



**King County**

**Solid Waste Division**

Department of Natural Resources and Parks

King Street Center

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Seattle, WA 98104-3855

**206-477-4466**

711 TTY Relay

[www.kingcounty.gov/solidwaste](http://www.kingcounty.gov/solidwaste)

May 28, 2021

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

VIA: Laura Belt, P.E., Interim Section Manager, Facility Engineering and Science Section,  
Solid Waste Division (SWD), Department of Natural Resources & Parks (DNRP)

FM: Subrina Tahsin, Engineer II, SWD, DNRP

RE: Cedar Hills Regional Landfill Environmental Monitoring Report for the First 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 January 1<sup>st</sup>, 2021 through March 31<sup>st</sup>, 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 First 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 Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD), Department of Natural Resources & Parks (DNRP)  
Laura Belt, P.E., Interim FESS Manager, SWD, DNRP

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May 28, 2021

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

RE: Cedar Hills Regional Landfill Environmental Quarterly Report for the First 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 January 1<sup>st</sup>, 2021 through March 31<sup>st</sup>, 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 206-263-6921.

Sincerely,

DocuSigned by:  
  
EF99840290E4443...

Subrina Tahsin  
Engineer II

Enclosures

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

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# CEDAR HILLS REGIONAL LANDFILL QUARTERLY ENVIRONMENTAL MONITORING REPORT

**FIRST Quarter 2021**



**King County**

Department of  
Natural Resources and Parks  
**Solid Waste Division**

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**May 2021**

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# CHECKLIST FOR GROUNDWATER REPORTING

## Municipal Solid Waste Landfills

### WAC 173-351-415

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

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

1 <sup>st</sup> <input checked="" type="checkbox"/> 2 <sup>nd</sup> <input type="checkbox"/> 3 <sup>rd</sup> <input type="checkbox"/> 4 <sup>th</sup> <input type="checkbox"/> YEAR <u>2021</u>	Reference (section, subsection)	Included in this report	Location – page # or appendix #
<b>Quarterly Groundwater Reports: 173-351-415 (2) plus the referenced section</b>			
Statistical calculations and summaries			
Descriptive statistics	420, (1)	<input type="checkbox"/>	
Statistical tests	420, (2)	<input checked="" type="checkbox"/>	3
Notification of statistical increase (if applicable)	420, (4)	<input checked="" type="checkbox"/>	3
Notification of concentrations above Chapter 173-200 WAC criteria (if any)	430, (4)	<input checked="" type="checkbox"/>	26, 36
Static water level readings	415, (2)	<input checked="" type="checkbox"/>	App B
Potentiometric surface elevation maps depicting flow direction	415, (2)	<input checked="" type="checkbox"/>	App A
Flow rate – calculated	415, (2)	<input checked="" type="checkbox"/>	App A
Cation-anion balances	430, (5a)	<input checked="" type="checkbox"/>	27-29, 41-43
Explanation of greater than 5% (or 10%) difference if needed	430, (5a)	<input type="checkbox"/>	
Trilinear diagrams	430, (5b)	<input checked="" type="checkbox"/>	31, 32, 38, 39
Leachate analyses (if sampled and tested)	415, (2)	<input checked="" type="checkbox"/>	App B
Data entered into EIM database (date entered: )	415, (3)	<input type="checkbox"/>	
Complete copy of the lab report with chain of custody record.		<input type="checkbox"/>	
<b>Annual Groundwater Reports: 173-351-415 (1) YEAR</b>			
Summary of statistical results and trends	415, (1)	<input type="checkbox"/>	
Summary of groundwater flow rate and direction for the year	415, (1)	<input type="checkbox"/>	
Copy of all potentiometric maps for the year	415, (1)	<input type="checkbox"/>	
Summary geochemical evaluation	415, (1)	<input type="checkbox"/>	
<b>For Quarterly and Annual Reports</b>			
Stamped by a licensed professional	RCW 18.220	<input checked="" type="checkbox"/>	v

DocuSigned by:  
  
 EF99840290E4443...  
 Signature of Report Author

May 28, 2021  
 Date

Cedar Hills Regional Landfill  
 Landfill

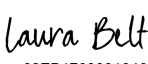
If you need this publication in an alternate format, please call the Waste 2 Resources Program at (360) 407-6900. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

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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.

<b>Name:</b> Laura Belt, P.E.	<b>Title:</b> Interim Section Manager, Facility Engineering and Science Section	<b>Date:</b>  May 28, 2021
<b>Mailing Address:</b> Solid Waste Division King County Department of Natural Resources & Parks 201 South Jackson Street, Suite 701 Seattle, WA 98104-3855		<b>Telephone Number:</b>  206-477-5215
<b>Signature:</b> <div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; padding-left: 10px; margin-right: 10px;"> <small>DocuSigned by:</small>    <small>62EB1763091846C...</small> </div> <div> 5/24/2021 </div> </div>		



EXPIRES	8/10/2021
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**KING COUNTY SOLID WASTE DIVISION**  
**CEDAR HILLS REGIONAL LANDFILL**  
**QUARTERLY ENVIRONMENTAL MONITORING REPORT**

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Appendix C	METEROLOGICAL DATA
Appendix D	AREA 5 TOP DECK MONITORING REPORT

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# **King County Cedar Hills Regional Landfill Summary of Quarterly Environmental Monitoring First 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 first quarter are listed in Table 2.

#### **1.1.1 Regional Aquifer**

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

Regional Aquifer analysis results for downgradient and crossgradient wells for this quarter are generally consistent with past results. Several upgradient wells continue to show elevated concentrations of several parameters; however, these parameters remain below regulatory standards and in general exhibit stability.

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

Groundwater samples were analyzed for both dissolved and total metal fractions. However, only total metals results (per WAC 173-351-430(2)(b)(ii)) were compared to primary groundwater and drinking water quality standards, as listed in WAC 173-351-990 Appendix I and Title 40 CFR Subpart G Part 141. Dissolved iron and manganese were compared to secondary groundwater quality standards, as listed in WAC 173-351-990 Appendix II. Implementation of the most recent SAP resulted in a reduction in the total number of wells that are monitored. The remaining wells to be monitored were designated either as quarterly (all quarters of the year), or as semi-annual (second and fourth quarters of the year). This quarter, wells designated for quarterly monitoring were sampled, and are listed in Table 1.

### Analytical Results

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

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

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

\*Also exceeded Primary Federal Ground Water Quality Criteria

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

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

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

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

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

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

\*Also exceeded Primary Federal Ground Water Quality Criteria.

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

## Trilinear Diagrams and Ion Balance

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

## Prediction Limits

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

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59* (cis-1,2-Dichloroethene), MW-66* (total copper), MW-83 (total barium), MW-84* (total barium, total zinc), MW-93*** (total Arsenic), MW-93* (total Vanadium*)	--

Monitoring wells MW-87 passed out of the re-testing protocol.

\* had 1-of-3 UPL exceedance and under retesting protocol.

\*\*\* had 3-of-3 prediction limit exceedance and notification sent to (PHSKC) and Ecology

## MW-84

3-of-3 Prediction limit exceedances for Barium were reported in 4<sup>th</sup> quarter 2019 for MW-84. Although these prediction limit exceedances were all below Primary and Secondary Federal Drinking Water Maximum Contaminant Levels (MCLs), the Solid Waste Division implemented a well redevelopment and assessment program for several groundwater wells in 4<sup>th</sup> quarter 2020 that included MW-84. The program was agreed to with Seattle/King County Department of Public Health (PHSKC) and Ecology.

## MW-93

MW-93 Prediction Limit ‘3-of-3’ Exceedance: Per the Public Health-Seattle & King County (PHSKC) approved CHRLF SAP, King County Solid Waste Division (SWD) reported a ‘3-of-3’ prediction limit exceedance (see Section 2.3) of total arsenic for monitoring well MW-93 at the CHRLF during the 2<sup>nd</sup> quarter of 2021. The third (and most recent) prediction limit exceedance occurred in the first quarter of 2021, with the previous two exceedances occurring in the previous two quarters (3<sup>rd</sup> and 4<sup>th</sup>) of 2020. The first quarter 2021 result was 0.00153 milligrams per liter (mg/L), while the 3<sup>rd</sup> and 4<sup>th</sup> quarter

results were both 0.00144 mg/L. The calculated prediction limit was 0.001430965 mg/L (based on data available through 2021) and 0.00141993 mg/L (based on data available through 2020).

SWD is already in the middle of a similar investigation related to a 3-of-3 prediction limit exceedance for monitoring well MW-67 from 4<sup>th</sup> quarter 2020. Therefore, as an alternative to entering assessment monitoring (per the SAP), KCSWD, after discussion with PHSKC and Ecology, agreed to implement the following items for MW-93.

- Investigate down-well conditions using borehole camera;
- Calculate regional background concentration for arsenic concentrations in the vicinity of CHRLF using groundwater (water system supplying drinking water) data and compare to MW-93 analytical results; and
- Evaluate and compare the effect of recent well redevelopment activities on similar monitoring wells as relates to laboratory analytical results and consider appropriateness of redevelopment at MW-93.

### **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-Dichloroethene was detected in quarterly monitored well MW-59;
- Trichloroethene (TCE) was detected in quarterly monitored wells MW-83, MW-94 and the newly installed wells MW-114 and 115.

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

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

### **1.1.2 Perched Zones**

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

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

Groundwater elevations measured during the quarter in the Perched Zones are within historical ranges. Samples were collected from three EPZ monitoring wells (MW-28, MW-29, MW-30A, MW-41D, MW-41S, MW-45, MW-47, MW-48, MW-50, MW-54, MW-55, MW-57, MW-62, MW-63, MW-64, MW-65, MW-91, MW-93, MW-94, MW-95, MW-98, MW-99, MW-100, MW-102, MW-103, MW-104, MW-105, MW-106, MW-107, MW-108, MW-109, MW-110, MW-111, MW-112, MW-EB5, MW-EB5S, MW-EB6). MW-101, which monitors the SSWA Perched Zone, was also sampled. Groundwater quality data from perched zones wells collected during the first 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  $\mu\text{mhos/cm}$  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 206.60  $\mu\text{mhos/cm}$ .

#### **Analytical Results**

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

#### **Trilinear Diagrams and Ion Balance**

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



Figure 7. Ion balance calculations (Table 8) indicate no analytical error ( $> 10\%$ ) in any perched wells.

### **Prediction Limits**

As with the regional aquifer monitoring wells, perched zone prediction limits are derived from cumulative data through the end of 2020. Calculated prediction limits for Appendix I parameters along with analytical results are presented in Table 9.

This quarter MW-47 and MW-101 showed prediction limit exceedances for total antimony. Monitoring wells MW-107 through MW-112 do not yet have enough background data from sampling events to calculate prediction limits for analytical parameters.

### **Volatile Detections**

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

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

## **1.2 Stormwater**

### **1.2.1 CHRLF ISGP**

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

ISGP required monitoring activities for the first quarter of 2021 are listed in Table 12. There were no effluent limit exceedances at any sampling locations during the first quarter of 2021 (see Table 14). ISGP Discharge Monitoring Reports (DMRs) are included in Appendix B.

### **1.2.2 CHRLF CSWGP**

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

The four locations monitored are listed as follows:

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

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

There were Turbidity exceedances at monitoring location CHL and C3 during the first quarter of 2021 (see Table 14). The SWPPP was reviewed following the turbidity exceedances; the SWPPP did not need to be updated. Maintenance was performed on the BMPs and turbidity measurements dropped to less than 25 NTUs. Copies of required stormwater reports submitted to Ecology are included in Appendix B.

### **1.3 Landfill Gas**

Compliance probes, interior probes, on-site buildings, and supplemental monitoring probe results and location maps are included in Appendix B.

#### **1.3.1 Compliance Probe Network**

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

No methane exceedances were observed at any compliance probe during the first 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 first 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 first 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 increase, operational adjustments to increase LFG recovery rates, off-site structure monitoring, and, preparation of a response plan. Operational review resulted in modifications to enhance extraction from unlined areas and under liner spaces that could potentially act as gas conveyance pathways. The plan resulted in installation of thirteen (13) borings targeting the potential zone of LFG migration in the native sediments. Eight (8) borings serve as LFG extraction wells and five (5) borings as monitoring probes. The extraction wells and migration probes are monitored twice a month.

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

### **2.0 Analytical Methods**

Groundwater quality is evaluated by comparison of analysis results to regulatory standards, geochemical analysis, and statistical evaluation. Water quality analytical results for stormwater runoff discharged from the landfill site are compared to the limits set in the ISGP

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

## **2.1 Regulatory Standards**

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

## **2.2 Trilinear Diagrams and Major Ion Balance**

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

## **2.3 Prediction Limits**

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

To evaluate the groundwater data for CHRLF, one-sided UPLs are calculated based on intra-well comparisons. Intra-well comparisons present a more conservative approach to determining if a statistically significant release has occurred and is recommended for evaluation of detection monitoring data. In the intra-well approach, a threshold background value is set by determining an UPL. Prediction limits set a comparison threshold for background data with compliance well data and are used to determine if a sample is statistically elevated above background conditions. UPLs for the subsequent year's detection monitoring are calculated at the end of each year and incorporate the previous year's analytical results. UPLs are based on a 0.05 significance level, as approved by Ecology to be protective of human health and the environment. A 0.05 significance level indicates that at most there is a five (5) percent chance that a Type I error (false positive) will occur in the results.

The method for calculating the UPLs depends on both the type of distribution and the number of non-detects present in the background data set. UPLs for background data sets with 100 percent non-detects (NDs) are equal to the highest laboratory 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

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

or

Transformed Distribution:

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

where:  $\bar{x}$  = mean of the baseline data

$\bar{y}$  = mean of the transformed data

$\kappa$  = multiplier for intra-well prediction limits

$s$  = standard deviation of baseline data

$s_y$  = standard deviation of transformed data

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

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

A 1-of-3 retesting plan is used for any exceedances of the intra-well UPLs at CHRLF. This retesting plan provides adequate statistical power and minimizes Type II (False Negative) errors, while providing retesting that accommodates lab turnaround time, data review, and scheduling. This test is performed on parameters in WAC 173-351-990 Appendix I and is used to detect a change in the population distribution of the individual well.

## **2.4 Laboratory Data Quality**

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

#### **2.4.1 Lower Limit of Quantification**

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

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

#### **2.4.2 Analytical Uncertainty and Data Review**

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

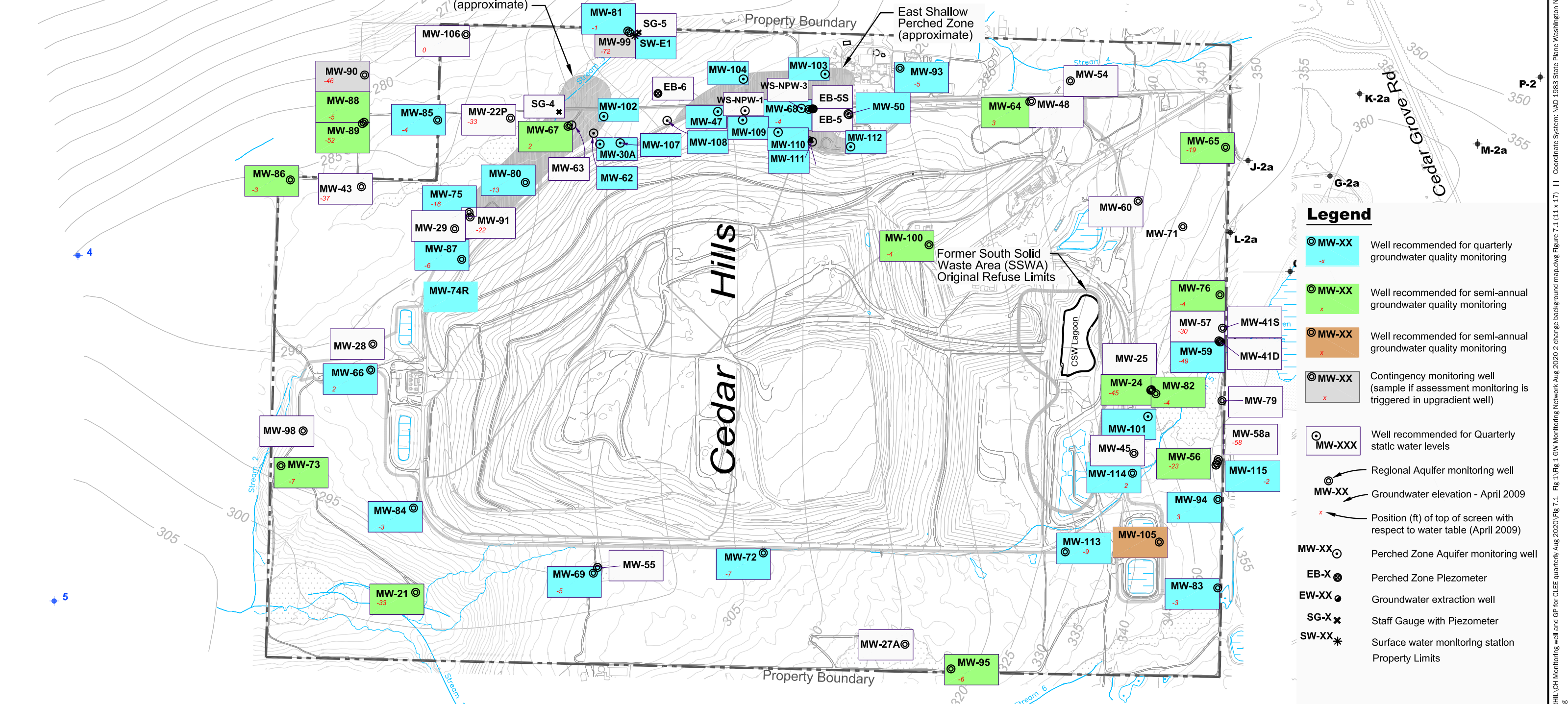
### **3. References**

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

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15-207 15-208 15-209

McDonald3 Issaquah1



**Legend**

MW-XX

Well recommended for quarterly groundwater quality monitoring

MW-XX

Well recommended for semi-annual groundwater quality monitoring

MW-XX

Well recommended for semi-annual groundwater quality monitoring

MW-XX

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

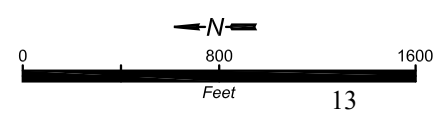
SG-X

Staff Gauge with Piezometer

SW-XX

Surface water monitoring station

Property Limits



**King County**

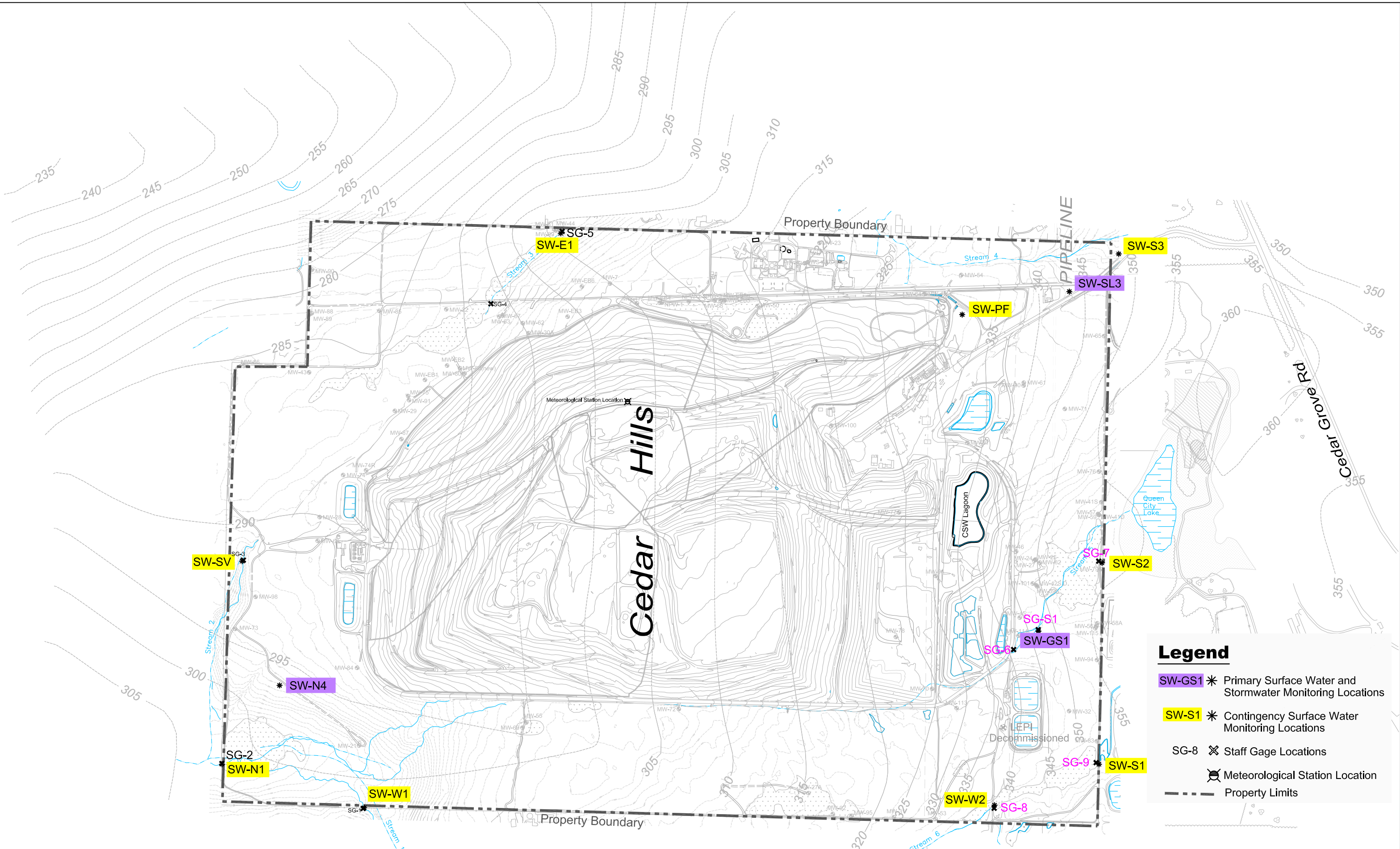
### Groundwater Monitoring Network

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

DATE:	AUG 2020	PROJECT NO.
DESIGNED BY:		
DRAWN BY:		FIGURE NO. <b>FIG. 1</b>
REVISED BY:		



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**Legend**

SW-GS1

\*

Primary Surface Water and Stormwater Monitoring Locations

SW-S1

\*

Contingency Surface Water Monitoring Locations

SG-8

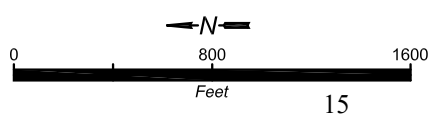
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Staff Gage Locations

Meteorological Station Location

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Property Limits



**King County**

**Surface Water and Storm Monitoring Network**

Environmental Monitoring Sampling and Analysis Plan

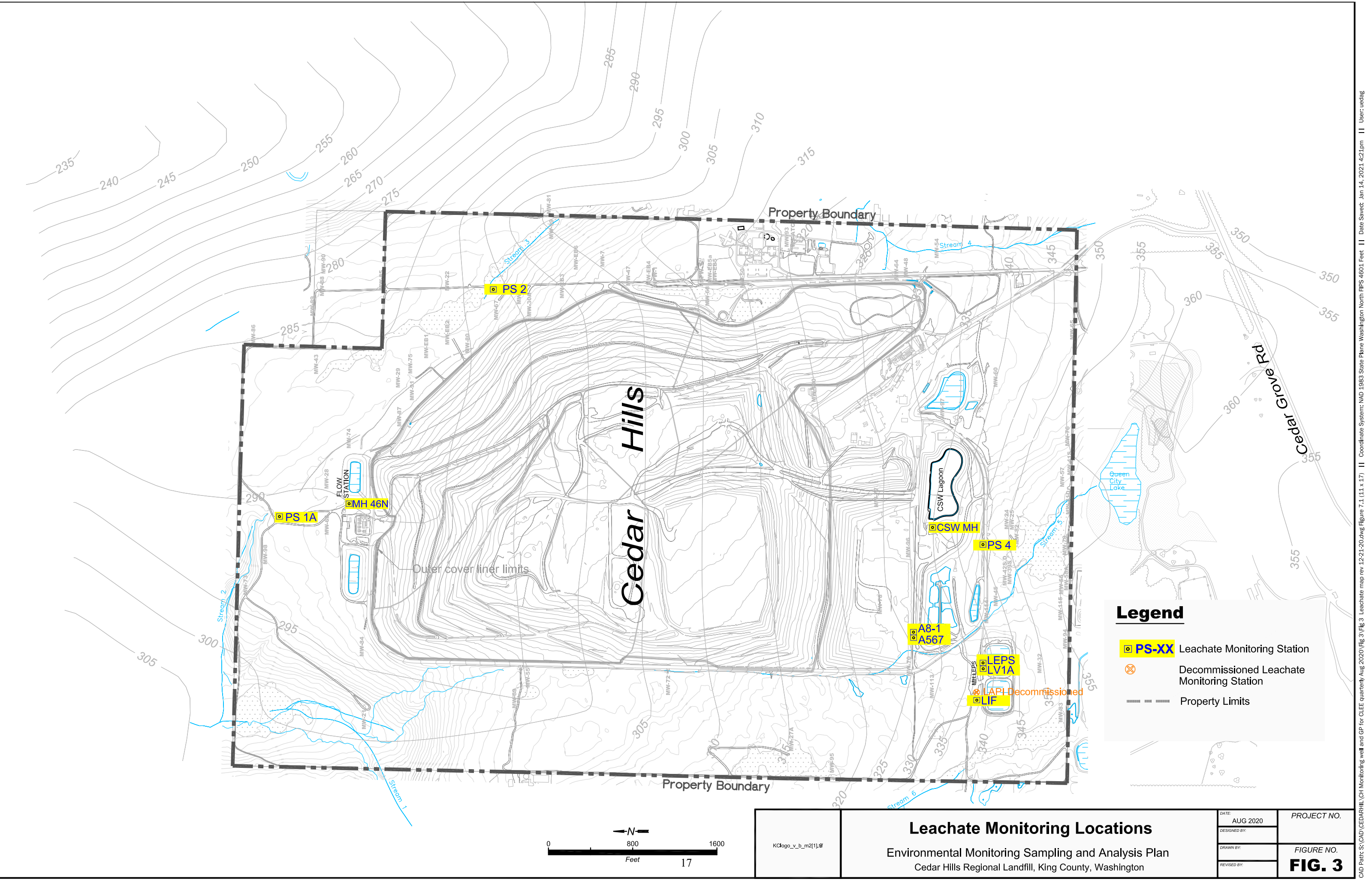
Cedar Hills Regional Landfill, King County, Washington

DATE:	AUG 2020	PROJECT NO.
DESIGNED BY:		
DRAWN BY:		FIGURE NO.
REVISED BY:		<b>FIG. 2</b>

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

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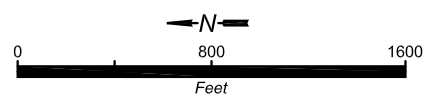
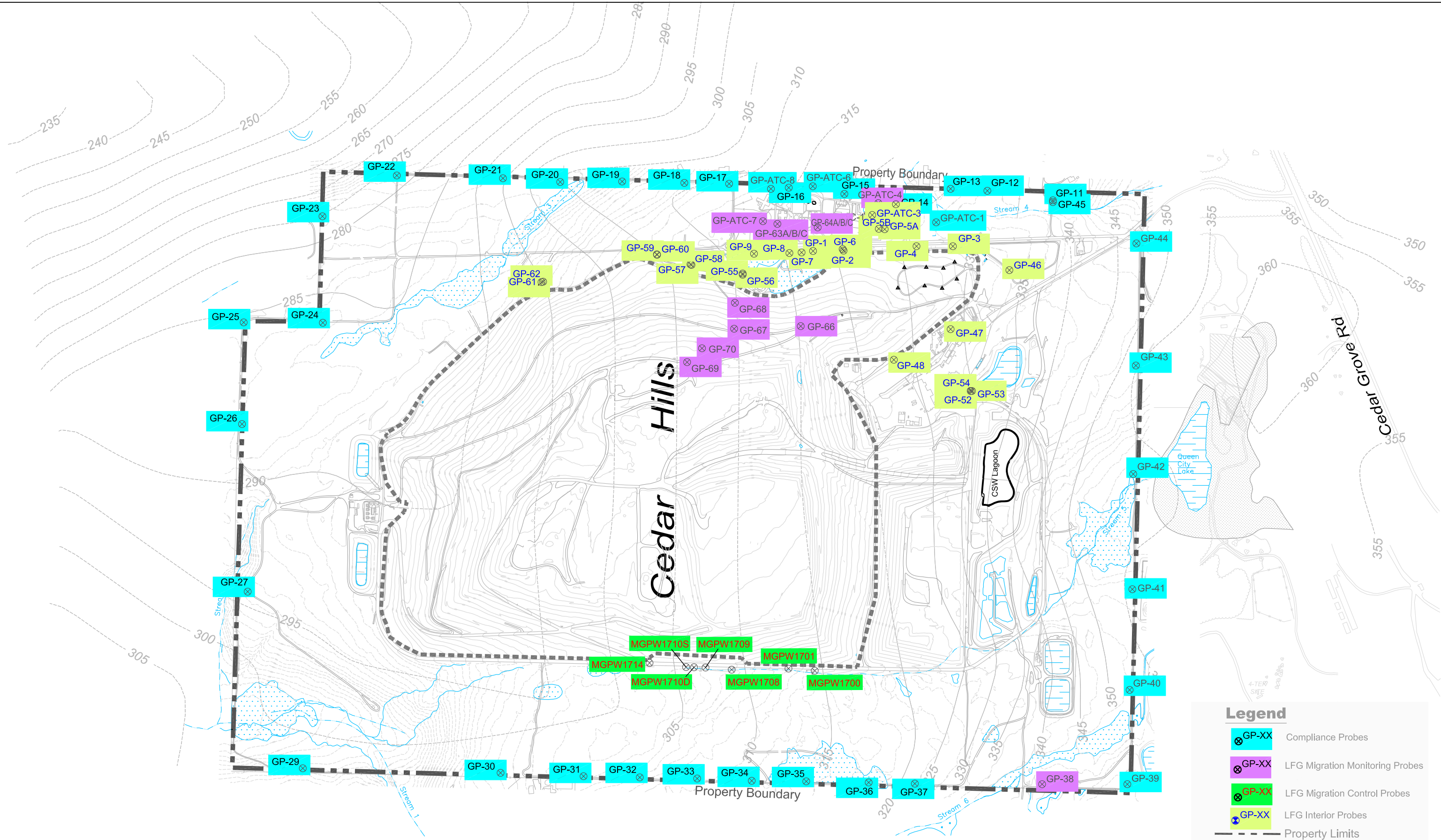




K:\Logo_v_b_m2\11.tif	<div>Leachate Monitoring Locations</div> <div>Environmental Monitoring Sampling and Analysis Plan</div> <div>Cedar Hills Regional Landfill, King County, Washington</div>	DATE:	PROJECT NO.
		AUG 2020	
		DESIGNED BY:	
		DRAWN BY:	
		REVISED BY:	
			FIGURE NO.
			<b>FIG. 3</b>

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 <b>King County</b>	<b>Landfill Gas Monitoring Network</b>		DATE: AUG 2020	PROJECT NO.
	Environmental Monitoring Sampling and Analysis Plan		DESIGNED BY:	FIGURE NO. <b>FIG. 4</b>
	Cedar Hills Regional Landfill, King County, Washington		DRAWN BY:	
			REVISED BY:	

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**Table 1**  
**CEDAR HILLS REGIONAL LANDFILL: GROUNDWATER MONITORING WELLS**

Well Name	General Condition				Recommendations				
	Well Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-21 (Upgradient)	6	163	5/17/83	Deep	Detection	Background	Quarterly	Semi-annual	Monitors background conditions of deep aquifer.
MW-22P (Downgradient)	2	284	5/25/83	Deep	Detection	WL only	Quarterly	None	Not effectively located for facilities or background monitoring.
MW-24 (Upgradient)	6	192	6/2/83	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in deep upgradient well. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW-43 (Downgradient)	5	325	30/4/85	Deep	Detection	WL only	Quarterly	None	
MW-54 (Upgradient)	2	351	9/26/86	Deep	Detection	WL only	Quarterly	None	Not effectively located for facilities monitoring as it lies up gradient of the CHRLF facilities. Upgradient water quality monitored in other wells.
MW-56 (Upgradient)	2	166	10/12/88	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in upgradient well. Low groundwater velocities indicate slow movement of QCF contaminants through this area.
MW-57 (Upgradient)	2	144	8/22/88	Deep	Detection	WL only	Quarterly	None	Monitoring redundant with MW-59. Strong downward vertical gradients indicate impacts at MW-57 would also be detected at MW-59.
MW-58A (Upgradient)	2	219	9/26/88	Deep	Detection	WL only	Quarterly	None	Monitoring redundant with MW-56. Strong downward vertical gradients indicate impacts at MW-58A would also be detected at MW-56.
MW-59 (Upgradient)	2	180.5	8/16/88	Deep	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in upgradient well.
MW-60 (Upgradient)	2.5	240	9/13/91	Water Table	Detection	WL only	Quarterly	None	Upgradient flow from QCF in shallow Regional Aquifer characterized by MW-65 and MW-76.
MW-64 (Upgradient)	2.5	274	3/22/93	Water Table	Detection		Quarterly	Semi-annual	Adjacent to SE Pit. Conversion from quarterly to semiannual sampling does not have
MW-65 (Upgradient)	2.5	234	3/29/93	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in upgradient well. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW-66 (Upgradient)	2.5	248	4/5/93	Water Table	Detection		Quarterly	Quarterly	Monitor north end leachate detention facilities.
MW-67 (Downgradient)	2.5	230	4/28/93	Water Table	Detection		Quarterly	Semi-annual	Monitors potential EPZ contaminants infiltrating into Regional Aquifer.
MW-68 (Cross-Gradient/Downgradient)	2.5	353	4/15/93	Water Table	Detection		Quarterly	Quarterly	Well is completed adjacent to unlined Main Hill where downward flow from Main Hill and impacted EPZ would be captured. Monitors Main Hill gas effected area.
MW-69 (Downgradient)	2.5	371	4/23/93	Water Table	Detection	WL only	Quarterly	Quarterly	West side flow converges in this area and well is upgradient of key downgradient wells.
MW-72 (Downgradient)	2.5	376	8/7/98	Water Table	Detection		Quarterly	Quarterly	Key water quality monitoring well for southwest landfill area.
MW-73 (Upgradient)	4	206	9/3/99	Water Table	Detection	Background	Quarterly	Semi-annual	Background water quality monitoring for northwest facility area. Downgradient flow paths from well largely by-pass facility so provides
MW-74R (Downgradient)	4	249	11/1/00	Water Table	Detection		Quarterly	Quarterly	Detection zone monitors north end facilities. Quarterly monitoring recommended due to
MW-75 (Downgradient)	4	269	9/24/99	Deep	Detection		Quarterly	Quarterly	Key downgradient monitoring well.
MW-76 (Upgradient)	4	148	10/25/99	Water Table	Detection	Background	Quarterly	Semi-annual	Monitor QCF impacts effecting upgradient water quality in shallow portion of Regional Aquifer.
MW-80 (Downgradient)	4	259	2/27/01	Water Table	Detection		Quarterly	Quarterly	Low groundwater velocities (0.014 ft/day) indicate slow movement of QCF. Key downgradient monitoring well for monitoring impacts from unlined Main Hill and EPZ.
MW-81 (Upgradient)	4	192	10/3/02	Water Table	Detection		Quarterly	Quarterly	Monitors GW quality from off-site area east of facility. Retain as monitoring point for potential LFG impacts to GW. Key well for defining
MW-82 (Upgradient)	4	133	11/2/00	Water Table	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in shallow Regional upgradient well. Low groundwater velocities indicate slow movement of QCF
MW-83 (Upgradient)	4	154	10/27/00	Water Table	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in shallow Regional upgradient well.
MW-84 (Upgradient)	4	246	10/20/00	Water Table	Detection	Background	Quarterly	Quarterly	Monitor background conditions in shallow regional aquifer
MW-85 (Downgradient)	4	257	12/1/00	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well with large detection zone underlying waste placement areas. Located in area of convergent GW flow and near center of high transmissivity channel.
MW-86 (Downgradient)	4	259	12/12/00	Water Table	Detection		Quarterly	Semi-annual	Provides monitoring of north end facilities. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.



**Table 1**  
**CEDAR HILLS REGIONAL LANDFILL: GROUNDWATER MONITORING WELLS**

Well Name	General Condition				Recommendations				
	Well Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-87 (Downgradient)	4	261	11/21/00	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well.
MW-88 (Downgradient)	4	239	9/13/01	Water Table	Detection		Quarterly	Semi-annual	Provides limited monitoring of north end facilities. Conversion from quarterly to semiannual sampling does not have significant effect on groundwater levels.
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-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	8/22/1990	Deep	Non-Potable	WL only	Quarterly	None	Well provides non potable water to the fire supression tank on-site
NPW3	6	376	6/5/1990	Deep	Non-Potable	WL only	Quarterly	None	Well provides non potable water to the fire supression tank on-site
<b>East Main Hill Perched Zones</b>									
EB-5	2	60	5/06/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
EB-5S	2	20	6/06/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
EB-6	2	30	11/28/90	EPZ	Assessment		Quarterly	Quarterly	Monitor water levels to evaluate affect of extraction system shut down. Well has limited water yield limiting ability to collect samples.
EW-25	6	36	6/10/92	EPZ	Assessment		Quarterly	Quarterly	Key EPZ compliance well. Temporary monitoring point sampled with passive diffusion sampler. Decommissioned 2nd quarter of 2018.
MW 25	3	43	3/6/83	EPZ	Assessment	WL only	Quarterly	None	
MW 27A	2	80	3/10/85	EPZ	Assessment	WL only	Quarterly	None	
MW 28	3	39	21/6/83	EPZ	Assessment	WL only	Quarterly	None	
MW 29	3	60	23/6/83	EPZ	Assessment	WL only	Quarterly	None	
MW-30A	3	35	6/09/89	EPZ	Assessment		Quarterly	Quarterly	Monitor attenuating VOCs.
MW-41S	3	51	12/7/83	EPZ	Assessment	WL only	Quarterly	None	
MW-41D	3	51	12/7/83	EPZ	Assessment	WL only	Quarterly		
MW 45	2	64	5/17/1985	EPZ	Assessment	WL only	Quarterly	None	
MW-47	2	44	5/31/85	EPZ	Assessment		Quarterly	Quarterly	Key EPZ compliance well.
MW 48	2	63	24/5/85	EPZ	Assessment	WL only	Quarterly	None	

**Table 1**  
**CEDAR HILLS REGIONAL LANDFILL: GROUNDWATER MONITORING WELLS**

Well Name	General Condition				Recommendations				
	Well Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-50	2	40	6/03/85	EPZ	Assessment		Quarterly	Quarterly	
MW-55	2	67	10/02/86	EPZ	Assessment	WL only	Quarterly	None	
MW-62	2	54	1/02/90	EPZ	Assessment		Quarterly	Quarterly	Monitor attenuating VOCs.
MW-63	2	17	12/02/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
MW-79	2	56	11/05/99	EPZ	Assessment	WL only	Quarterly		THIS WELL IS BROKEN; needs to be fixed. No statics are taken since it is still broken.
MW-98	2	23	3/09/01	EPZ	Assessment	WL only	Quarterly	None	
MW-102	2	50	1/27/09	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-103	2	35	1/28/09	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-104	2	32	1/29/09	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-107	2	39	6/07/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-108	2	17	6/08/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-109	2	13	6/09/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-110	2	19	6/11/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-111	2	14	6/11/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
MW-112	2	17	6/11/18	EPZ	Assessment		Quarterly	Quarterly	EPZ monitoring well.
<b>South Solid Waste Area Perched Zone</b>									
MW-101	2	54	6/2/06	SSWA	Assessment		Quarterly	Quarterly	Key SSWA perched zone compliance well
MW-105	2	30	1/30/09	EPZ	Assessment	Conductance only	Quarterly	Quarterly	Well located near leachate lagoons; FE measures conductance every quarter on this well as a check of the leachate lagoons

**Notes:**

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

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

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

**Abbreviations:**

WL = Water Level

NA = Not Applicable

DZ = Detection Zone EPZ = East Perched Zone

SSWA = South Solid Waste Area QCF = Queen City Farms

**TABLE 2**  
**CEDAR HILLS REGIONAL LANDFILL**  
**GROUNDWATER MONITORING ACTIVITIES 1st QUARTER 2021**

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
Static Water Levels	NA	1/4/21	Groundwater Elevation Measurement	--	North half of landfill.
Static Water Levels	NA	1/4/21	Groundwater Elevation Measurement	--	South half of landfill.
Static Water Levels	NA	1/4/21	Groundwater Elevation Measurement	--	East perched zone.
MW-21	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-22	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-24	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-25	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-27A	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-28	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-29	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-30A	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-30A	Perched	1/20/21	Groundwater Sampling Event	W30A210120-	
MW-41D	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-41S	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-43	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-45	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-47	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-47	Perched	1/20/21	Groundwater Sampling Event	W47-210120-	
MW-48	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-50	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-50	Perched	1/12/21	Groundwater Sampling Event	W50-210112-	
MW-54	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-55	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-56	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-57	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-58A	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-59	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-59	Regional	1/11/21	Groundwater Sampling Event	W59-210111-	
MW-60	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-62	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-62	Perched	1/25/21	Groundwater Sampling Event	W62-210125-	
MW-63	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-64	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-65	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-66	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-66	Regional	1/5/21	Groundwater Sampling Event	W66-210105-	
MW-66	Regional	1/5/21	QA/QC Sample	W66-210105F	Field Blank
MW-67	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-68	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-68	Regional	1/11/21	Groundwater Sampling Event	W68-210111-	
MW-69	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-72	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-72	Regional	1/5/21	Groundwater Sampling Event	W72210105-	
MW-73	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-74	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-74	Regional	1/6/21	Groundwater Sampling Event	W74R210106-	
MW-75	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-75	Regional	1/6/21	Groundwater Sampling Event	W75-210106-	
MW-76	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-79	Regional		Groundwater Elevation Measurement	NA	Needs to be fixed
MW-80	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-80	Regional	1/11/21	Groundwater Sampling Event	W80-210111-	
MW-81	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-81	Regional	1/5/21	Groundwater Sampling Event	W81-210105-	
MW-82	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-83	Regional	1/4/21	Groundwater Elevation Measurement	NA	

**TABLE 2**  
**CEDAR HILLS REGIONAL LANDFILL**  
**GROUNDWATER MONITORING ACTIVITIES 1st QUARTER 2021**

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
MW-83	Regional	1/7/21	Groundwater Sampling Event	W83-210107-	
MW-84	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-84	Regional	2/1/21	Groundwater Sampling Event	W84-210201-	
MW-85	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-85	Regional	1/6/21	Groundwater Sampling Event	W85-210106-	
MW-86	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-87	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-87	Regional	1/15/21	Groundwater Sampling Event	W87-210115-	
MW-88	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-89	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-90	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-91	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-93	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-93	Perched	1/6/21	Groundwater Sampling Event	W93-210106-	
MW-94	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-94	Perched	1/7/21	Groundwater Sampling Event	W94-210107-	
MW-95	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-98	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-99	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-100	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-101	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-101	Perched	1/25/21	Groundwater Sampling Event	W101210125-	
MW-102	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-102	Perched	1/21/21	Groundwater Sampling Event	W102210121-	
MW-102	Perched	1/21/21	QA/QC Sample	W102210121D	Field Duplicate
MW-103	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-103	Perched	1/12/21	Groundwater Sampling Event	W103210112-	
MW-104	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-105	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-106	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-107	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-107	Perched	1/21/21	Groundwater Sampling Event	W107210121-	
MW-108	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-108	Perched	1/21/21	Groundwater Sampling Event	W108210121-	
MW-109	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-109	Perched	1/20/21	Groundwater Sampling Event	W109210120-	
MW-110	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-110	Perched	1/20/21	Groundwater Sampling Event	W110210120	
MW-111	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-111	Perched	1/15/21	Groundwater Sampling Event	W111210115-	
MW-112	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-112	Perched	2/19/21	Groundwater Sampling Event	W112200219-	
MW-113	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-113	Regional	1/11/21	Groundwater Sampling Event	W113210111-	
MW-113	Regional	1/11/21	QA/QC Sample	W113210111D	Field Duplicate
MW-114	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-114	Regional	1/11/21	Groundwater Sampling Event	W114210111-	
MW-115	Regional	1/4/21	Groundwater Elevation Measurement	NA	
MW-115	Regional	1/11/21	Groundwater Sampling Event	W115210111-	
MW-EB5	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-EB5S	Perched	1/4/21	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	1/4/21	Groundwater Elevation Measurement	NA	
WS-NPW-1		1/4/21	Groundwater Elevation Measurement	NA	
WS-NPW-3		1/4/21	Groundwater Elevation Measurement	NA	

**TABLE 3**  
**CEDAR HILLS REGIONAL LANDFILL**  
**REGIONAL AQUIFER GROUNDWATER QUALITY STANDARD EXCEEDANCES**  
(Data collected from Jan 1, 2021 to Mar 31, 2021)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
<b>Upgradient and Crossgradient Wells</b>					
pH (Field)	pH Units	MW-94	1/7/2021	W94-210107-	6.3
		MW-115	1/11/2021	W115210111-	6.41
Arsenic, Total	mg/L	MW-113	1/11/2021	W113210111-	0.000554
		MW-114	1/11/2021	W114210111-	0.000328
		MW-115	1/11/2021	W115210111-	0.0002
		MW-59	1/11/2021	W59-210111-	0.000432
		MW-66	1/5/2021	W66-210105-	0.000715
		MW-68	1/11/2021	W68-210111-	0.0359
		MW-81	1/5/2021	W81-210105-	0.000552
		MW-83	1/7/2021	W83-210107-	0.000391
		MW-84	2/1/2021	W84-210201-	0.000341
		MW-93	1/6/2021	W93-210106-	0.00153
		MW-94	1/7/2021	W94-210107-	0.000131
Iron, Dissolved	mg/L	MW-113	1/11/2021	W113210111-	1.27
		MW-59	1/11/2021	W59-210111-	4.67
		MW-68	1/11/2021	W68-210111-	0.51
Manganese, Dissolved	mg/L	MW-113	1/11/2021	W113210111-	0.454
		MW-59	1/11/2021	W59-210111-	0.128
		MW-68	1/11/2021	W68-210111-	0.293
		MW-93	1/6/2021	W93-210106-	0.15
Trichloroethene	ug/L	MW-114	1/11/2021	W114210111-	9.77
		MW-115	1/11/2021	W115210111-	5.18
<b>Downgradient Wells</b>					
Arsenic, Total	mg/L	MW-72	1/5/2021	W72-210105-	0.000129
		MW-74R	1/6/2021	W74R210106-	0.00108
		MW-75	1/6/2021	W75-210106-	0.000447
		MW-80	1/11/2021	W80-210111-	0.00284
		MW-85	1/6/2021	W85-210106-	0.000737
		MW-87	1/15/2021	W87-210115-	0.000938
Iron, Dissolved	mg/L	MW-72	1/5/2021	W72-210105-	2.74
		MW-75	1/6/2021	W75-210106-	2.56
		MW-80	1/11/2021	W80-210111-	2.03
		MW-87	1/15/2021	W87-210115-	4.74
Manganese, Dissolved	mg/L	MW-72	1/5/2021	W72-210105-	0.373
		MW-75	1/6/2021	W75-210106-	0.23
		MW-80	1/11/2021	W80-210111-	0.35
		MW-87	1/15/2021	W87-210115-	0.561

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**  
**Quarterly Regional Aquifer Groundwater Monitoring**

Data Collected from January 1, 2021 to March 31, 2021

Site ID Date			Quarterly Upgradient and Crossgradient Wells																	
			MW-59 1/11/21			MW-66 1/5/21			MW-81 1/5/21			MW-83 1/7/21			MW-84 2/1/21			MW-93 1/6/21		
Cations	Molecular Weight	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.6			6.7			6.8			6.6			6.8			7.0		
Conductance			210.7			183.8			147.9			601.0			191.8			302.8		
TDSobs			133.0			131.0			109.0			405.0			141.0			209.0		
Calcium	40.1	2	18.0	0.90	38.7	15.9	0.79	36.5	14.3	0.71	42.3	70.7	3.53	52.5	17.0	0.85	37.9	31.9	1.59	45.8
Magnesium	24.3	2	11.4	0.94	40.5	12.6	1.03682	47.7	8.0	0.66	39.0	29.7	2.44	36.3	12.6	1.03682	46.3	17.2	1.42	40.7
Potassium	39.1	1	1.2	0.030	1.3	1.1	0.03	1.3	0.87	0.022	1.3	3.9	0.10	1.5	1.2	0.03	1.4	1.6	0.04	1.1
Sodium	23.0	1	6.5	0.28	12.1	7.2	0.31	14.5	6.7	0.29	17.4	15.0	0.65	9.7	7.4	0.32	14.4	9.6	0.42	12.0
Iron	55.8	2	4.67	0.17	7.2	0.010	0.00036	0.016	0.01	0.00036	0.02	0.01	0.00036	0.0053	0.010	0.00036	0.016	0.010	0.00036	0.010
Manganese	54.9	2	0.13	0.00466	0.20	0.0001	3.6E-06	0.0002	0.0001	3.6E-06	0.0002	0.006	0.0002	0.0030	0.003	9.1E-05	0.004	0.1500	0.00546	0.1572
Ammonia-N	14.0	1	0.006	0.00041	0.02	0.0020	0.00014	0.007	0.0020	0.00014	0.008	0.003	0.00018	0.0027	0.002	0.00014	0.006	0.049	0.00352	0.101
Total Cations (meq/L)			2.32			2.2			1.7			6.7			2.2			3.5		
Anions																				
Alkalinity, Total			74.6			80.6			55.0			216.0			83.6			118.0		
Carbonate	60.0	2	0.020	0.00065	0.0	0.023	0.00076	0.0	0.019	0.00063	0.0	0.046	0.00154	0.0	0.032	0.00106	0.0	0.078	0.00259	0.079
Bicarbonate	61.0	1	90.97	1.49	69.0	98.29	1.61	79.0	67.06	1.10	70.4	263.43	4.32	66.3	101.93	1.67	77.1	143.80	2.36	71.4
Chloride	35.5	1	12.3	0.35	16.0	4.2	0.12	5.8	5.1	0.14	9.3	63.9	1.80	27.7	5.1	0.14	6.6	2.8	0.08	2.4
Nitrate-N	14.0	1	0.010	0.00071	0.03	0.35	0.025	1.2	1.29	0.09	5.9	2.03	0.14	2.2	0.19	0.01	0.6	0.0	0.00	0.0
Sulfate	96.1	2	15.5	0.32	14.9	13.6	0.28	13.9	10.8	0.22	14.4	12.0	0.25	3.8	16.3	0.34	15.7	41.4	0.86	26.1
Total Anions (meq/L)			2.16			2.0			1.6			6.5			2.2			3.3		
Total Ions (meq/L)			4.5			4.2			3.2			13.2			4.4			6.8		
Cation/Anion Ratio			1.07			1.07			1.08			1.03			1.03			1.05		
Percent Difference			3.5			3.2			3.9			1.6			1.6			2.6		
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)			2.15			2.17			1.69			6.72			2.24			3.47		
Calcium						41.84			36.52			42.30						45.94		
Magnesium						43.70			47.72			39.03			36.34			40.85		
Sodium + Potassium						14.45			15.76			18.67			11.20			15.82		
sum (SO <sub>4</sub> , Cl, HCO <sub>3</sub> +CO <sub>3</sub> )			2.16			2.01			1.47			6.37			2.15			3.30		
Sulfate						14.93			14.07			15.30			3.92			15.75		
Chloride						16.05			5.87			9.85			28.29			6.66		
Bicarbonate + Carbonate						69.02			80.06			74.85			67.79			77.59		

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

Data Collected from January 1, 2021 to March 31, 2021

Site ID Date		Quarterly Upgradient and Crossgradient Wells																		
		MW-94 1/7/21			MW-113 1/11/21			MW-114 1/11/21			MW-115 1/11/21			MW-68 1/11/21			MW-72 1/5/2021			
		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)	
Cations	Molecular Weight	n																		
pH			6.3			7.3			6.6			6.4			6.8			6.9		
Conductance			327.4			365.2			259.7			255.0			244.1			324.5		
TDSobs			213.0			227.0			176.0			169.0			185.0			214.0		
Calcium	40.1	2	35.7	1.78	49.8	38.7	1.93	46.7	27.3	1.36	47.8	27.8	1.39	50.2	26.5	1.32	44.2	33.2	1.66	42.7
Magnesium	24.3	2	16.4	1.35	37.7	20.4	1.68	40.6	13.8	1.14	39.9	12.3	1.01	36.6	14.7	1.21	40.5	20.4	1.68	43.3
Potassium	39.1	1	2.6	0.07	1.8	2.2	0.06	1.4	2.3	0.06	2.1	1.9	0.05	1.8	1.7	0.04	1.5	2.1	0.05	1.4
Sodium	23.0	1	8.8	0.38	10.7	9.4	0.41	9.9	6.7	0.29	10.2	7.2	0.31	11.3	8.8	0.38	12.8	8.680	0.37756	9.736
Iron	55.8	2	0.029	0.00105	0.029	1.270	0.0454814	1.099	0.010	0.0003581	0.013	0.010	0.0003581	0.013	0.51	0.018	0.61	2.7400	0.09813	2.5303
Manganese	54.9	2	0.0029	0.00011	0.0030	0.4540	0.0165277	0.3994	0.0013	4.587E-05	0.0016	0.0122	0.0004441	0.0161	0.29	0.011	0.36	0.373	0.01358	0.350
Ammonia-N	14.0	1	0.002	0.00014	0.004	0.012	0.0008781	0.021	0.002	0.0001428	0.005	0.002	0.0001428	0.005	0.02	0.001	0.039			
Total Cations (meq/L)			3.6			4.1			2.8			2.8			3.0			3.9		
Anions																				
Alkalinity, Total			126.0			142.0			100.0			93.9			124.0			124.000		
Carbonate	60.0	2	0.015	0.0005	0.015	0.155	0.0051709	0.130	0.026	0.0008747	0.031	0.015	0.0004837	0.018	0.046	0.00153	0.05	0.06	0.00	0.1
Bicarbonate	61.0	1	153.69	2.52	74.3	172.92	2.83	71.5	121.95	2.00	71.9	114.53	1.88	69.5	151.19	2.48	85.9	151.2	2.48	72.3
Chloride	35.5	1	25.2	0.71	21.0	32.1	0.91	22.8	18.0	0.51	18.3	18.4	0.52	19.2	3.1	0.086	3.0	7.2	0.20	5.9
Nitrate-N	14.0	1	0.19	0.01	0.4	0.0	0.00	0.0	1.8	0.13	4.6	1.6	0.12	4.3	0.010	0.00071	0.025	0.0	0.00	0.0
Sulfate	96.1	2	7.1	0.15	4.4	10.6	0.22	5.6	6.9	0.14	5.2	9.0	0.19	7.0	15.3	0.32	11.0			
Total Anions (meq/L)			3.4			4.0			2.8			2.7			2.9			3.4		
Total Ions (meq/L)			7.0			8.1			5.6			5.5			5.9			7.305		
Cation/Anion Ratio			1.06			1.04			1.02			1.02			1.04			1.132		
Percent Difference			2.7			2.1			1.2			1.1			1.8			6.171		
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)			3.58			4.08			2.85			2.76			2.96			3.77		
Calcium																				
Magnesium																				
Sodium + Potassium																				
sum (SO <sub>4</sub> , Cl, HCO <sub>3</sub> +CO <sub>3</sub> )			3.38			3.97			2.65			2.58			2.88			3.43		
Sulfate																				
Chloride																				
Bicarbonate + Carbonate																				

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

Data Collected from January 1, 2021 to March 31, 2021

Site ID Date			Quarterly Downgradient to Waste Cells and North End Facilities														
			MW-74R 1/6/21			MW-75 1/6/21			MW-80 1/11/21			MW-85 1/6/21			MW-87 1/15/21		
Cations	Molecular Weight	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.8			7.0			7.1			6.8			6.7		
Conductance			446.1			340.7			271.6			355.7			505.0		
TDSoBs			301.0			248.0			191.0			275.0			370.0		
Calcium	40.1	2	43.6	2.18	39.3	32.4	1.62	38.8	30.6	1.53	46.0	36.6	1.83	43.1	47.7	2.38	41.2
Magnesium	24.3	2	33.8	2.78	50.2	24.2	1.99	47.7	15.9	1.31	39.4	23.3	1.92	45.2	32.3	2.66	46.0
Potassium	39.1	1	2.1	0.05	1.0	2.0	0.05	1.3	1.7	0.044	1.3	1.8	0.046	1.1	2.5	0.06	1.1
Sodium	23.0	1	12.2	0.53	9.6	9.4	0.41	9.8	8.1	0.35	10.6	10.3	0.448	10.6	11.0	0.48	8.3
Iron	55.8	2	0.010	0.00036	0.006	2.56	0.09	2.20	2.03	0.073	2.2	0.010	0.00036	0.0085	4.740	0.16975	2.940
Manganese	54.9	2	0.0001	3.6E-06	0.00007	0.23	0.00837	0.20	0.35	0.013	0.38	0.0001	4.2E-06	0.00010	0.5610	0.02042	0.3538
Ammonia-N	14.0	1	0.002	0.00014	0.003	0.008	0.00058	0.014	0.01	0.00065	0.020	0.002	0.00014	0.0034	0.034	0.00239	0.041
<b>Total Cations (meq/L)</b>				<b>5.5</b>			<b>4.2</b>			<b>3.3</b>			<b>4.2</b>			<b>5.8</b>	
<b>Anions</b>																	
Alkalinity, Total			198.0			109.0			123.0			144.0			118.0		
Carbonate	60.0	2	0.08	0.00268	0.05	0.06	0.00199	0.05	0.085	0.00283	0.09	0.04981	0.00166	0.04	0.032	0.00106	0.019
Bicarbonate	61.0	1	241.40	3.96	75.1	132.86	2.18	57.2	149.9	2.46	77.1	175.58	2.88	74.3	143.90	2.36	42.7
Chloride	35.5	1	21.7	0.61	11.6	11.5	0.32	8.5	4.4	0.13	3.9	10.5	0.30	7.6	15.6	0.44	8.0
Nitrate-N	14.0	1	0.32	0.02306	0.44	0.010	0.00071	0.019	0.01	0.00071	0.02	0.09	0.00655	0.2	0.0	0.00	0.0
Sulfate	96.1	2	32.4	0.67	12.8	62.4	1.30	34.2	28.9	0.60	18.9	33.3	0.69	17.9	131.0	2.73	49.3
<b>Total Anions (meq/L)</b>				<b>5.3</b>			<b>3.8</b>			<b>3.2</b>			<b>3.9</b>			<b>5.5</b>	
<b>Total Ions (meq/L)</b>				<b>10.8</b>			<b>8.0</b>			<b>6.5</b>			<b>8.1</b>			<b>11.3</b>	
<b>Cation/Anion Ratio</b>				<b>1.05</b>			<b>1.10</b>			<b>1.04</b>			<b>1.09</b>			<b>1.04</b>	
<b>Percent Difference</b>				<b>2.5</b>			<b>4.6</b>			<b>2.0</b>			<b>4.5</b>			<b>2.2</b>	
<b>Trilinear Diagram Data</b>																	
sum (Ca, Mg, Na+K)			5.54			4.07			3.23			4.24			5.58		
Calcium				39.25			39.72			47.24			43.10			42.65	
Magnesium				50.18			48.92			40.48			45.25			47.63	
Sodium + Potassium				10.56			11.37			12.29			11.65			9.72	
sum (SO <sub>4</sub> , Cl, HCO <sub>3</sub> +CO <sub>3</sub> )			5.25			3.80			3.19			3.87			5.53		
Sulfate				12.86			34.16			18.88			17.92			49.35	
Chloride				11.67			8.53			3.93			7.65			7.96	
Bicarbonate + Carbonate				75.47			57.31			77.19			74.43			42.69	



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Figure 5. Trilinear Diagram Up & Crossgradient Regional Wells  
Cedar Hills Regional Landfill  
First Quarter 2021

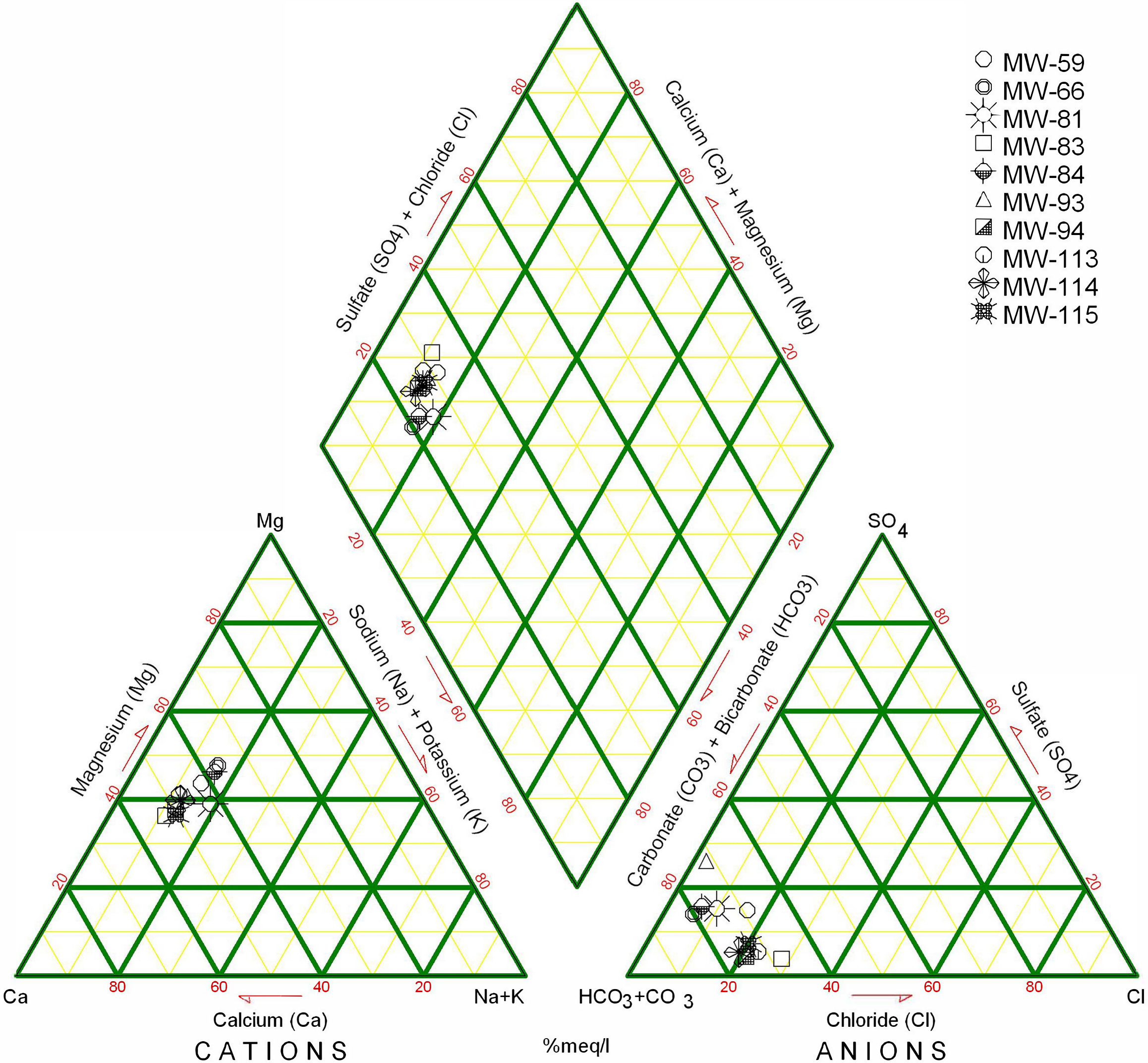
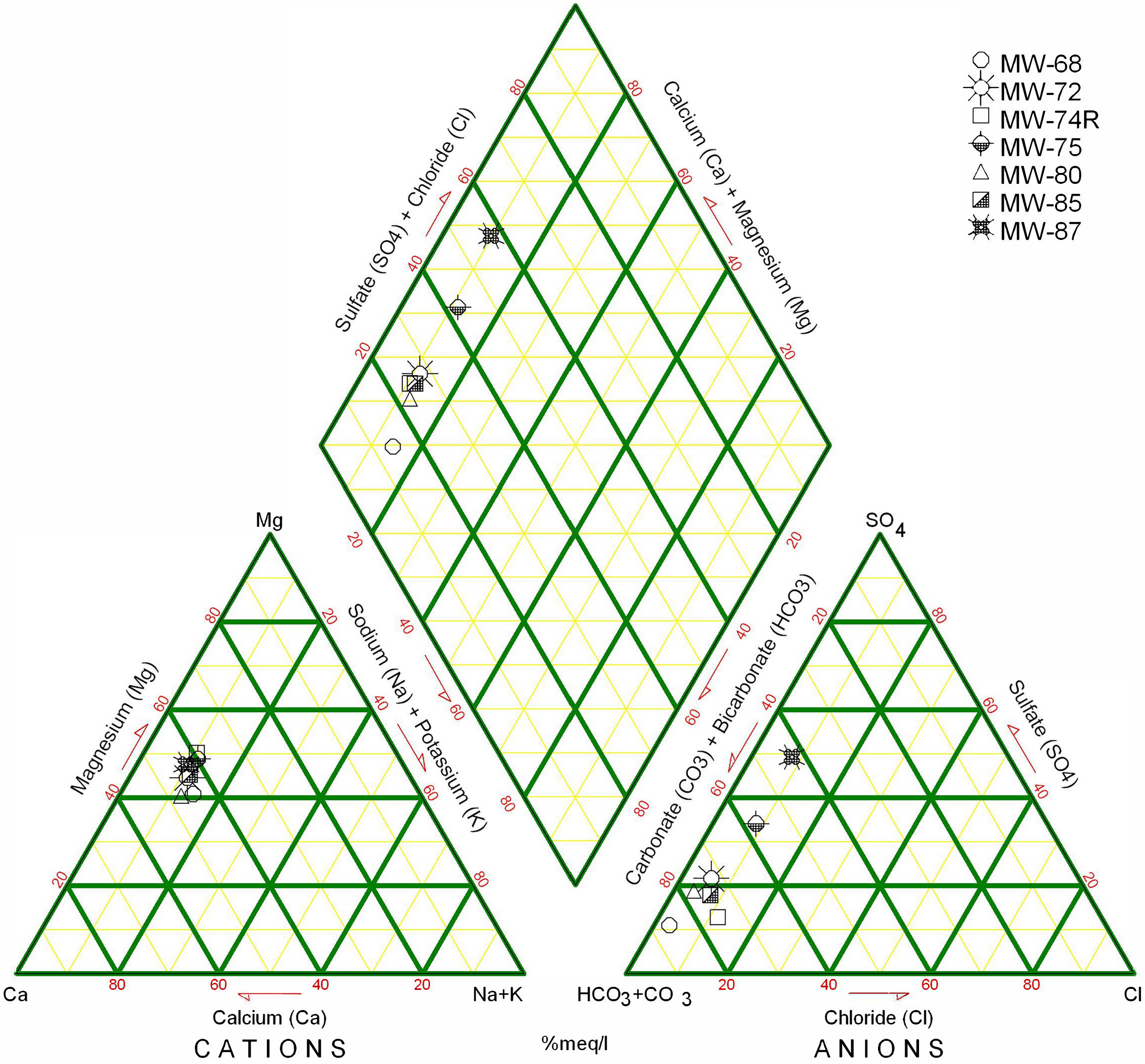




Figure 6. Trilinear Diagram Downgradient Regional Wells  
Cedar Hills Regional Landfill  
First Quarter 2021



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TABLE 5  
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY MONITORING WELLS

(Data Collected from january 1, 2021 to March 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
Well	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L
Upgradient and Crossgradient Wells																					
MW-59	Limit	0.001	0.001	0.0055	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.00748	0.29	1.37	0.2	0.45	0.02
	Result	< 0.0003	0.000432	0.00419	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	< 0.0001	< 0.00005	< 0.00004	< 0.0001	0.000075	0.000752	< 0.01	1.43	< 0.1	< 0.1	< 0.1
MW-66	Limit	0.001	0.001	0.0065	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.004	0.861	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000715	0.00402	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.00466	< 0.0001	0.000321	0.000974	< 0.00005	< 0.0001	0.000808	0.00129	0.352	0.1 U	< 0.1	< 0.1	< 0.1
MW-81	Limit	0.001	0.001	0.0049	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.00253	0.00895	1.731459782	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000552	0.00336	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000122	0.000871	< 0.00006	< 0.0001	0.00177	< 0.0005	1.29	0.1 U	< 0.1	< 0.1	< 0.1
MW-83	Limit	0.001	0.001	0.0115	0.001	0.002	0.005	0.003	0.00601	0.001	0.01	0.001	0.003	0.001	0.002	0.004	4.68	0.2	0.2	2.87	0.02
	Result	< 0.0003	0.000391	0.0116	< 0.0001	< 0.00005	0.00048	0.000302	0.00401	< 0.0001	0.00258	< 0.00005	< 0.00007	< 0.0001	0.000995	0.00108	2.03	0.1 U	< 0.1	2.24	< 0.1
MW-84	Limit	0.001	0.001	0.0044	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.680	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000341	0.00564	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000435	< 0.0001	0.000582	0.000729	< 0.00008	< 0.0001	0.000648	0.0196	0.187	0.1 U	< 0.1	< 0.1	0.01 DU
MW-93	Limit	0.001	0.001430965	0.0095	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00231	0.0112	0.18	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00153	0.00851	< 0.0001	9.82E-05	0.000352	0.000141	0.00053	< 0.0001	0.00033	< 0.0005	< 0.00004	< 0.0001	0.00247	0.00595	0.014 T	< 0.1	< 0.1	< 0.1	< 0.01
MW-94	Limit	0.001	0.001	0.0054	0.001	0.002	0.005	0.003	0.0051	0.001	0.01	0.001	0.003	0.001	0.002	0.004	2.72	0.2	0.2	3.81	0.02
	Result	< 0.0003	0.000131	0.00248	< 0.0001	< 0.00005	< 0.0002	0.000148	0.00119	< 0.0001	0.000651	< 0.00005	< 0.00009	< 0.0001	0.00122	< 0.0005	0.189	0.1 U	< 0.1	2.7	< 0.1
Downgradient Wells																					
MW-68	Limit	0.001	0.326	0.0197	0.001	0.002	0.005	0.0015	0.0116	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	0.0359	0.0105	< 0.0001	< 0.0005	< 0.0002	0.000212	0.000902	< 0.0001	0.00044	< 0.0005	< 0.0004	< 0.0001	0.000698	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-69*	Limit	0.001	0.004	0.0142	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.0112	0.076	0.2	0.2	0.2	0.02
	Result	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW-72	Limit	0.001	0.001	0.0162	0.001	0.002	0.005	0.003	0.00331	0.00104	0.01	0.001	0.003	0.001	0.002	0.02583	0.068	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000129	0.0151	< 0.0001	< 0.0005	< 0.0002	< 0.0005	< 0.0002	< 0.0001	0.000171	< 0.0005	< 0.0004	< 0.0001	0.0001	0.000926	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-74R	Limit	0.001	0.001	0.0160	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	0.00108	0.012	< 0.0001	< 0.0005	0.000225	< 0.0005	0.000354	< 0.0001	0.00093	0.000619	< 0.0004	< 0.0001	0.00105	0.000609	0.323	< 0.1	< 0.1	< 0.1	< 0.01
MW-75	Limit	0.001	0.001	0.0139	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	0.000447	0.0132	< 0.0001	< 0.0005	< 0.0002	< 0.0005	< 0.0002	< 0.0001	< 0.0001	< 0.0005	< 0.0004	< 0.0001	0.000126	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-80	Limit	0.001	0.039	0.0230	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.0117	0.028	0.2	1	0.2	0.02
	Result	< 0.0003	0.00284	0.0135	< 0.0001	< 0.0005	< 0.0002	< 0.0005	0.000422	< 0.0001	0.00011	< 0.0005	< 0.0004	< 0.0001	< 0.0007	0.00217	< 0.01	< 0.1	< 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	0.00136	0.003	0.001	0.002	0.004	1.630	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000737	0.00731	< 0.0001	< 0.0005	< 0.0002	< 0.0005	< 0.0002	< 0.0001	0.000219	0.000893	< 0.0004	< 0.0001	0.00107	0.000549	0.0918	< 0.1	< 0.1	< 0.1	< 0.01
MW-87	Limit	0.001	0.026	0.0383	0.001	0.002	0.005	0.003	0.00347	0.001	0.01	0.001	0.003	0.001	0.005	0.00892	0.0803	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000938	0.0284	< 0.0001	< 0.0005	< 0.0002	0.000176	0.0006	< 0.0001	0.000363	< 0.0005	< 0.0004	< 0.0001	0.000177	0.00184	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01

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

**TABLE 6**  
**CEDAR HILLS REGIONAL LANDFILL**  
**REGIONAL AQUIFER VOLATILE ORGANIC COMPOUND DETECTIONS**  
(Data Collected from January 1, 2021 through March 31, 2021)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
<b>Upgradient and Crossgradient Wells</b>				
Cis- 1,2-Dichloroethene	MW-59	1/11/2021	W59-210111-	1.43
Trichloroethene	MW-83	1/7/2021	W83-210107-	2.24
	MW-94	1/7/2021	W94-210107-	2.7
	MW-115	1/11/2021	W115210111-	5.18
	MW-114	1/11/2021	W114210111-	9.77
<b>Downgradient Wells</b>				
No VOA detections in Downgradient Wells				

**TABLE 7**  
**CEDAR HILLS REGIONAL LANDFILL**  
**PERCHED ZONES GROUNDWATER QUALITY STANDARD EXCEEDANCES**  
(Data Collected from Jan 1, 2021 through Mar 31, 2021)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
<b>East Perched Zone Wells</b>					
pH (Field)	pH Units	MW-102	1/21/2021	W102210121-	6.48
		MW-107	1/21/2021	W107210121-	5.51
		MW-30A	1/20/2021	W30A210120-	6.24
		MW-62	1/25/2021	W62-210125-	6.07
1,1-Dichloroethane	µg/L	MW-30A	1/20/2021	W30A210120-	1.41
Arsenic, Total	mg/L	MW-102	1/21/2021	W102210121-	0.000233
		MW-103	1/12/2021	W103210112-	0.00679
		MW-107	1/21/2021	W107210121-	0.00591
		MW-108	1/21/2021	W108210121-	0.0015
		MW-109	1/20/2021	W109210120-	0.0318
		MW-110	1/20/2021	W110210120-	0.00288
		MW-111	1/15/2021	W111210115-	0.000575
		MW-30A	1/20/2021	W30A210120-	0.000506
		MW-47	1/20/2021	W47-210120-	0.00264
		MW-50	1/12/2021	W50-210112-	0.00464
		MW-62	1/25/2021	W62-210125-	0.000197
Benzene	ug/L	MW-109	1/20/2021	W109210120-	1.69 JT
Iron, Dissolved	mg/L	MW-107	1/21/2021	W107210121-	3.43
		MW-109	1/20/2021	W109210120-	10.4
		MW-47	1/20/2021	W47-210120-	3.03
Manganese, Dissolved	mg/L	MW-107	1/21/2021	W107210121-	2.19
		MW-109	1/20/2021	W109210120-	2.01
		MW-110	1/20/2021	W110210120-	0.952
		MW-47	1/20/2021	W47-210120-	2
Vinyl Chloride	µg/L	MW-107	1/21/2021	W107210121-	0.675 D
		MW-109	1/20/2021	W109210120-	0.321 D
		MW-110	1/20/2021	W110210120-	0.0316 D
		MW-47	1/20/2021	W47-210120-	4.86 D
<b>South Solid Waste Area Perched Wells</b>					
Arsenic, Total	mg/L	MW-101	1/25/2021	W101210125-	0.0113
Iron, Dissolved	mg/L	MW-101	1/25/2021	W101210125-	0.634
Manganese, Dissolved	mg/L	MW-101	1/25/2021	W101210125-	1.19
Vinyl Chloride	µg/L	MW-101	1/25/2021	W101210125-	0.334 D

See Data Qualifier List for Qualifier Information.

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

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

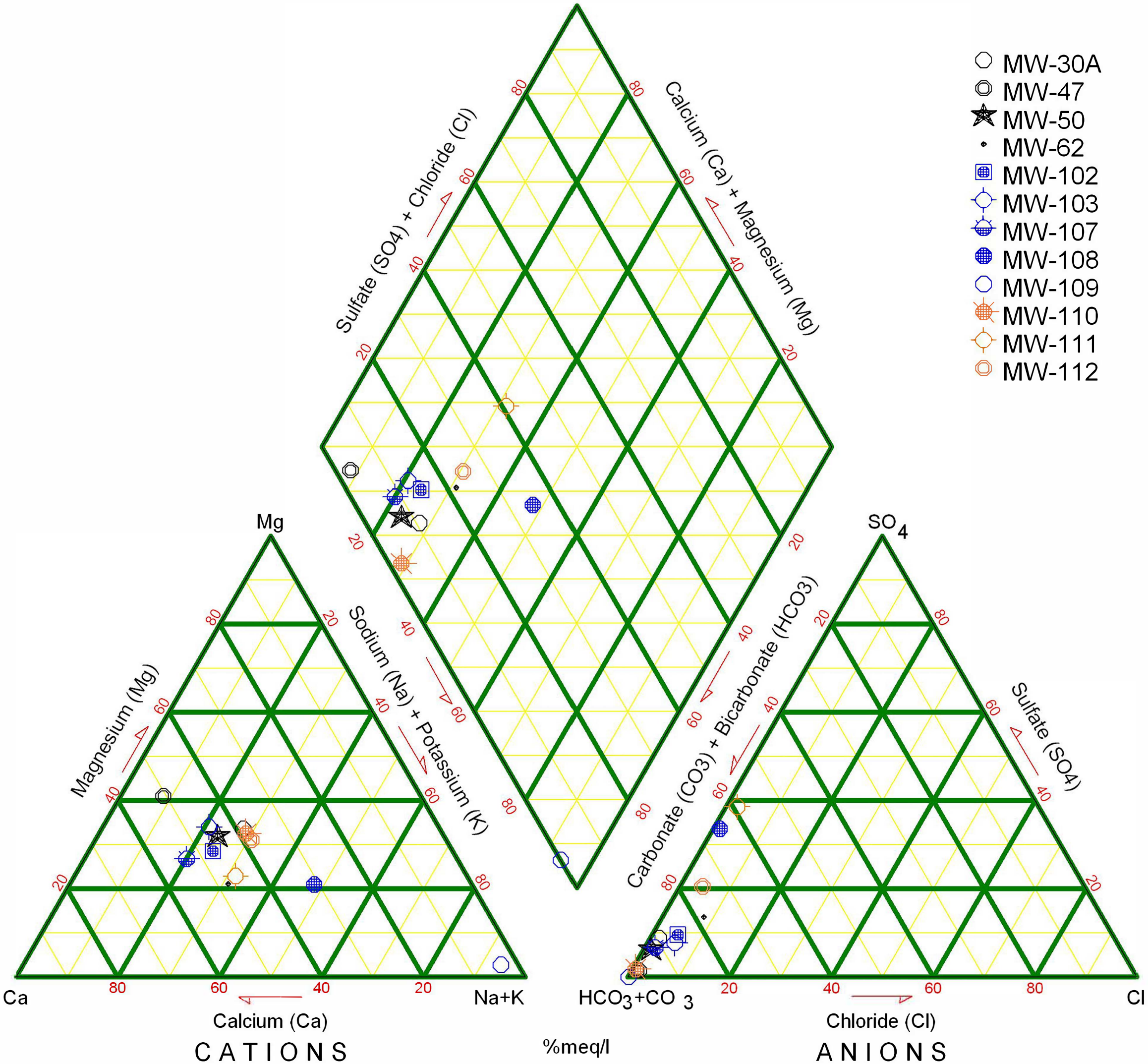
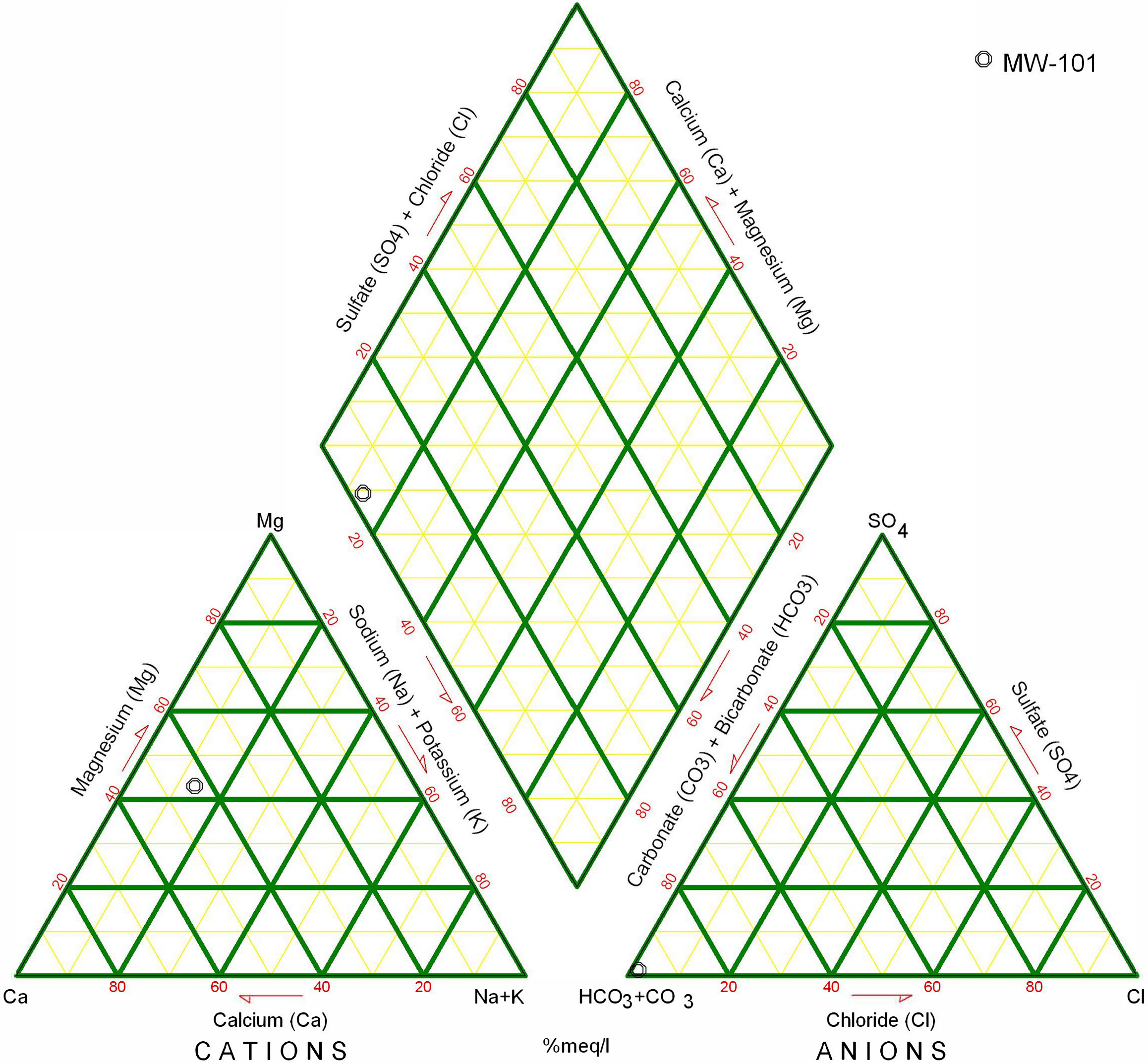




Figure 8. Trilinear Diagram SSW Area Perched Zone Wells  
Cedar Hills Regional Landfill  
First Quarter 2021

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

Data Collected from January 1, 2021 to March 31, 2021

			East Perched Zone														
			MW-30A			MW-47			MW-50			MW-62			SW-E1		
			1/20/21			1/20/21			1/12/21			1/25/21			1/13/21		
Cations	Molecular Weight	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.2			6.7			7.3			6.1			6.2		
Conductance			200			842			314			140			36		
TDSobs			159			581			201			113			43		
Calcium	40.1	2	16.9	0.84	38.6	112.0	5.59	49.7	31.8	1.59	44.5	17.5	0.87	47.8	4.0	0.202	52.1
Magnesium	24.3	2	8.9	0.73	33.6	55.2	4.54	40.4	13.8	1.14	31.8	4.7	0.39	21.1	0.9	0.076	19.6
Potassium	39.1	1	1.3	0.034	1.54	4.6	0.12	1.04	6.24	0.16	4.48	0.90	0.023	1.25	0.541	0.01384	3.58
Sodium	23.0	1	13.2	0.57	26.3	18.6	0.81	7.2	15.7	0.68	19.2	12.5	0.54	29.8	2.17	0.094	24.4
Iron	55.8	2	0.010	0.0003581	0.0164	3.0	0.11	1.0	0.0	0.00	0.0	0.010	0.0004	0.020	0.025	0.001	0.2
Manganese	54.9	2	0.00015	5.534E-06	0.00025	2.0	0.07	0.6	0.0	0.00	0.0	0.0007	2.534E-05	0.0014	0.002	6.2E-05	0.02
Ammonia-N	14.0	1	0.0020	0.0001428	0.0065	0.052	0.004	0.033	0.002	0.000	0.004	0.0020	0.0001428	0.008	0.003	0.00019	0.05
<b>Total Cations (meq/L)</b>				<b>2.19</b>			<b>11.24</b>			<b>3.57</b>			<b>1.83</b>			<b>0.39</b>	
<b>Anions</b>																	
Alkalinity, Total			72.3			521			164			61.3			9.2		
Carbonate	60.0	2	0.008	0.0002518	0.012	0.14	0.0046635	0.04	0.18	0.005972	0.17	0.004	0.0001444	0.008	0.0009	2.9E-05	0.01
Bicarbonate	61.0	1	88.19	1.45	68.1	635.3	10.4	96.9	199.7	3.3	91.9	74.78	1.23	71.4	11.22	0.18394	53.5
Chloride	35.5	1	1.0	0.028	1.3	5.7	0.2	1.51	1.90	0.1	1.51	4.52	0.127	7.42	1.55	0.04372	12.7
Nitrate-N	14.0	1	7.1	0.51	23.8	0.016	0.0011423	0.011	0.120	0.0085671	0.241	2.10	0.15	8.7	1.21	0.08639	25.1
Sulfate	96.1	2	6.9	0.14	6.7	7.7	0.160	1.49	10.50	0.219	6.14	10.30	0.21	12.5	1.4	0.02977	8.7
<b>Total Anions (meq/L)</b>				<b>2.12</b>			<b>10.74</b>			<b>3.56</b>			<b>1.72</b>			<b>0.34</b>	
<b>Total Ions (meq/L)</b>				<b>4.3</b>			<b>22.0</b>			<b>7.1</b>			<b>3.5</b>			<b>0.7</b>	
<b>Cation/Anion Ratio</b>				<b>1.03</b>			<b>1.05</b>			<b>1.00</b>			<b>1.06</b>			<b>1.12</b>	
<b>Percent Difference</b>				<b>1.5</b>			<b>2.3</b>			<b>0.1</b>			<b>3.1</b>			<b>5.9</b>	
<b>Trilinear Diagram Data</b>																	
sum (Ca, Mg, Na+K)				2.19			11.06			3.56			1.83			0.39	
Calcium					38.6			50.5		44.5			47.83			52.30	
Magnesium					33.6			41.1		31.9			21.14			19.62	
Sodium + Potassium					27.8			8.4		23.6			31.03			28.08	
sum (SO <sub>4</sub> , Cl, HCO <sub>3</sub> +CO <sub>3</sub> )				1.62			10.74			3.55			1.57			0.26	
Sulfate					8.8			1.5		6.2			13.7			11.6	
Chloride					1.7			1.5		1.5			8.1			17.0	
Bicarbonate + Carbonate					89.4			97.0		92.3			78.2			71.5	

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

Data Collected from January 1, 2021 to March 31, 2021

	Site ID	Date	East Perched Zone								
			MW-102			MW-103			MW-107		
			1/21/2021			1/12/2021			1/21/2021		
Cations	Molecular Weight	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.5			8.0			5.5		
Conductance			191			234			173		
TDSobs			150			171			115		
Calcium	40.1	2	21.4	1.06786	47.0	25.1	1.25	45.0	18.3	0.913	46.1
Magnesium	24.3	2	7.9	0.64760	28.5	11.5	0.95	34.0	5.6	0.461	23.3
Potassium	39.1	1	1.3	0.03274	1.4	2.8	0.07	2.57	2.5	0.063	3.2
Sodium	23.0	1	12.0	0.52197	23.0	11.7	0.51	18.3	6.5	0.283	14.3
Iron	55.8	2	0.010	0.00036	0.016	0.010	0.00	0.0	3.43	0.123	6.20
Manganese	54.9	2	0.001	0.00005	0.002	0.040	0.00	0.1	2.19	0.080	4.03
Ammonia-N	14.0	1	0.003	0.00021	0.009	0.002	0.000	0.005	0.81	0.058	2.92
<b>Total Cations (meq/L)</b>				<b>2.3</b>			<b>2.78</b>			<b>2.0</b>	
<b>Anions</b>											
Alkalinity, Total			89.6			118			80.1		
Carbonate	60.0	2	0.0163	0.0005	0.02	0.66	0.0218728	0.80	0.002	0.000	0.0
Bicarbonate	61.0	1	109.28	1.7912	81.7	142.6	2.3	86.0	97.72	1.602	91.2
Chloride	35.5	1	3.8	0.1063	4.8	5.2	0.1	5.38	1.3	0.036	2.1
Nitrate-N	14.0	1	1.3	0.0928	4.2	0.0	0.0028557	0.105	0.0	0.001	0.0
Sulfate	96.1	2	9.7	0.2018	9.2	10.1	0.210	7.73	5.6	0.117	6.7
<b>Total Anions (meq/L)</b>				<b>2.2</b>			<b>2.72</b>			<b>1.8</b>	
<b>Total Ions (meq/L)</b>				<b>4.5</b>			<b>5.5</b>			<b>3.7</b>	
<b>Cation/Anion Ratio</b>				<b>1.04</b>			<b>1.02</b>			<b>1.13</b>	
<b>Percent Difference</b>				<b>1.8</b>			<b>1.1</b>			<b>6.0</b>	
<b>Trilinear Diagram Data</b>											
sum (Ca, Mg, Na+K)				2.27			2.78			1.72	
Calcium					47.04			45.1			53.10
Magnesium					28.53			34.1			26.80
Sodium + Potassium					24.43			20.9			20.10
sum (SO <sub>4</sub> , Cl, HCO <sub>3</sub> +CO <sub>3</sub> )				2.10			2.72			1.76	
Sulfate					9.6			7.7			6.7
Chloride					5.1			5.4			2.1
Bicarbonate + Carbonate					85.3			86.9			91.2

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

Data Collected from January 1, 2021 to March 31, 2021

			East Perched Zone															SSWA		
Site ID			MW-108			MW-109			MW-110			MW-111			MW-112			MW-101		
Date			1/21/2021			1/20/2021			1/20/2021			1/15/2021			1/15/2021			1/25/2021		
Cations	Molecular Weight	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.7			7.2			6.5			5.5			7.2			6.8		
Conductance			356			2785			656			95			754			378		
TDSobs			266			2020			463			94			241			269		
Calcium	40.1	2	25.3	1.26248	31.0	23.9	1.19	3.3	65.6	3.273	38.4	9.4	0.4701	45.4	29.6	1.477	38.2	51.3	2.560	42.9
Magnesium	24.3	2	10.4	0.85579	21.0	12.0	0.99	2.8	33.5	2.757	32.4	2.9	0.2370	22.9	14.6	1.201	31.1	30.9	2.543	42.6
Potassium	39.1	1	1.6	0.04092	1.0	2.3	0.06	0.2	3.2	0.081	0.9	0.3	0.0085	0.8	2.9	0.074	1.9	2.7	0.068	1.1
Sodium	23.0	1	44.1	1.91824	47.0	760.0	33.06	92.4	54.4	2.366	27.8	7.3	0.3188	30.8	25.5	1.109	28.7	16.8	0.731	12.2
Iron	55.8	2	0.010	0.00036	0.009	10.4	0.37	1.0	0.0	0.000	0.0	0.010	0.0004	0.03	0.01	0.000	0.01	0.63	0.023	0.38
Manganese	54.9	2	0.001	0.00003	0.001	2.0	0.07	0.2	1.0	0.035	0.4	0.003	0.0001	0.01	0.03	0.001	0.03	1.19	0.043	0.73
Ammonia-N	14.0	1	0.002	0.00014	0.004	0.3	0.02	0.1	0.1	0.004	0.0	0.002	0.0001	0.01	0.01	0.001	0.01	0.01	0.000	0.01
<b>Total Cations (meq/L)</b>				<b>4.1</b>			<b>35.8</b>			<b>8.5</b>			<b>1.0</b>			<b>3.9</b>			<b>6.0</b>	
<b>Anions</b>																				
Alkalinity, Total			130			1860			406			27.6			141			232		
Carbonate	60.0	2	0.035	0.001	0.03	1.652	0.055	0.1	0.085	0.0028	0.0	0.0005	0.00002	0.0	0.122	0.004	0.1	0.094	0.003	0.1
Bicarbonate	61.0	1	158.53	2.598	64.2	2265.84	37.139	99.7	495.15	8.1160	97.5	33.67	0.5519	58.1	171.77	2.815	74.7	282.85	4.636	97.1
Chloride	35.5	1	1.8	0.050	1.2	2.1	0.060	0.2	1.9	0.0542	0.7	0.7	0.0206	2.2	5.9	0.166	4.4	2.4	0.066	1.4
Nitrate-N	14.0	1	0.8	0.055	1.4	0.1	0.004	0.01	0.02	0.0011	0.01	0.3	0.0179	1.9	0.2	0.012	0.3	0.0	0.002	0.0
Sulfate	96.1	2	64.5	1.343	33.2	0.1	0.003	0.01	7.2	0.1507	1.8	17.3	0.3602	37.9	37.1	0.772	20.5	3.1	0.065	1.4
<b>Total Anions (meq/L)</b>				<b>4.0</b>			<b>37.3</b>			<b>8.3</b>			<b>1.0</b>			<b>3.8</b>			<b>4.8</b>	
<b>Total Ions (meq/L)</b>				<b>8.1</b>			<b>73.0</b>			<b>16.8</b>			<b>2.0</b>			<b>7.6</b>			<b>10.7</b>	
<b>Cation/Anion Ratio</b>				<b>1.01</b>			<b>0.96</b>			<b>1.02</b>			<b>1.09</b>			<b>1.02</b>			<b>1.25</b>	
<b>Percent Difference</b>				<b>0.4</b>			<b>-2.0</b>			<b>1.1</b>			<b>4.3</b>			<b>1.2</b>			<b>11.1</b>	
<b>Trilinear Diagram Data</b>																				
sum (Ca, Mg, Na+K)			4.08			35.30			8.48			1.03			3.86			5.90		
Calcium				30.96			3.38			38.62			45.44			38.25			43.38	
Magnesium				20.99			2.80			32.52			22.91			31.11			43.08	
Sodium + Potassium				48.05			93.82			28.86			31.65			30.64			13.54	
sum (SO <sub>4</sub> , Cl, HCO <sub>3</sub> +CO <sub>3</sub> )			3.99			37.26			8.32			0.93			3.76			4.77		
Sulfate				33.6			0.0			1.8			38.6			20.6			1.4	
Chloride				1.2			0.2			0.7			2.2			4.4			1.4	
Bicarbonate + Carbonate				65.1			99.8			97.5			59.2			75.0			97.2	

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TABLE 9  
CEDAR HILLS REGIONAL LANDFILL PERCHED ZONES MONITORING WELLS  
SMMARY OF WAC 173-351 APPENDIX I INTRAWELL PREDICTION LIMIT VALES  
(Data Collected from January 1, 2021 - March 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	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis - 1,2-Dichloroethene	trans - 1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
Well	nits	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
East Perched Zone Wells																								
MW-30A	Limit	0.001	0.001	0.00774	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	0.2	8.6694783	0.2	1.4738988	0.0251
	Result	0.0005	< 0.0003	0.0037	< 0.0001	< 0.0005	0.0006	< 0.0005	0.0004	< 0.0001	0.0006	< 0.0005	< 0.0004	< 0.0001	0.0021	0.0011	7.0900	1.4100	< 0.0001	< 0.1	1.5300	< 0.1	0.8530	0.01 DU
MW-47	Limit	0.001	0.0113	0.0461776	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	0.9934568	2	0.441	6.2592961	0.408	0.23	8.3215464
	Result	0.0026	< 0.0003	0.0333	< 0.0001	< 0.0005	< 0.0002	0.0004	< 0.0002	< 0.0001	0.0018	< 0.0005	< 0.0004	< 0.0001	0.0002	0.0005	0.016 T	0.6590	< 0.0001	< 0.1	2.6800	< 0.1	< 0.1	4.86 D
MW-62	Limit	0.001	0.001	0.0035161	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	10.197126	0.2	0.2	10.303083	0.2	0.47	0.02
	Result	0.0002	< 0.0003	0.0024	< 0.0001	< 0.0005	0.0002	0.0001	0.0003	< 0.0001	0.0005	< 0.0005	< 0.0004	< 0.0001	0.0007	0.0014	2.1000	0.4000	< 0.0001	< 0.1	1.1400	< 0.1	< 0.1	0.01 DU
South Solid Waste Area Wells																								
MW-101	Limit	0.001	0.0135	0.0344092	0.001	0.002	0.005	0.003	0.00416	0.00109	0.01	0.001	0.003	0.001	0.00387	0.00729	0.062	0.21	0.2	0.233	0.277	0.2	0.2	0.8742709
	Result	0.0113	< 0.0003	0.0193	< 0.0001	< 0.0005	0.0003	0.0002	0.0003	< 0.0001	0.0032	< 0.0005	< 0.0004	< 0.0001	0.0004	0.0008	0.03 T	0.117 JT	< 0.0001	< 0.1	0.148 JT	< 0.1	< 0.1	0.334 D

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



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**TABLE 10**  
**CEDAR HILLS REGIONAL LANDFILL**  
**PERCHED ZONES VOLATILE ORGANIC COMPOUND DETECTIONS**  
(Data Collected from January 1, 2021 through March 31, 2021)

Analyte	Site ID	Date	Sample ID	Sample Value (µg/L)
<b>East Perched Zone Wells</b>				
1,1-Dichloroethane	MW-102	1/21/2021	W102210121-	0.199 JT
	MW-110	1/20/2021	W110210120-	0.332
	MW-30A	1/20/2021	W30A210120-	1.41
	MW-47	1/20/2021	W47-210120-	0.659
	MW-62	1/25/2021	W62-210125-	0.4
1,2-Dichlorobenzene	MW-110	1/20/2021	W110210120-	0.669
1,2-Dichloroethane	MW-110	1/20/2021	W110210120-	0.26
1,2-Dichloropropane	MW-110	1/20/2021	W110210120-	0.245
1,4-Dichlorobenzene	MW-107	1/21/2021	W107210121-	0.407
	MW-109	1/20/2021	W109210120-	1.08 JT
	MW-110	1/20/2021	W110210120-	0.14 JT
Benzene	MW-109	1/20/2021	W109210120-	1.69 JT
	MW-110	1/20/2021	W110210120-	0.192 JT
Chlorobenzene	MW-107	1/21/2021	W107210121-	0.334
	MW-109	1/20/2021	W109210120-	1.38 JT
	MW-110	1/20/2021	W110210120-	0.593
Chloroethane	MW-47	1/20/2021	W47-210120-	0.141 JT
cis-1,2,-Dichloroethene	MW-102	1/21/2021	W102210121-	0.106 JT
	MW-110	1/20/2021	W110210120-	4.65
	MW-111	1/15/2021	W111210115-	0.192 JT
	MW-30A	1/20/2021	W30A210120-	1.53
	MW-47	1/20/2021	W47-210120-	2.68
	MW-62	1/25/2021	W62-210125-	1.14
Dichlorodifluoromethane	MW-47	1/20/2021	W47-210120-	4.09
Tetrachloroethene	MW-30A	1/20/2021	W30A210120-	0.116 JT
Toluene	MW-109	1/20/2021	W109210120-	113
Trichloroethene	MW-30A	1/20/2021	W30A210120-	0.853
Vinyl Chloride	MW-107	1/21/2021	W107210121-	0.675 D
	MW-109	1/20/2021	W109210120-	0.321 D
	MW-110	1/20/2021	W110210120-	0.0316 D
	MW-47	1/20/2021	W47-210120-	4.86 D
<b>South Solid Waste Area Perched Wells</b>				
1,1-Dichloroethane	MW-101	1/25/2021	W101210125-	0.117 JT
cis-1,2,-Dichloroethene	MW-101	1/25/2021	W101210125-	0.148
Vinyl Chloride	MW-101	1/25/2021	W101210125-	0.334 D

See Data Qualifier List for Qualifier Information.

**TABLE 11**  
**CEDAR HILLS REGIONAL LANDFILL**  
**VOLATILE ORGANIC COMPOUND DETECTIONS IN BLANKS**  
(Data Collected from January 1, 2021 through March 31, 2021)

Compound	Workgroup ID	Date	Method	Sample Value
Acetone	WG174272	2/3/2021	WG174272-1	2.86 BJT

See Data Qualifier List for Qualifier Information.

**Table 12**  
**CEDAR HILLS REGIONAL LANDFILL**  
**STORM AND SURFACE WATER MONITORING ACTIVITIES 1st QUARTER 2021**

Station ID	Date	Planned Activity	Sample ID	Comment
SW-GS1	1/7/2021	NPDES Permit Sample	SGS1210107P	
SW-N4	1/7/2021	NPDES Permit Sample	SN4-210107P	
SW-SL3	1/7/2021	NPDES Permit Sample	SSL3210107P	
SW-TD1	3/15/2021	Area 5 Top Deck Monitoring	STD1210315-	
SW-E1	1/13/2021	East Perched Zone SW Monitoring	SE1-210113Q	
Stream Gauges	1/4/2021	Monthly Stream Gauge Level Measurement	--	
Stream Gauges	2/17/2021	Monthly Stream Gauge Level Measurement	--	
Stream Gauges	3/8/2021	Monthly Stream Gauge Level Measurement	--	

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

**INDUSTRIAL STORMWATER GENERAL PERMIT**  
**BENCHMARKS AND EFFLUENT LIMITS**

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

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

**CONSTRUCTION STORMWATER GENERAL PERMIT**  
**BENCHMARKS**

Parameter	Units	Minimum Sampling Frequency	Benchmark
Turbidity	NTU	Weekly	25

**TABLE 14**  
**CEDAR HILLS REGIONAL LANDFILL**  
**STORMWATER PERMIT CRITERIA EXCEEDANCES**  
(Data Collected from January 1, 2021 - March 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 CSWGP\* EXCEEDANCES**

Parameter	Units	Sampling Location	Date	Value	Permit Limit	Type
Turbidity	NTU	CHL	01/15/21	26.1	25	
Turbidity	NTU	C3	01/15/21	36.9	25	
Turbidity	NTU	C3	02/16/21	26.5	25	
Turbidity	NTU	C3	02/17/21	31.5	25	

\* CSWGP - Construction Stormwater General Permit

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

Analyte	CAS No.	Ground Water Quality Criteria Criterion*	
<b>I. PRIMARY AND SECONDARY CONTAMINANTS AND RADIONUCLIDES</b>			
<b>A. Primary Contaminants</b>			
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>B. Secondary Standards</b>			
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
<b>C. Radionuclides and Radioactivity</b>			
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
<b>II. CARCINOGENS</b>			
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	0.000006	ug/L
2,4,6-Trichlorophenol	88-06-2	4	ug/L
2,4-Dinitrotoluene	121-14-2	0.1	ug/L
2,4-Toluenediamine	95-80-7	0.002	ug/L
2,6-Dinitrotoluene	606-20-2	0.1	ug/L
2-Methoxy-5-nitroaniline	99-59-2	2	ug/L
2-Methylaniline	95-53-4	0.2	ug/L
2-Methylaniline hydrochloride	636-21-5	0.5	ug/L
3,3'-Dichlorobenzidine	91-94-1	0.2	ug/L
3,3'-Dimethoxybenzidine	119-90-4	6	ug/L
3,3'-Dimethylbenzidine	119-93-7	0.007	ug/L
4,4'-Methylene bis(N,N'-dimethyl) aniline	101-61-1	2	ug/L
4-Chloro-2-methyl aniline	95-69-2	0.1	ug/L
4-Chloro-2-methyl aniline hydrochloride	3165-93-3	0.2	ug/L
Acrylamide	79-06-1	0.02	ug/L
Acrylonitrile	107-13-1	0.07	ug/L
Aldrin	309-00-2	0.005	ug/L
Aniline	62-53-3	14	ug/L
Aramite	140-57-8	3	ug/L
Arsenic	7440-38-2	0.00005	mg/L
Azobenzene	103-33-3	0.7	ug/L
Benzene	71-43-2	1	ug/L



**Table 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
Furmecyclo	60568-05-0	3	ug/L
Heptachlor	76-44-8	0.02	ug/L
Heptachlor epoxide	1024-57-3	0.009	ug/L
Hexachlorobenzene	118-74-1	0.05	ug/L
Hexachlorocyclohexane (alpha)	319-84-6	0.001	ug/L
Hexachlorocyclohexane (technical)	608-73-1	0.05	ug/L
Hexachlorodibenzo-p-dioxin, mix	34465-46-8	0.00001	ug/L
Hydrazine/hydrazine sulfate	302-01-2/10034-93-2	0.03	ug/L
Lindane	58-89-9	0.06	ug/L
Methylene Chloride	75-09-2	5	ug/L
Mirex	2385-85-5	0.05	ug/L
Nitrofurazone	59-87-0	0.06	ug/L
N-Nitrosodiethanolamine	1116-54-7	0.03	ug/L
N-Nitrosodiethylamine	55-18-5	0.0005	ug/L
N-Nitrosodimethylamine	62-75-9	0.002	ug/L
N-Nitroso-di-n-butylamine	924-16-3	0.02	ug/L
N-Nitroso-di-n-propylamine	621-64-7	0.01	ug/L
N-Nitrosodiphenylamine	86-30-6	17	ug/L
N-Nitroso-N-methylethylamine	10595-95-6	0.004	ug/L
N-Nitrosopyrrolidine	930-55-2	0.04	ug/L
o-Chloronitrobenzene	88-73-3	3	ug/L
o-Phenylenediamine	95-54-5	0.005	ug/L
o-Toluidine	95-53-4	0.2	ug/L
p,a,a,a-Tetrachlorotoluene	5216-25-1	0.004	ug/L
PAHs [Benzo(a)pyrene]		0.01	ug/L
PBBs	59536-65-1	0.01	ug/L
PCBs c	27323-18-8	0.01	ug/L
p-Chloronitrobenzene	100-00-5	5	ug/L
Propylene oxide	75-56-9]	0.01	ug/L
Tetrachloroethylene	127-18-4	0.8	ug/L
Toxaphene c	8001-35-2	0.08	ug/L
Trichloroethylene (TCE)	79-01-6	3	ug/L
Trimethyl phosphate	512-56-1	2	ug/L
Vinyl chloride	75-01-4	0.02	ug/L
NOTES: pCi/L=picocuries per liter mg/L=milligrams per liter ug/L=micrograms per liter *Ground Water Quality Criteria=173-200 WAC Water Quality Standards for Ground Waters of the State of Washington			

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

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

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# **APPENDIX A**

## **Potentiometric Surface Maps and Aquifer Flow Calculations**





## King County

### Water and Land Resources Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5600

Seattle, WA 98104-3855

**206-477-4800** Fax 206-296-0192

TTY Relay: 711

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## TECHNICAL MEMORANDUM

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May 12, 2021

TO: Subrina Tahsin, Engineer II, Facility Engineering and Science Section, Solid Waste Division, Department of Natural Resources and Parks (DNRP)

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

RE: Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations  
First 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 first 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 January 4, 2021. These measurements were received by WLRD on March 1 through April 16, 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.

When comparing results from this report to that of the fourth quarter of 2020, there have been no significant changes in the interpreted regional aquifer groundwater conditions.

## Groundwater Elevation Data

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

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 January 4, 2021.

## Direction of Groundwater Flow

Interpreted groundwater flow directions in the regional aquifer, based on measurements taken on January 4, 2021, are shown in Figure A-1. Calculated groundwater elevations during the first quarter of 2021 indicate that groundwater in the regional aquifer generally flows to the:

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

Table A-2 lists the flow direction for each portion of the regional aquifer beneath the Landfill based on measurements taken on January 4, 2021 and mapping of groundwater elevation contours.

## Groundwater Parameters

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



The hydraulic gradient is greatest under the southern portion of the Landfill (0.011 ft/ft) and slightly lower under the rest of the Landfill based on measurements made during the first quarter of 2021.

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:

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

$v$  = Groundwater velocity [L/t]

$n_{eff}$  = Effective porosity [dimensionless]

$K$  = Hydraulic conductivity [L/t]

$\frac{\Delta H}{\Delta L}$  = Hydraulic gradient [L/L]

The mean horizontal groundwater velocities for the regional aquifer beneath the Landfill, are lowest under the southern portion of the Landfill (0.008 ft/d) and much greater under the rest of the Landfill (up to 2.08 ft/d under the central portion).

## References

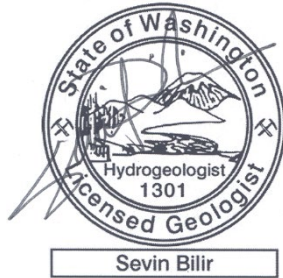
Aspect Consulting, LLC. (Aspect). 2010. Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill. Unpublished work. April 30.

HDR Engineering, Inc. (HDR). 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](mailto: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 – First Quarter 2021
- Table A-2: Groundwater Parameters – First Quarter 2021
- Figure A-1: Groundwater Potentiometric Surface Map – First Quarter 2021 – Regional Aquifer

**Table A-1: Well Details and Groundwater Elevations – First Quarter 2021**  
**Cedar Hills Regional Landfill**  
**King County, Washington**

							January 4, 2021	
	Well Identification	Easting <sup>2</sup> (ft)	Northing <sup>2</sup> (ft)	Top of Casing Elevation (ft MSL <sup>3</sup> )	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Measured Depth to Water <sup>1</sup> (ft)	Groundwater Elevations (ft MSL)
Wells with water levels <u>within 10 ft</u> of the top of screen	MW-60	1701154.47	167873.20	567.15	334.81	325.81	229.00	338.15
	MW-64	1701980.27	168772.19	596.55	334.03	320.23	266.03	330.52
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	238.52	292.76
	MW-67	1701776.69	172610.65	516.43	297.80	284.00	220.13	296.30
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	331.50	315.57
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	360.64	311.23
	MW-73	1698954.95	174995.59	485.70	288.11	278.81	191.12	294.58
	MW-74R	1700386.85	173813.79	531.26	289.90	280.40	239.80	291.46
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	137.68	354.03
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	183.53	310.13
	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	145.64	351.17
	MW-84	1698602.89	173894.54	530.80	292.46	282.96	235.95	294.85
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	245.74	286.02
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	249.56	286.48
	MW-87	1700670.27	173493.76	537.31	283.68	274.38	247.91	289.40
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	227.22	286.46
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	308.28	323.87
	MW-94	1698674.21	167210.22	495.51	357.22	348.52	144.03	351.48
	MW-95	1697265.32	169426.92	571.54	314.60	305.90	251.13	320.41
Wells with water levels <u>greater than 10 ft</u> above the top of screen	MW-100	1700791.72	169610.46	620.32	319.06	309.06	297.77	322.55
	MW-106	1702536.99	173461.69	475.47	280.04	270.04	190.25	285.22
	MW-113	1698238.80	168478.70	531.09	334.79	325.09	188.80	342.29
	MW-114	1698892.70	167919.80	490.45	353.65	344.05	141.29	349.16
	MW-115	1698960.70	167225.80	484.87	352.87	343.27	132.96	351.91
	MW-21	1697901.86	173876.38	420.66	263.22	255.22	124.88	295.78
	MW-22	1701844.34	173088.17	517.09	236.02	231.22	231.92	285.17
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	145.54	330.45
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	263.18	283.88
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	273.73	306.70
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	128.70	351.63
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	105.59	351.05
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	147.67	331.60
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	124.45	332.68
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	209.69	336.14
	MW-75	1701059.70	173432.42	532.40	271.10	261.00	245.27	287.13
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	238.57	291.84
	MW-89	1701799.57	174319.44	512.82	229.20	219.90	231.84	280.98
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	221.31	280.91
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	246.50	285.52
Other	MW-99	1702556.06	172098.73	493.64	221.77	212.77	200.02	293.62
	WS-NPW-1	1701906.96	171138.99	646.33	282.80	267.90	332.14	314.19
	WS-NPW-3	1701922.88	170663.28	645.81	285.00	273.90	330.46	315.35
Other	MW-69 <sup>4</sup>	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 mid-year 2021.
- NM Not measured due to damaged well. Cannot access water level.  
NA Not Applicable

**Table A-2: Groundwater Parameters – First Quarter 2021**

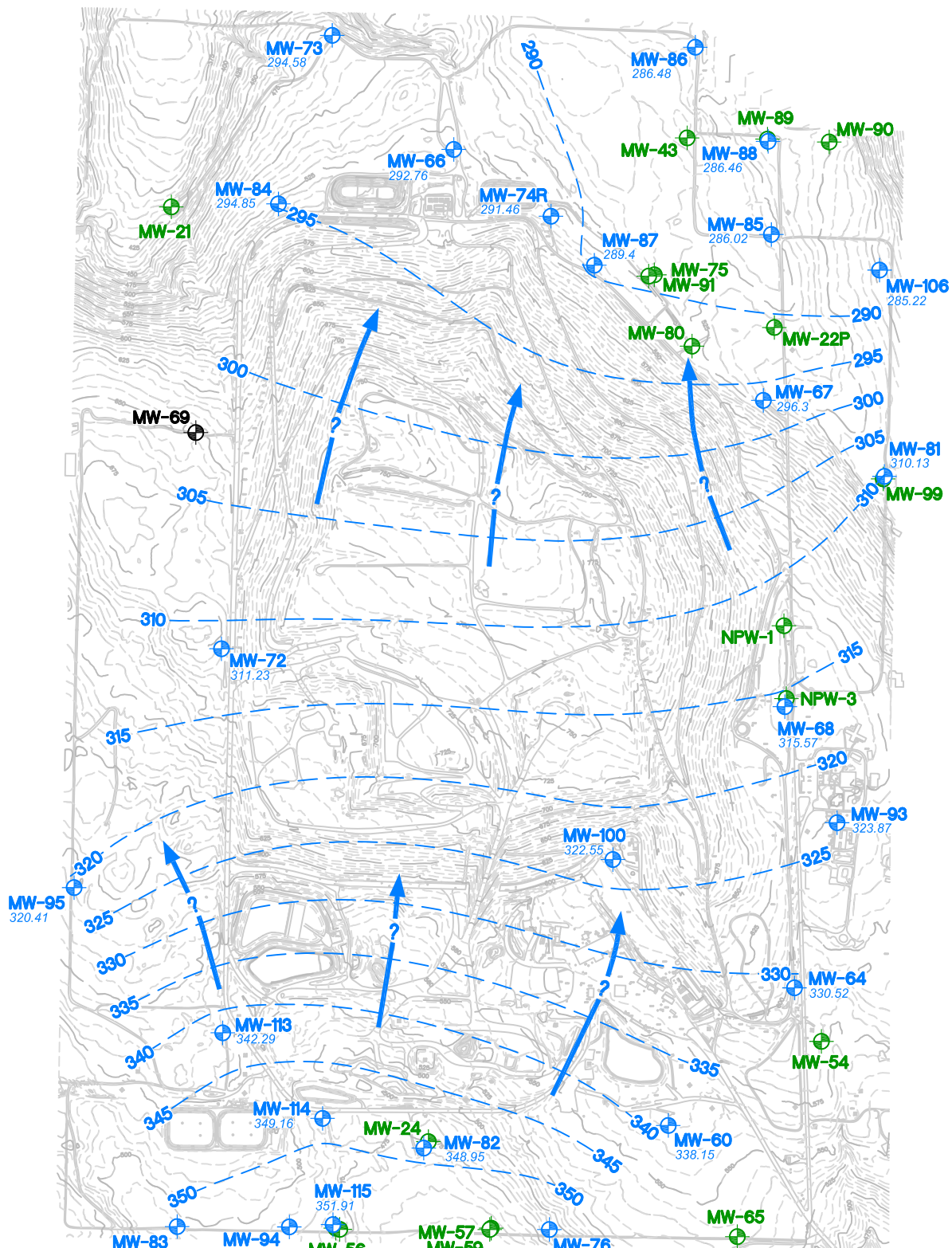
Cedar Hills Regional Landfill

King County, Washington

Regional Aquifer Zone Beneath the Landfill	Horizontal Hydraulic Conductivity <sup>1,3</sup> (K)			Horizontal Hydraulic Gradient <sup>2</sup> (DH/DL)	Effective Porosity <sup>1</sup> (n <sub>eff</sub> )	Horizontal Groundwater Velocity (v)	General Groundwater Flow Direction
	Range	(cm/s)	(ft/d)	(ft/ft)		(ft/d)	
Northern	Minimum	2.10E-03	6	0.007	24%	0.19	NNE, NE
	Maximum	4.20E-02	120			3.71	
	Mean	2.10E-02	60			1.85	
Central	Minimum	2.10E-03	6	0.008	24%	0.21	N, NNW
	Maximum	4.20E-02	120			4.15	
	Mean	2.10E-02	60			2.08	
Southern	Minimum	6.40E-06	0.018	0.011	26%	0.001	NW, N, NNE
	Maximum	6.40E-04	1.8			0.075	
	Mean	6.40E-05	0.18			0.008	

**Notes:**

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



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

DATE:	April 2021	PROJECT NO.	1126980
DESIGNED BY:	SB	FIGURE NO.	<b>A-1</b>
DRAWN BY:	KK		
REVISED BY:	SB		

# **APPENDIX B**

## **Field and Analytical Test Results**

## Groundwater Field and Analytical Data

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## Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021

Cedar Hills Landfill --- Groundwater Field Parameters

Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-100	1/4/2021	620.32	297.77	322.55	
MW-101	1/4/2021	474.72	29.54	445.18	
MW-101	1/25/2021	474.72	30.31	444.41	
MW-102	1/4/2021	552.48	41.64	510.84	
MW-102	1/21/2021	552.48	43.21	509.27	DTW without pump
MW-103	1/4/2021	639.08	11.13	627.95	
MW-103	1/12/2021	639.08	11.18	627.9	
MW-104	1/4/2021	629.68	26.41	603.27	
MW-104	1/4/2021	629.68	25.77	603.91	Measured WL on 1/15/2021 @ 0745; WL @ 32.00 (bottom of screen) well did not recover. Water level below top of pump. Lowered pump to 31.50 ft.
MW-105	1/4/2021	521.23	18.94	502.29	
MW-106	1/4/2021	475.47	190.25	285.22	
MW-107	1/4/2021	589.029	24.23	564.799	Needs hinged lid
MW-107	1/21/2021	589.03	25.99	563.04	
MW-108	1/4/2021	612.258	13.28	598.978	Needs hinged lid
MW-108	1/21/2021	612.26	14	598.26	
MW-109	1/4/2021	638.728	14.98	623.748	Needs hinged lid
MW-109	1/20/2021	638.73	6.52	632.21	
MW-110	1/4/2021	641.742	3.82	637.922	
MW-110	1/20/2021	641.74	4.34	637.4	
MW-111	1/4/2021	643.797	7	636.797	
MW-112	1/4/2021	638.929	12.92	626.009	
MW-112	1/15/2021	638.93	13.13	625.80	
MW-113	1/4/2021	531.09	188.8	342.29	
MW-113	1/11/2021	531.09	169.14	361.95	
MW-114	1/4/2021	490.45	141.29	349.16	
MW-114	1/11/2021	490.45	141.6	348.85	
MW-115	1/4/2021	484.87	132.96	351.91	
MW-115	1/11/2021	484.87	132.79	352.08	
MW-21	1/4/2021	420.66	124.88	295.78	
MW-22	1/4/2021	517.09	231.92	285.17	
MW-24	1/4/2021	475.99	145.54	330.45	
MW-25	1/4/2021	474.41	2.78	471.63	nearby ponding, water in annulus
MW-27A	1/4/2021	584.23	54.35	529.88	water in annulus
MW-28	1/4/2021	527.75	19.12	508.63	
MW-29	1/4/2021	532.92	7.95	524.97	Needs hinged lid + casing extension
MW-30A	1/4/2021	568.43	27.79	540.64	Needs hinged lid. Water in annulus
MW-30A	1/20/2021	568.43	27.75	540.68	
MW-41D	1/4/2021	462.32	24.65	437.67	
MW-41S	1/4/2021	462.44	3.17	459.27	Ponding near casing
MW-43	1/4/2021	547.06	263.18	283.88	
MW-45	1/4/2021	488.4	13.18	475.22	
MW-47	1/4/2021	634.6	21.59	613.01	casing needs extension and hinged lid
MW-47	1/20/2021	568.43	27.75	634.6	

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021

Cedar Hills Landfill --- Groundwater Field Parameters

Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-48	1/4/2021	594.49	41.95	552.54	
MW-50	1/4/2021	637.02	29.73	607.29	

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --- Groundwater Field Parameters  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-50	1/12/2021	637.05	29.6	607.45	
MW-54	1/4/2021	580.43	273.73	306.70	refuse present
MW-55	1/4/2021	652.29	28.56	623.73	Needs hinged lid
MW-56	1/4/2021	480.33	128.7	351.63	water in annulus
MW-57	1/4/2021	456.64	105.59	351.05	to PVS pipe - 104.09 to casing
MW-58A	1/4/2021	479.27	147.67	331.6	water in annulus
MW-59	1/4/2021	457.13	124.45	332.68	water in annulus
MW-59	1/11/2021	457.13	124.4	332.73	
MW-60	1/4/2021	567.15	229	338.15	
MW-62	1/4/2021	556.21	48.37	507.84	Needs hinged lid
MW-62	1/25/2021	556.21	49.41	506.8	
MW-63	1/4/2021	515.88	4.18	511.70	
MW-64	1/4/2021	596.55	266.03	330.52	
MW-65	1/4/2021	545.83	209.69	336.14	
MW-66	1/4/2021	531.28	238.52	292.76	
MW-66	1/5/2021	531.28	239.29	291.99	
MW-67	1/4/2021	516.43	220.13	296.3	
MW-68	1/4/2021	647.07	331.5	315.57	
MW-68	1/11/2021	647.07	332.12	314.95	
MW-69	1/4/2021	653.69			needs to be fixed
MW-72	1/4/2021	671.87	360.64	311.23	Lid hinge needs repair
MW-72	1/5/2021	671.87	361.22	310.65	
MW-73	1/4/2021	485.7	191.12	294.58	Dead trees N of well
MW-74R	1/4/2021	531.26	239.8	291.46	
MW-74R	1/6/2021	531.26	240.49	290.77	
MW-75	1/4/2021	532.4	245.27	287.13	
MW-75	1/6/2021	532.4	245.86	286.54	
MW-76	1/4/2021	491.71	137.68	354.03	
MW-79	1/4/2021	459.17			NEEDS TO BE FIXED
MW-80	1/4/2021	530.41	238.57	291.84	
MW-80	1/11/2021	530.41	239.18	291.23	
MW-81	1/4/2021	493.66	183.53	310.13	
MW-81	1/5/2021	493.66	184.26	309.4	
MW-82	1/4/2021	474.85	125.9	348.95	
MW-83	1/4/2021	496.81	145.64	351.17	
MW-83	1/7/2021	496.81	146.28	350.53	
MW-84	1/4/2021	530.8	235.95	294.85	
MW-84	2/1/2021	530.8	236.04	294.76	
MW-85	1/4/2021	531.76	245.74	286.02	
MW-85	1/6/2021	531.76	246.23	285.53	
MW-86	1/4/2021	536.04	249.56	286.48	
MW-87	1/4/2021	537.31	247.91	289.4	Lid does not sit flat
MW-88	1/4/2021	513.68	227.22	286.46	
MW-89	1/4/2021	512.82	231.84	280.98	
MW-90	1/4/2021	502.22	221.31	280.91	

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --- Groundwater Field Parameters  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	pH (Field) (std. Units)	Conductance (Field) (umhos/cm)	Temperature (Field) (° C)	Purge Volume (Field) (gal)	Dissolved Oxygen (Field) (mg/L)	ORP (Field) mV	Turbidity (Field) NTU
MW-101	W101210125-	44221.34167	6.83	378.4	8.2				5.47
MW-102	W102210121-	1/21/2021	6.48	190.7	9.52	1	9.56	390.1	8.67
MW-103	W103210112-	1/12/2021	7.97	234	10.49	2	4.07	371.3	10.6
MW-107	W107210121-	1/21/2021	5.51	173.1	11.37	1	0.68	91	1.75
MW-108	W108210121-	1/21/2021	6.65	355.9	11.199	1	8.41	375.1	2.74
MW-109	W109210120-	1/20/2021	7.17	2785	10.16	0.75	1.34	-116	7.55
MW-110	W110210120-	1/20/2021	6.54	655.9	11.17	2	1.02	311.9	49.9
MW-111	W111210115-	1/15/2021	5.5	94.5	10.33	1.75	7.86	468.7	0.97
MW-112	W112210115-	1/15/2021	7.16	753.7	11.31	1.25	1.56	422.4	1.36
MW-113	W113210111-	1/11/2021	7.26	365.2	10.2	4	0.62	-90.5	6.12
MW-114	W114210111-	1/11/2021	6.64	259.7	9.5	2	5.49	165.2	3.94
MW-115	W115210111-	1/11/2021	6.41	255	9.55	2.25	4.29	164.4	0.52
MW-30A	W30A210120-	1/20/2021	6.24	200.3	10.65	0.75	9.3	287.6	0.95
MW-47	W47-210120-	1/20/2021	6.65	841.6	11.484	13.59			1
MW-50	W50-210112-	1/12/2021	7.26	313.8	10.963				18.8
MW-59	W59-210111-	1/11/2021	6.64	210.7	9.7	4	0.64	-57.3	1.23
MW-62	W62-210125-	1/25/2021	6.07	139.8	9.2				0.9
MW-66	W66-210105-	1/5/2021	6.67	183.8	9.96	2.5	5.69	360.9	0.46
MW-68	W68-210111-	1/11/2021	6.79	244.1	10.18	4.25	0.9	155.5	9.36
MW-72	W72-210105-	1/5/2021	6.89	324.5	10.25	5.5	0.9	-41.6	15
MW-74R	W74R210106-	1/6/2021	6.83	446.1	10.01	3.25	6.01	359.2	6.3
MW-75	W75-210106-	1/6/2021	6.96	340.7	9.679	4	0.89	31	0.95
MW-80	W80-210111-	1/11/2021	7.06	271.6	9.836	4.5	1.32	100.5	0.68
MW-81	W81-210105-	1/5/2021	6.76	147.9	9.664	2	5.76	356.2	0.31
MW-83	W83-210107-	1/7/2021	6.55	601	10.66	4.2	1.05	183.7	0.87
MW-84	W84-210201-	2/1/2021	6.8	191.8	9.25	5.5	1.3	189.4	1.05
MW-85	W85-210106-	1/6/2021	6.76	355.7	9.39	3.6	3.45	240.9	0.22
MW-87	W87-210115-	1/15/2021	6.65	505	10.66				2.79

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021

Cedar Hills Landfill --- Groundwater Field Parameters

Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	pH	Conductance	Temperature	Purge Volume	Dissolved Oxygen	ORP	Turbidity
			(Field) (std. Units)	(Field) (umhos/cm)	(Field) (° C)	(Field) (gal)	(Field) (mg/L)	(Field) mV	(Field) NTU
MW-93	W93-210106-	1/6/2021	7.04	302.8	11.08	3.75	1.09	213.4	0.33
MW-94	W94-210107-	1/7/2021	6.3	327.4	9.06	1.75	2.85	128.8	0.62

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	Alkalinity, Total (CaCO <sub>3</sub> ) (mg/L)	Ammonia, (NH <sub>3</sub> ) (mg/L)	Chloride (mg/L)	Nitrate- Nitrogen, (NO <sub>3</sub> as N) (mg/L)	Specific Conductance (umhos/cm)	Sulfate (SO <sub>4</sub> ) (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Solids (mg/L)	Suspended Solids (mg/L)
MW-101	W101210125-	1/25/2021	232	0.0057 T	2.35	0.03 T	442	3.13	269	4.38	287	6.6
MW-102	W102210121-	1/21/2021	89.6	0.0029 T	3.77	1.3	223	9.69	150	1.14	164	6.3
MW-103	W103210112-	1/12/2021	118	0.0021 T	5.19	0.04 T	268	10.1	171	0.5 U	170	1
MW-107	W107210121-	1/21/2021	80.1	0.811	1.29	0.01 U	185	5.64	115	4.78	121	4.62
MW-108	W108210121-	1/21/2021	130	0.002 U	1.76	0.777	403	64.5	266	0.64 T	282	1.3
MW-109	W109210120-	1/20/2021	1860	0.29	2.11	0.05 U	2990	0.13 T	2020	49.9 S	2080	1.73
MW-110	W110210120-	1/20/2021	406	0.0515	1.92	0.016 T	762	7.24	463	2.26	532	56.1
MW-111	W111210115-	1/15/2021	27.6	0.002 U	0.729	0.251	110	17.3	94	0.84 T	89.3	0.5 U
MW-112	W112210115-	1/15/2021	141	0.0079 T	5.89	0.17	369	37.1	241	0.94 T	240	0.57 U
MW-113	W113210111-	1/11/2021	142	0.0123	32.1	0.01 U	403	10.6	227	2.16	238	1.4 T
MW-114	W114210111-	1/11/2021	100	0.002 U	18	1.81	290	6.89	176	0.81 T	189	6.6
MW-115	W115210111-	1/11/2021	93.9	0.002 U	18.4	1.64	282	9.02	169	1.13	172	0.5 U
MW-30A	W30A210120-	1/20/2021	72.3	0.002 U	0.989	7.09	224	6.86	159	0.68 T	165	0.9 T
MW-47	W47-210120-	1/20/2021	521	0.0521	5.74	0.016 T	967	7.69	581	3.88	591	6.67
MW-50	W50-210112-	1/12/2021	164	0.0021 T	1.9	0.12	338	10.5	201	1.3	217	14.3
MW-59	W59-210111-	1/11/2021	74.6	0.0057 T	12.3	0.01 U	223	15.5	133	0.5 U	138	1.4
MW-62	W62-210125-	1/25/2021	61.3	0.002 U	4.52	2.1	177	10.3	113	0.73 T	112	0.5 U
MW-66	W66-210105-	1/5/2021	80.6	0.002 U	4.19	0.352	214	13.6	131	0.5 U	125	0.5 U
MW-68	W68-210111-	1/11/2021	124	0.0163	3.06	0.01 U	281	15.3	185	0.5 U	173	3.37
MW-72	W72-210105-	1/5/2021	124	0.0145	7.22	0.01 U	351	35.7	214	0.67 T	216	8.3
MW-74R	W74R210106-	1/6/2021	198	0.002 U	21.7	0.323	519	32.4	301	0.55 T	306	0.9 T
MW-75	W75-210106-	1/6/2021	109	0.0081 T	11.5	0.01 U	392	62.4	248	0.64 T	252	1 T
MW-80	W80-210111-	1/11/2021	123	0.0091 T	4.44	0.01 U	313	28.9	191	0.5 U	196	2.2
MW-81	W81-210105-	1/5/2021	55	0.002 U	5.13	1.29	171	10.8	109	0.5 U	105	0.5 U
MW-83	W83-210107-	1/7/2021	216	0.0025 T	63.9	2.03	658	12	405	5.78	388	0.6 T
MW-84	W84-210201-	2/1/2021	83.6	0.002 U	5.09	0.187	218	16.3	141	0.5 U	127	0.8 T
MW-85	W85-210106-	1/6/2021	144	0.002 U	10.5	0.0918	392	33.3	275	0.5 U	226	0.5 U
MW-87	W87-210115-	1/15/2021	118	0.0335	15.6	0.01 U	546	131	370	0.5 U	389	5.2
MW-93	W93-210106-	1/6/2021	118	0.0493	2.75	0.014 T	335	41.4	209	0.5 U	208	0.5 U
MW-94	W94-210107-	1/7/2021	126	0.002 U	25.2	0.189	353	7.12	213	3.18	215	0.5 U

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Sample ID	Antimony, dissolved  (mg/L)	Antimony, total  (mg/L)	Arsenic, dissolved  (mg/L)	Arsenic, total  (mg/L)	Barium, dissolved  (mg/L)	Barium, total  (mg/L)	Beryllium, dissolved  (mg/L)	Beryllium, total  (mg/L)	Cadmium, dissolved  (mg/L)	Cadmium, total  (mg/L)	Calcium, dissolved  (mg/L)	Calcium, total  (mg/L)
MW-101	1/25/2021	W101210125-	0.0003 U	0.0003 U	0.0122	0.0113	0.0186	0.0193	0.0001 U	0.0001 U	5E-05 U	5E-05 U	51.3	48.9
MW-102	1/21/2021	W102210121-	0.0003 U	0.0003 U	0.000211	0.000233	0.00386	0.00459	0.0001 U	0.0001 U	5E-05 U	5E-05 U	21.4	21.1
MW-103	1/12/2021	W103210112-	0.0003 U	0.000356	0.00713	0.00679	0.0101	0.0109	0.0001 U	0.0001 U	5E-05 U	5E-05 U	25.1	25.5
MW-107	1/21/2021	W107210121-	0.0003 U	0.0003 U	0.00591	0.00591	0.00963	0.00962	0.0001 U	0.0001 U	5E-05 U	5E-05 U	18.3	18.1
MW-108	1/21/2021	W108210121-	0.000316	0.000313	0.00151	0.0015	0.0107	0.0104	0.0001 U	0.0001 U	5E-05 U	5E-05 U	25.3	24.4
MW-109	1/20/2021	W109210120-	0.0003 U	0.0003 U	0.0301	0.0318	0.0411	0.0484	0.000222	2.75E-04	5E-05 U	5E-05 U	23.9	23.6
MW-110	1/20/2021	W110210120-	0.0003 U	0.0003 U	0.00122	0.00288	0.0241	0.0316	0.0001 U	0.0001 U	0.0000876	0.000106	65.6	67.1
MW-111	1/15/2021	W111210115-	0.0003 U	0.0003 U	0.000562	0.000575	0.00557	0.00576	0.0001 U	0.0001 U	5E-05 U	5E-05 U	9.42	9.65
MW-112	1/15/2021	W112210115-	0.0003 U	0.0003 U	0.00316	0.00316	0.00953	0.0101	0.0001 U	0.0001 U	5E-05 U	5E-05 U	29.6	31.1
MW-113	1/11/2021	W113210111-	0.0003 U	0.0003 U	0.00057	0.000554	0.00216	0.00196	0.0001 U	0.0001 U	5E-05 U	5E-05 U	38.7	38.4
MW-114	1/11/2021	W114210111-	0.0003 U	0.0003 U	0.000281	0.000328	0.0018	0.00237	0.0001 U	0.0001 U	5E-05 U	5E-05 U	27.3	27.7
MW-115	1/11/2021	W115210111-	0.0003 U	0.0003 U	0.000207	0.0002	0.00076	0.000782	0.0001 U	0.0001 U	5E-05 U	5E-05 U	27.8	28.2
MW-30A	1/20/2021	W30A210120-	0.0003 U	0.0003 U	0.000498	0.000506	0.00367	0.00373	0.0001 U	0.0001 U	5E-05 U	5E-05 U	16.9	17
MW-47	1/20/2021	W47-210120-	0.0003 U	0.0003 U	0.00248	0.00264	0.0324	0.0333	0.0001 U	0.0001 U	5E-05 U	5E-05 U	112	113
MW-50	1/12/2021	W50-210112-	1/0/1900	0.000432	0.00452	0.00464	0.0109	0.0138	0.0001 U	0.0001 U	5E-05 U	5E-05 U	31.8	30.9
MW-59	1/11/2021	W59-210111-	0.0003 U	0.0003 U	0.000431	0.000432	0.00429	0.00419	0.0001 U	0.0001 U	5E-05 U	5E-05 U	18	18.5
MW-62	1/25/2021	W62-210125-	0.0003 U	0.0003 U	0.000187	0.000197	0.00223	0.00235	0.0001 U	0.0001 U	5E-05 U	5E-05 U	17.5	17.1
MW-66	1/5/2021	W66-210105-	0.0003 U	0.0003 U	0.00069	0.000715	0.00389	0.00402	0.0001 U	0.0001 U	5E-05 U	5E-05 U	15.9	16.6
MW-68	1/11/2021	W68-210111-	0.0003 U	0.0003 U	0.01	0.0359	0.0105	0.0105	0.0001 U	0.0001 U	5E-05 U	5E-05 U	26.5	26.4
MW-72	1/5/2021	W72-210105-	0.0003 U	0.0003 U	0.0000758	0.000129	0.0122	0.0151	0.0001 U	0.0001 U	5E-05 U	5E-05 U	33.2	38
MW-74R	1/6/2021	W74R210106-	0.0003 U	0.0003 U	0.000389	0.00108	0.0118	0.012	0.0001 U	0.0001 U	5E-05 U	5E-05 U	43.6	45.3
MW-75	1/6/2021	W75-210106-	0.0003 U	0.0003 U	4.27E-04	0.000447	0.0125	0.0132	0.0001 U	0.0001 U	5E-05 U	5E-05 U	32.4	33.4
MW-80	1/11/2021	W80-210111-	0.0003 U	0.0003 U	0.00299	0.00284	0.0136	0.0135	0.0001 U	0.0001 U	5E-05 U	5E-05 U	30.6	30.8
MW-81	1/5/2021	W81-210105-	0.0003 U	0.0003 U	0.000544	0.000552	0.00329	0.00336	0.0001 U	0.0001 U	5E-05 U	5E-05 U	14.3	15.1
MW-83	1/7/2021	W83-210107-	0.0003 U	0.0003 U	0.000375	0.000391	0.0114	0.0116	0.0001 U	0.0001 U	5E-05 U	5E-05 U	70.7	71.1
MW-84	2/1/2021	W84-210201-	0.0003 U	0.0003 U	0.000335	0.000341	0.00533	0.00564	0.0001 U	0.0001 U	5E-05 U	5E-05 U	17	16.8
MW-85	1/6/2021	W85-210106-	0.0003 U	0.0003 U	0.00074	0.000737	0.00734	0.00731	0.0001 U	0.0001 U	5E-05 U	5E-05 U	36.6	37.1
MW-87	1/15/2021	W87-210115-	0.0003 U	0.0003 U	0.000584	0.000938	0.028	0.0284	0.0001 U	0.0001 U	5E-05 U	5E-05 U	47.7	49.2
MW-93	1/6/2021	W93-210106-	0.0003 U	0.0003 U	0.00141	0.00153	0.00771	0.00851	0.0001 U	0.0001 U	5E-05 U	5E-05 U	31.9	34.6
MW-94	1/11/2021	W94-210107-	0.0003 U	0.0003 U	0.000119	0.000151	0.00244	0.00248	0.0001 U	0.0001 U	5E-05 U	5E-05 U	35.7	38.4

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Sample ID	Chromium, dissolved (mg/L)	Chromium total (mg/L)	Cobalt, dissolved (mg/L)	Cobalt, total (mg/L)	Copper, dissolved (mg/L)	Copper, total (mg/L)	Iron, dissolved (mg/L)	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)	, dissolved (mg/L)	, total (mg/L)	Manganese, dissolved (mg/L)
MW-101	1/25/2021	W101210125-	0.0002 U	0.000257	0.000211	0.00024	0.0002 U	0.000277	0.634	0.772	0.0001 U	0.0001 U	30.9	29.1	1.19
MW-102	1/21/2021	W102210121-	0.0002 U	0.000372	5E-05 U	0.0000861	0.000539	0.000656	0.01 U	0.117	0.0001 U	0.0001 U	7.87	7.85	0.00149
MW-103	1/12/2021	W103210112-	0.000349	0.000504	5E-05 U	5E-05 U	0.000544	0.00126	0.01 U	0.0637	0.0001 U	0.000216	11.5	11.8	0.00201
MW-107	1/21/2021	W107210121-	0.000654	0.000734	0.00289	0.00298	0.00112	0.00179	3.43	3.46	0.0001 U	0.0001 U	5.6	5.55	2.19
MW-108	1/21/2021	W108210121-	0.000549	0.000556	5E-05 U	5E-05 U	0.0002 U	0.000233	0.01 U	0.0179	0.0001 U	0.0001 U	10.4	10.3	0.000868
MW-109	1/20/2021	W109210120-	0.0406	0.0453	0.000438	0.000633	0.00518	0.0187	10.4	11.1	0.000316	0.0011	12	11.6	2.01
MW-110	1/20/2021	W110210120-	0.0002 U	0.00158	0.000714	1.54E-03	0.000931	0.00286	0.01 U	1.34	0.0001 U	0.000476	33.5	34.8	0.952
MW-111	1/15/2021	W111210115-	0.00172	0.00172	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	2.88	2.89	0.00305
MW-112	1/15/2021	W112210115-	0.000557	0.000552	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	14.6	14.9	0.0333
MW-113	1/11/2021	W113210111-	0.0002 U	0.0002 U	0.0000691	0.0000708	0.0002 U	0.0002 U	1.27	1.27 D	0.0001 U	0.0001 U	20.4	20.6	0.454
MW-114	1/11/2021	W114210111-	0.0002 U	0.000374	3.71E-04	3.67E-03	0.000384	0.00056	0.01 U	0.192 D	0.0001 U	0.0001 U	13.8	13.6	0.00126
MW-115	1/11/2021	W115210111-	0.0002 U	0.0002 U	0.000113	0.000127	0.000258	0.000255	0.01 U	0.0201 D	0.0001 U	0.0001 U	12.3	11.6	0.0122
MW-30A	1/20/2021	W30A210120-	0.000599	0.00062	5E-05 U	5E-05 U	0.000231	0.000357	0.01 U	0.0365	0.0001 U	0.0001 U	8.92	9.03	0.000152
MW-47	1/20/2021	W47-210120-	0.0002 U	0.0002 U	0.000364	0.000358	0.0002 U	0.0002 U	3.03	3.03	0.0001 U	0.0001 U	55.2	55.9	2
MW-50	1/12/2021	W50-210112-	0.000293	0.000978	5E-05 U	0.000344	0.00115	0.00217	0.01 U	0.395	0.0001 U	0.000261	13.8	14	0.00147
MW-59	1/11/2021	W59-210111-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	4.67	4.55 D	0.0001 U	0.0001 U	11.4	10.6	0.128
MW-62	1/25/2021	W62-210125-	0.0002 U	0.000221	0.0000526	0.000063	0.000245	0.000299	0.01 U	0.0353	0.0001 U	0.0001 U	4.69	4.65	0.000696
MW-66	1/5/2021	W66-210105-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.00466	0.01 U	0.0148	0.0001 U	0.0001 U	12.6	13	0.0001 U
MW-68	1/11/2021	W68-210111-	0.0002 U	0.0002 U	2.11E-04	2.12E-04	0.0002 U	0.000902	0.51	1.17 D	0.0001 U	0.0001 U	14.7	13.5	0.293
MW-72	1/5/2021	W72-210105-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	2.74	5.06	0.0001 U	0.0001 U	20.4	22.7	0.373
MW-74R	1/6/2021	W74R210106-	0.0002 U	0.000225	5E-05 U	5E-05 U	0.000449	0.000354	0.01 U	0.526	0.0001 U	0.0001 U	33.8	33.7	0.0001 U
MW-75	1/6/2021	W75-210106-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	2.56	2.67	0.0001 U	0.0001 U	24.2	24.7	0.23
MW-80	1/11/2021	W80-210111-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.000422	2.03	2.07 D	0.0001 U	0.0001 U	15.9	14.8	0.35
MW-81	1/5/2021	W81-210105-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	8	8.18	0.0001 U
MW-83	1/7/2021	W83-210107-	0.000311	0.00048	0.000273	0.000302	0.00352	0.00401	0.01 U	0.01 U	0.0001 U	0.0001 U	29.7	29.3	0.00558
MW-84	2/1/2021	W84-210201-	0.0002 U	0.0002 U	5E-05 U	0.0000592	0.000277	0.000435	0.01 U	0.0318	0.0001 U	0.0001 U	12.6	12.4	0.0025
MW-85	1/6/2021	W85-210106-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	23.3	22.9	0.000116
MW-87	1/15/2021	W87-210115-	0.0002 U	0.0002 U	0.00018	0.000176	0.0002 U	0.0006	4.74	4.77	0.0001 U	0.0001 U	32.3	32.8	0.561
MW-93	1/6/2021	W93-210106-	0.0002 U	0.0002 U	0.0000576	0.000103	0.0002 U	0.00053	0.01 U	0.0285	0.0001 U	0.0001 U	17.2	18.2	0.15
MW-94	1/7/2021	W94-210107-	0.0002 U	0.0002 U	0.000125	0.000148	0.00114	0.00119	0.0292	0.0455	0.0001 U	0.0001 U	16.4	17.5	0.00295



Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Sample ID	Manganese, total (mg/L)	Mercury, dissolved (mg/L)	Mercury, total (mg/L)	Nickel, dissolved (mg/L)	Nickel, total (mg/L)	Potassium, dissolved (mg/L)	Potassium, total (mg/L)	Selenium, dissolved (mg/L)	Selenium, total (mg/L)	Silver, dissolved (mg/L)	Silver, total (mg/L)	Sodium, dissolved (mg/L)	Sodium, total (mg/L)
MW-101	1/25/2021	W101210125-	1.08	5E-05 U	5E-05 U	0.00306	0.00322	2.67	2.59	0.0005 U	0.0005 U	4E-05 U	4E-05 U	16.8	16.1
MW-102	1/21/2021	W102210121-	0.00298	5E-05 U	5E-05 U	0.000597	0.000676	1.28	1.29	0.0005 U	0.0005 U	4E-05 U	4E-05 U	12	11.8
MW-103	1/12/2021	W103210112-	0.0253	5E-05 U	5E-05 U	0.000181	0.000452	2.79	2.8	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11.7	12
MW-107	1/21/2021	W107210121-	2.16	5E-05 U	5E-05 U	0.00579	0.00607	2.46	2.42	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.5	6.4
MW-108	1/21/2021	W108210121-	0.000784	5E-05 U	5E-05 U	0.000411	0.000405	1.6	1.58	0.0005 U	0.0005 U	4E-05 U	4E-05 U	44.1	42.6
MW-109	1/20/2021	W109210120-	1.93	5E-05 U	5E-05 U	0.0041	0.00551	2.31	2.31	0.0005 U	0.000637	4E-05 U	4E-05 U	760 D	779 D
MW-110	1/20/2021	W110210120-	1.22	5E-05 U	5E-05 U	0.00462	0.00627	3.15	3.28	0.0005 U	0.0005 U	4E-05 U	4E-05 U	54.4	55.9
MW-111	1/15/2021	W111210115-	0.00307	5E-05 U	5E-05 U	0.00182	0.00191	0.334	0.338	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.33	7.43
MW-112	1/15/2021	W112210115-	0.0344	5E-05 U	5E-05 U	0.000184	0.000192	2.9	2.95	0.0005 U	0.0005 U	4E-05 U	4E-05 U	25.5	25.6
MW-113	1/11/2021	W113210111-	0.44	5E-05 U	5E-05 U	0.000303	0.000282	2.21	2.11	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.41	9.56
MW-114	1/11/2021	W114210111-	0.0341	5E-05 U	5E-05 U	0.000442	0.000696	2.29	2.14	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.71	6.87
MW-115	1/11/2021	W115210111-	0.0114	5E-05 U	5E-05 U	0.000508	0.000472	1.9	1.78	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.19	7.25
MW-30A	1/20/2021	W30A210120-	0.000713	5E-05 U	5E-05 U	0.000592	0.000641	1.32	1.33	0.0005 U	0.0005 U	4E-05 U	4E-05 U	13.2	13.4
MW-47	1/20/2021	W47-210120-	1.99	5E-05 U	5E-05 U	0.00173	0.00175	4.55	4.57	0.0005 U	0.0005 U	4E-05 U	4E-05 U	18.6	18.5
MW-50	1/12/2021	W50-210112-	0.0243	5E-05 U	5E-05 U	0.000408	0.00138	6.24	6.23	0.0005 U	0.0005 U	4E-05 U	4E-05 U	15.7	16.1
MW-59	1/11/2021	W59-210111-	0.117	5E-05 U	5E-05 U	0.0001 U	0.0001 U	1.16	1.12	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.45	6.75
MW-62	1/25/2021	W62-210125-	0.00116	5E-05 U	5E-05 U	0.000409	0.000469	0.895	0.903	0.0005 U	0.0005 U	4E-05 U	4E-05 U	12.5	12.1
MW-66	1/5/2021	W66-210105-	0.000413	5E-05 U	5E-05 U	0.000142	0.000321	1.11	1.14	0.000903	0.000974	4E-05 U	4E-05 U	7.22	7.72
MW-68	1/11/2021	W68-210111-	0.265	5E-05 U	5E-05 U	0.000414	0.00044	1.7	1.55	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.82	8.88
MW-72	1/5/2021	W72-210105-	0.432	5E-05 U	5E-05 U	0.000102	0.000171	2.05	2.24	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.68	9.65
MW-74R	1/6/2021	W74R210106-	0.00697	5E-05 U	5E-05 U	0.000878	0.00093	2.14	2.11	0.00062	0.000619	4E-05 U	4E-05 U	12.2	12.3
MW-75	1/6/2021	W75-210106-	0.231	5E-05 U	5E-05 U	0.0001 U	0.0001 U	2.04	2.06	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.44	9.7
MW-80	1/11/2021	W80-210111-	0.304	5E-05 U	5E-05 U	0.000107	0.00011	1.72	1.59	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.12	8.15
MW-81	1/5/2021	W81-210105-	0.0001 U	5E-05 U	5E-05 U	0.000114	0.000122	0.865	0.879	0.000865	0.000871	4E-05 U	4E-05 U	6.73	7.04
MW-83	1/7/2021	W83-210107-	0.209	5E-05 U	5E-05 U	0.00177	0.00258	3.93	3.92	0.0005 U	0.0005 U	4E-05 U	4E-05 U	15	15.2
MW-84	2/1/2021	W84-210201-	0.00546	5E-05 U	5E-05 U	0.000439	0.000582	1.2	1.21	0.000701	0.000729	4E-05 U	4E-05 U	7.44	7.25
MW-85	1/6/2021	W85-210106-	0.000249	5E-05 U	5E-05 U	0.00022	0.000219	1.78	1.76	0.000931	0.000893	4E-05 U	4E-05 U	10.3	10.4
MW-87	1/15/2021	W87-210115-	0.566	5E-05 U	5E-05 U	0.000324	0.000363	2.5	2.57	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11	11
MW-93	1/6/2021	W93-210106-	0.195	5E-05 U	5E-05 U	0.000191	0.00033	1.56	1.61	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.61	10.3
MW-94	1/11/2021	W94-210110-	0.00352	5E-05 U	5E-05 U	0.000601	0.000651	2.55	2.66	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.78	9.5

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Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Sample ID	Thallium, dissolved (mg/L)	Thallium, total (mg/L)	Vanadium, dissolved (mg/L)	Vanadium, total (mg/L)	Zinc, dissolved (mg/L)	Zinc, total (mg/L)
MW-101	1/25/2021	W101210125-	0.0001 U	0.0001 U	0.000278	0.0004	0.000593	0.000825
MW-102	1/21/2021	W102210121-	0.0001 U	0.0001 U	0.000987	0.00118	0.00115	0.00141
MW-103	1/12/2021	W103210112-	0.0001 U	0.0001 U	0.00223	0.00242	0.00233	0.00519
MW-107	1/21/2021	W107210121-	0.0001 U	0.0001 U	0.0011	0.0012	0.00296	0.0032
MW-108	1/21/2021	W108210121-	0.0001 U	0.0001 U	0.00292	0.00288	0.0005 U	0.000735
MW-109	1/20/2021	W109210120-	0.0001 U	0.0001 U	0.119 D	0.143 D	0.000966	0.00169
MW-110	1/20/2021	W110210120-	0.0001 U	0.0001 U	0.00179	0.00411	0.000784	0.00334
MW-111	1/15/2021	W111210115-	0.0001 U	0.0001 U	0.00108	0.00108	0.0005 U	0.0005 U
MW-112	1/15/2021	W112210115-	0.0001 U	0.0001 U	0.000875	0.000731	0.0005 U	0.0005 U
MW-113	1/11/2021	W113210111-	0.0001 U	0.0001 U	0.000108	7.5E-05 U	0.0005 U	0.0005 U
MW-114	1/11/2021	W114210111-	0.0001 U	0.0001 U	0.000848	0.00113	0.000962	0.0012
MW-115	1/11/2021	W115210111-	0.0001 U	0.0001 U	0.000596	0.000497	0.0005 U	0.0005 U
MW-30A	1/20/2021	W30A210120-	0.0001 U	0.0001 U	0.00211	0.0021	0.000931	0.00108
MW-47	1/20/2021	W47-210120-	0.0001 U	0.0001 U	0.000194	0.000197	0.0005 U	0.000543
MW-50	1/12/2021	W50-210112-	0.0001 U	0.0001 U	0.00313	0.00401	0.00143	0.00325
MW-59	1/11/2021	W59-210111-	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.000615	0.000752
MW-62	1/25/2021	W62-210125-	0.0001 U	0.0001 U	0.000673	0.000694	0.00121	0.00138
MW-66	1/5/2021	W66-210105-	0.0001 U	0.0001 U	0.000774	0.000808	0.000595	0.00129
MW-68	1/11/2021	W68-210111-	0.0001 U	0.0001 U	0.000224	0.000698	0.0005 U	0.0005 U
MW-72	1/5/2021	W72-210105-	0.0001 U	0.0001 U	0.000128	0.0001	0.000647	0.000926
MW-74R	1/6/2021	W74R210106-	0.0001 U	0.0001 U	0.000677	0.00105	0.000634	0.000609
MW-75	1/6/2021	W75-210106-	0.0001 U	0.0001 U	0.000179	1.26E-04	0.0005 U	0.0005 U
MW-80	1/11/2021	W80-210111-	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.00175	0.00217
MW-81	1/5/2021	W81-210105-	0.0001 U	0.0001 U	0.00176	0.00177	0.000639	0.0005 U
MW-83	1/7/2021	W83-210107-	0.0001 U	0.0001 U	9.11E-04	9.95E-04	0.000703	0.00108
MW-84	2/1/2021	W84-210201-	0.0001 U	0.0001 U	0.000617	0.000648	0.017	0.0196
MW-85	1/6/2021	W85-210106-	0.0001 U	0.0001 U	0.00108	0.00107	0.0005 U	0.000549
MW-87	1/15/2021	W87-210115-	0.0001 U	0.0001 U	7.5E-05 U	0.000177	0.00116	0.00184
MW-93	1/6/2021	W93-210106-	0.0001 U	0.0001 U	0.00232	0.00247	0.00312	0.00595
MW-94	1/11/2021	W94-210107-	0.0001 U	0.0001 U	0.00115	0.00122	0.000728	0.0005 U

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
Cedar Hills Landfill --Groundwater Conventional Analytical Data  
Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
			ug/l 630-20-6	ug/l 71-55-6	ug/l 79-34-5	ug/l 79-00-5	ug/l 75-34-3	ug/l 75-35-4	ug/l 96-18-4	ug/l 96-12-8	ug/l 106-93-4	ug/l 95-50-1	ug/l 107-06-2	ug/l 78-87-5
MW-101	1/25/2021	W101210125-	0.25 U	0.1 U	0.1 U	0.1 U	0.117 JT	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-102	1/21/2021	W102210121-	0.25 U	0.1 U	0.1 U	0.1 U	0.199 JT	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-103	1/12/2021	W103210112-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-107	1/21/2021	W107210121-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-108	1/21/2021	W108210121-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-109	1/20/2021	W109210120-	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
MW-110	1/20/2021	W110210120-	0.25 U	0.1 U	0.1 U	0.1 U	0.332	0.1 U	0.1 U	2.5 U	0.1 U	0.669	0.26	0.245
MW-111	1/15/2021	W111210115-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-112	1/15/2021	W112210115-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-113	1/11/2021	W113210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-114	1/11/2021	W114210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-115	1/11/2021	W115210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-30A	1/20/2021	W30A210120-	0.25 U	0.1 U	0.1 U	0.1 U	1.41	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-47	1/20/2021	W47-210120-	0.25 U	0.1 U	0.1 U	0.1 U	0.659	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-50	1/12/2021	W50-210112-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-59	1/11/2021	W59-210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-62	1/25/2021	W62-210125-	0.25 U	0.1 U	0.1 U	0.1 U	0.4	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-66	1/5/2021	W66-210105-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-68	1/11/2021	W68-210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-72	1/5/2021	W72-210105-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-74R	1/6/2021	W74R210106-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-75	1/6/2021	W75-210106-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-80	1/11/2021	W80-210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-81	1/5/2021	W81-210105-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-83	1/7/2021	W83-210107-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U

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 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5
MW-84	2/1/2021	W84-210201-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-85	1/6/2021	W85-210106-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-87	1/15/2021	W87-210115-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-93	1/6/2021	W93-210106-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-94	1/7/2021	W94-210107-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

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Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Acrylonitrile	Benzene	Bromochloromethane	Bromochloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			106-46-7	78-93-3	591-78-6	108-10-1	67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5
MW-101	1/25/2021	W101210125-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-102	1/21/2021	W102210121-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-103	1/12/2021	W103210112-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-107	1/21/2021	W107210121-	0.407	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-108	1/21/2021	W108210121-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-109	1/20/2021	W109210120-	1.08 JT	2.5 U	5 U	25 U	25 U	0.35 U	1.69 JT	1 U	2.5 U	5 U	1 U	1 U	2.5 U
MW-110	1/20/2021	W110210120-	0.14 JT	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.192 JT	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-111	1/15/2021	W111210115-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-112	1/15/2021	W112210115-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-113	1/11/2021	W113210111-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-114	1/11/2021	W114210111-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-115	1/11/2021	W115210111-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-30A	1/20/2021	W30A210120-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-47	1/20/2021	W47-210120-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-50	1/12/2021	W50-210112-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-59	1/11/2021	W59-210111-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-62	1/25/2021	W62-210125-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-66	1/5/2021	W66-210105-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-68	1/11/2021	W68-210111-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-72	1/5/2021	W72-210105-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-74R	1/6/2021	W74R210106-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-75	1/6/2021	W75-210106-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-80	1/11/2021	W80-210111-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-81	1/5/2021	W81-210105-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-83	1/7/2021	W83-210107-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U

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 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Acrylonitrile	Benzene	Bromochloromethane	Bromochloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			106-46-7	78-93-3	591-78-6	108-10-1	67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5
MW-84	2/1/2021	W84-210201-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-85	1/6/2021	W85-210106-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-87	1/15/2021	W87-210115-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-93	1/6/2021	W93-210106-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-94	1/7/2021	W94-210107-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U

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Site	Sample ID	Date	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide
			ug/l 108-90-7	ug/l 124-48-1	ug/l 75-00-3	ug/l 67-66-3	ug/l 74-87-3	ug/l 156-59-2	ug/l 10061-01-5	ug/l 74-95-3	ug/l 75-71-8	ug/l 100-41-4	ug/l MPX	ug/l 74-88-4
MW-101	1/25/2021	W101210125-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.148 JT	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-102	1/21/2021	W102210121-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.106 JT	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-103	1/12/2021	W103210112-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-107	1/21/2021	W107210121-	0.334	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-108	1/21/2021	W108210121-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-109	1/20/2021	W109210120-	1.38 JT	5 U	1 U	1 U	2.5 U	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
MW-110	1/20/2021	W110210120-	0.593	0.5 U	0.1 U	0.1 U	0.25 U	4.65	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-111	1/15/2021	W111210115-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.192 JT	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-112	1/15/2021	W112210115-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-113	1/11/2021	W113210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-114	1/11/2021	W114210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-115	1/11/2021	W115210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-30A	1/20/2021	W30A210120-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.53	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-47	1/20/2021	W47-210120-	0.1 U	0.5 U	0.141 JT	0.1 U	0.25 U	2.68	0.25 U	0.1 U	4.09	0.1 U	0.1 U	0.1 U
MW-50	1/12/2021	W50-210112-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-59	1/11/2021	W59-210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.43	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-62	1/25/2021	W62-210125-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.14	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-66	1/5/2021	W66-210105-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-68	1/11/2021	W68-210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-72	1/5/2021	W72-210105-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-74R	1/6/2021	W74R210106-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-75	1/6/2021	W75-210106-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-80	1/11/2021	W80-210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-81	1/5/2021	W81-210105-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-83	1/7/2021	W83-210107-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

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Site	Sample ID	Date	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide
			ug/l 108-90-7	ug/l 124-48-1	ug/l 75-00-3	ug/l 67-66-3	ug/l 74-87-3	ug/l 156-59-2	ug/l 10061-01-5	ug/l 74-95-3	ug/l 75-71-8	ug/l 100-41-4	ug/l MPX	ug/l 74-88-4
MW-84	2/1/2021	W84-210201-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-85	1/6/2021	W85-210106-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-87	1/15/2021	W87-210115-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-93	1/6/2021	W93-210106-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-94	1/7/2021	W94-210107-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U



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Site	Sample ID	Date	Methylene Chloride	O- Xylene	Styrene	Tetrachlor oethene	Toluene	Trans-1,2- Dichloroethene	Trans-1,3- Dichloropropene	Trans-1,4- Dichloro-2- Butene	Trichlor oethene	Trichlorofluor omethane	Vinyl Acetate	Vinyl Chloride
			ug/l 75-09-2	ug/l 95-47-6	ug/l 100-42-5	ug/l 127-18-4	ug/l 108-88-3	ug/l 156-60-5	ug/l 10061-02-6	ug/l 110-57-6	ug/l 79-01-6	ug/l 75-69-4	ug/l 108-05-4	ug/l 75-01-4
MW-101	1/25/2021	W101210125-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.334 D
MW-102	1/21/2021	W102210121-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-103	1/12/2021	W103210112-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-107	1/21/2021	W107210121-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.675 D
MW-108	1/21/2021	W108210121-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-109	1/20/2021	W109210120-	25 U	1 U	1 U	1 U	113	1 U	5 U	5 U	1 U	1 U	1 U	0.321 D
MW-110	1/20/2021	W110210120-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.0316 D
MW-111	1/15/2021	W111210115-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-112	1/15/2021	W112210115-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-113	1/11/2021	W113210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-114	1/11/2021	W114210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	9.77	0.1 U	0.1 U	0.01 U
MW-115	1/11/2021	W115210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	5.18	0.1 U	0.1 U	0.01 U
MW-30A	1/20/2021	W30A210120-	2.5 U	0.1 U	0.1 U	0.116 JT	0.1 U	0.1 U	0.5 U	0.5 U	0.853	0.1 U	0.1 U	0.01 DU
MW-47	1/20/2021	W47-210120-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	4.86 D
MW-50	1/12/2021	W50-210112-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-59	1/11/2021	W59-210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-62	1/25/2021	W62-210125-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-66	1/5/2021	W66-210105-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-68	1/11/2021	W68-210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-72	1/5/2021	W72-210105-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-74R	1/6/2021	W74R210106-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-75	1/6/2021	W75-210106-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-80	1/11/2021	W80-210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-81	1/5/2021	W81-210105-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-83	1/7/2021	W83-210107-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	2.24	0.1 U	0.1 U	0.01 U

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 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW-84	2/1/2021	W84-210201-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-85	1/6/2021	W85-210106-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-87	1/15/2021	W87-210115-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-93	1/6/2021	W93-210106-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-94	1/7/2021	W94-210107-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	2.7	0.1 U	0.1 U	0.01 U

## Storm and Surface Water Field and Analytical Data



Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021

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

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	1/4/2021	415.38	418.84		0.9	416.28	
SW-G1	SW-W1	2/17/2021	415.38	418.84		0.53	415.91	
SW-G1	SW-W1	3/8/2021	415.38	418.84		0.5	415.88	
SW-G2	SW-N1	1/4/2021	355.68	358.21		1.31	356.99	
SW-G2	SW-N1	2/17/2021	355.68	358.21		0.62	356.30	
SW-G2	SW-N1	3/8/2021	355.68	358.21		0.25	355.93	
SW-G3	SW -V	1/4/2021	466.46	469.88		0.3	466.76	
SW-G3	SW -V	2/17/2021	466.46	469.88		0.16	466.62	
SW-G3	SW -V	3/8/2021	466.46	469.88		0.14	466.60	
SW-G4	Upstream of SW-E1	1/4/2021	502.41	505.85		0.74	505.85	
SW-G4	Upstream of SW-E1	2/17/2021	502.41	505.85		0.46	502.87	
SW-G4	Upstream of SW-E1	3/8/2021	502.41	505.85		0.33	502.74	
SW-G5	SW-E1	1/4/2021	486.92	490.34		1.03	487.95	
SW-G5	SW-E1	2/17/2021	486.92	490.34		0.71	487.63	
SW-G5	SW-E1	3/8/2021	486.92	490.34		0.61	487.53	
SW-G6	Upstream of SW-GS1	1/4/2021	490.72	494.12		1.08	491.80	
SW-G6	Upstream of SW-GS1	2/17/2021	490.72	494.12	2.68		491.44	
SW-G6	Upstream of SW-GS1	3/8/2021	490.72	494.12	3.44		490.68	
SW-G7	SW-S2	1/4/2021	453.03	456.41		1.32	454.35	
SW-G7	SW-S2	2/17/2021	453.03	456.41		1.15	454.18	
SW-G7	SW-S2	3/8/2021	453.03	456.41		0.79	453.82	
SW-G8	Upstream of SW-S1	1/4/2021	510.61	515.56		1.47	512.08	
SW-G8	Upstream of SW-S1	2/17/2021	510.61	515.56		0.52	511.13	
SW-G8	Upstream of SW-S1	3/8/2021	510.61	515.56		0.3	510.91	
SW-G9	SW-S1	1/4/2021	490.93	494.35		1.51	492.44	
SW-G9	SW-S1	2/17/2021	490.93	494.35		0.85	491.78	
SW-G9	SW-S1	3/8/2021	490.93	494.35		0.67	491.60	

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Surface Water Field Parameters  
 Contact Person: Natalya Usova (206-263-0608)

Site	Sample ID	Date	pH	Spec. Conductance	Temperature	Turbidity	Dissolved Oxygen,
			(Field) (std. Units)	(Field) (umho/cm)	(Field) (°C)	(Field) (NTU)	(Field) (mg/L)
SW-E1	SE1-210113Q	1/13/2021	6.19	36	7.62	1.89	10.2
SW-GS1	SGS1210107P	1/7/2021	6.83		6.2		
SW-N4	SN4-210107P	1/7/2021	7.46		7.2		
SW-SL3	SSL3210107P	1/7/2021	7.31		6.2		
SW-TD1	STD1210315-	3/15/2021	7.87	389.9	3.95	8.31	13.15

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021

Cedar Hills Landfill ---Surface Water ISGP Analytes

Contact Person: Natalya Usova (206-263-0608)

Site	Sample ID	Date	Ammonia, (NH3)  (mg/L)	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Zinc, total  (mg/L)
SW-GS1	SGS1210107P	1/7/2021	0.121	2 U	1.4	0.00189
SW-N4	SN4-210107P	1/7/2021	0.0128	2 U	3.1	0.0427
SW-SL3	SSL3210107P	1/7/2021	0.127	2 U	6.8	0.0122

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Surface Water VOAs Analytes  
 Contact Person: Natalya Usova (206-263-0608)

Site	Sample ID	Date	3-,4-Methylpheno l mixture	Alpha- Terpineol	Benzoic Acid	Phenol
			15831-10-4 (ug/L)	98-55-5 (ug/L)	65-85-0 (ug/L)	108-95-2 (ug/L)
SW-GS1	SGS1210107P	1/7/2021	0.476 U	0.476 U	9.52 U	0.476 U
SW-N4	SN4-210107P	1/7/2021	0.472 U	0.472 U	9.43 U	0.472 U
SW-SL3	SSL3210107P	1/7/2021	0.472 U	0.472 U	9.43 U	0.472 U



Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			1,1,1,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE
			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Site	Sample ID	Date	N	N	N	N	N	N
SW-E1	SE1-210113Q	1/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			1,2,3-TRICHLOROPROPANE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,2-DICHLOROPROPANE	1,4-DICHLOROBENZENE	2-BUTANONE
			96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Site	Sample ID	Date	N	N	N	N	N	N	N	N
SW-E1	SE1-210113Q	1/13/2021	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			2-HEXANONE	4-METHYL-2-PENTANONE	ACETONE	ACRYLONITRILE	ALKALINITY, TOTAL (AS CaCO3)	AMMONIA AS N	ANTIMONY	ANTIMONY	ARSENIC	ARSENIC	BARIUM	BARIUM	BENZENE
			591-78-6	108-10-1	67-64-1	107-13-1	ALK	7664-41-7	7440-36-0	7440-36-0	7440-38-2	7440-38-2	7440-39-3	7440-39-3	71-43-2
			ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l
Site	Sample ID	Date	N	N	N	N	N	N	D	T	D	T	D	T	N
SW-E1	SE1-210113Q	1/13/2021	0.5 U	2.5 U	2.5 U	0.035 U	9.2	0.0026 T	0.0003 U	0.0003 U	0.000168	0.000176	0.00291	0.00334	0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			BERYLLIUM	BERYLLIUM	BROMOCHLOROMETHANE	BROMODICHLOROMETHANE	BROMOFORM	BROMOMETHANE	CADMIUM	CADMIUM	CALCIUM	CALCIUM	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLORIDE
			7440-41-7	7440-41-7	74-97-5	75-27-4	75-25-2	74-83-9	7440-43-9	7440-43-9	7440-70-2	7440-70-2	75-15-0	56-23-5	16887-00-6
			mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	mg/l
Site	Sample ID	Date	D	T	N	N	N	N	D	T	D	T	N	N	N
SW-E1	SE1-210113Q	1/13/2021	0.0001 U	0.0001 U	0.1 U	0.25 U	0.5 U	0.1 U	5E-05 U	5E-05 U	4.04	4.13	0.1 U	0.25 U	1.55

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			CHLOROBENZENE	CHLORODIBROMOMETHANE	CHLOROETHANE	CHLOROFORM	CHLOROMETHANE	CHROMIUM	CHROMIUM	CIS-1,2-DICHLOROETHENE	CIS-1,3-DICHLOROPROPENE	COBALT	COBALT	COPPER	COPPER	DIBROMOMETHANE
			108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	7440-47-3	7440-47-3	156-59-2	10061-01-5	7440-48-4	7440-48-4	7440-50-8	7440-50-8	74-95-3
			ug/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l
			N	N	N	N	N	D	T	N	N	D	T	D	T	N
Site	Sample ID	Date														
SW-E1	SE1-210113Q	1/13/2021	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.0002 U	0.0002 U	0.1 U	0.25 U	5E-05 U	5E-05 U	0.000485	0.00054	0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			DICHLORODIFLUOROMETHANE	ETHYLBENZENE	IRON	IRON	LEAD	LEAD	M & P XYLENE	MAGNESIUM	MAGNESIUM	MANGANESE	MANGANESE	MERCURY	MERCURY	METHYL IODIDE
			75-71-8	100-41-4	7439-89-6	7439-89-6	7439-92-1	7439-92-1	MPX	7439-95-4	7439-95-4	7439-96-5	7439-96-5	7439-97-6	7439-97-6	74-88-4
			ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l
Site	Sample ID	Date	N	N	D	T	D	T	N	D	T	D	T	D	T	N
SW-E1	SE1-210113Q	1/13/2021	0.1 U	0.1 U	0.0253	0.0463	0.0001 U	0.0001 U	0.1 U	0.919	0.922	0.00169	0.00303	5E-05 U	5E-05 U	0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

				METHYLENE CHLORIDE	NICKEL	NICKEL	NITRATE	O-XYLENE	POTASSIUM	POTASSIUM	SELENIUM	SELENIUM	SILVER	SILVER	SODIUM	SODIUM	SPECIFIC CONDUCTANCE
				75-09-2	7440-02-0	7440-02-0	14797-55-8	95-47-6	7440-09-7	7440-09-7	7782-49-2	7782-49-2	7440-22-4	7440-22-4	7440-23-5	7440-23-5	COND
				ug/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	umhos/cm
Site	Sample ID	Date		N	D	T	N	N	D	T	D	T	D	T	D	T	N
SW-E1	SE1-210113Q	1/13/2021		2.5 U	0.00016	0.000188	1.21	0.1 U	0.541	0.546	0.0005 U	0.0005 U	4E-05 U	4E-05 U	2.17	2.18	43.8

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			STYRENE SULFATE	TETRACHLOROETHENE	THALLIUM	THALLIUM	TOLUENE	TOTAL DISSOLVED SOLIDS	TOTAL ORGANIC CARBON	TOTAL SOLIDS	TOTAL SUSPENDED SOLIDS	TRANS-1,2-DICHLOROETHENE	TRANS-1,3-DICHLOROPROPENE	TRANS-1,4-DICHLORO-2-BUTENE	TRICHLOROETHENE
			100-42-5	127-18-4	7440-28-0	7440-28-0	108-88-3	TDS	TOC	TS	TSS	156-60-5	10061-02-6	110-57-6	79-01-6
			ug/l	ug/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l
Site	Sample ID	Date	N	N	D	T	N	N	N	N	N	N	N	N	N
SW-E1	SE1-210113Q	1/13/2021	0.1 U	1.43	0.1 U	0.0001 U	0.0001 U	0.1 U	42.5	3.93	45	0.9 T	0.1 U	0.5 U	5 U



Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			TRICHLOROFLUOROMETHANE	VANADIUM	VANADIUM	VINYL ACETATE	VINYL CHLORIDE	ZINC	ZINC
			75-69-4	7440-62-2	7440-62-2	108-05-4	75-01-4	7440-66-6	7440-66-6
			ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l
Site	Sample ID	Date	N	D	T	N	N	D	T
SW-E1	SE1-210113Q	1/13/2021	0.1 U	0.000468	0.000512	0.1 U	0.01 DU	0.00186	0.00277

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill --- Area 5 Top Deck Surface Water Monitoring Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	DO	pH	Conductance	Temperature	Turbidity	Alkalinity, (Total)	Chemical Oxygen Demand	Chloride	Iron, (Dissolved)	Iron, (Total)	Sulfate	Total Organic Carbon
			(Field) mg/L	(Field) (std. Units)	(Field) (umho/cm)	(Field) (°C)	(Field) (NTU)	(CaCO3) (mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(SO4) (mg/L)	(mg/L)
SW-TD1	3/15/2021	STD1210315-	13.15	7.87	389.9	3.95	8.31	111	7.2 T	2.92	0.0119	0.544	107	3.12

# Washington Department of Ecology

## Electronic Submission Cover Letter



**WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1760740 - 2/11/2021 5:07:51 PM**

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

### Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Thursday February 11 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



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+3Q/2Nmmu8MIx6IYhtQh2TnrH5lh2VQccORsM=



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: Queen City Farms Lake (QCFL)

Monitoring Period: 01/01/2021 - 01/31/2021

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	1/1/21	M	M
1-Sa	1/2/21	M	M
2-Su	1/3/21	M	M
2-M	1/4/21	M	M
2-T	1/5/21	M	M
2-W	1/6/21	M	M
2-Th	1/7/21	M	M
2-F	1/8/21	M	M
2-Sa	1/9/21	M	M
3-Su	1/10/21		M
3-M	1/11/21		M
3-T	1/12/21		M
3-W	1/13/21		M
3-Th	1/14/21		M
3-F	1/15/21	26.1	M
3-Sa	1/16/21		M
4-Su	1/17/21	M	M
4-M	1/18/21	M	M
4-T	1/19/21	M	M
4-W	1/20/21	M	M
4-Th	1/21/21	M	M
4-F	1/22/21	M	M
4-Sa	1/23/21	M	M
5-Su	1/24/21	M	M
5-M	1/25/21	5.62	M
5-T	1/26/21	M	M
5-W	1/27/21	M	M
5-Th	1/28/21	M	M
5-F	1/29/21	M	M
5-Sa	1/30/21		M
6-Su	1/31/21	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		26.1*	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

**Overall DMR Notes/Comment**

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

**Outfall: CHL - Queen City Farms Lake (QCFL)**

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
CHL	Turbidity (Nephelometric) Measured NTU Cedar Hills Regional landfill Environmental Monitoring Report 1st Quarter 2021	Maximum	26.1  B- 39	The SWPPP was reviewed following the turbidity measurement of 26.1; the SWPPP did not need to be updated. Maintenance was performed on the BMPs and turbidity measurements dropped to < 25 ntus.



## BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Other
	2	Check Dams
	2	Other
	3	Check Dams
	3	Other
	4	Check Dams
	4	Other
	5	Check Dams
	5	Other
	6	Check Dams
	6	Other



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: gravel pit lake

Monitoring Period: 01/01/2021 - 01/31/2021

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	1/1/21	M	M
1-Sa	1/2/21	M	M
2-Su	1/3/21	M	M
2-M	1/4/21	M	M
2-T	1/5/21	M	M
2-W	1/6/21	M	M
2-Th	1/7/21	M	M
2-F	1/8/21	M	M
2-Sa	1/9/21	M	M
3-Su	1/10/21		M
3-M	1/11/21		M
3-T	1/12/21		M
3-W	1/13/21		M
3-Th	1/14/21		M
3-F	1/15/21	36.9	M
3-Sa	1/16/21		M
4-Su	1/17/21	M	M
4-M	1/18/21	M	M
4-T	1/19/21	M	M
4-W	1/20/21	M	M
4-Th	1/21/21	M	M
4-F	1/22/21	M	M
4-Sa	1/23/21	M	M
5-Su	1/24/21	M	M
5-M	1/25/21	3.82	M
5-T	1/26/21	M	M
5-W	1/27/21	M	M
5-Th	1/28/21	M	M
5-F	1/29/21	M	M
5-Sa	1/30/21	M	M
6-Su	1/31/21	M	M
Minimum			
			BM: >= 6.5 (RO)
Maximum		36.9*	
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

**Overall DMR Notes/Comment**

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

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

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
C3	Turbidity (Nephelometric) Measured NTU Cedar Hills Regional landfill Environmental Monitoring Report 1st Quarter 2021	Maximum	36.9 B- 41	The SWPPP was reviewed following the turbidity measurement of 36.9; the SWPPP did not need to be updated. Maintenance was performed on the BMPs and turbidity measurements dropped to < 25 ntus.



## BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Gravel Filter Berm
	1	Other
	2	Check Dams
	2	Gravel Filter Berm
	2	Other
	3	Check Dams
	3	Gravel Filter Berm
	3	Other
	4	Check Dams
	4	Gravel Filter Berm
	4	Other
	5	Check Dams
	5	Gravel Filter Berm
	5	Other
	6	Check Dams
	6	Gravel Filter Berm
	6	Other



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: McDonald Creek

Monitoring Period: 01/01/2021 - 01/31/2021

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 Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-F	1/1/21	M	M	M	M
1-Sa	1/2/21	M	M	M	M
2-Su	1/3/21	M	M	M	M
2-M	1/4/21	M	M	M	M
2-T	1/5/21	M	M	M	M
2-W	1/6/21	M	M	M	M
2-Th	1/7/21	M	M	M	M
2-F	1/8/21	M	M	M	M
2-Sa	1/9/21	M	M	M	M
3-Su	1/10/21		M		M
3-M	1/11/21		M		M
3-T	1/12/21		M		M
3-W	1/13/21		M		M
3-Th	1/14/21		M		M
3-F	1/15/21	4.35	M	6.98	M
3-Sa	1/16/21		M		M
4-Su	1/17/21	M	M	M	M
4-M	1/18/21	M	M	M	M
4-T	1/19/21	M	M	M	M
4-W	1/20/21	M	M	M	M
4-Th	1/21/21	M	M	M	M
4-F	1/22/21	M	M	M	M
4-Sa	1/23/21	M	M	M	M
5-Su	1/24/21	M	M	M	M
5-M	1/25/21	M	M	M	M
5-T	1/26/21	M	M	M	M
5-W	1/27/21	M	M	M	M
5-Th	1/28/21	M	M	M	M
5-F	1/29/21	M	M	M	M
5-Sa	1/30/21	M	M	M	M
6-Su	1/31/21	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		4.36	M	6.98	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

**Overall DMR Notes/Comment**

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

**BMPs**

Monitoring Point	Week	BMP
	1	Check Dams
Cedar Hills Regional landfill	1	B- 43
Environmental Monitoring Report	1	
1st Quarter 2021		





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

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

Joan Kenton

Signature

2/11/2021 5:07:53 PM

Date

# Washington Department of Ecology

## Electronic Submission Cover Letter



**WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1764445 - 3/15/2021  
10:33:18 AM**

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

### Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Monday March 15 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



yy06TEw0jhJ+0g85Nx+awMxcEhKT2+EvU3KfyZcaSR5hrSxU86b  
+DFWveMhq849RR4HsIuhUJD7eABIRQ/43feweG5FG1yKAB1CMDq5ml0s=



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: Queen City Farms Lake (QCFL)

Monitoring Period: 02/01/2021 - 02/28/2021

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	2/1/21	M	M
1-T	2/2/21	M	M
1-W	2/3/21	M	M
1-Th	2/4/21	M	M
1-F	2/5/21	M	M
1-Sa	2/6/21	M	M
2-Su	2/7/21	M	M
2-M	2/8/21	M	M
2-T	2/9/21	M	M
2-W	2/10/21	M	M
2-Th	2/11/21	M	M
2-F	2/12/21	M	M
2-Sa	2/13/21	M	M
3-Su	2/14/21		M
3-M	2/15/21		M
3-T	2/16/21	24.2	M
3-W	2/17/21		M
3-Th	2/18/21		M
3-F	2/19/21		M
3-Sa	2/20/21		M
4-Su	2/21/21	M	M
4-M	2/22/21	M	M
4-T	2/23/21	M	M
4-W	2/24/21	M	M
4-Th	2/25/21	M	M
4-F	2/26/21	M	M
4-Sa	2/27/21	M	M
5-Su	2/28/21	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		24.2	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

**Overall DMR Notes/Comment**

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

**BMPs**

Monitoring Point	Week	BMP
	1	Check Dams
	1	Other
	2	Check Dams
	2	Other
	3	Check Dams
	3	Other
Cedar Hills Regional landfill		B- 46
Environmental Monitoring Report		

1st Quarter 2021



	4	Other
	5	Check Dams
	5	Other



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: gravel pit lake

Monitoring Period: 02/01/2021 - 02/28/2021

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	2/1/21	M	M
1-T	2/2/21	M	M
1-W	2/3/21	M	M
1-Th	2/4/21	M	M
1-F	2/5/21	M	M
1-Sa	2/6/21	M	M
2-Su	2/7/21	M	M
2-M	2/8/21	M	M
2-T	2/9/21	M	M
2-W	2/10/21	M	M
2-Th	2/11/21	M	M
2-F	2/12/21	M	M
2-Sa	2/13/21	M	M
3-Su	2/14/21		M
3-M	2/15/21		M
3-T	2/16/21	26.5	M
3-W	2/17/21	31.5	M
3-Th	2/18/21		M
3-F	2/19/21		M
3-Sa	2/20/21		M
4-Su	2/21/21	M	M
4-M	2/22/21	M	M
4-T	2/23/21	M	M
4-W	2/24/21	M	M
4-Th	2/25/21	M	M
4-F	2/26/21	3.48	M
4-Sa	2/27/21	M	M
5-Su	2/28/21	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		31.5*	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

**Overall DMR Notes/Comment**

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

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

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
C3	Turbidity (Nephelometric) Measured NTU	Maximum	31.5	The SWPPP was reviewed following the turbidity measurements of 26.5 and 31.5 ntu; the SWPPP did not need to be updated. Maintenance was performed on the BMPs and turbidity measurements dropped to <25 ntu.

BMPs



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



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: McDonald Creek

Monitoring Period: 02/01/2021 - 02/28/2021

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 Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-M	2/1/21	M	M	M	M
1-T	2/2/21	M	M	M	M
1-W	2/3/21	M	M	M	M
1-Th	2/4/21	M	M	M	M
1-F	2/5/21	M	M	M	M
1-Sa	2/6/21	M	M	M	M
2-Su	2/7/21	M	M	M	M
2-M	2/8/21	M	M	M	M
2-T	2/9/21	M	M	M	M
2-W	2/10/21	M	M	M	M
2-Th	2/11/21	M	M	M	M
2-F	2/12/21	M	M	M	M
2-Sa	2/13/21	M	M	M	M
3-Su	2/14/21		M		M
3-M	2/15/21		M		M
3-T	2/16/21	12.6	M	4.10	M
3-W	2/17/21		M		M
3-Th	2/18/21		M		M
3-F	2/19/21		M		M
3-Sa	2/20/21		M		M
4-Su	2/21/21	M	M	M	M
4-M	2/22/21	M	M	M	M
4-T	2/23/21	M	M	M	M
4-W	2/24/21	M	M	M	M
4-Th	2/25/21	M	M	M	M
4-F	2/26/21	M	M	M	M
4-Sa	2/27/21	M	M	M	M
5-Su	2/28/21	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		12.6	M	4.10	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

**Overall DMR Notes/Comment**

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

**BMPs**

Monitoring Point	Week	BMP
	1	Check Dams
	1	Other
	1	Silt Fence
	2	Check Dams
Cedar Hills Regional landfill		
Environmental Monitoring Report		
1st Quarter 2021		

B- 50



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

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

Joan Kenton

Signature

3/15/2021 10:33:27 AM

Date



# Washington Department of Ecology

## Electronic Submission Cover Letter



**WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1768355 - 4/15/2021 2:29:32 PM**

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

### Attachments:

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



lq75DI5DRIs1FRawrIh683HvK2JVJbVBnO6jbxE1vZLxkfc/kv1KvjXeB1Py2ILZd71wh2F4abiPI0inJ0aLEHZNO7uFjoMrYtC0eI256eY=



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: Queen City Farms Lake (QCFL)

Monitoring Period: 03/01/2021 - 03/31/2021

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-M	3/1/21	M	M
1-T	3/2/21	M	M
1-W	3/3/21	M	M
1-Th	3/4/21	M	M
1-F	3/5/21	M	M
1-Sa	3/6/21	M	M
2-Su	3/7/21		M
2-M	3/8/21		M
2-T	3/9/21		M
2-W	3/10/21		M
2-Th	3/11/21	3.35	M
2-F	3/12/21		M
2-Sa	3/13/21		M
3-Su	3/14/21	M	M
3-M	3/15/21	M	M
3-T	3/16/21	M	M
3-W	3/17/21	M	M
3-Th	3/18/21	M	M
3-F	3/19/21	M	M
3-Sa	3/20/21	M	M
4-Su	3/21/21	M	M
4-M	3/22/21	M	M
4-T	3/23/21	M	M
4-W	3/24/21	M	M
4-Th	3/25/21	M	M
4-F	3/26/21	M	M
4-Sa	3/27/21	M	M
5-Su	3/28/21	M	M
5-M	3/29/21	M	M
5-T	3/30/21	M	M
5-W	3/31/21	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		3.35	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

**Overall DMR Notes/Comment**

Construction activities for 2020 ended November 20, 2020 and the site is currently inactive and temporarily stabilized. In accordance with Section S4.B.3. of the 2021-25 permit, while the site is inactive and temporarily stabilized the inspection frequency will be reduced to once a month. Construction activities are recommencing Spring 2021. King County Solid Waste Division (KCSWD) executed the construction contract for all remaining construction work with Goodfellow Brothers, Inc. in April 2021. Goodfellow are scheduled to begin mobilizing in April and construction work commencing in April - May 2021. KCSWD will be transferring the CSGP to Goodfellow Brothers in accordance with Section S2.A.2 of the permit. The completed Transfer of Coverage Form will be submitted to Ecology by KCSWD sometime the week of April 19-25, 2021. The transfer will comprise the entire site and will go into effect in April. This March 2021 DMR is the last DMR being submitted by KCSWD for this CSGP.

**BMPs**

Monitoring Point	Week	BMP
Cedar Hills Regional Landfill	1	B- 53
Check Dams		

1st Quarter 2021



	2	Check Dams
	3	Check Dams
	4	Check Dams
	5	Check Dams



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: gravel pit lake

Monitoring Period: 03/01/2021 - 03/31/2021

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-M	3/1/21	M	M
1-T	3/2/21	M	M
1-W	3/3/21	M	M
1-Th	3/4/21	M	M
1-F	3/5/21	M	M
1-Sa	3/6/21	M	M
2-Su	3/7/21		M
2-M	3/8/21		M
2-T	3/9/21		M
2-W	3/10/21		M
2-Th	3/11/21	6.65	M
2-F	3/12/21		M
2-Sa	3/13/21		M
3-Su	3/14/21	M	M
3-M	3/15/21	M	M
3-T	3/16/21	M	M
3-W	3/17/21	M	M
3-Th	3/18/21	M	M
3-F	3/19/21	M	M
3-Sa	3/20/21	M	M
4-Su	3/21/21	M	M
4-M	3/22/21	M	M
4-T	3/23/21	M	M
4-W	3/24/21	M	M
4-Th	3/25/21	M	M
4-F	3/26/21	M	M
4-Sa	3/27/21	M	M
5-Su	3/28/21	M	M
5-M	3/29/21	M	M
5-T	3/30/21	M	M
5-W	3/31/21	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum	6.65		M
	BM: <= 25 (RO)	BM: <= 8.5 (RO)	

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

**Overall DMR Notes/Comment**

Construction activities for 2020 ended November 20, 2020 and the site is currently inactive and temporarily stabilized. In accordance with Section S4.B.3. of the 2021-25 permit, while the site is inactive and temporarily stabilized the inspection frequency will be reduced to once a month. Construction activities are recommencing Spring 2021. King County Solid Waste Division (KCSWD) executed the construction contract for all remaining construction work with Goodfellow Brothers, Inc. in April 2021. Goodfellow are scheduled to begin mobilizing in April and construction work commencing in April - May 2021. KCSWD will be transferring the CSGP to Goodfellow Brothers in accordance with Section S2.A.2 of the permit. The completed Transfer of Coverage Form will be submitted to Ecology by KCSWD sometime the week of April 19-25, 2021. The transfer will comprise the entire site and will go into effect in April. This March 2021 DMR is the last DMR being submitted by KCSWD for this CSGP.

**BMPs**

Monitoring Point	Cedar Hills regional landfill	BMP	B-55
Environmental Monitoring Report			
1st Quarter 2021			



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



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: McDonald Creek

Monitoring Period: 03/01/2021 - 03/31/2021

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-M	3/1/21	M	M	M	M
1-T	3/2/21	M	M	M	M
1-W	3/3/21	M	M	M	M
1-Th	3/4/21	M	M	M	M
1-F	3/5/21	M	M	M	M
1-Sa	3/6/21	M	M	M	M
2-Su	3/7/21		M		M
2-M	3/8/21		M		M
2-T	3/9/21		M		M
2-W	3/10/21		M		M
2-Th	3/11/21	2.33	M	3.27	M
2-F	3/12/21		M		M
2-Sa	3/13/21		M		M
3-Su	3/14/21	M	M	M	M
3-M	3/15/21	M	M	M	M
3-T	3/16/21	M	M	M	M
3-W	3/17/21	M	M	M	M
3-Th	3/18/21	M	M	M	M
3-F	3/19/21	M	M	M	M
3-Sa	3/20/21	M	M	M	M
4-Su	3/21/21	M	M	M	M
4-M	3/22/21	M	M	M	M
4-T	3/23/21	M	M	M	M
4-W	3/24/21	M	M	M	M
4-Th	3/25/21	M	M	M	M
4-F	3/26/21	M	M	M	M
4-Sa	3/27/21	M	M	M	M
5-Su	3/28/21	M	M	M	M
5-M	3/29/21	M	M	M	M
5-T	3/30/21	M	M	M	M
5-W	3/31/21	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		2.33	M	3.27	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

**Overall DMR Notes/Comment**

Construction activities for 2020 ended November 20, 2020 and the site is currently inactive and temporarily stabilized. In accordance with Section S4.B.3. of the 2021-25 permit, while the site is inactive and temporarily stabilized the inspection frequency will be reduced to once a month. Construction activities are recommencing Spring 2021. King County Solid Waste Division (KCSWD) executed the construction contract for all remaining construction work with Goodfellow Brothers, Inc. in April 2021. Goodfellow are scheduled to begin mobilizing in April and construction work commencing in April - May 2021. KCSWD will be transferring the CSGP to Goodfellow Brothers in accordance with Section S2.A.2 of the permit. The completed Transfer of Coverage Form will be submitted to Ecology by KCSWD sometime the week of April 19-25, 2021. The transfer will comprise the entire site and will go into effect in April. This March 2021 DMR is the last DMR being submitted by KCSWD for this CSGP.

BMPs

Cedar Hills Regional landfill  
Environmental Monitoring Report  
1st Quarter 2021

B- 57



Monitoring Point	Week	BMP
	1	Check Dams
	1	Other
	1	Silt Fence
	2	Check Dams
	2	Other
	2	Silt Fence
	3	Check Dams
	3	Other
	3	Silt Fence
	4	Check Dams
	4	Other
	4	Silt Fence
	5	Check Dams
	5	Other
	5	Silt Fence

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

Joan Kenton

Signature

4/15/2021 2:29:35 PM

Date

# Washington Department of Ecology

## Electronic Submission Cover Letter



**WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1769237 - 4/26/2021 11:19:29 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 Monday April 26 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



+RwlP6B+syCvU9KvcyZP3etk63YWgLnR0Wy+smq4VBnVLUaF3w1CzfhaAgZ5VUdyL  
+T9WiQD8CHwxIrWeR06RV/JfRQASmbzA9/M4gLXn0=





Permit Number: WAR000756

Permittee: CEDAR HILLS REGIONAL LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 01/01/2021 - 03/31/2021

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
2-Th	1/7/21	A	No	A	<2	1.4	0.121	<0.476	<9.52	<0.476	<0.476	1.89
Minimum												
Average		A		A								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	1.4	0.121	<0.476	<9.52	<0.476	<0.476	1.89
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

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



		pH Standard Units Quarterly Grab
Week	Monitoring Point	
		GS1
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
2-Th	1/7/21	6.83
Minimum		6.83
		>= 6.0 (RO)
Average		
Maximum		6.83
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		



Permit Number: WAR000756

Permittee: CEDAR HILLS REGIONAL LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 01/01/2021 - 03/31/2021

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
2-Th	1/7/21	A	No	17.5	<2	3.1	0.0128	<0.472	<9.43	<0.472	<0.472	42.7
6-W	2/3/21	M	M	9.91	M	M	M	M	M	M	M	M
Minimum												
Average		A		13.705								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	3.1	0.0128	<0.472	<9.43	<0.472	<0.472	42.7
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

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



		PH Standard Units Quarterly Grab
Week	Monitoring Point	
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
2-Th	1/7/21	7.46
6-W	2/3/21	M
Minimum		7.46
		>= 6.0 (RO)
Average		
Maximum		7.46
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

Permit Number: WAR000756
Permittee: CEDAR HILLS REGIONAL LANDFILL

Facility County: King
Receiving Waterbody: Unnamed stream

Monitoring Period: 01/01/2021 - 03/31/2021
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
2-Th	1/7/21	A	No	A	<2	6.8	0.127	<.472	<9.43	<.472	<.472	12.2
Minimum												
Average		A		A								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	6.8	0.127	<.472	<9.43	<.472	<.472	12.2
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

Reporting Codes Used: 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

4/26/2021 11:19:36 AM
Date



		pH Standard Units Quarterly Grab
Week	Monitoring Point	
		SL3
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
2-Th	1/7/21	7.31
Minimum		7.31
		>= 6.0 (RO)
Average		
Maximum		7.31
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

## Leachate Field and Analytical Data





Data Collected from January 1, 2021 to March 31, 2021

Cedar Hills Landfill ---Leachate Field Parameters

Contact Person: Natalya Usova (206-263-0608)

**Leachate Monitoring Activities 1st Quarter 2021**

Station ID	Date	Activity	Sample ID	Comment
LS-46N	1/13/2021	Monthly Characterization Sample	L46N200715M	
LS-46N	2/4/2021	Monthly Characterization Sample	L46N200812M	
LS-46N	3/10/2021	Monthly Characterization Sample	L46N200909M	
LS-A567	1/14/2021	Special Investigation	L567210114I	
LS-A567	2/3/2021	Special Investigation	L567210203I	
LS-A567	3/11/2021	Special Investigation	L567210311I	
LS-A8	1/14/2021	Special Investigation	LA81210114I	
LS-A8	2/3/2021	Special Investigation	LA81210203I	
LS-A8	3/11/2021	Special Investigation	LA81210311I	
LS-BEW	1/6/2021	Special Investigation	LBC-210106I	
LS-CSW	1/14/2021	Special Investigation	LCSW210114I	
FIELD BLANK	1/13/2021	QA/QC Sample	LEPS210113F	
FIELD BLANK	2/3/2021	QA/QC Sample	LEPS210203F	
FIELD BLANK	3/11/2021	QA/QC Sample	LP1A210311F	
LS-LEPS	1/5/2021	Permit	LEPS210105P	
LS-LEPS	1/12/2021	Monthly Characterization Sample	LEPS210112M	
LS-LEPS	1/12/2021	Permit	LEPS210112P	
LS-LEPS	1/20/2021	Permit	LEPS210120P	
LS-LEPS	1/27/2021	Permit	LEPS210126P	
LS-LEPS	1/27/2021	QA/QC Sample	LEPS210126D	
LS-LEPS	2/3/2021	Monthly Characterization Sample	LEPS210208M	
LS-LEPS	2/4/2021	Permit	LEPS210204P	
LS-LEPS	2/9/2021	Permit	LEPS210209P	
LS-LEPS	2/16/2021	Permit	LEPS210216P	
LS-LEPS	2/23/2021	Permit	LEPS210223P	
LS-LEPS	3/2/2021	Permit	LEPS210302P	
LS-LEPS	3/10/2021	Monthly Characterization Sample	LEPS210310M	
LS-LEPS	3/10/2021	Permit	LEPS210310P	
LS-LEPS	3/16/2021	Permit	LEPS210316P	
LS-LEPS	3/23/2021	Permit	LEPS210323P	
LS-LEPS	3/30/2021	Permit	LEPS210330P	
LS-PS1A	1/14/2021	Special Investigation	LP1A210114I	
LS-PS1A	2/3/2021	Special Investigation	LP1A210203I	
LS-PS1A	3/11/2021	Special Investigation	LP1A210311I	
LS-PS2A	1/13/2021	Monthly Characterization Sample	LP2A210113M	
LS-PS2A	2/4/2021	Monthly Characterization Sample	LP2A210204M	
LS-PS2A	3/10/2021	Monthly Characterization Sample	LP2A210310M	
LS-PS4	1/14/2021	Special Investigation	LP4-210114I	
LS-PS4	2/3/2021	Special Investigation	LP4-210203I	
LS-PS4	3/11/2021	Special Investigation	LP4-210311I	

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021

Cedar Hills Landfill ---Leachate Field Parameters

Contact Person: Natalya Usova (206-263-0608)

**Leachate Monitoring Activities 1st Quarter 2021**

Station ID	Date	Activity	Sample ID	Comment
LS-V1A	1/14/2021	Monthly Characterization Sample	LV1A210114M	
LS-V1A	1/26/2021	Resample	LV1A210126R	
LS-V1A	2/4/2021	Monthly Characterization Sample	LV1A210204M	
LS-V1A	3/10/2021	Monthly Characterization Sample	LV1A210310M	

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate Field Parameters  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	pH	Specific Conductance	Temperature
			(Field) (std. Units)	(Field) (umho/cm)	(Field) (°C)
LS-A567	1/14/2021	L567210114I	7.95	18165	31
LS-A567	2/3/2021	L567210203I	8.08	18369	27.6
LS-A567	3/11/2021	L567210311I	8.12	18320	23.3
LS-A81	2/3/2021	LA81210203I	5.88	4245	9.2
LS-A81	3/11/2021	LA81210311I	6.93	18114	5
LS-CSW	1/14/2021	LCSW210114I	7.16	309.7	6.4
LS-LEPS	1/5/2021	LEPS210105P	8	2754	10.3
LS-LEPS	1/12/2021	LEPS210112M	7.7	3039	9.6
LS-LEPS	1/12/2021	LEPS210112P	7.7	3039	9.6
LS-LEPS	1/20/2021	LEPS210120P	6.39	2800	9.3
LS-LEPS	1/26/2021	LEPS210126D	8.27	3377	8.2
LS-LEPS	1/26/2021	LEPS210126P	8.27	3377	8.2
LS-LEPS	2/3/2021	LEPS210203M	7.95	3782	8.8
LS-LEPS	2/4/2021	LEPS210204P	8.3	4360	8.9
LS-LEPS	2/9/2021	LEPS210209P	8.26	3615	8.8
LS-LEPS	2/16/2021	LEPS210216P	8.34	4420	6.7
LS-LEPS	2/23/2021	LEPS210223P	8.18	3960	9.1
LS-LEPS	3/2/2021	LEPS210302P	8.15	4080	10.1
LS-LEPS	3/10/2021	LEPS210310M	8.16	4012	9.9
LS-LEPS	3/10/2021	LEPS210310P	8.16	4012	9.9
LS-LEPS	3/16/2021	LEPS210316P	8.11	4524	10.4
LS-LEPS	3/23/2021	LEPS210323P	8.26	6040	10.7
LS-LEPS	3/30/2021	LEPS210330P	8.2	5176	12
LS-MH46N	1/13/2021	L46N210113M	6.61	7700	24.7
LS-MH46N	2/4/2021	L46N210204M	6.76	4090	27.2
LS-MH46N	3/10/2021	L46N210310M	6.67	9950	25.5
LS-PS4	1/14/2021	LP4-210114I	7.6	728	12.4
LS-PS4	2/3/2021	LP4-210203I	6.83	550	9.8
LS-PS4	3/11/2021	LP4-210311I	7.17	940	10.5
LS-V1A	1/14/2021	LV1A210114M	6.78	3755	11.7
LS-V1A	1/26/2021	LV1A210126R	8.06	1620	5.5
LS-V1A	2/3/2021	LV1A210204M	6.98	4672	10
LS-V1A	3/10/2021	LV1A210310M	8.09	5271	11.1
FIELD BLANK	1/13/2021	LEPS210113F	7.92	20.5	11.7
FIELD BLANK	2/4/2021	LEPS210203F	7.95	3	8.2
FIELD BLANK	3/11/2021	LP1A210311F	8.37	0.6	5.6

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate Conventional Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Alkalinity,	Alkalinity,	Ammonia,	Biological	Chemical	Chloride	Coliforms,	Coliforms,	Cyanide	Fluoride	Nitrate+Nitrite
			Carbonate	Total	(NH3 as N)	Oxygen	Oxygen		Fecal	Total			(NO3+NO2 as N)
			(mg/l)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(CFU/100mL)	(CFU/100mL)	(mg/L)	(mg/L)	(mg/L)
LS-A567	1/14/2021	L567210114I	1 U	6960	1170	1500	4760 S	1730				5 U	0.2 U
LS-A567	2/3/2021	L567210203I	1 U	8170	1680	1810	5160	2140				2 U	0.2 U
LS-A567	3/11/2021	L567210311I	1 U	8290	1690	1820	5240 S	2160				5 U	0.2 U
LS-A81	2/3/2021	LA81210203I	1 U	1710	256	4300	5660	288				20 U	0.01 U
LS-A81	3/11/2021	LA81210311I	1 U	7750	1380	21100	27900 S	1670				100 U	0.05 U
LS-CSW	1/14/2021	LCSW210114I	1 U	108	14.4	6.58	43.3	16.2				0.045 T	0.0548
LS-LEPS	1/12/2021	LEPS210112M		1110	174	529	1180	227	9600	180000	0.0036 T	0.28 T	0.05 U
LS-LEPS	2/3/2021	LEPS210203M		1600	283	900	1940	343	6200	37000	0.008 SU	1 U	0.02 U
LS-LEPS	3/10/2021	LEPS210310M		1710	276	593	1270	361	19000	81000	0.008 SU	0.33 T	0.05 U
LS-MH46N	1/13/2021	L46N210113M		2410	424	48.5	1080	1040	1 U	1 U	0.0091 ST	5 U	0.05 U
LS-MH46N	2/4/2021	L46N210204M		1860	342	34.2	802	759	1 U	120	0.008 SU	0.892	0.05 U
LS-MH46N	3/10/2021	L46N210310M		1960	361	34.9	834	845	1 U	90 CU	0.0084 ST	0.869	0.05 U
LS-PS1A	1/14/2021	LP1A210114I	1 U	39.5	5.8 J	2 U	13 T	5.65				0.044 T	1.48
LS-PS1A	2/3/2021	LP1A210203I	1 U	204	31	14.8	86	56.8				0.08 T	0.761
LS-PS1A	3/11/2021	LP1A210311I	1 U	707	128	38.2	289	218				0.4 U	0.638
LS-PS4	2/3/2021	LP4-210203I	1 U	164	30.1	74.7	195	26.4				0.1 U	0.764
LS-PS4	3/11/2021	LP4-210311I	1 U	386	60.1	110	328	61.7				0.1 U	0.658
LS-V1A	1/14/2021	LV1A210114M		1040	188	653	1140	233	45000	52000	0.0038 ST	5 U	0.918
LS-V1A	1/26/2021	LV1A210126R		1460	269	1420	2330	320	25000 C	76000	0.008 SU	50 U	0.12 T
LS-V1A	2/3/2021	LV1A210204M		2300	433	2190	3280	490	24000 C	86000	0.008 SU	5 U	0.16 T
LS-V1A	3/10/2021	LV1A210310M		3500	701	4110	5740	796	74000	410000	0.011 ST	10 U	0.29 T

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate Conventional Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			Specific	Sulfate	Sulfide	Total	Total	Total	Total	Total	Volatile
			Conductance	(SO4)	Total	Fats, Oils	Kjeldahl	Organic	Suspended	Volatile	Suspended
			(umho/cm)	(mg/L)	(mg/L)	and Grease	Nitrogen	Carbon	Solids	Solids	Solids
Site	Date	Sample ID	(umho/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
LS-A567	1/14/2021	L567210114I	17000	23.9	3.86		1420 S	1250 S	38.7	2520 H	30.7
LS-A567	2/3/2021	L567210203I	20400	22.5	1.06		1660	1590 S	16	3300	12.8
LS-A567	3/11/2021	L567210311I	17300	22.9	1.7 T		1660 S	1640 S	13.8	3470	11.3
LS-A81	2/3/2021	LA81210203I	4680	130	1.15		257	1420	85	2110	38
LS-A81	3/11/2021	LA81210311I	16300	540	1.12		1610 S	9120 S	103	11400	46.7
LS-CSW	1/14/2021	LCSW210114I	309	7.07	0.01 U		15.2	10.8	12	62 H	4.2
LS-LEPS	1/12/2021	LEPS210112M	2980	36.8	0.19 ST	2.6 T	207	179	153	930 H	113
LS-LEPS	2/3/2021	LEPS210203M	4380	33.4	0.28 T	2 U	319	240	108	1170	84.6
LS-LEPS	3/10/2021	LEPS210310M	4300	38.9	0.2 T	1.9 U	328	299	116	1160	98.7
LS-MH46N	1/13/2021	L46N210113M	7750	0.5 U	1.52	2.8 T	463	320	0.5 U	865 H	0.5 U
LS-MH46N	2/4/2021	L46N210204M	5960	0.36 T	1.29	2 U	351	272	0.54 U	710	0.54 U
LS-MH46N	3/10/2021	L46N210310M	6090	2.01	1.21	1.9 U	369	259	0.51 U	816	0.51 U
LS-PS1A	1/14/2021	LP1A210114I	140	6.52	0.011 T		2.51 J	5.24	4.9 J	55.3 H	2.7
LS-PS1A	2/3/2021	LP1A210203I	650	7.74	0.0603		32.3	25.2	6.21	103 B	4.11
LS-PS1A	3/11/2021	LP1A210311I	2140	10	0.0667		135	82.1	12.9	237	10.9
LS-PS4	2/3/2021	LP4-210203I	529	37.6	0.0795		24.8	38.7	57.5	175 B	35.5
LS-PS4	3/11/2021	LP4-210311I	1070	25	0.0477		61.7	64.7	55	232	45
LS-V1A	1/14/2021	LV1A210114M	2990	24.3	0.16 ST	2.2 U	213	293	21.7	580 H	12
LS-V1A	1/26/2021	LV1A210126R	4080	33.4	0.2 T	63.7	289	558	36.6	1060	21.4
LS-V1A	2/3/2021	LV1A210204M	6190	48.7	0.33 T	1.9 U	463	991	37.2	2180	21
LS-V1A	3/10/2021	LV1A210310M	8560	65.4	0.39 T	3.4 T	792	1910 S	123	2910	53

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate Metals Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Aluminum,	Aluminum,	Antimony,	Antimony,	Arsenic,	Arsenic,	Barium,	Barium,
			dissolved (mg/L)	total (mg/L)	dissolved (mg/L)	total (mg/L)	dissolved (mg/L)	total (mg/L)	dissolved (mg/L)	total (mg/L)
LS-A567	1/14/2021	L567210114I	0.354	0.403	0.0116	0.0109	0.202	0.214	0.314	0.371
LS-A567	2/3/2021	L567210203I	0.432	0.464	0.016	0.0159	0.26	0.272	0.339	0.381
LS-A567	3/11/2021	L567210311I	0.413	0.451	0.021	0.0214	0.295	0.299	0.359	0.363
LS-A81	2/3/2021	LA81210203I	0.152	2.44	0.00485	0.00532	0.00781	0.0111	0.121	0.148
LS-A81	3/11/2021	LA81210311I	0.223	0.725	0.0215	0.0238	0.0293	0.0414	0.209	0.377
LS-CSW	1/14/2021	LCSW210114I	0.0495 U	0.378	0.00297 U	0.00296 U	0.00317	0.00344	0.0107	0.0137
LS-LEPS	1/5/2021	LEPS210105P		1.52		0.00536		0.0343		0.0724
LS-LEPS	1/12/2021	LEPS210112M	0.0836		0.00488		0.0314		0.0492	
LS-LEPS	1/12/2021	LEPS210112P		1.49		0.00494		0.0318		0.0643
LS-LEPS	1/20/2021	LEPS210120P		0.911		0.00447		0.0334		0.0831
LS-LEPS	1/26/2021	LEPS210126D		0.891		0.00479		0.0367		0.0695
LS-LEPS	1/26/2021	LEPS210126P		0.649		0.0046		0.0361		0.0666
LS-LEPS	2/3/2021	LEPS210203M	0.122		0.00598		0.0521		0.0694	
LS-LEPS	2/4/2021	LEPS210204P		1.11		0.00598		0.0517		0.0802
LS-LEPS	2/9/2021	LEPS210209P		0.465		0.00537		0.0459		0.0649
LS-LEPS	2/16/2021	LEPS210216P		2.09 J		0.0058		0.0498		0.0824
LS-LEPS	2/23/2021	LEPS210223P		0.67		0.00567		0.0467		0.062
LS-LEPS	3/2/2021	LEPS210302P		1.12		0.00525		0.0427		0.067
LS-LEPS	3/10/2021	LEPS210310M	0.127		0.00647		0.0512		0.0596	
LS-LEPS	3/10/2021	LEPS210310P		1.04		0.00691		0.0535		0.0751
LS-LEPS	3/16/2021	LEPS210316P		0.864		0.0211		0.156		0.0828
LS-LEPS	3/23/2021	LEPS210323P		0.792		0.0235		0.203		0.0815
LS-LEPS	3/30/2021	LEPS210330P		0.869		0.0218		0.17		0.0854
LS-MH46N	1/13/2021	L46N210113M		0.0513 U		0.00308 U		0.0718		0.237
LS-MH46N	2/4/2021	L46N210204M		0.052 U		0.00312 U		0.0597		0.18
LS-MH46N	3/10/2021	L46N210310M		0.0504 U		0.00302 U		0.0657		0.186
LS-PS1A	1/14/2021	LP1A210114I	0.0498 U	0.138	0.00299 U	0.00297 U	0.00197	0.00248	0.0083	0.00882
LS-PS1A	2/3/2021	LP1A210203I	0.0493 U	0.117	0.00296 U	0.00296 U	0.00991	0.0105	0.0201	0.0236
LS-PS1A	3/11/2021	LP1A210311I	0.05 U	0.0818	0.00537	0.00541	0.0316	0.0325	0.0623	0.0643
LS-PS4	2/3/2021	LP4-210203I	0.283	2.03	0.00987	0.0103	0.2	0.195	0.0133	0.0199
LS-PS4	3/11/2021	LP4-210311I	0.0979	1.68	0.023	0.0227	0.224	0.224	0.0231	0.0298
LS-V1A	1/14/2021	LV1A210114M	0.0999	0.422	0.00461	0.00431	0.0369	0.0377	0.0582	0.0647
LS-V1A	1/26/2021	LV1A210126R	0.0932	0.785	0.00628	0.00614	0.0516	0.0545	0.0501	0.0741
LS-V1A	2/3/2021	LV1A210204M	0.156	1.05	0.00715	0.00804	0.0758	0.0806	0.0609	0.105
LS-V1A	3/10/2021	LV1A210310M	0.133	2.46	0.0116	0.0123	0.103	0.11	0.073	0.166

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate Metals Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Beryllium, dissolved (mg/L)	Beryllium, total (mg/L)	Cadmium, dissolved (mg/L)	Cadmium, total (mg/L)	Calcium, dissolved (mg/L)	Calcium, total (mg/L)	Chromium, dissolved (mg/L)	Chromium, total (mg/L)
LS-A567	1/14/2021	L567210114I	0.00103 U	0.001 U	0.000515 U	0.000501 U	57.8	70.2	0.169	0.153
LS-A567	2/3/2021	L567210203I	0.00103 U	0.00101 U	0.000517 U	0.000505 U	61.5	60.1	0.188	0.2
LS-A567	3/11/2021	L567210311I	0.000995 U	0.00099 U	0.000498 U	0.000495 U	57.6	56.9	0.177	0.186
LS-A81	2/3/2021	LA81210203I	0.000992 U	0.000987 U	0.000496 U	0.000494 U	371	401	0.0453	0.0497
LS-A81	3/11/2021	LA81210311I	0.000992 U	0.000987 U	0.000496 U	0.000537	1680	1610	0.145	0.193
LS-CSW	1/14/2021	LCSW210114I	0.00099 U	0.000988 U	0.000495 U	0.000494 U	11.6	12.3	0.00198 U	0.00221
LS-LEPS	1/5/2021	LEPS210105P		0.000994 U		0.000497 U		91.9		0.0319
LS-LEPS	1/12/2021	LEPS210112M	0.000987 U		0.000494 U		84.5		0.0274	
LS-LEPS	1/12/2021	LEPS210112P		0.001 U		0.0005 U		83.8		0.0329
LS-LEPS	1/20/2021	LEPS210120P		0.001 U		0.000501 U		103		0.0313
LS-LEPS	1/26/2021	LEPS210126D		0.000995 U		0.000498 U		79.3		0.0308
LS-LEPS	1/26/2021	LEPS210126P		0.000983 U		0.000492 U		78.1		0.0299
LS-LEPS	2/3/2021	LEPS210203M	0.00101 U		0.000503 U		98.9		0.04	
LS-LEPS	2/4/2021	LEPS210204P		0.000992 U		0.000496 U		98.2		0.0434
LS-LEPS	2/9/2021	LEPS210209P		0.000986 U		0.000493 U		91.6		0.0363
LS-LEPS	2/16/2021	LEPS210216P		0.000999 U		0.0005 U		101		0.0413
LS-LEPS	2/23/2021	LEPS210223P		0.001 U		0.000502 U		95.1		0.0367
LS-LEPS	3/2/2021	LEPS210302P		0.001 U		0.000501 U		103		0.0344
LS-LEPS	3/10/2021	LEPS210310M	0.00101 U		0.000504 U		115		0.0343	
LS-LEPS	3/10/2021	LEPS210310P		0.000988 U		0.000494 U		114		0.0443
LS-LEPS	3/16/2021	LEPS210316P		0.001 U		0.000501 U		120		0.054
LS-LEPS	3/23/2021	LEPS210323P		0.00101 U		0.000503 U		117		0.0562
LS-LEPS	3/30/2021	LEPS210330P		0.000999 U		0.0005 U		123		0.0601
LS-MH46N	1/13/2021	L46N210113M		0.00103 U		0.000513 U		54.3		0.0606
LS-MH46N	2/4/2021	L46N210204M		0.00104 U		0.00052 U		49.2		0.0461
LS-MH46N	3/10/2021	L46N210310M		0.00101 U		0.000504 U		55.6		0.0493
LS-PS1A	1/14/2021	LP1A210114I	0.000996 U	0.00099 U	0.000498 U	0.000495 U	10.1	10.1	0.00199 U	0.00198 U
LS-PS1A	2/3/2021	LP1A210203I	0.000987 U	0.000988 U	0.000493 U	0.000494 U	14.9	16	0.00339	0.00377
LS-PS1A	3/11/2021	LP1A210311I	0.001 U	0.000996 U	0.0005 U	0.000498 U	30	30.3	0.00995	0.0109
LS-PS4	2/3/2021	LP4-210203I	0.000988 U	0.000975 U	0.000494 U	0.000488 U	21.2	22.8	0.00393	0.00652
LS-PS4	3/11/2021	LP4-210311I	0.000999 U	0.000988 U	0.000499 U	0.000494 U	32.8	32.9	0.0117	0.00652
LS-V1A	1/14/2021	LV1A210114M	0.000992 U	0.001 U	0.000496 U	0.000501 U	53.3	53.1	0.0315	0.0298
LS-V1A	1/26/2021	LV1A210126R	0.001 U	0.00101 U	0.000502 U	0.000504 U	89.6	94.1	0.0409	0.0445
LS-V1A	2/3/2021	LV1A210204M	0.00101 U	0.00102 U	0.000503 U	0.000511 U	136	148	0.064	0.0787
LS-V1A	3/10/2021	LV1A210310M	0.00101 U	0.000999 U	0.000503 U	0.000499 U	225	232	0.0805	0.0974

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate Metals Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Cobalt, dissolved (mg/L)	Cobalt, total (mg/L)	Copper, dissolved (mg/L)	Copper, total (mg/L)	Iron, dissolved (mg/L)	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)
LS-A567	1/14/2021	L567210114I	0.0483	0.0476	0.0212	0.0509	2.25	3.59	0.00103 U	0.00171
LS-A567	2/3/2021	L567210203I	0.0546	0.057	0.0167	0.0367	2.77	3.15	0.00189	0.00202
LS-A567	3/11/2021	L567210311I	0.0535	0.0534	0.0231	0.0593	2.72	2.97	0.000995 U	0.0022
LS-A81	2/3/2021	LA81210203I	0.0252	0.0275	0.00198 U	0.0106	39.5	43.3	0.000992 U	0.00293
LS-A81	3/11/2021	LA81210311I	0.0596	0.0662	0.00258	0.0142	22	88.2	0.000992 U	0.00304
LS-CSW	1/14/2021	LCSW210114I	0.000733	0.000856	0.00376	0.00836	0.284	0.782	0.00099 U	0.000988 U
LS-LEPS	1/5/2021	LEPS210105P		0.0107		0.00934		9.08		0.00179
LS-LEPS	1/12/2021	LEPS210112M	0.00912		0.00197 U		3.77		0.000987 U	
LS-LEPS	1/12/2021	LEPS210112P		0.00956		0.0101		7.89		0.00162
LS-LEPS	1/20/2021	LEPS210120P		0.0089		0.00805		8.45		0.0012
LS-LEPS	1/26/2021	LEPS210126D		0.0085		0.00752		6.44		0.00103
LS-LEPS	1/26/2021	LEPS210126P		0.00853		0.00744		6.36		0.00101
LS-LEPS	2/3/2021	LEPS210203M	0.011		0.00204		5.83		0.00101 U	
LS-LEPS	2/4/2021	LEPS210204P		0.0116		0.00992		8.63		0.00155
LS-LEPS	2/9/2021	LEPS210209P		0.0107		0.00507		6.89		0.000986 U
LS-LEPS	2/16/2021	LEPS210216P		0.0116		0.0112		9.67		0.00168
LS-LEPS	2/23/2021	LEPS210223P		0.0111		0.00671		8.86		0.00107
LS-LEPS	3/2/2021	LEPS210302P		0.0103		0.00801		9.51		0.0012
LS-LEPS	3/10/2021	LEPS210310M	0.0105		0.00202 U		5.14		0.00101 U	
LS-LEPS	3/10/2021	LEPS210310P		0.0123		0.00725		9.37		0.00104
LS-LEPS	3/16/2021	LEPS210316P		0.0139		0.00654		10.1		0.00102
LS-LEPS	3/23/2021	LEPS210323P		0.0146		0.00574		9.57		0.00101 U
LS-LEPS	3/30/2021	LEPS210330P		0.0162		0.00677		10.5		0.00107
LS-MH46N	1/13/2021	L46N210113M		0.0214		0.00205 U		1.85		0.00103 U
LS-MH46N	2/4/2021	L46N210204M		0.0167		0.00208 U		2.21		0.00104 U
LS-MH46N	3/10/2021	L46N210310M		0.0167		0.00202 U		1.97		0.00101 U
LS-PS1A	1/14/2021	LP1A210114I	0.000602	0.000652	0.0071	0.00916	0.204	0.762	0.000996 U	0.00099 U
LS-PS1A	2/3/2021	LP1A210203I	0.00172	0.00179	0.00693	0.0101	0.469	1.38	0.000987 U	0.000988 U
LS-PS1A	3/11/2021	LP1A210311I	0.00527	0.00516	0.00305	0.00595	0.592	1.11	0.001 U	0.000996 U
LS-PS4	2/3/2021	LP4-210203I	0.00205	0.00237	0.0045	0.0103	3.89	5.16	0.000988 U	0.000975 U
LS-PS4	3/11/2021	LP4-210311I	0.00239	0.00251	0.00334	0.00467	2.04	4.87	0.000999 U	0.000988 U
LS-V1A	1/14/2021	LV1A210114M	0.00783	0.00768	0.00456	0.00826	2.83	3.75	0.000992 U	0.001 U
LS-V1A	1/26/2021	LV1A210126R	0.0108	0.0115	0.00261	0.00986	4.47	8.44	0.001 U	0.00134
LS-V1A	2/3/2021	LV1A210204M	0.0169	0.0183	0.00296	0.00839	6.49	13.6	0.00101 U	0.00119
LS-V1A	3/10/2021	LV1A210310M	0.0224	0.0245	0.0028	0.0125	5.23	17.2	0.00101 U	0.00229



Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate VOAs Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	1,1,1,2-Tetrachloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,2,3-Trichloro-propane
			630-20-6 (ug/L)	71-55-6 (ug/L)	79-34-5 (ug/L)	79-00-5 (ug/L)	75-34-3 (ug/L)	75-35-4 (ug/L)	563-58-6 (ug/L)	96-18-4 (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-LEPS	2/3/2021	LEPS210203M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-LEPS	3/10/2021	LEPS210310M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	1/13/2021	L46N210113M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	2/4/2021	L46N210204M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	3/10/2021	L46N210310M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	1/14/2021	LV1A210114M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	1/26/2021	LV1A210126R	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	2/3/2021	LV1A210204M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	3/10/2021	LV1A210310M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate VOAs Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	1,2-Dibromo-3-Chloropropane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3 Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2,2-Dichloro-propane	2-Butanone
			96-12-8 (ug/L)	106-93-4 (ug/L)	95-50-1 (ug/L)	107-06-2 (ug/L)	78-87-5 (ug/L)	541-73-1 (ug/L)	142-28-9 (ug/L)	106-46-7 (ug/L)	594-20-7 (ug/L)	78-93-3 (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1780 D
LS-LEPS	2/3/2021	LEPS210203M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2390 D
LS-LEPS	3/10/2021	LEPS210310M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1270 D
LS-MH46N	1/13/2021	L46N210113M	25 U	1 U	2.26	1 U	1 U	1 U	1 U	8.07	1 U	2.5 U
LS-MH46N	2/4/2021	L46N210204M	25 U	1 U	2.07	1 U	1 U	1 U	1 U	7.3	1 U	2.5 U
LS-MH46N	3/10/2021	L46N210310M	25 U	1 U	2.08	1 U	1 U	1 U	1 U	8.24	1 U	2.5 U
LS-V1A	1/14/2021	LV1A210114M	25 U	1 U	1 U	1.17 JT	1 U	1 U	1 U	1 U	1 U	1060 D
LS-V1A	1/26/2021	LV1A210126R	25 U	1 U	1 U	1.55 JT	1 U	1 U	1 U	1 U	1 U	2810 D
LS-V1A	2/3/2021	LV1A210204M	25 U	1 U	1 U	6.33	1 U	1 U	1 U	1.48 JT	1 U	4960 D
LS-V1A	3/10/2021	LV1A210310M	25 U	1 U	1 U	1.85 JT	1 U	1 U	1 U	1 JT	1 U	10200 D
VOA TRIP BLANK	1/12/2021	VTRP210113X	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate VOAs Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	2-Hexanone	2-Methyl-1-propanol	3-Chloro-propene	4-Methyl-2-Pentanone	Acetone	Acetonitrile	Acrolein	Acrylonitrile	Benzene
			591-78-6 (ug/L)	78-83-1 (ug/L)	107-05-1 (ug/L)	108-10-1 (ug/L)	67-64-1 (ug/L)	75-05-8 (ug/L)	107-02-8 (ug/L)	107-13-1 (ug/L)	71-43-2 (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	8.18 JT	60.9 JT	1 U	25 U	2140 D	50 U	25 U	0.35 U	1 U
LS-LEPS	2/3/2021	LEPS210203M	12.8	130	1 U	25 U	4020 D	50 U	25 U	0.35 U	1 U
LS-LEPS	3/10/2021	LEPS210310M	5 U	50 U	1 U	25 U	2430 D	50 U	25 U	0.35 U	1 U
LS-MH46N	1/13/2021	L46N210113M	5 U	50 U	1 U	25 U	34.1 JT	50 U	25 U	0.35 U	3.91
LS-MH46N	2/4/2021	L46N210204M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	3.07
LS-MH46N	3/10/2021	L46N210310M	8.7 JT	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	3.6
LS-V1A	1/14/2021	LV1A210114M	12.1	83.9 JT	1 U	25 U	1520 D	50 U	25 U	0.35 U	1 U
LS-V1A	1/26/2021	LV1A210126R	6.01 JT	139 D	1 U	25 U	3190 D	50 U	25 U	0.35 U	1 U
LS-V1A	2/3/2021	LV1A210204M	9.28 JT	250	1 U	42.7 JT	5130 D	50 U	25 U	0.35 U	1.37 JT
LS-V1A	3/10/2021	LV1A210310M	11.2	294	1 U	55.9	8790 D	50 U	25 U	0.35 U	1 U
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.5 U	5 DU	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U

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 Cedar Hills Landfill ---Leachate VOAs Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Bromochloro- methane	Bromodichloro- methane	Bromoform	Bromo- methane	Carbon Disulfide	Carbon Tetrachloride	Chloro- benzene	Chloro-dibromo- methane	Chloroethane
			74-97-5 (ug/L)	75-27-4 (ug/L)	75-25-2 (ug/L)	74-83-9 (ug/L)	75-15-0 (ug/L)	56-23-5 (ug/L)	108-90-7 (ug/L)	124-48-1 (ug/L)	75-00-3 (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	2/3/2021	LEPS210203M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	3/10/2021	LEPS210310M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-MH46N	1/13/2021	L46N210113M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.14	5 U	1 U
LS-MH46N	2/4/2021	L46N210204M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1.82 JT	5 U	1 U
LS-MH46N	3/10/2021	L46N210310M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2 JT	5 U	1 U
LS-V1A	1/14/2021	LV1A210114M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-V1A	1/26/2021	LV1A210126R	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-V1A	2/3/2021	LV1A210204M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-V1A	3/10/2021	LV1A210310M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U

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Site	Date	Sample ID	Chloroform	Chloro- methane	Chloroprene	cis-1,2-Dichloro- ethene	cis-1,3-Dichloro- propene	Dibromo-methane	Dichloro-difluoro- methane	Ethylbenzene	m & p Xylenes
			67-66-3 (ug/L)	74-87-3 (ug/L)	126-99-8 (ug/L)	156-59-2 (ug/L)	10061-01-5 (ug/L)	74-95-3 (ug/L)	75-71-8 (ug/L)	100-41-4 (ug/L)	mpx (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-LEPS	2/3/2021	LEPS210203M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1.68 JT
LS-LEPS	3/10/2021	LEPS210310M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	16
LS-MH46N	1/13/2021	L46N210113M	1 U	2.5 U	1 U	3.42	2.5 U	1 U	1 U	38.3	52.1
LS-MH46N	2/4/2021	L46N210204M	1 U	2.5 U	1 U	6.49	2.5 U	1 U	1 U	29.6	43.7
LS-MH46N	3/10/2021	L46N210310M	1 U	2.5 U	1 U	4.33	2.5 U	1 U	1 U	38.3	61
LS-V1A	1/14/2021	LV1A210114M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1.27 JT	2.59
LS-V1A	1/26/2021	LV1A210126R	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1.64 JT	3.36
LS-V1A	2/3/2021	LV1A210204M	1 U	2.5 U	1 U	1.66 JT	2.5 U	1 U	1 U	4.17	9.73
LS-V1A	3/10/2021	LV1A210310M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	2.28	20.8
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U

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Site	Date	Sample ID	Methyl Iodide	Methyl Methacrylate	Methylacrylo-nitrile	Methylene Chloride	o-Xylene	Propionitrile	Styrene	Tetrachloro-ethene
			74-88-4 (ug/L)	80-62-6 (ug/L)	126-98-7 (ug/L)	75-09-2 (ug/L)	95-47-6 (ug/L)	107-12-0 (ug/L)	100-42-5 (ug/L)	127-18-4 (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-LEPS	2/3/2021	LEPS210203M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-LEPS	3/10/2021	LEPS210310M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-MH46N	1/13/2021	L46N210113M	1 U	2.5 U	1 U	25 U	2.06	5 U	1.54 JT	1 U
LS-MH46N	2/4/2021	L46N210204M	1 U	2.5 U	1 U	25 U	1.54 JT	5 U	1.49 JT	1 U
LS-MH46N	3/10/2021	L46N210310M	1 U	2.5 U	1 U	26.7 JT	1.85 JT	5 U	1.1 JT	1 U
LS-V1A	1/14/2021	LV1A210114M	1 U	2.5 U	1 U	25 U	1.33 JT	5 U	1 U	1 U
LS-V1A	1/26/2021	LV1A210126R	1 U	2.5 U	1 U	25 U	1.62 JT	5 U	1 U	1 U
LS-V1A	2/3/2021	LV1A210204M	1 U	2.5 U	1 U	25 U	4.83	5 U	1.94 JT	1 U
LS-V1A	3/10/2021	LV1A210310M	1 U	2.5 U	1 U	25 U	2.65	5 U	1 U	1 U
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U

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			Toluene	trans-1,2-Dichloro- ethene	trans-1,3-Dichloro- propene	trans-1,4-Dichloro-2- butene	Trichloro- ethene	Trichloro-fluoro- methane	Vinyl Acetate	Vinyl Chloride
			108-88-3 (ug/L)	156-60-5 (ug/L)	10061-02-6 (ug/L)	110-57-6 (ug/L)	79-01-6 (ug/L)	75-69-4 (ug/L)	108-05-4 (ug/L)	75-01-4 (ug/L)
Site	Date	Sample ID								
LS-LEPS	1/12/2021	LEPS210112M	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 DU
LS-LEPS	2/3/2021	LEPS210203M	7.65	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	3/10/2021	LEPS210310M	1.66 JT	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-MH46N	1/13/2021	L46N210113M	2.22	1 U	5 U	5 U	1 U	1 U	1 U	8.52 D
LS-MH46N	2/4/2021	L46N210204M	2.41	1 U	5 U	5 U	1 U	1 U	1 U	6.48
LS-MH46N	3/10/2021	L46N210310M	3.42	1 U	5 U	5 U	1 U	1 U	1 U	5.7
LS-V1A	1/14/2021	LV1A210114M	7.44	1 U	5 U	5 U	1 U	1 U	1 U	0.112 DJT
LS-V1A	1/26/2021	LV1A210126R	8.07	1 U	5 U	5 U	1 U	1 U	1 U	0.1 DU
LS-V1A	2/3/2021	LV1A210204M	27.8	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-V1A	3/10/2021	LV1A210310M	14.9	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate PCB Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	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
		CAS_RN Sample ID	93-76-5 ug/l	93-72-1 ug/l	94-75-7 ug/l	72-54-8 ug/l	72-55-9 ug/l	50-29-3 ug/l	309-00-2 ug/l	319-84-6 ug/l	5103-71-9 ug/l	12674-11-2 ug/l	11104-28-2 ug/l
LS-LEPS	1/12/2021	LEPS210112M	0.5 U	0.5 U	2.95	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U
LS-LEPS	2/3/2021	LEPS210203M	0.5 U	0.5 U	2.55	0.1 U	0.1 GU	0.1 U	0.1 GU	0.1 U	0.1 U	0.025 U	0.025 U
LS-LEPS	3/10/2021	LEPS210310M	0.5 U	0.5 U	2.09	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.05 U
LS-MH46N	1/13/2021	L46N210113M	0.5 U	1 U	1 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U
LS-MH46N	2/4/2021	L46N210204M	0.5 U	1 U	1.09	0.1 U	0.1 GU	0.1 U	0.1 GU	0.1 U	0.1 U	0.025 U	0.075 U
LS-MH46N	3/10/2021	L46N210310M	0.5 U	0.5 U	1 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.05 U	0.025 GU	0.025 U	0.1 U
LS-V1A	1/14/2021	LV1A210114M	0.5 U	0.5 U	1.42	0.025 HU	0.025 HU	0.025 HU	0.025 HU	0.025 HU	0.025 HU	0.025 U	0.025 U
LS-V1A	1/26/2021	LV1A210126R	0.5 U	0.5 U	2.13	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-V1A	2/3/2021	LV1A210204M	0.5 U	0.5 U	3.59	0.1 U	0.1 GU	0.1 U	0.1 GU	0.1 U	0.1 U	0.025 U	0.025 U
LS-V1A	3/10/2021	LV1A210310M	0.5 U	1 U	3.09	0.025 U	0.05 GU	0.025 U	0.025 U	0.05 U	0.025 GU	0.025 U	0.1 U



Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate PCB Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Chemical_Name	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	BETA BHC	DELTA BHC	DIELDRIN	DINOSEB	ENDOSULFAN I	ENDOSULFAN II
		CAS_RN Sample ID	11141-16-5 ug/l	53469-21-9 ug/l	12672-29-6 ug/l	11097-69-1 ug/l	11096-82-5 ug/l	319-85-7 ug/l	319-86-8 ug/l	60-57-1 ug/l	88-85-7 ug/l	959-98-8 ug/l	33213-65-9 ug/l
LS-LEPS	1/12/2021	LEPS210112M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.5 U	0.025 U	0.025 U
LS-LEPS	2/3/2021	LEPS210203M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U
LS-LEPS	3/10/2021	LEPS210310M	0.025 U	0.0469	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.5 U	0.075 U	0.025 U
LS-MH46N	1/13/2021	L46N210113M	0.025 U	0.149	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.5 U	0.025 U	0.025 U
LS-MH46N	2/4/2021	L46N210204M	0.025 U	0.176	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U
LS-MH46N	3/10/2021	L46N210310M	0.025 U	0.16	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.5 U	0.05 U	0.025 U
LS-V1A	1/14/2021	LV1A210114M	0.025 U	0.0569	0.025 U	0.0322	0.025 U	0.025 GHU	0.025 HU	0.025 HU	0.5 U	0.025 HU	0.025 HU
LS-V1A	1/26/2021	LV1A210126R	0.025 U	0.0583	0.025 U	0.029	0.025 U	0.025 U	0.025 U	0.025 U	0.5 GU	0.025 U	0.025 U
LS-V1A	2/3/2021	LV1A210204M	0.025 U	0.069	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U
LS-V1A	3/10/2021	LV1A210310M	0.025 U	0.0872	0.025 U	0.0321	0.025 U	0.025 GU	0.125 U	0.025 U	0.5 U	0.025 U	0.025 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate PCB Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Chemical_Name	ENDOSULFAN SULFATE	ENDRIN	ENDRIN ALDEHYDE	HEPTACHLOR	HEPTACHLOR EPOXIDE	ISODRIN	LINDANE (GAMMA BHC)	METHOXYCHLOR	Total Aroclors	TOXAPHENE	trans- Chlordane
		CAS_RN Sample ID	1031-07-8 ug/l	72-20-8 ug/l	7421-93-4 ug/l	76-44-8 ug/l	1024-57-3 ug/l	465-73-6 ug/l	58-89-9 ug/l	72-43-5 ug/l	T_AROCLOR ug/l	8001-35-2 ug/l	5103-74-2 ug/l
LS-LEPS	1/12/2021	LEPS210112M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.025 U	2.5 U	0.025 GU
LS-LEPS	2/3/2021	LEPS210203M	0.1 U	0.1 U	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.025 U	10 U	0.1 GU
LS-LEPS	3/10/2021	LEPS210310M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.0469	2.5 U	0.025 GU
LS-MH46N	1/13/2021	L46N210113M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.149	2.5 U	0.025 GU
LS-MH46N	2/4/2021	L46N210204M	0.1 U	0.1 U	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.176	10 U	0.1 GU
LS-MH46N	3/10/2021	L46N210310M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.16	2.5 U	0.025 GU
LS-V1A	1/14/2021	LV1A210114M	0.025 HU	0.025 HU	0.025 GHU	0.025 HU	0.025 HU	0.025 HU	0.05 HU	0.125 HU	0.0891	2.5 HU	0.025 GHU
LS-V1A	1/26/2021	LV1A210126R	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.0873	2.5 U	0.0669
LS-V1A	2/3/2021	LV1A210204M	0.1 U	0.1 U	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.069	10 U	0.1 GU
LS-V1A	3/10/2021	LV1A210310M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.1 U	0.125 U	0.1193	2.5 U	0.025 GU

## Landfill Gas Monitoring Data

## Compliance Probes









**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Compliance Probes**  
**January 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-01D	1/13/2021 12:02	0	0.1	20.2	0	2.19	None
ATC-01S	1/13/2021 12:00	0	0.8	20.1	0	1.35	H2O
ATC-06D	1/13/2021 14:52	0.0	0.9	2.2	0.0	-0.11	None
ATC-06S	1/13/2021 14:51	0.0	0.1	19.5	0.0	-0.04	H2O
ATC-08D	1/13/2021 15:03	0.0	0.9	16.8	0.0	-0.17	None
ATC-08S	1/13/2021 15:01	0	0.3	15.6	0	-2.45	None
GP-11A	1/13/2021 11:46	0	0.9	19.3	0	0	None
GP-11B	1/13/2021 11:47	0.0	0.1	20.1	0.0	-2.87	None
GP-11C	1/13/2021 11:48	0.0	0.1	20.2	0.0	-3.06	None
GP-11D	1/13/2021 11:50	0.0	0.1	20.1	0.0	-0.02	None
GP-12A	1/13/2021 12:15	0	0.1	20.4	0	-1.16	None
GP-12B	1/13/2021 12:16	0	0.1	20.4	0	-0.57	None
GP-12C	1/13/2021 12:17	0.0	0.3	17.0	0.0	-10.45	None
GP-12D	1/13/2021 12:19	0.0	0.8	4.9	0.0	-5.24	None
GP-13A	1/13/2021 12:07	0.0	0.1	20.3	0.0	-0.07	None
GP-13B	1/13/2021 12:09	0	0.1	20.1	0	0.21	None
GP-13C	1/13/2021 12:10	0	0.1	20.3	0	-0.07	None
GP-13D	1/13/2021 12:11	0.0	0.1	20.3	0.0	-5.96	None
GP-14A	1/13/2021 12:26	0.0	0.1	20.1	0.0	-1.79	None
GP-14B	1/13/2021 12:27	0.0	0.1	20.3	0.0	-2.05	None
GP-15A	1/13/2021 12:50	0	0.1	20.3	0	-0.09	None
GP-15C	1/13/2021 12:51	0	0.7	17.5	0	-0.01	None
GP-15D	1/13/2021 12:52	0.0	0.2	20.3	0.0	-2.3	None
GP-16A	1/13/2021 14:55	0.0	0.1	19.3	0.0	-0.03	H2O
GP-16B	1/13/2021 14:57	0.0	0.3	16.2	0.0	-6.24	None
GP-16C	1/13/2021 14:58	0	0.1	19.9	0	-6.59	None
GP-17A	1/13/2021 15:33	0	1.4	11.4	0	-2.85	H2O
GP-17B	1/13/2021 15:34	0.0	0.9	15.9	0.0	-0.05	None
GP-17C	1/13/2021 15:35	0.0	0.1	20.5	0.0	-6.86	None
GP-18A	1/13/2021 15:38	0.0	0.3	20.4	0.0	0.01	H2O
GP-18B	1/13/2021 15:40	0	0.4	13.8	0	0.09	None
GP-18C	1/13/2021 15:41	0	0.3	15.4	0	-6.86	None
GP-19A	1/13/2021 15:46	0.0	0.1	20.4	0.0	0	None
GP-19B	1/13/2021 15:47	0.0	0.7	16.0	0.0	-0.05	None
GP-19C	1/13/2021 15:48	0.0	0.1	20.4	0.0	-0.6	None
GP-20A	1/13/2021 15:51	0	0.1	20.4	0	-2.15	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Compliance Probes**  
**January 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-20B	1/13/2021 15:53	0	0.3	17.3	0	-0.02	None
GP-20C	1/13/2021 15:54	0.0	0.2	2.6	0.0	-0.62	None
GP-21A	1/13/2021 15:57	0.0	0.1	20.1	0.0	-0.03	None
GP-21B	1/13/2021 15:58	0.0	0.2	10.1	0.0	0.04	None
GP-21C	1/13/2021 15:59	0	0.1	13.6	0	2.33	Blocked
GP-22A	1/13/2021 16:03	0	0.6	19.2	0	1.35	None
GP-22C	1/13/2021 16:05	0.0	1.5	1.9	0.0	-5.62	None
GP-23A	1/13/2021 16:09	0.0	0.1	20.1	0.0	-0.03	None
GP-23B	1/13/2021 16:10	0.0	0.1	20.3	0.0	-1.8	None
GP-23C	1/13/2021 16:12	0	0.1	20.3	0	-2	None
GP-24A	1/13/2021 16:15	0	0.1	20.3	0	0.02	None
GP-24B	1/13/2021 16:16	0.0	3.0	14.0	0.0	-0.01	None
GP-25	1/13/2021 16:19	0.0	0.9	17.2	0.0	3.34	Blocked
GP-26	1/13/2021 16:22	0.0	1.0	18.1	0.0	-1.15	None
GP-27	1/13/2021 9:11	0	6.6	10.4	0	-1.36	None
GP-29A	1/13/2021 9:17	0	1.6	18.5	0	0.05	None
GP-29B	1/13/2021 9:18	0.0	0.8	20.2	0.0	2.23	None
GP-30A	1/13/2021 9:30	0.0	1.8	18.2	0.0	-0.02	None
GP-30B	1/13/2021 9:31	0.0	1.1	20.4	0.0	-6.19	None
GP-31A	1/13/2021 9:39	0	0.3	20.7	0	0.63	H2O
GP-31B	1/13/2021 9:40	0	0.4	15.7	0	-2.83	None
GP-31C	1/13/2021 9:41	0.0	0.2	21.3	0.0	-3.73	None
GP-32A	1/13/2021 9:44	0.0	0.6	20.5	0.0	-0.02	None
GP-32B	1/13/2021 9:46	0.0	0.3	21.0	0.0	-0.01	None
GP-32C	1/13/2021 9:47	0	0.5	21	0	-0.03	None
GP-33A	1/13/2021 9:51	0	1.7	19.5	0	8.55	None
GP-33B	1/13/2021 9:52	0.0	0.2	21.6	0.0	-3.84	None
GP-33C	1/13/2021 9:54	0.0	0.3	20.5	0.0	-2.51	None
GP-34A	1/13/2021 9:58	0.0	0.1	20.7	0.0	8.07	H2O
GP-34B	1/13/2021 9:59	0	0.1	20.7	0	-1.07	None
GP-34C	1/13/2021 10:00	0	0.1	20.7	0	-3.7	None
GP-35A	1/13/2021 10:05	0.0	0.2	20.6	0.0	1.32	None
GP-35B	1/13/2021 10:06	0.0	0.1	20.7	0.0	-0.03	None
GP-35C	1/13/2021 10:07	0.0	0.1	20.7	0.0	-0.08	None
GP-36A	1/13/2021 10:10	0	0.1	20.7	0	-0.96	None
GP-36B	1/13/2021 10:12	0	0.3	20.6	0	-0.14	H2O



**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Compliance Probes**  
**January 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 (% Vol)</b>	<b>CO2 (% Vol)</b>	<b>O2 (% Vol)</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-36C	1/13/2021 10:13	0.0	0.3	15.1	0.0	-3.94	None
GP-37A	1/13/2021 10:17	0.0	0.2	16.3	0.0	-0.03	H2O
GP-37B	1/13/2021 10:18	0.0	0.1	20.6	0.0	-0.06	None
GP-37C	1/13/2021 10:20	0	0.7	4.7	0	-4.55	None
GP-39	1/13/2021 10:26	0	1.2	17.7	0	0.88	None
GP-40	1/13/2021 10:32	0.0	0.1	19.8	0.0	-0.02	None
GP-41A	1/13/2021 10:35	0.0	0.1	20.6	0.0	-0.04	None
GP-41B	1/13/2021 10:37	0.0	0.1	20.6	0.0	0.13	None
GP-41C	1/13/2021 10:38	0	0.1	20.6	0	0.04	None
GP-42A	1/13/2021 10:42	0	0.1	20.6	0	-1	None
GP-42B	1/13/2021 10:44	0.0	0.6	17.5	0.0	-4.2	None
GP-43A	1/13/2021 10:48	0.0	0.2	20.2	0.0	0.39	Blocked
GP-43B	1/13/2021 10:50	0.0	0.1	20.5	0.0	-0.07	None
GP-43C	1/13/2021 10:51	0	0.1	19.5	0	-0.54	None
GP-44A	1/13/2021 10:55	0	0.1	20.5	0	-0.05	None
GP-44B	1/13/2021 10:56	0.0	1.0	9.8	0.0	0.5	None
GP-44C	1/13/2021 10:58	0.0	0.1	20.4	0.0	-0.11	None
GP-45D	1/13/2021 11:44	0.0	0.1	20.2	0.0	-3.68	None
GP-45I	1/13/2021 11:43	0	0.1	20.2	0	-0.15	None
GP-45S	1/13/2021 11:42	0	0.1	20.1	0	-0.04	None

# CEDAR HILLS REGIONAL LANDFILL

## Landfill Gas Compliance Probes

### February 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	2/11/2021 12:53	0	0.6	16.2	0		None
ATC-1S	2/11/2021 11:55	0	0.7	21	0	-0.02	H2O
ATC-6D	2/11/2021 13:43	0	1	4	0		None
ATC-6S	2/11/2021 13:42	0	0.2	21	0	0.01	None
ATC-8D	2/11/2021 13:57	0	2.1	12.3	0		None
ATC-8S	2/11/2021 13:55	0	0.5	17.5	0		None
GP-11A	2/11/2021 14:21	0	0.2	21	0		None
GP-11B	2/11/2021 14:22	0	0.2	21	0		None
GP-11C	2/11/2021 14:23	0	0.2	21	0		None
GP-11D	2/11/2021 14:25	0	0.2	21	0		None
GP-12A	2/11/2021 11:39	0	0.2	21	0		None
GP-12B	2/11/2021 11:40	0	0.2	21	0		None
GP-12C	2/11/2021 11:41	0	0.3	18.2	0		None
GP-12D	2/11/2021 11:42	0	0.3	21	0		None
GP-13A	2/11/2021 11:47	0	0.2	21	0		None
GP-13B	2/11/2021 11:48	0	0.2	21	0		None
GP-13C	2/11/2021 11:49	0	0.2	20.8	0		None
GP-13D	2/11/2021 11:50	0	0.2	21	0		None
GP-14A	2/11/2021 13:05	0	0.2	20.8	0		None
GP-14B	2/11/2021 13:06	0	0.2	21	0		None
GP-15A	2/11/2021 13:32	0	0.5	21	0		None
GP-15C	2/11/2021 13:34	0	0.8	18.9	0		None
GP-15D	2/11/2021 13:35	0	0.2	21	0		None
GP-16A	2/11/2021 13:47	0	0.2	21	0	0.02	None
GP-16B	2/11/2021 13:48	0	0.3	20.6	0		None
GP-16C	2/11/2021 13:49	0	0.2	21	0		None
GP-17A	2/11/2021 15:37	0	0.3	20.8	0	-15.42	None
GP-17B	2/11/2021 15:51	0	1.1	17.9	0		None
GP-17C	2/11/2021 15:52	0	0.2	20	0		None
GP-18A	2/11/2021 15:54	0	0.3	20.9	0	-2.6	None
GP-18B	2/11/2021 15:56	0	0.5	17.4	0		None
GP-18C	2/11/2021 15:57	0	0.3	19.7	0		None
GP-19A	2/11/2021 16:00	0	0.3	21	0		None
GP-19B	2/11/2021 16:01	0	0.9	17.1	0		None
GP-19C	2/11/2021 16:03	0	0.2	21	0		None
GP-20A	2/11/2021 16:07	0	0.2	21	0		None
GP-20B	2/11/2021 16:09	0	0.4	19.6	0		None
GP-20C	2/11/2021 16:10	0	0.4	18.7	0		None
GP-21A	2/11/2021 16:12	0	0.3	18.9	0		None

**CEDAR HILLS REGIONAL LANDFILL**

**Landfill Gas Compliance Probes**

**February 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-21B	2/11/2021 16:13	0	0.3	11.2	0		None
GP-21C	2/11/2021 16:14	0	0.2	14.4	0	-0.67	Blocked
GP-22A	2/11/2021 16:19	0	0.8	20.5	0		None
GP-22C	2/11/2021 16:20	0	0.8	10.4	0		None
GP-23A	2/11/2021 16:36	0	0.3	20.1	0		None
GP-23B	2/11/2021 16:37	0	0.2	21	0		None
GP-23C	2/11/2021 16:38	0	0.2	21	0		None
GP-24A	2/11/2021 16:26	0	4.5	13.3	0		None
GP-24B	2/11/2021 16:27	0	2.7	12.7	0		None
GP-25	2/11/2021 16:42	0	2.6	14.9	0	-10.67	None
GP-26	2/11/2021 16:44	0	1.2	18.8	0	0.93	None
GP-27	2/11/2021 16:47	0	7.5	10	0	-0.63	None
GP-29A	2/11/2021 16:51	0	6.5	11.2	0		None
GP-29B	2/11/2021 16:52	0	1.1	19.3	0		None
GP-30A	2/11/2021 9:08	0	2.3	18.2	0		None
GP-30B	2/11/2021 9:09	0	1.5	19.5	0		None
GP-31A	2/11/2021 9:18	0	0.4	21	0	14.98	H2O
GP-31B	2/11/2021 9:19	0	0.7	17.5	0		None
GP-31C	2/11/2021 9:22	0	2.6	16.2	0		None
GP-32A	2/11/2021 9:25	0	0.8	21	0		H2O
GP-32B	2/11/2021 9:27	0	0.5	21	0		None
GP-32C	2/11/2021 9:28	0	0.5	21	0		None
GP-33A	2/11/2021 9:32	0	1.3	21	0		H2O
GP-33B	2/11/2021 9:33	0	0.6	21	0		None
GP-33C	2/11/2021 9:34	0	0.2	21	0		None
GP-34A	2/11/2021 9:38	0	0.3	21	0	26.89	H2O
GP-34B	2/11/2021 9:40	0	0.4	21	0		None
GP-34C	2/11/2021 9:41	0	0.2	21	0		None
GP-35A	2/11/2021 9:43	0	1.3	20.4	0		None
GP-35B	2/11/2021 9:45	0	0.3	21	0		None
GP-35C	2/11/2021 9:46	0	0.2	21	0		None
GP-36A	2/11/2021 9:53	0	0.5	6.2	0		None
GP-36B	2/11/2021 9:53	0	0.4	5.7	0	-5.03	None
GP-36C	2/11/2021 9:55	0	0.8	19.8	0		None
GP-37A	2/11/2021 10:05	0	0.4	13.8	0	-0.03	None
GP-37B	2/11/2021 10:08	0	0.3	21	0		None
GP-37C	2/11/2021 10:09	0	0.7	4.3	0		None
GP-39	2/11/2021 10:18	0	1.1	18.9	0	0.04	None
GP-40	2/11/2021 10:21	0	0.2	20.1	0	0.03	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Compliance Probes**  
**February 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 (% Vol)</b>	<b>CO2 (% Vol)</b>	<b>O2 (% Vol)</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-41A	2/11/2021 10:26	0	0.2	21	0		None
GP-41B	2/11/2021 10:27	0	0.2	20.9	0		None
GP-41C	2/11/2021 10:29	0	0.2	21	0		None
GP-42A	2/11/2021 10:33	0	0.2	21	0		H2O
GP-42B	2/11/2021 10:35	0	0.6	19.6	0		None
GP-43A	2/11/2021 10:45	0	0.2	21	0	0.21	None
GP-43B	2/11/2021 10:46	0	0.2	21	0		None
GP-43C	2/11/2021 10:47	0	0.2	21	0		None
GP-44A	2/11/2021 10:54	0	0.2	21	0		None
GP-44B	2/11/2021 10:55	0	1.1	9.2	0		None
GP-44C	2/11/2021 10:57	0	0.2	21	0		None
GP-45D	2/11/2021 14:53	0	0.3	21	0		None
GP-45I	2/11/2021 14:52	0	0.3	21	0		None
GP-45S	2/11/2021 14:51	0	0.3	21	0		None

**CEDAR HILLS REGIONAL LANDFILL**

**Landfill Gas Compliance Probes**

**March 2021 Monitoring Data**

Location ID	Date/Time	CH4 [% Vol]	CO2 [% Vol]	O2 [% Vol]	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	3/10/2021 9:43	0.0	0.5	16.4	0	-11.6	None
ATC-1S	3/10/2021 9:42	0.0	0.2	20.6	0	-0.04	None
ATC-6D	3/10/2021 11:02	0.0	1.0	1.9	0	2.06	None
ATC-6S	3/10/2021 11:00	0.0	0.2	19.8	0	-0.06	None
ATC-8D	3/10/2021 10:51	0.0	2.6	11.7	0	0.02	None
ATC-8S	3/10/2021 10:50	0.0	0.5	17.3	0	-0.59	None
GP-11A	3/10/2021 9:20	0.0	0.9	19.8	0	0.02	None
GP-11B	3/10/2021 9:21	0.0	0.8	11.4	0	0.03	None
GP-11C	3/10/2021 9:23	0.0	0.3	8.8	0	-0.11	None
GP-11D	3/10/2021 9:24	0.0	0.2	20.6	0	0.34	None
GP-12A	3/10/2021 9:58	0.0	0.2	21.0	0	-0.04	None
GP-12B	3/10/2021 9:59	0.0	0.2	21.0	0	-0.03	None
GP-12C	3/10/2021 10:00	0.0	0.3	18.3	0	-15.6	None
GP-12D	3/10/2021 10:01	0.0	0.7	6.6	0	0.72	None
GP-13A	3/10/2021 9:48	0.0	0.2	20.7	0	-0.08	None
GP-13B	3/10/2021 9:49	0.0	0.2	20.7	0	0.01	None
GP-13C	3/10/2021 9:51	0.0	0.2	20.9	0	0	None
GP-13D	3/10/2021 9:52	0.0	0.2	20.9	0	0.01	None
GP-14A	3/10/2021 10:08	0.0	0.2	18.4	0	-0.02	None
GP-14B	3/10/2021 10:09	0.0	0.2	21.0	0	-0.11	None
GP-15A	3/10/2021 10:35	0.0	0.3	20.3	0	-0.05	None
GP-15C	3/10/2021 10:36	0.0	0.9	16.9	0	-0.04	None
GP-15D	3/10/2021 10:37	0.0	0.2	20.1	0	-1.92	None
GP-16A	3/10/2021 10:54	0.0	0.2	19.6	0	0.04	None
GP-16B	3/10/2021 10:55	0.0	0.3	18.3	0	-0.08	None
GP-16C	3/10/2021 10:57	0.0	0.4	18.3	0	0.15	None
GP-17A	3/10/2021 13:11	0.0	0.2	19.0	0	-10.07	None
GP-17B	3/10/2021 13:12	0.0	0.9	15.5	0	0.19	None
GP-17C	3/10/2021 13:13	0.0	0.2	19.1	0	0.25	None
GP-18A	3/10/2021 13:16	0.0	0.3	19.2	0	-5.69	None
GP-18B	3/10/2021 13:17	0.0	0.4	12.8	0	0.05	None
GP-18C	3/10/2021 13:19	0.0	0.3	15.3	0	0.34	None
GP-19A	3/10/2021 13:22	0.0	0.1	19.7	0	0	None
GP-19B	3/10/2021 13:23	0.0	0.7	14.9	0	0	None
GP-19C	3/10/2021 13:25	0.0	0.1	19.7	0	-0.03	None
GP-20A	3/10/2021 13:28	0.0	0.1	19.9	0	0.76	None
GP-20B	3/10/2021 13:29	0.0	0.4	12.8	0	-0.03	None
GP-20C	3/10/2021 13:30	0.0	0.3	14.6	0	-0.18	None
GP-21A	3/10/2021 13:33	0.0	0.2	19.9	0	-0.11	None
GP-21B	3/10/2021 13:34	0.0	0.2	8.8	0	-0.14	None
GP-21C	3/10/2021 13:35	0.0	0.2	11.4	0	-1.86	None

# CEDAR HILLS REGIONAL LANDFILL

## Landfill Gas Compliance Probes

### March 2021 Monitoring Data

Location ID	Date/Time	CH4 [% Vol]	CO2 [% Vol]	O2 [% Vol]	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-22A	3/10/2021 13:39	0.0	0.3	19.9	0	-13.14	None
GP-22C	3/10/2021 13:40	0.0	0.8	2.5	0	0.38	None
GP-23A	3/10/2021 13:46	0.0	0.1	19.9	0	0.02	None
GP-23B	3/10/2021 13:47	0.0	0.1	20.1	0	-2.82	None
GP-23C	3/10/2021 13:48	0.0	0.1	20.2	0	-1.56	None
GP-24A	3/10/2021 13:54	0.0	4.8	7.8	0	0.04	None
GP-24B	3/10/2021 13:55	0.0	0.6	17.9	0	0.01	None
GP-25	3/10/2021 13:58	0.0	2.2	16.3	0	0.05	None
GP-26	3/10/2021 14:03	0.0	1.0	17.8	0	0.02	None
GP-27	3/10/2021 14:07	0.0	6.6	8.5	0	0.06	None
GP-29A	3/10/2021 14:12	0.0	4.0	12.9	0	0.08	None
GP-29B	3/10/2021 14:14	0.0	0.9	19.5	0	0.06	None
GP-30A	3/10/2021 7:26	0.0	2.3	18.1	0	0.46	None
GP-30B	3/10/2021 7:28	0.0	0.9	19.7	0	-0.62	None
GP-31A	3/10/2021 7:32	0.0	0.2	20.5	0	-16.42	None
GP-31B	3/10/2021 7:34	0.0	0.5	15.2	0	0.59	None
GP-31C	3/10/2021 7:36	0.0	0.3	20.5	0	-2.62	None
GP-32A	3/10/2021 7:39	0.0	0.9	18.9	0	-0.01	None
GP-32B	3/10/2021 7:41	0.0	0.3	20.8	0	-0.02	None
GP-32C	3/10/2021 7:43	0.0	0.4	20.8	0	-0.01	None
GP-33A	3/10/2021 8:01	0.0	0.3	20.2	0	-0.01	None
GP-33B	3/10/2021 8:03	0.0	0.2	20.1	0	0	None
GP-33C	3/10/2021 8:05	0.0	0.2	20.3	0	-0.89	None
GP-34A	3/10/2021 8:07	0.0	0.2	20.3	0	13.8	None
GP-34B	3/10/2021 8:09	0.0	0.5	14.5	0	0.03	None
GP-34C	3/10/2021 8:10	0.0	0.2	11.3	0	0.04	None
GP-35A	3/10/2021 8:14	0.0	2.0	18.7	0	-4.91	None
GP-35B	3/10/2021 8:16	0.0	0.2	20.5	0	-0.05	None
GP-35C	3/10/2021 8:17	0.0	0.2	19.2	0	0.01	None
GP-36A	3/10/2021 8:21	0.0	0.3	17.4	0	0.02	None
GP-36B	3/10/2021 8:22	0.0	0.3	16.0	0	0.01	None
GP-36C	3/10/2021 8:23	0.0	0.7	13.8	0	0.82	None
GP-37A	3/10/2021 8:27	0.0	0.4	15.2	0	-0.6	None
GP-37B	3/10/2021 8:28	0.0	0.3	20.8	0	-0.53	None
GP-37C	3/10/2021 8:30	0.0	0.8	1.8	0	0.55	None
GP-39	3/10/2021 8:39	0.0	1.5	17.4	0	-0.25	None
GP-40	3/10/2021 8:44	0.0	0.2	19.1	0	-0.03	None
GP-41A	3/10/2021 8:48	0.0	0.2	21.0	0	0	None
GP-41B	3/10/2021 8:49	0.0	0.2	21.0	0	0.15	None
GP-41C	3/10/2021 8:50	0.0	0.2	21.0	0	0	None
GP-42A	3/10/2021 8:54	0.0	0.2	21.0	0	-8.14	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Compliance Probes**  
**March 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 [% Vol]</b>	<b>CO2 [% Vol]</b>	<b>O2 [% Vol]</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-42B	3/10/2021 8:55	0.0	0.9	16.7	0	-0.12	None
GP-43A	3/10/2021 8:58	0.0	0.7	16.5	0	-0.91	None
GP-43B	3/10/2021 8:59	0.0	0.2	21.0	0	-0.27	None
GP-43C	3/10/2021 9:01	0.0	0.3	17.7	0	-0.04	None
GP-44A	3/10/2021 9:06	0.0	0.2	21.0	0	-0.1	None
GP-44B	3/10/2021 9:08	0.0	1.1	8.7	0	0.57	None
GP-44C	3/10/2021 9:09	0.0	0.2	21.0	0	-0.06	None
GP-45D	3/10/2021 9:18	0.0	0.2	19.1	0	0.52	None
GP-45I	3/10/2021 9:17	0.0	0.2	17.4	0	0.04	None
GP-45S	3/10/2021 9:16	0.0	0.2	20.6	0	-0.02	None

## Interior Probes





**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**January 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-03D	1/13/2021 12:44	0	2.8	17.9	0	-2.51	H2O
ATC-03S	1/13/2021 12:42	0	1.7	11.8	0	-5.34	None
GP-1A	1/13/2021 23:10	0.0	0.1	21.0	0.0	0.01	None
GP-1B	1/13/2021 23:11	0.0	0.1	21.0	0.0	-0.02	None
GP-2A	1/13/2021 23:28	0.0	1.8	19.0	0.0	-0.01	None
GP-2B	1/13/2021 23:30	0.0	0.2	21.0	0.0	-0.04	None
GP-3	1/13/2021 23:42	0.0	0.4	21.0	0.0	-0.04	None
GP-46D	1/13/2021 23:49	0.0	0.1	21.0	0.0	-5.11	None
GP-46I	1/13/2021 23:47	0.0	0.1	21.0	0.0	1.71	None
GP-46S	1/13/2021 23:46	0.0	0.1	21.0	0.0	0.9	None
GP-47D	1/13/2021 15:25	0.4	0.6	10	8	9.03	None
GP-47I	1/13/2021 15:24	51.9	22.7	0.3	>>>>	-6.73	None
GP-47S	1/13/2021 15:22	0	0.1	20.6	0	-6.89	None
GP-48D	1/13/2021 23:56	0.0	0.1	21.0	0.0	-6.04	None
GP-48I	1/13/2021 23:54	0.0	0.3	20.9	0.0	0.04	None
GP-48S	1/13/2021 23:53	0.0	0.1	21.0	0.0	0.01	None
GP-4A	1/13/2021 23:32	0.0	0.1	21.0	0.0	-0.04	None
GP-4B	1/13/2021 23:34	0.0	0.1	21.0	0.0	-0.01	None
GP-52	1/13/2021 11:15	0.2	0.2	20.1	4	-0.07	Blocked
GP-53	1/13/2021 11:17	0.7	1.2	16.9	14	-0.58	None
GP-54	1/13/2021 11:18	0.2	0.1	20.4	4	-0.18	None
GP-55	1/13/2021 22:59	0.0	0.5	21.0	0.0	-0.48	None
GP-56	1/13/2021 23:00	0.0	0.9	21.0	0.0	0.05	None
GP-57	1/13/2021 22:53	28.8	15.6	8.2	>>>>	-16.2	None
GP-58	1/13/2021 22:55	0.2	21	2	4	21.65	None
GP-59	1/13/2021 22:49	0	0.1	21	0	-2.56	None
GP-5A	1/13/2021 12:32	0	0.4	14.4	0	-5.44	None
GP-5BA	1/13/2021 12:34	0.0	0.5	19.1	0.0	-0.05	None
GP-5BB	1/13/2021 12:35	0.0	0.1	20.4	0.0	-5.44	None
GP-5BC	1/13/2021 12:37	0.0	0.1	20.4	0.0	-5.37	None
GP-5BD	1/13/2021 12:38	0	0.1	20.5	0	-5.82	None
GP-60	1/13/2021 22:51	0	0.1	21	0	0.05	None
GP-61	1/13/2021 22:38	0	0.1	20.8	0	-5.24	None
GP-62	1/13/2021 22:40	1	7.5	11.8	20	0.03	None
GP-6A	1/13/2021 23:14	0	0.1	21	0	-7.08	None
GP-6B	1/13/2021 23:16	0	0.1	21	0	-6.68	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**January 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 (% Vol)</b>	<b>CO2 (% Vol)</b>	<b>O2 (% Vol)</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-6C	1/13/2021 23:17	0	0.1	21	0	-6.62	None
GP-6D	1/13/2021 23:19	0	0.1	21	0	-7.49	None
GP-6E	1/13/2021 23:20	0	0.1	21	0	-6.65	None
GP-6F	1/13/2021 23:22	0	0.1	21	0	-4.65	None
GP-6G	1/13/2021 23:24	0	0.1	21	0	-6.68	None
GP-6H	1/13/2021 23:25	0.0	0.1	21.0	0.0	-7.53	None
GP-7	1/13/2021 23:08	0.0	0.1	21.0	0.0	-7.32	None
GP-8	1/13/2021 23:03	0.0	0.1	21.0	0.0	-7.18	None
GP-9	1/13/2021 22:44	0.0	0.1	21.0	0.0	-7.28	None
GP-B4-1	1/13/2021 23:38	0.0	3.1	17.7	0.0	-7.88	None
GP-B4-2	1/13/2021 23:40	0.0	0.1	21.0	0.0	-5.89	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**February 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	2/11/2021 13:28	0.0	0.2	21.0	0.0	-0.18	None
ATC-3S	2/11/2021 13:27	0.0	1.8	11.7	0.0	-0.06	None
GP-1A	2/10/2021 21:39	0.0	0.1	21.0	0	0.07	None
GP-1B	2/10/2021 21:41	0.0	0.1	21.0	0	0.06	None
GP-2A	2/10/2021 22:05	0.0	2.6	19.5	0	-0.06	None
GP-2B	2/10/2021 22:07	0.0	0.1	21.0	0	-0.05	None
GP-3	2/10/2021 22:29	0.0	0.7	21.0	0	-0.02	None
GP-46D	2/10/2021 22:38	0.0	0.1	21.0	0	-0.73	None
GP-46I	2/10/2021 22:36	0.0	0.1	21.0	0	-0.66	None
GP-46S	2/10/2021 22:34	0.0	0.2	19.8	0	-0.13	None
GP-47D	2/11/2021 14:41	0.0	1.1	17.9	0.0	0.04	None
GP-47I	2/11/2021 14:40	60.3	22.8	0.1	>>>>>	1.16	None
GP-47S	2/11/2021 14:38	0.0	0.4	21.0	0.0	1.20	None
GP-48D	2/10/2021 22:49	0.0	0.1	21.0	0	-1.1	None
GP-48I	2/10/2021 22:48	0.0	0.3	21.0	0	-0.14	None
GP-48S	2/10/2021 22:46	0.0	0.3	20.3	0	-0.09	None
GP-4A	2/10/2021 22:15	0.0	0.1	21.0	0	-0.02	None
GP-4B	2/10/2021 22:17	0.0	0.2	21.0	0	0.01	None
GP-52	2/11/2021 11:14	0.0	0.3	21.0	0.0	-13.70	Blocked
GP-53	2/11/2021 11:16	0.0	1.6	17.1	0.0	0.03	None
GP-54	2/11/2021 11:17	0.0	0.2	21.0	0.0	0.00	None
GP-55	2/10/2021 21:21	0.0	0.2	21.0	0	-0.23	None
GP-56	2/10/2021 21:19	0.0	0.6	21.0	0	-0.01	None
GP-57	2/10/2021 21:13	36.5	17.7	9.8	>>>>	-10.91	None
GP-58	2/10/2021 21:10	0.0	19.5	2.3	0	-14.72	H2O
GP-59	2/10/2021 21:05	0.0	0.1	21.0	0	-0.22	None
GP-5A	2/11/2021 13:15	0.0	0.7	12.9	0.0	-0.13	None
GP-5BA	2/11/2021 13:17	0.0	0.4	20.9	0.0	-16.43	None
GP-5BB	2/11/2021 13:19	0.0	0.2	21.0	0.0	-0.18	None
GP-5BC	2/11/2021 13:20	0.0	0.2	21.0	0.0	-0.12	None
GP-5BD	2/11/2021 13:22	0.0	0.2	21.0	0.0	0.11	None
GP-60	2/10/2021 21:02	0.0	0.1	21.0	0	0.07	None
GP-61	2/10/2021 20:50	0.0	0.1	20.7	0	-0.64	None
GP-62	2/10/2021 20:48	0.0	6.0	16.5	0	0.04	None
GP-6A	2/10/2021 21:48	0.0	0.1	21.0	0	-1.83	None
GP-6B	2/10/2021 21:50	0.0	0.1	21.0	0	-1.13	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**February 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 (% Vol)</b>	<b>CO2 (% Vol)</b>	<b>O2 (% Vol)</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-6C	2/10/2021 21:51	0.0	0.1	21.0	0	-1.15	None
GP-6D	2/10/2021 21:53	0.0	0.1	21.0	0	-1.75	None
GP-6E	2/10/2021 21:55	0.0	0.1	21.0	0	-1.23	None
GP-6F	2/10/2021 21:57	0.0	0.1	21.0	0	-1.24	None
GP-6G	2/10/2021 21:58	0.1	0.1	21.0	2	-1.29	None
GP-6H	2/10/2021 22:00	0.1	0.1	21.0	2	-1.81	None
GP-7	2/10/2021 21:35	0.0	0.1	21.0	0	-1.07	None
GP-8	2/10/2021 21:30	0.0	0.1	21.0	0	-1.26	None
GP-9	2/10/2021 20:57	0.0	0.1	20.8	0	-1.35	None
GP-B4-1	2/10/2021 22:23	0.0	3.2	18.4	0	-1.93	None
GP-B4-2	2/10/2021 22:25	0.0	1.5	16.4	0	-0.94	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**March 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	3/10/2021 10:27	0.0	0.9	20.1	0	-1.81	None
ATC-3S	3/10/2021 10:26	0.0	1.7	9.3	0	-1.32	None
GP-1A	3/10/2021 22:57	0.0	0.2	21.0	0.0	-0.05	None
GP-1B	3/10/2021 22:59	0.0	0.2	21.0	0.0	-0.01	None
GP-2A	3/10/2021 23:49	0.0	4.1	13.7	0.0	0.06	None
GP-2B	3/10/2021 23:51	0.0	0.2	21.0	0.0	0.07	None
GP-3	3/10/2021 23:28	0.0	6.6	10.2	0.0	-0.04	None
GP-46D	3/10/2021 23:34	0.0	0.2	21.0	0.0	-1.60	None
GP-46I	3/10/2021 23:32	16.0	2.0	0.7	>>>>	-0.03	None
GP-46S	3/10/2021 23:31	0.0	0.3	19.6	0.0	0.72	None
GP-47D	3/10/2021 11:19	0.1	1.0	17.3	2	0.01	None
GP-47I	3/10/2021 11:17	58.5	22.5	0.0	>>>>	0.41	None
GP-47S	3/10/2021 11:16	53.2	19.0	0.0	>>>>	0.56	None
GP-48D	3/10/2021 23:42	0.0	0.2	21.0	0.0	-0.80	None
GP-48I	3/10/2021 23:40	0.1	0.3	21.0	2.0	0.01	None
GP-48S	3/10/2021 23:38	0.1	0.6	19.1	2.0	-0.03	None
GP-4A	3/10/2021 23:20	0.0	0.2	21.0	0.0	-0.07	None
GP-4B	3/10/2021 23:22	0.0	0.2	21.0	0.0	-0.06	None
GP-52	3/10/2021 11:25	0.2	0.8	17.0	4	-19.98	None
GP-53	3/10/2021 11:27	0.2	1.2	16.8	4	0.02	None
GP-54	3/10/2021 11:24	0.0	2.5	15.5	0	0.03	None
GP-55	3/10/2021 22:47	0.7	1.1	20.8	14.0	-0.02	None
GP-56	3/10/2021 22:49	0.0	0.4	21.0	0.0	-0.03	None
GP-57	3/10/2021 22:42	28.1	15.0	9.1	>>>>	-11.54	None
GP-58	3/10/2021 22:44	0.1	2.8	20.2	2.0	-13.99	None
GP-59	3/10/2021 22:36	0.0	0.3	21.0	0.0	-0.50	None
GP-5A	3/10/2021 10:16	0.0	0.2	20.7	0	-0.05	None
GP-5BA	3/10/2021 10:18	0.0	0.4	20.1	0	-0.04	None
GP-5BB	3/10/2021 10:19	0.0	1.6	14.0	0	-0.43	None
GP-5BC	3/10/2021 10:21	0.0	1.3	13.8	0	-0.17	None
GP-5BD	3/10/2021 10:22	0.0	0.9	12.4	0	-0.09	None
GP-60	3/10/2021 22:38	0.0	0.2	21.0	0.0	-0.04	None
GP-61	3/10/2021 22:26	0.0	0.2	20.7	0.0	-0.63	None
GP-62	3/10/2021 22:28	0.0	4.2	17.7	0.0	0.02	None
GP-6A	3/10/2021 23:05	0.0	0.2	21.0	0.0	-1.15	None
GP-6B	3/10/2021 23:06	0.0	0.4	21.0	0.0	-1.49	None

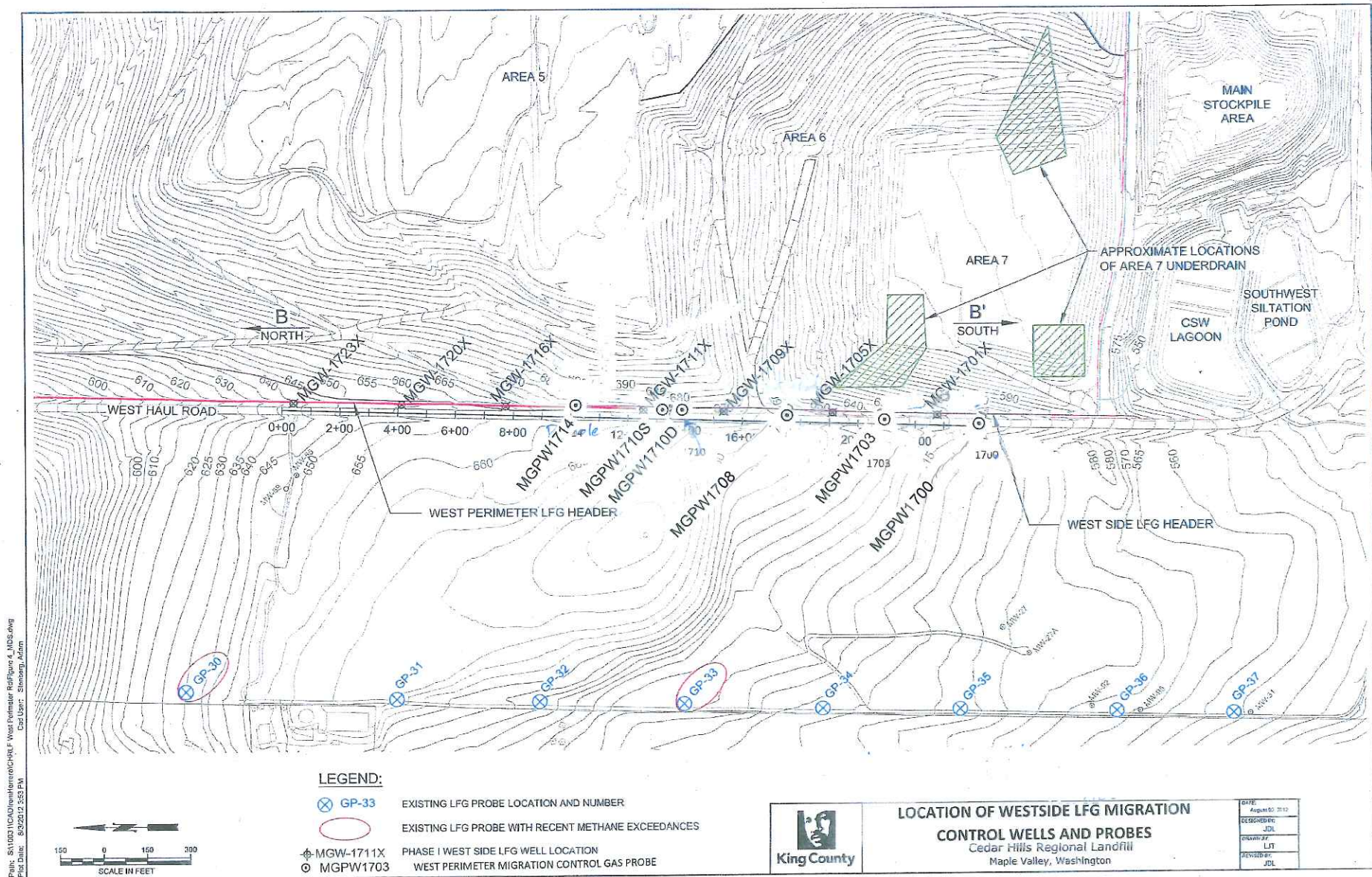
**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**March 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 (% Vol)</b>	<b>CO2 (% Vol)</b>	<b>O2 (% Vol)</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-6C	3/10/2021 23:08	0.0	0.4	20.5	0.0	-1.49	None
GP-6D	3/10/2021 23:09	0.0	0.2	21.0	0.0	-1.96	None
GP-6E	3/10/2021 23:11	0.0	1.0	16.2	0.0	-1.49	None
GP-6F	3/10/2021 23:12	0.0	0.8	17.6	0.0	-1.54	None
GP-6G	3/10/2021 23:14	0.0	0.2	21.0	0.0	-0.84	None
GP-6H	3/10/2021 23:16	0.0	0.2	21.0	0.0	-0.79	None
GP-7	3/10/2021 22:54	0.0	0.2	21.0	0.0	-1.68	None
GP-8	3/10/2021 22:51	0.0	0.2	21.0	0.0	-1.77	None
GP-9	3/10/2021 22:32	0.0	0.4	20.2	0.0	-1.71	None
GP-B4-1	3/10/2021 23:25	0.0	3.0	18.4	0.0	-2.44	None
GP-B4-2	3/10/2021 23:26	0.0	2.4	19.6	0.0	-1.61	None

## Migration Probes







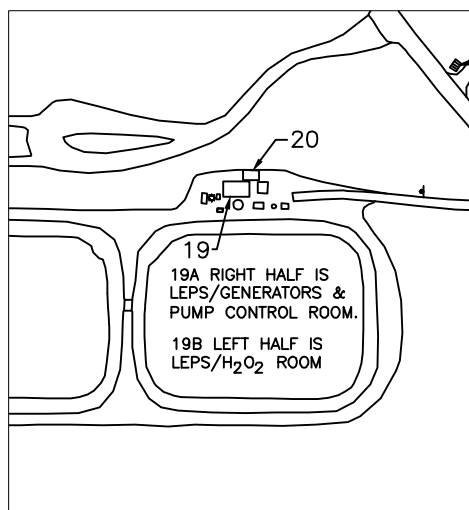
**CEDAR HILLS REGIONAL LANDFILL**  
**West Perimeter Landfill Gas Migration Control Probes**  
**First Quarter 2021 Monitoring Data**

Probe ID	Date	Time	Barometric		CH4 %vol	CO2 %vol	O2 %vol	Static	Comments
			Pressure in Hg					Pressure in INWC	
MGPW 1700	1/10/2021 0:00	12:28pm	30.1		0.0	0.1	21	0	
MGPW 1700	1/23/2021 0:00	12:10pm	30.0		0.0	0.7	19.40	-0.16	
MGPW 1700	2/11/2021 0:00	3:10pm	29.9		0.0	0.2	21.00	0.02	
MGPW 1700	2/24/2021 0:00	5:10pm	30.4		0.0	0.2	21.00	-0.02	
MGPW 1700	3/11/2021 0:00	4:10 PM	30.2		0.0	0.1	20.00	0.03	
MGPW 1700	3/19/2021 0:00	10:56 AM	29.9		0.0	0.2	20.30	-0.12	
MGPW 1708	1/10/2021 0:00	12:41pm	30.1		0.0	0.3	21.00	-1.49	
MGPW 1708	1/23/2021 0:00	12:13pm	30.0		0.0	0.5	19.5	-1.37	
MGPW 1708	2/11/2021 0:00	3:05pm	29.9		0.0	0.2	21	-0.35	
MGPW 1708	2/24/2021 0:00	5:05pm	30.4		0.0	0.2	21	-2.01	
MGPW 1708	3/11/2021 0:00	16:08	30.2		0.0	0.3	19.50	-2.12	
MGPW 1708	3/19/2021 0:00	10:30	29.9		0.0	0.4	19.70	-1.73	
MGPW 1710S	1/10/2021 0:00	12:49pm	30.1		0.0	0.2	20.90	-1.39	
MGPW 1710S	1/23/2021 0:00	12:16pm	30.0		0.0	0.3	20.4	-1.11	
MGPW 1710S	2/11/2021 0:00	2:55pm	29.9		0.0	0.3	21	-0.12	
MGPW 1710S	2/24/2021 0:00	4:59pm	30.4		0.0	0.1	21	-1.74	
MGPW 1710S	3/11/2021 0:00	4:15pm	30.2		0.0	0.1	20.60	-2.24	
MGPW 1710S	3/19/2021 0:00	10:37	29.9		0.0	0.2	20.70	-1.76	
MGPW 1710D	1/10/2021 0:00	12:46pm	30.1		0.0	0.2	20.80	-1.37	
MGPW 1710D	1/23/2021 0:00	12:19pm	30.0		0.0	0.3	20.4	-1.09	
MGPW 1710D	2/11/2021 0:00	3:00pm	29.9		0.0	0.2	21	-0.14	
MGPW 1710D	2/24/2021 0:00	4:55pm	30.4		0.0	0.2	20.9	-2.01	
MGPW 1710D	3/11/2021 0:00	16:20	30.2		0.0	0.2	20.2	-1.99	
MGPW 1710D	3/19/2021 0:00	10:36	29.9		0.0	0.2	20.5	-1.8	
MGPW 1714	1/10/2021 0:00	12:54pm	30.1		0.0	0.2	20.80	-1.47	
MGPW 1714	1/23/2021 0:00	12:22pm	30.0		0.0	0.4	19.90	-1.06	
MGPW 1714	2/11/2021 0:00	2:50pm	29.9		0.0	0.3	20.70	-0.22	
MGPW 1714	2/24/2021 0:00	4:45pm	30.4		0.0	0.2	20.90	-1.99	
MGPW 1714	3/11/2021 0:00	16:25	30.2		0.0	0.2	20.40	-1.96	
MGPW 1714	3/19/2021 0:00	10:42	29.9		0.0	0.3	20.50	-1.82	

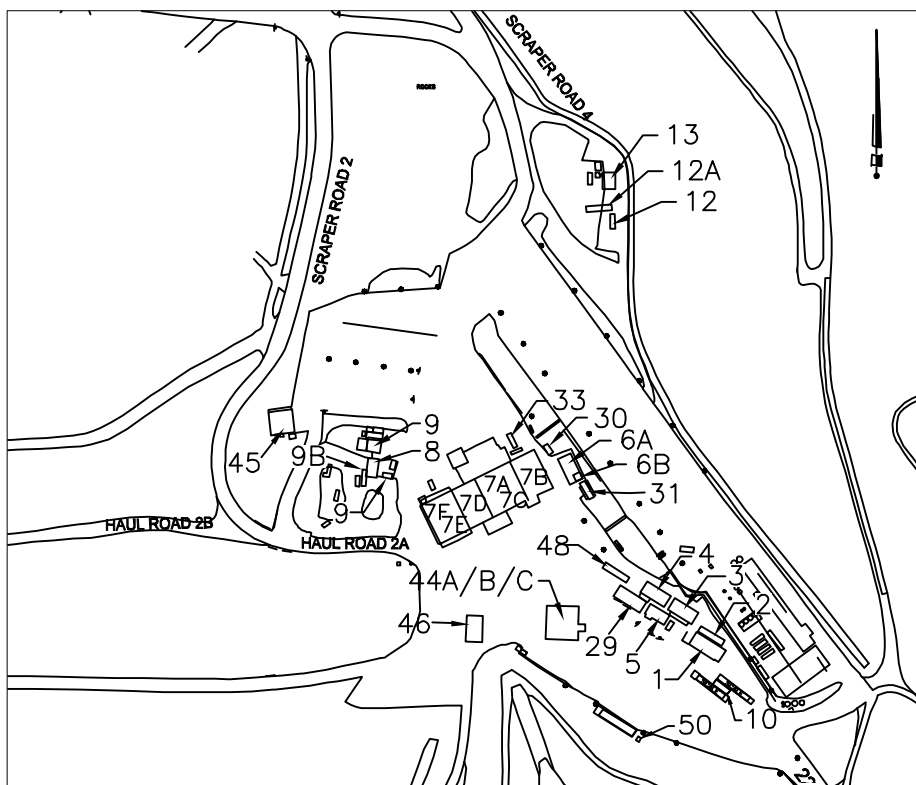
## On-Site Building Monitoring



## Aeration Ponds



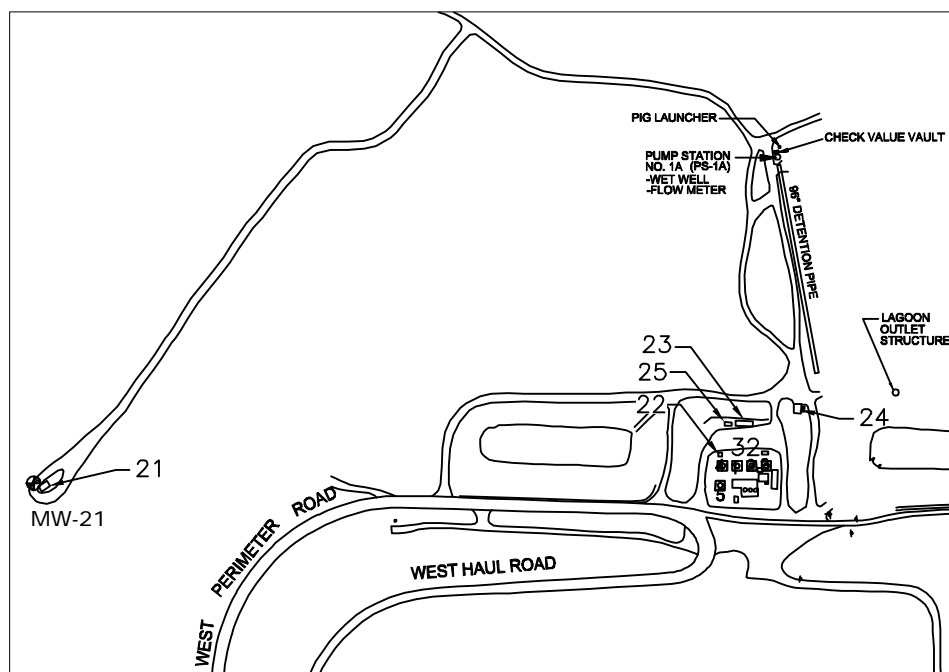
## Shop and Office Buildings



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 <sub>2</sub> O <sub>2</sub> 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  
Department of Environmental Monitoring and Assessment  
1st Quarter 2021

## Landfill Gas Structure Monitoring Location


Environmental Monitoring Building  
Cedar Hills Regional Landfill, King County, Washington

DATE:  
February 2012  
DESIGNED BY:  
DRAWN BY:  
REVISED BY:

PROJECT NO.

FIGURE NO.

# FIRST QUARTER BUILDING MONITORING



INSTRUMENT: Place check by instrument used :

Foxboro TVA 2020

SEM 5000

x

WEATHER:

cloudy

DATE:

01/27/21

TECH:

LD

ENVIS ID	BLDG #	DESCRIPTION	CH <sub>4</sub> (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME
GOC- 01/27/21	1	FRONT OFFICE			29.57	10:45pm
GCR- 01/27/21	2	CONF ROOM				
GAO- 01/27/21	3	PAYROLL OFFICE				
GEO- 01/27/21	4	ENGR. OFFICE				
GLRC- 01/27/21	5	LUNCHROOM				
GSPC 01/27/21		SPOC				
GELO- 01/27/21 A	6A	DRY STORAGE				
GELO- 01/27/21 B	6B	ELECTRICIAN OFFICE				
GAP- 01/27/21		ACCOUNT PAYABLE				
GSO- 01/27/21 A	7A	SHOP OFFICE				
GPR- 01/27/21 B	7B	PARTS ROOM				
GMS- 01/27/21 C	7C	SHOP PIT AREA/BAY				
GTB- 01/27/21 D	7D	SHOP TIRE BAY				
GEW- 01/27/21 E	7E	EAST WELD SHOP				
GWW- 01/27/21 F	7F	WEST WELD SHOP				
GCS- 01/27/21	8	CARPENTER'S				
GSS- 01/27/21	9	WASTEWATER				
GSS- 01/27/21 B	9B	CARPENTER/STORAGE	NA	building removed		
GSH- 01/27/21	10	SCALEHOUSE				
GB13- 01/27/21	13	WW COMPRESSOR				
GB16- 01/27/21	16	GENERATOR				
GB19- 01/27/21	19	LEPS (P.S.# 5)	NA	High Voltage Area		
GB19- 01/27/21 B	19B	LEPS/H2O2 ROOM	NA	High Voltage Area		
GB20- 01/27/21	20	LEPS ELEC PANALS	NA	High Voltage Area		
GB21- 01/27/21	21	STORAGE(OLD PS 1)				
GB22- 01/27/21	22	STORAGE/N FLARE				
GB23- 01/27/21	23	LFGAS				
GB24- 01/27/21	24	NE GENERATOR BLDG				
GBWW- 01/27/21	30	WOMEN BRK RM				
GPWT- 01/27/21	PW	PRESSURE WASH RM				
GBRR- 01/27/21	RR	TRUCKWASH RR W				
GBSS- 01/27/21	SS	TRUCKWASH RR E				
GBZZ- 01/27/21	29	MANAGERS TRAILER				
GBPT- 01/27/21		CCG FASTER				
GCLS- 01/27/21		CHLORINE SHED				

## Data Qualifiers



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

<b>QUAL</b>	<b>QUALIFIER DESCRIPTION</b>
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**

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/1/21 0:00	4.374	167.1	26.42	6.647	29.22	0
1/1/21 0:15	4.206	135.6	18.97	7.167	29.22	0
1/1/21 0:30	4.962	118.9	10.69	7.321	29.22	0
1/1/21 0:45	5.968	124	8.84	7.312	29.22	0
1/1/21 1:00	5.517	137.8	13.1	7.679	29.22	0
1/1/21 1:15	4.818	154	14.14	7.687	29.22	0
1/1/21 1:30	4.99	184.9	21.65	6.941	29.22	0
1/1/21 1:45	3.187	71.7	42.07	6.78	29.22	0
1/1/21 2:00	3.841	51.79	13.51	6.482	29.18	0
1/1/21 2:15	4.038	75.65	29.03	6.595	29.18	0.01
1/1/21 2:30	4.169	140.1	19.78	6.714	29.18	0
1/1/21 2:45	5.406	178.9	18.31	7.039	29.18	0
1/1/21 3:00	5.238	159.7	20.1	6.986	29.17	0
1/1/21 3:15	4.569	132.3	8.52	6.849	29.17	0
1/1/21 3:30	6.63	136.7	8.18	6.735	29.17	0
1/1/21 3:45	7.981	133.1	7.985	6.722	29.17	0.01
1/1/21 4:00	7.848	136.5	7.869	6.674	29.15	0.01
1/1/21 4:15	7.852	135.2	8.92	6.577	29.15	0
1/1/21 4:30	7.604	134.3	9.44	6.671	29.15	0
1/1/21 4:45	7.897	130.1	10.22	6.823	29.15	0.01
1/1/21 5:00	7.408	126.3	10.29	6.887	29.13	0.01
1/1/21 5:15	7.895	131.4	8.97	6.954	29.13	0.01
1/1/21 5:30	8.75	120.4	10.18	6.968	29.13	0
1/1/21 5:45	9.49	115.5	9.39	7.193	29.13	0
1/1/21 6:00	8.46	106	10.31	7.396	29.12	0.01
1/1/21 6:15	9.44	118.7	11.52	7.802	29.12	0
1/1/21 6:30	8.44	129.1	13.25	8.01	29.12	0.01
1/1/21 6:45	7.662	145.9	9.88	7.889	29.12	0
1/1/21 7:00	6.642	128.5	14.51	7.773	29.1	0
1/1/21 7:15	4.901	120.8	12.58	7.795	29.1	0
1/1/21 7:30	5.214	106.1	13.87	7.818	29.1	0
1/1/21 7:45	6.426	102.7	12.85	7.862	29.1	0.01
1/1/21 8:00	5.687	105.7	15.39	8.04	29.08	0
1/1/21 8:15	7.409	131.4	12.68	8.32	29.08	0
1/1/21 8:30	8.17	136.5	13.13	8.53	29.08	0
1/1/21 8:45	8.33	137.4	16.52	8.69	29.08	0
1/1/21 9:00	10.43	134.6	10.95	8.83	29.08	0
1/1/21 9:15	10.2	127.8	9.55	8.84	29.08	0
1/1/21 9:30	10.79	121.1	8.79	9.28	29.08	0
1/1/21 9:45	10.21	132.8	10.57	9.27	29.08	0
1/1/21 10:00	11.04	130.3	9.92	9.03	29.07	0
1/1/21 10:15	11.35	134.4	10.8	9	29.07	0
1/1/21 10:30	11.07	124.8	9.77	9.31	29.07	0
1/1/21 10:45	12.25	123.4	9.24	9.55	29.07	0
1/1/21 11:00	12.17	128.3	9.42	9.31	29.02	0
1/1/21 11:15	12.17	125.5	10.23	9.31	29.02	0
1/1/21 11:30	12.03	131.2	11.75	9.4	29.02	0
1/1/21 11:45	11.28	131.4	10.71	9.64	29.02	0
1/1/21 12:00	9.71	138.3	11.11	9.8	28.98	0
1/1/21 12:15	8.98	139.3	13.02	9.7	28.98	0
1/1/21 12:30	11.27	126.9	10.47	9.94	28.98	0
1/1/21 12:45	11.37	123.4	10.7	10.09	28.98	0
1/1/21 13:00	12.34	120.3	8.93	10.41	28.89	0
1/1/21 13:15	12.32	126.2	10.95	10.59	28.89	0
1/1/21 13:30	13.09	131.1	11.31	10.37	28.89	0
1/1/21 13:45	13.8	122.6	9.38	10.73	28.89	0
1/1/21 14:00	11.93	125.8	9.8	10.93	28.86	0
1/1/21 14:15	12.58	138.3	11.55	10.85	28.86	0
1/1/21 14:30	9.84	139.8	11.22	10.35	28.86	0
1/1/21 14:45	9.66	141.2	10.79	10.23	28.86	0
1/1/21 15:00	7.697	146.8	14.33	9.87	28.86	0
1/1/21 15:15	11.57	213.2	32.05	9.5	28.86	0.01
1/1/21 15:30	11.09	234.7	21.57	9.27	28.86	0.05
1/1/21 15:45	19.77	213	9.31	9.66	28.86	0.04
1/1/21 16:00	15.6	208.1	8.74	9.56	28.92	0.02
1/1/21 16:15	12.54	192.7	10.04	9.46	28.92	0.02
1/1/21 16:30	10.87	181.2	10.98	9.26	28.92	0.02
1/1/21 16:45	11.13	184	10.54	9.13	28.92	0.02
1/1/21 17:00	12.88	188.7	8.55	8.91	28.96	0.02
1/1/21 17:15	11.65	181.7	8.81	8.69	28.96	0.02

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/1/21 17:30	10.41	169.6	8.4	8.57	28.96	0.02
1/1/21 17:45	11.72	164.6	8.36	8.53	28.96	0.01
1/1/21 18:00	11.19	169.8	8.03	8.37	28.96	0.01
1/1/21 18:15	12.2	170.7	8.72	8.24	28.96	0.02
1/1/21 18:30	11.14	178.5	8.88	8.07	28.96	0.02
1/1/21 18:45	10.79	179.8	8.82	7.931	28.96	0.01
1/1/21 19:00	11.71	168.6	7.716	7.937	28.99	0.01
1/1/21 19:15	9.66	170.4	8.7	7.903	28.99	0
1/1/21 19:30	10.4	163.1	11.63	7.972	28.99	0
1/1/21 19:45	8.9	167.5	10.5	7.905	28.99	0
1/1/21 20:00	6.758	142.7	9.62	7.849	29.01	0
1/1/21 20:15	7.335	160.5	13.51	8.02	29.01	0
1/1/21 20:30	7.161	170.7	9.71	7.964	29.01	0.02
1/1/21 20:45	7.385	175.2	9.59	7.926	29.01	0.02
1/1/21 21:00	5.56	171.4	11.02	7.871	29.02	0.02
1/1/21 21:15	5.49	155.4	14.7	7.68	29.02	0
1/1/21 21:30	9.5	150.8	5.958	7.62	29.02	0
1/1/21 21:45	11.27	166.9	10.28	7.926	29.02	0
1/1/21 22:00	10.82	170.3	7.743	7.917	29	0
1/1/21 22:15	9.45	169.3	8.48	7.9	29	0
1/1/21 22:30	9.64	168	6.725	7.887	29	0
1/1/21 22:45	9.01	154.2	8.82	7.777	29	0
1/1/21 23:00	9.74	153.9	7.386	7.899	29.02	0
1/1/21 23:15	9.4	148.8	7.265	7.836	29.02	0
1/1/21 23:30	10.48	150.2	7.519	7.863	29.02	0
1/1/21 23:45	10.26	149	7.418	7.777	29.02	0
1/2/21 0:00	10.39	151.6	8.54	7.839	29.04	0
1/2/21 0:15	10.01	165.4	7.051	7.883	29.04	0
1/2/21 0:30	11.49	165.8	9.88	8.11	29.04	0
1/2/21 0:45	11.67	160.4	8.81	8.06	29.04	0
1/2/21 1:00	11.2	166.8	9.68	8.03	29.04	0
1/2/21 1:15	9.35	168	8.92	7.968	29.04	0
1/2/21 1:30	10.08	170.5	10.56	8.05	29.04	0
1/2/21 1:45	10.59	175.9	6.681	8.15	29.04	0
1/2/21 2:00	10.83	175.6	8.08	8.25	29.04	0
1/2/21 2:15	8.78	169.6	10	8.19	29.04	0
1/2/21 2:30	9.08	163.1	7.975	8.11	29.04	0
1/2/21 2:45	10.53	174.7	8.79	8.2	29.04	0
1/2/21 3:00	11.73	172.8	10.81	8.14	29.04	0
1/2/21 3:15	13.96	174.9	8.87	8.13	29.04	0
1/2/21 3:30	13.55	179.6	8.22	7.874	29.04	0
1/2/21 3:45	12.08	179.6	8.07	7.816	29.04	0
1/2/21 4:00	12.5	172.2	8.93	7.863	29.03	0
1/2/21 4:15	10.72	176.1	8.53	7.835	29.03	0
1/2/21 4:30	11.28	179.1	8.4	7.711	29.03	0.01
1/2/21 4:45	9.68	164	9.63	7.707	29.03	0
1/2/21 5:00	11.86	157.6	7.051	7.946	29.04	0
1/2/21 5:15	12.83	174.1	10.36	8.14	29.04	0
1/2/21 5:30	14.52	177	8.23	8.27	29.04	0
1/2/21 5:45	14.22	177.7	8.75	8.37	29.04	0
1/2/21 6:00	14	174.7	8.45	8.49	29.05	0
1/2/21 6:15	13.42	175.1	7.421	8.64	29.05	0
1/2/21 6:30	11.4	173.4	8.03	8.52	29.05	0
1/2/21 6:45	11.87	168	9.93	8.31	29.05	0.01
1/2/21 7:00	12.01	167.2	9.96	8.02	29.06	0.01
1/2/21 7:15	12.74	159.7	8.31	7.776	29.06	0.01
1/2/21 7:30	10.65	151.2	5.895	7.492	29.06	0.01
1/2/21 7:45	9.3	146.4	4.89	7.284	29.06	0.02
1/2/21 8:00	13.44	155.1	7.131	7.353	29.02	0.01
1/2/21 8:15	16.2	158	6.219	7.201	29.02	0.02
1/2/21 8:30	13.95	155.6	11.61	7.176	29.02	0.01
1/2/21 8:45	13.35	159.9	7.998	7.198	29.02	0.02
1/2/21 9:00	10.45	159	7.374	7.013	29.04	0.01
1/2/21 9:15	9.86	148.5	9.14	6.925	29.04	0.01
1/2/21 9:30	9.85	144.5	7.654	6.985	29.04	0.01
1/2/21 9:45	10.2	147.2	6.419	7.022	29.04	0
1/2/21 10:00	10.34	149.2	6.154	7.078	29.03	0.01
1/2/21 10:15	9.88	148.7	7.132	7.078	29.03	0.01
1/2/21 10:30	9.82	152	8.12	7.031	29.03	0.01
1/2/21 10:45	9.28	153.7	6.2	7.021	29.03	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/2/21 11:00	7.972	141.9	7.832	7.152	28.99	0.02
1/2/21 11:15	10.19	147.1	7.409	7.379	28.99	0.02
1/2/21 11:30	11.08	145.8	7.455	7.446	28.99	0.02
1/2/21 11:45	11.34	145.6	7.126	7.517	28.99	0.02
1/2/21 12:00	11.98	150.1	7.936	7.651	28.95	0
1/2/21 12:15	12.12	156.2	6.888	7.766	28.95	0.01
1/2/21 12:30	13.87	158.1	11.51	7.934	28.95	0.01
1/2/21 12:45	13.18	169	10.64	8.22	28.95	0
1/2/21 13:00	13.65	168.9	9.64	8.23	28.93	0.01
1/2/21 13:15	13.94	169.6	7.931	8.25	28.93	0.01
1/2/21 13:30	13.13	167.8	10.1	8.16	28.93	0.01
1/2/21 13:45	13.06	167.8	9.56	8.27	28.93	0.01
1/2/21 14:00	13.78	167.3	9.09	8.3	28.89	0.01
1/2/21 14:15	14.72	174	8.51	8.25	28.89	0.01
1/2/21 14:30	15.27	176.3	9.21	8.25	28.89	0.01
1/2/21 14:45	16.42	175.5	8.79	8.27	28.89	0.02
1/2/21 15:00	15.92	170.4	8.18	8.16	28.88	0.02
1/2/21 15:15	17.28	166.6	8.57	8.15	28.88	0.03
1/2/21 15:30	16.77	162.2	9.21	8.01	28.88	0.02
1/2/21 15:45	16.08	155.5	6.865	7.83	28.88	0.02
1/2/21 16:00	16.79	157.2	7.467	7.841	28.88	0.02
1/2/21 16:15	18.19	157.5	8.89	7.874	28.88	0.02
1/2/21 16:30	18.95	155.1	7.716	7.803	28.88	0.03
1/2/21 16:45	17.49	153.3	7.801	7.774	28.88	0.02
1/2/21 17:00	16.17	151.7	9.12	7.754	28.87	0.02
1/2/21 17:15	15.46	152.4	8.13	7.681	28.87	0.01
1/2/21 17:30	16.01	157.4	9.25	7.77	28.87	0.02
1/2/21 17:45	15.17	158.8	8.33	7.737	28.87	0.02
1/2/21 18:00	15.25	156.9	7.595	7.736	28.82	0.02
1/2/21 18:15	15.23	154.5	8.85	7.713	28.82	0.02
1/2/21 18:30	16.48	148.7	8.7	7.745	28.82	0.02
1/2/21 18:45	16.99	152.2	8.76	7.804	28.82	0.02
1/2/21 19:00	17.91	154.6	8.44	7.863	28.81	0.01
1/2/21 19:15	17.47	157.9	7.314	7.92	28.81	0.02
1/2/21 19:30	16.53	166.7	9.31	7.995	28.81	0.02
1/2/21 19:45	12.8	168.7	9.13	7.808	28.81	0.04
1/2/21 20:00	13.57	173.1	9.94	7.801	28.83	0.03
1/2/21 20:15	14.67	170.7	11.2	7.758	28.83	0.02
1/2/21 20:30	15.09	154.4	9.21	7.644	28.83	0.02
1/2/21 20:45	14.35	151.8	11.6	7.589	28.83	0.02
1/2/21 21:00	9.24	242.5	18.1	7.513	28.83	0.05
1/2/21 21:15	8.9	225.3	10.98	7.581	28.83	0.05
1/2/21 21:30	7.601	221.1	21.56	7.32	28.83	0.04
1/2/21 21:45	7.134	224.1	17.15	7.083	28.83	0.03
1/2/21 22:00	6.208	237	10.59	6.894	28.83	0.04
1/2/21 22:15	5.903	239.7	11.21	6.7	28.83	0.05
1/2/21 22:30	4.369	235.9	8.26	6.532	28.83	0.04
1/2/21 22:45	3.273	247.5	11.91	6.412	28.83	0.04
1/2/21 23:00	1.947	265	22.18	6.337	28.87	0.04
1/2/21 23:15	4.152	28.02	46.35	5.805	28.87	0.05
1/2/21 23:30	8.85	15.26	28.06	4.309	28.87	0.07
1/2/21 23:45	11.22	18.74	12.77	2.741	28.87	0.05
1/3/21 0:00	12.61	25.07	10.21	2.253	28.87	0.06
1/3/21 0:15	11.01	28.46	12.51	2.027	28.87	0.05
1/3/21 0:30	8.43	31.7	11.79	1.832	28.87	0.05
1/3/21 0:45	6.464	48	11.49	1.932	28.87	0.03
1/3/21 1:00	4.251	76.11	20.17	2.138	28.9	0.04
1/3/21 1:15	4.11	79.63	31.13	2.184	28.9	0.04
1/3/21 1:30	3.217	26.95	14.78	1.793	28.9	0.03
1/3/21 1:45	3.583	107.2	28.48	1.893	28.9	0.03
1/3/21 2:00	4.962	121.2	13.79	2.089	28.93	0.02
1/3/21 2:15	7.686	130.8	9.75	2.183	28.93	0.01
1/3/21 2:30	9.71	126.1	7.142	2.05	28.93	0
1/3/21 2:45	4.709	104	36.25	2.028	28.93	0
1/3/21 3:00	9.59	149	8.09	1.932	28.96	0
1/3/21 3:15	4.748	130.4	15.14	1.933	28.96	0
1/3/21 3:30	3.699	106	10.35	2.037	28.96	0
1/3/21 3:45	3.836	102.9	8.19	2.124	28.96	0
1/3/21 4:00	4.149	102.8	8.06	2.235	29	0
1/3/21 4:15	4.236	118.7	9.63	2.546	29	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/3/21 4:30	4.92	118.5	7.652	2.825	29	0
1/3/21 4:45	6.738	119.1	9.56	3.101	29	0
1/3/21 5:00	6.998	138.8	10.87	3.193	29.04	0
1/3/21 5:15	5.59	151.2	17.77	3.168	29.04	0
1/3/21 5:30	6.456	139.1	8.03	3.336	29.04	0
1/3/21 5:45	6.635	138.2	8.79	3.317	29.04	0
1/3/21 6:00	6.331	129.1	8.39	3.325	29.07	0
1/3/21 6:15	7.274	146.2	10.1	3.376	29.07	0
1/3/21 6:30	6.897	142	11.21	3.395	29.07	0
1/3/21 6:45	6.188	138.4	8.31	3.599	29.07	0
1/3/21 7:00	5.767	137.1	9.94	3.733	29.07	0.01
1/3/21 7:15	3.824	128.8	14.84	3.774	29.07	0.01
1/3/21 7:30	5.062	116.4	8.57	3.645	29.07	0.01
1/3/21 7:45	6.647	127.2	9.08	3.854	29.07	0
1/3/21 8:00	7.207	131	7.77	4.194	29.07	0
1/3/21 8:15	8.21	137.2	8.54	4.392	29.07	0
1/3/21 8:30	8.68	135.1	8.66	4.609	29.07	0
1/3/21 8:45	8.6	141	9.49	4.852	29.07	0
1/3/21 9:00	8.59	145.9	11.13	4.934	29.09	0.01
1/3/21 9:15	10.57	154.9	7.971	4.974	29.09	0.02
1/3/21 9:30	10.29	157.9	9.12	4.997	29.09	0.01
1/3/21 9:45	9.36	161.3	10.84	4.972	29.09	0.02
1/3/21 10:00	8.01	169.7	9.31	4.929	29.13	0.03
1/3/21 10:15	7.204	171.7	12.45	5.08	29.13	0.02
1/3/21 10:30	6.987	171.2	13.42	5.084	29.13	0.04
1/3/21 10:45	6.395	162.3	20.54	5.215	29.13	0.02
1/3/21 11:00	5.913	171.8	8.07	5.311	29.17	0.03
1/3/21 11:15	4.813	147.3	11.57	5.282	29.17	0
1/3/21 11:30	7.85	155.6	7.869	5.395	29.17	0.01
1/3/21 11:45	9.58	163.5	10.37	5.399	29.17	0
1/3/21 12:00	10.45	153.1	8.04	5.604	29.15	0
1/3/21 12:15	9.9	153.9	8.57	5.929	29.15	0
1/3/21 12:30	10.1	160.2	11.57	5.954	29.15	0
1/3/21 12:45	11.24	181	15.21	6.071	29.15	0
1/3/21 13:00	12.72	207.4	10.74	6.263	29.16	0.01
1/3/21 13:15	11.05	205.8	10.36	6.124	29.16	0.01
1/3/21 13:30	11.71	179.4	9.95	6.067	29.16	0
1/3/21 13:45	10.37	154.8	9.56	6.318	29.16	0.01
1/3/21 14:00	10.79	149.8	7.257	6.475	29.17	0
1/3/21 14:15	11.04	150.4	7.544	6.489	29.17	0
1/3/21 14:30	11.77	157.1	7.304	6.484	29.17	0
1/3/21 14:45	10.78	157.7	7.755	6.463	29.17	0
1/3/21 15:00	8.99	143.7	10.41	6.502	29.19	0
1/3/21 15:15	6.964	126.9	10.42	6.43	29.19	0
1/3/21 15:30	9.11	131.7	9.71	6.466	29.19	0
1/3/21 15:45	8.28	139.1	9.32	6.499	29.19	0
1/3/21 16:00	7.968	141.7	7.925	6.4	29.17	0.01
1/3/21 16:15	5.737	118.1	16.05	6.292	29.17	0.01
1/3/21 16:30	7.039	114.3	10.82	6.281	29.17	0
1/3/21 16:45	7.569	134.7	10.96	6.447	29.17	0
1/3/21 17:00	3.797	90.9	20.22	6.296	29.18	0
1/3/21 17:15	3.818	74.51	11.3	6.262	29.18	0
1/3/21 17:30	4.738	86.8	10.02	6.363	29.18	0
1/3/21 17:45	4.233	88.8	5.901	6.397	29.18	0
1/3/21 18:00	2.622	90.6	5.074	6.289	29.14	0
1/3/21 18:15	2.305	57.41	13.98	6.226	29.14	0
1/3/21 18:30	1.987	47.42	9.89	5.855	29.14	0
1/3/21 18:45	2.867	56.15	5.152	5.512	29.14	0
1/3/21 19:00	3.047	56.46	6.284	5.451	29.13	0
1/3/21 19:15	1.839	50.9	10.82	5.232	29.13	0
1/3/21 19:30	2.466	82.5	9.46	5.149	29.13	0
1/3/21 19:45	3.334	57.38	9.46	5.257	29.13	0
1/3/21 20:00	3.134	78.18	14.37	5.149	29.09	0
1/3/21 20:15	2.58	68.85	10.97	4.878	29.09	0
1/3/21 20:30	2.928	98.6	14.4	4.665	29.09	0.01
1/3/21 20:45	4.273	118.7	13.22	4.684	29.09	0
1/3/21 21:00	4.629	125.8	10.01	5.767	29.04	0
1/3/21 21:15	4.688	126.1	19.19	5.91	29.04	0
1/3/21 21:30	7.282	116.4	15.26	6.121	29.04	0
1/3/21 21:45	5.266	133.4	15.1	6.492	29.04	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/3/21 22:00	5.672	128.7	16.18	6.732	29.02	0
1/3/21 22:15	5.702	124.9	17.1	6.8	29.02	0
1/3/21 22:30	6.054	133.1	19.43	7.18	29.02	0
1/3/21 22:45	8.1	150	24.48	7.098	29.02	0
1/3/21 23:00	7.675	161.8	15.36	6.547	29.03	0.02
1/3/21 23:15	7.493	159.9	17.78	6.273	29.03	0.02
1/3/21 23:30	7.411	125.5	16.13	6.028	29.03	0.02
1/3/21 23:45	9.48	116.9	15.09	6.01	29.03	0.02
1/4/21 0:00	11.4	108.2	8.96	6.17	28.97	0.02
1/4/21 0:15	13.39	119.1	9.99	6.553	28.97	0.02
1/4/21 0:30	15.76	119.4	10.85	6.688	28.97	0.01
1/4/21 0:45	15.71	118.1	10.26	7.263	28.97	0.02
1/4/21 1:00	16.44	126.9	9.12	7.386	28.92	0.01
1/4/21 1:15	19.24	125.1	10.69	7.187	28.92	0.01
1/4/21 1:30	17.63	120.9	10.26	7.136	28.92	0.01
1/4/21 1:45	18.08	121.3	11.27	7.409	28.92	0.01
1/4/21 2:00	21.92	121.3	10.18	7.546	28.85	0.01
1/4/21 2:15	21.65	120.2	9.67	7.497	28.85	0
1/4/21 2:30	21.47	117.7	10.06	7.431	28.85	0.01
1/4/21 2:45	20.77	117.4	11.08	7.54	28.85	0.01
1/4/21 3:00	19.61	120.8	9.7	7.482	28.85	0.01
1/4/21 3:15	18.83	122.2	9.6	7.502	28.85	0
1/4/21 3:30	20.27	117.2	11.12	7.513	28.85	0
1/4/21 3:45	19.39	119.3	9.74	7.293	28.85	0.01
1/4/21 4:00	18.59	117.1	10.19	7.462	28.82	0.01
1/4/21 4:15	18.51	117.2	10.84	7.643	28.82	0.01
1/4/21 4:30	20.07	116.7	9.09	7.515	28.82	0.01
1/4/21 4:45	17.06	114.8	10.74	7.441	28.82	0.01
1/4/21 5:00	18.81	116.4	9.95	7.571	28.76	0.01
1/4/21 5:15	19.05	117.8	9.67	7.733	28.76	0.01
1/4/21 5:30	19.71	113.8	10.68	7.781	28.76	0
1/4/21 5:45	19.52	114.2	10.17	7.796	28.76	0.01
1/4/21 6:00	18.86	115.8	10.19	8.14	28.75	0
1/4/21 6:15	17.15	112.9	10.63	7.955	28.75	0.01
1/4/21 6:30	15.8	113.3	10.37	8.05	28.75	0.02
1/4/21 6:45	14.64	120.3	9.92	7.918	28.75	0.01
1/4/21 7:00	15.31	117.2	9.88	7.815	28.71	0.02
1/4/21 7:15	12.39	110.2	10.64	7.75	28.71	0.01
1/4/21 7:30	10.68	104	12.12	7.709	28.71	0
1/4/21 7:45	13.28	114.1	11.91	8.01	28.71	0.01
1/4/21 8:00	14.59	116.6	10.84	8.2	28.69	0
1/4/21 8:15	18.44	116.8	9.73	8.17	28.69	0.01
1/4/21 8:30	16.5	111	10.97	8.18	28.69	0.01
1/4/21 8:45	17.18	116.8	10.18	8.2	28.69	0
1/4/21 9:00	14.14	114	9.74	8.34	28.68	0.01
1/4/21 9:15	15.13	114.8	11.03	8.62	28.68	0
1/4/21 9:30	17.36	114.7	9.85	8.62	28.68	0
1/4/21 9:45	16.19	122.7	10.71	8.45	28.68	0
1/4/21 10:00	15.05	122.4	12.52	8.13	28.67	0
1/4/21 10:15	13.4	121.8	10.55	8.04	28.67	0.01
1/4/21 10:30	14.64	117.2	8.68	8.17	28.67	0
1/4/21 10:45	13.38	120.6	10.74	8.23	28.67	0.01
1/4/21 11:00	11.17	131.2	9	8.1	28.7	0
1/4/21 11:15	10.43	134.2	8.85	7.984	28.7	0
1/4/21 11:30	9.41	136.8	7.438	8.01	28.7	0.01
1/4/21 11:45	9.56	167.9	17.24	8.12	28.7	0.02
1/4/21 12:00	13.62	207.5	6.683	8.09	28.76	0.04
1/4/21 12:15	13.99	192.6	9.37	7.901	28.76	0.02
1/4/21 12:30	16.51	188.9	10.05	7.399	28.76	0
1/4/21 12:45	13.17	182	9.78	7.148	28.76	0
1/4/21 13:00	13.96	195.1	10.46	7.1	28.8	0
1/4/21 13:15	15.63	198.6	9.33	7.018	28.8	0
1/4/21 13:30	15.54	198.9	9.35	6.972	28.8	0
1/4/21 13:45	17.27	198.1	9.06	6.95	28.8	0
1/4/21 14:00	15.46	191.8	9.78	6.969	28.85	0
1/4/21 14:15	13	194.3	9.76	6.959	28.85	0
1/4/21 14:30	11.77	187.7	10.02	6.938	28.85	0
1/4/21 14:45	12.51	183.7	11.63	7.009	28.85	0
1/4/21 15:00	9.72	174.9	12.43	6.959	28.9	0
1/4/21 15:15	9.94	171.5	8.38	6.759	28.9	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/4/21 15:30	9.62	167.8	8.43	6.772	28.9	0.01
1/4/21 15:45	8.97	163.4	9.49	6.813	28.9	0
1/4/21 16:00	7.354	180	10.83	6.638	28.95	0.03
1/4/21 16:15	8.24	195.5	11.3	6.636	28.95	0.04
1/4/21 16:30	9.53	183.9	7.54	6.611	28.95	0.01
1/4/21 16:45	9.34	175.6	10.81	6.6	28.95	0
1/4/21 17:00	10.96	166.5	8.21	6.601	28.95	0
1/4/21 17:15	10.84	163.8	11.14	6.633	28.95	0
1/4/21 17:30	10.29	165.4	9.1	6.555	28.95	0
1/4/21 17:45	9.56	161.3	8.6	6.563	28.95	0.01
1/4/21 18:00	10.13	153.1	8.28	6.498	29	0
1/4/21 18:15	10.95	148.3	6.733	6.324	29	0
1/4/21 18:30	9.73	159.3	10.26	6.359	29	0
1/4/21 18:45	10.03	181.6	17.26	6.183	29	0.02
1/4/21 19:00	12.42	194.1	12.08	5.604	29.03	0.02
1/4/21 19:15	6.171	152.2	20.37	5.172	29.03	0.01
1/4/21 19:30	8.48	140.6	7.982	4.997	29.03	0
1/4/21 19:45	9.28	138.2	7.524	4.956	29.03	0
1/4/21 20:00	10.36	140.6	9.82	4.993	29.08	0
1/4/21 20:15	9.32	138.3	7.097	4.827	29.08	0
1/4/21 20:30	10.34	140.4	6.426	4.821	29.08	0
1/4/21 20:45	9.48	137.6	7.124	4.753	29.08	0
1/4/21 21:00	9.12	137.1	8.75	4.766	29.09	0
1/4/21 21:15	8.81	141.6	9.55	4.885	29.09	0
1/4/21 21:30	9	148.6	9.41	4.914	29.09	0
1/4/21 21:45	9.66	161.6	8.91	5.217	29.09	0
1/4/21 22:00	9.28	162.9	7.925	5.323	29.12	0
1/4/21 22:15	10.54	168.2	9.33	5.31	29.12	0
1/4/21 22:30	9.96	166.3	8.14	5.485	29.12	0
1/4/21 22:45	7.899	154.6	11.33	5.477	29.12	0
1/4/21 23:00	7.523	148.8	9.32	5.407	29.19	0
1/4/21 23:15	6.817	139.9	11.07	5.391	29.19	0
1/4/21 23:30	6.934	150.9	12.59	5.399	29.19	0
1/4/21 23:45	9.01	161.8	9.05	5.611	29.19	0
1/5/21 0:00	8.6	161.4	10.19	5.582	29.19	0
1/5/21 0:15	10.09	173.3	8.02	5.506	29.19	0
1/5/21 0:30	8.08	168.7	7.298	5.324	29.19	0
1/5/21 0:45	7.272	164	7.32	5.187	29.19	0
1/5/21 1:00	8.41	165.4	7.658	5.264	29.24	0
1/5/21 1:15	5.069	138.1	9.43	5.001	29.24	0
1/5/21 1:30	6.051	140.1	7.353	5.144	29.24	0
1/5/21 1:45	6.891	137.1	8.13	5.314	29.24	0
1/5/21 2:00	6.269	138.1	6.75	5.419	29.26	0
1/5/21 2:15	5.505	145.6	7.632	5.486	29.26	0
1/5/21 2:30	5.251	132.7	8.81	5.321	29.26	0
1/5/21 2:45	5.849	134.6	7.013	5.253	29.26	0
1/5/21 3:00	5.965	116.4	12.86	4.985	29.24	0
1/5/21 3:15	5.855	122.8	13.5	5.277	29.24	0
1/5/21 3:30	5.95	122.5	13.42	5.304	29.24	0
1/5/21 3:45	5.908	121.5	8.16	5.561	29.24	0
1/5/21 4:00	6.465	124	8.35	5.554	29.24	0
1/5/21 4:15	7.595	139.9	11.48	5.625	29.24	0
1/5/21 4:30	6.963	153.9	11.64	5.582	29.24	0
1/5/21 4:45	4.997	150.8	8.24	5.202	29.24	0
1/5/21 5:00	4.428	130.5	5.818	4.974	29.27	0
1/5/21 5:15	5.115	141.6	13.52	5.138	29.27	0
1/5/21 5:30	6.771	160.8	11.51	5.229	29.27	0
1/5/21 5:45	6.28	155.6	10.4	5.152	29.27	0
1/5/21 6:00	4.868	141.3	13.92	5.062	29.26	0
1/5/21 6:15	6.242	136.3	9.1	5.311	29.26	0
1/5/21 6:30	6.832	133.2	7.21	5.57	29.26	0
1/5/21 6:45	6.822	134.5	6.391	5.663	29.26	0
1/5/21 7:00	6.007	144.7	10.76	5.701	29.26	0
1/5/21 7:15	6.558	158.9	7.535	5.545	29.26	0
1/5/21 7:30	7.105	145.2	4.852	5.256	29.26	0
1/5/21 7:45	7.435	145.5	6.762	5.552	29.26	0
1/5/21 8:00	6.718	122.5	9.65	5.451	29.28	0
1/5/21 8:15	7.241	120.5	7.975	5.684	29.28	0
1/5/21 8:30	7.913	121.3	6.536	5.931	29.28	0
1/5/21 8:45	8	122.7	9.23	5.846	29.28	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/5/21 9:00	8.38	120.2	9.42	5.86	29.28	0
1/5/21 9:15	7.762	127.6	10.23	5.978	29.28	0
1/5/21 9:30	8.24	127.4	10.16	6.071	29.28	0
1/5/21 9:45	9.34	124.1	9.38	6.352	29.28	0
1/5/21 10:00	10.81	117.4	8.27	6.567	29.28	0
1/5/21 10:15	11.51	117.1	8.9	6.721	29.28	0
1/5/21 10:30	11.12	120.3	9.01	6.787	29.28	0
1/5/21 10:45	11.02	117.4	9.71	6.727	29.28	0
1/5/21 11:00	12.57	119.4	8.63	6.79	29.24	0
1/5/21 11:15	11.69	118.1	9.24	6.899	29.24	0
1/5/21 11:30	10.91	117.2	10.16	7.117	29.24	0
1/5/21 11:45	10.36	136.9	11.08	7.128	29.24	0
1/5/21 12:00	10.86	132.1	14.65	6.897	29.25	0
1/5/21 12:15	10.78	164.6	19.04	6.512	29.25	0.01
1/5/21 12:30	10.68	149.1	10.88	6.072	29.25	0.01
1/5/21 12:45	10.96	138.7	7.226	5.939	29.25	0.01
1/5/21 13:00	8.03	134	10.94	5.779	29.24	0.02
1/5/21 13:15	13.63	118.2	12.19	5.29	29.24	0.02
1/5/21 13:30	13.27	112	12.12	4.929	29.24	0.02
1/5/21 13:45	11.77	119.2	10.17	4.837	29.24	0.02
1/5/21 14:00	12.04	110.9	10.05	4.756	29.21	0.02
1/5/21 14:15	14	105.2	10.96	4.669	29.21	0.01
1/5/21 14:30	14.73	105	11.98	4.84	29.21	0.01
1/5/21 14:45	15.13	108.6	11.84	5.145	29.21	0.01
1/5/21 15:00	15.76	116.1	9.87	5.342	29.14	0
1/5/21 15:15	17.79	117.6	11.63	5.707	29.14	0.01
1/5/21 15:30	16.48	115.7	11.68	6.002	29.14	0.01
1/5/21 15:45	13.64	125.6	9.97	5.722	29.14	0.01
1/5/21 16:00	15.74	114.4	10.76	6.123	29.12	0.01
1/5/21 16:15	17.37	113.9	8.95	6.575	29.12	0
1/5/21 16:30	15.81	115.3	9.99	6.959	29.12	0
1/5/21 16:45	16.3	120	9.28	7.254	29.12	0
1/5/21 17:00	14.82	125.7	10.95	7.149	29.09	0
1/5/21 17:15	15.58	122	8.89	7.144	29.09	0
1/5/21 17:30	13.31	129	10.41	7.308	29.09	0
1/5/21 17:45	14.16	119.6	9.67	7.645	29.09	0
1/5/21 18:00	15.24	119.5	9.56	7.58	29.08	0.01
1/5/21 18:15	15.56	119.3	10.93	7.195	29.08	0.01
1/5/21 18:30	14.63	128.7	11.11	6.877	29.08	0.01
1/5/21 18:45	15.84	121.1	10.37	6.626	29.08	0.01
1/5/21 19:00	14.44	126.6	10.83	6.389	29.08	0
1/5/21 19:15	14.7	113.6	10.19	6.326	29.08	0.01
1/5/21 19:30	14.22	115.6	11.18	6.513	29.08	0.02
1/5/21 19:45	15.67	117.7	9.6	6.454	29.08	0
1/5/21 20:00	16.37	117.3	10.4	6.694	29.09	0.01
1/5/21 20:15	14.57	116.3	10.61	6.69	29.09	0.04
1/5/21 20:30	14.85	123.3	15.19	6.7	29.09	0.02
1/5/21 20:45	14.94	126.6	13.09	6.202	29.09	0.04
1/5/21 21:00	14.32	115.4	8.9	6.125	29.09	0.03
1/5/21 21:15	15.32	118.9	10.01	6.362	29.09	0.01
1/5/21 21:30	14.8	127.2	10.88	6.169	29.09	0.01
1/5/21 21:45	15.26	122.4	11.53	5.983	29.09	0.01
1/5/21 22:00	13.18	124	11.82	6.052	29.09	0.01
1/5/21 22:15	10.54	137.7	13.59	6.143	29.09	0.02
1/5/21 22:30	9.22	144.2	21.76	6.027	29.09	0.03
1/5/21 22:45	10.46	126.3	9.32	5.958	29.09	0.02
1/5/21 23:00	11.22	124.4	8.5	6.089	29.08	0.01
1/5/21 23:15	9.95	127.2	8.52	6.069	29.08	0
1/5/21 23:30	8.71	143.9	9.95	6.028	29.08	0.01
1/5/21 23:45	8.68	142.5	10.5	6.026	29.08	0
1/6/21 0:00	9.33	144.1	8.59	6.25	29.12	0.01
1/6/21 0:15	9.24	143	7.502	6.172	29.12	0.02
1/6/21 0:30	8.14	141.2	7.297	6.231	29.12	0.02
1/6/21 0:45	5.218	132.1	7.884	6.137	29.12	0.02
1/6/21 1:00	5.664	126.8	9.02	6.323	29.12	0.02
1/6/21 1:15	5.892	130.3	9.95	6.61	29.12	0.01
1/6/21 1:30	6.092	144	16.64	6.808	29.12	0.02
1/6/21 1:45	7.243	167.2	8.41	6.943	29.12	0.01
1/6/21 2:00	6.307	161.3	11.85	6.864	29.16	0.01
1/6/21 2:15	5.002	148	13.11	6.703	29.16	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/6/21 2:30	5.845	137.7	21.55	6.525	29.16	0.01
1/6/21 2:45	10.95	180.2	11.09	6.889	29.16	0
1/6/21 3:00	10.54	195.8	12.65	6.702	29.14	0.01
1/6/21 3:15	12.6	212.2	8.44	6.7	29.14	0
1/6/21 3:30	8.81	198.4	8.44	6.441	29.14	0.01
1/6/21 3:45	6.982	206.9	10.81	6.24	29.14	0
1/6/21 4:00	5.439	233.8	16.5	6.084	29.18	0.01
1/6/21 4:15	3.267	212	72.06	5.986	29.18	0.02
1/6/21 4:30	3.335	133.2	40.7	5.871	29.18	0.01
1/6/21 4:45	4.415	129.3	39.79	6.004	29.18	0
1/6/21 5:00	6.893	147.1	20.96	6.126	29.14	0
1/6/21 5:15	4.853	123.1	12.49	5.904	29.14	0
1/6/21 5:30	5.93	130.1	7.4	5.923	29.14	0
1/6/21 5:45	6.828	125.9	8.44	5.95	29.14	0
1/6/21 6:00	6.696	124.3	7.673	6.018	29.18	0
1/6/21 6:15	5.636	124.3	7.689	6.118	29.18	0
1/6/21 6:30	4.777	122.7	8.07	6.208	29.18	0
1/6/21 6:45	5.191	118.9	10.68	6.088	29.18	0
1/6/21 7:00	5.367	115.6	7.871	5.986	29.17	0
1/6/21 7:15	6.557	121.4	6.909	6.053	29.17	0
1/6/21 7:30	5.708	118.6	8.23	6.115	29.17	0
1/6/21 7:45	5.395	123.4	6.425	6.411	29.17	0
1/6/21 8:00	4.931	121	8.39	6.424	29.22	0
1/6/21 8:15	5.169	112.8	9.31	6.424	29.22	0
1/6/21 8:30	3.715	108.3	6.742	6.606	29.22	0
1/6/21 8:45	4.072	110.6	6.353	6.697	29.22	0
1/6/21 9:00	3.324	109.5	11.88	6.487	29.2	0
1/6/21 9:15	3.051	113	15.04	6.688	29.2	0
1/6/21 9:30	3.534	135.4	17.7	6.715	29.2	0
1/6/21 9:45	4.287	137.7	19.47	6.394	29.2	0
1/6/21 10:00	3.793	116	15.7	6.608	29.24	0
1/6/21 10:15	4.492	116.9	19.07	6.768	29.24	0
1/6/21 10:30	4.547	129.1	16.62	7.049	29.24	0
1/6/21 10:45	4.032	165.8	19.13	7.109	29.24	0
1/6/21 11:00	4.553	168	14.81	6.927	29.22	0
1/6/21 11:15	3.434	131.5	27.48	7.269	29.22	0
1/6/21 11:30	3.017	118.4	14.42	7.598	29.22	0
1/6/21 11:45	3.467	148.3	20.31	8.2	29.22	0
1/6/21 12:00	3.388	184.8	28.87	8.36	29.2	0
1/6/21 12:15	3.035	167.1	35.58	8.54	29.2	0
1/6/21 12:30	2.363	122.2	26.09	9	29.2	0
1/6/21 12:45	3.608	167.3	26.02	8.92	29.2	0
1/6/21 13:00	1.104	179.5	37.14	8.85	29.2	0
1/6/21 13:15	1.104	232.3	29.45	9.11	29.2	0
1/6/21 13:30	0.253	34.99	26.19	9.28	29.2	0
1/6/21 13:45	3.057	21.68	8.91	8.74	29.2	0
1/6/21 14:00	5.454	16.41	7.071	8.55	29.19	0
1/6/21 14:15	6.146	15.69	8.88	8.59	29.19	0
1/6/21 14:30	7.564	8.86	11.07	8.66	29.19	0
1/6/21 14:45	7.189	9.74	12.08	8.61	29.19	0
1/6/21 15:00	6.425	1.891	15.15	8.55	29.15	0
1/6/21 15:15	5.37	10.32	12.01	8.42	29.15	0
1/6/21 15:30	6.738	10.2	12.24	8.15	29.15	0
1/6/21 15:45	5.744	9.66	12.29	7.895	29.15	0
1/6/21 16:00	4.142	18.2	13.17	7.716	29.14	0
1/6/21 16:15	3.179	28.45	12.89	7.506	29.14	0
1/6/21 16:30	3.187	8.98	9.7	7.275	29.14	0
1/6/21 16:45	2.717	10.6	9.32	7.173	29.14	0
1/6/21 17:00	2.639	29.75	7.047	7.037	29.18	0
1/6/21 17:15	1.716	29.22	10.08	7.048	29.18	0
1/6/21 17:30	0.422	24.17	4.17	6.892	29.18	0
1/6/21 17:45	0.702	16.39	10.13	6.766	29.18	0
1/6/21 18:00	0.444	10.82	9.27	6.639	29.18	0
1/6/21 18:15	2.546	348.7	11.12	6.537	29.18	0
1/6/21 18:30	1.776	329.8	16.56	6.398	29.18	0
1/6/21 18:45	1.701	16.42	16.32	6.242	29.18	0
1/6/21 19:00	0.539	5.372	8.81	6.239	29.21	0
1/6/21 19:15	1.542	111.8	15.01	5.866	29.21	0
1/6/21 19:30	1.691	85.4	20.22	5.833	29.21	0
1/6/21 19:45	1.355	16.62	9.93	5.992	29.21	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/6/21 20:00	1.404	61.01	31.04	5.918	29.21	0
1/6/21 20:15	2.312	14.61	26.44	5.366	29.21	0
1/6/21 20:30	2.885	21.67	36.77	5.479	29.21	0
1/6/21 20:45	2.455	65.15	5.809	4.604	29.21	0
1/6/21 21:00	0.533	48.15	17.55	5.141	29.25	0
1/6/21 21:15	0.298	21.13	2.178	5.472	29.25	0
1/6/21 21:30	2.535	334.6	12.96	5.04	29.25	0
1/6/21 21:45	3.379	303.5	17.83	4.669	29.25	0
1/6/21 22:00	1.818	345.8	26.22	4.933	29.29	0
1/6/21 22:15	1.549	37.63	3.533	4.928	29.29	0
1/6/21 22:30	2.573	32.46	4.168	4.955	29.29	0
1/6/21 22:45	2.985	55.96	22.15	4.187	29.29	0
1/6/21 23:00	2.865	121.8	19.81	4.409	29.31	0
1/6/21 23:15	2.165	76.08	31.45	4.993	29.31	0
1/6/21 23:30	2.506	80.7	17.32	4.171	29.31	0
1/6/21 23:45	4.126	110.3	4.056	4.677	29.31	0
1/7/21 0:00	3.594	145.2	23.08	4.808	29.31	0
1/7/21 0:15	3.81	169	10.34	4.685	29.31	0
1/7/21 0:30	5.192	191.7	13.61	4.486	29.31	0
1/7/21 0:45	5.847	182.5	9.51	4.681	29.31	0
1/7/21 1:00	5.062	182.6	9.28	4.625	29.33	0
1/7/21 1:15	4.25	197.6	9.61	4.268	29.33	0
1/7/21 1:30	4.321	187.8	6.671	4.236	29.33	0
1/7/21 1:45	3.974	166.7	10.65	4.06	29.33	0
1/7/21 2:00	5.139	148.1	4.87	3.932	29.37	0
1/7/21 2:15	6.12	132.6	8.98	4.009	29.37	0
1/7/21 2:30	3.355	118.8	14.76	3.917	29.37	0
1/7/21 2:45	6.245	143.3	4.349	4.438	29.37	0
1/7/21 3:00	5.472	141.1	5.384	4.783	29.4	0
1/7/21 3:15	5.065	138.7	5.229	4.749	29.4	0
1/7/21 3:30	5.667	137.8	4.573	4.861	29.4	0
1/7/21 3:45	5.084	136.4	6.745	4.99	29.4	0
1/7/21 4:00	4.828	139.2	7.005	5.221	29.41	0
1/7/21 4:15	4.911	158.4	10.24	5.402	29.41	0
1/7/21 4:30	3.599	154.8	11.28	5.256	29.41	0
1/7/21 4:45	3.02	137.8	13.75	5.148	29.41	0.01
1/7/21 5:00	0.961	72.36	25.6	4.949	29.42	0
1/7/21 5:15	1.624	73.4	11.77	5.061	29.42	0
1/7/21 5:30	2.572	98.5	14.42	5.449	29.42	0
1/7/21 5:45	3.297	106.1	10.78	5.602	29.42	0
1/7/21 6:00	3.757	135.2	12.16	5.567	29.42	0
1/7/21 6:15	3.904	122.4	4.761	5.873	29.42	0
1/7/21 6:30	3.824	133.7	6.815	5.977	29.42	0
1/7/21 6:45	4.433	127.5	5.289	5.837	29.42	0
1/7/21 7:00	4.36	119.5	7.579	5.861	29.44	0
1/7/21 7:15	4.56	108.6	7.35	6.024	29.44	0
1/7/21 7:30	4.111	125.1	8.27	6.031	29.44	0
1/7/21 7:45	3.372	152	14.49	5.817	29.44	0.01
1/7/21 8:00	3.235	155.6	13.64	5.641	29.46	0
1/7/21 8:15	4.026	137.5	21.97	5.18	29.46	0
1/7/21 8:30	6.202	92.4	9.14	4.906	29.46	0
1/7/21 8:45	5.728	109.7	8.04	6.067	29.46	0
1/7/21 9:00	5.315	123.2	6.496	6.919	29.43	0
1/7/21 9:15	4.582	133.1	12.15	7.49	29.43	0
1/7/21 9:30	3.678	159	16.03	7.296	29.43	0
1/7/21 9:45	3.516	159.7	11.34	6.787	29.43	0
1/7/21 10:00	4.286	151.4	13.47	6.848	29.45	0
1/7/21 10:15	5.209	125	8.31	7.432	29.45	0
1/7/21 10:30	5.149	145	11.58	7.832	29.45	0
1/7/21 10:45	4.8	151.9	11.47	7.9	29.45	0
1/7/21 11:00	4.659	129	12.51	8.07	29.45	0
1/7/21 11:15	3.211	148.6	26.54	8.45	29.45	0
1/7/21 11:30	4.273	148.8	12.52	8.45	29.45	0
1/7/21 11:45	5.025	144.3	11.59	8.38	29.45	0
1/7/21 12:00	3.717	129.5	13.09	8.56	29.43	0
1/7/21 12:15	2.529	96.6	32.9	8.49	29.43	0
1/7/21 12:30	1.772	57.7	9.21	8.16	29.43	0
1/7/21 12:45	1.793	39.35	19.35	8.14	29.43	0
1/7/21 13:00	2.526	4.376	15.23	7.712	29.41	0
1/7/21 13:15	2.172	12.74	9.86	7.69	29.41	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/7/21 13:30	2.261	7.678	14.51	7.763	29.41	0
1/7/21 13:45	3.148	3.713	25.62	7.491	29.41	0
1/7/21 14:00	4.846	22.56	8.29	7.182	29.39	0
1/7/21 14:15	5.536	17.26	11.52	7.275	29.39	0
1/7/21 14:30	6.376	30.45	8.37	7.191	29.39	0
1/7/21 14:45	5.803	28.51	8.85	7.146	29.39	0
1/7/21 15:00	6.312	22.95	8.5	7.348	29.34	0
1/7/21 15:15	4.353	47.18	12.59	8.25	29.34	0
1/7/21 15:30	5.318	52.39	9.69	8.58	29.34	0
1/7/21 15:45	3.814	51.87	11.24	8.76	29.34	0
1/7/21 16:00	2.651	38.51	15.04	8.56	29.29	0
1/7/21 16:15	1.043	19.7	31.39	8.21	29.29	0
1/7/21 16:30	3.42	98	23.81	8.61	29.29	0
1/7/21 16:45	5.605	115.3	11.27	8.66	29.29	0
1/7/21 17:00	5.909	128.9	11.5	8.48	29.27	0
1/7/21 17:15	7.303	117.7	13.11	8.64	29.27	0
1/7/21 17:30	8.56	106.6	15.46	8.75	29.27	0
1/7/21 17:45	9.24	102.6	12.64	8.71	29.27	0
1/7/21 18:00	8.65	106.8	13.21	8.83	29.26	0
1/7/21 18:15	8.69	99.8	14.51	8.91	29.26	0
1/7/21 18:30	7.287	99.9	13.46	8.97	29.26	0
1/7/21 18:45	8.01	105.5	14.25	8.83	29.26	0
1/7/21 19:00	9.67	108.7	13.68	8.75	29.25	0
1/7/21 19:15	12.02	119.7	10.61	8.81	29.25	0
1/7/21 19:30	11.59	109.6	13.98	8.75	29.25	0
1/7/21 19:45	14.75	109.7	12.85	8.97	29.25	0
1/7/21 20:00	16.4	115.9	12.38	9.34	29.22	0
1/7/21 20:15	14.86	109.9	13.7	9.35	29.22	0
1/7/21 20:30	14.92	110.7	12.83	9.39	29.22	0
1/7/21 20:45	16.62	108.2	13.64	9.55	29.22	0
1/7/21 21:00	16.1	108.4	13.89	9.67	29.18	0
1/7/21 21:15	17.05	99.4	16.36	9.91	29.18	0
1/7/21 21:30	16	102.6	14.18	9.96	29.18	0
1/7/21 21:45	18.41	102.8	14.14	10.08	29.18	0
1/7/21 22:00	20.78	100.3	15.1	10.01	29.16	0
1/7/21 22:15	16.53	95.9	14.96	9.9	29.16	0
1/7/21 22:30	15.61	106.2	14.38	9.79	29.16	0
1/7/21 22:45	16.02	106.3	14.24	9.77	29.16	0
1/7/21 23:00	17.12	111	13.64	9.91	29.16	0
1/7/21 23:15	17.83	113.3	13.6	9.8	29.16	0
1/7/21 23:30	21.68	108.2	11.87	9.8	29.16	0
1/7/21 23:45	18.79	111	15.63	9.88	29.16	0
1/8/21 0:00	21.92	113.5	11.08	9.96	29.18	0
1/8/21 0:15	21.08	108.6	12.75	9.83	29.18	0
1/8/21 0:30	21.74	107.3	12.14	9.75	29.18	0
1/8/21 0:45	18.51	108.3	12.41	9.79	29.18	0
1/8/21 1:00	18.53	110.6	12.47	9.82	29.17	0
1/8/21 1:15	18.95	108.9	13.18	9.88	29.17	0
1/8/21 1:30	19.12	105.5	14.57	9.98	29.17	0
1/8/21 1:45	19.69	112.2	12.94	10.06	29.17	0
1/8/21 2:00	19.99	111.8	13.28	10.07	29.17	0
1/8/21 2:15	20.47	109.6	13.09	10.01	29.17	0
1/8/21 2:30	20.74	105.7	13.68	9.99	29.17	0
1/8/21 2:45	20.02	116	12.47	9.91	29.17	0
1/8/21 3:00	20.37	114.8	12.27	9.57	29.21	0
1/8/21 3:15	14.25	109.2	11.71	9.03	29.21	0
1/8/21 3:30	7.099	78.54	18.18	8.73	29.21	0.01
1/8/21 3:45	4.529	65.61	17.21	8.99	29.21	0
1/8/21 4:00	6.8	114.9	16.15	9.24	29.18	0
1/8/21 4:15	7.871	107.4	16.85	9.4	29.18	0
1/8/21 4:30	13.41	114.3	13.31	9.68	29.18	0
1/8/21 4:45	15.95	122.3	12.46	9.55	29.18	0
1/8/21 5:00	15.82	117	11.22	9.58	29.19	0
1/8/21 5:15	16.74	119.9	10.3	9.49	29.19	0
1/8/21 5:30	13.99	131.1	12.05	9.28	29.19	0
1/8/21 5:45	13	143.3	7.881	9.12	29.19	0
1/8/21 6:00	8.69	144.6	9.38	9.02	29.23	0
1/8/21 6:15	5.902	159.1	13.13	8.79	29.23	0
1/8/21 6:30	7.092	181.4	10.26	8.67	29.23	0
1/8/21 6:45	8.05	165.1	13.23	8.69	29.23	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/8/21 7:00	6.459	185.5	38.93	8.56	29.25	0
1/8/21 7:15	9.05	275.2	7.725	7.296	29.25	0
1/8/21 7:30	7.999	293	8.59	6.86	29.25	0
1/8/21 7:45	10.26	285.1	7.476	6.763	29.25	0
1/8/21 8:00	6.638	292.2	14.91	6.539	29.27	0
1/8/21 8:15	3.04	19.98	39.21	6.234	29.27	0
1/8/21 8:30	1.599	317.6	29.17	6.101	29.27	0
1/8/21 8:45	1.196	245.5	26.97	6.037	29.27	0.01
1/8/21 9:00	1.559	239.7	23.41	6.009	29.33	0
1/8/21 9:15	3.36	215.1	14.26	5.972	29.33	0.01
1/8/21 9:30	2.911	169.5	50.49	5.865	29.33	0
1/8/21 9:45	1.462	118.1	14.49	5.806	29.33	0.01
1/8/21 10:00	0.388	54.5	14.63	5.852	29.34	0
1/8/21 10:15	1.38	139.9	17.82	5.934	29.34	0
1/8/21 10:30	0.304	30.15	3.445	6.042	29.34	0.01
1/8/21 10:45	1.435	65.54	14.38	6.032	29.34	0
1/8/21 11:00	2.563	89.2	14.23	6.052	29.37	0
1/8/21 11:15	1.118	100.9	8.04	6.149	29.37	0
1/8/21 11:30	4.715	250.1	10.43	6.236	29.37	0
1/8/21 11:45	4.108	269.5	9.22	6.159	29.37	0
1/8/21 12:00	4.471	282.7	5.901	6.16	29.4	0.01
1/8/21 12:15	4.415	277.8	5.864	6.128	29.4	0
1/8/21 12:30	2.053	285	15.81	6.189	29.4	0.01
1/8/21 12:45	1.263	279.2	14.97	6.258	29.4	0
1/8/21 13:00	1.473	180.6	17.73	6.402	29.4	0
1/8/21 13:15	1.91	198.6	16.57	6.353	29.4	0
1/8/21 13:30	0.686	247.6	38.22	6.352	29.4	0
1/8/21 13:45	0.577	288.8	21.66	6.462	29.4	0
1/8/21 14:00	0.687	30.04	51.63	6.389	29.44	0
1/8/21 14:15	0.996	107.8	8.93	6.104	29.44	0.01
1/8/21 14:30	0.228	141.9	31.2	5.964	29.44	0
1/8/21 14:45	0.491	68.46	1.656	5.932	29.44	0.01
1/8/21 15:00	2.483	59.16	10.42	5.741	29.44	0
1/8/21 15:15	2.877	57.04	6.309	5.711	29.44	0
1/8/21 15:30	2.791	46.22	6.616	5.751	29.44	0
1/8/21 15:45	2.452	37.63	6.739	5.83	29.44	0.01
1/8/21 16:00	4.191	36.8	8.19	5.832	29.48	0
1/8/21 16:15	5.375	16.72	8.07	5.824	29.48	0.03
1/8/21 16:30	10.72	1.78	15.3	5.553	29.48	0.01
1/8/21 16:45	5.87	20.02	18.84	5.43	29.48	0
1/8/21 17:00	2.15	139.1	40.78	5.574	29.49	0
1/8/21 17:15	2.27	206.2	18.16	5.648	29.49	0
1/8/21 17:30	2.268	188.2	24.21	5.608	29.49	0
1/8/21 17:45	1.805	247.5	41.56	5.831	29.49	0
1/8/21 18:00	2.739	176.2	29.68	5.724	29.53	0
1/8/21 18:15	2.411	161.1	53.59	5.802	29.53	0
1/8/21 18:30	2.815	188.4	22.13	5.252	29.53	0
1/8/21 18:45	2.06	120.5	49.43	5.01	29.53	0
1/8/21 19:00	1.824	105	24.98	4.555	29.55	0
1/8/21 19:15	1.148	73.1	34.28	4.187	29.55	0
1/8/21 19:30	2.071	282.9	58.87	4.428	29.55	0
1/8/21 19:45	2.398	215.4	17.81	4.25	29.55	0
1/8/21 20:00	1.555	213.6	56.46	3.866	29.56	0
1/8/21 20:15	2.259	148.8	58.86	3.697	29.56	0
1/8/21 20:30	1.654	134.8	24.69	4.105	29.56	0
1/8/21 20:45	1.972	193	39.96	3.815	29.56	0
1/8/21 21:00	0.411	252.7	45.54	3.566	29.57	0
1/8/21 21:15	1.287	29.85	25.48	3.337	29.57	0
1/8/21 21:30	0.531	21.37	12.25	3.593	29.57	0
1/8/21 21:45	0.548	35.26	11.48	3.843	29.57	0
1/8/21 22:00	1.442	82.2	14.82	3.588	29.57	0
1/8/21 22:15	2.132	108.4	18.33	3.082	29.57	0
1/8/21 22:30	1.877	117.8	27.27	3.12	29.57	0
1/8/21 22:45	0.037	91.1	2.189	3.463	29.57	0
1/8/21 23:00	0.702	78.76	49.12	3.77	29.58	0
1/8/21 23:15	0.433	297.5	33.09	2.727	29.58	0
1/8/21 23:30	0.137	58.62	8.99	2.771	29.58	0
1/8/21 23:45	1.508	44.15	15.36	2.477	29.58	0
1/9/21 0:00	2.721	58.35	3.558	2.451	29.6	0
1/9/21 0:15	1.736	73.02	8.27	2.378	29.6	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/9/21 0:30	1.779	64.56	11.92	1.865	29.6	0
1/9/21 0:45	1.977	92.5	20.34	1.743	29.6	0
1/9/21 1:00	1.969	120.3	21.41	1.815	29.6	0
1/9/21 1:15	1.729	122.9	16.31	2.41	29.6	0
1/9/21 1:30	1.581	90.5	10.9	2.407	29.6	0
1/9/21 1:45	1.603	103.4	11.9	2.209	29.6	0
1/9/21 2:00	1.477	71.97	13.16	2.01	29.57	0
1/9/21 2:15	2.236	60.42	10.57	1.768	29.57	0
1/9/21 2:30	2.716	39.11	5.492	1.928	29.57	0
1/9/21 2:45	2.355	60.9	9.45	1.664	29.57	0
1/9/21 3:00	2.618	45.85	9.02	1.685	29.57	0
1/9/21 3:15	3.226	45.75	4.44	1.505	29.57	0
1/9/21 3:30	2.267	46.66	12.64	1.483	29.57	0
1/9/21 3:45	2.054	99.9	15.06	1.126	29.57	0
1/9/21 4:00	1.084	107.9	34.08	1.811	29.57	0
1/9/21 4:15	2.895	15.36	9.46	2.311	29.57	0
1/9/21 4:30	3.299	18.43	11.39	1.368	29.57	0
1/9/21 4:45	3.336	25.42	4.482	0.724	29.57	0
1/9/21 5:00	1.914	33.29	7.378	1.221	29.54	0
1/9/21 5:15	1.174	20.41	49.85	1.473	29.54	0
1/9/21 5:30	4.997	277.1	10.75	0.253	29.54	0
1/9/21 5:45	2.563	337.2	75.17	0.185	29.54	0
1/9/21 6:00	0.744	79.13	45.92	0.431	29.54	0
1/9/21 6:15	2.349	92.6	14.46	0.463	29.54	0
1/9/21 6:30	4.43	91.4	8.67	-0.144	29.54	0
1/9/21 6:45	6.53	128.4	12.36	0.511	29.54	0
1/9/21 7:00	6.99	120.5	8.38	1.664	29.52	0
1/9/21 7:15	5.825	103.3	6.492	1.568	29.52	0
1/9/21 7:30	3.3	74.17	39.64	1.9	29.52	0
1/9/21 7:45	2.227	358.3	46.91	1.484	29.52	0
1/9/21 8:00	2.024	27.95	23.19	0.269	29.49	0
1/9/21 8:15	4.197	30.92	10.06	-0.14	29.49	0
1/9/21 8:30	1.731	10.12	35.15	-0.488	29.49	0
1/9/21 8:45	2.408	274.3	59.73	0.255	29.49	0
1/9/21 9:00	2.721	336.8	12.54	0.307	29.52	0
1/9/21 9:15	1.921	351.1	19.76	0.811	29.52	0
1/9/21 9:30	1.968	6.362	11.54	0.827	29.52	0
1/9/21 9:45	1.336	23.94	27.13	1.521	29.52	0
1/9/21 10:00	0.456	39.67	12.39	3.429	29.51	0.01
1/9/21 10:15	1.205	75.75	26.55	4.164	29.51	0
1/9/21 10:30	2.777	91.9	10.74	4.254	29.51	0
1/9/21 10:45	3.797	102.7	14.38	4.42	29.51	0
1/9/21 11:00	3.114	107.1	12.79	4.52	29.46	0
1/9/21 11:15	2.442	65.21	21.28	3.341	29.46	0
1/9/21 11:30	3.79	78.27	13.67	4.613	29.46	0
1/9/21 11:45	3.782	109.5	33.17	5.3	29.46	0
1/9/21 12:00	6.058	151.5	10.88	6.699	29.44	0
1/9/21 12:15	2.684	73.63	45.36	6.267	29.44	0
1/9/21 12:30	2.664	107.8	34.84	6.883	29.44	0
1/9/21 12:45	6.32	135.4	15.37	7.717	29.44	0
1/9/21 13:00	7.975	133	13.22	7.837	29.41	0
1/9/21 13:15	7.921	119.4	12.99	7.589	29.41	0
1/9/21 13:30	9.32	129.6	11.62	8.08	29.41	0
1/9/21 13:45	11.6	128.3	11.88	8.32	29.41	0
1/9/21 14:00	10.28	120.8	12.47	8.32	29.37	0
1/9/21 14:15	11.52	123.4	11.3	8.77	29.37	0
1/9/21 14:30	10.77	129.8	11.56	8.84	29.37	0
1/9/21 14:45	9.78	136.9	12.79	8.66	29.37	0
1/9/21 15:00	11.87	136.2	11.39	8.51	29.36	0
1/9/21 15:15	10.55	123.1	13.13	8.41	29.36	0
1/9/21 15:30	11.97	128.4	10.49	8.29	29.36	0
1/9/21 15:45	11.25	130.8	10.06	8.26	29.36	0
1/9/21 16:00	10.87	136.1	11.57	8.23	29.35	0
1/9/21 16:15	11.2	135.6	12.05	8.13	29.35	0
1/9/21 16:30	12.12	133.7	11.37	8.08	29.35	0
1/9/21 16:45	12.45	127.8	11.19	8.05	29.35	0
1/9/21 17:00	10.45	132	11.84	8.11	29.33	0
1/9/21 17:15	9.96	135.2	12.89	8.12	29.33	0
1/9/21 17:30	8.01	127.1	13.2	7.847	29.33	0
1/9/21 17:45	10.52	128.4	12.53	7.987	29.33	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/9/21 18:00	12.77	130.8	11.57	7.974	29.33	0
1/9/21 18:15	12.65	125.1	11.53	7.918	29.33	0
1/9/21 18:30	13.46	130.8	12.16	8.01	29.33	0
1/9/21 18:45	13.54	138.9	10.62	7.995	29.33	0
1/9/21 19:00	13.25	135.1	10.75	7.951	29.31	0
1/9/21 19:15	13.75	133.1	10.67	8.02	29.31	0
1/9/21 19:30	13.02	135.8	11.34	7.978	29.31	0
1/9/21 19:45	12.68	137.2	11.55	7.811	29.31	0
1/9/21 20:00	11.68	137.2	13.02	7.753	29.31	0
1/9/21 20:15	12.54	136.5	13.08	7.789	29.31	0
1/9/21 20:30	13.68	132.4	10.05	7.799	29.31	0
1/9/21 20:45	11.58	130.4	11.75	7.644	29.31	0
1/9/21 21:00	13.56	128.7	10.98	7.695	29.29	0
1/9/21 21:15	13.65	126.4	11.61	7.639	29.29	0
1/9/21 21:30	12.89	128	12.53	7.551	29.29	0
1/9/21 21:45	12.48	124.4	12.49	7.488	29.29	0
1/9/21 22:00	13.47	121.4	13.37	7.54	29.27	0
1/9/21 22:15	15.28	120.3	12.19	7.555	29.27	0
1/9/21 22:30	14.73	120.9	11.93	7.594	29.27	0
1/9/21 22:45	13.98	122.9	14.37	7.701	29.27	0
1/9/21 23:00	18.62	125	10.62	7.756	29.25	0
1/9/21 23:15	15.71	127.3	12.29	7.615	29.25	0
1/9/21 23:30	15	131.4	11.05	7.403	29.25	0
1/9/21 23:45	16.08	129.1	11.23	7.361	29.25	0
1/10/21 0:00	16.08	119.9	10.42	7.397	29.28	0
1/10/21 0:15	17.01	122.7	11.54	7.515	29.28	0
1/10/21 0:30	17.36	121.5	10.95	7.776	29.28	0
1/10/21 0:45	15.79	124.9	10.46	7.758	29.28	0
1/10/21 1:00	13.74	153.1	20.8	7.543	29.31	0
1/10/21 1:15	13.75	162.7	13.62	7.306	29.31	0
1/10/21 1:30	12.9	158.3	17.08	7.233	29.31	0
1/10/21 1:45	9.55	164.8	11.42	6.933	29.31	0
1/10/21 2:00	11.28	129.9	12.9	6.656	29.3	0
1/10/21 2:15	9.84	129	10.16	6.409	29.3	0.01
1/10/21 2:30	13.29	121.2	10.54	6.387	29.3	0
1/10/21 2:45	13.99	105	11.78	6.55	29.3	0.01
1/10/21 3:00	12.63	128.5	12.51	6.145	29.32	0
1/10/21 3:15	6.335	123.8	24.38	6.011	29.32	0.01
1/10/21 3:30	10.21	132.1	16.28	6.18	29.32	0
1/10/21 3:45	7.346	112.7	18.87	6.345	29.32	0
1/10/21 4:00	11.64	119.5	13.17	6.66	29.31	0
1/10/21 4:15	11.05	119	10.1	6.751	29.31	0
1/10/21 4:30	7.19	131.1	14.1	6.605	29.31	0
1/10/21 4:45	7.607	133.4	11.18	6.388	29.31	0
1/10/21 5:00	6.918	118.8	13.04	6.367	29.35	0
1/10/21 5:15	7.887	112.6	11.15	6.111	29.35	0
1/10/21 5:30	10.37	115.1	10.89	6.076	29.35	0
1/10/21 5:45	12.12	122.5	11.45	6.057	29.35	0
1/10/21 6:00	11.05	132.4	10.09	5.996	29.34	0
1/10/21 6:15	11.23	136.2	10.21	6.097	29.34	0
1/10/21 6:30	10.34	132.5	10.53	6.25	29.34	0
1/10/21 6:45	8.9	124	11.62	6.399	29.34	0
1/10/21 7:00	5.029	88	27.47	6.226	29.38	0
1/10/21 7:15	3.783	94.1	37.01	5.904	29.38	0
1/10/21 7:30	3.307	115.4	20.82	5.929	29.38	0
1/10/21 7:45	5.686	122.3	18.56	5.838	29.38	0
1/10/21 8:00	7.164	92.3	16.06	5.74	29.38	0
1/10/21 8:15	9.16	106.5	15.89	5.884	29.38	0
1/10/21 8:30	13.08	120	11.04	6.185	29.38	0
1/10/21 8:45	12.35	118.9	10.88	6.416	29.38	0
1/10/21 9:00	11.53	122.5	9.95	6.67	29.4	0
1/10/21 9:15	11.76	129	11.5	6.807	29.4	0
1/10/21 9:30	10.82	126.1	11.56	6.832	29.4	0
1/10/21 9:45	11.28	126.5	9.98	6.907	29.4	0
1/10/21 10:00	10.82	121.4	9.29	7.176	29.39	0
1/10/21 10:15	9.26	133.8	10.49	7.495	29.39	0
1/10/21 10:30	10.12	132	10.41	7.794	29.39	0
1/10/21 10:45	10.32	124.1	11.15	7.978	29.39	0
1/10/21 11:00	9.6	127.4	10.78	8.39	29.39	0
1/10/21 11:15	9.8	129.4	10.58	8.6	29.39	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/10/21 11:30	9.05	136.3	12.07	8.97	29.39	0
1/10/21 11:45	8.12	142.2	11.84	9.21	29.39	0
1/10/21 12:00	6.946	152.1	12.67	9.45	29.38	0
1/10/21 12:15	6.92	150.3	9.2	9.68	29.38	0
1/10/21 12:30	6.569	142.8	11.99	9.88	29.38	0
1/10/21 12:45	5.935	136.1	13.21	10.47	29.38	0
1/10/21 13:00	6.055	148	13.49	10.57	29.4	0
1/10/21 13:15	5.533	155.9	9.83	10.14	29.4	0
1/10/21 13:30	4.519	147.1	8.49	10.23	29.4	0
1/10/21 13:45	3.496	140.5	13.43	10.46	29.4	0
1/10/21 14:00	3.775	131.7	14.56	10.56	29.38	0
1/10/21 14:15	3.687	118.4	20.4	10.48	29.38	0
1/10/21 14:30	3.249	154.9	44.57	10.02	29.38	0
1/10/21 14:45	3.263	130.7	9.51	10.17	29.38	0
1/10/21 15:00	2.615	135.5	12.96	10.32	29.4	0
1/10/21 15:15	4.369	144.3	11.54	10.09	29.4	0
1/10/21 15:30	4.65	151.8	11.15	9.94	29.4	0
1/10/21 15:45	4.885	155.5	9.73	9.65	29.4	0
1/10/21 16:00	4.904	137.9	12.05	9.35	29.38	0
1/10/21 16:15	4.385	120.6	15.06	9.41	29.38	0
1/10/21 16:30	2.47	72.57	27.5	9.02	29.38	0
1/10/21 16:45	4.037	80.6	21.62	8.68	29.38	0
1/10/21 17:00	4.788	86	14.36	8.71	29.36	0
1/10/21 17:15	5.795	92	12.2	8.56	29.36	0
1/10/21 17:30	5.689	109.6	13.27	8.45	29.36	0
1/10/21 17:45	4.482	112.6	12.47	8.41	29.36	0
1/10/21 18:00	5.217	128	12.99	8.21	29.36	0
1/10/21 18:15	6.003	132.7	12.92	8.17	29.36	0
1/10/21 18:30	7.163	147.1	11.01	8.13	29.36	0
1/10/21 18:45	5.693	126	14.85	7.86	29.36	0
1/10/21 19:00	5.816	149.8	13.01	7.932	29.37	0
1/10/21 19:15	7.058	146.2	11.58	8.07	29.37	0
1/10/21 19:30	6.423	124.8	14.13	8.14	29.37	0
1/10/21 19:45	6.096	143.2	13.37	8.21	29.37	0
1/10/21 20:00	6.454	152.8	14.82	8.22	29.38	0
1/10/21 20:15	6.904	158.6	13.74	8.05	29.38	0
1/10/21 20:30	6.686	153.3	13.24	7.838	29.38	0
1/10/21 20:45	7.289	153.3	15.64	7.748	29.38	0
1/10/21 21:00	6.661	170.2	15.1	7.669	29.38	0
1/10/21 21:15	7.143	176	14.03	7.405	29.38	0
1/10/21 21:30	6.968	177.6	12.1	7.309	29.38	0
1/10/21 21:45	7.162	179.2	16.15	7.129	29.38	0
1/10/21 22:00	8.82	151.4	10.44	7.461	29.37	0
1/10/21 22:15	7.828	158.2	13.95	7.55	29.37	0
1/10/21 22:30	7.501	178.7	14.5	7.371	29.37	0
1/10/21 22:45	7.197	181.7	15.6	7.236	29.37	0
1/10/21 23:00	7.823	190.3	11.45	6.941	29.39	0
1/10/21 23:15	7.544	166.5	14.11	7.038	29.39	0
1/10/21 23:30	8.89	158.7	8.88	7.337	29.39	0
1/10/21 23:45	8.46	155.2	14.88	7.458	29.39	0
1/11/21 0:00	7.31	160.7	13.22	7.616	29.38	0
1/11/21 0:15	9.38	150.2	15.05	7.684	29.38	0
1/11/21 0:30	10.05	132.5	11.32	7.994	29.38	0
1/11/21 0:45	10.42	132.9	11.1	8.18	29.38	0
1/11/21 1:00	10.35	136.7	10.56	7.952	29.34	0
1/11/21 1:15	10.24	132.8	11.37	7.89	29.34	0
1/11/21 1:30	10.91	137.5	10.07	7.908	29.34	0
1/11/21 1:45	8.22	141.3	12.51	7.695	29.34	0
1/11/21 2:00	6.98	138.6	12.68	7.818	29.32	0
1/11/21 2:15	6.753	143.9	14.28	7.89	29.32	0
1/11/21 2:30	6.653	143.2	13.41	7.99	29.32	0
1/11/21 2:45	8.71	133.5	12.26	8.03	29.32	0
1/11/21 3:00	11.81	128	9.96	8.3	29.3	0
1/11/21 3:15	11.89	143.2	16.52	8.43	29.3	0
1/11/21 3:30	8.1	162.6	12.68	8.2	29.3	0
1/11/21 3:45	6.648	151.8	13.38	8.06	29.3	0
1/11/21 4:00	6.585	125.5	13.56	7.998	29.33	0
1/11/21 4:15	7.417	135.9	14.17	7.92	29.33	0
1/11/21 4:30	9.25	136.7	10.2	8.06	29.33	0
1/11/21 4:45	10.73	133.4	10.09	8.06	29.33	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/11/21 5:00	9.98	135.1	14.9	8.3	29.31	0
1/11/21 5:15	9.92	134.6	12.68	8.42	29.31	0
1/11/21 5:30	8.72	151.4	15.85	8.32	29.31	0
1/11/21 5:45	7.013	173.5	15.61	8.15	29.31	0
1/11/21 6:00	6.696	151.6	14.61	8.15	29.31	0
1/11/21 6:15	7.952	137.9	11.88	8.16	29.31	0
1/11/21 6:30	8.83	130.8	10.07	8.41	29.31	0
1/11/21 6:45	11.92	129.1	8.97	8.58	29.31	0
1/11/21 7:00	10.89	126.8	9.48	8.62	29.27	0
1/11/21 7:15	11.97	126.2	8.57	8.71	29.27	0
1/11/21 7:30	11.22	128.3	9.84	8.81	29.27	0
1/11/21 7:45	12.46	126	9.51	8.79	29.27	0
1/11/21 8:00	12.13	128	9.99	8.66	29.25	0
1/11/21 8:15	11.69	130.4	9.47	8.58	29.25	0
1/11/21 8:30	10.11	141.3	11.45	8.52	29.25	0
1/11/21 8:45	8.91	154.9	13.9	8.23	29.25	0
1/11/21 9:00	7.633	161	19.5	7.675	29.31	0.01
1/11/21 9:15	7.456	146.5	14.12	7.179	29.31	0.01
1/11/21 9:30	6.892	124.6	12.1	7.063	29.31	0.02
1/11/21 9:45	6.411	149.6	9.08	6.896	29.31	0.01
1/11/21 10:00	6.423	148.6	13.46	6.596	29.32	0.02
1/11/21 10:15	6.109	121.9	8.74	6.465	29.32	0.03
1/11/21 10:30	7.424	107.3	9.05	6.33	29.32	0.04
1/11/21 10:45	7.943	112.7	10.59	6.507	29.32	0.03
1/11/21 11:00	8.78	124.9	13.1	7.034	29.31	0.02
1/11/21 11:15	6.588	151.2	13.66	6.945	29.31	0.03
1/11/21 11:30	4.281	175.3	56.28	6.606	29.31	0.03
1/11/21 11:45	5.458	91.1	32.08	6.656	29.31	0.02
1/11/21 12:00	3.988	38.75	27.16	6.286	29.3	0.02
1/11/21 12:15	3.981	45.68	15.94	6.12	29.3	0.02
1/11/21 12:30	3.712	76.83	23.64	6.296	29.3	0.01
1/11/21 12:45	6.168	121.6	13.25	6.836	29.3	0.01
1/11/21 13:00	13.37	129	9.67	7.084	29.23	0.01
1/11/21 13:15	17.45	129.3	8.87	7.073	29.23	0.01
1/11/21 13:30	19.92	126.2	9.18	7.046	29.23	0
1/11/21 13:45	16.3	122.2	10.41	6.995	29.23	0.01
1/11/21 14:00	15.63	123	10.41	7.034	29.22	0
1/11/21 14:15	16.91	126	9.26	7.053	29.22	0.01
1/11/21 14:30	17.31	123.6	10.26	6.983	29.22	0.01
1/11/21 14:45	16.57	121.5	10.53	7.062	29.22	0.01
1/11/21 15:00	17.01	125.3	9.77	7.3	29.18	0.02
1/11/21 15:15	15.07	128.6	8.97	7.247	29.18	0.02
1/11/21 15:30	12.55	124.5	10.27	7.185	29.18	0.02
1/11/21 15:45	11.5	127.2	9.49	7.176	29.18	0.01
1/11/21 16:00	11.96	123.7	11	6.995	29.14	0.01
1/11/21 16:15	10.7	118.8	11.58	7.016	29.14	0.01
1/11/21 16:30	8.97	114.8	14.25	6.964	29.14	0.01
1/11/21 16:45	5.271	102.6	19.03	6.723	29.14	0.01
1/11/21 17:00	5.682	114.7	16.03	6.779	29.13	0.01
1/11/21 17:15	11.45	123.9	10.61	6.931	29.13	0
1/11/21 17:30	9.49	116.1	11.54	7.025	29.13	0.02
1/11/21 17:45	10.26	124.8	14.16	7.193	29.13	0.01
1/11/21 18:00	13.02	130.4	9.87	7.256	29.07	0.02
1/11/21 18:15	14.79	122.6	10.8	7.277	29.07	0.01
1/11/21 18:30	17.38	121.2	11.27	7.529	29.07	0.01
1/11/21 18:45	16.56	127	9.27	7.265	29.07	0.01
1/11/21 19:00	13.63	123.3	11.4	7.213	29.05	0.01
1/11/21 19:15	11.48	125.9	11.89	7.089	29.05	0.02
1/11/21 19:30	5.258	102.1	26.82	6.934	29.05	0.02
1/11/21 19:45	2.191	53.76	30.44	6.585	29.05	0.02
1/11/21 20:00	1.405	121.5	57.15	6.502	29.04	0.02
1/11/21 20:15	8.13	113.6	19.24	6.764	29.04	0.02
1/11/21 20:30	9.62	114.9	12.29	6.965	29.04	0.02
1/11/21 20:45	12	118.4	10.49	7.154	29.04	0.01
1/11/21 21:00	14.67	121.1	11.31	7.434	29	0.02
1/11/21 21:15	17.68	125.5	9.33	7.439	29	0
1/11/21 21:30	20.49	123.9	10.15	7.465	29	0.01
1/11/21 21:45	19.35	123.5	9.37	7.381	29	0.01
1/11/21 22:00	18.38	123.1	10.28	7.648	28.97	0
1/11/21 22:15	19.95	123	9.54	8.15	28.97	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/11/21 22:30	18.86	121.3	9.18	8.26	28.97	0
1/11/21 22:45	18.98	124.1	9.72	8.6	28.97	0
1/11/21 23:00	18.79	126.4	10.29	8.69	28.92	0
1/11/21 23:15	16.4	127.1	10.42	8.69	28.92	0
1/11/21 23:30	16.59	129.2	9.26	8.52	28.92	0
1/11/21 23:45	16.44	126.3	9.88	8.21	28.92	0.01
1/12/21 0:00	17.09	125.1	8.48	7.983	28.92	0.03
1/12/21 0:15	17.34	124	8.88	7.757	28.92	0.03
1/12/21 0:30	17.63	122.4	8.85	7.759	28.92	0.03
1/12/21 0:45	17.7	119.5	9.19	7.892	28.92	0.02
1/12/21 1:00	18.14	122.4	8.52	8.19	28.91	0.03
1/12/21 1:15	16.78	124.4	9.09	8.11	28.91	0.03
1/12/21 1:30	18.41	122.4	8.88	8.38	28.91	0.03
1/12/21 1:45	18.72	122.8	8.66	8.57	28.91	0.03
1/12/21 2:00	17.65	122.7	9.78	8.54	28.89	0.04
1/12/21 2:15	18.14	124	10.41	8.63	28.89	0.03
1/12/21 2:30	20.16	118.4	10.67	8.97	28.89	0.05
1/12/21 2:45	17.8	128.6	9.65	8.45	28.89	0.06
1/12/21 3:00	18.18	124	8.78	7.977	28.86	0.06
1/12/21 3:15	17.98	122.5	8.51	8.24	28.86	0.05
1/12/21 3:30	16.14	123.6	8.01	8.58	28.86	0.04
1/12/21 3:45	15.88	121	8.47	8.67	28.86	0.03
1/12/21 4:00	15.24	121.7	8.26	8.48	28.83	0.04
1/12/21 4:15	14.94	119.1	8.6	8.57	28.83	0.03
1/12/21 4:30	14.13	116.3	8.61	8.87	28.83	0.02
1/12/21 4:45	12.95	120.1	8.1	9.18	28.83	0.02
1/12/21 5:00	12.28	122.4	8.67	9.12	28.83	0.02
1/12/21 5:15	11.36	122.4	8.58	9	28.83	0.03
1/12/21 5:30	10.59	126.6	9.75	8.87	28.83	0.03
1/12/21 5:45	10.37	132.4	10.47	8.8	28.83	0.04
1/12/21 6:00	10.28	126.5	10.49	8.81	28.83	0.04
1/12/21 6:15	11.13	124.8	10.11	8.9	28.83	0.03
1/12/21 6:30	10.83	124.8	9.36	8.75	28.83	0.01
1/12/21 6:45	11.64	120.4	8.14	8.88	28.83	0.05
1/12/21 7:00	11.71	122.1	8.23	9.08	28.82	0.03
1/12/21 7:15	12.1	120.1	9	9.17	28.82	0.02
1/12/21 7:30	11.63	119.9	8.4	9.34	28.82	0.01
1/12/21 7:45	11.64	124.9	8.57	9.38	28.82	0.01
1/12/21 8:00	11.34	123.4	8.08	9.4	28.82	0.02
1/12/21 8:15	11.65	122.8	7.136	9.41	28.82	0.01
1/12/21 8:30	10.16	125.7	9.15	9.58	28.82	0.02
1/12/21 8:45	9.22	136.9	8.25	9.61	28.82	0.05
1/12/21 9:00	8.5	140	9.66	9.65	28.85	0.04
1/12/21 9:15	7.294	141	7.455	9.65	28.85	0.05
1/12/21 9:30	7.739	138.1	7.708	9.76	28.85	0.05
1/12/21 9:45	7.771	139.3	7.819	9.9	28.85	0.04
1/12/21 10:00	7.023	130.6	8.56	10.02	28.92	0.02
1/12/21 10:15	7.175	136.8	9.44	10.24	28.92	0.02
1/12/21 10:30	7.58	140.5	8.57	10.37	28.92	0.01
1/12/21 10:45	8.42	141.2	6.117	10.38	28.92	0.01
1/12/21 11:00	8.25	145.1	8.09	10.51	28.97	0.01
1/12/21 11:15	8.09	152.5	9.44	10.65	28.97	0.02
1/12/21 11:30	8.79	147.6	9.23	10.81	28.97	0.02
1/12/21 11:45	10.07	157.9	11.58	10.96	28.97	0.01
1/12/21 12:00	11.01	161.5	8.56	11.1	28.93	0
1/12/21 12:15	9.68	155.8	9.37	11.27	28.93	0
1/12/21 12:30	10.24	148	9.12	11.43	28.93	0
1/12/21 12:45	9.76	150.5	7.804	11.5	28.93	0
1/12/21 13:00	9.12	154.2	9.96	11.52	28.94	0.01
1/12/21 13:15	10.29	162.2	9.67	11.6	28.94	0.01
1/12/21 13:30	8.02	149.3	10.22	11.62	28.94	0
1/12/21 13:45	7.333	131.2	9.1	11.61	28.94	0.01
1/12/21 14:00	6.242	126.9	12.62	11.72	28.93	0.01
1/12/21 14:15	5.44	126.3	10.61	11.66	28.93	0
1/12/21 14:30	4.281	119.4	13.42	11.69	28.93	0
1/12/21 14:45	5.133	116.5	8.88	11.65	28.93	0
1/12/21 15:00	4.899	124.1	9.81	11.82	28.92	0
1/12/21 15:15	4.041	126.2	13.27	11.94	28.92	0
1/12/21 15:30	5.396	128.8	10.41	11.99	28.92	0
1/12/21 15:45	5.714	126.3	8.85	12.1	28.92	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/12/21 16:00	6.068	127.6	6.319	12.06	28.89	0
1/12/21 16:15	7.461	124.8	6.896	11.97	28.89	0
1/12/21 16:30	8.45	134	8.54	11.87	28.89	0
1/12/21 16:45	6.529	127.2	18.28	11.76	28.89	0
1/12/21 17:00	7.996	151.7	18.67	11.23	28.85	0.01
1/12/21 17:15	8.93	149.3	11.51	10.88	28.85	0.06
1/12/21 17:30	8.01	122.5	11.14	10.83	28.85	0.05
1/12/21 17:45	7.835	115	13.66	11.06	28.85	0.03
1/12/21 18:00	9.51	128	8.73	11.25	28.84	0.03
1/12/21 18:15	7.932	143.1	12.92	11.04	28.84	0.02
1/12/21 18:30	6.979	127.3	24.65	10.84	28.84	0.07
1/12/21 18:45	8.78	130.9	10.71	10.97	28.84	0.06
1/12/21 19:00	12.59	128	11.02	11	28.77	0.05
1/12/21 19:15	13.96	119.9	8.65	11.27	28.77	0.02
1/12/21 19:30	11.92	125.9	10.73	11.55	28.77	0.01
1/12/21 19:45	11.31	130.8	8.93	11.42	28.77	0
1/12/21 20:00	12	127.9	8.02	11.45	28.77	0.01
1/12/21 20:15	12.08	137	7.776	11.61	28.77	0.03
1/12/21 20:30	11.16	131.3	8.89	11.58	28.77	0.02
1/12/21 20:45	11.01	135.8	8.04	11.96	28.77	0.03
1/12/21 21:00	10.91	141.8	6.777	12.18	28.73	0.03
1/12/21 21:15	13.48	143.4	7.197	12.37	28.73	0.03
1/12/21 21:30	15.04	138.4	7.477	12.61	28.73	0.02
1/12/21 21:45	14.46	139.2	7.251	12.87	28.73	0.03
1/12/21 22:00	14.16	139.1	6.732	12.9	28.7	0.01
1/12/21 22:15	13.21	139.5	6.812	12.96	28.7	0.01
1/12/21 22:30	12.78	150.8	8.4	13	28.7	0.03
1/12/21 22:45	12.63	152.2	5.307	12.82	28.7	0.02
1/12/21 23:00	12.44	148.4	5.371	12.78	28.68	0.02
1/12/21 23:15	13.64	149.4	6.732	12.75	28.68	0.02
1/12/21 23:30	15.27	162.7	9.23	12.87	28.68	0.03
1/12/21 23:45	15.21	162.9	9.01	12.69	28.68	0.04
1/13/21 0:00	15.47	168	7.772	12.66	28.69	0.04
1/13/21 0:15	23.44	189.1	16.45	12.91	28.69	0.05
1/13/21 0:30	34	232.8	10.24	11.97	28.69	0.09
1/13/21 0:45	29.5	224.6	11.81	11.01	28.69	0.02
1/13/21 1:00	30.24	213.7	8.43	10.68	28.78	0
1/13/21 1:15	33.05	217.9	8.87	10.29	28.78	0
1/13/21 1:30	32.08	216.4	9.46	9.55	28.78	0
1/13/21 1:45	33.57	212.9	9.21	8.84	28.78	0
1/13/21 2:00	29.51	208.3	7.917	8.35	28.93	0
1/13/21 2:15	30.55	207.4	8.62	8.07	28.93	0
1/13/21 2:30	30.87	211.5	7.611	7.92	28.93	0
1/13/21 2:45	27.54	208.3	9.54	7.768	28.93	0
1/13/21 3:00	27.86	210.5	8.48	7.583	29.04	0
1/13/21 3:15	25.16	207.8	8.59	7.323	29.04	0
1/13/21 3:30	23.13	216.5	9.77	7.163	29.04	0
1/13/21 3:45	26.45	210.9	9.68	7.069	29.04	0
1/13/21 4:00	24.64	212	8.98	6.954	29.1	0
1/13/21 4:15	22.69	217	10.12	6.94	29.1	0
1/13/21 4:30	22.83	214.5	9.66	6.927	29.1	0
1/13/21 4:45	19.96	215.4	11.53	6.794	29.1	0
1/13/21 5:00	19.56	219.4	9.13	6.693	29.2	0
1/13/21 5:15	14.55	215.6	9.02	6.52	29.2	0
1/13/21 5:30	12.84	208.3	10.17	6.406	29.2	0
1/13/21 5:45	8.01	196.2	24.78	6.301	29.2	0
1/13/21 6:00	3.011	169.1	46.93	6.139	29.27	0
1/13/21 6:15	6.276	173	21.09	6.276	29.27	0
1/13/21 6:30	7.256	174.9	13.85	6.038	29.27	0
1/13/21 6:45	7.122	181.8	13.4	5.934	29.27	0
1/13/21 7:00	9.36	203.6	12.29	5.803	29.31	0
1/13/21 7:15	12.71	206.6	13.12	5.774	29.31	0
1/13/21 7:30	14.66	212.7	9.46	5.661	29.31	0
1/13/21 7:45	17.09	220.7	8.37	5.667	29.31	0
1/13/21 8:00	15.16	225.8	10.03	5.631	29.36	0
1/13/21 8:15	12.59	215.7	13.13	5.537	29.36	0
1/13/21 8:30	9.18	214.6	14.03	5.55	29.36	0
1/13/21 8:45	11.4	223.4	10.3	5.587	29.36	0
1/13/21 9:00	15.32	221.8	10.19	5.665	29.45	0
1/13/21 9:15	12.96	229.1	9.29	5.589	29.45	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/13/21 9:30	11.08	232.8	14.96	5.713	29.45	0
1/13/21 9:45	7.41	226.8	15.61	5.833	29.45	0
1/13/21 10:00	8.81	225.8	12.62	5.813	29.48	0
1/13/21 10:15	8.71	203.4	12.11	5.746	29.48	0
1/13/21 10:30	7.528	205.8	14.14	5.766	29.48	0
1/13/21 10:45	7.746	213.6	16.51	5.87	29.48	0
1/13/21 11:00	7.477	201.2	18.74	5.974	29.56	0
1/13/21 11:15	5.321	180.7	23.47	6.189	29.56	0
1/13/21 11:30	6.267	178.4	16.74	6.763	29.56	0
1/13/21 11:45	6.813	175.8	15.48	6.688	29.56	0
1/13/21 12:00	3.736	180.2	33.85	6.996	29.57	0
1/13/21 12:15	6.972	214.6	21.52	7.103	29.57	0
1/13/21 12:30	7.701	223.2	15.01	7.256	29.57	0
1/13/21 12:45	6.395	225.2	11.25	7.471	29.57	0
1/13/21 13:00	6.08	227	15.74	7.588	29.55	0
1/13/21 13:15	6.527	214	13.67	7.799	29.55	0
1/13/21 13:30	6.168	222.3	8.88	7.8	29.55	0
1/13/21 13:45	8.55	214.3	9.99	7.817	29.55	0
1/13/21 14:00	8.02	216.1	9.96	7.935	29.57	0
1/13/21 14:15	8.39	210.5	7.795	7.828	29.57	0
1/13/21 14:30	8.06	215.4	9.16	7.714	29.57	0
1/13/21 14:45	8.43	221.2	8.5	7.925	29.57	0
1/13/21 15:00	9.59	228.4	11.19	8.1	29.62	0
1/13/21 15:15	12.4	225.5	8.51	8.05	29.62	0
1/13/21 15:30	12.58	233.4	8.24	7.912	29.62	0
1/13/21 15:45	11.81	235	8.64	8.21	29.62	0
1/13/21 16:00	11.01	233.7	9.76	8.26	29.66	0
1/13/21 16:15	8.25	227.6	9.75	8.13	29.66	0
1/13/21 16:30	8.24	211.9	5.259	7.848	29.66	0
1/13/21 16:45	7.147	206.6	7.102	7.744	29.66	0
1/13/21 17:00	6.865	197.7	11.38	7.614	29.68	0
1/13/21 17:15	4.975	177.3	15.89	7.154	29.68	0
1/13/21 17:30	4.594	175.2	15.12	6.87	29.68	0
1/13/21 17:45	3.203	147.9	6.211	6.682	29.68	0
1/13/21 18:00	3.033	131.9	14.19	6.676	29.67	0
1/13/21 18:15	3.225	130.1	15.59	6.541	29.67	0
1/13/21 18:30	3.663	141.7	10.09	6.471	29.67	0
1/13/21 18:45	4.174	151.6	7.999	6.447	29.67	0
1/13/21 19:00	3.73	147.2	6.345	6.405	29.68	0
1/13/21 19:15	2.911	125.1	12.53	6.347	29.68	0
1/13/21 19:30	3.305	109.9	11.43	5.981	29.68	0
1/13/21 19:45	3.648	123.1	5.967	6.127	29.68	0
1/13/21 20:00	4.356	129.6	5.765	6.146	29.67	0
1/13/21 20:15	4.49	122.2	7.17	6.026	29.67	0
1/13/21 20:30	4.732	134	5.426	5.952	29.67	0
1/13/21 20:45	4.436	111.8	11.79	5.186	29.67	0
1/13/21 21:00	6.138	117.3	5.812	5.695	29.65	0
1/13/21 21:15	5.161	113	7.624	5.827	29.65	0
1/13/21 21:30	4.834	121.9	9.52	5.777	29.65	0
1/13/21 21:45	3.869	152.1	9.59	5.604	29.65	0
1/13/21 22:00	4.121	156.1	14.32	4.705	29.67	0
1/13/21 22:15	3.923	145.7	11.17	4.855	29.67	0
1/13/21 22:30	4.426	157.1	12.25	4.754	29.67	0
1/13/21 22:45	4.961	137.7	7.666	4.753	29.67	0
1/13/21 23:00	5.234	114.7	14.79	4.897	29.69	0
1/13/21 23:15	5.147	114.9	20.4	4.526	29.69	0
1/13/21 23:30	5.039	154.4	8.16	5.254	29.69	0
1/13/21 23:45	3.698	124.1	27.86	5.211	29.69	0
1/14/21 0:00	4.383	71.84	8.45	4.279	29.69	0
1/14/21 0:15	4.569	86.5	7.912	5.069	29.69	0
1/14/21 0:30	4.147	80.5	13.91	4.721	29.69	0
1/14/21 0:45	4.54	68.8	7.538	4.73	29.69	0
1/14/21 1:00	3.314	66.84	13.81	4.119	29.65	0
1/14/21 1:15	2.323	43.48	17.47	3.451	29.65	0
1/14/21 1:30	3.308	14.65	5.995	3.363	29.65	0
1/14/21 1:45	4.715	13.68	7.169	3.155	29.65	0
1/14/21 2:00	3.127	37.88	9.13	3.291	29.65	0
1/14/21 2:15	4.854	21.38	7.662	3.135	29.65	0
1/14/21 2:30	5.48	24.58	6.831	3.081	29.65	0
1/14/21 2:45	5.271	28.48	8.86	2.986	29.65	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/14/21 3:00	4.511	23.96	10.89	2.962	29.64	0
1/14/21 3:15	4.778	34.67	13.32	3.077	29.64	0
1/14/21 3:30	4.055	28.83	11.83	2.835	29.64	0
1/14/21 3:45	3.757	17.85	16.95	3.204	29.64	0
1/14/21 4:00	3.949	17.2	8.75	2.991	29.62	0
1/14/21 4:15	3.315	29.95	9.43	3.677	29.62	0
1/14/21 4:30	3.365	17.27	9.93	3.683	29.62	0
1/14/21 4:45	4.37	27.95	5.251	3.709	29.62	0
1/14/21 5:00	5.126	23.35	5.566	3.973	29.6	0
1/14/21 5:15	4.658	24.89	6.357	4.019	29.6	0
1/14/21 5:30	3.463	19.07	8.73	4.04	29.6	0
1/14/21 5:45	4.259	32.38	11.6	3.814	29.6	0
1/14/21 6:00	5.595	22.65	8.54	3.48	29.57	0
1/14/21 6:15	5.344	20.37	7.356	4.137	29.57	0
1/14/21 6:30	5.693	25.05	9.52	3.92	29.57	0
1/14/21 6:45	5.285	18.55	9.72	3.878	29.57	0
1/14/21 7:00	4.668	1.633	22.65	3.618	29.54	0
1/14/21 7:15	5.293	322.8	16.43	4.591	29.54	0
1/14/21 7:30	3.262	336.2	31.7	4.404	29.54	0
1/14/21 7:45	4.221	311.3	20.27	4.819	29.54	0
1/14/21 8:00	4.841	298.1	24.34	4.722	29.54	0
1/14/21 8:15	5.902	273.1	11.97	5.411	29.54	0
1/14/21 8:30	3.177	253	58.81	5	29.54	0
1/14/21 8:45	3.909	110.6	18.08	5.208	29.54	0
1/14/21 9:00	7.408	109.1	11.46	5.805	29.58	0
1/14/21 9:15	8.22	187.6	21.43	3.747	29.58	0
1/14/21 9:30	7.724	183.8	12.35	3.912	29.58	0
1/14/21 9:45	6.173	174.3	10.71	6.227	29.58	0
1/14/21 10:00	6.002	173.3	15.65	6.869	29.59	0
1/14/21 10:15	5.581	119.4	57.25	6.619	29.59	0
1/14/21 10:30	2.246	73.33	39.49	6.423	29.59	0
1/14/21 10:45	3.422	38.91	24.02	5.818	29.59	0
1/14/21 11:00	3.424	57.85	16.1	5.973	29.56	0
1/14/21 11:15	4.262	83.6	16.99	7.445	29.56	0
1/14/21 11:30	4.761	121.2	24.12	9.09	29.56	0
1/14/21 11:45	7.575	132.3	15.8	10.58	29.56	0
1/14/21 12:00	9.79	138.8	13.36	11.32	29.55	0
1/14/21 12:15	9.3	134.3	20.17	11.88	29.55	0
1/14/21 12:30	7.54	115.6	21.06	11.71	29.55	0
1/14/21 12:45	6.903	104.2	25.47	11.86	29.55	0
1/14/21 13:00	4.992	99.1	25.17	11.95	29.53	0
1/14/21 13:15	6.135	107.7	20.62	12.23	29.53	0
1/14/21 13:30	9.52	120	17.48	12.6	29.53	0
1/14/21 13:45	7.524	114.5	16.68	12.65	29.53	0
1/14/21 14:00	7.275	111.7	17.84	12.19	29.49	0
1/14/21 14:15	10.31	126.8	14.85	12.23	29.49	0
1/14/21 14:30	13.27	132.8	9.92	12.44	29.49	0
1/14/21 14:45	11.58	129.8	11.57	12.43	29.49	0
1/14/21 15:00	8.74	137.2	13.25	12.37	29.5	0
1/14/21 15:15	9.72	137.9	13.88	12.16	29.5	0
1/14/21 15:30	12.72	135.9	12.95	11.95	29.5	0
1/14/21 15:45	14.14	131.5	11.65	11.72	29.5	0
1/14/21 16:00	15.36	131.6	10.08	11.74	29.48	0
1/14/21 16:15	15.24	128.7	12.52	11.68	29.48	0
1/14/21 16:30	15.95	132.3	10.17	11.3	29.48	0
1/14/21 16:45	16.73	135.3	11.6	11.1	29.48	0
1/14/21 17:00	16.56	132.2	10.31	10.93	29.47	0
1/14/21 17:15	15.63	136.9	10.52	10.73	29.47	0
1/14/21 17:30	15.44	129.9	10.92	10.59	29.47	0
1/14/21 17:45	14.45	131.9	11.78	10.58	29.47	0
1/14/21 18:00	13.98	130.1	12.21	10.37	29.44	0
1/14/21 18:15	15.56	132.3	11.31	10.34	29.44	0
1/14/21 18:30	16.87	136.3	10.31	10.53	29.44	0
1/14/21 18:45	14.33	132.7	11.55	10.47	29.44	0
1/14/21 19:00	13.21	139.8	15.29	10.47	29.45	0
1/14/21 19:15	15.05	157.8	9.71	10.26	29.45	0
1/14/21 19:30	14.2	155	10.47	10.18	29.45	0
1/14/21 19:45	14.55	144.8	12.05	10.33	29.45	0
1/14/21 20:00	14.96	155.8	12.39	10.35	29.48	0
1/14/21 20:15	14.18	170	12.36	10.26	29.48	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/14/21 20:30	15.64	165.9	13.79	10.14	29.48	0
1/14/21 20:45	13.95	143.3	12.68	10.44	29.48	0
1/14/21 21:00	10.27	122.4	14.84	10.89	29.45	0
1/14/21 21:15	8.2	123.3	16.58	11.02	29.45	0
1/14/21 21:30	8.65	125.3	17.62	10.66	29.45	0
1/14/21 21:45	6.017	129.4	46.71	10.4	29.45	0
1/14/21 22:00	6.428	187.5	16.81	10.19	29.48	0
1/14/21 22:15	6.944	145.5	14.3	9.7	29.48	0
1/14/21 22:30	8.54	157	10.28	9.61	29.48	0
1/14/21 22:45	7.754	147.4	14.25	9.71	29.48	0
1/14/21 23:00	5.943	160.6	30.35	9.62	29.51	0
1/14/21 23:15	8.06	152.5	19.91	9.62	29.51	0
1/14/21 23:30	8.53	147.8	17.68	9.16	29.51	0
1/14/21 23:45	8.41	125.3	11.88	9.3	29.51	0
1/15/21 0:00	11.06	126.6	11.75	9.21	29.51	0
1/15/21 0:15	12.93	135.3	11.62	8.48	29.51	0
1/15/21 0:30	14.18	133.3	10.88	6.929	29.51	0
1/15/21 0:45	15.74	129.5	9.56	6.021	29.51	0.01
1/15/21 1:00	14.87	131.4	10.51	5.743	29.49	0
1/15/21 1:15	13.54	132.7	10.48	5.715	29.49	0
1/15/21 1:30	13.98	132.3	9.79	6.355	29.49	0.01
1/15/21 1:45	10.94	131.2	9.39	6.454	29.49	0
1/15/21 2:00	10.13	136.2	10.36	6.522	29.48	0
1/15/21 2:15	9.3	139.6	10.4	6.441	29.48	0.01
1/15/21 2:30	10.04	136	9.31	6.63	29.48	0
1/15/21 2:45	8.57	148.4	14.04	6.875	29.48	0
1/15/21 3:00	7.201	158.5	10.76	6.794	29.5	0
1/15/21 3:15	7.143	161	16.87	6.825	29.5	0
1/15/21 3:30	6.421	145.9	9.24	6.708	29.5	0.01
1/15/21 3:45	7.186	146.4	9.17	6.821	29.5	0.01
1/15/21 4:00	6.284	141.2	11.59	7.013	29.49	0.01
1/15/21 4:15	5.445	148.8	11.67	7.044	29.49	0.01
1/15/21 4:30	5.012	128.9	17.67	7.153	29.49	0
1/15/21 4:45	4.772	136.8	12.66	7.381	29.49	0
1/15/21 5:00	5.054	130.2	8.54	7.576	29.5	0.01
1/15/21 5:15	3.019	146.6	13.43	7.915	29.5	0
1/15/21 5:30	4.095	159.5	8.64	7.673	29.5	0
1/15/21 5:45	2.484	177.4	24.54	7.804	29.5	0
1/15/21 6:00	3.764	193.2	8.18	7.772	29.53	0
1/15/21 6:15	2.431	194.8	58.42	7.633	29.53	0.01
1/15/21 6:30	3.539	281.1	10.92	7.576	29.53	0
1/15/21 6:45	4.419	296.9	5.338	7.703	29.53	0
1/15/21 7:00	3.251	302.5	5.346	7.76	29.56	0
1/15/21 7:15	1.025	277.2	19.91	7.715	29.56	0.01
1/15/21 7:30	3.159	188.3	9.09	7.315	29.56	0
1/15/21 7:45	2.369	179.9	5.975	7.218	29.56	0.01
1/15/21 8:00	0.215	53.05	28.77	7.322	29.57	0
1/15/21 8:15	1.155	32.53	6.167	7.471	29.57	0
1/15/21 8:30	2.436	59.4	19.98	7.295	29.57	0
1/15/21 8:45	4.499	60.67	16.82	7.507	29.57	0
1/15/21 9:00	5.416	54.94	10.75	7.574	29.55	0
1/15/21 9:15	4.029	75.82	23.56	7.622	29.55	0.01
1/15/21 9:30	3.282	21.46	19.41	7.75	29.55	0
1/15/21 9:45	1.49	324.7	19.21	7.745	29.55	0
1/15/21 10:00	0.459	233.5	35.39	7.859	29.56	0
1/15/21 10:15	0.936	92	47.15	7.71	29.56	0
1/15/21 10:30	1.123	152.6	24.4	7.881	29.56	0
1/15/21 10:45	0.997	103.3	37.9	8.42	29.56	0
1/15/21 11:00	2.356	169.5	15.24	8.8	29.57	0
1/15/21 11:15	2.777	172.4	12.16	8.74	29.57	0
1/15/21 11:30	3.787	148.9	14.84	9.14	29.57	0
1/15/21 11:45	4.677	140.9	13.63	8.76	29.57	0
1/15/21 12:00	3.153	150.6	12.97	8.8	29.54	0
1/15/21 12:15	2.116	129.6	15.77	8.91	29.54	0
1/15/21 12:30	1.698	31.62	38.5	8.9	29.54	0
1/15/21 12:45	2.448	4.416	14.94	8.76	29.54	0
1/15/21 13:00	1.125	20.39	19.8	8.96	29.56	0
1/15/21 13:15	1.236	46.79	15.87	9.2	29.56	0
1/15/21 13:30	0.998	74.11	29.58	9.28	29.56	0
1/15/21 13:45	1.984	65.67	19.51	9.22	29.56	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/15/21 14:00	1.29	68.12	27.97	9.51	29.57	0
1/15/21 14:15	1.966	23.17	7.882	9.73	29.57	0
1/15/21 14:30	3.01	47.61	22.45	9.76	29.57	0
1/15/21 14:45	2.665	68.7	9.6	9.25	29.57	0
1/15/21 15:00	2.913	100.8	58.02	10.11	29.58	0
1/15/21 15:15	4.582	169.7	15.22	10.41	29.58	0
1/15/21 15:30	3.7	145.1	13.84	9.95	29.58	0
1/15/21 15:45	3.465	129	7.332	9.5	29.58	0
1/15/21 16:00	2.851	93	20.47	9.29	29.59	0
1/15/21 16:15	2.185	59.19	5.403	9.13	29.59	0
1/15/21 16:30	2.091	56.33	13.08	9.03	29.59	0
1/15/21 16:45	1.553	44.6	4.654	8.93	29.59	0
1/15/21 17:00	1.213	49.02	2.398	9	29.62	0
1/15/21 17:15	1.927	48.18	8.16	8.54	29.62	0
1/15/21 17:30	1.227	85	32.93	7.957	29.62	0
1/15/21 17:45	2.174	56.45	23.5	7.562	29.62	0
1/15/21 18:00	1.699	37.79	11.94	7.303	29.6	0
1/15/21 18:15	3.288	32.46	5.118	6.892	29.6	0
1/15/21 18:30	2.696	27.74	5.248	6.741	29.6	0
1/15/21 18:45	2.851	42.32	5.844	6.722	29.6	0
1/15/21 19:00	2.087	34.05	7.57	7.133	29.59	0
1/15/21 19:15	1.416	155.5	22.22	7.323	29.59	0
1/15/21 19:30	1.359	123.3	15.9	7.289	29.59	0
1/15/21 19:45	1.775	140.7	66.01	7.242	29.59	0
1/15/21 20:00	0.517	42.53	2.459	6.697	29.63	0
1/15/21 20:15	0.479	69.81	9.03	7.125	29.63	0
1/15/21 20:30	1.945	107.8	21.86	7.15	29.63	0
1/15/21 20:45	3.102	148.7	16.14	6.97	29.63	0
1/15/21 21:00	2.42	143.5	22.88	6.94	29.6	0
1/15/21 21:15	1.424	60.99	14.74	6.293	29.6	0
1/15/21 21:30	4.201	105.7	5.695	6.001	29.6	0
1/15/21 21:45	2.866	106.7	6.328	5.857	29.6	0
1/15/21 22:00	1.45	83.7	8.32	6.321	29.6	0
1/15/21 22:15	2.075	134.3	18.64	6.408	29.6	0
1/15/21 22:30	1.59	123.3	4.36	5.991	29.6	0
1/15/21 22:45	1.928	146.3	8.36	5.715	29.6	0
1/15/21 23:00	1.156	86.7	25.86	5.182	29.62	0
1/15/21 23:15	0.799	72.14	6.483	5.036	29.62	0
1/15/21 23:30	2.069	144.2	17.04	5.206	29.62	0
1/15/21 23:45	1.529	173.1	14.02	5.129	29.62	0
1/16/21 0:00	1.264	60.8	63.52	4.648	29.62	0
1/16/21 0:15	1.117	18.71	3.416	4.235	29.62	0
1/16/21 0:30	0.271	331.2	25.6	4.322	29.62	0
1/16/21 0:45	1.194	268.9	34.81	4.368	29.62	0
1/16/21 1:00	1.772	181.6	24.63	4.069	29.61	0
1/16/21 1:15	0.898	135.5	46.84	4.037	29.61	0
1/16/21 1:30	1.166	43.96	3.064	3.546	29.61	0
1/16/21 1:45	0.11	43.63	2.06	3.355	29.61	0
1/16/21 2:00	1.921	74.37	11.29	3.281	29.6	0
1/16/21 2:15	2.639	111.7	18.87	2.985	29.6	0
1/16/21 2:30	3.022	134.1	20.67	3.378	29.6	0
1/16/21 2:45	1.606	79.91	11.45	3.265	29.6	0
1/16/21 3:00	0.649	121.2	38.25	3.399	29.6	0
1/16/21 3:15	2.025	177.5	39.82	3.422	29.6	0
1/16/21 3:30	0.358	71.31	30.96	3.055	29.6	0
1/16/21 3:45	1.454	333.3	31.34	2.789	29.6	0
1/16/21 4:00	0	0	0	3.107	29.59	0
1/16/21 4:15	0.42	6.686	5.302	3.278	29.59	0
1/16/21 4:30	1	358.2	26.9	3.127	29.59	0
1/16/21 4:45	0.756	309.8	14.04	3.298	29.59	0
1/16/21 5:00	2.09	103.1	69.49	2.908	29.58	0
1/16/21 5:15	2.561	130.1	4.907	3.098	29.58	0
1/16/21 5:30	1.423	106.7	5.162	3.505	29.58	0
1/16/21 5:45	0.994	81.8	40.94	3.599	29.58	0
1/16/21 6:00	3.024	354.4	13.15	3.876	29.57	0
1/16/21 6:15	3.54	318.4	6.869	3.402	29.57	0
1/16/21 6:30	3.758	289	12.98	3.586	29.57	0
1/16/21 6:45	3.409	270.7	7.914	3.631	29.57	0
1/16/21 7:00	4.008	289.6	3.969	3.662	29.57	0
1/16/21 7:15	4.043	288.9	4.241	3.518	29.57	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/16/21 7:30	2.076	282	9.32	3.461	29.57	0
1/16/21 7:45	1.319	163.3	50.75	3.13	29.57	0
1/16/21 8:00	3.04	125.8	6.373	2.934	29.54	0
1/16/21 8:15	2.602	117.2	6.606	3.069	29.54	0
1/16/21 8:30	1.349	87.6	24.54	3.489	29.54	0
1/16/21 8:45	0.526	45.65	13.79	3.921	29.54	0
1/16/21 9:00	0.927	198.1	22.73	3.975	29.55	0
1/16/21 9:15	3.185	221.8	7.476	4.579	29.55	0
1/16/21 9:30	2.974	224.1	11.88	4.686	29.55	0
1/16/21 9:45	2.936	200.7	7.428	4.394	29.55	0
1/16/21 10:00	3.809	163	9.61	4.367	29.54	0
1/16/21 10:15	3.962	158.9	5.915	4.357	29.54	0
1/16/21 10:30	2.132	134.1	17.1	4.638	29.54	0
1/16/21 10:45	1.798	121.7	9.45	5.307	29.54	0
1/16/21 11:00	2.634	181.5	29.86	5.801	29.54	0
1/16/21 11:15	3.329	193.5	10.17	5.707	29.54	0
1/16/21 11:30	4.211	206.5	8.59	6.103	29.54	0
1/16/21 11:45	3.521	220.8	10.24	6.188	29.54	0
1/16/21 12:00	0.6	285.8	43.01	6.514	29.52	0
1/16/21 12:15	2.189	309.1	58.36	6.761	29.52	0
1/16/21 12:30	4.151	300.1	8.8	6.507	29.52	0
1/16/21 12:45	1.955	13.99	40.21	6.638	29.52	0
1/16/21 13:00	2.851	19.94	13.6	6.427	29.55	0
1/16/21 13:15	2.167	341.8	19.56	6.615	29.55	0
1/16/21 13:30	3.238	327	11.3	6.983	29.55	0
1/16/21 13:45	3.07	327	20.74	7.071	29.55	0
1/16/21 14:00	1.696	43.69	7.334	6.589	29.56	0
1/16/21 14:15	2.285	40.81	10.33	6.359	29.56	0
1/16/21 14:30	1.574	61.72	10.7	6.37	29.56	0
1/16/21 14:45	1.468	85.3	31.42	6.516	29.56	0
1/16/21 15:00	2.031	144.7	11.9	6.81	29.54	0
1/16/21 15:15	1.276	170.3	30.7	7.123	29.54	0
1/16/21 15:30	1.947	274.5	23.02	7.234	29.54	0
1/16/21 15:45	2.896	17.87	25.85	6.936	29.54	0
1/16/21 16:00	1.877	24.71	7.456	6.134	29.53	0
1/16/21 16:15	1.937	19.69	12.36	6.115	29.53	0
1/16/21 16:30	2.377	36.59	8.44	6.005	29.53	0
1/16/21 16:45	1.71	23.17	17.07	5.869	29.53	0
1/16/21 17:00	2.028	271.2	27.27	6.29	29.54	0
1/16/21 17:15	0.979	306.7	35.2	6.262	29.54	0
1/16/21 17:30	0.65	3.261	7.902	6.023	29.54	0
1/16/21 17:45	1.368	288	7.577	6.068	29.54	0
1/16/21 18:00	1.31	54.99	3.916	5.812	29.51	0
1/16/21 18:15	2.035	66.34	10.99	5.568	29.51	0
1/16/21 18:30	2.766	108.6	11.69	5.575	29.51	0
1/16/21 18:45	3.906	137.6	11.97	5.778	29.51	0
1/16/21 19:00	5.035	175.1	11.76	5.75	29.51	0
1/16/21 19:15	5.404	164	13.4	5.75	29.51	0
1/16/21 19:30	4.844	151.7	13.59	5.54	29.51	0
1/16/21 19:45	6.051	190.9	9.53	5.638	29.51	0
1/16/21 20:00	6.163	192.2	8.87	5.356	29.47	0
1/16/21 20:15	5.598	187	12.25	5.693	29.47	0
1/16/21 20:30	3.864	166.6	6.746	5.786	29.47	0
1/16/21 20:45	2.225	182.9	49.93	6.067	29.47	0
1/16/21 21:00	3.773	274.1	7.484	5.474	29.51	0
1/16/21 21:15	2.772	276.5	11.07	5.565	29.51	0
1/16/21 21:30	0.243	292.2	16.49	5.422	29.51	0
1/16/21 21:45	1.238	64.55	7.852	5.216	29.51	0
1/16/21 22:00	2.127	87.2	16.18	5.136	29.5	0
1/16/21 22:15	4.659	162.3	18.63	5.595	29.5	0
1/16/21 22:30	6.794	192.2	7.13	5.251	29.5	0
1/16/21 22:45	6.896	176.8	12.02	5.371	29.5	0
1/16/21 23:00	5.469	134.9	10.21	5.607	29.5	0
1/16/21 23:15	4.329	122.3	18.59	5.707	29.5	0
1/16/21 23:30	2.876	108.1	19.17	5.349	29.5	0
1/16/21 23:45	5.567	133.3	13.89	5.981	29.5	0
1/17/21 0:00	5.188	156.7	37.93	5.784	29.52	0.01
1/17/21 0:15	7.116	177.4	7.704	5.433	29.52	0
1/17/21 0:30	5.379	166.6	13.7	5.664	29.52	0
1/17/21 0:45	5.071	163	11.58	5.262	29.52	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/17/21 1:00	6.346	139	21.23	5.396	29.51	0
1/17/21 1:15	3.444	105.8	19.17	5.064	29.51	0
1/17/21 1:30	4.654	127.2	20.22	5.813	29.51	0.01
1/17/21 1:45	6.837	151.2	23.51	5.677	29.51	0
1/17/21 2:00	7.173	133.1	19.46	5.53	29.51	0.01
1/17/21 2:15	7.623	140.4	12.42	5.932	29.51	0.01
1/17/21 2:30	5.56	122.2	10.34	5.717	29.51	0.01
1/17/21 2:45	6.211	115	8.87	5.597	29.51	0.02
1/17/21 3:00	6.646	105.4	8.58	5.521	29.54	0.02
1/17/21 3:15	6.559	105.6	7.819	5.514	29.54	0.02
1/17/21 3:30	5.735	96	8.2	5.648	29.54	0
1/17/21 3:45	5.977	115.3	11.88	5.982	29.54	0
1/17/21 4:00	7.576	133.1	13.44	5.827	29.53	0
1/17/21 4:15	3.872	120.8	44.98	5.484	29.53	0.01
1/17/21 4:30	4.808	94.5	8.63	5.455	29.53	0
1/17/21 4:45	5.753	104.5	9.31	5.569	29.53	0
1/17/21 5:00	3.741	82.4	13.83	5.591	29.55	0
1/17/21 5:15	2.931	108.3	18.61	5.57	29.55	0.01
1/17/21 5:30	2.507	55.77	19.06	5.575	29.55	0
1/17/21 5:45	3.28	54.22	6.537	5.533	29.55	0
1/17/21 6:00	4.064	69.43	8.61	5.675	29.54	0
1/17/21 6:15	5.632	85.7	7.197	5.754	29.54	0
1/17/21 6:30	5.084	89.5	8.7	6.039	29.54	0
1/17/21 6:45	2.739	67.07	16.55	6.248	29.54	0
1/17/21 7:00	3.062	27.84	16.16	6.177	29.54	0
1/17/21 7:15	3.64	43.53	7.365	6.399	29.54	0
1/17/21 7:30	2.873	72.3	7.275	6.384	29.54	0.01
1/17/21 7:45	2.03	69.27	14.08	6.538	29.54	0
1/17/21 8:00	2.294	61.81	10.54	6.509	29.57	0
1/17/21 8:15	1.253	82.3	22.26	6.558	29.57	0
1/17/21 8:30	1.322	78.31	15.63	6.698	29.57	0
1/17/21 8:45	0.872	64.83	2.596	6.765	29.57	0
1/17/21 9:00	1.207	51.75	25.58	6.822	29.59	0
1/17/21 9:15	1.725	233.8	45.4	6.965	29.59	0
1/17/21 9:30	1.684	132.7	17.35	7.005	29.59	0
1/17/21 9:45	2.237	131.4	16.28	7.179	29.59	0
1/17/21 10:00	1.853	139.6	13.7	7.402	29.6	0
1/17/21 10:15	2.315	120.3	17.71	7.527	29.6	0
1/17/21 10:30	2.712	109.7	12.67	7.543	29.6	0
1/17/21 10:45	2.66	179	29.54	7.647	29.6	0
1/17/21 11:00	3.253	194.9	7.969	7.667	29.63	0
1/17/21 11:15	3.071	206.1	10.05	7.564	29.63	0
1/17/21 11:30	2.823	203.5	9.92	7.756	29.63	0
1/17/21 11:45	2.924	186.2	19.31	8.13	29.63	0
1/17/21 12:00	2.169	193.7	12.23	7.993	29.64	0
1/17/21 12:15	3.285	185.7	16.43	8.15	29.64	0
1/17/21 12:30	3.269	194.2	14.15	8.28	29.64	0
1/17/21 12:45	2.443	211	16.79	8.31	29.64	0
1/17/21 13:00	2.779	202.8	20.69	8.24	29.63	0
1/17/21 13:15	2.462	172.2	14.68	8.68	29.63	0
1/17/21 13:30	1.597	112.2	18.25	8.65	29.63	0
1/17/21 13:45	0.6	25.61	40.31	9.22	29.63	0
1/17/21 14:00	3.868	4.875	59.04	9.61	29.65	0
1/17/21 14:15	3.322	350.2	26.69	8.92	29.65	0
1/17/21 14:30	2.849	333.9	23.09	9.01	29.65	0
1/17/21 14:45	3.034	341.8	10.86	8.94	29.65	0
1/17/21 15:00	3.389	336.4	12.16	8.89	29.65	0
1/17/21 15:15	3.385	306.8	13.24	8.65	29.65	0
1/17/21 15:30	3.321	314.1	14.12	8.87	29.65	0
1/17/21 15:45	4.325	302.6	6.779	8.62	29.65	0
1/17/21 16:00	4.409	303.6	5.728	8.52	29.64	0
1/17/21 16:15	3.753	308.6	8.4	8.2	29.64	0
1/17/21 16:30	3.775	309.9	5.638	7.932	29.64	0
1/17/21 16:45	5.177	307.6	7.355	7.608	29.64	0
1/17/21 17:00	5.983	317.5	7.893	7.238	29.65	0
1/17/21 17:15	7.92	348.1	16.48	7.577	29.65	0
1/17/21 17:30	7.639	8.74	12.74	7.589	29.65	0
1/17/21 17:45	7.521	4.281	14.53	7.617	29.65	0
1/17/21 18:00	6.614	358.1	16.6	7.48	29.68	0
1/17/21 18:15	4.594	6.358	18.45	7.39	29.68	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/17/21 18:30	2.74	10.18	11.53	7.254	29.68	0
1/17/21 18:45	3.492	12.22	12.87	7.041	29.68	0
1/17/21 19:00	2.996	356.2	20.17	6.908	29.67	0
1/17/21 19:15	3.666	337.5	20.61	7.056	29.67	0
1/17/21 19:30	4.042	322.6	18.61	7.085	29.67	0
1/17/21 19:45	3.6	333	16.57	7.002	29.67	0
1/17/21 20:00	4.031	341.3	17.41	6.768	29.7	0
1/17/21 20:15	5.06	317.5	15.42	6.538	29.7	0
1/17/21 20:30	6.295	308.4	9.54	6.508	29.7	0
1/17/21 20:45	5.816	306.2	16.48	6.702	29.7	0
1/17/21 21:00	1.379	341.2	48.33	6.529	29.71	0
1/17/21 21:15	2.444	343.5	31.31	6.48	29.71	0
1/17/21 21:30	2.822	343.9	29.67	6.708	29.71	0
1/17/21 21:45	1.409	16.05	70.36	6.706	29.71	0
1/17/21 22:00	3.037	178.1	28.8	6.698	29.72	0
1/17/21 22:15	1.881	36.16	74.83	7.042	29.72	0
1/17/21 22:30	1.578	328.1	57.84	6.858	29.72	0
1/17/21 22:45	2.203	348.7	27.11	6.708	29.72	0
1/17/21 23:00	0.419	1.113	58.68	6.703	29.71	0
1/17/21 23:15	1.112	68.1	37.91	6.612	29.71	0
1/17/21 23:30	1.366	6.181	65.25	6.522	29.71	0
1/17/21 23:45	2.031	341.7	36.27	6.616	29.71	0
1/18/21 0:00	3.478	324.1	23.41	6.723	29.71	0
1/18/21 0:15	2.251	350	23.12	6.176	29.71	0
1/18/21 0:30	2.858	346	38.41	5.96	29.71	0
1/18/21 0:45	2.581	14.05	23.57	5.642	29.71	0
1/18/21 1:00	6.066	16.23	10.73	5.607	29.7	0
1/18/21 1:15	7.738	19.17	8.85	5.642	29.7	0
1/18/21 1:30	7.016	9.49	9.04	6.015	29.7	0
1/18/21 1:45	7.165	18.93	6.916	6.095	29.7	0
1/18/21 2:00	7.595	22.47	5.694	5.687	29.7	0
1/18/21 2:15	8.61	16.11	6.982	5.713	29.7	0
1/18/21 2:30	8.64	14.15	7.221	5.612	29.7	0
1/18/21 2:45	8.86	10.09	6.367	5.525	29.7	0
1/18/21 3:00	8.42	9.23	6.557	5.876	29.71	0
1/18/21 3:15	8.22	15.81	8.99	5.668	29.71	0
1/18/21 3:30	7.943	24.07	6.031	5.16	29.71	0
1/18/21 3:45	8.64	20.33	6.492	5.35	29.71	0
1/18/21 4:00	8.57	15.85	10.12	5.807	29.73	0
1/18/21 4:15	8.61	9.39	19.69	6.305	29.73	0
1/18/21 4:30	9.25	15.5	14.39	6.469	29.73	0
1/18/21 4:45	8.61	356.4	17.31	6.538	29.73	0
1/18/21 5:00	6.516	12	25.27	6.46	29.69	0
1/18/21 5:15	4.431	28.07	19.48	6.456	29.69	0
1/18/21 5:30	3.003	353.4	29.28	6.508	29.69	0
1/18/21 5:45	5.091	355.1	20.85	6.38	29.69	0
1/18/21 6:00	4.693	25.07	17.23	6.245	29.7	0
1/18/21 6:15	4.452	13.43	24.2	5.877	29.7	0
1/18/21 6:30	5.581	7.548	13.9	5.875	29.7	0
1/18/21 6:45	6.236	12.88	6.618	5.278	29.7	0
1/18/21 7:00	7.04	3.626	15.29	5.468	29.66	0
1/18/21 7:15	6.468	356.5	15.43	5.423	29.66	0
1/18/21 7:30	4.905	341.2	17.17	5.006	29.66	0
1/18/21 7:45	6.074	324.7	5.161	4.256	29.66	0
1/18/21 8:00	5	355.4	17.19	4.169	29.69	0
1/18/21 8:15	6.481	348.7	12.34	4.334	29.69	0
1/18/21 8:30	6.556	358.5	16.56	4.476	29.69	0
1/18/21 8:45	4.315	351.4	18.59	4.354	29.69	0
1/18/21 9:00	4.428	6.782	11.3	4.872	29.71	0
1/18/21 9:15	7.248	12.95	16.15	5.08	29.71	0
1/18/21 9:30	8.11	14.85	17.32	5.285	29.71	0
1/18/21 9:45	10.03	355.2	16.4	5.495	29.71	0
1/18/21 10:00	8.59	339.4	14.12	6.001	29.7	0
1/18/21 10:15	9.11	347.9	18.36	6.214	29.7	0
1/18/21 10:30	9.29	343.1	16.87	6.168	29.7	0
1/18/21 10:45	9.22	347.9	21.45	6.207	29.7	0
1/18/21 11:00	9.17	15.31	10.52	5.483	29.72	0
1/18/21 11:15	7.844	6.425	17.16	5.343	29.72	0
1/18/21 11:30	8.2	19.07	12.97	4.983	29.72	0
1/18/21 11:45	8.32	19.41	13.58	4.888	29.72	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/18/21 12:00	6.595	1.591	29.4	4.999	29.75	0
1/18/21 12:15	7.284	16.59	13.47	5.332	29.75	0
1/18/21 12:30	7.865	17.39	11.77	5.403	29.75	0
1/18/21 12:45	7.03	17.65	13.15	5.503	29.75	0
1/18/21 13:00	7.99	14.6	13.54	5.652	29.73	0
1/18/21 13:15	9.87	11.7	11.44	6.17	29.73	0
1/18/21 13:30	9.03	8.73	14.75	6.073	29.73	0
1/18/21 13:45	9.21	10.19	12.66	6.019	29.73	0
1/18/21 14:00	10.98	354.8	13.85	5.998	29.7	0
1/18/21 14:15	9.3	354.7	18.53	6.154	29.7	0
1/18/21 14:30	7.978	338.8	17.79	6.061	29.7	0
1/18/21 14:45	7.508	341.2	13.19	6.173	29.7	0
1/18/21 15:00	6.484	331.6	16.39	6.04	29.7	0
1/18/21 15:15	4.935	353	18.78	6.034	29.7	0
1/18/21 15:30	7.531	12.21	14.39	5.32	29.7	0
1/18/21 15:45	8.83	6.547	13.3	5.186	29.7	0
1/18/21 16:00	10.32	4.077	15.63	5.068	29.7	0
1/18/21 16:15	8.76	9.65	12.13	5.115	29.7	0
1/18/21 16:30	11.34	13.44	10.62	5.264	29.7	0
1/18/21 16:45	9.87	11.22	11.76	5.206	29.7	0
1/18/21 17:00	9.05	15.74	9.33	4.894	29.68	0
1/18/21 17:15	7.724	23.01	10.1	4.772	29.68	0
1/18/21 17:30	9.46	4.763	15.17	4.746	29.68	0
1/18/21 17:45	8.76	17.41	17.8	5.083	29.68	0
1/18/21 18:00	9.29	13.78	16.58	4.527	29.69	0
1/18/21 18:15	9.11	9.16	9.86	4.568	29.69	0
1/18/21 18:30	8.06	12.22	11.28	4.847	29.69	0
1/18/21 18:45	8.36	12.45	18.2	4.854	29.69	0
1/18/21 19:00	10.52	15.86	11.56	4.948	29.71	0
1/18/21 19:15	9.59	354.9	17.95	5.132	29.71	0
1/18/21 19:30	6.885	8.16	18.05	4.903	29.71	0
1/18/21 19:45	6.412	9.61	16.7	4.632	29.71	0
1/18/21 20:00	5.094	26.71	14.36	4.284	29.72	0
1/18/21 20:15	5.615	5.297	23.36	4.209	29.72	0
1/18/21 20:30	3.973	24.75	13.87	3.474	29.72	0
1/18/21 20:45	3.874	23.05	9.18	3.298	29.72	0
1/18/21 21:00	4.749	22.34	7.364	3.003	29.72	0
1/18/21 21:15	5.016	26.67	6.317	2.807	29.72	0
1/18/21 21:30	5.344	14.48	9.58	2.826	29.72	0
1/18/21 21:45	4.426	10.9	11.02	3.017	29.72	0
1/18/21 22:00	2.41	34.92	32.17	2.92	29.71	0
1/18/21 22:15	2.56	30.13	22.47	2.288	29.71	0
1/18/21 22:30	3.635	35.62	20.56	2.421	29.71	0
1/18/21 22:45	4.281	55.61	10.48	2.115	29.71	0
1/18/21 23:00	3.813	21.62	18.94	1.94	29.7	0
1/18/21 23:15	3.997	9.96	4.85	1.757	29.7	0
1/18/21 23:30	4.308	13.42	11.16	2	29.7	0
1/18/21 23:45	3.933	343.8	17.09	1.995	29.7	0
1/19/21 0:00	3.935	17.23	6.802	1.402	29.68	0
1/19/21 0:15	3.834	14.45	11.82	1.138	29.68	0
1/19/21 0:30	4.356	13.25	18.92	0.795	29.68	0
1/19/21 0:45	3.669	46.44	12.38	0.581	29.68	0
1/19/21 1:00	2.947	65.16	22.56	1.231	29.68	0
1/19/21 1:15	1.621	115.9	18.16	1.79	29.68	0
1/19/21 1:30	1.209	108.9	28.04	1.708	29.68	0
1/19/21 1:45	0.61	28.7	11.87	0.829	29.68	0
1/19/21 2:00	0.787	290.9	54.67	1.409	29.68	0
1/19/21 2:15	0.648	338.1	18.34	1.151	29.68	0
1/19/21 2:30	2.298	303.7	19.09	1.217	29.68	0
1/19/21 2:45	4.359	291	4.163	2.054	29.68	0
1/19/21 3:00	5.072	304.4	9.49	2.013	29.68	0
1/19/21 3:15	3.312	354	19.53	0.795	29.68	0
1/19/21 3:30	2.984	13.75	11.64	1.169	29.68	0
1/19/21 3:45	2.344	30.95	17.88	1.302	29.68	0
1/19/21 4:00	2.34	28.3	5.187	0.892	29.66	0
1/19/21 4:15	2.053	74.04	17.5	1.865	29.66	0
1/19/21 4:30	0.479	91.9	8.82	2.118	29.66	0
1/19/21 4:45	1.667	232.2	26.87	1.185	29.66	0
1/19/21 5:00	3.041	186.8	6.496	1.04	29.68	0
1/19/21 5:15	5.045	184	9.8	0.953	29.68	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/19/21 5:30	5.297	202.6	6.194	1.15	29.68	0
1/19/21 5:45	2.846	160.6	34.09	0.237	29.68	0
1/19/21 6:00	3.451	131.8	8.1	-0.167	29.67	0
1/19/21 6:15	3.44	112.9	11.19	0.191	29.67	0
1/19/21 6:30	4.503	160.9	17.33	0.716	29.67	0
1/19/21 6:45	5.696	148.7	6.711	0.79	29.67	0
1/19/21 7:00	5.493	131.8	8.87	1.145	29.62	0
1/19/21 7:15	5.792	143.5	9.41	1.478	29.62	0
1/19/21 7:30	5.469	164.5	11.28	1.725	29.62	0
1/19/21 7:45	7.743	192.1	9.84	1.834	29.62	0
1/19/21 8:00	5.697	217.2	8.09	1.111	29.63	0
1/19/21 8:15	2.931	278.7	14.59	0.652	29.63	0
1/19/21 8:30	0.832	281.4	12.82	0.847	29.63	0
1/19/21 8:45	0.283	65.46	26.56	1.117	29.63	0
1/19/21 9:00	0.529	76.16	2.752	1.736	29.64	0
1/19/21 9:15	2.564	93.8	12.07	2.035	29.64	0
1/19/21 9:30	1.731	101.6	11.44	2.238	29.64	0.01
1/19/21 9:45	1.603	191.9	25.83	2.198	29.64	0
1/19/21 10:00	1.345	151	40.57	2.212	29.62	0
1/19/21 10:15	2.192	136.3	21.03	2.387	29.62	0
1/19/21 10:30	1.009	200.7	11.54	2.741	29.62	0
1/19/21 10:45	1.249	205.4	14.31	3.296	29.62	0
1/19/21 11:00	1.682	217	21.7	3.281	29.63	0
1/19/21 11:15	0.33	238.5	16.51	4.664	29.63	0
1/19/21 11:30	1.737	235.2	19.19	4.486	29.63	0
1/19/21 11:45	2.579	251.8	24.67	4.891	29.63	0
1/19/21 12:00	3.089	242.4	8.49	4.926	29.6	0
1/19/21 12:15	1.701	226	21.34	5.272	29.6	0
1/19/21 12:30	2.333	228.6	13.05	5.563	29.6	0
1/19/21 12:45	2.721	227.5	21.9	5.846	29.6	0
1/19/21 13:00	0.881	306.7	40.64	6.544	29.58	0
1/19/21 13:15	1.118	202.1	41.52	7.52	29.58	0
1/19/21 13:30	1.373	212.7	38.16	7.404	29.58	0
1/19/21 13:45	0.585	210.1	45.95	8.03	29.58	0
1/19/21 14:00	1.241	61.06	42.55	7.935	29.56	0
1/19/21 14:15	3.138	102.4	21.3	7.496	29.56	0
1/19/21 14:30	2.438	78.64	18.7	7.654	29.56	0
1/19/21 14:45	1.84	124.6	28.11	8.47	29.56	0
1/19/21 15:00	2.896	153.4	16.07	8.53	29.54	0
1/19/21 15:15	3.207	204.7	11.57	8.13	29.54	0
1/19/21 15:30	3.803	192.3	12.53	7.72	29.54	0
1/19/21 15:45	3.023	134.5	20.38	7.499	29.54	0
1/19/21 16:00	2.867	85.1	13.63	7.293	29.5	0
1/19/21 16:15	4.959	91.6	6.164	7.122	29.5	0
1/19/21 16:30	3.832	165.5	39.4	7.196	29.5	0
1/19/21 16:45	5.273	201.3	8.35	7.266	29.5	0
1/19/21 17:00	3.786	194.5	6.115	6.983	29.51	0
1/19/21 17:15	1.417	165.9	71.69	6.72	29.51	0
1/19/21 17:30	1.984	27.15	16.93	5.899	29.51	0
1/19/21 17:45	2.531	18.28	9.17	5.54	29.51	0
1/19/21 18:00	2.903	33.13	14.58	5.676	29.47	0
1/19/21 18:15	2.552	85.8	13.24	5.384	29.47	0
1/19/21 18:30	3.605	90.4	7.906	4.547	29.47	0
1/19/21 18:45	3.46	103.1	8.84	5.186	29.47	0
1/19/21 19:00	0.544	122.5	19.83	5.159	29.46	0
1/19/21 19:15	1.634	77.54	33.24	4.743	29.46	0
1/19/21 19:30	1.746	131.6	20.46	4.62	29.46	0
1/19/21 19:45	0.836	23.58	17.48	4.592	29.46	0
1/19/21 20:00	1.442	39.28	18.52	4.898	29.47	0
1/19/21 20:15	1.878	133.4	26.81	5.344	29.47	0
1/19/21 20:30	2.324	159.4	10.61	5.388	29.47	0
1/19/21 20:45	3.841	142.1	15.13	4.942	29.47	0
1/19/21 21:00	3.034	129.6	8.64	4.836	29.43	0
1/19/21 21:15	4.415	154.2	9.2	4.71	29.43	0
1/19/21 21:30	4.766	156.5	7.607	4.647	29.43	0
1/19/21 21:45	4.899	160.5	9.04	4.739	29.43	0
1/19/21 22:00	3.182	138	10.93	4.99	29.44	0
1/19/21 22:15	2.829	130.7	12.67	5.138	29.44	0
1/19/21 22:30	2.089	100.8	10.77	5.021	29.44	0
1/19/21 22:45	2.135	116.6	8.06	4.986	29.44	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/19/21 23:00	2.396	135.5	11.77	5.574	29.44	0
1/19/21 23:15	4.034	153.2	6.607	5.074	29.44	0
1/19/21 23:30	3.072	155.5	7.59	4.627	29.44	0
1/19/21 23:45	2.302	123.2	24.98	4.673	29.44	0
1/20/21 0:00	1.978	100.3	25.22	4.365	29.43	0
1/20/21 0:15	1.296	137.9	33.61	4.509	29.43	0
1/20/21 0:30	2.489	273.7	49.26	3.879	29.43	0
1/20/21 0:45	3.895	233.4	10.33	3.162	29.43	0
1/20/21 1:00	4.769	218.9	10.98	3.283	29.42	0
1/20/21 1:15	3.851	211.7	5.753	3.37	29.42	0
1/20/21 1:30	3.73	210.2	3.59	3.346	29.42	0
1/20/21 1:45	2.943	172.2	35.8	3.395	29.42	0
1/20/21 2:00	2.58	139.8	5.793	3.329	29.41	0
1/20/21 2:15	2.677	137.8	4.925	3.526	29.41	0
1/20/21 2:30	2.727	144.5	7.554	3.324	29.41	0
1/20/21 2:45	2.088	135.8	11.51	3.074	29.41	0
1/20/21 3:00	1.836	127.1	13.39	3.003	29.39	0
1/20/21 3:15	0.968	155.1	6.987	2.926	29.39	0
1/20/21 3:30	0.862	98.7	23.07	3.181	29.39	0
1/20/21 3:45	3.059	135.8	23.69	3.793	29.39	0
1/20/21 4:00	2.694	140.3	14.33	3.866	29.38	0
1/20/21 4:15	0.852	10.98	15.54	2.825	29.38	0
1/20/21 4:30	0.77	68.03	14.97	3.116	29.38	0
1/20/21 4:45	2.506	131.4	29.83	3.473	29.38	0
1/20/21 5:00	2.436	143.6	11.85	3.522	29.37	0
1/20/21 5:15	1.574	114.3	21.68	3.382	29.37	0
1/20/21 5:30	1.537	20.56	16.4	2.829	29.37	0
1/20/21 5:45	0.777	27.07	1.574	2.721	29.37	0
1/20/21 6:00	1.822	26.87	0.886	2.407	29.37	0
1/20/21 6:15	2.843	26.15	2.232	2.707	29.37	0
1/20/21 6:30	2.58	11.12	5.502	3.081	29.37	0
1/20/21 6:45	2.586	14.44	7.029	3.067	29.37	0
1/20/21 7:00	2.185	7.868	15.49	3.162	29.37	0
1/20/21 7:15	2.969	14.02	8.3	2.682	29.37	0
1/20/21 7:30	0.93	292.9	36.94	1.943	29.37	0
1/20/21 7:45	0.457	256.5	4.556	2.102	29.37	0
1/20/21 8:00	0.744	16	17.95	2.511	29.35	0
1/20/21 8:15	2.024	27.69	18.72	2.27	29.35	0
1/20/21 8:30	2.421	21.37	6.441	2.646	29.35	0
1/20/21 8:45	2.911	18.18	11.82	2.716	29.35	0
1/20/21 9:00	2.571	6.791	20.41	2.408	29.34	0
1/20/21 9:15	2.397	51.29	4.572	2.046	29.34	0
1/20/21 9:30	1.489	40.52	10.5	2.863	29.34	0
1/20/21 9:45	1.457	336	14.59	3.557	29.34	0
1/20/21 10:00	0.703	32.31	12.89	3.437	29.34	0
1/20/21 10:15	0.522	347.3	22.37	3.59	29.34	0
1/20/21 10:30	0.976	318.2	19.78	4.311	29.34	0
1/20/21 10:45	2.393	249.7	21.55	4.441	29.34	0
1/20/21 11:00	1.406	174.3	19.11	4.497	29.34	0
1/20/21 11:15	0.958	122.3	29.16	4.912	29.34	0
1/20/21 11:30	0.325	79.87	31.22	5.375	29.34	0
1/20/21 11:45	2.431	313.2	14.28	5.284	29.34	0
1/20/21 12:00	2.371	302	12.18	5.408	29.34	0
1/20/21 12:15	0.391	307.7	15.59	6.002	29.34	0
1/20/21 12:30	1.759	134.6	28.95	6.126	29.34	0
1/20/21 12:45	2.734	123.2	17.4	5.805	29.34	0
1/20/21 13:00	3.312	192.5	31.84	5.635	29.32	0
1/20/21 13:15	1.398	266.1	27.5	5.801	29.32	0
1/20/21 13:30	1.59	358.2	35.88	5.973	29.32	0
1/20/21 13:45	1.263	36.87	2.838	5.834	29.32	0
1/20/21 14:00	1.563	295.4	10.05	6.187	29.29	0
1/20/21 14:15	3.849	306.8	9.98	6.316	29.29	0
1/20/21 14:30	3.788	307.1	8.83	6.311	29.29	0
1/20/21 14:45	3.657	303	11	6.399	29.29	0
1/20/21 15:00	3.394	306.2	18.95	6.346	29.29	0
1/20/21 15:15	3.318	32.81	8.13	5.931	29.29	0
1/20/21 15:30	3.286	25.66	7.82	5.832	29.29	0
1/20/21 15:45	2.24	9.43	9.45	5.936	29.29	0
1/20/21 16:00	0.95	344.4	15.23	6.147	29.31	0
1/20/21 16:15	0.976	242.4	13.27	6.28	29.31	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/20/21 16:30	1.605	293.6	58.74	6	29.31	0
1/20/21 16:45	1.968	50.65	8.79	5.452	29.31	0
1/20/21 17:00	0.555	28.78	6.789	5.354	29.31	0
1/20/21 17:15	2.139	249.4	10.81	5.549	29.31	0
1/20/21 17:30	1.354	285.3	20.5	5.507	29.31	0
1/20/21 17:45	0.545	13.7	26.65	5.335	29.31	0
1/20/21 18:00	1.391	50.04	7.346	5.108	29.3	0
1/20/21 18:15	1.89	75.05	3.683	5.158	29.3	0
1/20/21 18:30	1.17	79.57	0.684	5.322	29.3	0
1/20/21 18:45	0.561	79.92	0.261	5.535	29.3	0
1/20/21 19:00	1.969	240.6	31.05	5.44	29.28	0
1/20/21 19:15	2.166	290.2	23.5	5.192	29.28	0
1/20/21 19:30	2.146	327.4	1.282	4.938	29.28	0
1/20/21 19:45	2.298	5.33	20.01	4.588	29.28	0
1/20/21 20:00	1.327	5.308	4.088	4.908	29.29	0
1/20/21 20:15	0.562	14.94	4.287	5.438	29.29	0
1/20/21 20:30	1.756	19.78	3.912	4.893	29.29	0
1/20/21 20:45	1.732	0.471	7.319	4.6	29.29	0
1/20/21 21:00	0.453	300.5	62.22	4.895	29.29	0
1/20/21 21:15	1.259	46.42	20.45	4.978	29.29	0
1/20/21 21:30	0.954	42.45	5.16	4.998	29.29	0
1/20/21 21:45	2.343	21.36	1.716	4.97	29.29	0
1/20/21 22:00	1.213	26.92	3.409	4.987	29.27	0
1/20/21 22:15	2.97	249.3	18.93	4.841	29.27	0
1/20/21 22:30	2.948	292.2	9.29	4.641	29.27	0
1/20/21 22:45	3.345	274.3	5.625	4.887	29.27	0
1/20/21 23:00	1.276	307.2	4.435	5.052	29.28	0
1/20/21 23:15	1.702	61.51	4.954	4.531	29.28	0
1/20/21 23:30	1.635	60.59	6.729	4.375	29.28	0
1/20/21 23:45	2.366	42.04	5.892	4.889	29.28	0
1/21/21 0:00	1.5	20.71	6.008	4.982	29.28	0
1/21/21 0:15	2.754	17.87	6.513	4.13	29.28	0
1/21/21 0:30	3.881	8.45	7.051	4.15	29.28	0
1/21/21 0:45	4.301	11.21	9.67	4.08	29.28	0
1/21/21 1:00	4.405	16.42	9.17	3.924	29.28	0
1/21/21 1:15	3.869	21.56	11.31	3.985	29.28	0
1/21/21 1:30	3.17	19.03	11.49	4.04	29.28	0
1/21/21 1:45	3.938	25.25	6.297	4.051	29.28	0
1/21/21 2:00	3.504	16.54	7.292	4.161	29.26	0
1/21/21 2:15	1.762	14.28	18.01	4.376	29.26	0.01
1/21/21 2:30	2.049	24.27	11.43	4.327	29.26	0
1/21/21 2:45	2.871	21.04	6.213	4.042	29.26	0
1/21/21 3:00	3.321	10.3	6.291	3.976	29.26	0
1/21/21 3:15	2.925	1.484	10.22	3.862	29.26	0.01
1/21/21 3:30	2.24	3.302	16.25	3.906	29.26	0
1/21/21 3:45	2.379	326.6	18.86	4.071	29.26	0.01
1/21/21 4:00	2.486	283.4	30.07	4.331	29.26	0
1/21/21 4:15	0.532	32.29	2.488	3.881	29.26	0.01
1/21/21 4:30	1.996	22.57	7.353	3.895	29.26	0
1/21/21 4:45	0.897	16.05	2.351	4.147	29.26	0
1/21/21 5:00	2.079	2.959	2.689	4.219	29.25	0
1/21/21 5:15	2.074	20.57	4.041	3.99	29.25	0.01
1/21/21 5:30	2.659	15.09	7.475	3.811	29.25	0
1/21/21 5:45	2.169	18.2	2.715	4.051	29.25	0
1/21/21 6:00	1.541	354.6	8.96	4.285	29.25	0
1/21/21 6:15	0.019	326.8	0.014	4.258	29.25	0.01
1/21/21 6:30	0.556	329.1	7.107	4.199	29.25	0.01
1/21/21 6:45	1.395	295.9	12.94	4.325	29.25	0.01
1/21/21 7:00	3.257	292.8	2.985	4.345	29.24	0.01
1/21/21 7:15	3.968	294.7	3.31	4.261	29.24	0.01
1/21/21 7:30	2.58	298	4.623	4.181	29.24	0.01
1/21/21 7:45	2.198	309.6	2.104	4.099	29.24	0
1/21/21 8:00	2.055	334.7	13.8	4.119	29.24	0
1/21/21 8:15	0.847	357.3	8.1	4.084	29.24	0
1/21/21 8:30	0.965	70.98	7.117	4	29.24	0
1/21/21 8:45	1.781	63.99	7.068	4.039	29.24	0
1/21/21 9:00	2.332	59.84	4.232	4.145	29.24	0
1/21/21 9:15	1.931	52.24	7.569	4.289	29.24	0
1/21/21 9:30	1.768	36.66	7.196	4.638	29.24	0
1/21/21 9:45	1.823	7.995	8.31	4.842	29.24	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/21/21 10:00	2.329	16.02	7.497	4.61	29.26	0
1/21/21 10:15	3.287	24.09	9.82	4.395	29.26	0
1/21/21 10:30	4.649	5.807	9.04	4.585	29.26	0
1/21/21 10:45	5.109	12.1	6.52	4.701	29.26	0
1/21/21 11:00	4.525	12.87	8.82	4.895	29.24	0
1/21/21 11:15	4.13	18.63	7.869	4.96	29.24	0
1/21/21 11:30	2.385	10.83	11.19	5.112	29.24	0
1/21/21 11:45	2.663	22.53	13.36	5.328	29.24	0
1/21/21 12:00	2.47	21.68	11.44	5.582	29.23	0
1/21/21 12:15	2.391	32	14.5	5.807	29.23	0
1/21/21 12:30	3.481	32.93	15	5.811	29.23	0
1/21/21 12:45	2.94	18.38	13.23	5.838	29.23	0
1/21/21 13:00	3.405	18.33	8.77	5.869	29.2	0
1/21/21 13:15	4.261	20.55	8.68	5.826	29.2	0
1/21/21 13:30	4.647	18.22	9.69	5.693	29.2	0
1/21/21 13:45	5.31	15.96	8.64	5.776	29.2	0
1/21/21 14:00	6.083	14.98	10.32	5.952	29.21	0
1/21/21 14:15	6.194	11.79	8.63	6.05	29.21	0
1/21/21 14:30	6.598	12.79	8.12	6.046	29.21	0
1/21/21 14:45	4.212	18.03	13.51	6.071	29.21	0
1/21/21 15:00	5.929	14.52	9	6.198	29.21	0
1/21/21 15:15	6.23	9.16	14.19	6.124	29.21	0
1/21/21 15:30	5.526	6.087	13.8	6.096	29.21	0
1/21/21 15:45	5.735	9.92	13.16	6.132	29.21	0
1/21/21 16:00	6.842	14.13	12.43	5.953	29.18	0
1/21/21 16:15	8.97	14.04	12.32	5.812	29.18	0
1/21/21 16:30	7.831	13.89	12.69	5.825	29.18	0
1/21/21 16:45	6.128	27.5	17.32	5.635	29.18	0
1/21/21 17:00	8.56	11.22	14.01	5.578	29.2	0
1/21/21 17:15	7.581	9.79	12.5	5.506	29.2	0
1/21/21 17:30	8.55	9.45	14.73	5.39	29.2	0
1/21/21 17:45	8.86	10.24	12.19	5.233	29.2	0
1/21/21 18:00	10.36	6.572	13.23	5.251	29.18	0
1/21/21 18:15	8.89	8.68	12.52	5.204	29.18	0
1/21/21 18:30	10.1	5.963	13.27	5.23	29.18	0
1/21/21 18:45	9.85	5.693	14.42	5.192	29.18	0
1/21/21 19:00	11.2	6.095	12.86	5.265	29.22	0
1/21/21 19:15	10.58	7.783	13.44	5.171	29.22	0
1/21/21 19:30	10.71	8.97	12.16	5.1	29.22	0
1/21/21 19:45	11.52	4.541	13.95	5.333	29.22	0
1/21/21 20:00	9.89	8.99	11.21	5.337	29.2	0
1/21/21 20:15	9.11	7.322	12.45	5.21	29.2	0
1/21/21 20:30	8.79	7.396	12.67	5.068	29.2	0
1/21/21 20:45	8.69	8.78	10.96	4.856	29.2	0
1/21/21 21:00	7.001	10.67	13.43	4.77	29.2	0
1/21/21 21:15	7.353	18.51	12.31	4.613	29.2	0
1/21/21 21:30	7.821	11.74	11.18	4.506	29.2	0
1/21/21 21:45	7.937	13.11	11.82	4.482	29.2	0
1/21/21 22:00	8.39	9.32	10.76	4.545	29.22	0
1/21/21 22:15	8.31	10.32	11.48	4.572	29.22	0
1/21/21 22:30	10.42	12.09	12.64	4.492	29.22	0
1/21/21 22:45	9.09	11.73	11.55	4.473	29.22	0
1/21/21 23:00	9.29	12.64	10.49	4.418	29.21	0
1/21/21 23:15	8.38	7.447	12.47	4.327	29.21	0
1/21/21 23:30	8.75	10.19	11.78	4.243	29.21	0
1/21/21 23:45	7.407	4.118	13.14	4.106	29.21	0
1/22/21 0:00	6.665	7.225	12.13	3.956	29.19	0
1/22/21 0:15	8.62	11.89	12.06	3.888	29.19	0
1/22/21 0:30	5.354	18.85	13.32	3.727	29.19	0
1/22/21 0:45	7.202	11.26	10.55	3.791	29.19	0
1/22/21 1:00	6.262	16.5	17.61	3.638	29.19	0
1/22/21 1:15	9.06	9.84	12.05	3.735	29.19	0
1/22/21 1:30	8.29	11.08	10.01	3.748	29.19	0
1/22/21 1:45	8.14	13.28	10.15	3.836	29.19	0
1/22/21 2:00	9.98	11.48	9.42	3.894	29.19	0
1/22/21 2:15	9.39	9.33	13.2	3.957	29.19	0
1/22/21 2:30	7.532	17.82	9.18	3.964	29.19	0
1/22/21 2:45	7.006	17.54	8.58	3.923	29.19	0
1/22/21 3:00	8.55	18.34	11.12	3.8	29.21	0
1/22/21 3:15	9.74	16.71	9.04	3.754	29.21	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/22/21 3:30	9.49	15.76	10.8	3.725	29.21	0
1/22/21 3:45	8.24	18.36	11.68	3.724	29.21	0
1/22/21 4:00	6.528	18.69	11.29	3.713	29.2	0
1/22/21 4:15	6.556	17.52	13.93	3.76	29.2	0
1/22/21 4:30	7.016	15.05	13.74	3.77	29.2	0
1/22/21 4:45	10.5	13.79	8.02	3.714	29.2	0
1/22/21 5:00	9.12	16.16	10.11	3.619	29.19	0
1/22/21 5:15	7.896	17.02	10.22	3.49	29.19	0
1/22/21 5:30	9.15	13.25	9.66	3.449	29.19	0
1/22/21 5:45	9.63	12.53	10.57	3.501	29.19	0
1/22/21 6:00	8.23	16.78	10.13	3.354	29.18	0
1/22/21 6:15	9.73	15.52	7.896	3.399	29.18	0
1/22/21 6:30	9.02	19.29	8.74	3.306	29.18	0
1/22/21 6:45	8.42	15.45	8.85	3.363	29.18	0
1/22/21 7:00	8.64	12.63	9.87	3.308	29.17	0
1/22/21 7:15	8.56	15.97	10.08	3.225	29.17	0
1/22/21 7:30	9.23	17.34	9.03	3.178	29.17	0
1/22/21 7:45	9.11	14.65	11.41	3.023	29.17	0
1/22/21 8:00	8.44	8.96	13.78	2.901	29.18	0
1/22/21 8:15	9.84	5.831	13.61	2.822	29.18	0
1/22/21 8:30	12.96	7.393	13.48	2.926	29.18	0
1/22/21 8:45	13.25	5.49	15.87	2.913	29.18	0
1/22/21 9:00	14.67	9.57	13.5	2.871	29.19	0
1/22/21 9:15	14.07	8.17	13.47	2.817	29.19	0
1/22/21 9:30	13.43	358.4	16.73	2.859	29.19	0
1/22/21 9:45	14.12	2.886	14.42	2.755	29.19	0
1/22/21 10:00	10.92	9.67	13.34	2.837	29.21	0
1/22/21 10:15	9.77	14.68	12.88	3.283	29.21	0
1/22/21 10:30	10.03	22.24	7.796	3.819	29.21	0
1/22/21 10:45	10.24	19.09	11.72	4.045	29.21	0
1/22/21 11:00	8.63	5.901	12.78	4.649	29.22	0
1/22/21 11:15	6.996	12.1	10.72	4.602	29.22	0
1/22/21 11:30	7.197	12.26	10.58	4.467	29.22	0
1/22/21 11:45	7.632	14.82	10.94	4.788	29.22	0
1/22/21 12:00	9.11	11.5	11.39	4.836	29.19	0
1/22/21 12:15	10.33	12.87	9.99	4.382	29.19	0
1/22/21 12:30	8.17	8.43	12.89	4.714	29.19	0
1/22/21 12:45	9.95	5.808	13.11	5.574	29.19	0
1/22/21 13:00	10.13	6.798	14.68	5.741	29.21	0
1/22/21 13:15	11.36	1.771	14.73	5.726	29.21	0
1/22/21 13:30	11.38	8.32	12.26	5.752	29.21	0
1/22/21 13:45	10.34	2.405	16.73	5.992	29.21	0
1/22/21 14:00	11.09	359.3	15.09	6.056	29.21	0
1/22/21 14:15	10.39	355.5	16.89	6.107	29.21	0
1/22/21 14:30	9.67	1.637	15.35	6.221	29.21	0
1/22/21 14:45	9.2	359.8	16.16	6.295	29.21	0
1/22/21 15:00	10.13	350.2	15.16	6.317	29.22	0
1/22/21 15:15	10.34	334	16.16	6.312	29.22	0
1/22/21 15:30	8.9	329.9	27.31	6.212	29.22	0
1/22/21 15:45	10.08	333.2	15.06	6.016	29.22	0
1/22/21 16:00	9.39	325.3	13.73	5.71	29.23	0
1/22/21 16:15	9.02	344.8	19.08	5.272	29.23	0
1/22/21 16:30	9.03	342.8	18.92	5.003	29.23	0
1/22/21 16:45	7.989	358.2	17.06	4.605	29.23	0
1/22/21 17:00	10.2	359.2	15.74	4.096	29.21	0
1/22/21 17:15	8.14	7.018	17.24	3.718	29.21	0
1/22/21 17:30	8.49	13.26	13.31	3.37	29.21	0
1/22/21 17:45	8.45	4.953	13.55	3.432	29.21	0
1/22/21 18:00	6.122	1.143	13.69	3.357	29.21	0
1/22/21 18:15	9.23	3.533	13.07	3.045	29.21	0
1/22/21 18:30	8.63	357.6	17.84	2.957	29.21	0
1/22/21 18:45	9.73	2.412	14.14	2.945	29.21	0
1/22/21 19:00	9.73	0.437	14.9	2.9	29.23	0
1/22/21 19:15	9.19	3.096	15.46	2.627	29.23	0
1/22/21 19:30	10.23	359.6	15.92	2.596	29.23	0
1/22/21 19:45	10.14	5.169	15.49	2.493	29.23	0
1/22/21 20:00	8.9	19.99	12.04	2.296	29.22	0
1/22/21 20:15	8.61	18	13.22	2.147	29.22	0
1/22/21 20:30	9.01	12.54	11.73	2.223	29.22	0
1/22/21 20:45	8.34	16.69	15.68	2.084	29.22	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/22/21 21:00	8.78	18.06	9.97	2.045	29.24	0
1/22/21 21:15	7.061	20.15	11.53	1.698	29.24	0
1/22/21 21:30	6.05	27.6	11.6	1.284	29.24	0
1/22/21 21:45	5.557	29.71	6.324	0.915	29.24	0
1/22/21 22:00	5.096	31.83	12.03	0.871	29.27	0
1/22/21 22:15	4.784	27.35	11.19	0.679	29.27	0
1/22/21 22:30	5.093	18.11	9.69	0.875	29.27	0
1/22/21 22:45	5.328	19.61	6.791	0.854	29.27	0
1/22/21 23:00	4.814	35.65	8.63	0.305	29.27	0
1/22/21 23:15	4.368	50.67	11.16	0.186	29.27	0
1/22/21 23:30	4.585	63.81	11.25	0.191	29.27	0
1/22/21 23:45	4.751	88.8	9.85	0.177	29.27	0
1/23/21 0:00	2.717	104.8	9.71	1.224	29.28	0
1/23/21 0:15	1.865	75.56	22.88	1.489	29.28	0
1/23/21 0:30	1.675	21.34	14.48	1.075	29.28	0
1/23/21 0:45	1.455	22.81	12.27	0.823	29.28	0
1/23/21 1:00	0.434	28.18	0.14	0.212	29.28	0
1/23/21 1:15	1.12	21.63	14.48	0.02	29.28	0
1/23/21 1:30	0.439	44.08	12.45	-0.068	29.28	0
1/23/21 1:45	1.755	65.39	9.68	0.125	29.28	0
1/23/21 2:00	1.211	87.6	11.14	0.203	29.28	0
1/23/21 2:15	2.204	78.22	13.73	0.089	29.28	0
1/23/21 2:30	1.658	54.86	7.918	0.086	29.28	0
1/23/21 2:45	1.165	68.08	0.747	-0.38	29.28	0
1/23/21 3:00	2.056	102.8	22.34	-0.247	29.29	0
1/23/21 3:15	2.965	165.9	8.06	0.374	29.29	0
1/23/21 3:30	4.03	147	5.742	-0.057	29.29	0
1/23/21 3:45	3.027	146.7	4.035	-0.11	29.29	0
1/23/21 4:00	1.887	271.4	59.8	-1.104	29.28	0
1/23/21 4:15	1.525	308.8	9.6	-0.312	29.28	0
1/23/21 4:30	4.375	305	5.533	-0.802	29.28	0
1/23/21 4:45	2.415	260.5	15.09	-0.308	29.28	0
1/23/21 5:00	1.871	207.5	19.73	-0.67	29.28	0
1/23/21 5:15	0.757	125.7	45.19	-0.793	29.28	0
1/23/21 5:30	0.495	36.48	5.3	-1.027	29.28	0
1/23/21 5:45	0.298	70.82	0.749	-0.935	29.28	0
1/23/21 6:00	0.422	72.68	0.344	-1.279	29.29	0
1/23/21 6:15	1.38	103.6	3.29	-1.261	29.29	0
1/23/21 6:30	1.269	59.25	13.39	-0.938	29.29	0
1/23/21 6:45	0.06	43	0.026	-1.085	29.29	0
1/23/21 7:00	0.488	40.3	8.05	-0.988	29.28	0
1/23/21 7:15	1.448	51.85	21.47	-0.756	29.28	0
1/23/21 7:30	1.549	81.5	6.618	-1.306	29.28	0
1/23/21 7:45	0.684	91.7	0.137	-0.719	29.28	0
1/23/21 8:00	0.421	100.7	8.73	-0.386	29.31	0
1/23/21 8:15	1.007	162.1	44.54	0.119	29.31	0
1/23/21 8:30	1.24	66.47	9.15	-0.926	29.31	0
1/23/21 8:45	2.283	61.81	7.563	-0.581	29.31	0
1/23/21 9:00	2.437	96.7	21.47	0.59	29.3	0
1/23/21 9:15	2.875	126.7	4.63	1.143	29.3	0
1/23/21 9:30	3.125	141.2	8.46	1.408	29.3	0
1/23/21 9:45	3.206	155.8	15.36	0.684	29.3	0
1/23/21 10:00	3.395	161.5	9.1	0.719	29.33	0
1/23/21 10:15	3.434	181.5	12.34	0.651	29.33	0
1/23/21 10:30	3.63	178.8	15.75	0.53	29.33	0
1/23/21 10:45	3.774	167.7	13.4	1.354	29.33	0
1/23/21 11:00	4.221	162	15.13	1.851	29.32	0
1/23/21 11:15	5.176	190	11.46	2.006	29.32	0
1/23/21 11:30	4.548	198.8	9.77	2.063	29.32	0
1/23/21 11:45	4.15	197.9	18.84	2.605	29.32	0
1/23/21 12:00	3.263	173.7	22.2	3.418	29.31	0
1/23/21 12:15	4.062	195.4	23.5	3.275	29.31	0
1/23/21 12:30	4.419	197.4	17.34	3.493	29.31	0
1/23/21 12:45	4.406	183.5	23.32	3.692	29.31	0
1/23/21 13:00	4.695	207.4	17.17	3.736	29.27	0
1/23/21 13:15	4.998	211.7	10.63	3.876	29.27	0
1/23/21 13:30	5.042	216.9	16.58	4.178	29.27	0
1/23/21 13:45	4.882	195.1	24.44	4.523	29.27	0
1/23/21 14:00	5.847	184.3	14.69	4.639	29.29	0
1/23/21 14:15	6.026	194.5	16.81	4.892	29.29	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/23/21 14:30	5.424	208.1	12.69	4.984	29.29	0
1/23/21 14:45	4.661	197.3	17.88	5.058	29.29	0
1/23/21 15:00	5.038	201	15.81	5.185	29.29	0
1/23/21 15:15	5.31	212.5	14.13	5.139	29.29	0
1/23/21 15:30	4.158	229.8	14.99	5.077	29.29	0
1/23/21 15:45	4.859	197.4	19.76	5.141	29.29	0
1/23/21 16:00	1.528	215.9	52.56	5.177	29.26	0
1/23/21 16:15	3.863	200.5	22.13	4.927	29.26	0
1/23/21 16:30	3.087	192.3	19.25	4.631	29.26	0
1/23/21 16:45	3.127	186.6	8.56	4.288	29.26	0
1/23/21 17:00	1.965	202.7	2.981	4.104	29.26	0
1/23/21 17:15	2.165	146.2	21.98	3.894	29.26	0
1/23/21 17:30	2.494	113.4	9.25	3.523	29.26	0
1/23/21 17:45	3.277	98	3.399	3.034	29.26	0
1/23/21 18:00	2.738	117.4	8.44	2.842	29.25	0
1/23/21 18:15	2.567	146.1	12.72	3.205	29.25	0
1/23/21 18:30	1.804	138.5	35.01	3.337	29.25	0
1/23/21 18:45	1.728	137.2	25.2	2.663	29.25	0
1/23/21 19:00	3.254	178.1	28.65	2.186	29.23	0
1/23/21 19:15	3.693	170.3	23.84	2.391	29.23	0
1/23/21 19:30	4.296	162.2	10.01	2.388	29.23	0
1/23/21 19:45	5.65	148.5	11.57	2.301	29.23	0
1/23/21 20:00	5.451	126.8	6.938	2.214	29.19	0
1/23/21 20:15	4.185	122.7	5.063	2.354	29.19	0
1/23/21 20:30	4.221	140.2	6.435	2.314	29.19	0
1/23/21 20:45	3.649	143.5	7.103	2.381	29.19	0
1/23/21 21:00	3.248	126.8	8.64	2.622	29.19	0
1/23/21 21:15	3.985	125.7	6.179	2.712	29.19	0
1/23/21 21:30	5.455	130.9	5.894	2.945	29.19	0
1/23/21 21:45	5.123	131.3	5.741	3.197	29.19	0
1/23/21 22:00	4.278	134.6	6.572	3.19	29.18	0
1/23/21 22:15	3.93	135.4	6.299	3.259	29.18	0
1/23/21 22:30	4.385	143	5.631	3.213	29.18	0
1/23/21 22:45	4.268	145.2	6.079	3.086	29.18	0
1/23/21 23:00	5.157	148.7	6.18	2.983	29.16	0
1/23/21 23:15	5.015	167.8	7.356	2.817	29.16	0
1/23/21 23:30	5.463	182.4	9.46	2.721	29.16	0
1/23/21 23:45	4.528	173.2	7.362	2.8	29.16	0
1/24/21 0:00	2.983	153.6	17.38	2.727	29.14	0
1/24/21 0:15	2.325	120.8	15.96	2.733	29.14	0
1/24/21 0:30	2.306	125.9	6.779	2.719	29.14	0
1/24/21 0:45	2.598	131.5	8.79	2.925	29.14	0
1/24/21 1:00	1.912	136.9	9.27	2.958	29.12	0
1/24/21 1:15	2.351	146.9	22.37	2.896	29.12	0
1/24/21 1:30	3.61	124	9.76	3.063	29.12	0
1/24/21 1:45	2.616	122.2	11.72	3.042	29.12	0
1/24/21 2:00	3.685	104.8	7.752	3.085	29.11	0
1/24/21 2:15	3.704	110.1	9.34	3.038	29.11	0
1/24/21 2:30	4.094	145	32.16	2.971	29.11	0
1/24/21 2:45	6.233	198.9	18.32	2.435	29.11	0
1/24/21 3:00	6.522	189.8	9.23	2.916	29.09	0
1/24/21 3:15	4.252	173.3	20.37	2.733	29.09	0
1/24/21 3:30	4.891	144.5	12.09	2.87	29.09	0
1/24/21 3:45	2.949	161	22.78	2.97	29.09	0
1/24/21 4:00	2.388	94.6	22.11	2.685	29.06	0
1/24/21 4:15	4.003	97.5	7.022	2.638	29.06	0
1/24/21 4:30	3.754	118.8	24.2	2.832	29.06	0
1/24/21 4:45	4.73	122.1	17.02	3.047	29.06	0
1/24/21 5:00	4.747	110.6	10.16	3.007	29.03	0
1/24/21 5:15	5.737	112.7	8.21	3.16	29.03	0
1/24/21 5:30	5.494	134.7	12.84	3.229	29.03	0
1/24/21 5:45	6.03	148.6	21.38	3.213	29.03	0
1/24/21 6:00	6.793	127.5	8.27	3.486	29.01	0
1/24/21 6:15	5.664	172.9	25.41	2.966	29.01	0
1/24/21 6:30	6.016	146.4	28.88	2.906	29.01	0
1/24/21 6:45	5.667	138.6	12.33	3.009	29.01	0
1/24/21 7:00	4.77	135.1	8.49	2.905	28.99	0
1/24/21 7:15	4.974	134.3	12.79	2.852	28.99	0.01
1/24/21 7:30	4.332	114.6	9.01	2.78	28.99	0
1/24/21 7:45	4.32	116.7	9.41	2.692	28.99	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/24/21 8:00	5.569	116.7	9.68	2.672	28.97	0
1/24/21 8:15	5.823	120.9	11.78	2.572	28.97	0
1/24/21 8:30	5.64	115.4	9.21	2.601	28.97	0
1/24/21 8:45	5.541	124.3	8.51	2.728	28.97	0
1/24/21 9:00	6.65	125.4	8.88	2.851	28.95	0
1/24/21 9:15	6.158	120.5	10.11	2.952	28.95	0
1/24/21 9:30	5.199	115.6	10.01	3.014	28.95	0
1/24/21 9:45	5.88	116.4	10.89	3.09	28.95	0
1/24/21 10:00	5.485	125.5	13.92	3.095	28.94	0.01
1/24/21 10:15	5.818	129.1	11.42	3.069	28.94	0
1/24/21 10:30	6.123	128.7	8.92	3.131	28.94	0
1/24/21 10:45	5.042	134.5	9.66	3.177	28.94	0.01
1/24/21 11:00	4.892	128.9	7.766	3.215	28.93	0
1/24/21 11:15	5.003	111.9	11.54	3.274	28.93	0
1/24/21 11:30	3.683	104.2	9.55	3.377	28.93	0
1/24/21 11:45	3.73	117.7	12.1	3.424	28.93	0
1/24/21 12:00	3.435	111.6	21.14	3.501	28.91	0
1/24/21 12:15	3.174	145.2	18.23	3.686	28.91	0
1/24/21 12:30	2.9	150.6	12.87	3.801	28.91	0
1/24/21 12:45	1.708	157.7	26.25	3.722	28.91	0
1/24/21 13:00	2.288	142.1	16.82	3.766	28.89	0
1/24/21 13:15	2.917	128.5	12.75	3.856	28.89	0
1/24/21 13:30	4.06	135.1	14.99	3.818	28.89	0.01
1/24/21 13:45	5.937	179.2	14.23	3.708	28.89	0
1/24/21 14:00	4.761	183.5	9.49	3.537	28.88	0.01
1/24/21 14:15	3.091	152.7	20.73	3.51	28.88	0
1/24/21 14:30	4.516	207.8	13.87	3.372	28.88	0.01
1/24/21 14:45	4.579	230.5	7.467	3.302	28.88	0
1/24/21 15:00	3.548	236	9.71	3.298	28.87	0.01
1/24/21 15:15	2.788	101.2	50.24	3.347	28.87	0
1/24/21 15:30	2.472	95.3	14.3	3.2	28.87	0.01
1/24/21 15:45	3.243	106.7	14.96	3.24	28.87	0
1/24/21 16:00	3.648	105.4	16.59	3.265	28.87	0
1/24/21 16:15	3.685	82.8	12.71	3.096	28.87	0.01
1/24/21 16:30	4.02	115.6	18.18	3.155	28.87	0
1/24/21 16:45	6.818	133.7	9.6	3.201	28.87	0
1/24/21 17:00	8.01	126	8.06	3.143	28.86	0
1/24/21 17:15	7.167	152.6	13.37	3.09	28.86	0
1/24/21 17:30	7.809	196.4	9.96	2.971	28.86	0
1/24/21 17:45	7.811	204.4	6.913	2.875	28.86	0.01
1/24/21 18:00	8.09	191.9	11.66	2.575	28.87	0.02
1/24/21 18:15	8.29	184	13.57	2.307	28.87	0.01
1/24/21 18:30	8.74	162.7	10.45	2.169	28.87	0.01
1/24/21 18:45	8.59	147	9.11	1.986	28.87	0.01
1/24/21 19:00	9.33	146.8	6.439	1.887	28.89	0.01
1/24/21 19:15	8.56	143.6	9.07	1.876	28.89	0.01
1/24/21 19:30	6.45	143.3	9.25	1.81	28.89	0.02
1/24/21 19:45	6.584	119.3	9.86	1.161	28.89	0.01
1/24/21 20:00	7.144	120.1	8.86	0.718	28.9	0.01
1/24/21 20:15	7.503	124.9	10.35	0.852	28.9	0.01
1/24/21 20:30	7.261	137.9	14.53	1.03	28.9	0.01
1/24/21 20:45	8.73	127	8.38	1.163	28.9	0
1/24/21 21:00	9.71	125.8	8.39	1.223	28.89	0.01
1/24/21 21:15	10.14	125.2	8.14	1.267	28.89	0.01
1/24/21 21:30	9.37	126.4	8.77	1.347	28.89	0
1/24/21 21:45	9.84	126.6	9.02	1.404	28.89	0.01
1/24/21 22:00	10.57	122.5	8.49	1.447	28.89	0
1/24/21 22:15	10.55	124.2	8.52	1.576	28.89	0
1/24/21 22:30	10.3	129.7	9.27	1.745	28.89	0
1/24/21 22:45	9.62	130.4	8.21	1.806	28.89	0
1/24/21 23:00	8.95	136.5	10.32	1.905	28.9	0
1/24/21 23:15	8.15	132.4	9.32	1.846	28.9	0
1/24/21 23:30	8.42	135.4	9.11	1.921	28.9	0
1/24/21 23:45	7.757	142.8	9.1	2.122	28.9	0
1/25/21 0:00	8.5	151.5	10.08	2.326	28.91	0
1/25/21 0:15	9.96	147.6	7.463	2.494	28.91	0
1/25/21 0:30	9.38	151.9	7.608	2.571	28.91	0
1/25/21 0:45	9.67	153.3	8.67	2.718	28.91	0
1/25/21 1:00	8.68	160.9	17.38	2.807	28.93	0
1/25/21 1:15	10.72	159.2	11.81	2.922	28.93	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/25/21 1:30	8.61	150.5	10.27	2.871	28.93	0
1/25/21 1:45	8.23	146.9	9.87	2.944	28.93	0
1/25/21 2:00	8.52	149.6	8.67	2.986	28.94	0
1/25/21 2:15	7.248	137.9	9.18	2.951	28.94	0
1/25/21 2:30	5.69	137.9	9.12	2.879	28.94	0
1/25/21 2:45	6.424	136.7	9	2.853	28.94	0
1/25/21 3:00	8.33	144.1	12.58	2.981	28.96	0
1/25/21 3:15	6.61	136.2	8.37	2.835	28.96	0
1/25/21 3:30	7.055	140.4	7.427	2.712	28.96	0
1/25/21 3:45	7.076	139.6	7.101	2.714	28.96	0
1/25/21 4:00	8.2	145.9	7.125	2.675	28.96	0
1/25/21 4:15	8.45	149.1	6.472	2.57	28.96	0
1/25/21 4:30	8.94	150.7	7.95	2.606	28.96	0
1/25/21 4:45	9.43	152.7	6.617	2.567	28.96	0
1/25/21 5:00	9.18	150.5	7.098	2.539	28.97	0
1/25/21 5:15	8.98	152.9	4.941	2.492	28.97	0
1/25/21 5:30	8.09	147.4	6.815	2.404	28.97	0
1/25/21 5:45	6.153	139.7	7.054	2.258	28.97	0
1/25/21 6:00	5.562	133.2	7.437	2.171	28.98	0
1/25/21 6:15	5.993	133.6	8.52	2.257	28.98	0
1/25/21 6:30	6.511	138.9	8.31	2.264	28.98	0
1/25/21 6:45	6.411	140.6	6.86	2.22	28.98	0
1/25/21 7:00	6.26	144.2	6.814	2.205	28.99	0
1/25/21 7:15	5.781	140.5	7.353	2.147	28.99	0
1/25/21 7:30	6.404	138.2	7.435	2.229	28.99	0
1/25/21 7:45	7.576	145	7.048	2.207	28.99	0
1/25/21 8:00	9.11	156.4	7.994	2.411	28.98	0
1/25/21 8:15	8.37	169.1	9.98	2.422	28.98	0
1/25/21 8:30	8.05	171.1	7.069	2.515	28.98	0
1/25/21 8:45	8.15	175.8	7.637	2.482	28.98	0
1/25/21 9:00	7.296	165.4	10.14	2.95	28.99	0
1/25/21 9:15	7.492	144	8.18	3.178	28.99	0
1/25/21 9:30	6.939	149.1	11.91	3.537	28.99	0
1/25/21 9:45	6.867	176.9	12.66	4.051	28.99	0
1/25/21 10:00	7.836	180	8.55	4.114	29.01	0
1/25/21 10:15	9.05	185.7	8.62	4.165	29.01	0
1/25/21 10:30	8.51	185.8	8.56	4.355	29.01	0
1/25/21 10:45	6.914	192.5	10.54	4.255	29.01	0
1/25/21 11:00	7.131	180.3	10.24	4.236	29.03	0
1/25/21 11:15	7.41	176.5	9.64	4.579	29.03	0
1/25/21 11:30	7.621	188	12.08	4.653	29.03	0
1/25/21 11:45	9.18	197.3	15.58	4.657	29.03	0
1/25/21 12:00	9.41	206.7	10.68	4.916	29.01	0
1/25/21 12:15	8.87	209.4	9.55	5.021	29.01	0
1/25/21 12:30	6.894	190.7	14.15	5.079	29.01	0
1/25/21 12:45	5.231	207.5	26.6	5.235	29.01	0
1/25/21 13:00	10.9	194.2	12.68	5.28	29.02	0
1/25/21 13:15	9.23	205	13.43	5.345	29.02	0
1/25/21 13:30	7.8	225.4	10.83	5.056	29.02	0
1/25/21 13:45	8.33	231.9	12.49	4.7	29.02	0
1/25/21 14:00	8.45	238.8	6.066	4.485	29.01	0
1/25/21 14:15	6.803	252	10.84	4.634	29.01	0
1/25/21 14:30	5.61	236.9	17.34	5.325	29.01	0
1/25/21 14:45	7.138	223.4	9	4.829	29.01	0
1/25/21 15:00	5.668	201.1	26.29	4.618	29.03	0
1/25/21 15:15	7.94	157.4	8.22	4.413	29.03	0
1/25/21 15:30	7.125	148.2	8.72	3.937	29.03	0
1/25/21 15:45	5.368	170.1	21.18	3.765	29.03	0
1/25/21 16:00	3.771	202.8	27.06	3.656	29.01	0.01
1/25/21 16:15	2.071	26.43	57.1	3.523	29.01	0
1/25/21 16:30	2.118	61.8	7.202	3.254	29.01	0
1/25/21 16:45	1.271	92.2	19.75	3.325	29.01	0
1/25/21 17:00	0.986	185.2	16.44	3.474	29.01	0
1/25/21 17:15	1.959	294.9	14.35	2.906	29.01	0
1/25/21 17:30	1.09	259.2	7.213	2.9	29.01	0
1/25/21 17:45	4.257	267.3	9	2.723	29.01	0
1/25/21 18:00	2.05	294.1	30.13	2.682	29.02	0
1/25/21 18:15	1.047	4.143	19.58	2.401	29.02	0
1/25/21 18:30	1.35	351.1	11.63	2.157	29.02	0
1/25/21 18:45	0.556	332.8	10.92	2.062	29.02	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/25/21 19:00	0.646	359.7	31.74	2.389	29.02	0
1/25/21 19:15	2.048	65.91	10.42	2.192	29.02	0
1/25/21 19:30	2.354	146.3	68.48	1.952	29.02	0
1/25/21 19:45	2.198	187.9	44.42	2.002	29.02	0
1/25/21 20:00	3.937	202.2	12.75	1.636	29.03	0
1/25/21 20:15	4.038	188.3	11.21	1.552	29.03	0
1/25/21 20:30	4.079	192.5	7.567	1.691	29.03	0
1/25/21 20:45	2.441	151.1	13.53	1.492	29.03	0
1/25/21 21:00	2.261	126.2	7.777	1.667	29.04	0
1/25/21 21:15	2.21	115	8.06	1.674	29.04	0
1/25/21 21:30	1.946	121.3	11.89	1.901	29.04	0
1/25/21 21:45	2.089	140.6	12.39	2.072	29.04	0
1/25/21 22:00	2.553	172.8	19.48	2.104	29.02	0
1/25/21 22:15	4.07	183.9	8.18	2.222	29.02	0
1/25/21 22:30	4.692	168.8	7.321	2.078	29.02	0
1/25/21 22:45	5.061	171.3	7.999	2.003	29.02	0
1/25/21 23:00	4.074	151.8	12.22	1.849	29	0
1/25/21 23:15	3.141	132.3	12.03	1.809	29	0
1/25/21 23:30	3.182	114.6	8.6	1.723	29	0
1/25/21 23:45	3.36	110.9	9.08	1.765	29	0
1/26/21 0:00	1.228	129.9	22.93	1.786	28.98	0
1/26/21 0:15	1.241	138.9	16.41	1.996	28.98	0
1/26/21 0:30	0.688	84.5	2.904	1.897	28.98	0
1/26/21 0:45	0.866	133.4	10.62	1.9	28.98	0
1/26/21 1:00	0.03	116.5	0.175	2.045	28.99	0
1/26/21 1:15	0.426	100.5	10.83	2.118	28.99	0
1/26/21 1:30	1.347	54.86	16.67	1.952	28.99	0
1/26/21 1:45	1.896	32.1	16.42	1.502	28.99	0
1/26/21 2:00	1.69	87.8	24.74	0.921	28.97	0
1/26/21 2:15	2.732	134.6	9.18	0.97	28.97	0
1/26/21 2:30	3.403	144	19.79	1.515	28.97	0
1/26/21 2:45	3.551	77.96	39.12	0.612	28.97	0
1/26/21 3:00	1.94	62.41	9.02	0.247	28.93	0
1/26/21 3:15	2.537	115.6	34.89	0.906	28.93	0
1/26/21 3:30	4.967	176.2	16.73	0.949	28.93	0
1/26/21 3:45	4.73	168.8	13.59	0.77	28.93	0
1/26/21 4:00	4.32	162.2	10.3	0.769	28.93	0
1/26/21 4:15	3.716	165.1	13.33	0.621	28.93	0
1/26/21 4:30	5.274	164.1	17.71	0.495	28.93	0
1/26/21 4:45	6.092	157	11.66	0.865	28.93	0
1/26/21 5:00	5.539	125.3	12.86	0.87	28.91	0
1/26/21 5:15	5.249	114.1	11.99	0.773	28.91	0
1/26/21 5:30	4.543	146.8	12.46	0.87	28.91	0
1/26/21 5:45	6.908	159.5	14.13	1.061	28.91	0
1/26/21 6:00	5.614	125	19.17	1.179	28.87	0
1/26/21 6:15	5.164	163.8	26.05	1.032	28.87	0
1/26/21 6:30	8.22	142	21.2	1.064	28.87	0
1/26/21 6:45	8.15	114.7	13.17	1.08	28.87	0
1/26/21 7:00	7.116	116.9	15.85	0.93	28.87	0
1/26/21 7:15	6.705	105.7	13.22	0.9	28.87	0
1/26/21 7:30	4.899	116	16.54	0.747	28.87	0
1/26/21 7:45	4.175	114.6	20.17	0.761	28.87	0
1/26/21 8:00	5.627	104.6	14.79	0.587	28.86	0
1/26/21 8:15	5.497	112.5	12.33	0.695	28.86	0
1/26/21 8:30	5.365	119.1	11.92	0.952	28.86	0
1/26/21 8:45	6.315	107.6	15.02	1.117	28.86	0
1/26/21 9:00	7.4	106.9	12.27	1.189	28.82	0
1/26/21 9:15	8.45	116.1	11.94	1.385	28.82	0
1/26/21 9:30	7.858	112.8	12.53	1.593	28.82	0
1/26/21 9:45	7.332	125.2	11.42	2.055	28.82	0
1/26/21 10:00	6.328	109.1	14.58	2.339	28.8	0
1/26/21 10:15	6.705	107.8	18.17	2.988	28.8	0
1/26/21 10:30	11.78	104.5	14.1	3.155	28.8	0
1/26/21 10:45	11.78	113.7	15.41	3.476	28.8	0
1/26/21 11:00	11.36	123.2	13.68	3.723	28.79	0
1/26/21 11:15	9.68	117.8	17.95	4.052	28.79	0
1/26/21 11:30	10.48	116.2	17.79	4.085	28.79	0
1/26/21 11:45	9.38	122.9	15.15	4.182	28.79	0
1/26/21 12:00	10.88	111.1	14.7	4.247	28.76	0
1/26/21 12:15	11.36	107.3	14.89	4.16	28.76	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/26/21 12:30	14.42	104.2	14.19	4.008	28.76	0
1/26/21 12:45	14.31	111	14.14	3.918	28.76	0
1/26/21 13:00	15.22	112.8	15.95	3.982	28.73	0
1/26/21 13:15	14.58	112.7	13.21	4.102	28.73	0
1/26/21 13:30	13.2	109.1	15.28	4.22	28.73	0
1/26/21 13:45	16.38	113.6	13.58	4.168	28.73	0
1/26/21 14:00	12.64	112.4	13.41	4.113	28.72	0
1/26/21 14:15	15.51	116	15.98	4.088	28.72	0
1/26/21 14:30	14.83	105.9	14.33	4.092	28.72	0
1/26/21 14:45	16.03	110.2	17.07	4.035	28.72	0
1/26/21 15:00	15.96	110.8	17.05	4.048	28.69	0
1/26/21 15:15	14.77	114.5	16.52	4.066	28.69	0
1/26/21 15:30	18.95	106.4	14.77	4.074	28.69	0
1/26/21 15:45	18.1	100.9	15.66	4.027	28.69	0
1/26/21 16:00	17.91	106.3	13.2	3.954	28.66	0
1/26/21 16:15	19.97	107.9	11.83	3.911	28.66	0
1/26/21 16:30	17.64	105.9	13.7	3.791	28.66	0
1/26/21 16:45	15.23	104.6	14.26	3.744	28.66	0
1/26/21 17:00	18.23	104.6	11.42	3.777	28.64	0
1/26/21 17:15	19.67	105.6	14.48	3.84	28.64	0
1/26/21 17:30	17.19	108.8	15.25	3.918	28.64	0
1/26/21 17:45	19.81	113.9	13.67	4.041	28.64	0
1/26/21 18:00	19.13	113.3	13.15	4.191	28.61	0
1/26/21 18:15	17.99	113.7	12.75	4.149	28.61	0
1/26/21 18:30	17.02	110.6	13.71	4.195	28.61	0
1/26/21 18:45	20.29	118.9	11.37	4.295	28.61	0
1/26/21 19:00	22.22	115.9	12.73	4.396	28.59	0
1/26/21 19:15	22.5	115.1	13.78	4.452	28.59	0
1/26/21 19:30	19.46	113.8	14.27	4.498	28.59	0
1/26/21 19:45	21.28	116.6	13.73	4.61	28.59	0
1/26/21 20:00	19.95	113.7	12.8	4.709	28.61	0
1/26/21 20:15	20.35	111.4	13.79	4.783	28.61	0
1/26/21 20:30	21.76	109.2	16.39	4.881	28.61	0
1/26/21 20:45	23.33	111.2	13.8	4.942	28.61	0
1/26/21 21:00	23.44	111.4	11.14	5.012	28.59	0
1/26/21 21:15	22.29	111.4	13.43	5.052	28.59	0
1/26/21 21:30	21.49	109.1	13.83	5.134	28.59	0
1/26/21 21:45	22.13	107.2	13.16	5.156	28.59	0
1/26/21 22:00	20.74	109	12.99	5.172	28.59	0
1/26/21 22:15	22.69	109.4	12.89	5.272	28.59	0
1/26/21 22:30	21.83	112.4	13.47	5.369	28.59	0
1/26/21 22:45	23.22	109.9	13	5.519	28.59	0
1/26/21 23:00	22.1	113.8	12.8	5.521	28.57	0
1/26/21 23:15	21.73	109.1	13.03	5.56	28.57	0
1/26/21 23:30	19.56	101.1	12.93	5.64	28.57	0
1/26/21 23:45	13.88	102.7	14.7	5.643	28.57	0
1/27/21 0:00	15.31	104.6	13.61	5.555	28.6	0
1/27/21 0:15	16.14	94.6	14.33	5.461	28.6	0
1/27/21 0:30	14.45	103.4	14.21	5.434	28.6	0
1/27/21 0:45	17.44	108.1	12.28	5.435	28.6	0
1/27/21 1:00	13.92	109.9	11.62	5.475	28.61	0
1/27/21 1:15	11.44	104.2	13.49	5.433	28.61	0
1/27/21 1:30	13.1	111.1	13.44	5.403	28.61	0
1/27/21 1:45	14.99	122.3	12.18	5.28	28.61	0
1/27/21 2:00	14.89	113.7	12.72	5.185	28.6	0
1/27/21 2:15	13.39	114.3	11.23	5.137	28.6	0
1/27/21 2:30	13.38	117.1	12.15	5.172	28.6	0
1/27/21 2:45	10.85	117.2	10.76	5.121	28.6	0
1/27/21 3:00	7.773	113.1	12.07	5.118	28.62	0
1/27/21 3:15	10.2	119.9	12.05	5.152	28.62	0
1/27/21 3:30	11.54	124.3	11.18	5.062	28.62	0
1/27/21 3:45	10.94	125.8	10.05	5.015	28.62	0
1/27/21 4:00	10.35	122.8	10.34	4.983	28.64	0
1/27/21 4:15	10.05	128.4	8.52	5.038	28.64	0
1/27/21 4:30	10.32	133.5	10.2	4.977	28.64	0
1/27/21 4:45	10.23	138.5	9.58	4.93	28.64	0
1/27/21 5:00	8.53	143.2	10.3	4.908	28.64	0
1/27/21 5:15	4.888	196.1	14.93	4.562	28.64	0
1/27/21 5:30	5.34	209.4	11.59	4.395	28.64	0
1/27/21 5:45	5.796	196.9	7.402	4.258	28.64	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/27/21 6:00	7.277	181.2	10.23	4.395	28.65	0
1/27/21 6:15	7.162	196.9	10.61	4.155	28.65	0
1/27/21 6:30	8.55	190.9	22.01	3.827	28.65	0
1/27/21 6:45	6.862	196.1	18.91	3.405	28.65	0
1/27/21 7:00	7.213	175.7	21.58	3.2	28.68	0
1/27/21 7:15	4.1	131.5	68.83	3.066	28.68	0
1/27/21 7:30	5.201	16.48	21.91	2.51	28.68	0
1/27/21 7:45	4.739	2.702	13.4	2.122	28.68	0
1/27/21 8:00	4.104	4.741	12.59	2.081	28.69	0
1/27/21 8:15	3.517	357.7	13.77	1.939	28.69	0
1/27/21 8:30	3.048	312	22.9	1.803	28.69	0.01
1/27/21 8:45	3.99	288.2	9.35	2.001	28.69	0
1/27/21 9:00	2.453	328.5	70.81	2.048	28.72	0
1/27/21 9:15	3.891	319.7	12.99	1.941	28.72	0
1/27/21 9:30	4.379	340.4	19.5	1.894	28.72	0
1/27/21 9:45	4.439	0.741	13.24	2.456	28.72	0
1/27/21 10:00	3.951	15.4	9.17	2.523	28.73	0
1/27/21 10:15	3.958	13.86	6.867	2.727	28.73	0
1/27/21 10:30	2.891	28.13	13	3.037	28.73	0
1/27/21 10:45	3.103	10.01	12.7	3.192	28.73	0
1/27/21 11:00	2.795	345.5	17.56	3.524	28.74	0
1/27/21 11:15	3.132	334.3	8.55	3.787	28.74	0
1/27/21 11:30	3.177	324.3	12.34	3.915	28.74	0
1/27/21 11:45	4.188	291.8	7.663	4.066	28.74	0
1/27/21 12:00	4.835	292.8	6.995	4.268	28.75	0
1/27/21 12:15	6.082	310.2	6.731	4.395	28.75	0
1/27/21 12:30	6.433	327.6	17.1	4.822	28.75	0
1/27/21 12:45	4.329	326.9	13.25	5.042	28.75	0
1/27/21 13:00	4.152	335.1	20.21	5.431	28.76	0
1/27/21 13:15	3.477	345.3	17.22	5.341	28.76	0
1/27/21 13:30	3.108	12.84	11.65	5.446	28.76	0
1/27/21 13:45	2.355	20.79	9.37	5.67	28.76	0
1/27/21 14:00	1.129	22.04	15.24	6.33	28.76	0
1/27/21 14:15	3.231	15.18	15.09	6.337	28.76	0
1/27/21 14:30	2.585	0.642	17.92	6.779	28.76	0
1/27/21 14:45	2.298	17.56	15.07	6.813	28.76	0
1/27/21 15:00	2.914	9.24	12.46	6.646	28.76	0
1/27/21 15:15	4.43	19.45	8.64	6.289	28.76	0
1/27/21 15:30	3.788	17.83	8.97	6.075	28.76	0
1/27/21 15:45	3.59	13.67	8.43	6.12	28.76	0
1/27/21 16:00	3.499	19.46	9.61	5.964	28.75	0
1/27/21 16:15	4.115	11.4	8.14	5.739	28.75	0
1/27/21 16:30	5.259	11.07	7.573	5.572	28.75	0
1/27/21 16:45	5.553	9.55	8.89	5.397	28.75	0
1/27/21 17:00	4.53	15.3	13.68	5.39	28.75	0
1/27/21 17:15	2.948	71.99	34.41	5.593	28.75	0
1/27/21 17:30	5.939	167.3	12.42	5.454	28.75	0
1/27/21 17:45	11.65	146.6	9.51	5.917	28.75	0
1/27/21 18:00	11.94	152.2	9.47	5.426	28.79	0
1/27/21 18:15	7.835	117.2	19.45	4.543	28.79	0.01
1/27/21 18:30	4.051	101.5	16.44	4.013	28.79	0
1/27/21 18:45	3.883	42.21	19.2	3.699	28.79	0
1/27/21 19:00	1.556	17.15	11.92	3.791	28.79	0
1/27/21 19:15	4.174	109.8	18.14	4.213	28.79	0
1/27/21 19:30	7.246	106.5	11.85	4.05	28.79	0.01
1/27/21 19:45	5.098	68.01	14.11	3.902	28.79	0
1/27/21 20:00	3.194	24.73	16.58	3.775	28.79	0
1/27/21 20:15	2.768	42.7	24.22	4.167	28.79	0
1/27/21 20:30	3.606	69.91	21.09	4.478	28.79	0
1/27/21 20:45	1.266	26.84	31.72	4.213	28.79	0
1/27/21 21:00	1.961	55.53	16.43	4.373	28.78	0
1/27/21 21:15	2.611	90.4	27.31	4.573	28.78	0
1/27/21 21:30	2.626	118.5	48.32	4.685	28.78	0
1/27/21 21:45	2.167	121.7	26.85	4.751	28.78	0
1/27/21 22:00	3.123	34.56	54.39	3.945	28.78	0
1/27/21 22:15	3.276	13.31	11.96	3.479	28.78	0
1/27/21 22:30	2.614	297.8	48.63	4.148	28.78	0
1/27/21 22:45	2.264	237.2	89.9	4.705	28.78	0
1/27/21 23:00	3.125	289.6	22.22	4.217	28.79	0
1/27/21 23:15	2.746	156.2	55.7	5.068	28.79	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/27/21 23:30	3.009	136.3	15.67	4.808	28.79	0
1/27/21 23:45	2.25	188.3	72.97	4.512	28.79	0
1/28/21 0:00	1.826	260.3	30.47	4.182	28.79	0
1/28/21 0:15	1.897	123	65.68	4.397	28.79	0
1/28/21 0:30	0.458	88.7	10.68	4.125	28.79	0
1/28/21 0:45	1.76	51.4	29.31	4.075	28.79	0
1/28/21 1:00	2.682	49.78	26.44	4.106	28.79	0
1/28/21 1:15	3.698	39.64	16.13	4.193	28.79	0
1/28/21 1:30	2.88	21.14	13.7	4.118	28.79	0
1/28/21 1:45	2.896	20.11	18.05	4.462	28.79	0
1/28/21 2:00	2.686	66.06	23.15	4.523	28.79	0
1/28/21 2:15	4.838	54.08	16.51	3.954	28.79	0
1/28/21 2:30	5.432	90.7	20.91	4.491	28.79	0
1/28/21 2:45	7.966	100.9	10.41	4.791	28.79	0
1/28/21 3:00	8.37	105.3	9.95	4.611	28.79	0
1/28/21 3:15	7.081	98.2	10.4	4.824	28.79	0
1/28/21 3:30	4.404	73.89	9.1	4.889	28.79	0
1/28/21 3:45	2.628	55.41	16.11	4.849	28.79	0.01
1/28/21 4:00	3.798	80.3	15.27	4.753	28.79	0
1/28/21 4:15	5.711	116.7	31.24	4.211	28.79	0.01
1/28/21 4:30	5.894	116.6	10.21	4.403	28.79	0
1/28/21 4:45	4.275	149.4	16.89	4.501	28.79	0
1/28/21 5:00	2.59	226.8	43.31	4.767	28.81	0.01
1/28/21 5:15	5.645	290.7	3.163	4.356	28.81	0.02
1/28/21 5:30	7.648	287.4	1.992	3.976	28.81	0.01
1/28/21 5:45	7.092	299.1	4.136	3.944	28.81	0
1/28/21 6:00	7.369	296.1	4.947	3.816	28.82	0
1/28/21 6:15	4.226	329.9	41.4	3.637	28.82	0.01
1/28/21 6:30	4.489	317.1	23.17	3.457	28.82	0
1/28/21 6:45	7.16	301.6	8.13	3.592	28.82	0
1/28/21 7:00	7.945	309.1	4.813	3.534	28.84	0
1/28/21 7:15	5.096	329.6	11.71	3.488	28.84	0
1/28/21 7:30	4.209	316.3	17.79	3.522	28.84	0
1/28/21 7:45	4.745	282.2	6.053	3.692	28.84	0
1/28/21 8:00	2.548	14.66	39.97	3.427	28.86	0
1/28/21 8:15	2.888	17.68	9.76	3.232	28.86	0
1/28/21 8:30	4.301	345.9	22.47	3.345	28.86	0
1/28/21 8:45	4.032	322.2	15.92	3.832	28.86	0
1/28/21 9:00	2.262	306.2	12.88	4.024	28.88	0
1/28/21 9:15	1.828	344.7	21	3.999	28.88	0
1/28/21 9:30	3.187	352.6	15.43	3.905	28.88	0
1/28/21 9:45	3.527	350.3	17.55	3.82	28.88	0
1/28/21 10:00	5.505	357.3	14.92	4.251	28.88	0
1/28/21 10:15	4.773	356.2	14.92	4.762	28.88	0
1/28/21 10:30	5.632	357.5	16.32	4.913	28.88	0
1/28/21 10:45	4.017	351.9	16.05	4.87	28.88	0
1/28/21 11:00	3.629	334	18.25	5.02	28.88	0
1/28/21 11:15	3.852	329.7	20.11	4.801	28.88	0
1/28/21 11:30	2.53	19.55	13.35	4.828	28.88	0
1/28/21 11:45	4.647	2.757	13.78	4.951	28.88	0.01
1/28/21 12:00	4.634	1.736	19.98	4.806	28.91	0
1/28/21 12:15	5.581	7.309	13.3	4.7	28.91	0.01
1/28/21 12:30	6.343	352.6	15.44	4.851	28.91	0
1/28/21 12:45	6.907	7.262	12.16	4.893	28.91	0
1/28/21 13:00	7.663	3.787	13.62	4.924	28.91	0
1/28/21 13:15	9.27	3.103	14.51	4.956	28.91	0
1/28/21 13:30	8.99	4.111	14.05	4.98	28.91	0
1/28/21 13:45	8.43	8.85	12.72	5.142	28.91	0
1/28/21 14:00	6.153	15.88	11.37	5.619	28.89	0
1/28/21 14:15	7.387	15.17	12.61	5.429	28.89	0
1/28/21 14:30	7.968	13.7	10.12	5.215	28.89	0
1/28/21 14:45	8.92	9.4	12.9	5.11	28.89	0
1/28/21 15:00	7.298	8.05	12.52	5.279	28.92	0
1/28/21 15:15	4.04	1.204	12.65	5.674	28.92	0
1/28/21 15:30	2.666	341.1	21.42	5.75	28.92	0
1/28/21 15:45	2.544	3.426	18.38	5.758	28.92	0
1/28/21 16:00	4.216	13.11	17.04	5.618	28.93	0
1/28/21 16:15	6.147	11.73	8.51	5.253	28.93	0
1/28/21 16:30	5.398	8.68	10.52	5.077	28.93	0
1/28/21 16:45	5.854	15.05	8.45	5.094	28.93	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/28/21 17:00	6.389	23.68	7.61	5.042	28.95	0
1/28/21 17:15	6.032	24.72	7.997	4.931	28.95	0
1/28/21 17:30	5.433	20.13	11.52	4.927	28.95	0
1/28/21 17:45	4.761	33.15	6.306	4.853	28.95	0
1/28/21 18:00	4.552	21.17	7.211	4.836	28.93	0
1/28/21 18:15	3.272	13.69	13.3	4.552	28.93	0
1/28/21 18:30	3.374	277.4	29.7	4.466	28.93	0
1/28/21 18:45	4.087	279.8	14.74	4.671	28.93	0
1/28/21 19:00	2.465	354.8	29.8	4.391	28.96	0
1/28/21 19:15	2.733	27.74	5.875	4.368	28.96	0
1/28/21 19:30	2.983	27.04	7.478	4.295	28.96	0
1/28/21 19:45	3.535	25.77	9.98	4.23	28.96	0
1/28/21 20:00	3.613	19.93	3.623	4.242	28.97	0
1/28/21 20:15	2.788	58.83	21.79	4.308	28.97	0
1/28/21 20:30	2.224	118.4	17.06	4.272	28.97	0
1/28/21 20:45	2.964	154.4	21.91	4.283	28.97	0
1/28/21 21:00	2.915	186	12.34	4.453	28.98	0
1/28/21 21:15	1.991	200.3	36.17	4.53	28.98	0
1/28/21 21:30	1.421	149.5	14.82	4.651	28.98	0
1/28/21 21:45	3.38	204.7	13.8	4.592	28.98	0
1/28/21 22:00	1.953	224.4	90.1	4.399	28.97	0
1/28/21 22:15	1.712	34.85	7.153	4.093	28.97	0
1/28/21 22:30	2.395	33.23	3.671	4.194	28.97	0
1/28/21 22:45	0.801	22.73	3.028	4.511	28.97	0
1/28/21 23:00	0.495	12.4	7.168	4.634	28.97	0
1/28/21 23:15	0.654	0.088	0.086	4.638	28.97	0
1/28/21 23:30	0.757	16.4	16.62	4.185	28.97	0
1/28/21 23:45	0	0	0	4.061	28.97	0
1/29/21 0:00	0	0	0	4.14	28.99	0
1/29/21 0:15	0	0	0	4.211	28.99	0
1/29/21 0:30	0.717	59.61	1.667	4.344	28.99	0
1/29/21 0:45	1.494	60.94	3.49	3.929	28.99	0
1/29/21 1:00	1.139	45.25	10.77	3.816	28.99	0
1/29/21 1:15	0.7	29.04	6.328	3.835	28.99	0.01
1/29/21 1:30	1.409	15.26	1.198	3.967	28.99	0
1/29/21 1:45	2.028	17.49	4.67	3.931	28.99	0
1/29/21 2:00	2.362	11.99	4.171	3.767	28.99	0
1/29/21 2:15	2.136	5.711	5.937	3.624	28.99	0
1/29/21 2:30	1.395	343.5	23.73	3.716	28.99	0
1/29/21 2:45	1	12.69	42.4	3.692	28.99	0
1/29/21 3:00	1.36	12.86	12	3.56	28.99	0
1/29/21 3:15	0.888	5.016	18.68	3.547	28.99	0
1/29/21 3:30	0	0	0	3.648	28.99	0
1/29/21 3:45	0.916	219.8	25.87	3.671	28.99	0
1/29/21 4:00	1.672	253.9	14.85	3.554	28.99	0
1/29/21 4:15	1.38	271	26.61	3.583	28.99	0
1/29/21 4:30	0.127	333.8	29.96	3.54	28.99	0
1/29/21 4:45	0	0	0	3.606	28.99	0
1/29/21 5:00	0.812	32.98	7.116	3.466	28.96	0
1/29/21 5:15	0.396	22.44	0.118	3.577	28.96	0
1/29/21 5:30	1.588	274	17.66	3.547	28.96	0
1/29/21 5:45	1.312	203.3	21.82	3.504	28.96	0
1/29/21 6:00	1.403	86.2	13.04	3.53	28.96	0
1/29/21 6:15	1.179	50.39	13.09	3.359	28.96	0
1/29/21 6:30	0.772	15.85	16.83	3.476	28.96	0
1/29/21 6:45	2.257	114.1	20.45	3.42	28.96	0
1/29/21 7:00	2.965	152.8	6.219	3.5	28.96	0
1/29/21 7:15	3.925	131	15.06	3.553	28.96	0
1/29/21 7:30	2.449	98.3	7.298	3.48	28.96	0
1/29/21 7:45	3.417	84.7	9.07	3.31	28.96	0
1/29/21 8:00	2.868	153.8	35.68	3.207	28.96	0
1/29/21 8:15	3.254	189.7	23.08	3.148	28.96	0
1/29/21 8:30	3.542	141.1	4.77	3.648	28.96	0
1/29/21 8:45	3.925	137	12.44	3.641	28.96	0
1/29/21 9:00	2.685	138.9	10.07	3.491	28.97	0
1/29/21 9:15	3.484	143.7	12.48	3.637	28.97	0
1/29/21 9:30	3.765	149.7	15.58	4.11	28.97	0
1/29/21 9:45	4.254	147.9	12.97	4.567	28.97	0
1/29/21 10:00	4.53	163.2	17.05	4.782	28.98	0
1/29/21 10:15	4.327	172.2	15.42	4.842	28.98	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/29/21 10:30	2.089	147.4	25.6	5.509	28.98	0
1/29/21 10:45	1.913	138.1	29.02	6.339	28.98	0
1/29/21 11:00	3.667	210.4	12.76	5.896	28.97	0
1/29/21 11:15	3.621	193.3	13.87	5.63	28.97	0
1/29/21 11:30	2.698	161.2	31.29	6.362	28.97	0
1/29/21 11:45	5.844	162.9	16.21	6.654	28.97	0
1/29/21 12:00	4.669	209.2	32.78	6.35	28.98	0
1/29/21 12:15	3.966	255.8	16.29	6.254	28.98	0
1/29/21 12:30	5.953	224.6	12.25	6.371	28.98	0
1/29/21 12:45	5.74	216.6	10.2	6.397	28.98	0
1/29/21 13:00	6.26	227	8.88	6.362	28.97	0
1/29/21 13:15	4.41	210.8	13.85	6.535	28.97	0
1/29/21 13:30	4.975	185.4	10.88	6.633	28.97	0
1/29/21 13:45	6.363	183.8	16.42	7.421	28.97	0
1/29/21 14:00	5.561	183.1	15.79	7.502	28.97	0
1/29/21 14:15	4.866	193.6	15.53	7.611	28.97	0
1/29/21 14:30	6.799	206.8	16.03	7.47	28.97	0
1/29/21 14:45	7.198	211.6	7.834	7.446	28.97	0
1/29/21 15:00	5.405	203.1	12.06	7.415	28.97	0
1/29/21 15:15	3.674	189	13.4	7.442	28.97	0
1/29/21 15:30	5.392	200.7	13.53	7.293	28.97	0
1/29/21 15:45	6.443	208.9	13.29	7.179	28.97	0
1/29/21 16:00	6.026	248.2	10.48	6.855	28.98	0
1/29/21 16:15	6.767	264.3	11.88	6.491	28.98	0
1/29/21 16:30	7.428	260.5	6.772	6.145	28.98	0
1/29/21 16:45	5.137	263.5	8.25	5.92	28.98	0
1/29/21 17:00	3.871	269	7.604	5.686	28.96	0
1/29/21 17:15	1.673	11.42	52.59	5.423	28.96	0
1/29/21 17:30	2.697	47.01	4.324	5.385	28.96	0
1/29/21 17:45	3.413	52.28	4.813	5.398	28.96	0
1/29/21 18:00	4.616	72.69	7.268	5.305	28.97	0
1/29/21 18:15	3.973	84.7	4.963	5.243	28.97	0
1/29/21 18:30	3.354	91.3	4.509	5.19	28.97	0
1/29/21 18:45	2.753	100.7	6.161	5.337	28.97	0
1/29/21 19:00	2.534	79.38	12.34	5.241	28.97	0
1/29/21 19:15	1.177	133.3	63.14	5.016	28.97	0
1/29/21 19:30	1.919	146.8	26.63	4.92	28.97	0
1/29/21 19:45	3.114	134.7	7.627	5.112	28.97	0
1/29/21 20:00	2.783	137.6	17.66	4.852	28.97	0
1/29/21 20:15	3.775	126.8	14.55	4.779	28.97	0
1/29/21 20:30	4.556	112.2	8.2	4.916	28.97	0
1/29/21 20:45	3.645	156.3	21.52	4.868	28.97	0
1/29/21 21:00	5.982	215.6	20.58	4.475	28.99	0
1/29/21 21:15	6.125	217.3	12.41	4.426	28.99	0
1/29/21 21:30	3.105	241.5	10.62	4.538	28.99	0
1/29/21 21:45	3.179	212.6	13.85	4.451	28.99	0
1/29/21 22:00	3.083	156.1	58.18	4.25	29.03	0
1/29/21 22:15	2.259	92.7	14.2	3.873	29.03	0
1/29/21 22:30	5.478	83.1	7.128	3.743	29.03	0
1/29/21 22:45	4.704	89.1	8.7	3.888	29.03	0
1/29/21 23:00	4.678	114.8	7.561	4.316	29.03	0
1/29/21 23:15	4.31	139.3	13.52	4.324	29.03	0
1/29/21 23:30	3.189	136.4	17.59	4.231	29.03	0
1/29/21 23:45	3.226	152.3	30.47	4.319	29.03	0.01
1/30/21 0:00	4.887	179.5	19.94	3.862	29.04	0
1/30/21 0:15	4.697	154.2	16.98	3.719	29.04	0
1/30/21 0:30	4.325	112.2	10.63	3.884	29.04	0
1/30/21 0:45	4.606	129.7	9.99	4.07	29.04	0
1/30/21 1:00	4.875	112.2	13.8	4.17	29.03	0
1/30/21 1:15	5.584	112.4	11.13	4.274	29.03	0
1/30/21 1:30	7.212	137.3	12.71	4.409	29.03	0
1/30/21 1:45	8.08	121.9	10.24	4.52	29.03	0
1/30/21 2:00	8.45	114.7	9.26	4.649	29.02	0
1/30/21 2:15	8.38	114.9	8.87	4.811	29.02	0
1/30/21 2:30	7.634	105.3	11.28	4.755	29.02	0
1/30/21 2:45	8.36	130.7	28.86	4.708	29.02	0
1/30/21 3:00	8.56	137.3	10.47	4.508	29.03	0.01
1/30/21 3:15	8.01	135.4	10.1	4.368	29.03	0.01
1/30/21 3:30	10.24	119.2	8.55	4.374	29.03	0.01
1/30/21 3:45	11.58	115.4	9.13	4.265	29.03	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/30/21 4:00	11.41	116.1	8.65	4.2	29.03	0.01
1/30/21 4:15	11.63	110.1	10.44	4.049	29.03	0
1/30/21 4:30	13.14	118.8	10.11	4.16	29.03	0
1/30/21 4:45	13.8	122.1	10.13	4.275	29.03	0
1/30/21 5:00	15.32	122.6	11.16	4.627	29.03	0
1/30/21 5:15	14.38	125.1	9.72	4.923	29.03	0
1/30/21 5:30	14.74	126.9	10.3	5.134	29.03	0
1/30/21 5:45	14.18	126	9.8	5.235	29.03	0
1/30/21 6:00	13.3	127.3	10.55	5.195	29.04	0
1/30/21 6:15	12.91	128.1	10.51	5.505	29.04	0
1/30/21 6:30	12.74	130.4	9.12	5.749	29.04	0
1/30/21 6:45	13.9	128.7	8.9	5.872	29.04	0
1/30/21 7:00	12.58	124.4	10.04	5.725	29.03	0
1/30/21 7:15	12.2	130.6	9.79	5.751	29.03	0
1/30/21 7:30	14.25	127.2	10.14	5.57	29.03	0
1/30/21 7:45	16.64	126.1	11.07	5.547	29.03	0
1/30/21 8:00	13.78	126.2	9.97	5.294	29.03	0
1/30/21 8:15	13.15	128.4	10.1	5.519	29.03	0.01
1/30/21 8:30	12.63	125.6	8.83	5.407	29.03	0
1/30/21 8:45	15.7	128.9	8.22	5.809	29.03	0
1/30/21 9:00	13.9	130.1	10.17	5.954	29.06	0
1/30/21 9:15	11.68	130.2	10.03	5.91	29.06	0
1/30/21 9:30	12.19	126.8	10.35	6.071	29.06	0
1/30/21 9:45	11.37	129.1	10.94	6.162	29.06	0
1/30/21 10:00	9.76	138.3	11.36	6.351	29.07	0
1/30/21 10:15	9.53	152.6	12.76	6.38	29.07	0
1/30/21 10:30	9.52	145.8	13.88	6.448	29.07	0
1/30/21 10:45	12.94	133.9	14.28	5.913	29.07	0
1/30/21 11:00	11.03	121.6	11.43	5.275	29.11	0.01
1/30/21 11:15	12.89	127.1	11.56	5.543	29.11	0
1/30/21 11:30	13.78	127.6	9.01	6.02	29.11	0
1/30/21 11:45	11.18	132.1	10.74	6.375	29.11	0
1/30/21 12:00	12.55	132.2	10.27	6.852	29.09	0
1/30/21 12:15	10.76	132.8	11.78	6.947	29.09	0
1/30/21 12:30	9.29	132.3	12.1	7.02	29.09	0
1/30/21 12:45	8.3	140.2	10.23	7.254	29.09	0
1/30/21 13:00	7.918	131.7	11.05	7.462	29.08	0
1/30/21 13:15	9.22	127.9	9.29	7.606	29.08	0
1/30/21 13:30	10.04	123.8	12.86	7.712	29.08	0
1/30/21 13:45	7.877	120.6	12.7	7.853	29.08	0
1/30/21 14:00	7.816	126.8	10.72	7.964	29.05	0
1/30/21 14:15	7.445	123.8	11.36	8.13	29.05	0
1/30/21 14:30	8.51	133.8	10.73	8.18	29.05	0
1/30/21 14:45	9.18	125.7	11.24	8.35	29.05	0
1/30/21 15:00	8.53	130.5	11.01	8.34	29.05	0
1/30/21 15:15	9.58	132.4	11.73	8.39	29.05	0
1/30/21 15:30	9.82	132.5	11.63	8.5	29.05	0
1/30/21 15:45	10.97	130.7	10.36	8.58	29.05	0
1/30/21 16:00	7.871	140.9	19.97	8.61	29.05	0
1/30/21 16:15	9.59	132.2	13.39	8.6	29.05	0
1/30/21 16:30	10.64	132.6	11.94	8.64	29.05	0
1/30/21 16:45	8.96	147.5	21.25	8.38	29.05	0
1/30/21 17:00	9.78	132.5	16.19	8.4	29.05	0
1/30/21 17:15	8.41	131.7	10.73	8.4	29.05	0
1/30/21 17:30	8.53	135.3	16.56	8.31	29.05	0
1/30/21 17:45	9.01	131	11.29	8.06	29.05	0
1/30/21 18:00	9.94	128.1	10.8	8.06	29.06	0
1/30/21 18:15	6.905	170.2	31.12	7.881	29.06	0
1/30/21 18:30	6.285	161.8	18.64	7.694	29.06	0
1/30/21 18:45	4.807	187.7	23.66	7.423	29.06	0
1/30/21 19:00	3.706	184.7	36.3	7.334	29.09	0
1/30/21 19:15	5.013	209.9	9.3	7.247	29.09	0
1/30/21 19:30	4.18	230.2	10.1	7.318	29.09	0
1/30/21 19:45	5.548	242.1	6.625	7.314	29.09	0
1/30/21 20:00	3.233	280.6	34.38	7.001	29.07	0
1/30/21 20:15	3.089	40.69	10.55	6.074	29.07	0
1/30/21 20:30	3.315	59.61	7.451	6.028	29.07	0
1/30/21 20:45	1.092	99.1	24.85	6.797	29.07	0.01
1/30/21 21:00	2.147	23.36	12.71	6.723	29.07	0
1/30/21 21:15	3.158	42.07	5.655	5.722	29.07	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/30/21 21:30	2.187	3.272	25.2	6.403	29.07	0
1/30/21 21:45	3.861	303.1	44.64	7.016	29.07	0
1/30/21 22:00	6.337	288	12.89	6.948	29.05	0
1/30/21 22:15	4.636	321.4	32.36	6.085	29.05	0
1/30/21 22:30	2.12	313.2	25.56	6.514	29.05	0
1/30/21 22:45	3.245	45.8	9.33	6.083	29.05	0
1/30/21 23:00	3.62	27.42	6.817	5.731	29.07	0
1/30/21 23:15	3.77	46.27	10.43	6.366	29.07	0
1/30/21 23:30	5.954	110.7	26.64	7.182	29.07	0
1/30/21 23:45	6.595	125.5	22.47	7.51	29.07	0
1/31/21 0:00	4.389	110.3	18.08	7.294	29.04	0
1/31/21 0:15	5.501	136	19.7	7.927	29.04	0
1/31/21 0:30	8.12	152.8	12.4	8.4	29.04	0
1/31/21 0:45	9.24	155.1	12.91	8.74	29.04	0
1/31/21 1:00	9.39	140.6	11.96	9.01	29.06	0
1/31/21 1:15	9.05	152.5	17.93	9.16	29.06	0
1/31/21 1:30	9.82	142.5	21.25	9.03	29.06	0
1/31/21 1:45	10.61	144.5	11.9	9.3	29.06	0
1/31/21 2:00	8.56	145.2	13.56	9.33	29.06	0
1/31/21 2:15	7.254	198.2	21.39	8.93	29.06	0
1/31/21 2:30	8.77	175.9	20.78	8.49	29.06	0.01
1/31/21 2:45	5.987	189.5	15.65	8.38	29.06	0
1/31/21 3:00	6.582	227.6	15.91	8.01	29.08	0.02
1/31/21 3:15	5.308	209.8	15.2	7.956	29.08	0
1/31/21 3:30	4.418	77.5	41.96	6.953	29.08	0.01
1/31/21 3:45	5.937	77.4	10.98	6.506	29.08	0
1/31/21 4:00	7.737	88.4	8.8	7.18	29.06	0
1/31/21 4:15	8.44	99.7	8.95	7.35	29.06	0
1/31/21 4:30	7.55	86.2	13.32	7.77	29.06	0
1/31/21 4:45	5.092	72.88	19.16	8.09	29.06	0
1/31/21 5:00	6.077	184.3	22.58	7.379	29.06	0
1/31/21 5:15	5.331	95.7	20.3	7.313	29.06	0.01
1/31/21 5:30	7.131	71.96	18.31	7.04	29.06	0.01
1/31/21 5:45	8.4	99	12.89	7.419	29.06	0
1/31/21 6:00	13.07	110.2	11.47	8.25	29.01	0
1/31/21 6:15	12.72	110.7	10.25	8.77	29.01	0
1/31/21 6:30	9.65	117.1	12.5	8.68	29.01	0
1/31/21 6:45	10.06	117.1	19.2	8.56	29.01	0
1/31/21 7:00	14.03	115.9	11.51	9.17	29.01	0
1/31/21 7:15	13.74	117.2	9.89	9.19	29.01	0
1/31/21 7:30	13.56	117.3	8.29	9.18	29.01	0
1/31/21 7:45	12.93	118.9	9.08	9.41	29.01	0
1/31/21 8:00	13.53	114.7	9.59	9.58	29.02	0
1/31/21 8:15	12.98	114.5	10.32	9.63	29.02	0
1/31/21 8:30	11.9	116.3	12.67	9.8	29.02	0
1/31/21 8:45	9.86	136.7	26.53	9.65	29.02	0
1/31/21 9:00	11.86	121.7	11.21	9.94	29.02	0
1/31/21 9:15	11.85	130.9	10.76	10.09	29.02	0
1/31/21 9:30	11.13	135.4	14.14	10	29.02	0
1/31/21 9:45	10.81	130.9	12.83	10.07	29.02	0
1/31/21 10:00	9.59	125.3	19.04	10.12	29.05	0
1/31/21 10:15	9.78	109.3	12.62	10.24	29.05	0
1/31/21 10:30	5.117	140	28	10.18	29.05	0
1/31/21 10:45	6.788	142.5	31.94	10.09	29.05	0
1/31/21 11:00	5.089	231.1	26.44	9.48	29.07	0
1/31/21 11:15	8.15	254.5	11.48	9.27	29.07	0
1/31/21 11:30	8.56	279.7	16.01	8.63	29.07	0
1/31/21 11:45	7.918	289	6.824	8.32	29.07	0
1/31/21 12:00	6.552	288.5	10.99	8.26	29.08	0
1/31/21 12:15	8.08	283.5	10.75	8.14	29.08	0
1/31/21 12:30	8.83	279.2	6.494	7.895	29.08	0
1/31/21 12:45	8.86	282.7	9.55	7.745	29.08	0
1/31/21 13:00	10.18	275.8	9.46	7.462	29.08	0
1/31/21 13:15	9.89	261.8	8.01	7.005	29.08	0
1/31/21 13:30	6.904	273.4	9.44	6.761	29.08	0
1/31/21 13:45	3.502	274.7	15.52	6.741	29.08	0
1/31/21 14:00	2.447	303	29.3	6.774	29.05	0
1/31/21 14:15	1.653	13.75	47.61	6.745	29.05	0
1/31/21 14:30	2.015	329.8	24.09	6.7	29.05	0
1/31/21 14:45	1.304	276.1	27.69	6.727	29.05	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/31/21 15:00	3.509	288.4	25.87	6.742	29.07	0
1/31/21 15:15	2.678	312.4	39.18	6.635	29.07	0
1/31/21 15:30	2.81	342.8	26.01	6.583	29.07	0
1/31/21 15:45	5.298	284.5	10.42	6.573	29.07	0
1/31/21 16:00	4.402	272.9	14.98	6.565	29.08	0
1/31/21 16:15	4.538	295.7	11.98	6.442	29.08	0
1/31/21 16:30	5.009	271.4	13.8	6.346	29.08	0
1/31/21 16:45	4.414	268.2	13.61	6.206	29.08	0
1/31/21 17:00	5.084	251	13.92	6.007	29.06	0
1/31/21 17:15	5.903	224.7	13.86	5.841	29.06	0
1/31/21 17:30	5.085	211.2	4.9	5.851	29.06	0
1/31/21 17:45	5.119	223.4	5.603	5.852	29.06	0
1/31/21 18:00	4.704	226	6.134	5.845	29.1	0
1/31/21 18:15	3.176	238.2	14.88	5.784	29.1	0
1/31/21 18:30	2.755	220.7	22.74	5.715	29.1	0
1/31/21 18:45	0.663	120.9	41.91	5.694	29.1	0
1/31/21 19:00	0.971	87.8	37.44	5.677	29.08	0
1/31/21 19:15	1.311	163.9	30.08	5.626	29.08	0
1/31/21 19:30	1.405	218	39.42	5.598	29.08	0
1/31/21 19:45	3.644	233	18.1	5.635	29.08	0
1/31/21 20:00	2.73	239	22.17	5.594	29.09	0
1/31/21 20:15	0.735	101.6	41.41	5.528	29.09	0
1/31/21 20:30	1.805	63.87	9.06	5.502	29.09	0
1/31/21 20:45	1.342	80.8	8.35	5.447	29.09	0
1/31/21 21:00	0.899	188.7	42.69	5.546	29.06	0
1/31/21 21:15	2.483	37.53	25.65	5.464	29.06	0
1/31/21 21:30	2.956	298	50.69	5.414	29.06	0
1/31/21 21:45	6.253	291.3	42.04	5.406	29.06	0.01
1/31/21 22:00	4.883	336.9	11.37	5.344	29.08	0
1/31/21 22:15	3.341	301.5	33.64	5.363	29.08	0
1/31/21 22:30	1.626	357.5	74.42	5.411	29.08	0
1/31/21 22:45	4.71	0.656	16.25	5.382	29.08	0.01
1/31/21 23:00	5.703	16.33	14.93	5.45	29.04	0
1/31/21 23:15	8.11	23.8	11.99	5.448	29.04	0
1/31/21 23:30	7.921	22.76	10.72	5.517	29.04	0
1/31/21 23:45	4.264	14.03	11.83	5.552	29.04	0.01
2/1/21 0:00	3.092	5.829	15.88	5.43	29.06	0.01
2/1/21 0:15	7.064	17.45	12.41	5.398	29.06	0
2/1/21 0:30	6.531	20.77	6.611	5.425	29.06	0
2/1/21 0:45	6.322	31.04	12.91	5.423	29.06	0.01
2/1/21 1:00	5.481	30.37	12.22	5.419	29.02	0
2/1/21 1:15	2.363	34.53	16.83	5.46	29.02	0
2/1/21 1:30	2.693	111.3	23.79	5.973	29.02	0.01
2/1/21 1:45	3.544	127.3	14.11	6.134	29.02	0.02
2/1/21 2:00	4.194	124.1	10.24	6.667	29.02	0.01
2/1/21 2:15	4.932	126.1	10.92	6.659	29.02	0.02
2/1/21 2:30	7.327	108.1	12.71	7.21	29.02	0.02
2/1/21 2:45	7.138	109	12.36	7.213	29.02	0.01
2/1/21 3:00	8.99	107.1	12.26	7.638	29.01	0
2/1/21 3:15	8.62	111.9	11.42	7.915	29.01	0.02
2/1/21 3:30	8.24	109.5	14.05	8.09	29.01	0.01
2/1/21 3:45	7.754	130.9	9.77	8.48	29.01	0.01
2/1/21 4:00	6.19	118.2	12.46	8.2	29	0.02
2/1/21 4:15	7.36	105.9	12.5	8.24	29	0.01
2/1/21 4:30	10.88	106.2	11.5	8.44	29	0.01
2/1/21 4:45	7.23	106	13.32	8.39	29	0.01
2/1/21 5:00	3.11	96.5	21.5	8.16	28.97	0.02
2/1/21 5:15	5.89	140.3	21.72	8.03	28.97	0
2/1/21 5:30	9.92	105.8	13.48	8.45	28.97	0.01
2/1/21 5:45	8.97	112.9	17.2	8.5	28.97	0
2/1/21 6:00	10.11	127.2	12.06	8.73	28.95	0
2/1/21 6:15	9.93	106.7	16.57	8.7	28.95	0.01
2/1/21 6:30	6.235	96.7	15.68	8.16	28.95	0
2/1/21 6:45	7.711	132.5	16.96	8.58	28.95	0
2/1/21 7:00	8.29	117.1	12.29	8.73	28.95	0
2/1/21 7:15	5.959	114.5	17.77	8.48	28.95	0.01
2/1/21 7:30	5.998	103.9	21.57	8.53	28.95	0
2/1/21 7:45	6.48	102.8	15.99	8.59	28.95	0.01
2/1/21 8:00	6.375	104.7	11.96	8.65	28.95	0
2/1/21 8:15	5.12	117.5	17.42	8.59	28.95	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/1/21 8:30	3.781	74.19	34.31	8.7	28.95	0
2/1/21 8:45	1.985	355.6	30.96	8.15	28.95	0
2/1/21 9:00	1.761	88.2	54.8	8.15	28.94	0.01
2/1/21 9:15	2.621	13.23	33.19	8.1	28.94	0.01
2/1/21 9:30	2.105	111.6	96.5	7.796	28.94	0.01
2/1/21 9:45	2.377	136.7	27.36	7.912	28.94	0.01
2/1/21 10:00	3.035	113.9	23.57	7.849	28.93	0.02
2/1/21 10:15	1.241	163.2	46.42	7.937	28.93	0.01
2/1/21 10:30	2.004	94	18.81	8.45	28.93	0.01
2/1/21 10:45	2.331	74.3	12.47	8.17	28.93	0
2/1/21 11:00	2.806	92.7	9.21	8.2	28.93	0
2/1/21 11:15	2.458	83.4	11.13	8.46	28.93	0.01
2/1/21 11:30	2.636	94	14.77	8.54	28.93	0.02
2/1/21 11:45	2.552	56.2	18.79	8.6	28.93	0.01
2/1/21 12:00	1.667	45.23	15.14	8.59	28.91	0
2/1/21 12:15	0.813	35.59	4.058	8.65	28.91	0.01
2/1/21 12:30	1.288	58.88	11.97	8.73	28.91	0.01
2/1/21 12:45	2.346	58.64	12.7	8.73	28.91	0.01
2/1/21 13:00	1.598	40	5.052	8.75	28.9	0
2/1/21 13:15	1.528	75.35	43.86	8.78	28.9	0.01
2/1/21 13:30	2.467	165.8	14.97	8.75	28.9	0.02
2/1/21 13:45	2.405	92.4	50.21	8.53	28.9	0.02
2/1/21 14:00	3.284	61.32	13.48	8.4	28.89	0.01
2/1/21 14:15	3.605	70.61	8.48	8.33	28.89	0.01
2/1/21 14:30	4.932	81	11.43	8.37	28.89	0.01
2/1/21 14:45	3.419	94.4	20.18	8.56	28.89	0
2/1/21 15:00	3.295	118.6	16.66	8.62	28.91	0.02
2/1/21 15:15	4.363	124.9	13.73	8.76	28.91	0.02
2/1/21 15:30	2.732	117.3	32.52	8.62	28.91	0
2/1/21 15:45	5.298	130.6	17.99	8.81	28.91	0.01
2/1/21 16:00	3.78	95.5	10.82	8.33	28.88	0.01
2/1/21 16:15	2.613	114.8	18.69	8.56	28.88	0
2/1/21 16:30	1.471	77.99	23.25	8.65	28.88	0.01
2/1/21 16:45	1.665	35.24	28.05	8.14	28.88	0.01
2/1/21 17:00	3.864	52.85	17.76	8.03	28.87	0.02
2/1/21 17:15	3.968	34.46	12.78	7.886	28.87	0.01
2/1/21 17:30	3.251	53.83	14.94	7.571	28.87	0.01
2/1/21 17:45	2.623	26.58	7.233	7.609	28.87	0.01
2/1/21 18:00	1.521	42.98	10.54	7.492	28.86	0.02
2/1/21 18:15	1.709	24.79	62.23	7.523	28.86	0.02
2/1/21 18:30	3.555	263.4	47.4	7.5	28.86	0.03
2/1/21 18:45	1.912	296.5	66.48	7.446	28.86	0.03
2/1/21 19:00	1.696	8.03	39.36	7.291	28.85	0.02
2/1/21 19:15	3.293	20.11	20.75	7.299	28.85	0.01
2/1/21 19:30	2.958	96.1	32.56	7.244	28.85	0.02
2/1/21 19:45	2.662	80.6	9.67	7.278	28.85	0.01
2/1/21 20:00	3.83	84.6	7.549	7.389	28.83	0
2/1/21 20:15	3.172	94.6	10.68	7.414	28.83	0.01
2/1/21 20:30	3.806	112.4	14.96	7.789	28.83	0.01
2/1/21 20:45	3.886	142.4	14.7	7.927	28.83	0.01
2/1/21 21:00	4.6	144.8	14.07	8.14	28.85	0
2/1/21 21:15	4.957	143.8	16.11	7.719	28.85	0.01
2/1/21 21:30	3.875	107.6	18.87	7.529	28.85	0.01
2/1/21 21:45	3.708	140.5	11.99	7.725	28.85	0
2/1/21 22:00	7.383	141	13.79	7.728	28.87	0.01
2/1/21 22:15	8.28	158.5	7.607	7.945	28.87	0
2/1/21 22:30	8.76	171.8	9.69	7.911	28.87	0.01
2/1/21 22:45	9.65	184.2	7.506	7.721	28.87	0.02
2/1/21 23:00	8.02	176.1	11.98	7.481	28.9	0.02
2/1/21 23:15	11.39	172.7	11.54	7.613	28.9	0.02
2/1/21 23:30	11.01	179.3	10.54	7.444	28.9	0.02
2/1/21 23:45	11.25	193.2	11.8	7.318	28.9	0.01
2/2/21 0:00	19.35	202.7	9.74	7.248	28.91	0.05
2/2/21 0:15	13.97	199.7	9.47	6.92	28.91	0.03
2/2/21 0:30	14.6	204.7	7.273	6.664	28.91	0
2/2/21 0:45	9.98	195.8	8.48	6.448	28.91	0.01
2/2/21 1:00	9.35	196.6	12.13	6.319	28.96	0
2/2/21 1:15	12.34	215.7	7.538	6.114	28.96	0
2/2/21 1:30	12.95	206.2	8.32	5.818	28.96	0.01
2/2/21 1:45	10.39	199.3	7.202	5.679	28.96	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/2/21 2:00	10.17	212.1	12.9	5.638	28.98	0
2/2/21 2:15	13.13	192.7	14.78	5.663	28.98	0
2/2/21 2:30	11.09	186.8	12.12	5.518	28.98	0
2/2/21 2:45	9.94	184.3	9.51	5.37	28.98	0
2/2/21 3:00	7.541	166.3	11.62	5.238	29.02	0
2/2/21 3:15	6.895	158.5	12.75	5.171	29.02	0
2/2/21 3:30	6.245	153.9	10.68	4.957	29.02	0
2/2/21 3:45	4.62	118.1	12.28	4.801	29.02	0
2/2/21 4:00	4.955	118.3	8.44	4.742	29	0
2/2/21 4:15	5.47	122.8	6.676	4.685	29	0
2/2/21 4:30	6.535	130.4	8.33	4.798	29	0
2/2/21 4:45	5.961	129	6.293	4.776	29	0
2/2/21 5:00	5.913	126.9	9.37	4.805	29.01	0.01
2/2/21 5:15	5.482	123.1	9.52	4.796	29.01	0
2/2/21 5:30	6.462	134.5	6.759	4.757	29.01	0
2/2/21 5:45	5.369	124.8	7.17	4.79	29.01	0.01
2/2/21 6:00	4.04	116.5	7.831	4.709	29.01	0
2/2/21 6:15	4.822	128.2	7.659	4.699	29.01	0
2/2/21 6:30	4.408	119.1	8.75	4.816	29.01	0
2/2/21 6:45	4.22	90.6	11.59	4.735	29.01	0
2/2/21 7:00	4.469	94.2	15	4.579	28.98	0
2/2/21 7:15	5.112	111.2	10.13	4.667	28.98	0.01
2/2/21 7:30	2.609	74.91	12.31	4.667	28.98	0
2/2/21 7:45	3.363	101.4	23.27	4.74	28.98	0.01
2/2/21 8:00	3.829	138.4	8.81	4.613	28.98	0.02
2/2/21 8:15	3.993	198.9	65.27	4.696	28.98	0.02
2/2/21 8:30	7.531	229.1	7.768	4.553	28.98	0.01
2/2/21 8:45	9.49	223.6	13.21	4.153	28.98	0.02
2/2/21 9:00	8.25	187.4	14.03	4.052	29.03	0.01
2/2/21 9:15	5.386	168	14.78	4.077	29.03	0
2/2/21 9:30	4.002	130.6	22.03	4.199	29.03	0
2/2/21 9:45	5.749	117.5	8.16	4.184	29.03	0
2/2/21 10:00	6.838	119.5	7.373	4.317	29.03	0.01
2/2/21 10:15	8.09	139.8	8.12	4.435	29.03	0
2/2/21 10:30	9.04	134.1	8.79	4.711	29.03	0
2/2/21 10:45	9.77	141.3	13.87	5.439	29.03	0
2/2/21 11:00	11.93	163.7	12.45	5.483	29.02	0
2/2/21 11:15	8.89	204.7	27.31	5.149	29.02	0.06
2/2/21 11:30	12.66	198.6	17.3	4.963	29.02	0.04
2/2/21 11:45	12.24	184.6	11.53	5.348	29.02	0
2/2/21 12:00	13.22	197.1	14.07	5.332	29.03	0.01
2/2/21 12:15	8.48	188.9	10.47	5.287	29.03	0
2/2/21 12:30	14.06	208.4	8.55	4.849	29.03	0.04
2/2/21 12:45	9.83	198.7	12.35	5.211	29.03	0
2/2/21 13:00	10.1	183.9	12.09	5.697	29.01	0.01
2/2/21 13:15	12.36	181.7	12.27	5.85	29.01	0
2/2/21 13:30	12.47	188.7	14.13	5.385	29.01	0.02
2/2/21 13:45	14.08	179.9	11.72	5.256	29.01	0
2/2/21 14:00	13.37	171.2	11.11	5.461	29	0
2/2/21 14:15	11.19	170.4	9.3	5.484	29	0
2/2/21 14:30	11.99	179.6	13.36	5.414	29	0.01
2/2/21 14:45	12.4	196.2	14.49	5.513	29	0
2/2/21 15:00	10.74	176.8	8.55	5.738	29.02	0
2/2/21 15:15	10.2	173.3	11.56	5.721	29.02	0
2/2/21 15:30	14.2	171.5	10.83	5.633	29.02	0
2/2/21 15:45	14.15	151.8	10.7	5.39	29.02	0
2/2/21 16:00	14.67	140.9	7.99	5.016	29	0
2/2/21 16:15	16.39	172.8	22.19	4.892	29	0.03
2/2/21 16:30	11.13	194	11.09	4.669	29	0.01
2/2/21 16:45	7.467	163.6	14.38	4.499	29	0.01
2/2/21 17:00	8.13	139.3	9.02	4.249	29.01	0
2/2/21 17:15	10.14	143.3	6.347	4.369	29.01	0
2/2/21 17:30	8.62	137.4	7.6	4.254	29.01	0
2/2/21 17:45	6.657	125.9	7.491	4.195	29.01	0
2/2/21 18:00	6.508	124.6	8.23	4.337	29.01	0
2/2/21 18:15	5.828	117.2	9.1	4.467	29.01	0
2/2/21 18:30	6.897	117.6	8.32	4.609	29.01	0
2/2/21 18:45	10.37	133.1	13.25	4.759	29.01	0
2/2/21 19:00	13.15	171.5	12.14	4.283	29.01	0.01
2/2/21 19:15	7.754	153.7	19.94	3.778	29.01	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/2/21 19:30	6.063	128.2	7.12	3.662	29.01	0.01
2/2/21 19:45	7.15	116.2	9.4	3.753	29.01	0
2/2/21 20:00	9.12	105.4	9.75	3.724	28.99	0
2/2/21 20:15	10.75	116.9	9.91	3.772	28.99	0
2/2/21 20:30	10.07	145.1	22.22	3.857	28.99	0
2/2/21 20:45	7.46	144.1	16.07	3.796	28.99	0.01
2/2/21 21:00	5.596	127.7	8.51	3.629	28.99	0.01
2/2/21 21:15	9.24	131.9	9.97	3.6	28.99	0.01
2/2/21 21:30	6.984	106.6	10.23	3.419	28.99	0
2/2/21 21:45	8.08	111	8.73	3.309	28.99	0
2/2/21 22:00	7.993	113	10.96	3.433	28.98	0
2/2/21 22:15	8.28	119.7	9.16	3.699	28.98	0
2/2/21 22:30	7.247	122.5	10.65	3.828	28.98	0
2/2/21 22:45	6.526	111.1	11.4	3.656	28.98	0
2/2/21 23:00	8.4	123.5	10.45	3.861	28.96	0
2/2/21 23:15	6.439	109.6	12.66	4.093	28.96	0
2/2/21 23:30	5.562	173	22.21	3.744	28.96	0
2/2/21 23:45	5.858	161.9	21.3	3.836	28.96	0
2/3/21 0:00	6.317	154.2	14.16	3.998	28.95	0
2/3/21 0:15	3.405	138.5	15.05	4.092	28.95	0
2/3/21 0:30	5.597	166.3	17.19	4.064	28.95	0.01
2/3/21 0:45	3.654	122.6	22.82	3.756	28.95	0
2/3/21 1:00	4.092	65.46	15.29	3.276	28.95	0.01
2/3/21 1:15	5.339	36.93	11.41	3.041	28.95	0
2/3/21 1:30	4.22	27.63	14.13	2.995	28.95	0
2/3/21 1:45	5.799	63.78	18.99	3.852	28.95	0
2/3/21 2:00	7.993	20.17	12.73	3.246	28.95	0.01
2/3/21 2:15	7.452	17.82	10.65	3.122	28.95	0
2/3/21 2:30	4.038	42.34	13.38	3.095	28.95	0
2/3/21 2:45	4.955	46.04	13.21	3.534	28.95	0
2/3/21 3:00	5.677	24.83	12.09	3.213	28.97	0
2/3/21 3:15	7.047	30.65	18.31	3.756	28.97	0
2/3/21 3:30	4.516	6.126	17.42	3.554	28.97	0
2/3/21 3:45	1.46	21.17	16.52	3.58	28.97	0
2/3/21 4:00	4.5	36.16	18.27	3.659	28.99	0
2/3/21 4:15	4.144	41.68	10.55	3.207	28.99	0
2/3/21 4:30	4.112	23.17	7.708	3.077	28.99	0
2/3/21 4:45	4.665	9.65	8.77	3.12	28.99	0
2/3/21 5:00	4.33	6.341	16.53	3.275	29.03	0
2/3/21 5:15	5.311	6.253	7.953	3.077	29.03	0
2/3/21 5:30	5.282	19.09	7.516	2.94	29.03	0
2/3/21 5:45	6.029	16.49	8.67	2.965	29.03	0
2/3/21 6:00	1.365	356.9	17.64	2.974	29.09	0.01
2/3/21 6:15	0.916	298.4	14.23	3.084	29.09	0
2/3/21 6:30	3.032	26.26	48.74	3.497	29.09	0
2/3/21 6:45	4.365	29.38	25.81	3.189	29.09	0.01
2/3/21 7:00	6.094	14.75	11.83	2.988	29.15	0
2/3/21 7:15	3.117	351	16.29	2.981	29.15	0
2/3/21 7:30	2.904	7.11	9.75	2.956	29.15	0
2/3/21 7:45	3.393	3.297	11.05	2.925	29.15	0
2/3/21 8:00	3.212	29.37	10.4	2.865	29.18	0
2/3/21 8:15	3.41	37.11	12.84	2.83	29.18	0
2/3/21 8:30	1.2	357.6	23.7	2.868	29.18	0
2/3/21 8:45	3.092	16.57	8.76	2.934	29.18	0
2/3/21 9:00	3.56	320.7	20.38	3.056	29.23	0
2/3/21 9:15	1.791	344.6	38.32	3.192	29.23	0
2/3/21 9:30	3.674	19.54	18.14	3.27	29.23	0
2/3/21 9:45	6.743	10.36	10.71	3.507	29.23	0
2/3/21 10:00	6.74	13.55	11.8	3.778	29.27	0
2/3/21 10:15	4.979	20.47	14.13	3.623	29.27	0
2/3/21 10:30	7.093	17.45	10.24	4.084	29.27	0
2/3/21 10:45	6.746	357.9	15.28	4.41	29.27	0
2/3/21 11:00	5.306	11.26	14.63	4.453	29.3	0
2/3/21 11:15	4.661	9.66	13.61	4.429	29.3	0
2/3/21 11:30	5.242	13.08	14.84	4.517	29.3	0
2/3/21 11:45	4.663	4.037	20.34	4.66	29.3	0
2/3/21 12:00	4.783	20.1	12.06	4.571	29.31	0
2/3/21 12:15	5.314	11.79	11.78	4.759	29.31	0
2/3/21 12:30	4.415	31.18	15.72	4.995	29.31	0
2/3/21 12:45	2.638	356.2	17.17	4.979	29.31	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/3/21 13:00	3.137	45.69	25.28	5.175	29.36	0
2/3/21 13:15	4.061	47.25	17.46	5.323	29.36	0
2/3/21 13:30	3.284	56.32	15.03	5.812	29.36	0
2/3/21 13:45	3.079	50.54	11.99	5.911	29.36	0
2/3/21 14:00	2.604	55.26	9.58	6.029	29.38	0
2/3/21 14:15	1.335	348.5	29.08	6.264	29.38	0
2/3/21 14:30	1.245	4.377	46.85	6.264	29.38	0
2/3/21 14:45	1.699	148.6	44.76	6.67	29.38	0
2/3/21 15:00	3.719	197.7	24.32	6.848	29.41	0
2/3/21 15:15	4.81	202.5	15.46	6.894	29.41	0
2/3/21 15:30	5.676	213.7	18.09	6.582	29.41	0
2/3/21 15:45	4.353	188	14.86	6.531	29.41	0
2/3/21 16:00	4.575	185.7	9.84	6.509	29.44	0
2/3/21 16:15	4.933	187.2	14.06	6.632	29.44	0
2/3/21 16:30	5.319	216.2	10.17	6.6	29.44	0
2/3/21 16:45	4.597	228	8.23	6.39	29.44	0
2/3/21 17:00	3.442	211.1	8.9	6.11	29.44	0
2/3/21 17:15	2.941	168.6	12.73	5.722	29.44	0
2/3/21 17:30	3.041	170.6	6.824	5.444	29.44	0
2/3/21 17:45	4.17	155.3	11.82	4.974	29.44	0
2/3/21 18:00	2.516	154.3	16.29	4.851	29.47	0
2/3/21 18:15	0.555	91.7	17.6	5.018	29.47	0
2/3/21 18:30	0.723	141.3	15.76	5.116	29.47	0
2/3/21 18:45	0.95	90	23.69	5.238	29.47	0
2/3/21 19:00	1.419	92.1	12.84	5.131	29.48	0
2/3/21 19:15	1.285	116.4	17.66	5.022	29.48	0
2/3/21 19:30	2.64	156.6	9.73	4.969	29.48	0
2/3/21 19:45	3.372	169.8	8.72	4.856	29.48	0
2/3/21 20:00	3.704	168.9	11.52	4.805	29.47	0
2/3/21 20:15	2.906	165.7	13.58	4.696	29.47	0
2/3/21 20:30	3.249	166.1	10.53	4.371	29.47	0
2/3/21 20:45	3.336	160.5	9.94	4.153	29.47	0
2/3/21 21:00	2.346	145	15	4.097	29.52	0
2/3/21 21:15	1.585	88.3	9.83	3.91	29.52	0
2/3/21 21:30	2.33	138.4	12.59	4.009	29.52	0
2/3/21 21:45	1.916	157.9	10.04	3.997	29.52	0
2/3/21 22:00	3.577	160.7	6.171	4.014	29.53	0.01
2/3/21 22:15	3.569	158.7	7.867	3.967	29.53	0
2/3/21 22:30	2.891	145.8	10.17	3.918	29.53	0
2/3/21 22:45	3.276	145.9	10.54	3.941	29.53	0
2/3/21 23:00	3.445	146.7	10.35	3.951	29.54	0
2/3/21 23:15	3.569	153.4	10.81	3.906	29.54	0
2/3/21 23:30	3.618	142.9	11.07	3.96	29.54	0
2/3/21 23:45	4.794	139.3	9.37	3.994	29.54	0
2/4/21 0:00	6.133	152.6	6.478	3.96	29.54	0
2/4/21 0:15	5.787	152.8	7.767	3.983	29.54	0
2/4/21 0:30	5.552	144	7.037	3.977	29.54	0
2/4/21 0:45	5.81	145.3	6.95	3.983	29.54	0
2/4/21 1:00	5.833	148.3	6.954	3.986	29.53	0
2/4/21 1:15	4.899	145.6	8.44	3.982	29.53	0.01
2/4/21 1:30	5.109	131.7	7.294	3.998	29.53	0
2/4/21 1:45	5.482	134.6	7.803	3.995	29.53	0
2/4/21 2:00	5.585	129.3	6.999	4.013	29.54	0
2/4/21 2:15	5.578	128.1	8.15	3.989	29.54	0
2/4/21 2:30	5.528	125.9	8.55	4.029	29.54	0
2/4/21 2:45	5.359	120.8	8.18	4.014	29.54	0
2/4/21 3:00	5.777	122.5	8.26	4.071	29.55	0
2/4/21 3:15	6.55	123.9	7.4	4.205	29.55	0
2/4/21 3:30	6.446	133.3	11.08	4.277	29.55	0
2/4/21 3:45	5.196	141.8	11.28	4.259	29.55	0
2/4/21 4:00	6.007	138.3	9.01	4.324	29.55	0
2/4/21 4:15	6.342	142.5	7.717	4.405	29.55	0
2/4/21 4:30	5.621	138.7	8.6	4.451	29.55	0
2/4/21 4:45	5.03	132.8	10.07	4.444	29.55	0
2/4/21 5:00	3.324	137.3	11.53	4.339	29.56	0
2/4/21 5:15	3.344	135.4	9.59	4.312	29.56	0
2/4/21 5:30	4.586	142.7	9.94	4.366	29.56	0
2/4/21 5:45	3.807	152.9	14.06	4.433	29.56	0
2/4/21 6:00	3.973	161.8	11.07	4.403	29.54	0
2/4/21 6:15	4.889	169.8	10.28	4.528	29.54	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/4/21 6:30	2.566	145.1	26.34	4.407	29.54	0
2/4/21 6:45	1.809	111.4	20.65	4.207	29.54	0
2/4/21 7:00	3.193	131.4	15.61	4.188	29.53	0
2/4/21 7:15	2.675	131.6	12.43	4.179	29.53	0
2/4/21 7:30	2.424	108	15.86	4.082	29.53	0
2/4/21 7:45	3.389	136	14.66	4.084	29.53	0.01
2/4/21 8:00	4.928	145.9	8.49	4.11	29.55	0
2/4/21 8:15	5.606	155.6	9.73	4.181	29.55	0
2/4/21 8:30	8.62	171.4	7.181	4.334	29.55	0.01
2/4/21 8:45	9.3	175.1	8.12	4.357	29.55	0.01
2/4/21 9:00	8.67	174.6	8.33	4.43	29.56	0.01
2/4/21 9:15	7.7	179.2	7.813	4.47	29.56	0.01
2/4/21 9:30	9.56	183.9	9.51	4.565	29.56	0
2/4/21 9:45	9.13	181.6	9.27	4.634	29.56	0
2/4/21 10:00	8.23	171.6	12.58	4.624	29.57	0.01
2/4/21 10:15	7.436	186.8	9.65	4.6	29.57	0
2/4/21 10:30	8.85	171.3	9.15	4.594	29.57	0
2/4/21 10:45	9.51	173.5	11.07	4.649	29.57	0.01
2/4/21 11:00	8.6	181	11	4.702	29.56	0
2/4/21 11:15	7.283	172.9	8.9	4.699	29.56	0.01
2/4/21 11:30	8.52	166.7	7.69	4.746	29.56	0.01
2/4/21 11:45	7.602	155.3	11.65	4.829	29.56	0
2/4/21 12:00	7.7	150.3	11.23	4.763	29.57	0
2/4/21 12:15	6.967	151.6	12.53	4.776	29.57	0
2/4/21 12:30	7.864	159.1	16.54	4.887	29.57	0.01
2/4/21 12:45	6.954	140.2	7.905	4.877	29.57	0
2/4/21 13:00	7.47	138.4	7.867	4.844	29.56	0
2/4/21 13:15	7.166	139.4	8.83	4.838	29.56	0.01
2/4/21 13:30	6.869	136	8.16	4.807	29.56	0
2/4/21 13:45	6.49	132.8	9.46	4.855	29.56	0
2/4/21 14:00	6.757	135.4	8.14	4.923	29.52	0
2/4/21 14:15	7.398	136	7.809	4.999	29.52	0.01
2/4/21 14:30	8.95	143.6	7.015	5.103	29.52	0.01
2/4/21 14:45	10.21	147	7.905	5.188	29.52	0.01
2/4/21 15:00	10.76	152.1	7.568	5.218	29.51	0.01
2/4/21 15:15	9.48	144	8.83	5.168	29.51	0
2/4/21 15:30	9.86	142.4	9.11	5.147	29.51	0.01
2/4/21 15:45	10.88	138.3	8.02	5.141	29.51	0
2/4/21 16:00	11.1	141.8	8.5	5.165	29.48	0.01
2/4/21 16:15	10.03	146.5	8.34	5.202	29.48	0
2/4/21 16:30	9.46	139.9	9.03	5.221	29.48	0.01
2/4/21 16:45	10.53	144	7.32	5.274	29.48	0
2/4/21 17:00	10.58	145.8	8.34	5.389	29.45	0
2/4/21 17:15	9.85	149	9.89	5.58	29.45	0
2/4/21 17:30	10.88	161.5	8.92	5.912	29.45	0
2/4/21 17:45	12.84	163.6	9.11	6.085	29.45	0
2/4/21 18:00	14.15	164.3	8	6.202	29.45	0
2/4/21 18:15	11.67	167.4	9.82	6.141	29.45	0.01
2/4/21 18:30	11.49	159.6	10.02	6.165	29.45	0
2/4/21 18:45	12.86	165	8.88	6.25	29.45	0
2/4/21 19:00	13.13	163.8	8.77	6.318	29.41	0
2/4/21 19:15	13.01	159.3	9.39	6.43	29.41	0
2/4/21 19:30	12.7	158.9	8.94	6.524	29.41	0
2/4/21 19:45	10.92	156.4	10.62	6.551	29.41	0
2/4/21 20:00	12.72	163	10.82	6.754	29.41	0
2/4/21 20:15	13.12	176.4	10.02	6.916	29.41	0
2/4/21 20:30	9.58	178.7	17.11	6.989	29.41	0
2/4/21 20:45	10.77	172.7	14.65	7.019	29.41	0
2/4/21 21:00	12.56	194.5	13.24	7.082	29.37	0.01
2/4/21 21:15	13.32	188.3	10.19	7.05	29.37	0
2/4/21 21:30	15.94	186.7	8.76	7.029	29.37	0
2/4/21 21:45	15.56	184.3	9.36	6.933	29.37	0.01
2/4/21 22:00	17.36	183.9	8.83	6.85	29.36	0
2/4/21 22:15	16.73	189.5	9.14	6.742	29.36	0.01
2/4/21 22:30	19.55	185.5	10.91	6.674	29.36	0.02
2/4/21 22:45	19.81	182.9	11.39	6.6	29.36	0.01
2/4/21 23:00	21.34	183.5	11.43	6.564	29.33	0
2/4/21 23:15	18.96	187.6	9.27	6.579	29.33	0.01
2/4/21 23:30	16.23	184.6	10.73	6.603	29.33	0
2/4/21 23:45	16.89	187.7	10.11	6.663	29.33	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/5/21 0:00	16.25	192	10.55	6.659	29.29	0
2/5/21 0:15	18.52	199.4	12.69	6.758	29.29	0
2/5/21 0:30	19.23	204.2	9.42	6.592	29.29	0
2/5/21 0:45	15.96	197.3	13.14	6.447	29.29	0
2/5/21 1:00	13.95	196.1	11.62	6.493	29.32	0
2/5/21 1:15	14.41	200	11.75	6.58	29.32	0
2/5/21 1:30	16.87	205.8	16.06	6.625	29.32	0
2/5/21 1:45	16.68	204.6	11.18	6.645	29.32	0
2/5/21 2:00	15.04	202.1	11.72	6.592	29.26	0
2/5/21 2:15	18.07	198.8	9.62	6.535	29.26	0
2/5/21 2:30	21.54	206.3	12.96	6.636	29.26	0
2/5/21 2:45	19.37	211.9	9.66	6.588	29.26	0
2/5/21 3:00	20.47	209.6	10.35	6.504	29.25	0
2/5/21 3:15	18.92	210.4	11.33	6.465	29.25	0
2/5/21 3:30	18.62	210	9.99	6.44	29.25	0
2/5/21 3:45	20.63	211.6	8.83	6.387	29.25	0
2/5/21 4:00	19.92	210.5	8.77	6.356	29.22	0
2/5/21 4:15	18.18	208.5	9.57	6.271	29.22	0
2/5/21 4:30	14.52	209.6	12.73	6.214	29.22	0
2/5/21 4:45	13.97	202	11.73	6.271	29.22	0
2/5/21 5:00	12.19	207.3	11.34	6.305	29.25	0.02
2/5/21 5:15	10.45	207.2	11.71	6.3	29.25	0.02
2/5/21 5:30	7.78	217.7	12.24	6.332	29.25	0
2/5/21 5:45	6.232	242	27.61	6.361	29.25	0.02
2/5/21 6:00	4.231	256.1	54.59	6.352	29.27	0.01
2/5/21 6:15	5.105	110.7	83.6	6.218	29.27	0.02
2/5/21 6:30	5.739	262.6	32.41	6.591	29.27	0.02
2/5/21 6:45	2.953	284.5	19.67	6.591	29.27	0.07
2/5/21 7:00	1.925	13.74	50.16	6.493	29.3	0.03
2/5/21 7:15	1.763	42.42	12.89	6.33	29.3	0.04
2/5/21 7:30	1.119	348.1	27.01	6.417	29.3	0.04
2/5/21 7:45	0.793	66.19	36.49	6.486	29.3	0.02
2/5/21 8:00	0.984	154.2	17.64	6.54	29.35	0.01
2/5/21 8:15	1.573	135.2	26.17	6.529	29.35	0
2/5/21 8:30	3.497	28.49	6.754	6.461	29.35	0.07
2/5/21 8:45	5.725	352.3	29.42	6.724	29.35	0.13
2/5/21 9:00	3.426	13	12.3	6.707	29.37	0.02
2/5/21 9:15	3.987	31.87	10.67	6.717	29.37	0
2/5/21 9:30	3.672	19.72	7.803	6.739	29.37	0
2/5/21 9:45	2.376	32.93	8.59	6.804	29.37	0
2/5/21 10:00	1.236	346.7	19.28	6.963	29.4	0
2/5/21 10:15	3.805	199.5	13.05	7.336	29.4	0.02
2/5/21 10:30	2.225	252.8	24.65	7.469	29.4	0
2/5/21 10:45	1.035	45.97	54.68	7.502	29.4	0.01
2/5/21 11:00	2.077	112	8.56	7.389	29.42	0
2/5/21 11:15	3.264	217	25.72	7.203	29.42	0
2/5/21 11:30	3.351	186.5	8.63	7.346	29.42	0
2/5/21 11:45	1.323	185.9	30.98	7.69	29.42	0
2/5/21 12:00	0.959	157.1	76.6	7.834	29.43	0
2/5/21 12:15	3.259	226	21.54	7.596	29.43	0
2/5/21 12:30	4.585	250.9	19.86	7.294	29.43	0
2/5/21 12:45	4.024	273	6.104	7.204	29.43	0.01
2/5/21 13:00	3.665	282.3	7.128	7.343	29.43	0.01
2/5/21 13:15	2.037	335.2	26.82	7.715	29.43	0
2/5/21 13:30	2.245	48.35	15.42	7.7	29.43	0
2/5/21 13:45	3.24	61.53	11.14	7.786	29.43	0
2/5/21 14:00	3.532	48.43	7.929	7.783	29.42	0
2/5/21 14:15	1.87	42.76	6.969	7.791	29.42	0
2/5/21 14:30	1.27	62.12	13.03	7.855	29.42	0
2/5/21 14:45	2.262	90.7	16.29	7.837	29.42	0
2/5/21 15:00	3.542	181.8	40.99	7.79	29.42	0
2/5/21 15:15	4.403	185.4	7.882	7.69	29.42	0
2/5/21 15:30	3.04	189	8.29	7.747	29.42	0.01
2/5/21 15:45	2.96	215.7	19.18	7.86	29.42	0
2/5/21 16:00	2.971	257.4	13.43	7.937	29.44	0
2/5/21 16:15	2.406	236.5	17.35	7.906	29.44	0
2/5/21 16:30	1.224	219.3	66.32	7.696	29.44	0
2/5/21 16:45	0.819	217.4	55.64	7.711	29.44	0
2/5/21 17:00	2.436	187.8	23.29	7.638	29.46	0
2/5/21 17:15	3.348	190.7	7.755	7.528	29.46	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/5/21 17:30	5.452	181	6.647	7.458	29.46	0
2/5/21 17:45	6.472	180.5	7.613	7.285	29.46	0
2/5/21 18:00	7.388	174	6.447	6.962	29.44	0
2/5/21 18:15	8.8	182.8	12.24	6.773	29.44	0
2/5/21 18:30	7.011	200.5	7.932	6.766	29.44	0
2/5/21 18:45	4.273	178.8	14.3	6.73	29.44	0
2/5/21 19:00	4.341	180.7	12.82	6.764	29.42	0
2/5/21 19:15	2.816	154.2	13.69	6.609	29.42	0
2/5/21 19:30	4.254	168	21	6.576	29.42	0
2/5/21 19:45	6.438	165.3	11.86	6.635	29.42	0
2/5/21 20:00	11.11	198.5	8.96	6.644	29.44	0
2/5/21 20:15	8.09	194.7	7.716	6.546	29.44	0
2/5/21 20:30	11.87	189.9	9.35	6.297	29.44	0
2/5/21 20:45	9.64	189.4	8.6	5.983	29.44	0
2/5/21 21:00	8.81	187	8.23	5.869	29.42	0
2/5/21 21:15	9.3	189.9	7.535	5.637	29.42	0.01
2/5/21 21:30	9.06	181.7	7.03	5.509	29.42	0
2/5/21 21:45	8.72	181.3	6.862	5.38	29.42	0
2/5/21 22:00	9.75	183.2	8.07	5.294	29.44	0
2/5/21 22:15	8.79	177.4	8.79	5.256	29.44	0.01
2/5/21 22:30	8.59	166.8	9.47	5.228	29.44	0
2/5/21 22:45	9.45	164.8	11.81	5.191	29.44	0
2/5/21 23:00	9.04	148.5	7.553	5.044	29.42	0
2/5/21 23:15	9.27	153.5	8.61	4.983	29.42	0
2/5/21 23:30	9.29	148.9	7.027	4.925	29.42	0
2/5/21 23:45	8.42	145.2	8.54	4.894	29.42	0
2/6/21 0:00	7.948	144.2	7.073	4.855	29.43	0
2/6/21 0:15	8.92	145.9	7.797	4.855	29.43	0
2/6/21 0:30	8.25	145.9	8.2	4.824	29.43	0
2/6/21 0:45	8.19	149.3	7.913	4.897	29.43	0
2/6/21 1:00	7.905	147.2	10.42	4.971	29.4	0.01
2/6/21 1:15	8.17	160.6	9.07	5.092	29.4	0
2/6/21 1:30	9.86	173.5	8.8	5.353	29.4	0
2/6/21 1:45	10.34	171.5	8.7	5.383	29.4	0
2/6/21 2:00	10.35	163.6	9.97	5.366	29.37	0
2/6/21 2:15	9.8	167	8.56	5.365	29.37	0
2/6/21 2:30	12.18	169	8.87	5.472	29.37	0
2/6/21 2:45	11.83	171.8	11.24	5.5	29.37	0
2/6/21 3:00	13.38	181.4	10.25	5.57	29.37	0
2/6/21 3:15	13.42	186.5	10.45	5.588	29.37	0
2/6/21 3:30	13.15	182.1	9.11	5.594	29.37	0
2/6/21 3:45	11.98	180.5	9.31	5.519	29.37	0
2/6/21 4:00	12.9	170.6	9.77	5.526	29.34	0
2/6/21 4:15	13.92	174.7	8.11	5.474	29.34	0
2/6/21 4:30	13.27	175.7	9.58	5.468	29.34	0
2/6/21 4:45	13.32	172.9	8.87	5.452	29.34	0
2/6/21 5:00	14.52	178.4	9.35	5.469	29.32	0
2/6/21 5:15	14.89	183.1	9.89	5.512	29.32	0
2/6/21 5:30	14	177.7	7.111	5.534	29.32	0
2/6/21 5:45	11.56	182.9	8.68	5.465	29.32	0
2/6/21 6:00	13.77	184.5	10.1	5.52	29.3	0
2/6/21 6:15	15.85	182.6	9.27	5.436	29.3	0
2/6/21 6:30	18.59	185.3	10.69	5.357	29.3	0
2/6/21 6:45	15.48	191.1	10.13	5.243	29.3	0
2/6/21 7:00	16.26	186.4	10.97	5.239	29.24	0
2/6/21 7:15	17.88	180.4	9.69	5.125	29.24	0
2/6/21 7:30	18.61	184.3	11.2	5.198	29.24	0
2/6/21 7:45	19.66	187.8	10.46	5.287	29.24	0
2/6/21 8:00	16.6	187.6	9.26	5.24	29.23	0
2/6/21 8:15	18.47	186.9	11.39	5.287	29.23	0
2/6/21 8:30	18.03	189	10.49	5.309	29.23	0
2/6/21 8:45	15.04	188	14.66	5.317	29.23	0
2/6/21 9:00	14.23	187.5	15.13	5.434	29.21	0
2/6/21 9:15	15.27	191.5	14.36	5.51	29.21	0
2/6/21 9:30	17.08	191.2	11.81	5.517	29.21	0
2/6/21 9:45	17.12	186.9	11.51	5.47	29.21	0
2/6/21 10:00	16.94	175.9	11.19	5.361	29.18	0
2/6/21 10:15	14.17	168	10.51	5.288	29.18	0
2/6/21 10:30	14.12	170.3	13.12	5.235	29.18	0
2/6/21 10:45	15.5	174.6	17.37	5.396	29.18	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/6/21 11:00	14.44	178.6	11.7	5.603	29.17	0
2/6/21 11:15	17.67	189.7	12.71	5.791	29.17	0
2/6/21 11:30	16.7	183.7	11.88	6.123	29.17	0
2/6/21 11:45	17.69	192.8	11.6	6.391	29.17	0
2/6/21 12:00	20.7	186.9	12.61	6.509	29.1	0
2/6/21 12:15	20.74	188.7	11.95	6.561	29.1	0
2/6/21 12:30	18.45	193.3	11.76	6.73	29.1	0
2/6/21 12:45	15.71	186.6	12.33	6.789	29.1	0
2/6/21 13:00	16.02	189.8	13.24	6.947	29.11	0
2/6/21 13:15	14.36	203.6	11.97	7.034	29.11	0
2/6/21 13:30	15.87	205.4	13.53	7.198	29.11	0
2/6/21 13:45	14.23	211	13.77	7.438	29.11	0
2/6/21 14:00	20.49	215.8	9.49	7.746	29.12	0
2/6/21 14:15	17.57	221.1	10.17	7.68	29.12	0
2/6/21 14:30	19.15	220.9	10.38	7.922	29.12	0
2/6/21 14:45	18.53	224.6	12.58	8.05	29.12	0
2/6/21 15:00	18.51	229.1	10.51	8.06	29.11	0
2/6/21 15:15	17.73	226.6	8.59	8.08	29.11	0
2/6/21 15:30	16.9	231.6	10.28	8.14	29.11	0
2/6/21 15:45	17.43	234.1	9.95	8.16	29.11	0
2/6/21 16:00	14.26	226.5	10.47	8.05	29.12	0
2/6/21 16:15	16.69	227.6	10.91	7.896	29.12	0
2/6/21 16:30	16.5	227	10.92	7.8	29.12	0
2/6/21 16:45	14.36	230.9	10.34	7.689	29.12	0
2/6/21 17:00	18.36	228.1	9.76	7.625	29.14	0
2/6/21 17:15	15.71	223.9	9.5	7.531	29.14	0
2/6/21 17:30	14.88	225.4	9.66	7.369	29.14	0
2/6/21 17:45	17.63	218.9	9.86	7.29	29.14	0
2/6/21 18:00	14.03	224.7	9.09	7.201	29.17	0
2/6/21 18:15	14.28	217.9	9.29	7.113	29.17	0
2/6/21 18:30	15.5	218.5	8.04	7.009	29.17	0
2/6/21 18:45	15.64	212.7	8.48	6.913	29.17	0
2/6/21 19:00	15.76	218.1	9.2	6.776	29.17	0
2/6/21 19:15	14.65	218.2	8.59	6.68	29.17	0
2/6/21 19:30	13.39	215.5	9.2	6.577	29.17	0
2/6/21 19:45	14.33	212.2	9.14	6.5	29.17	0
2/6/21 20:00	13.5	211.4	9.14	6.435	29.15	0
2/6/21 20:15	13.02	211.5	8.4	6.365	29.15	0
2/6/21 20:30	13.63	210.4	9.69	6.26	29.15	0
2/6/21 20:45	15.71	211.2	8.41	6.1	29.15	0
2/6/21 21:00	14.16	215.3	9.47	5.974	29.19	0
2/6/21 21:15	14.01	214.4	10.33	5.94	29.19	0
2/6/21 21:30	15.32	214.6	9.92	5.871	29.19	0
2/6/21 21:45	14.43	210.9	9.66	5.831	29.19	0
2/6/21 22:00	13.09	195.4	8.6	5.688	29.18	0
2/6/21 22:15	12.55	197.9	7.564	5.556	29.18	0
2/6/21 22:30	13.77	198.9	9.09	5.506	29.18	0
2/6/21 22:45	12.4	196.7	8.52	5.466	29.18	0
2/6/21 23:00	12.81	192.7	10.79	5.433	29.2	0
2/6/21 23:15	13.25	195.1	10.33	5.414	29.2	0
2/6/21 23:30	11.44	196.9	9.62	5.371	29.2	0
2/6/21 23:45	13.3	200.2	9.02	5.346	29.2	0
2/7/21 0:00	15.56	201.1	8.87	5.262	29.18	0
2/7/21 0:15	15.7	198.6	9.1	5.197	29.18	0
2/7/21 0:30	14.52	195.4	9.64	5.135	29.18	0
2/7/21 0:45	16.18	193.8	9.09	5.064	29.18	0
2/7/21 1:00	14.65	192.9	8.92	5.026	29.2	0
2/7/21 1:15	12.83	191.2	10.04	4.993	29.2	0
2/7/21 1:30	14.1	190.6	8.92	4.976	29.2	0
2/7/21 1:45	13.21	190	8.34	4.949	29.2	0
2/7/21 2:00	12.93	191.6	9.76	4.935	29.21	0
2/7/21 2:15	13.39	189.1	12.45	4.86	29.21	0
2/7/21 2:30	13.62	194	8.72	4.827	29.21	0
2/7/21 2:45	14.86	191.6	7.675	4.801	29.21	0
2/7/21 3:00	12.48	186.7	10.8	4.718	29.2	0
2/7/21 3:15	13.33	185.2	9.52	4.637	29.2	0
2/7/21 3:30	13.79	185.5	9.34	4.549	29.2	0
2/7/21 3:45	12.5	191.5	8.8	4.416	29.2	0
2/7/21 4:00	13.18	181.5	9.06	4.325	29.22	0
2/7/21 4:15	12.21	186.6	10.86	4.182	29.22	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/7/21 4:30	11.92	180.7	8.59	4.067	29.22	0
2/7/21 4:45	11.01	182.1	9.35	4.018	29.22	0
2/7/21 5:00	11.66	182.8	9.44	3.953	29.22	0
2/7/21 5:15	11.83	180.7	10.9	3.944	29.22	0
2/7/21 5:30	11.8	185.6	9.04	3.929	29.22	0
2/7/21 5:45	9.81	184.5	9.07	3.89	29.22	0
2/7/21 6:00	10.42	182.8	10.58	3.853	29.22	0
2/7/21 6:15	9.44	182.6	9.61	3.836	29.22	0
2/7/21 6:30	9.44	179.5	10.14	3.798	29.22	0
2/7/21 6:45	10.88	184.1	8.89	3.768	29.22	0
2/7/21 7:00	8.69	197	10.43	3.724	29.21	0
2/7/21 7:15	8.38	186.3	10.81	3.647	29.21	0
2/7/21 7:30	11.37	190	10.1	3.571	29.21	0
2/7/21 7:45	12.37	194.3	9.42	3.529	29.21	0
2/7/21 8:00	11.07	193.8	11.87	3.499	29.2	0
2/7/21 8:15	10.43	192.9	9.68	3.484	29.2	0
2/7/21 8:30	10.48	188.4	10.97	3.49	29.2	0
2/7/21 8:45	10.53	182.5	11.21	3.558	29.2	0
2/7/21 9:00	9.47	185	10.82	3.653	29.22	0
2/7/21 9:15	9.47	184.9	12.1	3.707	29.22	0
2/7/21 9:30	10.71	179.1	11.78	3.752	29.22	0
2/7/21 9:45	9.8	184.2	13.19	3.806	29.22	0
2/7/21 10:00	10.81	188.7	13.59	3.862	29.22	0
2/7/21 10:15	10.49	190	11.66	3.958	29.22	0
2/7/21 10:30	8.61	195.8	11.99	4.126	29.22	0
2/7/21 10:45	9.8	187.7	13.88	4.329	29.22	0
2/7/21 11:00	8.61	192.6	12.84	4.583	29.23	0
2/7/21 11:15	8.11	190.8	12.41	4.912	29.23	0
2/7/21 11:30	10.36	198.6	12.07	5.156	29.23	0
2/7/21 11:45	9.3	202.3	12.77	5.275	29.23	0
2/7/21 12:00	10.8	216.6	13.32	5.533	29.18	0
2/7/21 12:15	11.54	202.7	10.09	5.645	29.18	0
2/7/21 12:30	13.72	209.5	8.45	5.802	29.18	0
2/7/21 12:45	16.96	204.3	8.63	5.792	29.18	0
2/7/21 13:00	14.6	214.1	9.05	5.797	29.19	0
2/7/21 13:15	13.5	216.8	7.19	5.81	29.19	0
2/7/21 13:30	12.66	222.4	9.84	6.023	29.19	0
2/7/21 13:45	15.53	216	10.26	6.166	29.19	0
2/7/21 14:00	15.51	217.5	9.96	6.321	29.14	0
2/7/21 14:15	14.71	229.6	14.27	6.253	29.14	0
2/7/21 14:30	15.85	223.6	10.43	6.091	29.14	0
2/7/21 14:45	14.24	215.8	8.74	6.061	29.14	0
2/7/21 15:00	14.88	209	9.94	6.093	29.15	0
2/7/21 15:15	14.83	208.1	9.36	5.921	29.15	0
2/7/21 15:30	16.01	209.5	7.312	5.857	29.15	0
2/7/21 15:45	18.01	203.8	8.44	5.737	29.15	0
2/7/21 16:00	11.9	198.2	11.47	5.227	29.13	0
2/7/21 16:15	10.16	197.3	8.68	5.131	29.13	0
2/7/21 16:30	10.38	213.5	11.97	5.291	29.13	0
2/7/21 16:45	14.03	211	9.36	5.336	29.13	0
2/7/21 17:00	14.55	207.2	8.31	5.276	29.13	0
2/7/21 17:15	16.73	223.6	8.31	5.138	29.13	0
2/7/21 17:30	16.25	223.3	7.828	4.994	29.13	0
2/7/21 17:45	13.49	219.6	8.44	4.894	29.13	0
2/7/21 18:00	16	215.6	7.747	4.759	29.12	0
2/7/21 18:15	12.51	215.3	8.01	4.662	29.12	0
2/7/21 18:30	15.13	205	9.07	4.546	29.12	0
2/7/21 18:45	12.67	204	10.4	4.403	29.12	0
2/7/21 19:00	12.4	202.2	9.6	4.219	29.14	0
2/7/21 19:15	13.88	208.5	10.92	4.067	29.14	0
2/7/21 19:30	11.05	213.2	9.85	3.976	29.14	0
2/7/21 19:45	13.41	211.5	9.21	3.836	29.14	0
2/7/21 20:00	14.26	209.8	8.77	3.643	29.14	0
2/7/21 20:15	12.48	216.5	9.75	3.514	29.14	0
2/7/21 20:30	9.53	209.9	9.02	3.388	29.14	0
2/7/21 20:45	10.42	212.1	8.37	3.353	29.14	0
2/7/21 21:00	11.03	210	7.982	3.195	29.15	0
2/7/21 21:15	7.721	212.9	14.64	3.064	29.15	0
2/7/21 21:30	3.786	251.4	50.79	2.889	29.15	0.01
2/7/21 21:45	1.374	327.1	54.36	2.573	29.15	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/7/21 22:00	3.864	344.3	12.87	2.004	29.17	0.01
2/7/21 22:15	5.532	330.1	15.21	1.176	29.17	0.02
2/7/21 22:30	3.141	247	54.33	1.103	29.17	0.02
2/7/21 22:45	1.548	54.87	36.27	1.095	29.17	0.01
2/7/21 23:00	1.949	42.8	22.59	0.965	29.17	0
2/7/21 23:15	2.131	108.4	20.19	1.045	29.17	0
2/7/21 23:30	2.3	139.5	38.88	1.437	29.17	0
2/7/21 23:45	2.117	82.4	32.13	1.436	29.17	0
2/8/21 0:00	1.943	46.59	21.94	1.31	29.17	0
2/8/21 0:15	2.569	82.5	15.78	1.371	29.17	0
2/8/21 0:30	3.513	84.4	14.09	1.484	29.17	0.01
2/8/21 0:45	2.939	77.89	13.66	1.473	29.17	0
2/8/21 1:00	2.378	86.6	10.49	1.426	29.17	0
2/8/21 1:15	1.717	84.4	10.89	1.424	29.17	0
2/8/21 1:30	1.768	70.64	11.07	1.467	29.17	0
2/8/21 1:45	3.372	133.1	27.81	1.567	29.17	0
2/8/21 2:00	4.195	144	16.65	1.702	29.16	0
2/8/21 2:15	6.003	164.4	8.35	2.011	29.16	0
2/8/21 2:30	5.307	168.2	7.717	2.116	29.16	0
2/8/21 2:45	3.851	176.3	11.49	2.067	29.16	0
2/8/21 3:00	4.106	182.8	13.04	2.096	29.16	0
2/8/21 3:15	4.279	180.4	10.72	2.107	29.16	0
2/8/21 3:30	3.606	202	10.27	2.126	29.16	0
2/8/21 3:45	1.973	185.8	9.04	2.095	29.16	0
2/8/21 4:00	0.812	57.35	59.03	1.893	29.17	0
2/8/21 4:15	3.895	26.72	17.41	1.105	29.17	0
2/8/21 4:30	5.756	18.91	12.84	0.362	29.17	0
2/8/21 4:45	6.441	21.57	10.14	0.135	29.17	0
2/8/21 5:00	4.556	22.82	11.01	0.042	29.19	0
2/8/21 5:15	2.466	356.2	13.62	0.025	29.19	0
2/8/21 5:30	3.125	6.861	7.998	0.072	29.19	0
2/8/21 5:45	3.834	12.53	12.26	0.123	29.19	0
2/8/21 6:00	2.669	17.54	9.84	0.137	29.21	0
2/8/21 6:15	2.339	28.54	11.81	0.144	29.21	0
2/8/21 6:30	2.169	41.2	10.33	0.148	29.21	0
2/8/21 6:45	1.515	50.71	19.36	0.189	29.21	0
2/8/21 7:00	2.333	64.42	13.82	0.239	29.2	0
2/8/21 7:15	0.654	68.78	11.3	0.541	29.2	0
2/8/21 7:30	1.505	117.5	28.64	0.551	29.2	0
2/8/21 7:45	1.627	120.9	14.4	0.709	29.2	0
2/8/21 8:00	2.684	154.7	14.08	0.722	29.21	0
2/8/21 8:15	3.552	165.4	11.24	0.768	29.21	0
2/8/21 8:30	2.349	149.5	13.34	0.818	29.21	0
2/8/21 8:45	0.999	113.3	29.44	1.015	29.21	0
2/8/21 9:00	1.377	139.1	17.78	1.913	29.24	0
2/8/21 9:15	0.862	103.9	15.07	1.498	29.24	0
2/8/21 9:30	0.822	119.6	37.05	1.277	29.24	0
2/8/21 9:45	6.211	180	13.13	1.627	29.24	0
2/8/21 10:00	5.412	188.2	12.2	1.861	29.24	0
2/8/21 10:15	4.206	185.8	13.96	2.047	29.24	0
2/8/21 10:30	4.621	184.8	11.72	2.117	29.24	0
2/8/21 10:45	4.064	189.4	15.79	2.435	29.24	0.01
2/8/21 11:00	7.04	201.8	11.06	2.635	29.25	0
2/8/21 11:15	7.987	193	9.42	2.988	29.25	0.01
2/8/21 11:30	8.51	182.4	11.51	3.473	29.25	0.02
2/8/21 11:45	8.99	185.1	13.15	3.873	29.25	0.02
2/8/21 12:00	8.62	207	26.25	4.019	29.25	0
2/8/21 12:15	7.89	236	16.96	4.321	29.25	0
2/8/21 12:30	8.14	212.8	10.13	3.815	29.25	0
2/8/21 12:45	6.864	228.3	11.33	3.996	29.25	0
2/8/21 13:00	6.97	228.3	9.49	4	29.21	0
2/8/21 13:15	7.141	209.1	15.45	4.799	29.21	0
2/8/21 13:30	9.54	212	14.03	5.234	29.21	0
2/8/21 13:45	8.74	238	15.81	4.555	29.21	0
2/8/21 14:00	7.092	253.8	15.33	4.719	29.23	0
2/8/21 14:15	9.08	235.7	14.86	5.055	29.23	0
2/8/21 14:30	9.35	231.1	14.21	5.149	29.23	0
2/8/21 14:45	12.51	221.8	9.69	4.826	29.23	0
2/8/21 15:00	8.46	213.8	13.23	4.845	29.24	0
2/8/21 15:15	7.889	231.5	14.02	4.727	29.24	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/8/21 15:30	8.63	215.3	15.71	4.999	29.24	0
2/8/21 15:45	9.05	207.8	9.96	4.795	29.24	0
2/8/21 16:00	8.38	222.9	9.11	4.357	29.21	0
2/8/21 16:15	6.479	228.4	8.77	4.23	29.21	0
2/8/21 16:30	3.568	236.2	9	4.306	29.21	0
2/8/21 16:45	3.121	245.4	9.59	4.239	29.21	0
2/8/21 17:00	1.89	275.1	12.98	3.973	29.24	0
2/8/21 17:15	2.246	269.8	13.2	3.775	29.24	0
2/8/21 17:30	2.743	285.2	15.59	3.599	29.24	0
2/8/21 17:45	2.467	3.484	28.27	3.079	29.24	0
2/8/21 18:00	2.331	27.86	7.088	2.532	29.24	0
2/8/21 18:15	1.164	45.04	10.55	2.735	29.24	0
2/8/21 18:30	1.464	40.11	3.424	2.857	29.24	0
2/8/21 18:45	1.443	33.23	3.534	2.883	29.24	0
2/8/21 19:00	0.798	53.03	8.3	2.726	29.24	0
2/8/21 19:15	2.608	97	7.847	2.519	29.24	0
2/8/21 19:30	2.202	98.2	12.51	2.376	29.24	0
2/8/21 19:45	2.245	86.4	17.47	2.253	29.24	0
2/8/21 20:00	2.462	77.54	8.79	2.049	29.25	0
2/8/21 20:15	1.031	56.32	9.79	2.054	29.25	0
2/8/21 20:30	1.45	51.74	4.531	2.063	29.25	0
2/8/21 20:45	1.416	60.34	4.389	2.232	29.25	0
2/8/21 21:00	2.291	55.72	8.8	1.793	29.25	0
2/8/21 21:15	3.118	72.55	11.54	1.486	29.25	0
2/8/21 21:30	3.12	101.8	9.42	1.735	29.25	0
2/8/21 21:45	2.176	61.46	20.99	1.619	29.25	0
2/8/21 22:00	2.17	37.45	5.729	1.42	29.24	0
2/8/21 22:15	1.476	56.19	12.05	1.579	29.24	0
2/8/21 22:30	1.903	134	21.08	1.966	29.24	0
2/8/21 22:45	3.543	148.5	17.6	1.944	29.24	0
2/8/21 23:00	2.926	114.6	10.24	1.783	29.24	0
2/8/21 23:15	4.809	97.4	7.279	1.588	29.24	0
2/8/21 23:30	3.702	125.3	14.65	1.248	29.24	0
2/8/21 23:45	3.908	144.2	8.75	1.263	29.24	0
2/9/21 0:00	3.649	116.1	11.49	1.284	29.25	0
2/9/21 0:15	2.235	121.4	10.4	1.273	29.25	0
2/9/21 0:30	2.53	123.4	9.38	1.317	29.25	0
2/9/21 0:45	1.819	107.3	10.11	1.313	29.25	0
2/9/21 1:00	1.919	55.61	11.75	0.986	29.27	0
2/9/21 1:15	3.085	39.25	15.06	0.89	29.27	0
2/9/21 1:30	3.237	25.75	8.54	0.862	29.27	0
2/9/21 1:45	3.135	21.78	9.23	0.866	29.27	0
2/9/21 2:00	3.347	24.23	7.318	0.918	29.27	0
2/9/21 2:15	3.5	18.43	8.91	0.905	29.27	0
2/9/21 2:30	3.53	18.41	8.45	0.954	29.27	0
2/9/21 2:45	3.104	20.15	6.592	0.911	29.27	0
2/9/21 3:00	2.908	10.15	8.57	0.946	29.26	0
2/9/21 3:15	2.235	20.69	5.975	1.023	29.26	0
2/9/21 3:30	1.957	27.81	16.28	1.097	29.26	0
2/9/21 3:45	2.56	17.72	7.995	1.047	29.26	0
2/9/21 4:00	3.411	28.32	9.19	0.839	29.25	0
2/9/21 4:15	3.79	34.36	10.01	0.64	29.25	0
2/9/21 4:30	4.049	34.8	10.21	0.575	29.25	0
2/9/21 4:45	3.131	35.02	9.26	0.577	29.25	0
2/9/21 5:00	3.633	42.22	10.19	0.595	29.27	0
2/9/21 5:15	3.27	44.41	8.01	0.599	29.27	0
2/9/21 5:30	3.09	16.06	11.95	0.602	29.27	0
2/9/21 5:45	3.191	11.06	7.99	0.558	29.27	0
2/9/21 6:00	1.914	23.32	9.64	0.634	29.28	0
2/9/21 6:15	2.258	28.62	7.439	0.579	29.28	0
2/9/21 6:30	1.975	13.84	5.742	0.559	29.28	0
2/9/21 6:45	1.816	358.8	18.9	0.528	29.28	0
2/9/21 7:00	1.842	26.33	3.28	0.404	29.26	0
2/9/21 7:15	1.771	18.08	9.33	0.308	29.26	0
2/9/21 7:30	2.164	15.85	4.675	0.411	29.26	0
2/9/21 7:45	2.208	10.19	8.16	0.286	29.26	0
2/9/21 8:00	2.633	22.07	7.217	0.164	29.28	0
2/9/21 8:15	2.529	18.83	8.76	0.157	29.28	0
2/9/21 8:30	2.531	27.18	9.72	0.209	29.28	0
2/9/21 8:45	2.267	11.58	9.14	0.317	29.28	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/9/21 9:00	1.969	14.66	10.16	0.418	29.31	0
2/9/21 9:15	1.242	325.4	13.95	0.516	29.31	0
2/9/21 9:30	1.113	349.3	26.63	0.622	29.31	0
2/9/21 9:45	1.903	17.98	13.13	0.712	29.31	0
2/9/21 10:00	1.084	0.977	13.45	0.831	29.33	0
2/9/21 10:15	1.446	25.65	12.11	1.107	29.33	0
2/9/21 10:30	2.403	17.27	17.83	1.15	29.33	0
2/9/21 10:45	2.678	351.4	15.87	1.328	29.33	0
2/9/21 11:00	2.331	259.2	22.46	1.718	29.33	0
2/9/21 11:15	2.554	261.2	26.53	2.411	29.33	0
2/9/21 11:30	4.22	257.6	17.32	2.463	29.33	0
2/9/21 11:45	2.891	264.6	26.8	2.844	29.33	0
2/9/21 12:00	2.764	276.1	19.2	2.706	29.34	0
2/9/21 12:15	1.831	273.9	15.56	3.223	29.34	0
2/9/21 12:30	2.421	284.3	9.63	2.494	29.34	0
2/9/21 12:45	1.996	306.9	16.28	3.309	29.34	0
2/9/21 13:00	2.459	280.5	41.83	3.659	29.3	0
2/9/21 13:15	4.595	267.2	12.89	3.129	29.3	0
2/9/21 13:30	3.716	269.7	7.663	3.319	29.3	0
2/9/21 13:45	3.562	264.7	14.5	3.419	29.3	0
2/9/21 14:00	4.12	275.7	14.83	3.281	29.32	0
2/9/21 14:15	2.234	1.141	58.08	3.409	29.32	0
2/9/21 14:30	3.33	51.9	9.39	3.698	29.32	0
2/9/21 14:45	4.796	22.91	24.67	4.236	29.32	0
2/9/21 15:00	4.857	3.928	20.59	4.427	29.29	0
2/9/21 15:15	4.996	35.06	11.92	4.046	29.29	0
2/9/21 15:30	5.003	31.44	17.88	3.851	29.29	0
2/9/21 15:45	6.04	28.28	13.18	3.685	29.29	0
2/9/21 16:00	5.412	35.3	12.46	3.79	29.31	0
2/9/21 16:15	7.194	26.26	6.67	3.521	29.31	0
2/9/21 16:30	6.539	20.16	8.38	3.131	29.31	0
2/9/21 16:45	5.936	11.88	14.45	2.94	29.31	0
2/9/21 17:00	5.449	353.2	17.17	2.998	29.31	0
2/9/21 17:15	5.256	354.3	17.51	2.646	29.31	0
2/9/21 17:30	3.995	347.3	11.97	2.511	29.31	0
2/9/21 17:45	4.468	354	17.9	2.357	29.31	0
2/9/21 18:00	3.945	27.18	15.67	1.722	29.32	0
2/9/21 18:15	4.637	32.09	5.272	1.003	29.32	0
2/9/21 18:30	5.604	32.74	5.542	0.851	29.32	0
2/9/21 18:45	5.734	35.74	4.889	0.893	29.32	0
2/9/21 19:00	6.445	33.25	7.066	0.892	29.31	0
2/9/21 19:15	6.581	36.73	7.344	0.132	29.31	0
2/9/21 19:30	5.809	32.64	7.784	-0.304	29.31	0
2/9/21 19:45	5.792	28.57	8.99	-0.074	29.31	0
2/9/21 20:00	7.059	22.71	9.41	0.166	29.34	0
2/9/21 20:15	7.12	29.36	12.93	0.04	29.34	0
2/9/21 20:30	8.86	27.64	9.71	0.224	29.34	0
2/9/21 20:45	7.394	22.8	9.98	0.162	29.34	0
2/9/21 21:00	5.365	37.36	7.823	-0.421	29.32	0
2/9/21 21:15	6.56	37.75	7.08	-0.435	29.32	0
2/9/21 21:30	6.654	35.04	6.351	-0.412	29.32	0
2/9/21 21:45	7.191	38.83	7.398	-0.478	29.32	0
2/9/21 22:00	6.947	35.18	6.705	-0.339	29.33	0
2/9/21 22:15	5.2	46.73	8.27	-0.674	29.33	0
2/9/21 22:30	4.442	54.94	9.4	-0.772	29.33	0
2/9/21 22:45	4.228	52.38	9.45	-0.695	29.33	0
2/9/21 23:00	3.041	49.33	7.983	-0.703	29.32	0
2/9/21 23:15	1.688	84.3	25.06	-0.66	29.32	0
2/9/21 23:30	1.311	94.4	11.71	-0.29	29.32	0
2/9/21 23:45	0.215	103.4	0.048	-0.347	29.32	0
2/10/21 0:00	0.243	84	23.92	-0.384	29.34	0
2/10/21 0:15	0.83	8.93	0.46	-1.378	29.34	0
2/10/21 0:30	0.072	45.34	2.702	-1.403	29.34	0
2/10/21 0:45	0.942	52.97	0.576	-1.169	29.34	0
2/10/21 1:00	0.705	57.02	4.475	-0.939	29.32	0
2/10/21 1:15	2.05	162.5	22.03	-1.365	29.32	0
2/10/21 1:30	2.195	171.8	2.324	-0.965	29.32	0
2/10/21 1:45	2.035	153.6	14.41	-0.826	29.32	0
2/10/21 2:00	2.117	127.8	10.79	-1.334	29.32	0
2/10/21 2:15	2.664	141	11.22	-1.096	29.32	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/10/21 2:30	1.759	158.9	7.1	-0.88	29.32	0
2/10/21 2:45	0.062	156.3	0.012	-1.758	29.32	0
2/10/21 3:00	1.709	266.1	21.74	-1.715	29.31	0
2/10/21 3:15	3.491	204.4	14.28	-1.806	29.31	0
2/10/21 3:30	3.377	185.8	7.531	-2.091	29.31	0
2/10/21 3:45	3.451	190.7	6.349	-2.104	29.31	0
2/10/21 4:00	3.956	192.9	6.513	-2.139	29.33	0
2/10/21 4:15	3.786	180.7	11.58	-2.101	29.33	0
2/10/21 4:30	3	154.3	15.87	-1.741	29.33	0
2/10/21 4:45	2.153	152.8	14.17	-1.964	29.33	0
2/10/21 5:00	2.713	142.2	7.05	-1.949	29.33	0
2/10/21 5:15	3.077	168.4	8.15	-1.752	29.33	0
2/10/21 5:30	2.944	143.2	13.82	-1.737	29.33	0
2/10/21 5:45	3.351	103.6	8.4	-1.993	29.33	0
2/10/21 6:00	3.388	124.4	12.49	-1.93	29.32	0
2/10/21 6:15	4.614	171.2	17.47	-1.636	29.32	0
2/10/21 6:30	5.391	185.7	12.26	-1.669	29.32	0
2/10/21 6:45	2.523	142.7	29.43	-1.745	29.32	0
2/10/21 7:00	1.401	62.04	6.364	-1.968	29.35	0
2/10/21 7:15	1.219	63.7	5.582	-1.692	29.35	0
2/10/21 7:30	1.565	89	19.54	-1.315	29.35	0
2/10/21 7:45	1.923	121.3	5.072	-0.853	29.35	0
2/10/21 8:00	2.033	112.5	6.792	-0.758	29.33	0
2/10/21 8:15	0.717	122.4	26.34	-0.802	29.33	0
2/10/21 8:30	1.483	161.2	20.84	-1.003	29.33	0
2/10/21 8:45	1.19	168.1	18.95	-0.982	29.33	0
2/10/21 9:00	2.232	163.6	24.41	-0.601	29.36	0
2/10/21 9:15	2.29	128.9	7.877	-0.504	29.36	0
2/10/21 9:30	2.545	148.5	12.14	-0.236	29.36	0
2/10/21 9:45	3.382	150.7	9.54	0.095	29.36	0
2/10/21 10:00	1.665	132.8	12.94	0.425	29.34	0
2/10/21 10:15	1.693	158.1	29.26	0.642	29.34	0
2/10/21 10:30	1.96	225.5	8.79	0.525	29.34	0
2/10/21 10:45	2.333	239.3	8.65	0.816	29.34	0
2/10/21 11:00	2.436	201.1	18.11	0.889	29.35	0
2/10/21 11:15	2.185	202.7	15.47	0.73	29.35	0
2/10/21 11:30	2.679	210.3	10.44	0.816	29.35	0
2/10/21 11:45	2.602	201.7	7.023	0.867	29.35	0
2/10/21 12:00	1.659	148.8	24.59	0.876	29.37	0
2/10/21 12:15	3.76	132.2	14.51	1.594	29.37	0
2/10/21 12:30	3.619	120.9	16.71	2.182	29.37	0
2/10/21 12:45	3.962	142.8	16.78	1.873	29.37	0
2/10/21 13:00	4.273	137.5	16.72	2.605	29.35	0
2/10/21 13:15	5.381	135.2	23.18	3.08	29.35	0
2/10/21 13:30	5.299	128.7	11.23	3.526	29.35	0
2/10/21 13:45	4.934	140.1	22.22	3.76	29.35	0
2/10/21 14:00	3.903	126.9	49.86	3.827	29.33	0
2/10/21 14:15	3.25	175.6	19.94	3.207	29.33	0
2/10/21 14:30	3.374	132.7	11.97	3.15	29.33	0
2/10/21 14:45	2.831	169.6	24.56	3.476	29.33	0
2/10/21 15:00	4.4	176.1	18.77	4.003	29.34	0
2/10/21 15:15	4.718	190.1	14.9	4.2	29.34	0
2/10/21 15:30	5.317	205.8	19.3	4.319	29.34	0
2/10/21 15:45	4.191	209	30.42	3.8	29.34	0
2/10/21 16:00	4.278	174.4	19.32	4.11	29.32	0
2/10/21 16:15	5.365	164.2	14.99	3.862	29.32	0
2/10/21 16:30	6.234	194.9	17.11	3.902	29.32	0
2/10/21 16:45	5.628	203.4	12.27	4.159	29.32	0
2/10/21 17:00	5.389	223.6	11.49	4.204	29.32	0
2/10/21 17:15	4.125	234	25	3.993	29.32	0
2/10/21 17:30	4.062	200.5	11.73	3.673	29.32	0
2/10/21 17:45	4.5	218.7	7.363	3.425	29.32	0
2/10/21 18:00	5.008	224.8	5.437	3.336	29.35	0
2/10/21 18:15	3.717	218	6.103	3.181	29.35	0
2/10/21 18:30	1.846	156.4	36.63	2.88	29.35	0
2/10/21 18:45	1.545	110.3	15.22	2.614	29.35	0
2/10/21 19:00	0.897	115.4	9.81	2.547	29.34	0
2/10/21 19:15	1.271	105.1	25.6	2.412	29.34	0
2/10/21 19:30	2.955	130.8	12.02	1.952	29.34	0
2/10/21 19:45	3.683	142.7	7.271	1.588	29.34	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/10/21 20:00	3.789	130.1	7.857	1.619	29.32	0
2/10/21 20:15	3.712	148.1	8.35	1.41	29.32	0
2/10/21 20:30	3.984	129.2	7.75	1.412	29.32	0
2/10/21 20:45	4.533	133	7.337	1.326	29.32	0
2/10/21 21:00	3.94	140.7	11.27	1.252	29.31	0
2/10/21 21:15	4.572	152.4	7.776	0.967	29.31	0
2/10/21 21:30	4.853	150.8	6.872	0.823	29.31	0
2/10/21 21:45	4.267	151.9	8.43	0.631	29.31	0
2/10/21 22:00	4.765	157	8.34	0.609	29.34	0
2/10/21 22:15	5.253	159.1	8.19	0.408	29.34	0
2/10/21 22:30	4.803	141.2	10.95	0.243	29.34	0
2/10/21 22:45	5.626	129.1	8.07	0.226	29.34	0
2/10/21 23:00	4.747	151.6	9.11	0.305	29.32	0
2/10/21 23:15	4.779	151.5	6.972	0.385	29.32	0
2/10/21 23:30	5.065	139.3	8.54	0.543	29.32	0
2/10/21 23:45	5.046	144.6	8.17	0.608	29.32	0
2/11/21 0:00	4.973	143	7.929	0.662	29.33	0
2/11/21 0:15	4.612	143.1	8.04	0.661	29.33	0
2/11/21 0:30	4.351	138.9	8.15	0.751	29.33	0
2/11/21 0:45	4.705	149.1	8.39	0.683	29.33	0
2/11/21 1:00	4.761	147.1	7.667	0.607	29.34	0
2/11/21 1:15	2.011	48.87	40.77	0.013	29.34	0
2/11/21 1:30	3.475	46.06	7.869	-0.592	29.34	0
2/11/21 1:45	4.821	36.24	12.83	-0.759	29.34	0
2/11/21 2:00	5.054	30.97	6.702	-0.699	29.31	0
2/11/21 2:15	5.653	45.1	7.782	-0.473	29.31	0
2/11/21 2:30	5.24	40.77	9.71	-0.618	29.31	0
2/11/21 2:45	5.26	32.45	10.17	-0.486	29.31	0
2/11/21 3:00	3.083	33.55	9.4	-0.386	29.32	0
2/11/21 3:15	2.684	116.7	38.18	-0.579	29.32	0
2/11/21 3:30	4.977	53.83	15.94	-0.619	29.32	0
2/11/21 3:45	3.713	56.45	7.919	-0.721	29.32	0
2/11/21 4:00	2.118	137.9	59.37	-0.278	29.3	0
2/11/21 4:15	2.923	203.8	20.46	-0.109	29.3	0
2/11/21 4:30	2.113	75.91	39.59	-0.1	29.3	0
2/11/21 4:45	2.132	58.53	17.61	-0.243	29.3	0
2/11/21 5:00	3.556	122.4	16.86	-0.182	29.28	0
2/11/21 5:15	4.573	113.1	21.54	-0.195	29.28	0
2/11/21 5:30	5.115	76.77	15.38	-0.428	29.28	0
2/11/21 5:45	6.527	46.34	6.986	-0.932	29.28	0
2/11/21 6:00	6.716	30.18	8.18	-1.056	29.28	0
2/11/21 6:15	6.314	26.7	8.38	-0.849	29.28	0
2/11/21 6:30	5.131	40.66	11.96	-0.834	29.28	0
2/11/21 6:45	6.433	27.46	9.51	-0.812	29.28	0
2/11/21 7:00	3.461	33.28	21.25	-0.948	29.23	0
2/11/21 7:15	2.373	319.2	68.15	-0.911	29.23	0
2/11/21 7:30	4.957	271.3	8.99	-0.591	29.23	0
2/11/21 7:45	2.738	314.6	36.44	-0.669	29.23	0
2/11/21 8:00	2.117	337.2	21.47	-0.854	29.25	0
2/11/21 8:15	2.435	317.4	20.09	-0.649	29.25	0
2/11/21 8:30	4.83	283.7	5.593	-0.701	29.25	0
2/11/21 8:45	3.8	307.3	14.66	-0.616	29.25	0
2/11/21 9:00	3.256	322.2	13.53	-0.436	29.24	0
2/11/21 9:15	2.372	348.7	33.06	0.107	29.24	0
2/11/21 9:30	2.421	17.87	25.42	0.402	29.24	0
2/11/21 9:45	1.871	31.33	32.52	0.493	29.24	0
2/11/21 10:00	3.381	353.1	21.35	0.313	29.22	0
2/11/21 10:15	3.151	5.489	11.73	0.428	29.22	0
2/11/21 10:30	2.751	15.69	18.14	0.743	29.22	0
2/11/21 10:45	2.62	33.4	16.15	0.985	29.22	0
2/11/21 11:00	1.772	48.68	33.31	1.193	29.22	0
2/11/21 11:15	4.194	116	22.75	1.737	29.22	0
2/11/21 11:30	7.549	109.2	18.76	1.623	29.22	0
2/11/21 11:45	9.9	118.5	11.84	1.532	29.22	0
2/11/21 12:00	8.02	121.9	13.26	1.817	29.22	0
2/11/21 12:15	7.778	122.7	14.79	1.65	29.22	0
2/11/21 12:30	6.676	124.2	19.58	1.598	29.22	0
2/11/21 12:45	6.3	108.8	17.18	1.577	29.22	0
2/11/21 13:00	6.543	103.6	19.76	1.429	29.21	0
2/11/21 13:15	5.694	101.5	16.12	1.322	29.21	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/11/21 13:30	5.924	82.8	24.63	1.006	29.21	0
2/11/21 13:45	6.986	70.62	18.93	0.791	29.21	0
2/11/21 14:00	10.94	66.06	17.32	0.266	29.19	0
2/11/21 14:15	7.36	78.95	20.86	0.277	29.19	0
2/11/21 14:30	8.31	65.08	15.77	0.079	29.19	0
2/11/21 14:45	9.1	59.66	17.38	-0.11	29.19	0
2/11/21 15:00	8.27	73.51	17.68	-0.213	29.18	0
2/11/21 15:15	6.704	69.16	19.94	-0.33	29.18	0
2/11/21 15:30	7.357	74.14	24.81	-0.598	29.18	0
2/11/21 15:45	4.754	96.5	18.29	-0.738	29.18	0
2/11/21 16:00	5.305	127.5	10.32	-1.188	29.18	0
2/11/21 16:15	4.118	114.5	13.14	-1.554	29.18	0
2/11/21 16:30	3.987	49.56	28.57	-1.608	29.18	0
2/11/21 16:45	2.584	29.25	20.17	-1.567	29.18	0
2/11/21 17:00	2.716	64.44	33.66	-1.416	29.18	0
2/11/21 17:15	2.812	95.2	23.27	-1.271	29.18	0
2/11/21 17:30	3.034	107.3	25.66	-1.222	29.18	0
2/11/21 17:45	3.07	99.4	20.47	-1.128	29.18	0
2/11/21 18:00	1.729	109.6	16.75	-1.106	29.14	0
2/11/21 18:15	3.471	103.8	18.39	-1.028	29.14	0
2/11/21 18:30	3.729	67.14	23.11	-1.065	29.14	0
2/11/21 18:45	8.39	73.04	18.12	-1.371	29.14	0
2/11/21 19:00	8.78	86.5	16.77	-1.601	29.17	0
2/11/21 19:15	8.25	90	14.72	-1.773	29.17	0
2/11/21 19:30	6.133	99.4	17.33	-1.87	29.17	0
2/11/21 19:45	4.902	102.1	15.43	-1.977	29.17	0
2/11/21 20:00	2.463	107.4	21.05	-2.013	29.15	0
2/11/21 20:15	4.262	114.7	16.76	-1.993	29.15	0
2/11/21 20:30	5.275	123.1	19.86	-2.032	29.15	0
2/11/21 20:45	5.662	113.8	19.96	-2.021	29.15	0
2/11/21 21:00	6.822	111.6	14.62	-1.978	29.17	0
2/11/21 21:15	7.955	110.4	18.85	-1.92	29.17	0
2/11/21 21:30	6.601	114.8	16.29	-1.896	29.17	0
2/11/21 21:45	3.27	96.5	20.77	-1.854	29.17	0
2/11/21 22:00	4.321	93.5	26.8	-1.802	29.16	0
2/11/21 22:15	3.982	91.7	21.96	-1.727	29.16	0
2/11/21 22:30	3.59	52.9	19.01	-1.71	29.16	0
2/11/21 22:45	3.104	72	20.55	-1.72	29.16	0
2/11/21 23:00	3.679	60.92	21.38	-1.696	29.18	0
2/11/21 23:15	3.76	73.33	21.96	-1.648	29.18	0
2/11/21 23:30	5.088	80.9	18.89	-1.635	29.18	0
2/11/21 23:45	3.46	74.48	17.69	-1.691	29.18	0
2/12/21 0:00	3.253	99.2	25	-1.706	29.18	0
2/12/21 0:15	3.364	90.4	21.34	-1.734	29.18	0
2/12/21 0:30	4.162	99	19.57	-1.779	29.18	0
2/12/21 0:45	7.159	112.1	16.25	-1.868	29.18	0
2/12/21 1:00	3.865	92.8	23.78	-1.949	29.18	0
2/12/21 1:15	3.682	157.4	26.48	-2.028	29.18	0
2/12/21 1:30	4.014	121.9	20.68	-2.136	29.18	0
2/12/21 1:45	3.766	98.8	30.9	-2.225	29.18	0
2/12/21 2:00	2.05	118.9	30.36	-2.23	29.19	0
2/12/21 2:15	0.974	193.5	6.576	-2.184	29.19	0
2/12/21 2:30	2.194	108.4	13.51	-2.226	29.19	0
2/12/21 2:45	2.036	101.3	22.22	-2.263	29.19	0
2/12/21 3:00	1.981	82.7	11.13	-2.276	29.2	0
2/12/21 3:15	4.913	107.6	22.05	-2.256	29.2	0
2/12/21 3:30	5.956	111.1	18.82	-2.313	29.2	0
2/12/21 3:45	7.108	113.4	21.54	-2.396	29.2	0
2/12/21 4:00	6.847	127.1	10.37	-2.532	29.16	0
2/12/21 4:15	5.135	130.7	13.13	-2.577	29.16	0
2/12/21 4:30	6.801	131.1	11.43	-2.619	29.16	0
2/12/21 4:45	5.826	124.2	14.58	-2.656	29.16	0
2/12/21 5:00	5.952	135.9	10.84	-2.747	29.19	0
2/12/21 5:15	4.257	143.6	14.74	-2.786	29.19	0
2/12/21 5:30	3.891	164.8	17.24	-2.74	29.19	0
2/12/21 5:45	3.99	143.6	19.01	-2.696	29.19	0
2/12/21 6:00	4.766	133.8	14	-2.624	29.2	0
2/12/21 6:15	3.574	114.6	12.58	-2.629	29.2	0
2/12/21 6:30	1.941	113.5	34.58	-2.624	29.2	0
2/12/21 6:45	1.312	125	21.06	-2.613	29.2	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/12/21 7:00	4.326	161.9	13.72	-2.693	29.23	0
2/12/21 7:15	4.468	155.8	9.16	-2.799	29.23	0
2/12/21 7:30	5.083	136.3	8.38	-2.816	29.23	0
2/12/21 7:45	5.539	140.5	10.63	-2.872	29.23	0
2/12/21 8:00	6.178	155.2	9.19	-2.947	29.22	0
2/12/21 8:15	5.329	147.2	12.44	-2.959	29.22	0
2/12/21 8:30	4.999	139.4	11.95	-2.872	29.22	0
2/12/21 8:45	6.475	137.1	10.66	-2.848	29.22	0
2/12/21 9:00	8.71	137.2	11.35	-2.798	29.23	0
2/12/21 9:15	9.35	133.8	11.66	-2.822	29.23	0
2/12/21 9:30	7.152	141.3	11.79	-2.75	29.23	0
2/12/21 9:45	8.49	146	9.92	-2.651	29.23	0
2/12/21 10:00	8.8	141.2	10.9	-2.618	29.21	0
2/12/21 10:15	7.823	132.7	11.43	-2.618	29.21	0
2/12/21 10:30	6.016	128.9	15.53	-2.405	29.21	0
2/12/21 10:45	5.544	131	15.89	-2.251	29.21	0
2/12/21 11:00	5.97	136.7	15.65	-2.12	29.23	0
2/12/21 11:15	7.986	135.7	11.3	-1.967	29.23	0
2/12/21 11:30	7.341	135.1	14.97	-1.784	29.23	0
2/12/21 11:45	9.04	144.6	11.99	-1.524	29.23	0
2/12/21 12:00	10.19	145.4	12.89	-1.452	29.21	0
2/12/21 12:15	9.22	133.2	12.26	-1.162	29.21	0
2/12/21 12:30	9.43	132.6	11.17	-1.178	29.21	0
2/12/21 12:45	9.83	142.5	10.72	-1.248	29.21	0
2/12/21 13:00	10.29	139.7	11	-1.452	29.22	0
2/12/21 13:15	9.87	136.7	10.25	-1.624	29.22	0
2/12/21 13:30	9.74	136.2	9.14	-1.745	29.22	0
2/12/21 13:45	8.67	138.4	9.23	-1.783	29.22	0
2/12/21 14:00	8.65	135.8	9.07	-1.811	29.18	0
2/12/21 14:15	8.54	134.9	10.81	-1.706	29.18	0
2/12/21 14:30	9.65	146.7	9.3	-1.777	29.18	0
2/12/21 14:45	9.22	128.2	17.69	-1.725	29.18	0
2/12/21 15:00	12.74	127.9	9.79	-1.868	29.17	0
2/12/21 15:15	10.59	127.3	12.9	-1.975	29.17	0
2/12/21 15:30	10.35	133.7	14.41	-2.001	29.17	0
2/12/21 15:45	8.97	135.6	11.69	-2.2	29.17	0
2/12/21 16:00	10.16	140.3	12.16	-2.335	29.15	0
2/12/21 16:15	10.11	138.7	11.7	-2.449	29.15	0
2/12/21 16:30	11.25	135.4	11	-2.589	29.15	0
2/12/21 16:45	11.56	132.1	11.36	-2.74	29.15	0
2/12/21 17:00	12.28	129	12.22	-2.861	29.12	0
2/12/21 17:15	12.95	128.4	11.58	-3.007	29.12	0
2/12/21 17:30	14.15	130.6	10.52	-3.308	29.12	0
2/12/21 17:45	14.29	130.6	11.73	-3.619	29.12	0
2/12/21 18:00	15.09	128.6	11.11	-3.848	29.08	0
2/12/21 18:15	15.01	131.5	9.34	-3.941	29.08	0
2/12/21 18:30	14.28	135.8	11.25	-3.977	29.08	0
2/12/21 18:45	14.26	132.7	11.91	-3.972	29.08	0
2/12/21 19:00	15.81	129.9	11.26	-4.043	29.07	0
2/12/21 19:15	16.75	132.1	11.47	-4.262	29.07	0
2/12/21 19:30	15.36	128.5	13.27	-4.223	29.07	0
2/12/21 19:45	17.03	128.5	13.14	-4.216	29.07	0
2/12/21 20:00	16.54	125.6	12.69	-4.385	29.03	0
2/12/21 20:15	17.89	129.6	11.01	-4.409	29.03	0
2/12/21 20:30	18.25	130	11.99	-4.258	29.03	0
2/12/21 20:45	15.59	128.8	13.66	-4.359	29.03	0
2/12/21 21:00	15.22	127.8	11.6	-4.395	29.02	0
2/12/21 21:15	17.48	128.1	11.28	-4.5	29.02	0
2/12/21 21:30	16.78	126.6	11.76	-4.771	29.02	0
2/12/21 21:45	16.36	123.2	12.15	-5.011	29.02	0
2/12/21 22:00	15.62	127.1	12.78	-5.147	28.99	0
2/12/21 22:15	15.86	126.7	12.72	-5.197	28.99	0
2/12/21 22:30	17.78	128.9	12.54	-5.174	28.99	0
2/12/21 22:45	17.27	126.3	11.87	-5.22	28.99	0
2/12/21 23:00	17.74	125.5	10.89	-5.308	28.95	0
2/12/21 23:15	18.71	127.8	11.31	-5.314	28.95	0
2/12/21 23:30	18.27	127.5	10.76	-5.265	28.95	0
2/12/21 23:45	18.86	127.4	11.06	-5.157	28.95	0
2/13/21 0:00	17.5	125	11.53	-5.156	28.93	0
2/13/21 0:15	18.21	126.9	11.62	-5.159	28.93	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/13/21 0:30	17.93	130.3	10.66	-5.131	28.93	0
2/13/21 0:45	17.95	130.8	12.24	-5.055	28.93	0
2/13/21 1:00	19.14	126.6	12.02	-5.002	28.89	0
2/13/21 1:15	17.9	127.9	11.25	-5.062	28.89	0
2/13/21 1:30	18.54	128.6	12.44	-4.986	28.89	0
2/13/21 1:45	20.64	127.7	11.28	-4.925	28.89	0
2/13/21 2:00	20.39	125	10.77	-4.962	28.83	0
2/13/21 2:15	18.65	124.8	12.4	-4.918	28.83	0
2/13/21 2:30	18.52	126.5	10.69	-4.833	28.83	0
2/13/21 2:45	19.17	124.5	11.68	-4.734	28.83	0
2/13/21 3:00	19.65	124.7	11.19	-4.774	28.81	0
2/13/21 3:15	19.65	123	12.13	-4.914	28.81	0
2/13/21 3:30	20.31	124.2	12.27	-4.839	28.81	0
2/13/21 3:45	20.53	121.6	11.62	-4.739	28.81	0
2/13/21 4:00	21.43	123.8	11.69	-4.685	28.74	0
2/13/21 4:15	20.26	119.5	13.17	-4.738	28.74	0
2/13/21 4:30	20.22	121.3	11.83	-4.633	28.74	0
2/13/21 4:45	19.99	122.9	11.31	-4.343	28.74	0
2/13/21 5:00	17.8	124.6	12.05	-4.361	28.76	0
2/13/21 5:15	17.93	128.7	11.19	-4.451	28.76	0
2/13/21 5:30	20.71	127.6	10.69	-4.499	28.76	0
2/13/21 5:45	19.86	127.5	11	-4.608	28.76	0
2/13/21 6:00	22.37	126.4	10.33	-4.687	28.82	0
2/13/21 6:15	21.48	116	12.02	-4.725	28.82	0
2/13/21 6:30	22.05	116.7	11.36	-4.786	28.82	0
2/13/21 6:45	22.94	114.6	11.62	-4.85	28.82	0
2/13/21 7:00	21.11	112.8	12.64	-4.867	28.82	0
2/13/21 7:15	21.02	110.8	12.47	-4.8	28.82	0
2/13/21 7:30	18.38	113.6	11.2	-4.783	28.82	0
2/13/21 7:45	17.74	113.3	12.57	-4.737	28.82	0
2/13/21 8:00	20.91	113.6	11.37	-4.616	28.84	0
2/13/21 8:15	22.06	115.1	10.67	-4.647	28.84	0
2/13/21 8:30	21.93	113.6	11.7	-4.658	28.84	0
2/13/21 8:45	22.41	115	11.04	-4.535	28.84	0
2/13/21 9:00	24.23	112.7	12.03	-4.371	28.87	0
2/13/21 9:15	25.06	113	11.72	-4.21	28.87	0
2/13/21 9:30	22.53	112.9	11.8	-4.113	28.87	0
2/13/21 9:45	23.59	114.3	10.82	-4.031	28.87	0
2/13/21 10:00	21.89	108.6	11.49	-3.983	28.89	0
2/13/21 10:15	22.6	106.8	11.83	-3.965	28.89	0
2/13/21 10:30	22.95	108.4	12.33	-3.765	28.89	0
2/13/21 10:45	21.81	110.2	12.91	-3.496	28.89	0
2/13/21 11:00	22.25	109.7	11.35	-3.38	28.91	0
2/13/21 11:15	21.7	113.9	12.1	-3.489	28.91	0
2/13/21 11:30	19.18	117.8	12.36	-3.35	28.91	0
2/13/21 11:45	18.16	116.1	13.03	-3.345	28.91	0
2/13/21 12:00	18.12	115	12.47	-3.147	28.97	0
2/13/21 12:15	18.08	117.2	12.22	-3.032	28.97	0
2/13/21 12:30	17	114.7	12.92	-2.988	28.97	0
2/13/21 12:45	15.48	117.6	11.7	-3.022	28.97	0
2/13/21 13:00	13.85	117	12.6	-3.07	28.99	0
2/13/21 13:15	14.07	117.5	11.93	-3.2	28.99	0
2/13/21 13:30	12.6	118.1	12.19	-3.32	28.99	0
2/13/21 13:45	13.35	116.8	12.36	-3.351	28.99	0
2/13/21 14:00	13.59	119.1	11.02	-3.181	29.03	0
2/13/21 14:15	13.18	120.9	9.88	-2.99	29.03	0
2/13/21 14:30	12.51	117.4	11.49	-2.804	29.03	0
2/13/21 14:45	12.34	117.5	11.31	-2.913	29.03	0
2/13/21 15:00	11.12	121.8	12.89	-3.133	29.05	0
2/13/21 15:15	11.61	121.9	13.5	-3.307	29.05	0
2/13/21 15:30	14.35	116.8	11.59	-3.348	29.05	0
2/13/21 15:45	15.92	114.9	12.61	-3.411	29.05	0
2/13/21 16:00	17.25	114.8	12.99	-3.426	29.08	0
2/13/21 16:15	15.65	116.9	11.23	-3.337	29.08	0
2/13/21 16:30	16.78	115	11.24	-3.464	29.08	0
2/13/21 16:45	16.01	114.9	11.95	-3.465	29.08	0
2/13/21 17:00	15.82	113.8	12.19	-3.355	29.1	0
2/13/21 17:15	12.99	113	12.24	-3.063	29.1	0
2/13/21 17:30	13.91	122.7	10.4	-2.851	29.1	0
2/13/21 17:45	14.9	119.7	11.35	-2.839	29.1	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/13/21 18:00	15.1	116.3	11.72	-2.872	29.1	0
2/13/21 18:15	14.46	116.5	12.26	-2.645	29.1	0
2/13/21 18:30	15.44	118.3	11.99	-2.352	29.1	0
2/13/21 18:45	16.07	118.3	12.44	-2.334	29.1	0
2/13/21 19:00	13.18	118.7	12.24	-2.311	29.14	0
2/13/21 19:15	13.01	122	10.88	-2.221	29.14	0
2/13/21 19:30	15.15	120.4	11.73	-2.166	29.14	0
2/13/21 19:45	14.46	115.5	11.82	-2.293	29.14	0
2/13/21 20:00	13.52	117.3	11.51	-2.423	29.13	0
2/13/21 20:15	12.53	119.1	11.07	-2.363	29.13	0
2/13/21 20:30	13.05	118.8	10.8	-2.19	29.13	0
2/13/21 20:45	14.69	116.7	12.08	-2.097	29.13	0
2/13/21 21:00	15.16	123.3	10.79	-2.117	29.16	0
2/13/21 21:15	15.88	118.8	11.12	-2.134	29.16	0
2/13/21 21:30	14.88	115.7	12.08	-2.198	29.16	0
2/13/21 21:45	14.95	115.6	11.56	-2.16	29.16	0
2/13/21 22:00	13.71	111.7	12.43	-2.111	29.15	0
2/13/21 22:15	13.95	119.8	10.56	-1.92	29.15	0
2/13/21 22:30	13.89	116.3	11.87	-1.923	29.15	0
2/13/21 22:45	10.49	122.9	11.87	-1.805	29.15	0
2/13/21 23:00	8.73	120.6	14.75	-1.835	29.18	0
2/13/21 23:15	7.479	111.9	14.09	-1.86	29.18	0
2/13/21 23:30	8.52	109.8	15.65	-1.857	29.18	0
2/13/21 23:45	7.441	113.5	16.92	-1.834	29.18	0
2/14/21 0:00	8.57	111.4	15.85	-1.804	29.18	0
2/14/21 0:15	7.701	106.4	14.54	-1.751	29.18	0
2/14/21 0:30	6.889	107.9	18.08	-1.652	29.18	0
2/14/21 0:45	8.58	109.1	14.27	-1.585	29.18	0
2/14/21 1:00	8.96	111.8	14.68	-1.452	29.14	0
2/14/21 1:15	7.883	104.7	15.1	-1.529	29.14	0
2/14/21 1:30	5.214	95	22.13	-1.44	29.14	0
2/14/21 1:45	6.187	105.8	16.18	-1.23	29.14	0
2/14/21 2:00	5.563	104.2	17.77	-1.233	29.15	0
2/14/21 2:15	6.331	116.9	16.97	-1.18	29.15	0
2/14/21 2:30	6.558	124.1	16.86	-1.259	29.15	0
2/14/21 2:45	4.62	146.7	19.9	-1.287	29.15	0
2/14/21 3:00	5.301	116.4	18.33	-1.374	29.14	0
2/14/21 3:15	6.728	116.2	16.36	-1.583	29.14	0
2/14/21 3:30	8.11	118.5	11.84	-1.916	29.14	0
2/14/21 3:45	6.624	130	13.88	-2.325	29.14	0
2/14/21 4:00	5.932	112	18.84	-2.54	29.17	0
2/14/21 4:15	5.394	94.7	20.66	-2.38	29.17	0
2/14/21 4:30	6.258	99.7	21.75	-2.138	29.17	0
2/14/21 4:45	7.153	108.6	16.15	-2.008	29.17	0
2/14/21 5:00	8.22	110.8	16.95	-1.899	29.1	0
2/14/21 5:15	6.04	110.9	13.16	-1.798	29.1	0
2/14/21 5:30	6.822	130.7	12.83	-1.76	29.1	0
2/14/21 5:45	9.25	114.6	14.4	-1.627	29.1	0
2/14/21 6:00	9.16	114.8	11.93	-1.513	29.11	0
2/14/21 6:15	10.83	120.6	12.14	-1.457	29.11	0
2/14/21 6:30	12.69	122.6	11.91	-1.569	29.11	0
2/14/21 6:45	12.73	125.6	11.06	-1.789	29.11	0
2/14/21 7:00	12.27	125.9	12.74	-1.717	29.09	0
2/14/21 7:15	9.06	124.2	12.28	-1.746	29.09	0
2/14/21 7:30	6.613	131	14.58	-1.99	29.09	0
2/14/21 7:45	7.115	137.2	12.41	-2.233	29.09	0
2/14/21 8:00	6.63	148.9	14.13	-2.379	29.12	0
2/14/21 8:15	7.309	135.8	16.87	-2.527	29.12	0
2/14/21 8:30	13.34	130.9	11.32	-2.591	29.12	0
2/14/21 8:45	11.67	127.4	11.42	-2.571	29.12	0
2/14/21 9:00	10.92	131	13.22	-2.433	29.09	0
2/14/21 9:15	11.79	135.6	10.93	-2.302	29.09	0
2/14/21 9:30	15.18	133.8	10.86	-2.18	29.09	0
2/14/21 9:45	16.43	133.3	9.81	-2.347	29.09	0
2/14/21 10:00	13.51	131.7	12.38	-2.321	29.09	0
2/14/21 10:15	12.84	134.8	13.45	-1.947	29.09	0
2/14/21 10:30	11.54	135.1	12.89	-1.636	29.09	0
2/14/21 10:45	11.63	134.1	11.51	-1.567	29.09	0
2/14/21 11:00	11.59	128.9	12.01	-1.402	29.07	0
2/14/21 11:15	10.12	127.6	12.12	-1.1	29.07	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/14/21 11:30	11.09	128.6	13.71	-0.994	29.07	0
2/14/21 11:45	12.61	135.2	14.05	-1.04	29.07	0
2/14/21 12:00	11.84	127.1	12.68	-1.129	29.09	0
2/14/21 12:15	7.893	124.7	15.13	-1.056	29.09	0
2/14/21 12:30	6.577	115.7	14.76	-1.012	29.09	0
2/14/21 12:45	5.395	120.3	24.34	-0.819	29.09	0
2/14/21 13:00	6.471	121.1	18.27	-0.864	29.03	0
2/14/21 13:15	8.97	127.7	15.84	-0.975	29.03	0
2/14/21 13:30	11.85	128.2	11.66	-0.826	29.03	0
2/14/21 13:45	10.62	128.3	12.52	-0.446	29.03	0
2/14/21 14:00	6.016	111.2	18.53	-0.214	29.03	0
2/14/21 14:15	5.019	97.8	19.7	0.03	29.03	0
2/14/21 14:30	6.222	120.7	14.35	0.283	29.03	0
2/14/21 14:45	4.97	104.8	22.48	0.519	29.03	0
2/14/21 15:00	9.94	116	16.91	0.657	28.98	0
2/14/21 15:15	13.16	127.6	12.04	0.472	28.98	0
2/14/21 15:30	16.41	129.9	10.95	0.515	28.98	0
2/14/21 15:45	12.61	129.5	12.31	0.707	28.98	0
2/14/21 16:00	6.949	118.8	17.57	0.973	28.96	0
2/14/21 16:15	7.172	120	16.8	0.952	28.96	0
2/14/21 16:30	11.85	132.5	12.27	0.685	28.96	0
2/14/21 16:45	9.08	130.4	13.85	0.493	28.96	0
2/14/21 17:00	12.17	133.8	12.03	0.447	28.95	0
2/14/21 17:15	13.95	129.6	12.5	0.294	28.95	0
2/14/21 17:30	15.43	128.7	11.68	0.335	28.95	0
2/14/21 17:45	15.53	132.1	11.09	0.374	28.95	0
2/14/21 18:00	15.72	134.1	11.91	0.366	28.93	0
2/14/21 18:15	15.65	127.7	12.59	0.278	28.93	0
2/14/21 18:30	15.82	128.2	11.26	0.435	28.93	0
2/14/21 18:45	15.65	127.6	11.07	0.505	28.93	0
2/14/21 19:00	17.17	131.2	11.08	0.22	28.9	0
2/14/21 19:15	16.08	130.6	10.69	-0.218	28.9	0
2/14/21 19:30	15	128.9	10.63	-0.283	28.9	0
2/14/21 19:45	10.81	129	12.05	-0.137	28.9	0
2/14/21 20:00	9.88	130	10.95	0.011	28.89	0
2/14/21 20:15	9.69	133.7	10.75	-0.115	28.89	0
2/14/21 20:30	8.12	131.7	10.42	-0.203	28.89	0
2/14/21 20:45	5.777	130.8	11.55	-0.09	28.89	0
2/14/21 21:00	4.649	134.1	10.44	0.043	28.87	0
2/14/21 21:15	4.35	131.8	10.49	0.276	28.87	0
2/14/21 21:30	3.748	132.5	11.35	0.28	28.87	0.01
2/14/21 21:45	2.867	129.9	11.4	0.396	28.87	0.02
2/14/21 22:00	2.467	134.5	13.2	0.753	28.89	0.02
2/14/21 22:15	2.404	141.9	10.98	0.718	28.89	0.02
2/14/21 22:30	2.434	147.4	12.03	0.676	28.89	0.02
2/14/21 22:45	2.332	141.1	13	0.5	28.89	0.02
2/14/21 23:00	2.455	140.4	14.77	0.524	28.89	0.02
2/14/21 23:15	2.243	142	12.64	0.675	28.89	0
2/14/21 23:30	2.36	137.7	12.78	0.78	28.89	0.02
2/14/21 23:45	2.301	156.8	13.76	0.603	28.89	0.02
2/15/21 0:00	1.925	163.4	17.84	0.422	28.86	0
2/15/21 0:15	2.001	153.7	13.24	0.323	28.86	0.02
2/15/21 0:30	2.077	141.7	13.66	0.24	28.86	0
2/15/21 0:45	2.191	138.3	11.7	0.367	28.86	0.01
2/15/21 1:00	2.406	127.8	10.77	0.328	28.85	0.01
2/15/21 1:15	2.429	131.4	9.99	0.365	28.85	0.01
2/15/21 1:30	2.306	126.8	10.73	0.046	28.85	0.01
2/15/21 1:45	2.168	126	11.71	-0.137	28.85	0
2/15/21 2:00	2.006	128	10.85	-0.024	28.82	0
2/15/21 2:15	1.972	129.8	11.28	0.168	28.82	0
2/15/21 2:30	1.882	126.1	10.61	0.099	28.82	0.01
2/15/21 2:45	1.761	127.6	10.22	-0.018	28.82	0.01
2/15/21 3:00	1.75	130.1	10.88	-0.018	28.78	0
2/15/21 3:15	1.546	128.3	12.02	-0.193	28.78	0
2/15/21 3:30	1.616	127.7	11.96	-0.342	28.78	0
2/15/21 3:45	1.59	126.9	10.48	-0.296	28.78	0
2/15/21 4:00	1.218	136.6	12.53	-0.147	28.77	0.01
2/15/21 4:15	0.845	128.8	13.57	0.026	28.77	0
2/15/21 4:30	0.843	133	14.32	-0.015	28.77	0
2/15/21 4:45	0.686	129	15.19	-0.123	28.77	0.01



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/15/21 5:00	0.824	127.5	14.91	-0.001	28.73	0
2/15/21 5:15	0.685	138.2	13.51	-0.179	28.73	0
2/15/21 5:30	1.359	131.1	13.45	-0.206	28.73	0
2/15/21 5:45	1.313	128.7	13.19	-0.185	28.73	0
2/15/21 6:00	1.499	129.1	11.29	-0.078	28.73	0
2/15/21 6:15	1.507	134	11.64	0.125	28.73	0
2/15/21 6:30	1.677	130.3	11.56	0.066	28.73	0
2/15/21 6:45	1.39	134.9	12.92	0.036	28.73	0
2/15/21 7:00	1.209	146.9	14.77	0.277	28.73	0
2/15/21 7:15	1.118	147.9	13.07	0.352	28.73	0
2/15/21 7:30	1.068	151	11.48	0.482	28.73	0.02
2/15/21 7:45	1.08	149.6	13.27	0.5	28.73	0.02
2/15/21 8:00	1.082	147.5	11.49	0.599	28.72	0.02
2/15/21 8:15	1.033	150	10.89	0.684	28.72	0.02
2/15/21 8:30	0.884	155.4	11.28	0.727	28.72	0.02
2/15/21 8:45	0.956	149.5	10.54	0.869	28.72	0.02
2/15/21 9:00	1.125	148.9	9.9	1.3	28.76	0.03
2/15/21 9:15	1.743	152.6	9.17	1.575	28.76	0.02
2/15/21 9:30	9.71	144.3	8.25	1.778	28.76	0.02
2/15/21 9:45	9.23	141.6	9.4	2.151	28.76	0.02
2/15/21 10:00	9.46	142.6	9.48	2.216	28.76	0.02
2/15/21 10:15	7.959	142.2	8.97	2.551	28.76	0.02
2/15/21 10:30	8.28	148.6	7.022	2.595	28.76	0.03
2/15/21 10:45	9.87	150.5	7.648	2.573	28.76	0.04
2/15/21 11:00	10.16	150.2	8.26	2.505	28.74	0.04
2/15/21 11:15	9.71	153.4	10.21	2.735	28.74	0.05
2/15/21 11:30	9.08	151.7	7.866	2.945	28.74	0.05
2/15/21 11:45	10.32	154.3	7.624	2.86	28.74	0.04
2/15/21 12:00	9.71	155.8	7.788	2.772	28.75	0.04
2/15/21 12:15	10.1	148.5	7.729	3.132	28.75	0.02
2/15/21 12:30	8.37	154.6	7.942	3.143	28.75	0.02
2/15/21 12:45	7.774	163.4	9.15	3.341	28.75	0.02
2/15/21 13:00	7.494	149.5	7.363	3.401	28.74	0.02
2/15/21 13:15	7.626	155.7	10.46	3.618	28.74	0.04
2/15/21 13:30	7.165	154.8	9.44	3.671	28.74	0
2/15/21 13:45	7.154	151.5	12.45	3.906	28.74	0.01
2/15/21 14:00	5.663	141.7	11.21	4.07	28.74	0.01
2/15/21 14:15	6.221	143.8	10.08	4.235	28.74	0.01
2/15/21 14:30	5.513	140.5	9.24	4.296	28.74	0.01
2/15/21 14:45	6.842	150.2	9.12	4.473	28.74	0
2/15/21 15:00	7.869	164.1	6.817	4.58	28.75	0.01
2/15/21 15:15	8.72	150.6	7.253	4.536	28.75	0
2/15/21 15:30	6.059	139.2	12.74	4.576	28.75	0.01
2/15/21 15:45	2.999	76.7	60.16	4.365	28.75	0.02
2/15/21 16:00	5.55	127.3	16.98	3.984	28.78	0.03
2/15/21 16:15	3.484	107.3	14.86	3.723	28.78	0.01
2/15/21 16:30	4.788	125.5	9.63	3.698	28.78	0.02
2/15/21 16:45	4.687	122.5	7.684	3.715	28.78	0.01
2/15/21 17:00	4.387	124.8	6.397	3.716	28.81	0.03
2/15/21 17:15	3.996	113.4	7.91	3.738	28.81	0.01
2/15/21 17:30	4.867	115.7	8.5	3.945	28.81	0.01
2/15/21 17:45	3.812	96.1	10.32	4.056	28.81	0.01
2/15/21 18:00	3.612	88.6	11.1	4.017	28.84	0.01
2/15/21 18:15	3.967	98.1	7.502	4.092	28.84	0.01
2/15/21 18:30	4.072	90.7	8.76	4.17	28.84	0.01
2/15/21 18:45	3.004	68.64	9.2	4.226	28.84	0.01
2/15/21 19:00	4.956	38.04	16.76	3.966	28.87	0.02
2/15/21 19:15	8.45	19.31	10.46	3.584	28.87	0
2/15/21 19:30	7.442	6.324	11.52	3.459	28.87	0.01
2/15/21 19:45	6.781	9.92	7.957	3.285	28.87	0.01
2/15/21 20:00	8.59	22.26	7.709	3.087	28.92	0.02
2/15/21 20:15	6.589	38.17	11.65	3.019	28.92	0
2/15/21 20:30	3.335	29.91	20.72	3.057	28.92	0
2/15/21 20:45	4.143	20.62	29.97	2.913	28.92	0
2/15/21 21:00	1.821	357.4	46.98	2.958	28.94	0
2/15/21 21:15	5.04	312.3	30.12	2.967	28.94	0
2/15/21 21:30	6.035	340	18.4	2.955	28.94	0
2/15/21 21:45	5.082	327.2	32.78	2.954	28.94	0
2/15/21 22:00	5.212	36.04	24.68	3.064	28.98	0
2/15/21 22:15	2.402	250.6	57.31	2.805	28.98	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/15/21 22:30	3.004	152.6	30.6	2.614	28.98	0.01
2/15/21 22:45	3.375	170	10	2.558	28.98	0.01
2/15/21 23:00	2.687	175.9	12.28	2.539	29.03	0.01
2/15/21 23:15	3.246	205.7	6.333	2.472	29.03	0.01
2/15/21 23:30	2.176	195.8	13.91	2.409	29.03	0.01
2/15/21 23:45	1.077	199.6	14.81	2.391	29.03	0.01
2/16/21 0:00	0	0	0	2.341	29.07	0
2/16/21 0:15	1.642	90.6	10.39	2.327	29.07	0.01
2/16/21 0:30	2.728	98.3	9.23	2.271	29.07	0
2/16/21 0:45	3.583	98.8	7.742	2.275	29.07	0
2/16/21 1:00	3.621	111.1	8.71	2.357	29.1	0
2/16/21 1:15	3.959	109.9	5.895	2.436	29.1	0
2/16/21 1:30	5.566	106.5	6.752	2.327	29.1	0
2/16/21 1:45	4.976	111.4	8.45	2.232	29.1	0.01
2/16/21 2:00	4.473	102.6	7.073	2.198	29.11	0
2/16/21 2:15	5.345	119.3	11.47	2.173	29.11	0
2/16/21 2:30	6.267	136.2	6.481	2.179	29.11	0.01
2/16/21 2:45	4.375	128.7	6.726	2.251	29.11	0
2/16/21 3:00	5.009	132.9	5.903	2.337	29.11	0
2/16/21 3:15	4.739	129.6	8.37	2.45	29.11	0
2/16/21 3:30	4.335	121.7	12.36	2.482	29.11	0
2/16/21 3:45	4.176	115	10.42	2.527	29.11	0
2/16/21 4:00	3.377	125.5	13.32	2.516	29.11	0
2/16/21 4:15	3.1	137.3	17.53	2.665	29.11	0
2/16/21 4:30	2.74	134.3	12.07	2.78	29.11	0
2/16/21 4:45	2.554	144.8	17.14	2.803	29.11	0
2/16/21 5:00	2.988	154.2	13.62	2.896	29.11	0
2/16/21 5:15	6.483	173.8	11.21	3.229	29.11	0
2/16/21 5:30	6.175	178.5	9.56	3.281	29.11	0
2/16/21 5:45	5.778	185	9.45	3.301	29.11	0.01
2/16/21 6:00	5.788	197.2	7.689	3.307	29.12	0
2/16/21 6:15	5.704	183.6	7.784	3.424	29.12	0
2/16/21 6:30	4.713	205.4	14.83	3.414	29.12	0
2/16/21 6:45	4.248	210.1	10.57	3.466	29.12	0.01
2/16/21 7:00	4.276	194	11.48	3.521	29.14	0
2/16/21 7:15	4.059	194.6	14.44	3.48	29.14	0
2/16/21 7:30	4.283	181.3	13.1	3.549	29.14	0
2/16/21 7:45	4.584	179.3	10.98	3.515	29.14	0
2/16/21 8:00	4.772	171.9	8.4	3.546	29.17	0
2/16/21 8:15	4.245	171.1	14.21	3.567	29.17	0
2/16/21 8:30	2.913	169	12.19	3.553	29.17	0
2/16/21 8:45	2.572	175.9	15.46	3.592	29.17	0
2/16/21 9:00	4.526	154.2	10.71	3.59	29.2	0.01
2/16/21 9:15	3.505	159.8	19.47	3.758	29.2	0
2/16/21 9:30	2.593	160.7	35.25	3.867	29.2	0
2/16/21 9:45	2.111	81.1	24.95	3.744	29.2	0
2/16/21 10:00	2.036	97.6	11.57	3.842	29.22	0
2/16/21 10:15	3.332	121.3	11.95	3.958	29.22	0
2/16/21 10:30	3.732	126.6	13.85	4.06	29.22	0
2/16/21 10:45	1.728	113.8	22.71	4.153	29.22	0
2/16/21 11:00	3.398	128.3	22.79	4.192	29.24	0
2/16/21 11:15	4.024	133.1	15.89	4.376	29.24	0
2/16/21 11:30	2.647	84	33.27	4.393	29.24	0
2/16/21 11:45	1.963	86.1	13.14	4.374	29.24	0
2/16/21 12:00	2.252	105.2	19.78	4.568	29.24	0
2/16/21 12:15	0.741	61.86	23.05	4.779	29.24	0
2/16/21 12:30	3.2	133	26.15	5.109	29.24	0
2/16/21 12:45	2.903	117.2	43.01	5.404	29.24	0
2/16/21 13:00	2.815	101.5	24.01	5.03	29.25	0
2/16/21 13:15	1.277	95.7	27.73	5.103	29.25	0
2/16/21 13:30	1.198	69.96	18.24	5.296	29.25	0
2/16/21 13:45	2.339	69.07	12.41	5.357	29.25	0
2/16/21 14:00	4.289	83.1	17.51	5.439	29.23	0
2/16/21 14:15	3.673	63.64	13.37	5.693	29.23	0
2/16/21 14:30	3.001	73.59	11.52	5.831	29.23	0
2/16/21 14:45	3.676	75.04	8.54	6.012	29.23	0
2/16/21 15:00	4.016	79.59	9.57	6.119	29.25	0
2/16/21 15:15	3.513	91.1	12.35	6.243	29.25	0
2/16/21 15:30	2.158	60.87	18.89	6.138	29.25	0
2/16/21 15:45	3.561	103.2	20.99	6.069	29.25	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/16/21 16:00	1.616	27.64	42.27	6.095	29.26	0
2/16/21 16:15	1.566	28.91	10.59	6.096	29.26	0.01
2/16/21 16:30	3.419	83.3	7.479	6.29	29.26	0
2/16/21 16:45	2.876	84.2	10.71	6.397	29.26	0
2/16/21 17:00	3.004	85	8.2	6.343	29.23	0
2/16/21 17:15	4.053	107.1	8.96	6.453	29.23	0
2/16/21 17:30	4.06	138.8	28.79	6.443	29.23	0
2/16/21 17:45	9.28	181.8	9.85	6.259	29.23	0
2/16/21 18:00	8.22	184.8	6.878	6.02	29.25	0
2/16/21 18:15	6.565	163.9	13.41	5.8	29.25	0
2/16/21 18:30	4.617	166.7	11.82	5.63	29.25	0
2/16/21 18:45	4.564	169.7	13.21	5.387	29.25	0
2/16/21 19:00	7.134	182.6	8.56	5.131	29.24	0
2/16/21 19:15	6.853	188.2	11.46	5.057	29.24	0
2/16/21 19:30	6.394	205.7	13.92	5.125	29.24	0
2/16/21 19:45	6.212	205.3	9.83	5.073	29.24	0
2/16/21 20:00	3.938	193.5	18.6	4.846	29.27	0
2/16/21 20:15	1.41	194.4	13.19	4.798	29.27	0
2/16/21 20:30	0.864	172.6	75.75	4.788	29.27	0
2/16/21 20:45	2.701	168.8	28.3	4.756	29.27	0
2/16/21 21:00	5.119	185.8	14.42	4.674	29.3	0
2/16/21 21:15	2.185	86.2	39.27	4.357	29.3	0
2/16/21 21:30	5.216	83.3	11.29	4.3	29.3	0
2/16/21 21:45	5.91	109.9	15.52	4.536	29.3	0
2/16/21 22:00	6.677	137.6	7.184	4.532	29.31	0
2/16/21 22:15	6.688	141.4	7.609	4.405	29.31	0
2/16/21 22:30	7.194	158.4	12.26	4.409	29.31	0
2/16/21 22:45	6.204	157.6	13.29	4.389	29.31	0
2/16/21 23:00	5.594	166	10.95	4.362	29.31	0
2/16/21 23:15	4.745	143.6	27.35	4.268	29.31	0
2/16/21 23:30	2.493	92.2	18.69	3.854	29.31	0
2/16/21 23:45	2.877	104.1	16.23	3.899	29.31	0
2/17/21 0:00	3.019	127.3	25.12	3.966	29.32	0
2/17/21 0:15	5.826	163.7	6.879	4.214	29.32	0
2/17/21 0:30	4.055	155	9.14	4.076	29.32	0
2/17/21 0:45	0.902	124.1	32.32	3.986	29.32	0
2/17/21 1:00	2.948	143	18.18	3.961	29.36	0.01
2/17/21 1:15	3.822	117	15.31	3.602	29.36	0
2/17/21 1:30	2.281	119.5	41.24	3.539	29.36	0
2/17/21 1:45	2.349	83	33.89	3.653	29.36	0
2/17/21 2:00	1.856	89.7	19.62	3.448	29.37	0
2/17/21 2:15	2.737	161.3	17.45	3.628	29.37	0
2/17/21 2:30	4.495	72.56	65.59	3.432	29.37	0.02
2/17/21 2:45	1.495	56.02	15.69	3.04	29.37	0
2/17/21 3:00	1.755	72.36	9.57	3.208	29.4	0
2/17/21 3:15	1.968	65.31	22.42	3.268	29.4	0
2/17/21 3:30	2.319	41.28	30.33	3.118	29.4	0
2/17/21 3:45	2.13	69.96	26.8	2.976	29.4	0
2/17/21 4:00	1.934	112.7	15.02	3.076	29.4	0
2/17/21 4:15	1.764	11.74	34.56	3.203	29.4	0
2/17/21 4:30	1.022	143.7	14.97	3.463	29.4	0
2/17/21 4:45	2.162	49.5	45.26	3.192	29.4	0
2/17/21 5:00	1.977	42.47	19.3	2.745	29.42	0
2/17/21 5:15	2.487	60.14	7.082	2.753	29.42	0
2/17/21 5:30	0.916	50.92	13.68	3.137	29.42	0
2/17/21 5:45	0.777	245.1	43.2	3.374	29.42	0
2/17/21 6:00	0.977	96.1	38.55	3.441	29.44	0
2/17/21 6:15	5.532	5.765	21.93	2.618	29.44	0
2/17/21 6:30	2.51	35.15	28.97	2.444	29.44	0
2/17/21 6:45	1.268	39.38	5.26	2.888	29.44	0
2/17/21 7:00	3.088	31.92	9.36	2.464	29.44	0
2/17/21 7:15	5.392	27.72	8.66	2.109	29.44	0
2/17/21 7:30	4.832	33.47	12.12	1.92	29.44	0
2/17/21 7:45	7.133	21.87	10.42	2.275	29.44	0
2/17/21 8:00	6.209	31.39	14.4	2.196	29.46	0
2/17/21 8:15	5.652	17.56	25.98	2.043	29.46	0
2/17/21 8:30	4.485	4.195	18.05	1.906	29.46	0
2/17/21 8:45	2.791	339.3	23.35	2.329	29.46	0
2/17/21 9:00	3.65	301.3	17.91	2.638	29.49	0
2/17/21 9:15	4.129	327.4	27.39	2.851	29.49	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/17/21 9:30	3.109	342.9	19.35	2.719	29.49	0
2/17/21 9:45	3.479	13.66	17.5	2.673	29.49	0
2/17/21 10:00	6.03	3.858	11.69	2.71	29.5	0
2/17/21 10:15	5.195	15.53	9.83	3.355	29.5	0
2/17/21 10:30	4.188	21.18	13.08	4.175	29.5	0
2/17/21 10:45	5.15	11.63	9.61	4.432	29.5	0
2/17/21 11:00	6.264	5.139	13.12	4.558	29.52	0
2/17/21 11:15	6.685	0.85	13.69	4.734	29.52	0
2/17/21 11:30	6.991	3.681	14.21	4.838	29.52	0
2/17/21 11:45	5.636	11.39	14.53	5.582	29.52	0
2/17/21 12:00	7.728	20.71	15.7	5.9	29.51	0
2/17/21 12:15	7.349	9.54	14.04	5.952	29.51	0
2/17/21 12:30	5.361	7.473	18.69	6.355	29.51	0
2/17/21 12:45	5.638	354.9	28.54	6.35	29.51	0
2/17/21 13:00	5.272	8.17	12.27	5.93	29.51	0
2/17/21 13:15	3.076	8.45	13.97	6.032	29.51	0
2/17/21 13:30	1.406	15.64	15.32	6.209	29.51	0
2/17/21 13:45	1.462	243.8	26.17	6.77	29.51	0
2/17/21 14:00	3.435	285.1	20.02	6.69	29.5	0
2/17/21 14:15	2.99	295.1	22.78	7.326	29.5	0
2/17/21 14:30	4.135	287.4	13.41	6.545	29.5	0
2/17/21 14:45	2.004	290.5	47.95	7.338	29.5	0
2/17/21 15:00	5.123	262.6	36.79	7.468	29.52	0
2/17/21 15:15	4.857	316.1	64.69	7.349	29.52	0
2/17/21 15:30	6.872	21.01	12.77	6.745	29.52	0
2/17/21 15:45	4.938	9.84	10.89	6.69	29.52	0
2/17/21 16:00	4.488	10.85	12.32	6.558	29.51	0
2/17/21 16:15	6.005	8.82	10.3	6.128	29.51	0
2/17/21 16:30	6.237	8.42	11.22	5.95	29.51	0
2/17/21 16:45	5.818	6.736	14.72	5.774	29.51	0
2/17/21 17:00	4.432	6.182	11.02	5.53	29.51	0
2/17/21 17:15	4.615	10.23	8.68	5.168	29.51	0
2/17/21 17:30	4.263	11.25	7.002	4.805	29.51	0
2/17/21 17:45	3.257	19.27	10.71	4.677	29.51	0
2/17/21 18:00	3.921	23.07	7.037	4.503	29.49	0
2/17/21 18:15	3.629	24.81	7.909	4.357	29.49	0
2/17/21 18:30	3.673	27.67	12.78	3.771	29.49	0
2/17/21 18:45	4.129	43.14	4.584	3.818	29.49	0
2/17/21 19:00	3.801	54.57	12	3.802	29.5	0
2/17/21 19:15	2.743	82.3	10.44	3.136	29.5	0
2/17/21 19:30	2.01	75.04	2.235	3.182	29.5	0
2/17/21 19:45	1.294	64.96	11.52	3.484	29.5	0
2/17/21 20:00	1.721	37.54	12.07	2.806	29.49	0
2/17/21 20:15	0.727	60.47	55.54	2.804	29.49	0
2/17/21 20:30	1.487	61.45	6.856	2.69	29.49	0
2/17/21 20:45	1.384	71.86	2.58	2.825	29.49	0
2/17/21 21:00	1.826	114.7	28.66	3.139	29.48	0
2/17/21 21:15	2.667	111.8	9.17	2.499	29.48	0
2/17/21 21:30	3.105	127	7.48	2.808	29.48	0
2/17/21 21:45	3.192	144.5	12.08	2.84	29.48	0
2/17/21 22:00	3.93	172.1	18.4	2.072	29.5	0
2/17/21 22:15	3.061	95.8	18.19	1.483	29.5	0
2/17/21 22:30	3.486	102.6	34.42	1.815	29.5	0
2/17/21 22:45	5.022	149.8	8.04	2.252	29.5	0
2/17/21 23:00	3.995	119.8	14.49	2.235	29.5	0
2/17/21 23:15	3.062	104.8	14.77	2.362	29.5	0
2/17/21 23:30	3.802	67.96	10.23	1.439	29.5	0
2/17/21 23:45	5.358	104.2	15.74	2.165	29.5	0
2/18/21 0:00	5.415	119.9	6.537	2.685	29.48	0
2/18/21 0:15	5.684	134.8	9.65	2.991	29.48	0
2/18/21 0:30	5.762	148	14.85	3.025	29.48	0
2/18/21 0:45	4.784	119.2	16.31	2.784	29.48	0
2/18/21 1:00	7.162	115.8	10.82	2.98	29.44	0
2/18/21 1:15	7.433	106.8	10.58	3.037	29.44	0
2/18/21 1:30	8.13	101.9	10.24	3.13	29.44	0
2/18/21 1:45	8.23	114.5	11.9	3.612	29.44	0
2/18/21 2:00	8.32	117.1	10.06	3.536	29.41	0
2/18/21 2:15	9.93	115.2	11.64	3.62	29.41	0
2/18/21 2:30	10.86	122	10.88	3.962	29.41	0
2/18/21 2:45	9.4	106	13.78	3.803	29.41	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/18/21 3:00	8.65	101.2	14.13	3.514	29.39	0
2/18/21 3:15	8.57	113.5	11.28	4.154	29.39	0
2/18/21 3:30	7.84	100	13.56	3.879	29.39	0
2/18/21 3:45	7.412	99.7	14.8	3.712	29.39	0
2/18/21 4:00	11.91	113.3	12.21	4.296	29.35	0
2/18/21 4:15	10.35	106.5	15.11	4.319	29.35	0
2/18/21 4:30	9.93	112.1	12.98	4.215	29.35	0
2/18/21 4:45	7.346	101.6	15.22	3.999	29.35	0
2/18/21 5:00	8.64	102.8	17.64	4.107	29.32	0
2/18/21 5:15	10.23	97.4	15.82	4.117	29.32	0
2/18/21 5:30	10.44	88.6	11.72	4.057	29.32	0
2/18/21 5:45	10.63	127.9	13.45	4.691	29.32	0
2/18/21 6:00	12.03	125	13.6	4.952	29.31	0
2/18/21 6:15	7.599	101.8	21.25	4.748	29.31	0
2/18/21 6:30	12.12	113.6	14.45	5.097	29.31	0
2/18/21 6:45	13.18	114.8	12.18	5.058	29.31	0
2/18/21 7:00	13.2	110.1	11.71	5.025	29.31	0
2/18/21 7:15	13.09	120.9	11.13	5.103	29.31	0
2/18/21 7:30	15.07	110	11.83	5.134	29.31	0
2/18/21 7:45	13.7	107.5	11.9	5.071	29.31	0
2/18/21 8:00	14.7	118.5	10.31	5.262	29.26	0
2/18/21 8:15	15.55	122.1	12.12	5.37	29.26	0
2/18/21 8:30	15.16	123.7	10.87	5.41	29.26	0
2/18/21 8:45	16.32	120.9	11.53	5.462	29.26	0
2/18/21 9:00	16.64	116.6	11.94	5.504	29.25	0
2/18/21 9:15	15.91	111.8	11.5	5.621	29.25	0
2/18/21 9:30	17.04	122.3	11.64	5.792	29.25	0
2/18/21 9:45	16.43	119.2	14.25	5.916	29.25	0
2/18/21 10:00	15.77	149	26.64	5.968	29.29	0
2/18/21 10:15	12.45	132.7	18.19	5.978	29.29	0
2/18/21 10:30	11.74	131.8	9.98	6.059	29.29	0
2/18/21 10:45	9.24	136.7	10.62	6.02	29.29	0
2/18/21 11:00	8.25	106.8	16.72	5.778	29.26	0
2/18/21 11:15	11.5	96.1	13.78	5.568	29.26	0
2/18/21 11:30	12.47	94.5	13.21	5.55	29.26	0
2/18/21 11:45	12.4	85.6	13.66	5.628	29.26	0
2/18/21 12:00	10.88	88.3	13.69	5.871	29.22	0
2/18/21 12:15	11.12	98.2	16.75	6.154	29.22	0
2/18/21 12:30	10.63	115.4	13.02	6.179	29.22	0
2/18/21 12:45	11.82	113.7	10.59	6.026	29.22	0
2/18/21 13:00	12.98	111	11.85	5.911	29.22	0
2/18/21 13:15	13.48	113.1	10.76	5.815	29.22	0
2/18/21 13:30	12.84	111.7	10.72	5.894	29.22	0
2/18/21 13:45	14.11	113.5	11.94	5.698	29.22	0
2/18/21 14:00	13.28	118.6	12.58	5.566	29.17	0
2/18/21 14:15	14.05	119.6	10.96	5.369	29.17	0
2/18/21 14:30	14.07	117.9	11.87	5.351	29.17	0
2/18/21 14:45	13.39	114.7	11.19	5.156	29.17	0
2/18/21 15:00	15.13	111.4	12.11	4.852	29.16	0
2/18/21 15:15	16.63	113.5	10.1	4.601	29.16	0
2/18/21 15:30	15.96	109.7	12.33	4.514	29.16	0
2/18/21 15:45	16.14	108.6	13.24	4.261	29.16	0.01
2/18/21 16:00	16.75	110.9	11.67	4.098	29.14	0
2/18/21 16:15	16.24	109.8	10.48	4.041	29.14	0
2/18/21 16:30	15.76	111.1	11.71	3.955	29.14	0
2/18/21 16:45	14.54	106.2	13.65	3.583	29.14	0.01
2/18/21 17:00	15.45	109.3	10.66	3.202	29.13	0.02
2/18/21 17:15	14.57	109.5	11.49	2.86	29.13	0
2/18/21 17:30	16.71	114.4	11.08	2.785	29.13	0
2/18/21 17:45	18.7	112.3	9.17	2.546	29.13	0.01
2/18/21 18:00	16.81	114.3	10.99	2.371	29.13	0
2/18/21 18:15	16.73	113.8	9.55	2.348	29.13	0
2/18/21 18:30	15.21	112	11.18	2.416	29.13	0
2/18/21 18:45	13.92	116.3	10.03	2.483	29.13	0
2/18/21 19:00	11.98	115.5	11.43	2.491	29.15	0
2/18/21 19:15	13.47	110.3	10.23	2.663	29.15	0
2/18/21 19:30	12.9	115.3	9.47	2.934	29.15	0
2/18/21 19:45	10.44	129.2	10.6	2.94	29.15	0
2/18/21 20:00	9.86	129.2	10.45	2.924	29.16	0
2/18/21 20:15	8.68	135.2	11.33	3.078	29.16	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/18/21 20:30	8.32	127.4	13.6	3.176	29.16	0
2/18/21 20:45	8.06	123.9	14.66	3.396	29.16	0
2/18/21 21:00	8.91	113.5	9.29	3.778	29.16	0
2/18/21 21:15	9.15	114.1	10.39	3.824	29.16	0
2/18/21 21:30	9.06	118.8	9.08	4.125	29.16	0
2/18/21 21:45	8.13	126.9	9.79	4.272	29.16	0
2/18/21 22:00	8.63	127.7	10.79	4.261	29.16	0
2/18/21 22:15	7.791	111	12.09	4.359	29.16	0
2/18/21 22:30	5.366	110.8	15.82	4.39	29.16	0
2/18/21 22:45	5.74	127.3	9.53	4.252	29.16	0.01
2/18/21 23:00	5.164	137	25.98	4.51	29.16	0
2/18/21 23:15	10.22	167.2	14	5.421	29.16	0
2/18/21 23:30	10.88	173	9.79	5.739	29.16	0
2/18/21 23:45	10.89	169.8	7.781	5.794	29.16	0
2/19/21 0:00	11.08	170	9.46	5.848	29.18	0
2/19/21 0:15	9.58	164.7	10.25	5.879	29.18	0
2/19/21 0:30	10.59	165.2	8.39	5.93	29.18	0
2/19/21 0:45	11.22	176.9	9.95	5.892	29.18	0
2/19/21 1:00	10.82	178.6	9.4	5.856	29.21	0
2/19/21 1:15	10.95	184.5	10.04	5.891	29.21	0
2/19/21 1:30	12.56	195.7	11.49	5.771	29.21	0.01
2/19/21 1:45	13.59	181.7	9.74	5.505	29.21	0.01
2/19/21 2:00	11.86	169.2	9.14	5.257	29.19	0
2/19/21 2:15	8.7	163	10.93	4.966	29.19	0
2/19/21 2:30	7.725	156.7	9.94	4.814	29.19	0
2/19/21 2:45	7.805	149.1	11.78	4.813	29.19	0
2/19/21 3:00	9.18	150.9	10.01	4.852	29.21	0
2/19/21 3:15	9.65	154.8	12.03	4.957	29.21	0
2/19/21 3:30	9.87	161.4	11.53	5.011	29.21	0
2/19/21 3:45	9.31	160.4	11.49	4.963	29.21	0
2/19/21 4:00	10.26	155.6	8.55	4.965	29.24	0
2/19/21 4:15	11.07	157.7	7.855	4.886	29.24	0
2/19/21 4:30	10.23	159.9	9.31	4.809	29.24	0
2/19/21 4:45	10.29	163.8	8.58	4.789	29.24	0
2/19/21 5:00	10.7	155.5	9.99	4.735	29.24	0
2/19/21 5:15	7.599	137	13.46	4.636	29.24	0
2/19/21 5:30	8.27	127.5	9.65	4.635	29.24	0
2/19/21 5:45	8.05	119.2	9.51	4.627	29.24	0
2/19/21 6:00	7.219	127.9	11.46	4.578	29.24	0
2/19/21 6:15	6.907	119.4	8.7	4.567	29.24	0
2/19/21 6:30	5.938	117.9	9.11	4.46	29.24	0
2/19/21 6:45	6.704	132	7.997	4.285	29.24	0
2/19/21 7:00	6.205	140.8	7.578	4.165	29.26	0
2/19/21 7:15	8.1	140.9	9.98	4.217	29.26	0.01
2/19/21 7:30	8.21	140.8	8.65	4.09	29.26	0
2/19/21 7:45	9.17	152	10	4.144	29.26	0
2/19/21 8:00	9.72	151.2	9.88	4.039	29.28	0
2/19/21 8:15	11.46	145.2	9.19	3.895	29.28	0
2/19/21 8:30	10.34	132.3	8.57	3.729	29.28	0
2/19/21 8:45	9.64	129.5	9.12	3.826	29.28	0
2/19/21 9:00	9.88	131.3	9.59	3.905	29.3	0
2/19/21 9:15	7.147	116.9	10.79	4.186	29.3	0
2/19/21 9:30	7.204	125	14.68	4.37	29.3	0
2/19/21 9:45	8.56	142	8.81	4.628	29.3	0
2/19/21 10:00	7.844	149.7	14.09	4.834	29.3	0
2/19/21 10:15	7.628	158	11.85	5.359	29.3	0
2/19/21 10:30	10.44	163.3	8.35	5.29	29.3	0
2/19/21 10:45	11.57	167.1	10.59	5.472	29.3	0
2/19/21 11:00	10.36	170.5	10.39	5.679	29.29	0
2/19/21 11:15	10.2	172.5	14.27	5.807	29.29	0
2/19/21 11:30	9.24	179.1	10.91	5.832	29.29	0
2/19/21 11:45	8.81	182.1	10.42	6.097	29.29	0
2/19/21 12:00	7.667	178.7	17.16	6.395	29.27	0
2/19/21 12:15	8.26	184.9	22.7	6.494	29.27	0
2/19/21 12:30	12.24	181.6	13.06	6.589	29.27	0
2/19/21 12:45	8.08	181.5	18.65	6.756	29.27	0
2/19/21 13:00	9.24	177	10.66	6.938	29.26	0
2/19/21 13:15	10.66	181.4	11.66	6.873	29.26	0
2/19/21 13:30	10.21	182.9	10.76	6.921	29.26	0
2/19/21 13:45	7.651	192.9	15.37	7.139	29.26	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/19/21 14:00	6.117	199.8	12.75	7.204	29.25	0
2/19/21 14:15	7.059	215.6	11.3	7.313	29.25	0
2/19/21 14:30	8.65	207.2	18.9	7.671	29.25	0
2/19/21 14:45	9.5	196.1	17.08	7.793	29.25	0
2/19/21 15:00	9.83	192.8	12.69	7.875	29.22	0
2/19/21 15:15	11.68	200.7	10.33	7.686	29.22	0
2/19/21 15:30	8.47	199	10.06	7.615	29.22	0
2/19/21 15:45	8.23	222.7	10.67	7.515	29.22	0
2/19/21 16:00	14.11	261.8	10.9	5.552	29.21	0.01
2/19/21 16:15	11.31	263.2	9.18	4.419	29.21	0.01
2/19/21 16:30	8.04	269.3	10.61	4.314	29.21	0
2/19/21 16:45	5.949	247	10.71	4.223	29.21	0
2/19/21 17:00	5.435	255	18.27	4.18	29.23	0
2/19/21 17:15	3.363	273.3	20.3	4.103	29.23	0.01
2/19/21 17:30	1.682	347.7	73.22	4.019	29.23	0
2/19/21 17:45	1.292	94.8	28.6	3.897	29.23	0.01
2/19/21 18:00	1.357	50.67	12.01	3.826	29.21	0.01
2/19/21 18:15	3.076	123.1	29.42	3.763	29.21	0
2/19/21 18:30	1.825	125.1	19.83	3.904	29.21	0.01
2/19/21 18:45	3.766	176.2	13.58	3.875	29.21	0.01
2/19/21 19:00	6.603	181.4	16.92	3.885	29.22	0.03
2/19/21 19:15	8.36	166.4	10.83	3.689	29.22	0.02
2/19/21 19:30	7.583	167	10.16	3.544	29.22	0.01
2/19/21 19:45	5.919	142.4	9.39	3.407	29.22	0.02
2/19/21 20:00	6.794	130.2	7.712	3.351	29.21	0
2/19/21 20:15	5.501	110.9	10.14	3.327	29.21	0
2/19/21 20:30	5.451	111.4	7.322	3.284	29.21	0
2/19/21 20:45	5.701	114.2	9.75	3.238	29.21	0.01
2/19/21 21:00	6.596	120.9	8.57	3.164	29.22	0
2/19/21 21:15	6.299	117.7	9.09	3.053	29.22	0
2/19/21 21:30	5.591	103.4	8.8	2.95	29.22	0
2/19/21 21:45	5.615	105.7	9.71	2.835	29.22	0
2/19/21 22:00	6.435	98.9	10.13	2.767	29.23	0
2/19/21 22:15	5.539	108.2	8.33	2.823	29.23	0
2/19/21 22:30	4.351	118.7	11.78	2.884	29.23	0.01
2/19/21 22:45	3.11	120.5	12.72	2.969	29.23	0
2/19/21 23:00	3.67	112.9	11.38	2.99	29.24	0
2/19/21 23:15	3.859	130.6	6.812	3.063	29.24	0
2/19/21 23:30	3.43	123.8	6.943	3.083	29.24	0
2/19/21 23:45	3.649	125.2	6.53	3.184	29.24	0
2/20/21 0:00	2.81	137.7	14.3	3.202	29.25	0
2/20/21 0:15	3.425	144.3	28.07	3.185	29.25	0
2/20/21 0:30	4.142	151.7	16.99	3.242	29.25	0
2/20/21 0:45	3.854	153.7	11.42	3.03	29.25	0
2/20/21 1:00	3.359	143.5	16.79	3.117	29.27	0
2/20/21 1:15	1.985	138.7	26.7	3.109	29.27	0
2/20/21 1:30	2.772	155.1	8.47	3.05	29.27	0
2/20/21 1:45	2.917	158.5	9.01	3.041	29.27	0
2/20/21 2:00	2.706	140.7	11.35	3.033	29.28	0
2/20/21 2:15	1.862	147.1	15.93	3.061	29.28	0
2/20/21 2:30	0.692	109.8	27.63	3.029	29.28	0
2/20/21 2:45	2.306	126.9	17.37	2.934	29.28	0
2/20/21 3:00	3.109	143.1	12.5	3.027	29.28	0.01
2/20/21 3:15	4.755	171.3	9.95	3.203	29.28	0
2/20/21 3:30	4.998	168.6	9.19	3.243	29.28	0
2/20/21 3:45	5.208	171.4	8.62	3.245	29.28	0
2/20/21 4:00	4.747	169.2	10.59	3.284	29.3	0
2/20/21 4:15	5.208	175.1	11.43	3.301	29.3	0
2/20/21 4:30	4.932	189.6	10.3	3.337	29.3	0
2/20/21 4:45	5.262	182.9	7.644	3.358	29.3	0
2/20/21 5:00	4.838	176.2	12.1	3.364	29.31	0
2/20/21 5:15	5.222	187	10.37	3.365	29.31	0
2/20/21 5:30	4.377	185.3	7.905	3.374	29.31	0
2/20/21 5:45	3.676	177.1	10.51	3.376	29.31	0
2/20/21 6:00	2.588	150.1	25.18	3.35	29.33	0.01
2/20/21 6:15	3.099	189.9	12.58	3.386	29.33	0
2/20/21 6:30	2.503	209	15.82	3.399	29.33	0
2/20/21 6:45	1.613	184.4	16.14	3.39	29.33	0
2/20/21 7:00	2.791	205.2	16.96	3.407	29.36	0
2/20/21 7:15	4.901	251.6	14.35	3.389	29.36	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/20/21 7:30	4.238	259.5	9.46	3.338	29.36	0
2/20/21 7:45	1.233	179.3	72.39	3.305	29.36	0.01
2/20/21 8:00	1.816	68.41	28.46	3.316	29.38	0
2/20/21 8:15	1.583	55.65	14.64	3.322	29.38	0
2/20/21 8:30	3.336	112.2	19.88	3.268	29.38	0
2/20/21 8:45	5.136	178.4	16.96	3.404	29.38	0.01
2/20/21 9:00	6.427	184	7.183	3.512	29.39	0
2/20/21 9:15	6.391	179.8	8.33	3.572	29.39	0
2/20/21 9:30	4.89	168.8	11.35	3.676	29.39	0.01
2/20/21 9:45	5.105	139.6	10.22	3.833	29.39	0
2/20/21 10:00	4.179	138.9	14.75	3.839	29.42	0
2/20/21 10:15	5.527	186	11.94	3.879	29.42	0
2/20/21 10:30	8.39	186.6	8.58	4.047	29.42	0.01
2/20/21 10:45	9.28	180.8	8.31	4.168	29.42	0
2/20/21 11:00	9.28	174.7	8.51	4.118	29.45	0
2/20/21 11:15	8.76	177	10.03	4.272	29.45	0
2/20/21 11:30	7.308	180.9	12.74	4.192	29.45	0
2/20/21 11:45	6.066	147.4	14.08	4.647	29.45	0
2/20/21 12:00	7.751	164.3	18.66	5.053	29.46	0
2/20/21 12:15	9.38	180.7	17.96	5.435	29.46	0
2/20/21 12:30	9.07	191.8	19.2	6.026	29.46	0
2/20/21 12:45	9.16	193.7	12.07	5.887	29.46	0
2/20/21 13:00	7.496	209.5	14.59	5.977	29.44	0
2/20/21 13:15	5.209	184.2	14.92	6.436	29.44	0
2/20/21 13:30	5.399	218.6	28.42	6.433	29.44	0
2/20/21 13:45	9.66	236.7	9.55	6.527	29.44	0
2/20/21 14:00	12.01	242.1	15.14	6.839	29.45	0
2/20/21 14:15	9.08	237.9	10.23	7.179	29.45	0
2/20/21 14:30	9.83	235.8	12.24	7.302	29.45	0
2/20/21 14:45	17.66	219.9	8.64	7.35	29.45	0
2/20/21 15:00	16.18	227.6	11.63	7.403	29.47	0
2/20/21 15:15	15.13	234	9.56	7.31	29.47	0
2/20/21 15:30	12.68	236.1	12.02	7.156	29.47	0
2/20/21 15:45	13.43	231	9.42	6.869	29.47	0
2/20/21 16:00	12.59	222.2	11.36	6.609	29.5	0
2/20/21 16:15	12.69	218.2	9.98	6.418	29.5	0
2/20/21 16:30	14.65	225.8	9.41	6.296	29.5	0
2/20/21 16:45	14.89	224.5	9.42	6.203	29.5	0
2/20/21 17:00	10.55	210.8	11.22	6.134	29.48	0
2/20/21 17:15	10.33	199.2	10.53	5.979	29.48	0
2/20/21 17:30	10.88	197.1	12.49	5.922	29.48	0
2/20/21 17:45	13.35	203.4	9.33	5.879	29.48	0
2/20/21 18:00	14.09	207.6	12.55	5.659	29.5	0
2/20/21 18:15	17.47	210.7	8.71	5.456	29.5	0
2/20/21 18:30	14.61	214.6	7.659	5.374	29.5	0
2/20/21 18:45	12.47	215.7	10.19	5.169	29.5	0
2/20/21 19:00	10.25	215.8	8.73	4.997	29.51	0
2/20/21 19:15	8.25	183.4	11.67	4.786	29.51	0
2/20/21 19:30	9.31	174.8	8.08	4.696	29.51	0
2/20/21 19:45	9.65	173.9	8.17	4.637	29.51	0
2/20/21 20:00	10.61	181.5	8.44	4.655	29.52	0
2/20/21 20:15	11.07	183.6	8.47	4.645	29.52	0
2/20/21 20:30	11.6	182.3	10.38	4.604	29.52	0
2/20/21 20:45	11.07	181.7	7.814	4.483	29.52	0
2/20/21 21:00	11.02	176.3	8.5	4.484	29.54	0
2/20/21 21:15	10.36	179.6	7.798	4.445	29.54	0
2/20/21 21:30	9.46	172.1	10.77	4.438	29.54	0
2/20/21 21:45	9.57	154.1	7.225	4.305	29.54	0
2/20/21 22:00	9.49	153.3	7.21	4.284	29.54	0
2/20/21 22:15	9.6	155.3	7.205	4.251	29.54	0.01
2/20/21 22:30	9.97	151	6.7	4.093	29.54	0.01
2/20/21 22:45	8.56	148.7	6.867	3.977	29.54	0.01
2/20/21 23:00	8	152.8	7.291	3.945	29.53	0.02
2/20/21 23:15	9.02	154.2	6.544	3.948	29.53	0.02
2/20/21 23:30	10.17	150.1	11.13	3.934	29.53	0.02
2/20/21 23:45	10.34	150.4	6.805	3.882	29.53	0.02
2/21/21 0:00	11.18	153.5	6.935	3.846	29.51	0.02
2/21/21 0:15	11.57	154.4	6.7	3.806	29.51	0.02
2/21/21 0:30	10.41	145.8	6.156	3.751	29.51	0
2/21/21 0:45	10.24	148.1	6.808	3.793	29.51	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/21/21 1:00	9.13	142	8.21	3.793	29.52	0
2/21/21 1:15	9.79	142.1	7.787	3.882	29.52	0.01
2/21/21 1:30	9.55	145.5	8.62	3.992	29.52	0
2/21/21 1:45	8.63	152.3	7.147	3.94	29.52	0
2/21/21 2:00	8.18	149.9	7.777	4.008	29.51	0
2/21/21 2:15	8.64	149.9	7.644	4.125	29.51	0
2/21/21 2:30	10.24	148.7	7.19	4.268	29.51	0
2/21/21 2:45	10.9	152.7	7.528	4.488	29.51	0
2/21/21 3:00	10.79	153	8.04	4.615	29.5	0
2/21/21 3:15	8.09	148.2	10.36	4.69	29.5	0
2/21/21 3:30	7.635	149.4	9.13	4.765	29.5	0
2/21/21 3:45	7.473	145.8	9.3	4.812	29.5	0
2/21/21 4:00	8.27	161.7	10.28	5.041	29.48	0
2/21/21 4:15	9.01	164.3	12.87	5.3	29.48	0
2/21/21 4:30	9.01	170.3	12.33	5.555	29.48	0
2/21/21 4:45	9.56	171.6	11.64	5.752	29.48	0
2/21/21 5:00	9.23	176.2	11.85	5.825	29.47	0
2/21/21 5:15	10.65	171.7	12.85	5.966	29.47	0
2/21/21 5:30	10.18	180.1	13.13	6.116	29.47	0
2/21/21 5:45	11.18	180.3	11.17	6.171	29.47	0
2/21/21 6:00	12.02	185.6	11.09	6.113	29.49	0
2/21/21 6:15	14.35	185.4	9.75	6.102	29.49	0
2/21/21 6:30	14.04	186.6	9.57	5.963	29.49	0
2/21/21 6:45	12.85	189.3	9.3	6.04	29.49	0
2/21/21 7:00	13.48	193.6	9.26	6.099	29.45	0
2/21/21 7:15	16.88	195.5	7.565	6.304	29.45	0
2/21/21 7:30	15.28	191.5	7.996	6.349	29.45	0
2/21/21 7:45	13.83	190.2	7.221	6.432	29.45	0
2/21/21 8:00	14.3	183.5	10.79	6.615	29.49	0
2/21/21 8:15	14.41	186	8.87	6.71	29.49	0
2/21/21 8:30	16.4	185.2	8.4	6.853	29.49	0
2/21/21 8:45	15.82	188.7	7.813	6.958	29.49	0
2/21/21 9:00	14.54	188.6	8.25	7.159	29.47	0
2/21/21 9:15	14.56	195.9	8	7.37	29.47	0
2/21/21 9:30	14.65	196.6	8.24	7.555	29.47	0
2/21/21 9:45	17.91	196.4	8.17	7.578	29.47	0
2/21/21 10:00	14.91	192.9	8.85	7.564	29.48	0
2/21/21 10:15	14.82	195.9	9.75	7.715	29.48	0
2/21/21 10:30	14.92	198.2	7.622	7.746	29.48	0
2/21/21 10:45	17.05	203	8.35	7.955	29.48	0
2/21/21 11:00	15.52	200.6	10.23	8.02	29.51	0
2/21/21 11:15	17.91	195.2	9.24	8.19	29.51	0
2/21/21 11:30	16.18	192.7	9.26	8.29	29.51	0
2/21/21 11:45	16.16	193.5	8.9	8.57	29.51	0
2/21/21 12:00	14.75	195.3	8.89	8.88	29.5	0
2/21/21 12:15	15.99	191.7	10.05	8.96	29.5	0
2/21/21 12:30	14.02	191.8	11.46	9.05	29.5	0
2/21/21 12:45	18.38	198.6	12.05	9.21	29.5	0
2/21/21 13:00	18.78	204.5	8.28	9.07	29.51	0
2/21/21 13:15	18.53	203.1	8.69	8.67	29.51	0
2/21/21 13:30	17.01	197.9	8.2	8.49	29.51	0
2/21/21 13:45	13.55	188.5	8.97	8.24	29.51	0
2/21/21 14:00	14.63	179.9	8.86	8.09	29.5	0
2/21/21 14:15	15.13	176.1	8.3	7.966	29.5	0
2/21/21 14:30	15.05	180.4	9.21	8.06	29.5	0
2/21/21 14:45	15.17	173.5	9.07	8.52	29.5	0
2/21/21 15:00	15.89	184.9	11.39	8.73	29.51	0
2/21/21 15:15	16.77	192.2	8.98	8.85	29.51	0
2/21/21 15:30	18.13	195.3	9.46	8.8	29.51	0
2/21/21 15:45	15.13	194.1	7.59	8.93	29.51	0
2/21/21 16:00	14.46	199.9	7.452	8.71	29.51	0.02
2/21/21 16:15	16.14	189.6	10.51	8.67	29.51	0
2/21/21 16:30	13.42	180	10.79	8.82	29.51	0
2/21/21 16:45	12.44	197.6	8.34	8.88	29.51	0
2/21/21 17:00	16.57	197.5	8.97	9.02	29.5	0
2/21/21 17:15	13.6	193.1	9.34	9.05	29.5	0
2/21/21 17:30	13.52	189.5	9.02	9.25	29.5	0
2/21/21 17:45	14.39	182.1	10.72	9.34	29.5	0
2/21/21 18:00	13.03	177.9	10.61	9.3	29.49	0
2/21/21 18:15	15.03	174.4	10.71	9.39	29.49	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/21/21 18:30	13.76	188.4	10.84	9.39	29.49	0
2/21/21 18:45	14.5	188.7	12.42	9.39	29.49	0
2/21/21 19:00	12.54	184.9	18.33	9.34	29.5	0
2/21/21 19:15	10.63	180.4	15.48	9.31	29.5	0
2/21/21 19:30	13.53	195.3	15.09	9.3	29.5	0
2/21/21 19:45	17.8	202.6	9.23	9.33	29.5	0
2/21/21 20:00	18.25	194.9	9.07	9.3	29.49	0
2/21/21 20:15	18.43	189.3	8.75	9.23	29.49	0
2/21/21 20:30	20.26	197.7	8.39	9.15	29.49	0
2/21/21 20:45	20.24	191.6	9.04	8.73	29.49	0.01
2/21/21 21:00	18.81	183.3	7.672	8.51	29.46	0
2/21/21 21:15	16.78	179.2	8.17	8.3	29.46	0
2/21/21 21:30	14.36	170.7	8.38	8.22	29.46	0.02
2/21/21 21:45	12.32	172.6	9.91	8.13	29.46	0.03
2/21/21 22:00	12.3	169.7	9.11	8.05	29.46	0.04
2/21/21 22:15	11.83	163.7	7.868	8.01	29.46	0.05
2/21/21 22:30	13.21	157.2	6.685	7.899	29.46	0.04
2/21/21 22:45	14.39	159.9	7.117	7.863	29.46	0.03
2/21/21 23:00	14.3	167.3	7.739	7.909	29.44	0.03
2/21/21 23:15	16.25	170.7	8	8.04	29.44	0.02
2/21/21 23:30	15.74	177.1	8.41	8.02	29.44	0.03
2/21/21 23:45	16.45	183.4	9.41	8.12	29.44	0.01
2/22/21 0:00	16.38	181.3	9.74	8.21	29.44	0.02
2/22/21 0:15	16.43	183.9	9.7	8.23	29.44	0.02
2/22/21 0:30	15.68	178.7	9.15	8.24	29.44	0.01
2/22/21 0:45	16.17	179.4	9.32	8.23	29.44	0.01
2/22/21 1:00	18.77	176.2	12.17	8.3	29.41	0.02
2/22/21 1:15	18.2	179.5	10.57	8.27	29.41	0.01
2/22/21 1:30	17.61	184.4	10.21	8.29	29.41	0
2/22/21 1:45	16.67	189.6	10.05	8.2	29.41	0.01
2/22/21 2:00	14.58	190.4	9.75	8.29	29.39	0
2/22/21 2:15	15.63	185.8	9.39	8.26	29.39	0
2/22/21 2:30	17.48	181.7	10.44	8.26	29.39	0
2/22/21 2:45	17.08	194.7	10.42	8.19	29.39	0.01
2/22/21 3:00	13.99	188.7	11.24	8.09	29.4	0.01
2/22/21 3:15	14.29	190.8	10.35	8.12	29.4	0.03
2/22/21 3:30	14.37	192.4	9.36	8.14	29.4	0.01
2/22/21 3:45	13.92	182.8	9.38	8.11	29.4	0.01
2/22/21 4:00	15.68	188.8	9.08	8.16	29.38	0
2/22/21 4:15	14.05	188.9	9.96	8.17	29.38	0.01
2/22/21 4:30	15.89	185.6	8.95	8.23	29.38	0
2/22/21 4:45	13.99	191.2	8.94	8.29	29.38	0
2/22/21 5:00	14.33	183.4	10.45	8.33	29.38	0.01
2/22/21 5:15	14.33	191.2	11.11	8.34	29.38	0.01
2/22/21 5:30	13.51	188	10.94	8.33	29.38	0.01
2/22/21 5:45	14.18	187.5	10.97	8.36	29.38	0
2/22/21 6:00	12.31	187.7	12.48	8.39	29.38	0
2/22/21 6:15	14.03	187.5	11.74	8.41	29.38	0
2/22/21 6:30	14.91	190	10.99	8.51	29.38	0
2/22/21 6:45	14.63	188.6	11.99	8.54	29.38	0
2/22/21 7:00	13.96	190.4	11.51	8.44	29.37	0
2/22/21 7:15	16.12	189.5	10.45	8.47	29.37	0
2/22/21 7:30	16.4	188.5	10	8.42	29.37	0.01
2/22/21 7:45	16.33	186.7	9.26	8.36	29.37	0
2/22/21 8:00	17.96	192.5	9.78	8.37	29.37	0.01
2/22/21 8:15	17.21	194.1	8.45	8.37	29.37	0.01
2/22/21 8:30	17.47	195.1	8.41	8.39	29.37	0.02
2/22/21 8:45	15.95	191.8	8.24	8.35	29.37	0.01
2/22/21 9:00	14.49	196.9	8.46	8.31	29.37	0.03
2/22/21 9:15	17	193.7	9.77	8.33	29.37	0.03
2/22/21 9:30	17.06	198.6	8.53	8.35	29.37	0.03
2/22/21 9:45	16.36	198	9.21	8.34	29.37	0.02
2/22/21 10:00	16.06	195	11.42	8.32	29.37	0.02
2/22/21 10:15	15.65	196.5	8.17	8.32	29.37	0.01
2/22/21 10:30	17.06	194.5	8.83	8.38	29.37	0.01
2/22/21 10:45	15.69	193.2	8.31	8.38	29.37	0.02
2/22/21 11:00	13.61	194.2	9.4	8.35	29.33	0.01
2/22/21 11:15	15.49	191.8	9.9	8.39	29.33	0.02
2/22/21 11:30	15.88	200.5	9.07	8.45	29.33	0.02
2/22/21 11:45	15.92	201.1	8.14	8.47	29.33	0.05

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/22/21 12:00	12.38	209.1	8.25	8.43	29.33	0.03
2/22/21 12:15	14.17	210.2	10.57	8.49	29.33	0.05
2/22/21 12:30	14.41	214.4	7.519	8.54	29.33	0.04
2/22/21 12:45	14.96	205	8.83	8.6	29.33	0.03
2/22/21 13:00	14.51	208.7	9.58	8.69	29.31	0.02
2/22/21 13:15	14.96	204.9	9.25	8.73	29.31	0.01
2/22/21 13:30	16.85	201.4	8.88	8.75	29.31	0.01
2/22/21 13:45	19.08	196.9	8.85	8.69	29.31	0.01
2/22/21 14:00	18.26	200.7	13.54	8.61	29.28	0
2/22/21 14:15	15.56	214	9.75	8.62	29.28	0
2/22/21 14:30	14.5	209.4	10	8.73	29.28	0
2/22/21 14:45	13.16	199.5	10.58	9.16	29.28	0
2/22/21 15:00	14.59	183.3	13.08	8.88	29.28	0
2/22/21 15:15	15.94	198.5	11.08	8.78	29.28	0
2/22/21 15:30	14.83	208	9.02	8.97	29.28	0
2/22/21 15:45	16.02	213.2	10.42	8.89	29.28	0
2/22/21 16:00	20.27	216.7	9.35	8.91	29.27	0
2/22/21 16:15	17.33	217.6	10.34	9.08	29.27	0
2/22/21 16:30	16.88	221	11.55	9.37	29.27	0
2/22/21 16:45	17.24	217.8	10.19	9.23	29.27	0
2/22/21 17:00	9.85	216.7	14.4	9.02	29.26	0
2/22/21 17:15	11.14	224.3	12.3	8.76	29.26	0
2/22/21 17:30	17.54	225.7	10.75	8.15	29.26	0
2/22/21 17:45	14.98	218.9	8.33	7.75	29.26	0
2/22/21 18:00	12.01	215.4	9.97	7.364	29.29	0
2/22/21 18:15	12.22	220.3	14.46	7.106	29.29	0
2/22/21 18:30	12.17	211.4	13.91	6.968	29.29	0
2/22/21 18:45	10.23	223.8	16.58	6.705	29.29	0
2/22/21 19:00	13.93	223	10.01	6.43	29.32	0
2/22/21 19:15	15.65	217.4	8.02	6.206	29.32	0
2/22/21 19:30	13.74	219.8	10.01	5.968	29.32	0
2/22/21 19:45	15.9	218	9.96	5.818	29.32	0
2/22/21 20:00	12.64	217.8	10.69	5.65	29.37	0
2/22/21 20:15	9.69	212.1	13.51	5.514	29.37	0
2/22/21 20:30	9.21	205.2	11.03	5.37	29.37	0
2/22/21 20:45	10.13	196	12.77	5.084	29.37	0
2/22/21 21:00	9.26	176.8	9.9	4.939	29.38	0
2/22/21 21:15	8.64	182.3	16.72	5.007	29.38	0
2/22/21 21:30	9.37	190.8	9.76	5.009	29.38	0
2/22/21 21:45	10.66	201	7.484	4.953	29.38	0
2/22/21 22:00	12.81	207.2	10.37	4.945	29.41	0
2/22/21 22:15	11.8	214.1	10.58	4.88	29.41	0
2/22/21 22:30	10.81	222.1	11.09	4.862	29.41	0
2/22/21 22:45	8.1	225.4	15.24	4.879	29.41	0
2/22/21 23:00	8.81	214.1	16.64	4.866	29.43	0
2/22/21 23:15	9.95	214.9	11.15	4.818	29.43	0
2/22/21 23:30	7.488	212	14.46	4.793	29.43	0
2/22/21 23:45	7.512	188.7	12.28	4.732	29.43	0
2/23/21 0:00	9.06	203	9.77	4.633	29.43	0
2/23/21 0:15	11.64	205.2	13.31	4.501	29.43	0
2/23/21 0:30	5.382	169.9	16.38	4.34	29.43	0
2/23/21 0:45	5.847	167.7	12.53	4.207	29.43	0
2/23/21 1:00	7.817	176.5	10.13	4.177	29.46	0
2/23/21 1:15	8.22	175.8	10.23	4.123	29.46	0
2/23/21 1:30	6.513	162.8	9.79	4.016	29.46	0
2/23/21 1:45	8.37	172.4	9.52	4.017	29.46	0
2/23/21 2:00	7.554	162.2	9.49	3.902	29.49	0
2/23/21 2:15	7.735	168.3	11.03	3.901	29.49	0
2/23/21 2:30	8.44	180.7	6.798	3.901	29.49	0
2/23/21 2:45	7.334	187.4	9.63	3.734	29.49	0
2/23/21 3:00	7.525	169.1	12.31	3.615	29.48	0
2/23/21 3:15	7.325	147.1	9.68	3.613	29.48	0
2/23/21 3:30	7.502	153.3	9.57	3.579	29.48	0
2/23/21 3:45	7.745	151.8	9.24	3.556	29.48	0
2/23/21 4:00	8.81	182.5	15.46	3.624	29.46	0
2/23/21 4:15	8.09	183.7	10.81	3.712	29.46	0
2/23/21 4:30	8.45	187.9	12.54	3.721	29.46	0
2/23/21 4:45	8.92	196.7	12.39	3.755	29.46	0
2/23/21 5:00	6.637	188.8	14.13	3.725	29.47	0
2/23/21 5:15	7.313	179.1	10.35	3.747	29.47	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/23/21 5:30	7.212	181.5	11.72	3.793	29.47	0
2/23/21 5:45	7.295	169	12.66	3.736	29.47	0
2/23/21 6:00	8.06	173.8	11.73	3.655	29.48	0
2/23/21 6:15	8.88	177.8	8.7	3.607	29.48	0
2/23/21 6:30	9.1	180.2	9.82	3.638	29.48	0
2/23/21 6:45	8.54	187.5	9.39	3.624	29.48	0
2/23/21 7:00	7.22	185.5	11.23	3.662	29.49	0
2/23/21 7:15	8.39	190.7	10.51	3.726	29.49	0
2/23/21 7:30	9.53	197.9	8.48	3.791	29.49	0
2/23/21 7:45	9.19	192.8	10.03	3.804	29.49	0
2/23/21 8:00	9.45	189.9	9.39	3.835	29.49	0
2/23/21 8:15	9.24	185.6	8.04	3.842	29.49	0
2/23/21 8:30	10.13	193.8	9.37	3.918	29.49	0
2/23/21 8:45	10.5	194.2	7.985	3.963	29.49	0
2/23/21 9:00	13.18	201.2	8.5	4.001	29.48	0
2/23/21 9:15	10.63	197.4	9.69	4.044	29.48	0
2/23/21 9:30	10.1	190.4	11.41	4.05	29.48	0
2/23/21 9:45	10.1	193.2	9.98	4.182	29.48	0
2/23/21 10:00	10.8	196.3	8.14	4.346	29.47	0
2/23/21 10:15	10.22	192.9	10.23	4.537	29.47	0
2/23/21 10:30	9.84	203.4	11.52	4.757	29.47	0
2/23/21 10:45	13.54	219.8	11.33	5.11	29.47	0
2/23/21 11:00	14	234.4	11.36	5.448	29.48	0
2/23/21 11:15	15.52	235.5	10.65	5.77	29.48	0
2/23/21 11:30	15.17	230.9	12.4	5.923	29.48	0
2/23/21 11:45	16.86	229.5	10.8	6.196	29.48	0
2/23/21 12:00	15.3	232.9	13.32	6.496	29.44	0
2/23/21 12:15	15.71	230.6	12.08	6.804	29.44	0
2/23/21 12:30	15.48	235.6	15.09	7.205	29.44	0
2/23/21 12:45	19.48	240.3	12.49	6.935	29.44	0
2/23/21 13:00	19.05	235.8	13.13	6.93	29.43	0
2/23/21 13:15	16.53	234.4	13.27	6.76	29.43	0
2/23/21 13:30	15.26	231.1	9.74	6.718	29.43	0
2/23/21 13:45	16.14	225.3	11.05	6.693	29.43	0
2/23/21 14:00	17.11	233.1	12.27	6.403	29.41	0
2/23/21 14:15	17.28	236.9	9.03	6.578	29.41	0
2/23/21 14:30	14.92	236.3	10.45	6.533	29.41	0
2/23/21 14:45	14.67	221.1	10.98	6.226	29.41	0
2/23/21 15:00	11.55	235.7	15.27	6.032	29.42	0
2/23/21 15:15	6.503	336.1	99	5.11	29.42	0
2/23/21 15:30	3.613	27.15	43.21	3.128	29.42	0.01
2/23/21 15:45	4.044	236.4	63.82	3.849	29.42	0.01
2/23/21 16:00	3.484	54.32	83.9	3.771	29.42	0
2/23/21 16:15	3.634	80.1	19.05	3.192	29.42	0
2/23/21 16:30	3.518	148.7	26.81	3.391	29.42	0.01
2/23/21 16:45	6.486	182.1	12.29	3.42	29.42	0.01
2/23/21 17:00	4.199	170.5	21.92	2.929	29.41	0.01
2/23/21 17:15	1.686	74.04	10.01	2.722	29.41	0.01
2/23/21 17:30	1.557	90.5	12.26	2.609	29.41	0
2/23/21 17:45	4.241	173.5	30.9	2.416	29.41	0.02
2/23/21 18:00	4.9	194.6	9.93	2.089	29.42	0.03
2/23/21 18:15	3.008	184.7	18.42	1.781	29.42	0.03
2/23/21 18:30	3.782	206.3	7.187	1.289	29.42	0.03
2/23/21 18:45	3.76	140.9	47.58	0.925	29.42	0.03
2/23/21 19:00	1.898	43.13	18.56	0.693	29.44	0.01
2/23/21 19:15	1.256	138	6.299	0.363	29.44	0
2/23/21 19:30	5.424	145	12.1	0.126	29.44	0
2/23/21 19:45	2.895	149	9.63	0.178	29.44	0
2/23/21 20:00	2.451	85	38.89	0.162	29.48	0.01
2/23/21 20:15	1.899	36.92	62.59	0.08	29.48	0
2/23/21 20:30	1.287	58.37	22.22	0.172	29.48	0
2/23/21 20:45	2.662	90.8	43.66	0.256	29.48	0
2/23/21 21:00	3.393	67.81	70.07	0.651	29.51	0
2/23/21 21:15	10.34	13.22	12.07	1.223	29.51	0
2/23/21 21:30	10.93	8.59	15.07	1.252	29.51	0.01
2/23/21 21:45	7.538	5.321	20.82	1.167	29.51	0
2/23/21 22:00	4.212	334	20.68	1.223	29.53	0
2/23/21 22:15	1.634	9.65	24.68	1.145	29.53	0.01
2/23/21 22:30	1.327	311.7	55.76	1.032	29.53	0
2/23/21 22:45	2.105	243.4	20.06	1.269	29.53	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/23/21 23:00	3.259	243.4	9.39	1.126	29.53	0
2/23/21 23:15	1.965	306.9	44.4	0.83	29.53	0
2/23/21 23:30	4.343	270.1	4.71	0.805	29.53	0
2/23/21 23:45	4.518	275.8	5.529	0.865	29.53	0
2/24/21 0:00	4.337	248.8	14.86	0.874	29.55	0
2/24/21 0:15	1.397	157.6	28.73	0.648	29.55	0
2/24/21 0:30	2.038	99.7	21.17	0.296	29.55	0
2/24/21 0:45	3.394	124	15.46	0.212	29.55	0
2/24/21 1:00	3.937	157.2	6.727	-0.058	29.59	0
2/24/21 1:15	3.728	149.3	8.22	-0.272	29.59	0
2/24/21 1:30	4.059	158.4	11.43	-0.383	29.59	0
2/24/21 1:45	4.008	170.1	10.58	-0.375	29.59	0
2/24/21 2:00	3.968	170.5	8.85	-0.364	29.63	0
2/24/21 2:15	3.296	159.8	14.37	-0.376	29.63	0
2/24/21 2:30	2.344	152	16.31	-0.366	29.63	0
2/24/21 2:45	1.88	67.62	21.02	-0.384	29.63	0
2/24/21 3:00	0.217	42.36	8.16	-0.37	29.63	0
2/24/21 3:15	1.987	121.5	11.78	-0.256	29.63	0
2/24/21 3:30	1.588	89.6	30.13	-0.181	29.63	0
2/24/21 3:45	1.658	114.2	28.97	-0.095	29.63	0
2/24/21 4:00	0.03	137	0.009	-0.032	29.66	0
2/24/21 4:15	1.177	241.4	25.12	0.207	29.66	0
2/24/21 4:30	0.178	279	0.073	0.309	29.66	0
2/24/21 4:45	1.987	355.7	21.64	0.03	29.66	0
2/24/21 5:00	1.33	70.73	18.31	0.128	29.69	0
2/24/21 5:15	0.245	45.08	14.72	0.179	29.69	0
2/24/21 5:30	0.87	25.6	13.75	-0.047	29.69	0
2/24/21 5:45	2.412	139.1	5.535	0.221	29.69	0
2/24/21 6:00	2.286	158.5	28.43	0.261	29.68	0
2/24/21 6:15	4.071	150.9	7.019	0.249	29.68	0
2/24/21 6:30	1.868	134.3	20.57	0.24	29.68	0
2/24/21 6:45	0.72	51.4	28.25	0.241	29.68	0
2/24/21 7:00	1.534	11.66	25.71	0.073	29.69	0
2/24/21 7:15	0.982	14.34	7.539	0.164	29.69	0
2/24/21 7:30	0.102	0.097	0.032	0.329	29.69	0
2/24/21 7:45	0.454	55.52	10.53	1.074	29.69	0
2/24/21 8:00	0.97	90.3	13.35	1.427	29.72	0
2/24/21 8:15	2.096	1.091	13.56	0.715	29.72	0
2/24/21 8:30	2.91	28.93	10.86	0.836	29.72	0
2/24/21 8:45	2.46	29.01	9.92	0.675	29.72	0
2/24/21 9:00	1.495	34.18	9.07	1.399	29.73	0.01
2/24/21 9:15	0.468	26.57	3.933	2.411	29.73	0.01
2/24/21 9:30	1.476	128.3	31.53	2.847	29.73	0.01
2/24/21 9:45	2.435	172	15.1	2.497	29.73	0.01
2/24/21 10:00	2.268	201.5	20.84	3.158	29.75	0.01
2/24/21 10:15	3.019	205.6	21.37	3.358	29.75	0
2/24/21 10:30	4.317	180.8	20.72	3.46	29.75	0.01
2/24/21 10:45	4.47	175	22.4	3.851	29.75	0
2/24/21 11:00	5.703	141.6	22.25	3.857	29.74	0
2/24/21 11:15	6.41	147.1	17.22	4.108	29.74	0
2/24/21 11:30	6.075	146	12.25	4.19	29.74	0
2/24/21 11:45	4.918	127	21.41	4.168	29.74	0
2/24/21 12:00	4.456	127.1	36.05	4.736	29.76	0
2/24/21 12:15	3.411	66.03	28.92	5.023	29.76	0
2/24/21 12:30	4.197	66.96	16.24	4.927	29.76	0
2/24/21 12:45	2.871	55.95	51.58	5.321	29.76	0
2/24/21 13:00	3.074	170.8	44.69	5.595	29.73	0
2/24/21 13:15	2.838	81.6	35.84	5.742	29.73	0
2/24/21 13:30	3.599	125.3	42.27	5.932	29.73	0
2/24/21 13:45	3.481	160.1	54.04	6.399	29.73	0
2/24/21 14:00	3.819	233.6	24.12	6.259	29.72	0
2/24/21 14:15	2.66	211.4	38.9	6.348	29.72	0
2/24/21 14:30	3.38	200.1	52.85	6.535	29.72	0
2/24/21 14:45	4.752	225.6	21.01	6.337	29.72	0
2/24/21 15:00	3.685	269.2	20	6.502	29.72	0
2/24/21 15:15	2.471	264.6	63.32	6.924	29.72	0
2/24/21 15:30	2.778	208.7	22.71	6.725	29.72	0
2/24/21 15:45	1.937	185.5	40.45	6.867	29.72	0
2/24/21 16:00	1.778	191.1	41.32	6.9	29.72	0
2/24/21 16:15	4.583	179.7	18.95	6.656	29.72	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/24/21 16:30	4.426	163.9	16.2	6.431	29.72	0
2/24/21 16:45	3.019	142.5	20.66	6.128	29.72	0
2/24/21 17:00	4.671	130	10.98	5.753	29.69	0
2/24/21 17:15	4.311	129.9	9	5.567	29.69	0
2/24/21 17:30	4.49	133	5.692	5.321	29.69	0
2/24/21 17:45	4.321	123.9	5.59	5.253	29.69	0
2/24/21 18:00	3.9	111.9	11.53	5.03	29.66	0
2/24/21 18:15	3.618	107.3	5.488	4.798	29.66	0
2/24/21 18:30	3.197	112.6	5.677	4.624	29.66	0
2/24/21 18:45	3.961	119.3	3.496	4.516	29.66	0
2/24/21 19:00	3.346	144.3	11.98	4.026	29.64	0
2/24/21 19:15	3.642	140.1	11.88	3.851	29.64	0
2/24/21 19:30	4.928	138.5	11.05	3.597	29.64	0
2/24/21 19:45	5.346	125.8	6.886	3.521	29.64	0
2/24/21 20:00	5.351	142.3	10.54	3.632	29.62	0
2/24/21 20:15	6.028	140.1	7.595	3.723	29.62	0
2/24/21 20:30	5.776	155.2	11.17	3.41	29.62	0
2/24/21 20:45	5.335	146.5	10.2	3.21	29.62	0
2/24/21 21:00	5.618	148.6	7.167	3.334	29.61	0
2/24/21 21:15	4.623	162.9	11.6	3.415	29.61	0
2/24/21 21:30	6.307	146.3	16.99	3.07	29.61	0
2/24/21 21:45	6.931	129	7.237	3.534	29.61	0
2/24/21 22:00	6.535	135.1	9.02	3.719	29.57	0
2/24/21 22:15	5.788	139.1	8.81	3.64	29.57	0
2/24/21 22:30	5.623	142.3	12.74	3.567	29.57	0
2/24/21 22:45	5.554	154.8	12.59	3.492	29.57	0
2/24/21 23:00	4.385	159.4	13.38	3.524	29.53	0
2/24/21 23:15	4.762	160.8	12.62	3.279	29.53	0
2/24/21 23:30	4.751	166.1	14.75	3.243	29.53	0
2/24/21 23:45	5.104	164.7	18.68	3.313	29.53	0
2/25/21 0:00	5.272	152.6	13.06	3.565	29.52	0
2/25/21 0:15	4.5	130.2	11.38	3.612	29.52	0
2/25/21 0:30	4.138	175.4	15.86	3.756	29.52	0
2/25/21 0:45	5.269	178.1	22.95	3.466	29.52	0
2/25/21 1:00	9.49	151.2	15.13	3.77	29.48	0
2/25/21 1:15	12.2	134	8.98	4.072	29.48	0
2/25/21 1:30	11.24	133.7	8.59	4.331	29.48	0
2/25/21 1:45	12.47	148	14.75	4.452	29.48	0
2/25/21 2:00	12.37	175.9	9.02	4.095	29.43	0
2/25/21 2:15	14.77	181.9	9.82	3.837	29.43	0
2/25/21 2:30	12.02	179.7	12.56	3.38	29.43	0.01
2/25/21 2:45	13.32	171.8	10.41	3.303	29.43	0.01
2/25/21 3:00	13.51	174.2	8.69	3.134	29.4	0.01
2/25/21 3:15	12.32	171.1	10.35	2.918	29.4	0.02
2/25/21 3:30	9.68	151.1	9.42	2.656	29.4	0.01
2/25/21 3:45	10.29	146.7	7.414	2.3	29.4	0.02
2/25/21 4:00	9.11	142.3	7.365	2.031	29.33	0.02
2/25/21 4:15	9.04	146.5	7.379	1.849	29.33	0.02
2/25/21 4:30	8.28	136.4	10.83	1.306	29.33	0.01
2/25/21 4:45	7.469	128.1	8.19	0.654	29.33	0.01
2/25/21 5:00	8.44	122.5	7.237	0.53	29.31	0
2/25/21 5:15	8.22	114.9	9.26	0.683	29.31	0.02
2/25/21 5:30	8.06	105.8	10.08	1.148	29.31	0.01
2/25/21 5:45	5.989	94.7	10.93	1.559	29.31	0.01
2/25/21 6:00	4.638	103.3	15.95	1.986	29.3	0.01
2/25/21 6:15	5.85	132.9	15.07	2.464	29.3	0.01
2/25/21 6:30	4.99	164.4	16.77	2.536	29.3	0.01
2/25/21 6:45	4.269	130.8	15.5	2.414	29.3	0.01
2/25/21 7:00	7.703	139.4	18.35	2.59	29.29	0
2/25/21 7:15	8.8	165.4	12.89	2.848	29.29	0.01
2/25/21 7:30	9.56	174.7	14.26	3.149	29.29	0
2/25/21 7:45	3.925	108.4	63.4	3.254	29.29	0
2/25/21 8:00	5.792	181.6	62.1	3.583	29.32	0
2/25/21 8:15	8.87	175	37.12	3.978	29.32	0
2/25/21 8:30	9.15	204.5	11.62	4.168	29.32	0
2/25/21 8:45	9.98	201.3	11.07	4.352	29.32	0
2/25/21 9:00	7.975	206.3	16.38	4.507	29.32	0
2/25/21 9:15	9.45	194.3	13.99	4.504	29.32	0
2/25/21 9:30	10.63	199.7	14.95	4.645	29.32	0
2/25/21 9:45	10.82	200.7	14.6	4.865	29.32	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/25/21 10:00	13.15	208.3	10.61	4.983	29.3	0
2/25/21 10:15	14.17	204.5	10.38	5.111	29.3	0
2/25/21 10:30	14.47	212.1	12.28	5.174	29.3	0
2/25/21 10:45	16.36	213.9	10.13	5.367	29.3	0
2/25/21 11:00	19.36	215.3	10.62	5.626	29.24	0
2/25/21 11:15	20.16	210.6	7.759	5.668	29.24	0
2/25/21 11:30	21.3	211.3	10.57	5.55	29.24	0
2/25/21 11:45	20.07	206.6	10.54	5.443	29.24	0
2/25/21 12:00	22.36	207.1	12.36	5.495	29.26	0
2/25/21 12:15	16.12	201.2	8.37	5.416	29.26	0
2/25/21 12:30	15.39	204.7	9.34	5.631	29.26	0
2/25/21 12:45	18.47	203.2	11.36	5.968	29.26	0
2/25/21 13:00	19.26	199.3	8.82	5.717	29.24	0
2/25/21 13:15	18.89	200.2	8.48	5.688	29.24	0
2/25/21 13:30	17.05	207.9	10.79	5.622	29.24	0
2/25/21 13:45	13.27	205.8	9.91	5.661	29.24	0
2/25/21 14:00	14.89	215.5	10.37	5.911	29.25	0
2/25/21 14:15	12.97	226.4	13.41	6.024	29.25	0
2/25/21 14:30	13.38	233.8	11.77	6.194	29.25	0
2/25/21 14:45	19.26	231.4	11.95	6.555	29.25	0
2/25/21 15:00	19.35	225.2	12.85	6.476	29.23	0
2/25/21 15:15	16.17	223.1	12.13	6.09	29.23	0
2/25/21 15:30	17.13	226.4	12.02	6.052	29.23	0
2/25/21 15:45	17.84	230.6	12.43	5.747	29.23	0
2/25/21 16:00	14.24	238.8	10.11	5.549	29.24	0
2/25/21 16:15	14.47	237.4	12.96	5.435	29.24	0
2/25/21 16:30	15.93	228	10.68	5.556	29.24	0
2/25/21 16:45	16.08	228.3	9.14	5.637	29.24	0
2/25/21 17:00	15.14	234.7	10.56	5.508	29.25	0
2/25/21 17:15	14.51	236.8	9.96	5.474	29.25	0
2/25/21 17:30	11.52	224.4	12.32	5.442	29.25	0
2/25/21 17:45	13.56	221.8	8.88	5.379	29.25	0
2/25/21 18:00	12.73	216.4	9.39	5.193	29.22	0
2/25/21 18:15	10.55	213.8	8.86	5.078	29.22	0
2/25/21 18:30	10.36	211.4	11.55	4.966	29.22	0
2/25/21 18:45	11.15	222.8	14.73	4.818	29.22	0
2/25/21 19:00	11.07	217	14.6	4.641	29.22	0
2/25/21 19:15	8.71	216	17.85	4.54	29.22	0
2/25/21 19:30	10.76	206.8	12.75	4.465	29.22	0
2/25/21 19:45	11.14	201.4	11.36	4.41	29.22	0
2/25/21 20:00	9.41	186	10.46	4.327	29.23	0
2/25/21 20:15	10.67	191.3	9.51	4.279	29.23	0
2/25/21 20:30	10.91	198.4	11.15	4.249	29.23	0
2/25/21 20:45	13.09	203.1	13.33	4.213	29.23	0
2/25/21 21:00	14.53	199	10.45	4.141	29.2	0
2/25/21 21:15	13.9	203.6	10.31	4.182	29.2	0
2/25/21 21:30	13.93	193.2	12.95	4.271	29.2	0
2/25/21 21:45	13.75	205.4	12.56	4.284	29.2	0
2/25/21 22:00	13.41	199.1	10.92	4.298	29.17	0
2/25/21 22:15	13.26	193.5	15.67	4.337	29.17	0
2/25/21 22:30	13.78	197.7	12.87	4.334	29.17	0
2/25/21 22:45	18.88	204.5	11.5	4.366	29.17	0
2/25/21 23:00	17.11	204.4	11.49	4.339	29.15	0
2/25/21 23:15	15.33	201.1	13.09	4.329	29.15	0
2/25/21 23:30	16.3	208.2	11.68	4.345	29.15	0
2/25/21 23:45	19	208.9	10.47	4.301	29.15	0
2/26/21 0:00	17.19	210.8	10.12	4.288	29.14	0
2/26/21 0:15	15.66	207	10.96	4.302	29.14	0
2/26/21 0:30	13.13	201.3	12.15	4.291	29.14	0
2/26/21 0:45	14.03	203.9	13.64	4.309	29.14	0
2/26/21 1:00	15.98	205.7	8.88	4.271	29.1	0
2/26/21 1:15	16.65	201.2	9.92	4.118	29.1	0
2/26/21 1:30	14.63	197.9	11.03	4.071	29.1	0
2/26/21 1:45	15.92	206	10.34	3.942	29.1	0
2/26/21 2:00	16.02	210.7	10.33	3.95	29.05	0
2/26/21 2:15	16.93	226.6	8.91	4.2	29.05	0
2/26/21 2:30	15.97	228.6	9.83	4.406	29.05	0
2/26/21 2:45	15.68	231.6	10.38	4.437	29.05	0
2/26/21 3:00	15.26	238.2	9.19	4.553	29.03	0
2/26/21 3:15	13.26	243.6	10.52	4.663	29.03	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/26/21 3:30	13.25	243.1	11.71	4.682	29.03	0
2/26/21 3:45	11.69	259	10.9	4.593	29.03	0
2/26/21 4:00	10.71	263.6	10.67	4.424	29.04	0.01
2/26/21 4:15	8.65	275.3	14.25	3.909	29.04	0.03
2/26/21 4:30	8.49	239.2	12.92	3.657	29.04	0.01
2/26/21 4:45	9.43	252.5	8.87	3.423	29.04	0.01
2/26/21 5:00	8.4	263.3	9.96	3.41	29.04	0.01
2/26/21 5:15	6.198	266.5	10.32	3.395	29.04	0.01
2/26/21 5:30	7.362	258.7	8.35	3.349	29.04	0
2/26/21 5:45	5.78	242.2	8.89	3.298	29.04	0
2/26/21 6:00	3.414	247.6	11.41	3.308	29.07	0
2/26/21 6:15	4.037	244	9.03	3.296	29.07	0
2/26/21 6:30	5.691	227.7	15.71	3.22	29.07	0
2/26/21 6:45	6.434	229.5	15.75	3.173	29.07	0
2/26/21 7:00	6.258	255.6	20.12	3.071	29.09	0.01
2/26/21 7:15	5.386	233.9	15.17	3.039	29.09	0
2/26/21 7:30	4.252	194	24.42	2.929	29.09	0
2/26/21 7:45	3.551	161.1	18.26	2.699	29.09	0
2/26/21 8:00	2.095	131.2	47.38	2.677	29.12	0
2/26/21 8:15	2.791	82.6	21.1	2.639	29.12	0
2/26/21 8:30	5.252	119.7	14.01	2.676	29.12	0
2/26/21 8:45	5.094	88.7	21.3	2.714	29.12	0
2/26/21 9:00	5.269	123.6	18.14	2.759	29.15	0
2/26/21 9:15	7.218	147.4	14.16	2.951	29.15	0
2/26/21 9:30	4.875	126.8	13.69	3.334	29.15	0
2/26/21 9:45	4.042	98.4	25.82	3.34	29.15	0
2/26/21 10:00	4.513	112.7	14.71	3.34	29.16	0
2/26/21 10:15	5.367	114.3	16.14	3.602	29.16	0
2/26/21 10:30	4.372	120.2	17.97	3.808	29.16	0
2/26/21 10:45	5.782	122.3	12.17	3.96	29.16	0
2/26/21 11:00	4.837	120.2	13.12	4.327	29.19	0
2/26/21 11:15	3.345	126.8	18.66	4.662	29.19	0
2/26/21 11:30	4.454	118.8	18.82	4.751	29.19	0
2/26/21 11:45	5.413	126.8	12.89	5.043	29.19	0
2/26/21 12:00	6.463	132.3	17.42	5.487	29.19	0
2/26/21 12:15	7.158	142.4	11.94	5.75	29.19	0
2/26/21 12:30	8.55	158.2	20.11	6.177	29.19	0
2/26/21 12:45	6.958	161.5	15.43	6.362	29.19	0
2/26/21 13:00	7.156	153.5	18.46	6.526	29.18	0
2/26/21 13:15	6.527	144.5	20.83	6.684	29.18	0
2/26/21 13:30	7.216	146.6	14.88	6.912	29.18	0
2/26/21 13:45	4.254	111.3	19.43	7.237	29.18	0
2/26/21 14:00	3.494	90.6	23.75	7.06	29.16	0
2/26/21 14:15	4.635	64.94	17.46	6.932	29.16	0
2/26/21 14:30	3.01	96.5	34.78	7.464	29.16	0
2/26/21 14:45	5.26	189.5	81.5	8.09	29.16	0
2/26/21 15:00	10.59	213.7	8.25	8.18	29.14	0
2/26/21 15:15	9.22	194.2	39.88	7.282	29.14	0
2/26/21 15:30	1.956	15.61	42.04	7.607	29.14	0
2/26/21 15:45	7.646	193.2	34.49	7.934	29.14	0
2/26/21 16:00	5.557	270.4	70.62	7.419	29.13	0
2/26/21 16:15	16.54	15.64	14.25	4.429	29.13	0
2/26/21 16:30	15.08	17.6	12.18	3.398	29.13	0
2/26/21 16:45	14.16	17.44	13.81	3.257	29.13	0
2/26/21 17:00	11.23	358.7	18.29	3.271	29.1	0.02
2/26/21 17:15	10.79	3.329	16.96	2.635	29.1	0.03
2/26/21 17:30	9.34	23.97	12.42	2.586	29.1	0
2/26/21 17:45	4.443	68.74	21.31	2.829	29.1	0
2/26/21 18:00	2.716	136.4	19.99	3.112	29.1	0
2/26/21 18:15	2.731	188.8	33.4	3.185	29.1	0.01
2/26/21 18:30	4.903	145.7	8.48	2.978	29.1	0.01
2/26/21 18:45	2.906	180.7	30.07	2.475	29.1	0
2/26/21 19:00	3.874	186.5	17.31	2.035	29.1	0
2/26/21 19:15	3.992	152.3	10.07	1.731	29.1	0
2/26/21 19:30	4.395	104.7	16.21	1.713	29.1	0
2/26/21 19:45	4.018	72.9	26.08	1.74	29.1	0
2/26/21 20:00	3.078	72.52	13.51	1.883	29.1	0
2/26/21 20:15	1.827	69.05	26.47	2.699	29.1	0
2/26/21 20:30	2.763	17.79	26.64	2.517	29.1	0
2/26/21 20:45	2.444	55.69	13.16	2.737	29.1	0.01



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/26/21 21:00	1.625	39.81	16.83	3.314	29.12	0
2/26/21 21:15	1.606	48.78	16.07	2.655	29.12	0.02
2/26/21 21:30	7.142	1.026	15.87	2.35	29.12	0.01
2/26/21 21:45	6.987	37.2	15.25	1.711	29.12	0.03
2/26/21 22:00	5.877	2.841	19.25	1.606	29.16	0.01
2/26/21 22:15	5.579	32.01	31.19	1.295	29.16	0.01
2/26/21 22:30	6.647	27.48	22.96	1.192	29.16	0.01
2/26/21 22:45	4.169	30.97	71.91	1.72	29.16	0.01
2/26/21 23:00	3.365	21.19	19.89	1.624	29.17	0
2/26/21 23:15	4.146	37.29	18.89	1.414	29.17	0
2/26/21 23:30	4.216	209.4	58.02	1.398	29.17	0.01
2/26/21 23:45	6.455	172.6	32.31	1.429	29.17	0
2/27/21 0:00	5.778	92.3	24.92	1.017	29.19	0
2/27/21 0:15	3.577	108.5	9.96	0.754	29.19	0
2/27/21 0:30	3.919	127.6	19.1	0.527	29.19	0
2/27/21 0:45	4.33	185.6	11.75	0.987	29.19	0
2/27/21 1:00	5.381	189.9	7.424	0.758	29.22	0
2/27/21 1:15	5.089	165.8	8.71	0.625	29.22	0
2/27/21 1:30	1.691	29.1	28.46	0.327	29.22	0
2/27/21 1:45	3.942	43.41	9.39	0.326	29.22	0
2/27/21 2:00	2.47	60.34	17.07	0.47	29.26	0
2/27/21 2:15	2.281	106.8	37.75	0.529	29.26	0
2/27/21 2:30	1.827	84.5	29.44	0.464	29.26	0
2/27/21 2:45	2.938	114.1	17.77	0.509	29.26	0
2/27/21 3:00	3.804	138.9	12.34	0.592	29.25	0
2/27/21 3:15	3.799	128.2	8.26	0.778	29.25	0
2/27/21 3:30	2.795	103.7	6.567	0.907	29.25	0
2/27/21 3:45	2.399	115.8	10.33	0.875	29.25	0
2/27/21 4:00	2.047	113.6	11.35	0.969	29.29	0
2/27/21 4:15	2.292	116.3	10.95	0.991	29.29	0
2/27/21 4:30	2.684	109.1	13.88	1.148	29.29	0
2/27/21 4:45	2.272	95.1	44.96	1.188	29.29	0
2/27/21 5:00	3.269	90.9	27.99	0.856	29.32	0
2/27/21 5:15	2.354	106	11.28	1.004	29.32	0
2/27/21 5:30	2.778	131.6	10.5	1.412	29.32	0
2/27/21 5:45	2.017	80.6	41.56	1.135	29.32	0
2/27/21 6:00	1.614	90.8	23.49	1.508	29.34	0
2/27/21 6:15	1.697	248.3	61.2	1.442	29.34	0
2/27/21 6:30	1.508	241.3	33.84	1.327	29.34	0
2/27/21 6:45	1.448	230.8	50.19	1.389	29.34	0
2/27/21 7:00	0.461	75.88	40.45	1.161	29.35	0
2/27/21 7:15	1.66	29.14	22.87	0.985	29.35	0
2/27/21 7:30	1.079	9.4	13.92	0.942	29.35	0
2/27/21 7:45	0.936	9.85	5.969	1.391	29.35	0
2/27/21 8:00	0.597	34.59	5.388	1.594	29.38	0
2/27/21 8:15	0.068	30.26	1.402	1.641	29.38	0
2/27/21 8:30	1.279	14.49	14.16	1.835	29.38	0
2/27/21 8:45	0.246	354.1	19.77	2.098	29.38	0
2/27/21 9:00	0.116	226.3	13.12	2.686	29.42	0
2/27/21 9:15	0.534	141.2	15.98	2.869	29.42	0.01
2/27/21 9:30	0.507	67.99	8.73	3.207	29.42	0.01
2/27/21 9:45	1.176	75.16	10.98	3.222	29.42	0.02
2/27/21 10:00	1.401	107.4	32.74	3.987	29.43	0.03
2/27/21 10:15	2.34	133.4	17.35	4.006	29.43	0.02
2/27/21 10:30	2.409	166.3	38.61	4.326	29.43	0.02
2/27/21 10:45	1.608	197.8	27.49	4.134	29.43	0.01
2/27/21 11:00	2.805	186.5	26.95	4.689	29.42	0.01
2/27/21 11:15	2.995	181.2	31.5	4.615	29.42	0
2/27/21 11:30	1.617	105.4	51.41	4.649	29.42	0
2/27/21 11:45	2.868	33.82	8.21	4.551	29.42	0
2/27/21 12:00	2.409	70.94	20.58	4.924	29.45	0
2/27/21 12:15	3.249	95	19.41	5.092	29.45	0
2/27/21 12:30	3.43	120.2	18.27	5.057	29.45	0
2/27/21 12:45	4.028	127.8	19.29	5.034	29.45	0
2/27/21 13:00	3.434	133.5	13.72	5.394	29.45	0
2/27/21 13:15	3.494	94	39.99	5.967	29.45	0
2/27/21 13:30	3.98	103.4	26.62	6.126	29.45	0
2/27/21 13:45	3.53	84	18.42	5.965	29.45	0
2/27/21 14:00	3.979	62.78	13.23	5.647	29.45	0
2/27/21 14:15	4.543	40.53	30.52	6.194	29.45	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/27/21 14:30	6.482	131.7	16.91	6.819	29.45	0
2/27/21 14:45	4.235	125.9	18.04	6.572	29.45	0
2/27/21 15:00	1.681	78.36	28.38	6.991	29.46	0
2/27/21 15:15	1.962	28	34.03	7.161	29.46	0
2/27/21 15:30	3.119	93.6	25.62	6.613	29.46	0
2/27/21 15:45	2.754	111.1	33.49	6.482	29.46	0
2/27/21 16:00	2.589	128.1	16.5	6.495	29.45	0
2/27/21 16:15	3.313	97.1	12.48	6.723	29.45	0
2/27/21 16:30	5.258	89.7	8.63	6.624	29.45	0
2/27/21 16:45	3.004	66.62	16.4	6.397	29.45	0
2/27/21 17:00	0.746	48.67	13.8	6.39	29.44	0
2/27/21 17:15	2.779	94.1	16.24	6.083	29.44	0
2/27/21 17:30	2.44	98.1	5.876	6.117	29.44	0
2/27/21 17:45	1.741	84.3	17.94	5.911	29.44	0
2/27/21 18:00	1.156	106.1	27.05	5.982	29.42	0
2/27/21 18:15	0.078	98.2	0.934	5.909	29.42	0
2/27/21 18:30	1.605	136.4	12.89	5.893	29.42	0
2/27/21 18:45	1.64	122.4	8.81	5.607	29.42	0
2/27/21 19:00	2.295	101.5	12.25	5.305	29.45	0
2/27/21 19:15	1.182	116.7	43.79	4.952	29.45	0
2/27/21 19:30	2.902	188.2	17.08	5.321	29.45	0
2/27/21 19:45	3.381	159	8.79	4.923	29.45	0
2/27/21 20:00	3.759	156.7	11.95	4.765	29.45	0
2/27/21 20:15	4.65	153	13.93	4.831	29.45	0
2/27/21 20:30	5.789	160.9	17.78	4.819	29.45	0
2/27/21 20:45	7.074	173.9	7.76	5.223	29.45	0
2/27/21 21:00	9.14	179.5	8	5.369	29.45	0
2/27/21 21:15	9.27	175.8	7.265	5.323	29.45	0
2/27/21 21:30	9.63	180.6	8.57	5.329	29.45	0
2/27/21 21:45	7.499	182.4	8.15	5.27	29.45	0
2/27/21 22:00	7.918	183.9	7.997	5.271	29.48	0
2/27/21 22:15	7.574	185.3	7.14	5.263	29.48	0
2/27/21 22:30	7.162	183.1	9.98	5.166	29.48	0
2/27/21 22:45	9.29	185.2	15.17	4.896	29.48	0
2/27/21 23:00	9.82	177.6	13.97	4.54	29.47	0
2/27/21 23:15	8.61	184.5	7.361	4.167	29.47	0
2/27/21 23:30	7.917	181.3	11.23	3.89	29.47	0.01
2/27/21 23:45	5.113	157.7	17.89	3.657	29.47	0
2/28/21 0:00	4.938	133.8	9.2	3.342	29.47	0.01
2/28/21 0:15	5.951	132.7	12.16	3.232	29.47	0
2/28/21 0:30	5.307	114.4	8.27	3.022	29.47	0.01
2/28/21 0:45	6.115	118.6	6.952	2.838	29.47	0.01
2/28/21 1:00	7.532	116.9	8.27	2.771	29.46	0.01
2/28/21 1:15	7.526	108.6	9.81	2.615	29.46	0.01
2/28/21 1:30	6.962	105.4	8.82	2.438	29.46	0
2/28/21 1:45	6.879	104	9.41	2.394	29.46	0.01
2/28/21 2:00	6.698	105.2	10.7	2.376	29.46	0.02
2/28/21 2:15	7.058	101.9	7.529	2.445	29.46	0.01
2/28/21 2:30	6.685	111.5	11.8	2.669	29.46	0.01
2/28/21 2:45	6.183	120.2	7.605	2.933	29.46	0
2/28/21 3:00	5.255	115.2	7.306	3.082	29.45	0
2/28/21 3:15	6.151	122.8	7.386	3.278	29.45	0.01
2/28/21 3:30	6.095	130.7	7.124	3.299	29.45	0
2/28/21 3:45	6.492	129	7.517	3.341	29.45	0
2/28/21 4:00	6.776	126	8.31	3.456	29.45	0
2/28/21 4:15	5.251	125.8	9.76	3.568	29.45	0
2/28/21 4:30	5.384	139.5	6.665	3.71	29.45	0
2/28/21 4:45	5.848	141.3	6.829	3.852	29.45	0
2/28/21 5:00	7.554	144.3	5.8	3.963	29.46	0
2/28/21 5:15	6.329	138.3	6.039	3.979	29.46	0
2/28/21 5:30	5.494	138	6.41	3.992	29.46	0
2/28/21 5:45	6.304	141.5	8.83	4.065	29.46	0
2/28/21 6:00	4.589	128.6	7.936	4.083	29.48	0
2/28/21 6:15	3.755	124.3	9.13	4.11	29.48	0
2/28/21 6:30	6.158	140.5	7.435	4.285	29.48	0
2/28/21 6:45	6.926	135.1	7.448	4.357	29.48	0
2/28/21 7:00	6.296	134.2	7.764	4.403	29.48	0
2/28/21 7:15	5.552	130.9	7.811	4.455	29.48	0
2/28/21 7:30	5.112	128.8	7.721	4.511	29.48	0
2/28/21 7:45	5.014	132.1	8.04	4.619	29.48	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/28/21 8:00	4.619	128.1	9.55	4.639	29.48	0
2/28/21 8:15	3.726	116.9	10.15	4.657	29.48	0
2/28/21 8:30	4.218	125	10.25	4.766	29.48	0
2/28/21 8:45	4.604	132.7	9.17	4.94	29.48	0
2/28/21 9:00	5.433	131.1	11.97	5.089	29.48	0
2/28/21 9:15	4.372	112.8	10.47	5.172	29.48	0
2/28/21 9:30	4.494	98.9	7.734	5.188	29.48	0
2/28/21 9:45	5.114	106.1	7.506	5.381	29.48	0
2/28/21 10:00	5.54	116.8	7.489	5.639	29.5	0
2/28/21 10:15	5.931	121.9	9.22	5.708	29.5	0
2/28/21 10:30	6.068	124.3	10.96	5.743	29.5	0
2/28/21 10:45	5.773	117.2	8.62	5.884	29.5	0.01
2/28/21 11:00	5.238	118.8	11.06	6.158	29.47	0
2/28/21 11:15	4.886	111.2	21.38	6.473	29.47	0
2/28/21 11:30	4.53	91.1	15.19	6.32	29.47	0
2/28/21 11:45	3.591	103.6	14.79	6.68	29.47	0
2/28/21 12:00	3.744	113.1	17.07	7.102	29.49	0
2/28/21 12:15	4.606	133.6	14.22	7.258	29.49	0
2/28/21 12:30	4.056	131.1	10.45	7.535	29.49	0
2/28/21 12:45	4.726	129.4	9.71	7.77	29.49	0
2/28/21 13:00	3.969	111.4	20.17	7.793	29.47	0
2/28/21 13:15	4.429	127.8	34.25	8.16	29.47	0
2/28/21 13:30	3.756	81.4	17.84	7.818	29.47	0
2/28/21 13:45	3.355	76.41	15.18	7.776	29.47	0
2/28/21 14:00	3.716	72.21	13.98	7.828	29.45	0
2/28/21 14:15	3.331	80.8	10.14	8.01	29.45	0
2/28/21 14:30	2.514	87.2	14.15	8.32	29.45	0
2/28/21 14:45	2.742	99.8	14.76	8.89	29.45	0
2/28/21 15:00	3.309	83.4	13.56	8.94	29.43	0
2/28/21 15:15	3.001	145.3	40.06	9.23	29.43	0
2/28/21 15:30	6.2	176.8	13.45	9.45	29.43	0
2/28/21 15:45	7.87	178	11.47	9.36	29.43	0
2/28/21 16:00	6.18	169.8	16.11	9.49	29.4	0
2/28/21 16:15	5.387	178.3	13.72	9.48	29.4	0
2/28/21 16:30	6.312	165.2	15.68	9.39	29.4	0
2/28/21 16:45	6.806	128.1	8.2	8.73	29.4	0
2/28/21 17:00	5.532	120.7	12.04	8.5	29.41	0
2/28/21 17:15	6.689	119	9.43	8.19	29.41	0
2/28/21 17:30	7.556	123.9	8.17	8.04	29.41	0
2/28/21 17:45	7.167	122.1	8.17	7.973	29.41	0
2/28/21 18:00	6.481	123.9	9.62	7.935	29.39	0
2/28/21 18:15	6.223	123.6	9.73	7.909	29.39	0
2/28/21 18:30	6.438	122.5	8.66	7.862	29.39	0
2/28/21 18:45	5.482	135.2	13.81	7.866	29.39	0
2/28/21 19:00	5.945	144	8.98	7.782	29.36	0
2/28/21 19:15	6.659	133.7	9.87	7.775	29.36	0
2/28/21 19:30	6.778	127	7.994	7.696	29.36	0
2/28/21 19:45	5.962	126.3	8.8	7.613	29.36	0
2/28/21 20:00	5.806	139.8	15.85	7.545	29.34	0
2/28/21 20:15	6.03	144.9	11.66	7.07	29.34	0
2/28/21 20:30	6.193	131.6	10.87	7.005	29.34	0
2/28/21 20:45	4.229	135.6	14.47	6.911	29.34	0
2/28/21 21:00	4.45	147.9	10.24	6.793	29.34	0
2/28/21 21:15	3.822	154.3	15.22	6.773	29.34	0
2/28/21 21:30	4.327	154.2	13.51	6.455	29.34	0
2/28/21 21:45	4.426	148.5	12.01	6.317	29.34	0
2/28/21 22:00	5.372	147.5	12.05	6.018	29.32	0
2/28/21 22:15	6.141	139.9	8.35	5.962	29.32	0
2/28/21 22:30	6.317	132.6	8.95	6.19	29.32	0
2/28/21 22:45	6.904	140	8.27	6.168	29.32	0
2/28/21 23:00	7.776	133.1	8.32	6.024	29.31	0
2/28/21 23:15	7.054	131.3	9.65	6.062	29.31	0
2/28/21 23:30	6.491	118.4	9.97	5.954	29.31	0
2/28/21 23:45	6.334	111.9	7.26	5.935	29.31	0
3/1/21 0:00	5.087	119	6.806	5.902	29.27	0
3/1/21 0:15	4.363	137.8	8.44	5.747	29.27	0
3/1/21 0:30	4.578	150.2	8.57	5.665	29.27	0
3/1/21 0:45	3.96	142.3	5.349	5.548	29.27	0
3/1/21 1:00	3.626	141.6	9.26	5.129	29.28	0
3/1/21 1:15	3.979	144.8	8.96	5.074	29.28	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/1/21 1:30	1.948	86.7	36.03	4.823	29.28	0
3/1/21 1:45	2.471	40.81	27.28	4.489	29.28	0
3/1/21 2:00	2.787	69.62	42.96	4.45	29.28	0
3/1/21 2:15	2.139	65.58	18.75	4.906	29.28	0
3/1/21 2:30	2.353	63.68	18.6	5.454	29.28	0
3/1/21 2:45	2.551	130.7	17.26	5.43	29.28	0
3/1/21 3:00	2.526	115.7	20.81	6.096	29.27	0
3/1/21 3:15	3.626	142.3	16	5.233	29.27	0
3/1/21 3:30	4.932	142.3	7.515	5.136	29.27	0
3/1/21 3:45	3.96	161	19.08	4.86	29.27	0
3/1/21 4:00	4.869	166.6	8.53	4.319	29.25	0
3/1/21 4:15	4.668	172.3	9.53	4.271	29.25	0
3/1/21 4:30	4.409	196	7.752	4.131	29.25	0
3/1/21 4:45	4.233	195.2	9.06	4.09	29.25	0
3/1/21 5:00	4.393	182.8	15.11	4.089	29.24	0
3/1/21 5:15	4.732	172.4	13.59	4.03	29.24	0
3/1/21 5:30	3.665	176.9	14.26	3.963	29.24	0
3/1/21 5:45	2.537	149.8	18.04	3.943	29.24	0
3/1/21 6:00	2.423	144.4	23.94	4.391	29.22	0
3/1/21 6:15	1.078	108.2	7.589	4.552	29.22	0
3/1/21 6:30	1.54	150.9	21.15	4.255	29.22	0
3/1/21 6:45	2.332	147.4	16.44	4.57	29.22	0
3/1/21 7:00	4.762	187.5	11.01	4.081	29.21	0
3/1/21 7:15	4.912	177.9	5.11	3.912	29.21	0
3/1/21 7:30	4.399	172.9	9.7	3.968	29.21	0
3/1/21 7:45	3.468	136.1	16.1	4.093	29.21	0
3/1/21 8:00	2.219	148.4	36.66	4.61	29.21	0
3/1/21 8:15	0.847	113.9	25.43	5.087	29.21	0
3/1/21 8:30	0.861	312.2	19.9	5.373	29.21	0
3/1/21 8:45	3.25	338.4	7.131	5.814	29.21	0
3/1/21 9:00	2.263	324	20.74	6.087	29.23	0
3/1/21 9:15	0.645	325.4	53.72	6.55	29.23	0
3/1/21 9:30	1.897	225.4	28.58	6.431	29.23	0
3/1/21 9:45	1.35	162.3	50.23	6.966	29.23	0
3/1/21 10:00	4.01	286.3	15.4	6.948	29.25	0
3/1/21 10:15	2.051	323.3	46.02	7.4	29.25	0
3/1/21 10:30	2.117	145.8	23.4	8.57	29.25	0
3/1/21 10:45	2.654	157.5	40.7	9.08	29.25	0
3/1/21 11:00	5.317	217.9	12.48	8.93	29.26	0
3/1/21 11:15	4.068	233	29.14	9.65	29.26	0
3/1/21 11:30	2.621	286.6	16.92	10.1	29.26	0
3/1/21 11:45	2.182	198.2	29.76	10.11	29.26	0
3/1/21 12:00	3.75	186.1	21.93	10.5	29.25	0
3/1/21 12:15	2.944	179.8	27.96	10.68	29.25	0
3/1/21 12:30	4.244	181.5	17.98	10.92	29.25	0
3/1/21 12:45	4.49	166.4	31.37	11.31	29.25	0
3/1/21 13:00	4.292	171.9	38.53	11.54	29.24	0
3/1/21 13:15	4.19	190.5	24.33	11.9	29.24	0
3/1/21 13:30	3.615	159.9	32.14	12.24	29.24	0
3/1/21 13:45	4.965	192.5	32.78	12.6	29.24	0
3/1/21 14:00	5.148	166.3	23.26	12.88	29.22	0
3/1/21 14:15	6.149	213.1	19.06	13.12	29.22	0
3/1/21 14:30	7.208	212.9	18.36	13.14	29.22	0
3/1/21 14:45	9.67	208.4	13.5	13.21	29.22	0
3/1/21 15:00	9.91	187.2	11.64	13.23	29.21	0
3/1/21 15:15	8.44	205.8	12.63	13.3	29.21	0
3/1/21 15:30	8.98	206.1	10.85	13.32	29.21	0
3/1/21 15:45	8.16	221.4	11.97	13.23	29.21	0
3/1/21 16:00	6.261	220.9	17.13	13.41	29.23	0
3/1/21 16:15	5.693	223.7	10.25	13.32	29.23	0
3/1/21 16:30	5.707	219.6	15.81	12.89	29.23	0
3/1/21 16:45	6.934	209.3	6.441	12.83	29.23	0
3/1/21 17:00	5.928	210.5	5.389	12.37	29.22	0
3/1/21 17:15	5.721	215.1	6.17	12.18	29.22	0
3/1/21 17:30	4.41	219.2	6.428	12.08	29.22	0
3/1/21 17:45	5.284	225	6.38	11.97	29.22	0
3/1/21 18:00	5.121	216.5	9.13	11.82	29.24	0
3/1/21 18:15	3.679	178.5	17.33	11.39	29.24	0
3/1/21 18:30	2.181	193.5	15.72	11.29	29.24	0
3/1/21 18:45	1.891	125	19.16	11.16	29.24	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/1/21 19:00	2.682	132.7	18.19	10.87	29.25	0
3/1/21 19:15	2.644	166.7	12.38	10.98	29.25	0
3/1/21 19:30	2.474	166.6	13.37	11.1	29.25	0
3/1/21 19:45	2.421	189.1	15.52	10.97	29.25	0
3/1/21 20:00	3.464	201.8	12.12	10.47	29.26	0
3/1/21 20:15	4.297	205.6	11.55	10.1	29.26	0
3/1/21 20:30	2.591	192.7	18.15	10.04	29.26	0
3/1/21 20:45	2.876	219.2	17.86	9.95	29.26	0
3/1/21 21:00	2.287	182.7	16.27	9.64	29.25	0
3/1/21 21:15	4.975	190.1	10.67	9.05	29.25	0
3/1/21 21:30	4.753	175.7	8.19	8.28	29.25	0
3/1/21 21:45	2.32	97.6	42.12	7.913	29.25	0
3/1/21 22:00	1.713	104.6	33.57	7.519	29.25	0
3/1/21 22:15	2.551	146.3	16.81	7.96	29.25	0
3/1/21 22:30	2.182	107.4	24.89	7.787	29.25	0
3/1/21 22:45	2.875	108.8	28.43	7.241	29.25	0
3/1/21 23:00	4.731	124.2	8.64	7.36	29.26	0
3/1/21 23:15	5.365	137.1	8.28	7.411	29.26	0
3/1/21 23:30	6.144	136.2	5.629	7.39	29.26	0
3/1/21 23:45	4.441	158.4	22.49	7.378	29.26	0
3/2/21 0:00	3.532	167.2	15.3	7.227	29.27	0
3/2/21 0:15	3.222	110.2	15.61	6.916	29.27	0
3/2/21 0:30	3.558	100.1	16.25	6.711	29.27	0
3/2/21 0:45	5.981	132.4	5.962	6.366	29.27	0
3/2/21 1:00	6.493	129.3	6.115	6.301	29.25	0
3/2/21 1:15	5.471	130.2	6.348	6.244	29.25	0
3/2/21 1:30	1.655	123.3	21.91	6.478	29.25	0
3/2/21 1:45	2.239	186.7	28.66	6.859	29.25	0
3/2/21 2:00	2.371	221.8	18.47	6.817	29.25	0
3/2/21 2:15	2.177	250.3	18.27	6.875	29.25	0
3/2/21 2:30	4.417	282	9.66	6.47	29.25	0
3/2/21 2:45	4.221	290.6	18.69	6.517	29.25	0
3/2/21 3:00	2.606	333.9	58.63	5.743	29.26	0
3/2/21 3:15	2.594	27.92	11.56	5.104	29.26	0
3/2/21 3:30	1.612	20.12	9.28	5.089	29.26	0
3/2/21 3:45	1.182	23.04	9.63	5.045	29.26	0
3/2/21 4:00	0.942	47.02	5.099	4.968	29.24	0
3/2/21 4:15	1.231	189	28.69	5.119	29.24	0
3/2/21 4:30	3.154	204.2	20.17	5.487	29.24	0
3/2/21 4:45	2.84	196.2	17.87	5.465	29.24	0
3/2/21 5:00	4.322	194	10.67	5.494	29.25	0
3/2/21 5:15	3.085	183.7	22.77	5.346	29.25	0
3/2/21 5:30	2.561	184.3	11.28	5.291	29.25	0
3/2/21 5:45	1.718	173.9	21.75	5.253	29.25	0
3/2/21 6:00	2.051	123.7	9.81	5.225	29.24	0
3/2/21 6:15	1.712	176.8	27.62	5.299	29.24	0
3/2/21 6:30	1.663	227.8	9.64	5.331	29.24	0
3/2/21 6:45	1.963	236.7	8.98	5.3	29.24	0
3/2/21 7:00	2.618	243	15.75	5.164	29.23	0
3/2/21 7:15	1.24	303.6	17.29	5.052	29.23	0
3/2/21 7:30	1.16	328.9	7.547	5	29.23	0
3/2/21 7:45	1.521	5.419	26.46	4.832	29.23	0
3/2/21 8:00	0.901	355.2	16.54	4.727	29.24	0
3/2/21 8:15	2.016	326.7	15.45	4.809	29.24	0.01
3/2/21 8:30	2.341	38.6	11.9	4.687	29.24	0
3/2/21 8:45	2.624	29.56	4.652	4.588	29.24	0
3/2/21 9:00	4.586	24.9	9.44	4.449	29.24	0
3/2/21 9:15	5.715	20.37	10.58	4.192	29.24	0
3/2/21 9:30	3.547	11.84	13.05	4.146	29.24	0
3/2/21 9:45	3.1	37.41	12.72	4.114	29.24	0
3/2/21 10:00	3.288	14.79	12.89	4.169	29.26	0
3/2/21 10:15	2.48	8.03	17.26	4.288	29.26	0.01
3/2/21 10:30	2.922	16.97	9.77	4.272	29.26	0.01
3/2/21 10:45	3.313	19.43	10.43	4.234	29.26	0
3/2/21 11:00	4.106	28.23	8.81	4.281	29.25	0
3/2/21 11:15	3.396	28.14	9.69	4.023	29.25	0
3/2/21 11:30	1.316	22.01	42.32	4.141	29.25	0
3/2/21 11:45	2.187	192.4	36.31	4.782	29.25	0
3/2/21 12:00	3.477	175.8	9.09	5.104	29.23	0
3/2/21 12:15	4.186	206.1	15.8	5.231	29.23	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/2/21 12:30	5.638	268.8	14.69	5.079	29.23	0
3/2/21 12:45	3.417	259.8	11.13	5.204	29.23	0
3/2/21 13:00	2.112	232.1	28.54	5.491	29.23	0
3/2/21 13:15	2.438	268.8	26.8	5.796	29.23	0
3/2/21 13:30	1.432	290.9	25.32	6.11	29.23	0
3/2/21 13:45	1.592	303.7	33.66	6.228	29.23	0
3/2/21 14:00	2.465	41.93	12.43	5.562	29.2	0
3/2/21 14:15	3.164	46.58	10.25	5.643	29.2	0
3/2/21 14:30	3.69	40.45	6.785	5.833	29.2	0
3/2/21 14:45	3.982	43.95	8.61	5.9	29.2	0
3/2/21 15:00	3.112	41.45	8.53	6.054	29.16	0
3/2/21 15:15	2.602	37.86	12.56	6.295	29.16	0
3/2/21 15:30	2.995	29.81	13.25	6.433	29.16	0
3/2/21 15:45	2.752	47.06	14.49	6.6	29.16	0
3/2/21 16:00	2.616	31.68	16.34	6.932	29.14	0
3/2/21 16:15	1.955	52.16	33.46	7.093	29.14	0
3/2/21 16:30	3.811	29.43	22.9	6.68	29.14	0
3/2/21 16:45	4.007	8.27	10.11	6.571	29.14	0
3/2/21 17:00	4.964	27.34	11.44	6.2	29.12	0
3/2/21 17:15	3.116	20.04	10.45	5.864	29.12	0
3/2/21 17:30	2.964	19.51	12.18	5.636	29.12	0
3/2/21 17:45	3.861	49.27	10.99	5.548	29.12	0
3/2/21 18:00	3.438	20.61	13.29	5.257	29.14	0
3/2/21 18:15	3.607	28.29	11.99	5.121	29.14	0
3/2/21 18:30	3.841	40.55	6.406	5.144	29.14	0
3/2/21 18:45	2.112	30.12	15.28	5.191	29.14	0
3/2/21 19:00	2.579	31.74	10.07	4.924	29.11	0
3/2/21 19:15	3.54	19.89	9	5.127	29.11	0
3/2/21 19:30	2.85	26.27	4.035	4.912	29.11	0
3/2/21 19:45	3.335	15.84	5.16	4.714	29.11	0
3/2/21 20:00	3.752	29.06	11.92	4.748	29.13	0
3/2/21 20:15	3.068	38.99	6.456	4.95	29.13	0
3/2/21 20:30	2.751	28.24	9.78	5.095	29.13	0
3/2/21 20:45	0.791	36.37	7.73	5.098	29.13	0
3/2/21 21:00	0.657	56	1.375	5.26	29.1	0
3/2/21 21:15	1.672	119	27.35	4.977	29.1	0
3/2/21 21:30	1.724	163.5	20.92	5.134	29.1	0
3/2/21 21:45	2.537	147.4	18.21	5.317	29.1	0
3/2/21 22:00	1.386	160.8	9.35	4.841	29.09	0
3/2/21 22:15	0.946	261.5	16.61	4.715	29.09	0
3/2/21 22:30	3.631	204.8	16.19	4.838	29.09	0
3/2/21 22:45	2.587	172.5	6.617	4.838	29.09	0
3/2/21 23:00	1.859	134.5	25.28	4.494	29.1	0
3/2/21 23:15	3.55	172.6	10.6	4.623	29.1	0
3/2/21 23:30	3.573	158.6	6.348	4.544	29.1	0
3/2/21 23:45	3.421	153.9	6.046	4.417	29.1	0
3/3/21 0:00	4.62	164.1	6.318	4.188	29.09	0
3/3/21 0:15	4.404	154.9	8.86	3.925	29.09	0
3/3/21 0:30	1.601	137.5	17	3.716	29.09	0
3/3/21 0:45	1.38	102.4	22.16	3.802	29.09	0
3/3/21 1:00	1.092	107.2	22.01	3.46	29.08	0
3/3/21 1:15	1.483	121.2	7.991	3.333	29.08	0
3/3/21 1:30	2.031	135.1	15.27	3.491	29.08	0
3/3/21 1:45	1.51	105.1	21.14	3.379	29.08	0
3/3/21 2:00	2.36	126.8	7.401	3.306	29.08	0
3/3/21 2:15	2.472	124.6	6.95	3.101	29.08	0
3/3/21 2:30	2.989	120	2.577	3.02	29.08	0
3/3/21 2:45	3.619	128.5	12.53	2.647	29.08	0
3/3/21 3:00	2.204	129.9	9.68	2.842	29.06	0
3/3/21 3:15	2.201	157.5	16.81	2.484	29.06	0
3/3/21 3:30	2.485	119.1	13.8	2.574	29.06	0
3/3/21 3:45	3.643	122.7	4.857	2.79	29.06	0
3/3/21 4:00	4.195	144	11.61	2.442	29.05	0
3/3/21 4:15	4.726	152.1	8.35	2.311	29.05	0
3/3/21 4:30	2.972	145	17.86	2.227	29.05	0
3/3/21 4:45	1.045	129.9	19.34	1.762	29.05	0
3/3/21 5:00	1.53	89.5	17.52	1.976	29.03	0
3/3/21 5:15	2.038	103.2	19.71	1.947	29.03	0
3/3/21 5:30	2.376	100.1	12.43	1.826	29.03	0
3/3/21 5:45	1.896	130.7	21.15	1.838	29.03	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/3/21 6:00	2.641	155.9	10.34	2.226	29.03	0
3/3/21 6:15	3.814	170.4	9.23	1.933	29.03	0
3/3/21 6:30	3.161	153.3	8.94	1.772	29.03	0
3/3/21 6:45	1.851	112.9	18.25	1.735	29.03	0
3/3/21 7:00	1.524	112	9.46	1.782	29.03	0
3/3/21 7:15	1.872	95.3	13.04	1.729	29.03	0
3/3/21 7:30	3.814	98.7	23.28	2.037	29.03	0
3/3/21 7:45	4.591	137.3	15.51	3.069	29.03	0
3/3/21 8:00	3.007	166	13.75	3.351	29.01	0
3/3/21 8:15	2.933	163.4	10.97	2.883	29.01	0
3/3/21 8:30	3.481	150.3	12.2	3.401	29.01	0
3/3/21 8:45	2.34	97.6	26.26	4.348	29.01	0
3/3/21 9:00	0.765	47.2	26.97	4.704	29.02	0
3/3/21 9:15	0.792	91.8	27.84	5.886	29.02	0
3/3/21 9:30	1.822	16.82	16.28	5.875	29.02	0
3/3/21 9:45	1.792	16.03	21.18	6.017	29.02	0
3/3/21 10:00	1.532	45.98	28.08	6.903	29	0
3/3/21 10:15	1.517	48.54	46.61	7.629	29	0
3/3/21 10:30	1.953	30.68	15.73	7.876	29	0
3/3/21 10:45	2.131	1.176	18.25	8.05	29	0
3/3/21 11:00	2.873	342.4	29.34	8.58	29.01	0
3/3/21 11:15	2.61	356.2	21.95	9.12	29.01	0
3/3/21 11:30	3.011	5.939	18.42	9.63	29.01	0
3/3/21 11:45	3.692	17.64	16.29	9.7	29.01	0
3/3/21 12:00	2.935	0.527	20.78	10.16	29	0
3/3/21 12:15	2.145	337.9	36.98	10.71	29	0
3/3/21 12:30	3.089	8.01	22.55	10.8	29	0
3/3/21 12:45	2.376	355.1	21.81	11.28	29	0
3/3/21 13:00	3.257	278.4	34.27	11.94	28.96	0
3/3/21 13:15	3.931	286.3	25.51	12.04	28.96	0
3/3/21 13:30	4.398	262.2	19.14	12.17	28.96	0
3/3/21 13:45	4.596	268.6	20.37	12.41	28.96	0
3/3/21 14:00	4.018	268.2	16.75	12.73	28.96	0
3/3/21 14:15	3.299	277.1	15.56	13.08	28.96	0
3/3/21 14:30	4.388	299.3	17.59	13.3	28.96	0
3/3/21 14:45	5.256	285.4	22.55	13.68	28.96	0
3/3/21 15:00	5.739	276.4	22.3	13.6	28.95	0
3/3/21 15:15	4.196	294.8	17.71	13.63	28.95	0
3/3/21 15:30	3.797	283.4	15.48	13.77	28.95	0
3/3/21 15:45	5.548	270.4	12.99	13.8	28.95	0
3/3/21 16:00	5.891	270.2	10.11	13.72	28.93	0
3/3/21 16:15	6.381	265.5	15.26	13.56	28.93	0
3/3/21 16:30	6.215	278.4	15.56	13.45	28.93	0
3/3/21 16:45	6.142	286.1	10.56	13.2	28.93	0
3/3/21 17:00	5.54	291.9	9.09	12.94	28.94	0
3/3/21 17:15	5.864	294.5	6.537	12.41	28.94	0
3/3/21 17:30	5.952	296.4	5.933	11.89	28.94	0
3/3/21 17:45	6.399	291.1	4.519	11.41	28.94	0
3/3/21 18:00	5.959	293.1	4.503	10.66	28.93	0
3/3/21 18:15	5.803	302.4	5.615	10.22	28.93	0
3/3/21 18:30	6.336	304.4	4.112	9.9	28.93	0
3/3/21 18:45	4.701	323.3	10.43	9.81	28.93	0
3/3/21 19:00	4.106	331.7	5.186	10.15	28.94	0
3/3/21 19:15	4.039	331.8	6.39	10.07	28.94	0
3/3/21 19:30	3.798	340.1	6.895	9.99	28.94	0
3/3/21 19:45	3.315	352.3	10.58	9.66	28.94	0
3/3/21 20:00	2.368	26.65	9.91	8.55	28.95	0
3/3/21 20:15	2.609	64.77	7.424	8.17	28.95	0
3/3/21 20:30	2.864	85.4	6.519	8.03	28.95	0
3/3/21 20:45	3.116	82.6	6.871	7.704	28.95	0
3/3/21 21:00	2.601	144.9	25.16	7.916	28.98	0
3/3/21 21:15	2.798	154.2	32.35	7.871	28.98	0
3/3/21 21:30	3.882	252	12.32	6.531	28.98	0
3/3/21 21:45	5.96	233.4	5.333	5.946	28.98	0
3/3/21 22:00	5.423	189.2	15.77	6.676	29	0
3/3/21 22:15	3.671	146.1	25.89	6.219	29	0
3/3/21 22:30	2.66	90.8	10.56	5.669	29	0
3/3/21 22:45	3.209	96	11.05	5.074	29	0
3/3/21 23:00	3.181	156	38.23	4.931	29.02	0
3/3/21 23:15	5.712	172.8	10.71	4.563	29.02	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/3/21 23:30	5.726	149.8	11.43	4.429	29.02	0
3/3/21 23:45	5.591	130.2	5.999	4.164	29.02	0
3/4/21 0:00	5.923	130.4	5.772	4.116	29.03	0
3/4/21 0:15	7.045	130.3	5.626	4.182	29.03	0
3/4/21 0:30	6.439	131	5.359	4.107	29.03	0
3/4/21 0:45	5.321	165.4	10.9	4.354	29.03	0
3/4/21 1:00	4.245	201.6	37.71	4.027	29.02	0
3/4/21 1:15	2.384	285.1	35.91	4.013	29.02	0
3/4/21 1:30	1.914	308	17.22	4.271	29.02	0
3/4/21 1:45	2.04	256.6	26.79	4.271	29.02	0
3/4/21 2:00	2.755	164.1	37.04	4.178	29.04	0
3/4/21 2:15	3.08	128.1	11.8	3.928	29.04	0
3/4/21 2:30	4.38	132.7	10.24	3.276	29.04	0
3/4/21 2:45	6.211	139.4	9.29	2.929	29.04	0
3/4/21 3:00	5.869	120.7	8.4	3.049	29.04	0
3/4/21 3:15	6.449	139.6	7.109	3.088	29.04	0
3/4/21 3:30	6.849	142.4	4.117	3.091	29.04	0
3/4/21 3:45	5.232	162.1	10.86	2.83	29.04	0
3/4/21 4:00	1.88	203.3	32.57	2.87	29.04	0
3/4/21 4:15	4.188	239.8	17.58	2.666	29.04	0
3/4/21 4:30	3.264	304.1	24.93	3.182	29.04	0
3/4/21 4:45	2.319	16.92	14.45	2.966	29.04	0
3/4/21 5:00	4.097	288.8	25.54	3.247	29.05	0
3/4/21 5:15	3.087	307.5	36.04	3.458	29.05	0
3/4/21 5:30	2.592	288.9	60.6	3.033	29.05	0
3/4/21 5:45	5.269	244.1	8.67	2.826	29.05	0
3/4/21 6:00	4.516	254.5	10.35	3.139	29.09	0
3/4/21 6:15	3.272	222.8	24.92	3.288	29.09	0
3/4/21 6:30	3.945	131.1	15.03	2.472	29.09	0
3/4/21 6:45	4.775	129.9	10.44	2.7	29.09	0
3/4/21 7:00	6.078	121.3	6.111	2.616	29.12	0
3/4/21 7:15	6.086	112.6	6.581	2.891	29.12	0
3/4/21 7:30	5.979	108.8	8.64	3.145	29.12	0
3/4/21 7:45	4.753	139.3	14.06	3.279	29.12	0
3/4/21 8:00	4.13	125.8	19.79	3.394	29.14	0
3/4/21 8:15	3.664	112.9	9.89	3.998	29.14	0
3/4/21 8:30	2.897	102.3	11.31	4.411	29.14	0
3/4/21 8:45	2.303	134.3	23.04	4.808	29.14	0
3/4/21 9:00	2.025	156.6	14.8	5.047	29.16	0
3/4/21 9:15	2.424	176.6	31.97	5.391	29.16	0
3/4/21 9:30	3.953	213.8	14.32	5.476	29.16	0
3/4/21 9:45	2.038	217.9	32.61	5.946	29.16	0
3/4/21 10:00	4.327	230.1	17.77	5.781	29.16	0
3/4/21 10:15	4.183	208.1	29.18	5.859	29.16	0
3/4/21 10:30	3.357	158.3	23.02	6.262	29.16	0
3/4/21 10:45	1.673	147.8	45.24	6.88	29.16	0
3/4/21 11:00	1.884	98.3	42.15	6.952	29.16	0
3/4/21 11:15	1.917	135.3	62.39	7.491	29.16	0
3/4/21 11:30	3.479	99.5	18.97	7.941	29.16	0
3/4/21 11:45	3.356	96.1	34.03	8.51	29.16	0
3/4/21 12:00	3.046	87.2	42.09	9.31	29.18	0
3/4/21 12:15	5.07	129.4	22.15	9.53	29.18	0
3/4/21 12:30	4.465	92.3	32.08	9.93	29.18	0
3/4/21 12:45	5.283	145.3	36.69	10.22	29.18	0
3/4/21 13:00	4.447	105.3	33.64	10.26	29.17	0
3/4/21 13:15	3.531	101.4	40.47	10.24	29.17	0
3/4/21 13:30	2.386	150.6	34.62	10.46	29.17	0
3/4/21 13:45	3.378	170.1	18.16	10.52	29.17	0
3/4/21 14:00	2.507	144.3	63.33	10.69	29.22	0
3/4/21 14:15	1.785	218.5	81	10.78	29.22	0
3/4/21 14:30	2.907	86.5	17.79	10.9	29.22	0
3/4/21 14:45	1.982	71.01	36.79	10.99	29.22	0
3/4/21 15:00	6.268	143	72.95	11.12	29.21	0
3/4/21 15:15	1.813	47.06	66	11.21	29.21	0
3/4/21 15:30	1.901	7.129	8.98	10.93	29.21	0
3/4/21 15:45	2.427	318.7	78.43	11.13	29.21	0
3/4/21 16:00	2.318	214.7	80	11.17	29.24	0
3/4/21 16:15	3.066	257.4	47.81	10.8	29.24	0.01
3/4/21 16:30	3.519	73.9	30.69	9.99	29.24	0
3/4/21 16:45	2.975	33.76	7.605	9.57	29.24	0.01



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/4/21 17:00	2.584	11.14	34.16	9.27	29.23	0.01
3/4/21 17:15	2.516	313.1	50.69	9.44	29.23	0.01
3/4/21 17:30	7.198	210.8	28.77	10.14	29.23	0
3/4/21 17:45	6.27	224.2	10.3	9.43	29.23	0.01
3/4/21 18:00	4.127	62.72	42.98	8.01	29.23	0.02
3/4/21 18:15	3.718	84.6	12.16	7.79	29.23	0.01
3/4/21 18:30	5.441	78.52	9.3	7.935	29.23	0.02
3/4/21 18:45	4.142	62.02	8.35	7.352	29.23	0
3/4/21 19:00	3.499	72.08	29.77	7.761	29.26	0.01
3/4/21 19:15	4.84	101	20.34	7.884	29.26	0.03
3/4/21 19:30	5.416	102.7	19.54	7.722	29.26	0.03
3/4/21 19:45	6.53	89.3	7.129	7.431	29.26	0.03
3/4/21 20:00	5.589	74.41	10.41	7.219	29.26	0.03
3/4/21 20:15	6.258	75.56	11.49	7.175	29.26	0.01
3/4/21 20:30	7.312	87.3	12.42	7.389	29.26	0.02
3/4/21 20:45	6.026	91	14.52	7.822	29.26	0.02
3/4/21 21:00	3.818	51.72	52.44	8.12	29.22	0.03
3/4/21 21:15	4.926	11.8	32.15	7.48	29.22	0
3/4/21 21:30	5.068	355.2	25	7.362	29.22	0
3/4/21 21:45	8.68	21.22	9.27	6.916	29.22	0
3/4/21 22:00	4.541	15.36	30.83	7.093	29.2	0
3/4/21 22:15	5.002	125.1	75.25	7.039	29.2	0
3/4/21 22:30	4.157	64.16	60.48	6.807	29.2	0
3/4/21 22:45	2.896	21.1	54.58	6.842	29.2	0
3/4/21 23:00	4.896	11.8	15.82	6.8	29.18	0
3/4/21 23:15	4.735	40.01	12.55	6.651	29.18	0
3/4/21 23:30	6.135	39.42	7.396	6.571	29.18	0
3/4/21 23:45	5.878	50.03	12.75	6.745	29.18	0
3/5/21 0:00	5.916	38.56	24.53	6.773	29.12	0
3/5/21 0:15	5.603	352.7	25.33	6.62	29.12	0
3/5/21 0:30	4.902	53.04	31.44	6.536	29.12	0.01
3/5/21 0:45	7.764	35.27	10.5	6.486	29.12	0
3/5/21 1:00	5.11	84.8	48.44	6.487	29.07	0
3/5/21 1:15	5.724	294.8	89.9	6.439	29.07	0
3/5/21 1:30	3.859	14	10.11	6.424	29.07	0
3/5/21 1:45	6.53	266.1	74.16	6.75	29.07	0
3/5/21 2:00	7.645	52.77	86.9	7.145	29.04	0
3/5/21 2:15	4.11	32.04	16	6.5	29.04	0
3/5/21 2:30	2.888	110.2	57.24	8.95	29.04	0
3/5/21 2:45	8.24	131.1	33.41	8.41	29.04	0
3/5/21 3:00	7.67	169.7	28.52	7.027	29.07	0
3/5/21 3:15	5.649	212.5	43.67	6.509	29.07	0
3/5/21 3:30	3.937	19.93	39.69	6.253	29.07	0
3/5/21 3:45	2.647	87.8	27.61	6.415	29.07	0
3/5/21 4:00	4.312	108.6	14.75	7.319	29.02	0
3/5/21 4:15	2.654	64.86	25.34	6.846	29.02	0
3/5/21 4:30	4.217	172	14.45	8.25	29.02	0
3/5/21 4:45	3.035	83.7	89.6	7.053	29.02	0
3/5/21 5:00	2.092	252	55.66	7.321	29.04	0
3/5/21 5:15	2.232	251	59.3	7.376	29.04	0
3/5/21 5:30	4.88	220.5	66.89	6.703	29.04	0
3/5/21 5:45	5.091	67.8	30.11	5.984	29.04	0
3/5/21 6:00	5.493	57.07	73.89	6.6	29.03	0
3/5/21 6:15	7.826	143.6	17.22	7.445	29.03	0
3/5/21 6:30	7.6	142.2	21.06	7.936	29.03	0
3/5/21 6:45	4.975	119.7	27.89	7.46	29.03	0
3/5/21 7:00	8.23	175.9	18.27	7.373	29.01	0
3/5/21 7:15	7.892	169	22.9	7.224	29.01	0
3/5/21 7:30	8.05	173.2	24.14	7.721	29.01	0
3/5/21 7:45	5.259	130.2	28.59	8.5	29.01	0
3/5/21 8:00	6.421	114.6	10.33	8.75	29.02	0
3/5/21 8:15	6.747	141.6	30.25	10.19	29.02	0
3/5/21 8:30	9.46	199.5	13.57	10.22	29.02	0
3/5/21 8:45	7.174	186	13.03	10.3	29.02	0
3/5/21 9:00	6.326	187.7	16.89	10.4	29.04	0
3/5/21 9:15	3.179	149.2	25.18	10.1	29.04	0
3/5/21 9:30	7.729	175.4	13.59	10.59	29.04	0
3/5/21 9:45	9.42	157.5	13.92	10.22	29.04	0
3/5/21 10:00	8.53	173.8	18.19	9.94	29.07	0
3/5/21 10:15	8.32	166.9	14.1	9.85	29.07	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/5/21 10:30	8.26	182.1	13.8	9.71	29.07	0
3/5/21 10:45	13.6	198.7	11.97	9.76	29.07	0
3/5/21 11:00	21.61	210.5	7.485	9.15	29.12	0
3/5/21 11:15	19.59	207.7	8.57	8.95	29.12	0.01
3/5/21 11:30	16.8	201.2	8.83	9.03	29.12	0
3/5/21 11:45	15.96	189.8	11.57	9.12	29.12	0
3/5/21 12:00	15.65	183.8	9.81	9.26	29.14	0.01
3/5/21 12:15	14.59	185.3	9.57	9.49	29.14	0
3/5/21 12:30	13.07	181.9	10.86	9.72	29.14	0
3/5/21 12:45	13.46	184.9	13.94	9.84	29.14	0
3/5/21 13:00	14.77	172.3	8.73	9.92	29.14	0
3/5/21 13:15	18.2	174.1	10.57	9.94	29.14	0
3/5/21 13:30	13.48	177.1	11.75	9.89	29.14	0
3/5/21 13:45	13.2	173.6	10.34	9.81	29.14	0
3/5/21 14:00	15.99	181.2	10.51	9.66	29.15	0
3/5/21 14:15	15.42	182.2	9.21	9.59	29.15	0
3/5/21 14:30	13.09	176.3	9.46	9.55	29.15	0
3/5/21 14:45	12.44	170.4	9.67	9.61	29.15	0
3/5/21 15:00	14.24	171.5	10.89	9.58	29.12	0
3/5/21 15:15	12.12	173.7	9.59	9.51	29.12	0
3/5/21 15:30	9.81	173.6	9.35	9.41	29.12	0
3/5/21 15:45	11.79	169.6	8.57	9.32	29.12	0
3/5/21 16:00	11.79	177.3	8.96	9.25	29.14	0
3/5/21 16:15	8.52	176.2	7.793	9.23	29.14	0
3/5/21 16:30	8.88	250.7	40.77	8.32	29.14	0
3/5/21 16:45	6.6	280.9	16.57	7.411	29.14	0
3/5/21 17:00	4.902	311.1	16.65	7.258	29.14	0
3/5/21 17:15	4.085	310.7	8.05	6.966	29.14	0
3/5/21 17:30	4.401	314.4	10.01	6.894	29.14	0
3/5/21 17:45	3.617	306.8	8.67	6.865	29.14	0
3/5/21 18:00	2.383	326.5	20.31	6.959	29.13	0
3/5/21 18:15	2.583	14.07	12.43	6.995	29.13	0
3/5/21 18:30	2.661	31.18	3.72	6.923	29.13	0
3/5/21 18:45	2.414	25.49	3.168	7.225	29.13	0
3/5/21 19:00	1.723	11.25	13.53	7.342	29.13	0
3/5/21 19:15	0.885	2.221	18.53	7.352	29.13	0
3/5/21 19:30	1.365	233.9	58.53	7.607	29.13	0
3/5/21 19:45	3.867	187.2	8.37	7.845	29.13	0
3/5/21 20:00	4.065	186.3	7.856	7.668	29.12	0
3/5/21 20:15	5.146	204	4.741	7.075	29.12	0
3/5/21 20:30	4.496	175.4	16.12	6.09	29.12	0
3/5/21 20:45	3.261	121.1	31.14	6.407	29.12	0
3/5/21 21:00	1.797	60.38	13.32	5.864	29.1	0
3/5/21 21:15	1.669	117.2	36.76	6.274	29.1	0
3/5/21 21:30	3.502	166.6	13.22	6.805	29.1	0
3/5/21 21:45	3.634	163.9	12.48	6.499	29.1	0
3/5/21 22:00	4.859	167	7.487	6.429	29.12	0
3/5/21 22:15	5.352	171.1	6.539	6.077	29.12	0
3/5/21 22:30	6.287	164.4	11.96	5.708	29.12	0
3/5/21 22:45	5.19	149.5	14.83	5.556	29.12	0
3/5/21 23:00	4.351	146.6	11.01	5.652	29.09	0
3/5/21 23:15	4.53	132	7.339	5.877	29.09	0
3/5/21 23:30	4.794	148.8	13.52	5.869	29.09	0
3/5/21 23:45	4.818	158	10.35	5.857	29.09	0
3/6/21 0:00	6.137	166.3	10.39	6.049	29.1	0
3/6/21 0:15	5.769	158.9	7.703	5.824	29.1	0
3/6/21 0:30	5.703	153.3	13.18	5.994	29.1	0
3/6/21 0:45	6.582	157.8	12.51	6.065	29.1	0
3/6/21 1:00	7.114	136.4	10.45	5.794	29.12	0
3/6/21 1:15	7.159	137.9	9.6	5.708	29.12	0
3/6/21 1:30	6.846	139.4	7.724	5.61	29.12	0
3/6/21 1:45	4.939	126.3	7.418	5.683	29.12	0
3/6/21 2:00	5.52	132.4	9.68	5.585	29.11	0
3/6/21 2:15	6.74	142.6	9.64	5.679	29.11	0
3/6/21 2:30	6.057	161.1	7.482	5.635	29.11	0
3/6/21 2:45	6.719	163.4	7.3	5.669	29.11	0
3/6/21 3:00	6.555	166.2	6.237	5.532	29.13	0
3/6/21 3:15	7.591	165.6	7.343	5.471	29.13	0
3/6/21 3:30	8.46	163.7	6.677	5.451	29.13	0
3/6/21 3:45	8.11	155.1	8.76	5.053	29.13	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/6/21 4:00	7.126	148.9	6.805	4.761	29.12	0
3/6/21 4:15	7.4	156.6	8.51	4.942	29.12	0
3/6/21 4:30	5.874	130.5	8.71	4.616	29.12	0
3/6/21 4:45	6.54	136.3	7.444	4.876	29.12	0
3/6/21 5:00	6.93	132.6	7.072	4.804	29.12	0
3/6/21 5:15	5.462	135.1	10	4.972	29.12	0
3/6/21 5:30	4.625	131.7	8.71	4.98	29.12	0
3/6/21 5:45	7.085	139.2	8.77	5.176	29.12	0
3/6/21 6:00	9.6	143.9	5.626	5.191	29.15	0
3/6/21 6:15	9.08	142.8	7.46	5.293	29.15	0
3/6/21 6:30	8.1	154.2	7.241	5.183	29.15	0
3/6/21 6:45	7.393	147	10.26	5.026	29.15	0
3/6/21 7:00	7.058	144.2	9.6	5.114	29.17	0
3/6/21 7:15	8.33	154.1	8.5	5.361	29.17	0
3/6/21 7:30	8.68	156.6	9.41	5.488	29.17	0
3/6/21 7:45	8.83	153.6	9.02	5.545	29.17	0
3/6/21 8:00	9.46	163.2	7.697	5.612	29.16	0
3/6/21 8:15	8.04	154.7	9.97	5.641	29.16	0
3/6/21 8:30	8.24	151	9.07	5.756	29.16	0
3/6/21 8:45	9.78	160.6	8.16	5.926	29.16	0
3/6/21 9:00	9.98	159.1	9.74	6.079	29.2	0
3/6/21 9:15	10.46	158.8	9.15	6.328	29.2	0
3/6/21 9:30	11.12	163.7	10.55	6.488	29.2	0
3/6/21 9:45	11.77	174.7	10.78	6.568	29.2	0
3/6/21 10:00	12.35	177.8	11.84	6.816	29.18	0
3/6/21 10:15	12.63	168.8	10.55	6.93	29.18	0
3/6/21 10:30	13.83	178	10.77	6.658	29.18	0
3/6/21 10:45	13.34	181.7	11.12	6.847	29.18	0
3/6/21 11:00	12.91	184.1	13.83	6.849	29.19	0
3/6/21 11:15	12.82	191.4	12.28	6.912	29.19	0
3/6/21 11:30	12.22	172.2	10.18	7.138	29.19	0
3/6/21 11:45	11.21	176.5	10.38	7.437	29.19	0
3/6/21 12:00	12.15	193.4	10.17	7.634	29.2	0
3/6/21 12:15	14.17	195	9.36	7.66	29.2	0
3/6/21 12:30	13.67	195.5	9.31	7.737	29.2	0
3/6/21 12:45	12.39	192.7	10.44	7.884	29.2	0
3/6/21 13:00	12.3	203.1	15.19	8.09	29.21	0
3/6/21 13:15	10.99	185.8	18.6	8.62	29.21	0
3/6/21 13:30	13.07	177.4	11.59	9.26	29.21	0
3/6/21 13:45	10.91	177	28.03	8.74	29.21	0
3/6/21 14:00	12.51	227.1	15.54	8.48	29.18	0
3/6/21 14:15	11.33	217.3	14.51	8.09	29.18	0
3/6/21 14:30	8.12	205.9	12.6	8.66	29.18	0
3/6/21 14:45	9.57	208	17.08	8.8	29.18	0
3/6/21 15:00	9.2	217	9.71	8.76	29.2	0
3/6/21 15:15	10.95	200.1	17.5	7.987	29.2	0
3/6/21 15:30	9.49	177.9	12.96	8.46	29.2	0
3/6/21 15:45	10.7	204	19.68	8.55	29.2	0
3/6/21 16:00	8.61	222.4	17.44	8.61	29.2	0
3/6/21 16:15	12.18	260.2	12.78	8.08	29.2	0
3/6/21 16:30	12.25	262.9	8.66	7.103	29.2	0
3/6/21 16:45	8.33	267.3	10.21	6.965	29.2	0
3/6/21 17:00	4.28	273	27	6.798	29.2	0
3/6/21 17:15	1.684	344.6	34.11	6.646	29.2	0
3/6/21 17:30	0.152	300.1	6.535	6.59	29.2	0
3/6/21 17:45	0.971	55.6	4.895	6.452	29.2	0
3/6/21 18:00	0.4	329.1	64.09	6.398	29.18	0
3/6/21 18:15	0.336	29.28	12.39	6.364	29.18	0
3/6/21 18:30	0.907	55.48	29.19	6.404	29.18	0
3/6/21 18:45	3.394	90.8	11.09	5.909	29.18	0
3/6/21 19:00	4.063	95.6	11.54	6.026	29.19	0
3/6/21 19:15	3.003	113	18.03	5.946	29.19	0
3/6/21 19:30	2.599	90.7	20.43	6.139	29.19	0
3/6/21 19:45	2.265	78.9	10.82	5.959	29.19	0
3/6/21 20:00	3.239	81.5	11.97	5.779	29.16	0
3/6/21 20:15	4.618	105.8	8.84	5.43	29.16	0
3/6/21 20:30	4.432	126.3	12.76	5.525	29.16	0
3/6/21 20:45	5.301	136.5	13.79	5.526	29.16	0
3/6/21 21:00	4.418	130	9.7	5.462	29.18	0
3/6/21 21:15	4.074	111.6	10.74	5.26	29.18	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/6/21 21:30	4.982	107.5	6.323	5.335	29.18	0
3/6/21 21:45	5.538	99.2	4.914	5.306	29.18	0
3/6/21 22:00	3.438	112.5	13.78	5.424	29.14	0
3/6/21 22:15	3.051	87.9	7.652	5.327	29.14	0
3/6/21 22:30	2.907	85.2	11.11	4.337	29.14	0
3/6/21 22:45	3.41	127.6	15.55	4.519	29.14	0
3/6/21 23:00	5.624	142.5	8.85	5.118	29.12	0
3/6/21 23:15	4.735	124	24.8	4.948	29.12	0
3/6/21 23:30	5.225	111.1	20.02	4.968	29.12	0
3/6/21 23:45	6.318	133.3	8.73	5.185	29.12	0
3/7/21 0:00	6.935	134.3	22.22	5.366	29.11	0
3/7/21 0:15	6.057	130.9	21.38	5.656	29.11	0
3/7/21 0:30	6.402	153.8	18	5.673	29.11	0
3/7/21 0:45	4.074	142.3	32.89	5.641	29.11	0
3/7/21 1:00	4.826	174.4	27.4	5.673	29.12	0
3/7/21 1:15	7.533	178.1	20.56	4.971	29.12	0
3/7/21 1:30	8.77	147.2	15.5	5.612	29.12	0
3/7/21 1:45	6.474	114.6	14.45	5.361	29.12	0
3/7/21 2:00	5.158	105	11.16	5.391	29.07	0
3/7/21 2:15	5.392	76.25	9.16	5.552	29.07	0
3/7/21 2:30	3.566	67.09	18	5.947	29.07	0
3/7/21 2:45	4.097	129.5	39.93	5.939	29.07	0
3/7/21 3:00	5.191	195.2	30.56	5.459	29.07	0
3/7/21 3:15	5.609	182.5	40.16	5.013	29.07	0
3/7/21 3:30	5.092	93.3	30.58	4.728	29.07	0
3/7/21 3:45	2.867	86.4	70.83	4.593	29.07	0
3/7/21 4:00	5.112	114.8	13.56	4.927	29.09	0
3/7/21 4:15	5.748	120.9	15.62	4.79	29.09	0
3/7/21 4:30	6.502	86	13.31	4.449	29.09	0.01
3/7/21 4:45	6.065	78.65	15	4.25	29.09	0
3/7/21 5:00	7.753	109.5	14.9	4.632	29.08	0
3/7/21 5:15	7.174	150.5	23.61	4.873	29.08	0
3/7/21 5:30	7.253	142.3	14.94	4.744	29.08	0.01
3/7/21 5:45	8.58	176.8	28.7	4.687	29.08	0
3/7/21 6:00	9.89	195	10.26	4.311	29.1	0.01
3/7/21 6:15	15.79	183.5	9.75	4.617	29.1	0
3/7/21 6:30	12.31	168.1	8.49	4.466	29.1	0
3/7/21 6:45	12.8	167.9	10.27	4.37	29.1	0
3/7/21 7:00	11.73	167.3	8.74	4.263	29.14	0
3/7/21 7:15	10.43	149.2	11.7	4.073	29.14	0
3/7/21 7:30	8.55	138.9	6.626	3.811	29.14	0
3/7/21 7:45	8.48	130.5	7.957	4.188	29.14	0
3/7/21 8:00	8.52	132	7.395	4.456	29.18	0
3/7/21 8:15	7.993	138.6	7.28	4.576	29.18	0
3/7/21 8:30	6.772	127.6	18.96	4.855	29.18	0
3/7/21 8:45	5.609	119.5	15.91	4.871	29.18	0
3/7/21 9:00	6.44	132.6	12.05	4.951	29.2	0
3/7/21 9:15	7.37	139.7	9.31	5.142	29.2	0
3/7/21 9:30	8.5	147.7	14.43	5.427	29.2	0
3/7/21 9:45	17.15	171.5	12.96	5.434	29.2	0
3/7/21 10:00	17.74	178.9	8.53	5.287	29.22	0
3/7/21 10:15	15.07	171.4	10.91	5.436	29.22	0
3/7/21 10:30	16.84	176.3	11.94	5.379	29.22	0
3/7/21 10:45	16.22	180.4	12.19	5.605	29.22	0
3/7/21 11:00	14.46	181.5	15.61	5.761	29.26	0
3/7/21 11:15	17	190.5	12.83	6.263	29.26	0
3/7/21 11:30	12.92	189.4	14.35	6.848	29.26	0
3/7/21 11:45	13.17	189.4	12.85	7.12	29.26	0
3/7/21 12:00	17.32	176.1	19.52	7.081	29.27	0
3/7/21 12:15	15.13	183.6	10.61	7.023	29.27	0
3/7/21 12:30	21.56	205.3	13.02	6.107	29.27	0
3/7/21 12:45	16.06	214.6	12.09	5.316	29.27	0
3/7/21 13:00	19.48	201.6	11.61	4.228	29.3	0.02
3/7/21 13:15	13.04	233.6	9.08	3.558	29.3	0
3/7/21 13:30	4.773	225.3	39.29	3.706	29.3	0
3/7/21 13:45	8.09	174.3	23.75	4.411	29.3	0
3/7/21 14:00	13.47	174.8	12.26	4.61	29.32	0
3/7/21 14:15	16.81	160.9	11.47	4.545	29.32	0
3/7/21 14:30	13.27	142.6	11.84	4.717	29.32	0
3/7/21 14:45	13.36	144.9	16.34	5.119	29.32	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/7/21 15:00	11.09	136.6	14.63	5.606	29.31	0
3/7/21 15:15	9.55	139	13.95	5.746	29.31	0
3/7/21 15:30	11.58	157	16.22	5.684	29.31	0
3/7/21 15:45	11.45	156.6	15.93	6.213	29.31	0
3/7/21 16:00	8.75	174.2	17.3	6.384	29.33	0
3/7/21 16:15	7.478	154	15.31	6.377	29.33	0
3/7/21 16:30	10.51	158.4	12.4	6.518	29.33	0
3/7/21 16:45	11.04	165.4	10.42	6.758	29.33	0
3/7/21 17:00	10.4	181.5	8.17	6.723	29.33	0
3/7/21 17:15	11.79	185.6	8.09	6.78	29.33	0
3/7/21 17:30	13.89	179.6	8.19	6.527	29.33	0
3/7/21 17:45	13.92	215.4	21.41	5.553	29.33	0.01
3/7/21 18:00	8.42	250.4	19.82	4.226	29.32	0.01
3/7/21 18:15	3.68	153.6	17.75	3.996	29.32	0
3/7/21 18:30	6.104	132	8.95	4.227	29.32	0
3/7/21 18:45	6.85	190.9	60.33	4.365	29.32	0
3/7/21 19:00	3.289	214.8	25.88	4.348	29.34	0
3/7/21 19:15	4.208	243.1	25.75	4.274	29.34	0
3/7/21 19:30	4.427	293.9	11.54	3.735	29.34	0
3/7/21 19:45	2.604	349.3	33.2	3.495	29.34	0
3/7/21 20:00	3.213	64.25	6.849	3.703	29.37	0
3/7/21 20:15	3.643	79.33	30.64	4.053	29.37	0
3/7/21 20:30	4.068	122.2	7.063	4.117	29.37	0
3/7/21 20:45	3.653	118.4	8.36	4.172	29.37	0
3/7/21 21:00	3.552	124.4	8	4.306	29.37	0
3/7/21 21:15	4.603	127.6	6.984	4.476	29.37	0
3/7/21 21:30	4.372	121.9	8.96	4.429	29.37	0
3/7/21 21:45	4.658	118.4	8.2	3.707	29.37	0
3/7/21 22:00	5.639	125.4	8.66	4.282	29.36	0
3/7/21 22:15	4.496	107.7	8.87	4.005	29.36	0
3/7/21 22:30	3.283	53.14	16.88	3.005	29.36	0
3/7/21 22:45	3.881	38.03	4.921	2.38	29.36	0
3/7/21 23:00	3.955	39.6	4.948	2.31	29.34	0
3/7/21 23:15	3.854	49.41	6.424	2.197	29.34	0
3/7/21 23:30	2.62	71.59	4.425	2.021	29.34	0
3/7/21 23:45	2.532	95.8	12.88	2.378	29.34	0
3/8/21 0:00	2.708	41.23	12.24	2.364	29.32	0
3/8/21 0:15	3.534	27.52	5.133	2.14	29.32	0
3/8/21 0:30	5.069	43.09	5.462	1.73	29.32	0
3/8/21 0:45	3.48	71.15	25.64	1.823	29.32	0
3/8/21 1:00	3.174	153	4.807	2.715	29.28	0
3/8/21 1:15	3.172	135.4	12.72	2.479	29.28	0
3/8/21 1:30	3.437	147.2	11.5	2.63	29.28	0
3/8/21 1:45	2.772	130.4	23.64	2.309	29.28	0
3/8/21 2:00	1.954	93.7	21.62	1.254	29.27	0
3/8/21 2:15	2.717	34.19	12.54	1.441	29.27	0
3/8/21 2:30	1.985	52.24	6.57	1.23	29.27	0
3/8/21 2:45	4.128	39.56	5.225	1.206	29.27	0
3/8/21 3:00	4.077	38.48	8.72	1.103	29.25	0
3/8/21 3:15	1.925	28.81	28.78	0.743	29.25	0
3/8/21 3:30	2.682	18.41	7.223	0.792	29.25	0
3/8/21 3:45	4.544	21.85	5.848	0.81	29.25	0
3/8/21 4:00	5.048	23.91	8.27	0.35	29.2	0
3/8/21 4:15	4.707	26.31	8.98	0.36	29.2	0
3/8/21 4:30	5.949	30.1	7.09	-0.056	29.2	0
3/8/21 4:45	4.523	32.67	7.035	0.151	29.2	0
3/8/21 5:00	5.135	29.61	7.122	0.01	29.21	0
3/8/21 5:15	5.133	15.86	6.788	0.41	29.21	0
3/8/21 5:30	3.501	19.01	10.45	0.274	29.21	0
3/8/21 5:45	3.796	21.47	15.79	0.273	29.21	0
3/8/21 6:00	4.342	30.63	6.928	0.091	29.19	0
3/8/21 6:15	4.343	26.41	6.022	0.414	29.19	0
3/8/21 6:30	4.625	27.52	8.14	-0.258	29.19	0
3/8/21 6:45	4.6	26.89	7.81	0.13	29.19	0
3/8/21 7:00	3.343	41.47	18.49	0.368	29.17	0
3/8/21 7:15	2.595	69.07	25.82	0.758	29.17	0
3/8/21 7:30	3.216	55.99	21.58	1.241	29.17	0
3/8/21 7:45	3.313	107.9	15.71	3.066	29.17	0
3/8/21 8:00	3.964	120.5	9.5	4.234	29.17	0
3/8/21 8:15	5.775	131.5	8.83	4.704	29.17	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/8/21 8:30	6.392	110.3	13.1	5.26	29.17	0
3/8/21 8:45	6.569	106.7	10.92	5.561	29.17	0
3/8/21 9:00	6.107	109.9	18.09	6.043	29.15	0
3/8/21 9:15	6.661	131.7	13.02	6.735	29.15	0
3/8/21 9:30	8.38	121.4	14.2	7.376	29.15	0
3/8/21 9:45	10.46	126.5	13.6	7.874	29.15	0
3/8/21 10:00	11.84	121.5	15.84	8.39	29.13	0
3/8/21 10:15	12.32	125.8	14.1	8.93	29.13	0
3/8/21 10:30	10.86	126	14.12	9.45	29.13	0
3/8/21 10:45	8.47	127.8	18.23	9.86	29.13	0
3/8/21 11:00	11.78	122	17.87	9.94	29.11	0
3/8/21 11:15	12.67	112.3	13.13	10.06	29.11	0
3/8/21 11:30	12.07	125.4	13.05	10.37	29.11	0
3/8/21 11:45	12.11	115.8	15.4	10.44	29.11	0
3/8/21 12:00	9.81	121.6	23.21	10.73	29.13	0
3/8/21 12:15	10.38	121.2	13.7	10.79	29.13	0
3/8/21 12:30	8.88	124.8	16.55	11.2	29.13	0
3/8/21 12:45	9.75	106.3	17.12	11.12	29.13	0
3/8/21 13:00	9.25	132.1	21.63	11.32	29.12	0
3/8/21 13:15	7.314	104.3	19.42	11.76	29.12	0
3/8/21 13:30	10.08	119	17.69	11.63	29.12	0
3/8/21 13:45	10.59	126.9	15.92	11.37	29.12	0
3/8/21 14:00	11.08	118.3	17.83	11.19	29.12	0
3/8/21 14:15	9.13	126.3	17.95	11.34	29.12	0
3/8/21 14:30	8.83	143.8	14	11.29	29.12	0
3/8/21 14:45	8.36	159.1	59.91	10.76	29.12	0
3/8/21 15:00	9.42	271.1	7.961	9.61	29.11	0
3/8/21 15:15	6.18	260.7	8.06	9.58	29.11	0
3/8/21 15:30	6.407	278.8	11.87	9.63	29.11	0
3/8/21 15:45	6.52	285.8	6.845	9.62	29.11	0
3/8/21 16:00	6.359	270.6	11.17	9.57	29.12	0
3/8/21 16:15	4.747	280.2	15.11	9.57	29.12	0
3/8/21 16:30	5.693	290.7	8.55	9.41	29.12	0
3/8/21 16:45	4.981	280.3	10.26	9.25	29.12	0
3/8/21 17:00	5.813	287.6	7.254	8.95	29.1	0
3/8/21 17:15	4.799	287.7	6.607	8.69	29.1	0
3/8/21 17:30	3.121	292.7	5.714	8.46	29.1	0
3/8/21 17:45	2.03	316.2	13.27	8.46	29.1	0
3/8/21 18:00	1.956	0.037	12.39	8.38	29.1	0
3/8/21 18:15	1.772	11.07	6.532	8.19	29.1	0
3/8/21 18:30	1.572	32.83	11.99	8.15	29.1	0
3/8/21 18:45	1.213	30.22	5.689	7.949	29.1	0
3/8/21 19:00	0.997	23.82	7.77	8.02	29.13	0
3/8/21 19:15	1.596	87.5	27.01	7.791	29.13	0
3/8/21 19:30	2.346	109.6	13.97	7.01	29.13	0
3/8/21 19:45	2.96	93.5	18.12	6.692	29.13	0
3/8/21 20:00	3.254	145.2	30.89	6.439	29.12	0
3/8/21 20:15	2.101	168	31.39	6.686	29.12	0
3/8/21 20:30	4.293	193.5	18.22	6.76	29.12	0
3/8/21 20:45	6.206	171.5	14.52	6.2	29.12	0
3/8/21 21:00	3.144	121.1	60.22	5.94	29.14	0
3/8/21 21:15	4.568	71.78	13.14	5.74	29.14	0
3/8/21 21:30	3.998	115	16.17	6.016	29.14	0
3/8/21 21:45	6.1	176.8	25.92	5.723	29.14	0
3/8/21 22:00	7.24	193.3	7.612	5.367	29.13	0
3/8/21 22:15	4.432	142.8	45.83	5.975	29.13	0
3/8/21 22:30	4.226	77.36	6.381	5.302	29.13	0
3/8/21 22:45	4.142	53.69	15	5.569	29.13	0
3/8/21 23:00	3.272	74.93	4.826	6.078	29.16	0
3/8/21 23:15	3.386	97.9	11.46	6.973	29.16	0
3/8/21 23:30	4.545	192.9	44.84	6.212	29.16	0
3/8/21 23:45	8.1	226.7	9.58	5.417	29.16	0
3/9/21 0:00	5.502	211.8	14.08	5.242	29.15	0
3/9/21 0:15	3.363	90.5	42.72	4.914	29.15	0
3/9/21 0:30	4.496	76.72	7.853	4.514	29.15	0
3/9/21 0:45	4.262	83.4	9.14	4.746	29.15	0
3/9/21 1:00	4.48	91.2	8.68	4.956	29.14	0
3/9/21 1:15	3.916	108.2	8.23	5.26	29.14	0
3/9/21 1:30	2.813	119.2	10.83	5.238	29.14	0
3/9/21 1:45	2.233	132.6	14.64	5.027	29.14	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/9/21 2:00	3.083	162.6	32.29	4.932	29.15	0
3/9/21 2:15	4.192	176.3	18.5	4.409	29.15	0
3/9/21 2:30	3.763	153.8	18.12	4.558	29.15	0
3/9/21 2:45	2.045	120.1	24.25	4.711	29.15	0
3/9/21 3:00	1.608	81.7	5.519	4.464	29.14	0
3/9/21 3:15	2.05	61.08	6.786	4.126	29.14	0
3/9/21 3:30	0.838	76.73	13.25	4.595	29.14	0
3/9/21 3:45	2.483	84.6	7.888	4.116	29.14	0
3/9/21 4:00	2.943	81.9	6.304	4.209	29.14	0
3/9/21 4:15	3.508	101	15.04	3.729	29.14	0
3/9/21 4:30	3.061	115.9	22.7	4.171	29.14	0
3/9/21 4:45	4.459	60.72	17.92	2.648	29.14	0
3/9/21 5:00	6.457	68.93	12.47	2.554	29.13	0
3/9/21 5:15	6.716	46.67	6.397	2.899	29.13	0
3/9/21 5:30	6.443	54.84	15.06	3.393	29.13	0
3/9/21 5:45	5.152	104.7	49.95	3.244	29.13	0
3/9/21 6:00	4.795	63.49	28.21	4.237	29.12	0
3/9/21 6:15	4.908	144.8	42.6	3.4	29.12	0
3/9/21 6:30	4.164	109.7	52.19	3.455	29.12	0
3/9/21 6:45	1.835	16.69	18.1	2.805	29.12	0
3/9/21 7:00	4.21	156	33.94	3.254	29.12	0
3/9/21 7:15	1.799	54.11	48.78	3.79	29.12	0
3/9/21 7:30	1.788	74.19	24.56	4.602	29.12	0
3/9/21 7:45	1.683	105.1	31.73	5.082	29.12	0
3/9/21 8:00	2.825	141.9	28.75	4.839	29.12	0
3/9/21 8:15	3.468	113.8	22.4	5.264	29.12	0
3/9/21 8:30	5.277	138	19.12	5.743	29.12	0
3/9/21 8:45	4.92	99	12.62	6.012	29.12	0
3/9/21 9:00	3.624	179.5	34.76	6.36	29.15	0
3/9/21 9:15	8.67	216.7	13.14	6.001	29.15	0
3/9/21 9:30	6.355	280.2	31.39	5.68	29.15	0
3/9/21 9:45	5.13	304	11.32	5.507	29.15	0
3/9/21 10:00	6.5	275.6	11.99	5.582	29.14	0
3/9/21 10:15	5.491	295.1	12.61	5.47	29.14	0
3/9/21 10:30	3.23	0.658	36.15	5.856	29.14	0
3/9/21 10:45	3.136	41.13	14.35	6.353	29.14	0
3/9/21 11:00	1.694	240	44.37	7.16	29.18	0
3/9/21 11:15	1.416	219.4	38	8.17	29.18	0
3/9/21 11:30	3.214	285.5	29.21	8.62	29.18	0
3/9/21 11:45	4.679	265.7	14.96	8.58	29.18	0
3/9/21 12:00	3.267	281.2	15.73	8.59	29.16	0
3/9/21 12:15	1.44	280.1	19.57	9.05	29.16	0
3/9/21 12:30	1.407	282	32.66	9.5	29.16	0
3/9/21 12:45	0.912	310.6	40.84	10.28	29.16	0
3/9/21 13:00	2.776	206.4	40.77	10.2	29.16	0
3/9/21 13:15	3.133	195.3	42.31	10.23	29.16	0
3/9/21 13:30	5.679	184.6	27.03	10.37	29.16	0
3/9/21 13:45	4.908	219	38.94	10.37	29.16	0
3/9/21 14:00	5.091	228.1	27.48	10.5	29.14	0
3/9/21 14:15	9.26	222.6	9.98	10.18	29.14	0
3/9/21 14:30	9.56	239.6	9.03	9.78	29.14	0
3/9/21 14:45	9.16	232.5	11.76	9.82	29.14	0
3/9/21 15:00	8.56	249.5	11.48	9.7	29.14	0
3/9/21 15:15	6.919	233.2	19.84	9.5	29.14	0
3/9/21 15:30	5.133	234.1	20.08	9.42	29.14	0
3/9/21 15:45	4.634	222.6	25.12	9.18	29.14	0
3/9/21 16:00	2.047	173.5	74.69	9.25	29.14	0
3/9/21 16:15	2.125	30.11	25.71	9.6	29.14	0
3/9/21 16:30	4.101	328.8	28.55	10.09	29.14	0
3/9/21 16:45	7.189	291.5	16.48	9.99	29.14	0
3/9/21 17:00	10.01	277.6	12.52	8.93	29.14	0
3/9/21 17:15	7.814	292.4	10.15	8.38	29.14	0
3/9/21 17:30	9.91	160.6	46.65	6.959	29.14	0.04
3/9/21 17:45	8.11	118.9	26.85	4.848	29.14	0.01
3/9/21 18:00	5.104	17.58	20.7	5.015	29.14	0.03
3/9/21 18:15	7.677	311.5	13.13	4.95	29.14	0.01
3/9/21 18:30	6.109	292.5	5.575	4.693	29.14	0
3/9/21 18:45	4.764	307.6	10.53	4.392	29.14	0
3/9/21 19:00	2.64	330.9	17.77	4.181	29.14	0
3/9/21 19:15	3.482	1.282	17.32	4.006	29.14	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/9/21 19:30	4.187	51.61	6.684	4.362	29.14	0
3/9/21 19:45	3.405	62.3	20.01	3.971	29.14	0
3/9/21 20:00	4.011	25.86	8.43	3.872	29.14	0
3/9/21 20:15	3.605	31.32	10.46	3.618	29.14	0
3/9/21 20:30	2.59	35.55	14.61	3.691	29.14	0.01
3/9/21 20:45	4.652	40.92	8.37	3.822	29.14	0
3/9/21 21:00	5.829	30.58	12.18	3.312	29.13	0
3/9/21 21:15	5.537	20.81	5.443	2.954	29.13	0
3/9/21 21:30	2.931	36.39	24.65	2.859	29.13	0
3/9/21 21:45	3.305	51.76	16.73	2.804	29.13	0
3/9/21 22:00	3.455	26.49	12.8	2.471	29.13	0
3/9/21 22:15	3.035	36.48	7.11	2.388	29.13	0
3/9/21 22:30	5.005	27.71	8.8	2.814	29.13	0
3/9/21 22:45	4.362	15.61	4.214	2.414	29.13	0
3/9/21 23:00	4.418	27.44	6.365	2.676	29.12	0
3/9/21 23:15	4.833	11.23	4.209	1.95	29.12	0
3/9/21 23:30	4.21	9.87	10.62	2.167	29.12	0
3/9/21 23:45	4.045	29.18	8.54	2.403	29.12	0
3/10/21 0:00	4.675	15.27	9.67	2.358	29.1	0
3/10/21 0:15	5.495	18.23	6.267	1.856	29.1	0
3/10/21 0:30	4.887	27.29	4.438	1.602	29.1	0
3/10/21 0:45	4.221	26.95	5.967	1.298	29.1	0
3/10/21 1:00	3.974	18.78	9.49	1.051	29.11	0
3/10/21 1:15	4.379	27	11.68	0.708	29.11	0
3/10/21 1:30	4.537	13.01	11.62	0.714	29.11	0
3/10/21 1:45	3.345	23.21	9.43	0.935	29.11	0
3/10/21 2:00	1.91	102.8	40.99	0.701	29.14	0
3/10/21 2:15	0.408	124.5	16.42	0.267	29.14	0
3/10/21 2:30	2.513	21.18	6.07	0.457	29.14	0
3/10/21 2:45	2.582	16.86	3.394	0.859	29.14	0
3/10/21 3:00	3.313	18.18	8.12	1.369	29.12	0
3/10/21 3:15	1.413	42.32	14.18	0.764	29.12	0
3/10/21 3:30	2.98	14.77	5.043	1.025	29.12	0
3/10/21 3:45	2.84	19.12	6.132	0.92	29.12	0
3/10/21 4:00	1.976	40.72	18.24	0.957	29.11	0
3/10/21 4:15	2.47	16.84	10.04	1.121	29.11	0
3/10/21 4:30	2.394	21.28	11.39	1.004	29.11	0
3/10/21 4:45	2.219	31.3	6.488	0.944	29.11	0
3/10/21 5:00	2.234	41.79	7.461	0.841	29.13	0
3/10/21 5:15	2.19	46.24	14.85	0.919	29.13	0
3/10/21 5:30	1.328	79.56	1.752	0.415	29.13	0
3/10/21 5:45	0.943	62.28	4.841	0.722	29.13	0
3/10/21 6:00	0.708	35.12	12.97	0.784	29.12	0
3/10/21 6:15	0.011	16.34	0.409	1.024	29.12	0
3/10/21 6:30	0.599	358.8	9.4	1.412	29.12	0
3/10/21 6:45	2.216	330.9	11.3	1.262	29.12	0
3/10/21 7:00	2.658	354.6	12.68	0.982	29.13	0
3/10/21 7:15	3.149	331.4	13.38	1.163	29.13	0
3/10/21 7:30	1.814	108.8	80.5	0.333	29.13	0
3/10/21 7:45	2.664	38.78	17.36	-0.214	29.13	0
3/10/21 8:00	3.716	17.82	8.01	-0.244	29.15	0
3/10/21 8:15	2.304	17.49	8.2	-0.121	29.15	0
3/10/21 8:30	3.005	14.73	5.813	0.02	29.15	0
3/10/21 8:45	2.546	15.8	10.71	0.564	29.15	0
3/10/21 9:00	1.446	25.17	35.76	1.109	29.15	0
3/10/21 9:15	1.764	122.9	28.68	1.717	29.15	0.01
3/10/21 9:30	2.268	133.5	22.06	2.684	29.15	0
3/10/21 9:45	2.277	172.6	27.77	3.165	29.15	0
3/10/21 10:00	3.116	233.7	21.13	3.365	29.15	0
3/10/21 10:15	2.647	212	21.54	3.929	29.15	0
3/10/21 10:30	1.061	244.9	45.1	4.813	29.15	0
3/10/21 10:45	1.606	74.17	43.6	5.955	29.15	0
3/10/21 11:00	1.462	57.72	72.7	6.724	29.14	0
3/10/21 11:15	2.152	250.1	29.54	6.534	29.14	0
3/10/21 11:30	2.949	292	18.89	6.73	29.14	0
3/10/21 11:45	4.098	326.1	28.07	7.423	29.14	0
3/10/21 12:00	3.743	348.8	27.19	7.522	29.17	0
3/10/21 12:15	3.936	307.3	24.65	7.919	29.17	0
3/10/21 12:30	5.347	302.4	22.94	8.34	29.17	0
3/10/21 12:45	2.53	308.9	45.82	8.42	29.17	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/10/21 13:00	5.249	27.4	22.1	8.75	29.13	0
3/10/21 13:15	5.017	22.06	27.49	9.1	29.13	0
3/10/21 13:30	4.341	343.4	25.14	9.5	29.13	0
3/10/21 13:45	6.604	319.3	16.1	9.15	29.13	0
3/10/21 14:00	6.447	311.8	13.4	9.06	29.12	0
3/10/21 14:15	4.802	327.6	23.66	9.38	29.12	0
3/10/21 14:30	7.76	320.6	18.57	9.75	29.12	0
3/10/21 14:45	6.967	320.5	11.94	9.82	29.12	0
3/10/21 15:00	7.286	316.6	23.65	9.45	29.13	0
3/10/21 15:15	6.521	330.5	23.38	10.01	29.13	0
3/10/21 15:30	8.4	314	11.72	9.52	29.13	0
3/10/21 15:45	8.01	319	7.931	9.4	29.13	0
3/10/21 16:00	9.07	336.1	7.4	9.25	29.13	0
3/10/21 16:15	8.11	344.4	11.35	8.86	29.13	0
3/10/21 16:30	10.81	346.2	17.18	9.34	29.13	0
3/10/21 16:45	10.32	315	9.94	9.4	29.13	0
3/10/21 17:00	12.65	312.5	6.735	9.01	29.14	0
3/10/21 17:15	11.18	318.2	10.97	8.68	29.14	0
3/10/21 17:30	8.57	316.1	10.98	8.51	29.14	0
3/10/21 17:45	9.55	332.2	10.66	8.14	29.14	0
3/10/21 18:00	8.99	330.5	13.12	7.655	29.14	0
3/10/21 18:15	10.05	326.7	10.2	7.099	29.14	0
3/10/21 18:30	8.98	326.6	15.69	6.71	29.14	0
3/10/21 18:45	7.717	330.5	18.09	6.423	29.14	0
3/10/21 19:00	6.247	321	23.46	6.297	29.2	0
3/10/21 19:15	4.321	299.4	32.54	6.094	29.2	0
3/10/21 19:30	3.445	294.7	38.36	6.057	29.2	0
3/10/21 19:45	3.5	303.1	42.91	6.017	29.2	0
3/10/21 20:00	2.53	324.1	31.7	5.934	29.2	0
3/10/21 20:15	6.06	353.2	24.44	5.894	29.2	0
3/10/21 20:30	3.097	4.352	26.21	5.602	29.2	0
3/10/21 20:45	5.919	11.57	19.17	5.563	29.2	0
3/10/21 21:00	6.225	10.99	22.36	5.442	29.24	0
3/10/21 21:15	2.792	30.61	27.39	5.107	29.24	0
3/10/21 21:30	3.29	41.35	27.87	4.706	29.24	0
3/10/21 21:45	3.728	29.84	19.7	4.719	29.24	0
3/10/21 22:00	4.43	27.52	18.53	4.566	29.26	0
3/10/21 22:15	4.683	25.92	20.72	4.716	29.26	0
3/10/21 22:30	4.677	24.51	13.55	4.371	29.26	0
3/10/21 22:45	6.504	20.95	8.37	3.673	29.26	0
3/10/21 23:00	7.895	19.44	6.263	3.657	29.28	0
3/10/21 23:15	6.22	19.97	6.508	3.597	29.28	0
3/10/21 23:30	6.024	14.17	7.304	3.601	29.28	0
3/10/21 23:45	6.425	25.48	7.58	3.306	29.28	0
3/11/21 0:00	5.344	17.47	10.87	2.83	29.29	0
3/11/21 0:15	7.722	21.36	7.202	2.852	29.29	0
3/11/21 0:30	8.44	24.05	7.646	2.667	29.29	0
3/11/21 0:45	9.42	17.84	6.882	2.737	29.29	0
3/11/21 1:00	7.54	3.302	12.52	2.504	29.3	0
3/11/21 1:15	5.953	5.405	14.89	2.793	29.3	0
3/11/21 1:30	6.296	8.55	13.82	3.177	29.3	0
3/11/21 1:45	6.19	24.95	9.67	2.767	29.3	0
3/11/21 2:00	7.7	27.99	15.16	3.464	29.32	0
3/11/21 2:15	6.004	36.13	8.98	2.829	29.32	0
3/11/21 2:30	5.971	38.71	11.08	2.993	29.32	0
3/11/21 2:45	6.003	28.27	8.8	3.003	29.32	0
3/11/21 3:00	5.185	32.49	7.915	2.941	29.33	0
3/11/21 3:15	5.695	24.98	8.96	3.211	29.33	0
3/11/21 3:30	3.61	33.22	22.05	3.217	29.33	0
3/11/21 3:45	2.118	0.665	16.65	3.172	29.33	0
3/11/21 4:00	1.891	41.22	51.85	2.39	29.34	0
3/11/21 4:15	2.757	207.4	19.56	1.35	29.34	0
3/11/21 4:30	3.72	182.2	7.896	1.15	29.34	0
3/11/21 4:45	3.308	165	8.39	1.164	29.34	0
3/11/21 5:00	2.553	128	18.54	0.997	29.36	0
3/11/21 5:15	2.74	115.3	4.402	1.637	29.36	0
3/11/21 5:30	2.93	122.1	12.99	1.225	29.36	0
3/11/21 5:45	1.555	186.2	45.66	1.47	29.36	0
3/11/21 6:00	2.038	205.6	45.71	0.271	29.38	0
3/11/21 6:15	0.851	349.7	48.47	0.715	29.38	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/11/21 6:30	0.133	21.61	0.018	1.115	29.38	0
3/11/21 6:45	0.331	188.2	38.33	1.425	29.38	0
3/11/21 7:00	2.208	127.2	11.55	1.426	29.38	0
3/11/21 7:15	2	102.5	18.71	1.934	29.38	0
3/11/21 7:30	0.242	359.8	38.83	1.674	29.38	0
3/11/21 7:45	0.421	219.4	50.84	2.017	29.38	0
3/11/21 8:00	2.754	290.4	11.7	2.387	29.41	0
3/11/21 8:15	1.352	108	50.09	3.137	29.41	0
3/11/21 8:30	1.252	322.4	54.09	3.828	29.41	0
3/11/21 8:45	1.635	61.07	24.34	4.18	29.41	0
3/11/21 9:00	2.557	91.3	11.65	4.247	29.42	0
3/11/21 9:15	1.061	52.39	32.01	5.253	29.42	0
3/11/21 9:30	2.844	38.22	16.25	5.336	29.42	0
3/11/21 9:45	3.174	2.891	24.58	5.6	29.42	0
3/11/21 10:00	1.935	346.9	45.33	6.079	29.45	0
3/11/21 10:15	1.836	351.3	33.42	6.82	29.45	0
3/11/21 10:30	3.329	18.09	27.21	6.713	29.45	0
3/11/21 10:45	1.233	3.875	58.22	7.587	29.45	0
3/11/21 11:00	2.545	242.1	32.38	7.452	29.43	0
3/11/21 11:15	1.88	270.8	37.86	7.998	29.43	0
3/11/21 11:30	1.763	274.4	36.65	8.47	29.43	0
3/11/21 11:45	1.943	187.3	60.81	9.03	29.43	0
3/11/21 12:00	2.273	339.9	23.85	9.27	29.45	0
3/11/21 12:15	1.949	283.8	55.37	9.72	29.45	0
3/11/21 12:30	6.55	266.9	18.33	9.77	29.45	0
3/11/21 12:45	6.736	266	24.56	9.98	29.45	0
3/11/21 13:00	8.08	281.6	14.77	10.08	29.44	0
3/11/21 13:15	9.08	272.1	9.75	10.15	29.44	0
3/11/21 13:30	5.362	277.7	22.51	10.39	29.44	0
3/11/21 13:45	5.745	279.2	13.87	10.62	29.44	0
3/11/21 14:00	7.252	276.6	18.11	10.73	29.43	0
3/11/21 14:15	6.327	280.1	12.35	10.98	29.43	0
3/11/21 14:30	4.619	285.8	22.73	11.32	29.43	0
3/11/21 14:45	4.419	312.1	44.82	11.32	29.43	0
3/11/21 15:00	5.343	321.6	24.84	11.56	29.42	0
3/11/21 15:15	5.025	310.1	20.6	11.77	29.42	0
3/11/21 15:30	5.267	303.7	25.07	11.68	29.42	0
3/11/21 15:45	4.116	305.7	19.84	11.62	29.42	0
3/11/21 16:00	4.195	294.4	20.43	11.85	29.44	0
3/11/21 16:15	5.045	300.8	16.85	11.69	29.44	0
3/11/21 16:30	5.422	291.8	20.67	11.55	29.44	0
3/11/21 16:45	6.186	288.7	11.29	11.38	29.44	0
3/11/21 17:00	6.544	290.5	9.98	11.16	29.44	0
3/11/21 17:15	6.494	286.6	8.12	10.95	29.44	0
3/11/21 17:30	6.673	287.3	6.037	10.58	29.44	0
3/11/21 17:45	7.61	288.5	5.257	10.04	29.44	0
3/11/21 18:00	7.151	289	4.463	9.35	29.44	0
3/11/21 18:15	7.209	294.4	4.246	8.73	29.44	0
3/11/21 18:30	6.827	300.4	4.146	8.35	29.44	0
3/11/21 18:45	5.455	306.6	3.348	8.46	29.44	0
3/11/21 19:00	4.515	316.7	9.81	8.7	29.45	0
3/11/21 19:15	2.172	349.2	12.63	8.55	29.45	0
3/11/21 19:30	2.457	31.94	11.07	7.998	29.45	0
3/11/21 19:45	3.935	49.68	6.412	7.523	29.45	0
3/11/21 20:00	3.988	44.59	6.254	6.754	29.44	0
3/11/21 20:15	3.188	55.73	7.709	6.733	29.44	0
3/11/21 20:30	3.329	53.98	10.49	6.844	29.44	0
3/11/21 20:45	2.146	117.5	29.7	7.018	29.44	0
3/11/21 21:00	3.215	146	6.552	7.397	29.46	0
3/11/21 21:15	2.706	147.8	4.53	6.426	29.46	0
3/11/21 21:30	2.462	103.8	14.16	5.287	29.46	0
3/11/21 21:45	3.177	139.1	11.94	5.882	29.46	0
3/11/21 22:00	3.719	167.9	8.76	5.137	29.47	0
3/11/21 22:15	4.119	172	6.69	4.897	29.47	0
3/11/21 22:30	4.267	173.6	5.526	4.505	29.47	0
3/11/21 22:45	3.445	156.1	10.1	4.559	29.47	0
3/11/21 23:00	3.849	150.6	8.02	4.714	29.46	0
3/11/21 23:15	3.524	133	8.18	4.876	29.46	0
3/11/21 23:30	2.862	133.4	10.78	4.725	29.46	0
3/11/21 23:45	3.448	152	4.614	4.831	29.46	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/12/21 0:00	2.986	159.5	6.326	4.877	29.47	0
3/12/21 0:15	2.429	151.3	17.81	4.728	29.47	0
3/12/21 0:30	0.31	60.55	1.942	4.012	29.47	0
3/12/21 0:45	1.016	87.1	6.85	4.399	29.47	0
3/12/21 1:00	2.712	142.4	25.25	4.445	29.47	0
3/12/21 1:15	3.596	162.3	3.913	4.124	29.47	0
3/12/21 1:30	3.937	165.2	4.811	4.055	29.47	0
3/12/21 1:45	3.875	160.9	6.267	3.534	29.47	0
3/12/21 2:00	4.003	175.8	5.91	3.121	29.48	0
3/12/21 2:15	4.919	182.7	6.357	2.675	29.48	0
3/12/21 2:30	5.047	177.2	4.568	2.674	29.48	0
3/12/21 2:45	4.756	171.8	5.088	2.591	29.48	0
3/12/21 3:00	5.031	178.6	6.77	2.378	29.49	0
3/12/21 3:15	5.322	181.2	7.089	2.467	29.49	0
3/12/21 3:30	4.698	169.6	9.36	2.436	29.49	0
3/12/21 3:45	3.397	135.8	9.44	3.148	29.49	0
3/12/21 4:00	1.389	110	11.15	3.138	29.48	0
3/12/21 4:15	0.285	125.7	7.288	3.057	29.48	0
3/12/21 4:30	2.763	150.9	6.695	3.462	29.48	0
3/12/21 4:45	3.947	159.6	5.88	3.486	29.48	0
3/12/21 5:00	3.652	163.6	5.692	3.62	29.47	0
3/12/21 5:15	3.428	149.6	6.703	3.406	29.47	0
3/12/21 5:30	2.683	134.1	4.97	3.401	29.47	0
3/12/21 5:45	3.184	122.9	6.28	3.724	29.47	0
3/12/21 6:00	2.119	130.6	11.44	3.353	29.48	0
3/12/21 6:15	2.433	174.7	13.71	1.916	29.48	0
3/12/21 6:30	3.841	177.8	11.33	1.751	29.48	0
3/12/21 6:45	5.561	196.1	4.313	1.371	29.48	0
3/12/21 7:00	6.281	189.7	3.044	1.414	29.49	0
3/12/21 7:15	6.609	185.4	2.944	1.337	29.49	0
3/12/21 7:30	6.839	186.5	2.756	1.157	29.49	0
3/12/21 7:45	6.316	184	3.479	1.57	29.49	0
3/12/21 8:00	5.556	174.4	10.91	2.391	29.51	0
3/12/21 8:15	5.679	161.1	8.69	2.947	29.51	0
3/12/21 8:30	4.742	148.1	8.44	3.824	29.51	0
3/12/21 8:45	2.6	134.5	15.66	5.068	29.51	0
3/12/21 9:00	2.283	124	22.55	5.534	29.51	0
3/12/21 9:15	3.021	168.8	19.67	5.764	29.51	0
3/12/21 9:30	3.033	201	14.84	5.646	29.51	0
3/12/21 9:45	1.353	240.1	27.11	6.251	29.51	0
3/12/21 10:00	2.487	204.3	27.8	7.011	29.53	0
3/12/21 10:15	1.863	217.8	30.37	7.631	29.53	0
3/12/21 10:30	3.366	200.6	20.89	7.529	29.53	0
3/12/21 10:45	3.528	200.1	21.95	7.986	29.53	0
3/12/21 11:00	2.356	225.3	26.94	8.42	29.51	0
3/12/21 11:15	3.051	191.4	23.59	9.1	29.51	0
3/12/21 11:30	2.827	182.1	44.96	9.89	29.51	0
3/12/21 11:45	1.779	242.5	38.42	10.12	29.51	0
3/12/21 12:00	3.026	216	54.03	10.41	29.5	0
3/12/21 12:15	3.676	197.5	26.16	10.74	29.5	0
3/12/21 12:30	2.753	234.8	26.55	11.38	29.5	0
3/12/21 12:45	3.691	240.4	28.77	11.53	29.5	0
3/12/21 13:00	2.577	304.8	71.64	11.8	29.46	0
3/12/21 13:15	3.391	221	51.06	12.16	29.46	0
3/12/21 13:30	3.581	218.6	51.31	12.55	29.46	0
3/12/21 13:45	3.628	266.5	39.69	12.56	29.46	0
3/12/21 14:00	2.608	218.9	38.68	12.81	29.47	0
3/12/21 14:15	3.42	263.9	45.46	12.93	29.47	0
3/12/21 14:30	4.641	231.5	27.4	12.93	29.47	0
3/12/21 14:45	5.77	275.1	17.69	12.67	29.47	0
3/12/21 15:00	5.667	281	12.82	12.88	29.46	0
3/12/21 15:15	4.599	283.6	17.68	13.02	29.46	0
3/12/21 15:30	4.522	246.7	21.96	13.25	29.46	0
3/12/21 15:45	5.663	247.5	21.43	13.12	29.46	0
3/12/21 16:00	3.903	266.5	19.2	13.17	29.44	0
3/12/21 16:15	5.579	277.5	20.5	13.09	29.44	0
3/12/21 16:30	5.686	290.1	15.99	12.96	29.44	0
3/12/21 16:45	3.741	298.8	20.83	12.94	29.44	0
3/12/21 17:00	5.218	301.8	8.58	12.72	29.44	0
3/12/21 17:15	4.253	299.3	16.14	12.62	29.44	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/12/21 17:30	3.815	317.6	16.94	12.25	29.44	0
3/12/21 17:45	2.185	356	11.66	11.87	29.44	0
3/12/21 18:00	1.941	5.766	11.09	11.25	29.41	0
3/12/21 18:15	2.357	359.1	16.67	10.93	29.41	0
3/12/21 18:30	2.466	318	10.21	11.06	29.41	0
3/12/21 18:45	2.676	315.1	4.11	10.97	29.41	0
3/12/21 19:00	2.571	352.5	22.95	10.11	29.45	0
3/12/21 19:15	2.658	2.202	8.24	10.02	29.45	0
3/12/21 19:30	2.194	340.6	10.94	10.09	29.45	0
3/12/21 19:45	1.934	1.489	17.26	9.49	29.45	0
3/12/21 20:00	2.491	27.2	3.512	8.82	29.45	0
3/12/21 20:15	3.151	45.22	7.385	8.55	29.45	0
3/12/21 20:30	2.322	67.24	9.12	8.17	29.45	0
3/12/21 20:45	3.884	92.2	4.437	7.649	29.45	0
3/12/21 21:00	3.391	96.4	7.243	7.153	29.43	0
3/12/21 21:15	3.619	96.6	6.653	7.261	29.43	0
3/12/21 21:30	3.316	95.9	10.7	7.415	29.43	0
3/12/21 21:45	3.136	133.7	5.704	7.782	29.43	0
3/12/21 22:00	3.359	141.1	7.928	7.353	29.45	0
3/12/21 22:15	4.362	149.9	3.592	7.004	29.45	0
3/12/21 22:30	3.821	141.4	8.21	6.674	29.45	0
3/12/21 22:45	2.766	117.8	10.14	6.614	29.45	0
3/12/21 23:00	3.375	106.4	2.646	6.591	29.41	0
3/12/21 23:15	2.518	102.7	2.822	6.36	29.41	0
3/12/21 23:30	2.708	129.2	7.931	6.531	29.41	0
3/12/21 23:45	2.712	130.3	5.719	6.629	29.41	0
3/13/21 0:00	2.584	131.2	4.923	6.383	29.42	0
3/13/21 0:15	3.584	164.3	14.19	5.897	29.42	0
3/13/21 0:30	3.618	166.3	9.81	5.336	29.42	0
3/13/21 0:45	3.385	163.2	8.42	5.604	29.42	0
3/13/21 1:00	1.625	144.2	33.16	5.263	29.43	0
3/13/21 1:15	1.328	181	18.43	4.419	29.43	0
3/13/21 1:30	3.98	179.5	11.82	4.858	29.43	0
3/13/21 1:45	3.469	151.6	7.755	4.733	29.43	0
3/13/21 2:00	3.219	151.5	9.67	4.48	29.42	0
3/13/21 2:15	2.642	139.5	8.42	5.051	29.42	0
3/13/21 2:30	0.631	128.7	3.022	5.106	29.42	0
3/13/21 2:45	0.081	125.6	0.547	4.51	29.42	0
3/13/21 3:00	1.098	99.8	35.55	4.281	29.4	0
3/13/21 3:15	0.659	107.3	11.44	4.369	29.4	0
3/13/21 3:30	3.257	173.3	18.16	4.14	29.4	0
3/13/21 3:45	3.867	163.6	7.577	3.552	29.4	0
3/13/21 4:00	2.447	153.5	10.16	3.942	29.39	0
3/13/21 4:15	1.515	125.8	14.81	4.361	29.39	0
3/13/21 4:30	2.612	176.9	17.6	4.165	29.39	0
3/13/21 4:45	3.727	155.5	8.43	3.522	29.39	0
3/13/21 5:00	2.655	144	5.24	3.838	29.38	0
3/13/21 5:15	0.803	79.95	49.3	4.066	29.38	0
3/13/21 5:30	1.691	80.2	16.53	3.712	29.38	0
3/13/21 5:45	0.708	105.4	33.81	3.573	29.38	0
3/13/21 6:00	3.32	180.2	13.74	4.023	29.38	0
3/13/21 6:15	4.105	165.4	8.42	3.6	29.38	0
3/13/21 6:30	4.15	157.4	14.53	3.363	29.38	0
3/13/21 6:45	3.705	123.6	10.09	3.674	29.38	0
3/13/21 7:00	3.568	141.3	28.31	4.081	29.39	0
3/13/21 7:15	4.365	165.4	7.707	3.574	29.39	0
3/13/21 7:30	4.518	127.4	15.18	4.199	29.39	0
3/13/21 7:45	3.879	101.2	9.19	3.689	29.39	0
3/13/21 8:00	4.527	122.3	5.072	5.104	29.4	0
3/13/21 8:15	3.915	137.5	6.701	6.439	29.4	0
3/13/21 8:30	4.072	148.9	8.88	6.715	29.4	0
3/13/21 8:45	4.974	153.3	5.427	6.565	29.4	0
3/13/21 9:00	4.486	155.4	8.05	7.058	29.39	0
3/13/21 9:15	3.938	161.8	11.26	7.601	29.39	0
3/13/21 9:30	3.94	159.2	10.77	8.32	29.39	0
3/13/21 9:45	3.096	164.7	17.22	9.21	29.39	0
3/13/21 10:00	2.086	153.6	26.45	9.78	29.38	0
3/13/21 10:15	2.672	167.3	22.05	10.48	29.38	0
3/13/21 10:30	3.614	195.7	19.06	11.06	29.38	0
3/13/21 10:45	5.438	207.1	10.26	11.33	29.38	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/13/21 11:00	5.246	186.4	10.13	11.59	29.38	0
3/13/21 11:15	3.763	198.2	13.59	12.12	29.38	0
3/13/21 11:30	4.245	198.9	12.73	12.42	29.38	0
3/13/21 11:45	4.662	197.5	10.32	12.96	29.38	0
3/13/21 12:00	4.758	194.6	18.98	13.95	29.36	0
3/13/21 12:15	6.118	203.1	14.02	14.12	29.36	0
3/13/21 12:30	7.236	199.8	25.07	14.57	29.36	0
3/13/21 12:45	8.32	200.7	11.66	14.48	29.36	0
3/13/21 13:00	7.161	228.6	30.09	14.77	29.35	0
3/13/21 13:15	7.672	233.7	13.37	14.58	29.35	0
3/13/21 13:30	6.344	246.2	16.84	15.01	29.35	0
3/13/21 13:45	8.34	223.9	20.51	14.63	29.35	0
3/13/21 14:00	6.66	241.1	25.78	14.79	29.33	0
3/13/21 14:15	6.433	270.7	15.11	15.08	29.33	0
3/13/21 14:30	5.514	281.1	35.88	15.3	29.33	0
3/13/21 14:45	7.021	277.9	13.88	15.06	29.33	0
3/13/21 15:00	9.03	275.9	14.6	14.47	29.31	0
3/13/21 15:15	8.61	274.7	12.16	14.1	29.31	0
3/13/21 15:30	8.02	278.1	15.45	13.87	29.31	0
3/13/21 15:45	7.725	290.3	11.32	14.18	29.31	0
3/13/21 16:00	4.856	290.6	14.72	14.55	29.3	0
3/13/21 16:15	3.184	272.4	18.93	14.57	29.3	0
3/13/21 16:30	2.112	273.9	32.38	14.66	29.3	0
3/13/21 16:45	1.965	306.4	29.09	14.57	29.3	0
3/13/21 17:00	1.52	0.585	23.52	14.26	29.27	0
3/13/21 17:15	0.635	31.78	2.061	14.05	29.27	0
3/13/21 17:30	3.332	55.04	8.08	13.52	29.27	0
3/13/21 17:45	3.307	68.24	3.531	13.29	29.27	0
3/13/21 18:00	2.977	59.31	11.51	13.11	29.26	0
3/13/21 18:15	1.846	44.41	1.387	12.99	29.26	0
3/13/21 18:30	2.794	34.52	9.43	12.82	29.26	0
3/13/21 18:45	2.385	54.04	9.36	12.48	29.26	0
3/13/21 19:00	0.089	35.28	0.548	12.57	29.24	0
3/13/21 19:15	0.896	159	44.9	12.13	29.24	0
3/13/21 19:30	1.348	76.03	31.35	11.07	29.24	0
3/13/21 19:45	2.018	238.4	10.35	10.92	29.24	0
3/13/21 20:00	5.475	210.1	5.99	10.97	29.24	0
3/13/21 20:15	5.858	188.3	7.088	10.79	29.24	0
3/13/21 20:30	5.402	181.2	12.94	10.45	29.24	0
3/13/21 20:45	3.557	132.8	35.19	9.51	29.24	0
3/13/21 21:00	4.168	95.1	9.07	8.63	29.23	0
3/13/21 21:15	4.837	113.5	12.45	7.878	29.23	0
3/13/21 21:30	5.872	149.6	7.811	8.86	29.23	0
3/13/21 21:45	5.354	150.2	12.4	8.98	29.23	0
3/13/21 22:00	4.883	131.3	10.63	8.79	29.22	0
3/13/21 22:15	4.007	160.9	25.47	8.56	29.22	0
3/13/21 22:30	4.893	174	16.25	7.634	29.22	0
3/13/21 22:45	4.564	169.4	13.54	7.552	29.22	0
3/13/21 23:00	3.315	135.4	11.1	7.79	29.21	0
3/13/21 23:15	4.078	166.2	10.08	8.34	29.21	0
3/13/21 23:30	5.066	162.2	9.65	7.742	29.21	0
3/13/21 23:45	4.584	156.1	8.31	7.502	29.21	0
3/14/21 0:00	3.105	125.8	32.77	7.098	29.19	0
3/14/21 0:15	3.82	133.1	18.86	6.483	29.19	0
3/14/21 0:30	5.916	157.1	8.26	6.925	29.19	0
3/14/21 0:45	6.548	175.9	12.2	6.413	29.19	0
3/14/21 1:00	5.936	207.5	6.88	5.905	29.19	0
3/14/21 1:15	3.734	190.1	16.09	6.309	29.19	0
3/14/21 1:30	4.466	175.5	16.39	6.017	29.19	0
3/14/21 1:45	5.646	197.3	10.68	5.528	29.19	0
3/14/21 2:00	6.147	224.9	11.11	5.367	29.2	0
3/14/21 2:15	1.573	286.8	58.38	4.994	29.2	0
3/14/21 2:30	3.36	108.8	7.537	4.543	29.2	0
3/14/21 2:45	2.34	122.8	13.34	5.134	29.2	0
3/14/21 3:00	3.122	119.2	12.81	5.346	29.18	0
3/14/21 3:15	3.787	112.5	23.47	5.023	29.18	0
3/14/21 3:30	4.771	95.4	12.27	4.547	29.18	0
3/14/21 3:45	5.672	130.9	11.29	5.016	29.18	0
3/14/21 4:00	3.427	139.6	28.52	4.964	29.13	0
3/14/21 4:15	3.57	166.5	21.03	4.907	29.13	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/14/21 4:30	2.527	166.3	13.55	5.035	29.13	0
3/14/21 4:45	1.297	77.05	28.53	4.673	29.13	0
3/14/21 5:00	2.236	79.15	15.56	4.03	29.14	0
3/14/21 5:15	3.661	82.4	10.22	4.581	29.14	0
3/14/21 5:30	4.166	85.9	11.14	4.989	29.14	0
3/14/21 5:45	2.447	143.8	36.9	5.161	29.14	0
3/14/21 6:00	2.047	207.1	29.96	5.636	29.11	0
3/14/21 6:15	1.579	78.55	49.18	4.982	29.11	0
3/14/21 6:30	2.472	122.2	20.71	5.492	29.11	0
3/14/21 6:45	2.129	104.6	19.99	5.212	29.11	0
3/14/21 7:00	1.564	71.08	13.6	5.044	29.07	0
3/14/21 7:15	1.594	71.33	10.67	5.61	29.07	0
3/14/21 7:30	1.87	71.62	9.8	5.745	29.07	0
3/14/21 7:45	2.087	95.6	21.64	5.871	29.07	0
3/14/21 8:00	1.818	69.17	21.84	6.162	29.07	0
3/14/21 8:15	1.615	20.76	25.13	7.417	29.07	0
3/14/21 8:30	3.123	35.53	9.34	6.998	29.07	0
3/14/21 8:45	2.844	47.48	8.15	7.43	29.07	0
3/14/21 9:00	3.775	61.9	13.3	8.03	29.08	0
3/14/21 9:15	1.929	53.06	20.98	8.61	29.08	0
3/14/21 9:30	3.091	92.8	20.55	8.41	29.08	0
3/14/21 9:45	2.187	99.4	17.24	8.62	29.08	0
3/14/21 10:00	2.765	76.06	17.77	8.6	29.08	0
3/14/21 10:15	2.081	136.8	66.01	8.73	29.08	0
3/14/21 10:30	5.071	268	12.92	8.4	29.08	0
3/14/21 10:45	1.666	307.5	70.29	8.03	29.08	0
3/14/21 11:00	1.366	46.72	49.15	8.16	29.1	0
3/14/21 11:15	2.941	87.3	15.16	7.839	29.1	0
3/14/21 11:30	1.443	74.63	15.92	8.09	29.1	0
3/14/21 11:45	5.314	78.39	9.79	7.756	29.1	0
3/14/21 12:00	6.683	83	12.38	7.864	29.08	0.01
3/14/21 12:15	5.694	98.2	14.21	8.06	29.08	0.01
3/14/21 12:30	6.194	104.2	6.996	8.35	29.08	0
3/14/21 12:45	7.888	106.9	14.21	8.49	29.08	0.01
3/14/21 13:00	6.6	119.6	16.69	8.71	29.05	0.01
3/14/21 13:15	8.46	134.7	8.41	8.66	29.05	0.01
3/14/21 13:30	8.1	122.9	9.43	8.48	29.05	0.01
3/14/21 13:45	6.794	133.1	18.71	8.54	29.05	0
3/14/21 14:00	6.468	141.4	13.71	8.49	29.04	0.01
3/14/21 14:15	4.724	180.1	23.43	8.21	29.04	0.01
3/14/21 14:30	4.8	222.8	16.03	8.02	29.04	0.01
3/14/21 14:45	6.361	245.2	15.86	7.953	29.04	0.01
3/14/21 15:00	6.783	259	9.8	7.921	29.07	0.01
3/14/21 15:15	8.59	253.6	12.08	7.669	29.07	0.01
3/14/21 15:30	8.78	259.1	10.84	7.367	29.07	0.01
3/14/21 15:45	10.85	240.9	9.15	7.222	29.07	0.01
3/14/21 16:00	10.2	249.7	9.83	6.901	29.09	0
3/14/21 16:15	8.53	253.2	7.981	6.484	29.09	0.01
3/14/21 16:30	6.957	258.8	12.49	6.374	29.09	0
3/14/21 16:45	7.807	254.1	11.56	6.225	29.09	0.01
3/14/21 17:00	7.422	251.6	12.61	6.045	29.1	0
3/14/21 17:15	6.88	328.5	27.46	4.759	29.1	0.01
3/14/21 17:30	9.94	6.526	16.56	3.151	29.1	0.03
3/14/21 17:45	7.105	5.656	29.21	2.781	29.1	0.01
3/14/21 18:00	7.245	10.34	23.86	2.464	29.14	0.01
3/14/21 18:15	6.198	41.67	28.05	2.3	29.14	0
3/14/21 18:30	3.134	31.14	46.69	2.315	29.14	0.01
3/14/21 18:45	5.635	357.4	20.64	2.512	29.14	0
3/14/21 19:00	4.579	20.53	20.74	2.53	29.18	0.01
3/14/21 19:15	3.893	25.9	17.02	2.384	29.18	0.02
3/14/21 19:30	3.681	34.96	17.24	2.132	29.18	0.02
3/14/21 19:45	3.078	98.5	36.26	2.19	29.18	0.01
3/14/21 20:00	3.657	157.6	24.06	2.376	29.2	0.01
3/14/21 20:15	2.532	123.1	70.07	2.599	29.2	0
3/14/21 20:30	3.829	97.7	51.33	2.672	29.2	0
3/14/21 20:45	1.963	141.1	59.33	2.726	29.2	0.01
3/14/21 21:00	2.29	81.7	70.77	2.766	29.2	0
3/14/21 21:15	3.286	24.96	25.49	2.898	29.2	0.01
3/14/21 21:30	4.988	4.434	21.89	3.049	29.2	0
3/14/21 21:45	5.658	16.73	17.48	3.13	29.2	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/14/21 22:00	4.475	23.28	21.8	3.069	29.22	0
3/14/21 22:15	7.277	22.89	21.73	3.174	29.22	0
3/14/21 22:30	3.186	24.37	33.44	3.071	29.22	0
3/14/21 22:45	6.718	15.25	25.61	3.045	29.22	0
3/14/21 23:00	8.12	4.676	14.62	3.25	29.22	0
3/14/21 23:15	6.008	7.957	15.76	3.103	29.22	0
3/14/21 23:30	6.977	4.781	21.01	3.09	29.22	0
3/14/21 23:45	4.403	8.96	23.17	2.997	29.22	0
3/15/21 0:00	4.156	333.5	33.8	3.07	29.23	0
3/15/21 0:15	5.766	331.8	27.31	3.201	29.23	0
3/15/21 0:30	4.911	349.2	17.61	3.118	29.23	0
3/15/21 0:45	3.221	358.8	21.41	3.182	29.23	0
3/15/21 1:00	4.279	12.32	21.87	3.153	29.24	0
3/15/21 1:15	4.616	345.6	24.67	3.259	29.24	0
3/15/21 1:30	5.072	343.2	18.69	3.181	29.24	0
3/15/21 1:45	6.949	344.6	21.89	3.194	29.24	0
3/15/21 2:00	5.881	348.5	23.63	3.095	29.25	0
3/15/21 2:15	5.603	332.1	12.58	2.974	29.25	0
3/15/21 2:30	5.429	347.3	17.04	2.824	29.25	0
3/15/21 2:45	5.118	343.4	13.36	2.551	29.25	0
3/15/21 3:00	5.185	333.8	10.96	2.486	29.26	0
3/15/21 3:15	5.031	267.2	20.87	2.023	29.26	0
3/15/21 3:30	6.032	269.2	7.598	1.789	29.26	0
3/15/21 3:45	8.42	275.9	6.101	1.749	29.26	0
3/15/21 4:00	7.895	271	6.297	1.571	29.26	0
3/15/21 4:15	6.479	264.4	5.853	1.254	29.26	0
3/15/21 4:30	6.716	277.8	6.713	0.979	29.26	0
3/15/21 4:45	6.231	277.9	3.982	0.917	29.26	0
3/15/21 5:00	4.603	280.6	4.914	0.964	29.28	0
3/15/21 5:15	3.056	287.1	24.24	0.724	29.28	0
3/15/21 5:30	4.987	276.4	18.93	0.534	29.28	0
3/15/21 5:45	6.237	268.4	7.677	0.641	29.28	0
3/15/21 6:00	5.476	285	3.426	0.501	29.27	0
3/15/21 6:15	3.705	289.8	3.416	0.475	29.27	0
3/15/21 6:30	3.647	297.2	6.041	0.595	29.27	0
3/15/21 6:45	3.85	285	2.851	0.72	29.27	0
3/15/21 7:00	4.498	286.5	4.023	0.852	29.3	0
3/15/21 7:15	5.656	278.8	6.095	1.078	29.3	0
3/15/21 7:30	6.381	279.1	8.73	1.053	29.3	0
3/15/21 7:45	2.292	40.03	64.63	1.032	29.3	0
3/15/21 8:00	1.089	170.5	45.5	1.433	29.33	0
3/15/21 8:15	2.33	261.5	40.44	1.358	29.33	0
3/15/21 8:30	1.677	262.1	24.05	1.658	29.33	0
3/15/21 8:45	0.803	312.7	67.22	1.958	29.33	0
3/15/21 9:00	0.813	26.76	17.75	2.179	29.35	0
3/15/21 9:15	0.559	23.62	43.11	2.591	29.35	0
3/15/21 9:30	2.805	15.36	18.67	3.007	29.35	0
3/15/21 9:45	4.96	12.42	17.15	3.223	29.35	0
3/15/21 10:00	5.988	13.8	18	3.444	29.34	0
3/15/21 10:15	6.245	28.7	17.4	3.842	29.34	0
3/15/21 10:30	6.826	346.7	35.63	4.539	29.34	0
3/15/21 10:45	7.973	286.4	12.51	3.329	29.34	0
3/15/21 11:00	9.29	289.5	11.05	3.222	29.34	0
3/15/21 11:15	9.53	346.3	26.52	1.795	29.34	0.01
3/15/21 11:30	4.577	42	27.38	1.137	29.34	0.01
3/15/21 11:45	1.86	27.31	16.99	1.673	29.34	0
3/15/21 12:00	1.713	282.2	63.78	2.764	29.36	0
3/15/21 12:15	2.021	233.6	44.28	4.313	29.36	0
3/15/21 12:30	2.467	243	33.1	4.456	29.36	0
3/15/21 12:45	4.5	283.7	17.44	4.242	29.36	0
3/15/21 13:00	5.824	300.4	42.7	4.538	29.33	0
3/15/21 13:15	4.153	45.21	21.82	4.645	29.33	0
3/15/21 13:30	2.783	326	39.36	4.904	29.33	0
3/15/21 13:45	6.548	315.5	14.31	4.999	29.33	0
3/15/21 14:00	3.362	315.4	31.26	5.14	29.36	0
3/15/21 14:15	7.781	296.6	11.45	5.287	29.36	0
3/15/21 14:30	2.87	324.9	55.63	5.486	29.36	0
3/15/21 14:45	4.825	13.63	41.85	5.451	29.36	0
3/15/21 15:00	6.087	335.4	12.02	5.243	29.34	0
3/15/21 15:15	3.768	327.6	8.84	5.276	29.34	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/15/21 15:30	3.441	316.6	18.36	5.389	29.34	0
3/15/21 15:45	4.573	335	16.75	5.402	29.34	0
3/15/21 16:00	5.026	337.4	10.97	5.275	29.37	0
3/15/21 16:15	3.612	332.9	11.81	5.217	29.37	0
3/15/21 16:30	4.024	336.2	7.65	5.171	29.37	0
3/15/21 16:45	5.287	336.3	11.07	5.096	29.37	0
3/15/21 17:00	4.616	342.6	9.91	5.062	29.36	0
3/15/21 17:15	4.576	350.6	12.81	4.978	29.36	0
3/15/21 17:30	4.094	352.6	14.06	4.809	29.36	0
3/15/21 17:45	2.324	355.5	13.67	4.805	29.36	0
3/15/21 18:00	2.18	32.1	31.5	4.626	29.38	0
3/15/21 18:15	1.469	67.59	17.92	4.468	29.38	0
3/15/21 18:30	1.107	78.86	5.46	3.958	29.38	0
3/15/21 18:45	0.75	83.1	0.205	3.898	29.38	0
3/15/21 19:00	1.808	109.2	21.53	3.723	29.37	0
3/15/21 19:15	3.171	141.8	7.227	3.59	29.37	0
3/15/21 19:30	3.243	127.6	9.4	3.438	29.37	0
3/15/21 19:45	1.672	100.6	16.84	3.427	29.37	0
3/15/21 20:00	1.787	115.4	31.94	3.337	29.36	0
3/15/21 20:15	1.937	125.6	13.04	3.389	29.36	0
3/15/21 20:30	1.477	158.6	21.72	3.403	29.36	0
3/15/21 20:45	2.865	218.7	14.57	3.359	29.36	0
3/15/21 21:00	2.627	240.9	11.89	2.84	29.37	0
3/15/21 21:15	2.809	281.8	2.311	2.583	29.37	0
3/15/21 21:30	2.505	310.1	26.42	2.436	29.37	0
3/15/21 21:45	2.297	270.1	29.3	2.615	29.37	0
3/15/21 22:00	0.463	248.3	70.52	2.637	29.38	0
3/15/21 22:15	0.295	354.9	0.092	2.51	29.38	0
3/15/21 22:30	0	0	0	2.73	29.38	0
3/15/21 22:45	0.111	9.12	0.248	2.653	29.38	0
3/15/21 23:00	0.046	7.072	0.331	2.665	29.4	0
3/15/21 23:15	1.15	321.4	4.819	2.78	29.4	0
3/15/21 23:30	1.887	322.1	0.518	2.916	29.4	0
3/15/21 23:45	1.708	299.8	9	2.969	29.4	0
3/16/21 0:00	0.603	295.2	8.31	2.846	29.4	0
3/16/21 0:15	1.244	65.11	16.29	2.301	29.4	0
3/16/21 0:30	0.241	59.04	6.425	2.414	29.4	0
3/16/21 0:45	0.533	55.48	9.53	2.676	29.4	0
3/16/21 1:00	0.484	24.08	31.71	2.759	29.41	0
3/16/21 1:15	1.051	3.885	35.27	3.145	29.41	0
3/16/21 1:30	0.939	25.66	24.34	2.895	29.41	0
3/16/21 1:45	0.981	79.26	9.5	2.916	29.41	0
3/16/21 2:00	0.707	143	25.18	2.823	29.4	0
3/16/21 2:15	0.859	59.5	24.09	2.78	29.4	0
3/16/21 2:30	0.109	47.01	0.679	2.664	29.4	0
3/16/21 2:45	0.048	36.25	0.087	2.84	29.4	0
3/16/21 3:00	0.583	36.26	0.067	2.756	29.39	0
3/16/21 3:15	0.202	331.5	14.75	2.68	29.39	0
3/16/21 3:30	0.308	23.36	13.03	2.682	29.39	0
3/16/21 3:45	0.501	18.37	24.15	2.656	29.39	0
3/16/21 4:00	1.025	57.74	23	2.548	29.38	0
3/16/21 4:15	1.326	290.8	32.27	2.349	29.38	0
3/16/21 4:30	2.511	309.5	21.87	2.106	29.38	0
3/16/21 4:45	2.509	347.5	16.19	1.976	29.38	0
3/16/21 5:00	2.304	335.5	13.16	1.978	29.38	0
3/16/21 5:15	1.563	349.7	12.99	1.837	29.38	0
3/16/21 5:30	2.281	355.4	14.09	1.697	29.38	0
3/16/21 5:45	0.787	39.32	55.56	1.658	29.38	0
3/16/21 6:00	2.514	197.9	17.65	1.406	29.36	0
3/16/21 6:15	1.25	228.1	8.75	1.365	29.36	0
3/16/21 6:30	2.264	191.1	11.69	1.363	29.36	0
3/16/21 6:45	2.172	176.8	14.09	1.287	29.36	0
3/16/21 7:00	2.609	136.9	3.9	0.393	29.38	0
3/16/21 7:15	2.663	131.1	11.68	0.84	29.38	0
3/16/21 7:30	3.579	138.8	4.969	1.327	29.38	0
3/16/21 7:45	3.271	131.1	9.12	1.932	29.38	0
3/16/21 8:00	3.269	139.4	10.18	2.38	29.37	0
3/16/21 8:15	2.413	156.1	18.66	2.731	29.37	0
3/16/21 8:30	1.247	100.4	38.62	3.736	29.37	0
3/16/21 8:45	1.172	258.8	37.27	3.457	29.37	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/16/21 9:00	1.324	289.6	20.36	3.82	29.35	0
3/16/21 9:15	1.545	275.1	35.54	4.613	29.35	0
3/16/21 9:30	1.064	284.2	55.74	5.401	29.35	0
3/16/21 9:45	2.477	279.1	33.34	5.338	29.35	0
3/16/21 10:00	1.794	303.6	46.22	5.717	29.35	0
3/16/21 10:15	5.168	281.6	22.37	5.526	29.35	0
3/16/21 10:30	4.404	297.8	16.37	5.769	29.35	0
3/16/21 10:45	3.503	294.8	21.06	6.255	29.35	0
3/16/21 11:00	4.319	311	58.53	6.736	29.34	0
3/16/21 11:15	6.737	12.05	18.33	6.954	29.34	0
3/16/21 11:30	6.335	9.97	17.29	7.176	29.34	0
3/16/21 11:45	7.368	358.7	31	7.098	29.34	0
3/16/21 12:00	3.65	20.25	38.92	7.847	29.32	0
3/16/21 12:15	5.12	357.5	29.98	7.995	29.32	0
3/16/21 12:30	4.212	346.2	37.02	8.07	29.32	0
3/16/21 12:45	3.646	336.1	18.91	8.44	29.32	0
3/16/21 13:00	3.592	273.1	37.04	8.74	29.31	0
3/16/21 13:15	3.018	41.63	63.17	9.07	29.31	0
3/16/21 13:30	4.649	249.8	42.44	8.74	29.31	0
3/16/21 13:45	5.159	243.6	27.3	9.26	29.31	0
3/16/21 14:00	5.131	274.8	32.88	9.5	29.3	0
3/16/21 14:15	6.761	292	34.02	9.21	29.3	0
3/16/21 14:30	7.832	250.6	24.48	9.72	29.3	0
3/16/21 14:45	8.31	272.2	18.13	9.48	29.3	0
3/16/21 15:00	6.521	255.4	13.45	9.33	29.29	0
3/16/21 15:15	5.229	246.6	40.91	9.62	29.29	0
3/16/21 15:30	4.304	254.4	27.74	9.98	29.29	0
3/16/21 15:45	5.462	270.9	29.3	9.9	29.29	0
3/16/21 16:00	4.642	243.7	17.73	9.97	29.27	0
3/16/21 16:15	4.334	268.3	36.2	10.17	29.27	0
3/16/21 16:30	5.287	240	23.42	9.98	29.27	0
3/16/21 16:45	7.706	257	6.564	9.48	29.27	0
3/16/21 17:00	7.654	255.1	11.2	9.38	29.25	0
3/16/21 17:15	7.018	270.1	9.06	9.37	29.25	0
3/16/21 17:30	5.721	281.6	9.94	9.3	29.25	0
3/16/21 17:45	4.862	291.7	3.542	8.87	29.25	0
3/16/21 18:00	4.921	288.9	2.212	8.57	29.25	0
3/16/21 18:15	6.285	289.8	2.484	8.04	29.25	0
3/16/21 18:30	6.481	285.7	3.533	7.651	29.25	0
3/16/21 18:45	6.798	293.5	3.717	7.287	29.25	0
3/16/21 19:00	6.696	297.4	3.224	6.967	29.25	0
3/16/21 19:15	5.119	311	17.45	6.807	29.25	0
3/16/21 19:30	2.902	351.2	13.28	6.39	29.25	0
3/16/21 19:45	3.597	359.6	14.21	6.002	29.25	0
3/16/21 20:00	4.964	347.7	12.89	5.893	29.24	0
3/16/21 20:15	4.593	359	11.77	5.881	29.24	0
3/16/21 20:30	6.059	16.03	10.28	5.279	29.24	0
3/16/21 20:45	7.358	21.45	6.337	4.837	29.24	0
3/16/21 21:00	5.667	25.76	7.208	4.893	29.26	0
3/16/21 21:15	5.061	29.44	6.128	4.45	29.26	0
3/16/21 21:30	6.314	18.71	7.712	4.433	29.26	0
3/16/21 21:45	4.477	30.92	9.33	4.022	29.26	0
3/16/21 22:00	4.982	42.66	6.146	4.18	29.26	0
3/16/21 22:15	4.304	44.5	9.02	4.46	29.26	0
3/16/21 22:30	4.823	59.28	8.42	4.18	29.26	0
3/16/21 22:45	3.467	66.83	14.32	4.322	29.26	0
3/16/21 23:00	2.86	94.5	11.9	4.738	29.26	0
3/16/21 23:15	1.853	136.8	22.63	5.367	29.26	0
3/16/21 23:30	2.281	177.9	6.366	4.262	29.26	0
3/16/21 23:45	1.115	242.5	25.77	3.488	29.26	0
3/17/21 0:00	0.99	241.9	56.41	3.476	29.27	0
3/17/21 0:15	0.534	21.3	0.178	3.602	29.27	0
3/17/21 0:30	2.36	126.3	22.41	3.409	29.27	0
3/17/21 0:45	3.243	122.8	5.239	3.458	29.27	0
3/17/21 1:00	4.632	125.4	6.603	3.966	29.25	0
3/17/21 1:15	4.81	133.2	5.34	4.012	29.25	0
3/17/21 1:30	2.536	124.7	3.781	4.025	29.25	0
3/17/21 1:45	0.812	95	10.4	3.65	29.25	0
3/17/21 2:00	0.762	20.02	36.6	3.86	29.24	0
3/17/21 2:15	1.531	49.67	31.27	3.961	29.24	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/17/21 2:30	1.335	75.57	2.555	3.702	29.24	0
3/17/21 2:45	1.474	73.77	6.04	3.231	29.24	0
3/17/21 3:00	1.262	66.79	4.988	2.994	29.23	0
3/17/21 3:15	3.487	79.97	4.65	2.591	29.23	0
3/17/21 3:30	2.605	89.2	8.19	2.722	29.23	0
3/17/21 3:45	1.22	74.37	10.96	3.696	29.23	0
3/17/21 4:00	1.673	106	9.52	4.348	29.21	0
3/17/21 4:15	2.147	168.4	11.71	4.226	29.21	0
3/17/21 4:30	2.769	146	7.066	3.246	29.21	0
3/17/21 4:45	1.562	128.4	17.17	2.863	29.21	0
3/17/21 5:00	2.162	124	10.08	2.966	29.2	0
3/17/21 5:15	3.008	124.4	7.972	3.176	29.2	0
3/17/21 5:30	2.36	138.5	17.89	2.625	29.2	0
3/17/21 5:45	1.168	72.61	13.26	2.812	29.2	0
3/17/21 6:00	2.485	110.6	12.67	3.034	29.22	0
3/17/21 6:15	0.568	62.77	11.92	2.862	29.22	0
3/17/21 6:30	2.981	134.6	22.68	2.894	29.22	0
3/17/21 6:45	4.499	142.3	5.073	2.764	29.22	0
3/17/21 7:00	3.472	138.1	20.63	3.103	29.24	0
3/17/21 7:15	0.295	124.6	17.97	3.325	29.24	0
3/17/21 7:30	1.135	3.497	60.06	3.108	29.24	0
3/17/21 7:45	1.702	20.38	24.13	2.879	29.24	0
3/17/21 8:00	0.588	58.11	1.318	3.826	29.24	0
3/17/21 8:15	0.939	55.39	9.1	4.304	29.24	0
3/17/21 8:30	1.308	2.796	8.27	4.269	29.24	0
3/17/21 8:45	2.232	26.59	14.85	4.184	29.24	0
3/17/21 9:00	2.061	74.92	26.33	5.066	29.22	0
3/17/21 9:15	3.447	129.7	18.45	5.836	29.22	0
3/17/21 9:30	3.445	136.2	20.46	6.145	29.22	0
3/17/21 9:45	3.315	126.6	17.49	6.415	29.22	0
3/17/21 10:00	2.72	117.4	41.05	6.986	29.23	0
3/17/21 10:15	2.921	203.4	20.01	7.273	29.23	0
3/17/21 10:30	2.831	231.4	19.77	7.612	29.23	0
3/17/21 10:45	3.011	249.9	27.39	8.22	29.23	0
3/17/21 11:00	1.363	216.4	59.74	9.2	29.19	0
3/17/21 11:15	2.754	261	31.95	9.73	29.19	0
3/17/21 11:30	3.555	273.6	23.2	10.16	29.19	0
3/17/21 11:45	2.646	282	23.74	10.6	29.19	0
3/17/21 12:00	3.124	312.9	24.46	11.11	29.17	0
3/17/21 12:15	2.162	290.4	40.5	11.53	29.17	0
3/17/21 12:30	1.545	274.2	30.37	11.87	29.17	0
3/17/21 12:45	1.545	320	33.82	12.37	29.17	0
3/17/21 13:00	2.694	278.1	49.03	12.32	29.16	0
3/17/21 13:15	3.111	254.3	22.31	12.17	29.16	0
3/17/21 13:30	4.325	273.7	22.38	12.21	29.16	0
3/17/21 13:45	5.006	265	22.31	12.66	29.16	0
3/17/21 14:00	5.517	266.7	17.34	12.89	29.11	0
3/17/21 14:15	6.609	260.6	20.73	12.84	29.11	0
3/17/21 14:30	7.624	250.9	11.88	12.91	29.11	0
3/17/21 14:45	6.232	268.9	23.69	13.49	29.11	0
3/17/21 15:00	5.307	261.3	15.6	13.35	29.12	0
3/17/21 15:15	6.112	253.7	25.32	13.58	29.12	0
3/17/21 15:30	4.159	262.3	28.98	13.82	29.12	0
3/17/21 15:45	5.177	254.5	25.36	13.91	29.12	0
3/17/21 16:00	5.671	275.8	26.55	13.77	29.11	0
3/17/21 16:15	6.449	258.9	9.79	13.77	29.11	0
3/17/21 16:30	4.97	271.7	22.56	13.83	29.11	0
3/17/21 16:45	4.203	269.1	14.49	13.76	29.11	0
3/17/21 17:00	4.739	273.7	20.84	13.36	29.1	0
3/17/21 17:15	4.385	264.5	15.23	13.06	29.1	0
3/17/21 17:30	3.434	267.6	12.49	12.72	29.1	0
3/17/21 17:45	2.808	292.9	25	12.34	29.1	0
3/17/21 18:00	3.503	270.7	5.335	12.11	29.09	0
3/17/21 18:15	4.409	264.5	5.198	11.63	29.09	0
3/17/21 18:30	3.785	272.5	4.781	11.44	29.09	0
3/17/21 18:45	3.157	237.5	5.286	11.3	29.09	0
3/17/21 19:00	1.892	221	9.45	11.28	29.09	0
3/17/21 19:15	2.035	91	22	10.62	29.09	0
3/17/21 19:30	2.993	82.8	13.96	9.84	29.09	0
3/17/21 19:45	2.98	95.4	7.022	10.23	29.09	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/17/21 20:00	3.136	128.8	17.84	10.59	29.09	0
3/17/21 20:15	2.618	106.5	62.61	10.33	29.09	0
3/17/21 20:30	2.185	43.91	24.74	8.75	29.09	0
3/17/21 20:45	2.355	70.2	6.695	8.84	29.09	0
3/17/21 21:00	2.984	72.44	7.106	8.91	29.09	0
3/17/21 21:15	2.862	96.9	7.175	8.7	29.09	0
3/17/21 21:30	2.366	135.1	21.29	9.54	29.09	0
3/17/21 21:45	2.306	130.5	33.66	9.67	29.09	0
3/17/21 22:00	2.279	121.8	15.44	9.64	29.07	0
3/17/21 22:15	1.836	80.6	13.75	9.4	29.07	0
3/17/21 22:30	1.53	72.79	12.4	9.34	29.07	0
3/17/21 22:45	2.668	28.36	8.18	8.93	29.07	0
3/17/21 23:00	4.212	24.35	11.62	8.65	29.04	0
3/17/21 23:15	3.637	5.796	12.13	9.19	29.04	0
3/17/21 23:30	3.528	30.76	9.02	8.24	29.04	0
3/17/21 23:45	3.512	6.234	8.25	8.19	29.04	0
3/18/21 0:00	3.773	355.5	12.27	8.37	29.03	0
3/18/21 0:15	3.096	7.351	11.83	8.57	29.03	0
3/18/21 0:30	4.134	17.94	10.52	7.583	29.03	0
3/18/21 0:45	4.954	6.696	7.365	7.202	29.03	0
3/18/21 1:00	5.116	4.086	11.47	7.225	28.99	0
3/18/21 1:15	4.055	8.03	7.476	6.984	28.99	0
3/18/21 1:30	4.899	6.043	8.74	6.817	28.99	0
3/18/21 1:45	4.906	5.11	8.07	7.123	28.99	0
3/18/21 2:00	3.356	334.9	20.68	7.728	28.99	0
3/18/21 2:15	3.752	300.9	20.08	9.23	28.99	0
3/18/21 2:30	4.021	293	20.82	9.35	28.99	0
3/18/21 2:45	2.887	301.4	31.99	8.21	28.99	0
3/18/21 3:00	1.344	249.3	67.74	8.67	28.94	0
3/18/21 3:15	4.695	125.3	11.05	10.7	28.94	0
3/18/21 3:30	4.013	158.1	18.49	10.09	28.94	0
3/18/21 3:45	3.301	128.6	16.68	9.74	28.94	0
3/18/21 4:00	3.366	146.8	17.21	9.11	28.95	0
3/18/21 4:15	3.636	137.2	13.91	8.18	28.95	0
3/18/21 4:30	2.863	154.4	20.18	6.524	28.95	0
3/18/21 4:45	2.721	137.6	25.45	5.272	28.95	0
3/18/21 5:00	3.271	122.2	16.19	5.452	28.96	0
3/18/21 5:15	3.94	147.2	22.34	5.32	28.96	0
3/18/21 5:30	5.824	174.9	8.43	4.866	28.96	0
3/18/21 5:45	6.351	183.1	4.243	4.341	28.96	0
3/18/21 6:00	3.849	168.9	15.97	4.312	28.97	0
3/18/21 6:15	4.864	135	11.45	4.584	28.97	0
3/18/21 6:30	5.334	130.9	6.958	5.185	28.97	0
3/18/21 6:45	4.799	156.6	25.7	5.848	28.97	0
3/18/21 7:00	9.54	203.4	4.914	5.284	28.94	0
3/18/21 7:15	13.53	215.3	12.62	5.031	28.94	0
3/18/21 7:30	5.507	256.9	70.99	5.063	28.94	0
3/18/21 7:45	4.073	71.32	19.42	4.917	28.94	0
3/18/21 8:00	4.976	103.7	12.75	5.215	29.03	0
3/18/21 8:15	7.411	93.5	9.77	5.529	29.03	0
3/18/21 8:30	7.209	121.1	11.25	5.888	29.03	0
3/18/21 8:45	5.85	107.5	16.26	6.083	29.03	0
3/18/21 9:00	6.091	115.7	14.5	6.524	29.03	0
3/18/21 9:15	4.343	123.6	11.94	7.19	29.03	0
3/18/21 9:30	1.667	53.55	48.13	7.704	29.03	0
3/18/21 9:45	3.261	128.9	18.43	8.22	29.03	0
3/18/21 10:00	4.004	197.3	12.86	8.23	29.04	0
3/18/21 10:15	2.536	219.1	21.17	8.68	29.04	0
3/18/21 10:30	2.031	350.4	43.51	8.86	29.04	0
3/18/21 10:45	2.39	28.06	37.38	8.47	29.04	0
3/18/21 11:00	5.062	38.46	9.27	8.61	29.02	0
3/18/21 11:15	4.355	39.77	14.2	9.12	29.02	0
3/18/21 11:30	4.147	10.33	11.79	9.84	29.02	0
3/18/21 11:45	2.214	15.3	13.58	10.7	29.02	0
3/18/21 12:00	3.521	340.9	38.03	12.26	28.98	0
3/18/21 12:15	5.573	288.4	18.34	13.12	28.98	0
3/18/21 12:30	4.755	1.017	26.75	12.92	28.98	0
3/18/21 12:45	3.508	18.88	12.98	12.6	28.98	0
3/18/21 13:00	2.428	11.32	15.99	13.09	28.97	0
3/18/21 13:15	2.712	32.52	9.16	13.24	28.97	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/18/21 13:30	12.71	272.1	31.68	12.84	28.97	0
3/18/21 13:45	15.06	272.2	11.19	11.96	28.97	0
3/18/21 14:00	15.14	271.1	15.78	11.37	28.99	0
3/18/21 14:15	11.11	259.9	11.26	10.61	28.99	0
3/18/21 14:30	9.19	243.8	19.52	10.56	28.99	0
3/18/21 14:45	12.93	237.8	13	10.19	28.99	0
3/18/21 15:00	15.02	227	10.98	9.54	29.03	0
3/18/21 15:15	13.92	218.5	8.81	9.24	29.03	0
3/18/21 15:30	7.411	203.6	10.29	9	29.03	0
3/18/21 15:45	7.795	206	9.13	9.01	29.03	0
3/18/21 16:00	15.22	212.3	10.6	8.6	29.06	0.02
3/18/21 16:15	15.31	192.8	12.47	7.848	29.06	0.05
3/18/21 16:30	13.76	210.5	14.02	7.353	29.06	0.07
3/18/21 16:45	9.46	149.6	18.24	7.037	29.06	0.02
3/18/21 17:00	9.44	133.3	13.67	6.854	29.09	0.01
3/18/21 17:15	9.38	139.9	9.72	6.877	29.09	0.01
3/18/21 17:30	10.44	142	8.1	7.016	29.09	0
3/18/21 17:45	11.08	141.1	8.23	6.83	29.09	0.01
3/18/21 18:00	12.31	146	9.99	6.652	29.07	0.02
3/18/21 18:15	11.32	133.3	7.92	6.433	29.07	0.01
3/18/21 18:30	7.809	110.4	12.59	6.104	29.07	0.01
3/18/21 18:45	6.812	102.8	11.48	6.103	29.07	0
3/18/21 19:00	7.06	97.1	12.28	6.122	29.08	0
3/18/21 19:15	8.32	112.4	11.07	6.398	29.08	0
3/18/21 19:30	9.69	109.8	11.02	6.639	29.08	0
3/18/21 19:45	7.485	107.4	11.58	6.771	29.08	0
3/18/21 20:00	8.34	117.8	7.531	7.088	29.06	0
3/18/21 20:15	6.255	112	8.69	6.866	29.06	0
3/18/21 20:30	5.239	111.2	11.69	7.079	29.06	0
3/18/21 20:45	3.997	100.9	11.37	7.106	29.06	0
3/18/21 21:00	3.404	126.5	18.11	7.448	29.07	0
3/18/21 21:15	2.816	146.4	27.6	7.582	29.07	0
3/18/21 21:30	1.984	118.8	49.83	6.606	29.07	0
3/18/21 21:45	1.793	60.85	36.33	5.996	29.07	0
3/18/21 22:00	2.29	98	37.92	6.249	29.1	0
3/18/21 22:15	3.716	118.3	14.04	6.091	29.1	0
3/18/21 22:30	4.176	112.7	12.04	6.365	29.1	0
3/18/21 22:45	4.814	125.5	16	6.706	29.1	0
3/18/21 23:00	4.435	109.6	11.33	6.853	29.09	0
3/18/21 23:15	3.937	131.6	23.69	7.093	29.09	0
3/18/21 23:30	4.757	139.8	14.46	6.706	29.09	0
3/18/21 23:45	5.234	145.3	14.2	7.271	29.09	0
3/19/21 0:00	6.328	149.4	18.26	7.36	29.09	0
3/19/21 0:15	7.652	148.5	16.77	6.139	29.09	0
3/19/21 0:30	7.852	119.3	21.07	6.349	29.09	0
3/19/21 0:45	7.349	117.9	14.6	6.669	29.09	0
3/19/21 1:00	6.897	127.7	9.53	6.671	29.1	0
3/19/21 1:15	6.908	139.5	8.71	6.365	29.1	0
3/19/21 1:30	7.608	152.6	11.83	5.574	29.1	0
3/19/21 1:45	9.25	127	12.16	5.041	29.1	0
3/19/21 2:00	10.72	133.6	7.186	5.66	29.09	0
3/19/21 2:15	11.09	123.5	7.266	5.747	29.09	0
3/19/21 2:30	12.29	125.5	7.69	6.112	29.09	0
3/19/21 2:45	12.85	125.4	8.47	5.982	29.09	0
3/19/21 3:00	12.08	126.1	10.46	5.85	29.09	0
3/19/21 3:15	9.88	138.8	10.33	5.619	29.09	0
3/19/21 3:30	8.84	146.1	8.92	5.393	29.09	0
3/19/21 3:45	8.82	137	6.532	5.734	29.09	0
3/19/21 4:00	7.636	145.3	7.931	6.018	29.13	0
3/19/21 4:15	7.276	139.5	8.14	6.292	29.13	0
3/19/21 4:30	5.558	155.4	9.91	6.57	29.13	0
3/19/21 4:45	5.365	155.8	14.32	6.764	29.13	0
3/19/21 5:00	8.09	192.9	13.09	7.011	29.13	0
3/19/21 5:15	4.931	166	19.55	6.155	29.13	0
3/19/21 5:30	4.652	111.3	19.11	5.723	29.13	0
3/19/21 5:45	4.354	113.2	18.77	6.294	29.13	0
3/19/21 6:00	5.033	143.4	20.61	7.079	29.15	0
3/19/21 6:15	5.527	160.9	16.27	6.392	29.15	0
3/19/21 6:30	4.327	145.9	17.24	6.955	29.15	0
3/19/21 6:45	3.803	144.3	35.13	6.203	29.15	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/19/21 7:00	5.433	153.1	27.77	6.021	29.14	0
3/19/21 7:15	5.594	140.2	18.26	6.074	29.14	0
3/19/21 7:30	5.432	157.4	20.26	5.904	29.14	0
3/19/21 7:45	5.804	138.5	17.96	6.373	29.14	0
3/19/21 8:00	3.957	135.6	16.53	6.637	29.17	0
3/19/21 8:15	6.603	116.7	16.64	6.743	29.17	0
3/19/21 8:30	6.75	130	9.65	6.98	29.17	0
3/19/21 8:45	7.646	123.5	10.48	7.61	29.17	0
3/19/21 9:00	7.124	127.7	9.77	8.17	29.17	0
3/19/21 9:15	7.03	135.6	10.13	8.51	29.17	0
3/19/21 9:30	6.259	122.4	11.1	8.88	29.17	0
3/19/21 9:45	5.649	121.5	14.48	9.27	29.17	0
3/19/21 10:00	6.609	141.3	11.65	9.7	29.18	0
3/19/21 10:15	8.37	144.3	13.25	9.83	29.18	0
3/19/21 10:30	11.48	181.6	15.38	10.02	29.18	0
3/19/21 10:45	14.02	183.6	9.29	10.3	29.18	0
3/19/21 11:00	10.72	180.3	11.78	10.63	29.16	0
3/19/21 11:15	14.88	176.5	10.96	10.56	29.16	0
3/19/21 11:30	16.09	179.2	8.41	10.41	29.16	0
3/19/21 11:45	12.37	181.7	8.87	10.64	29.16	0
3/19/21 12:00	11.53	184.7	8	10.87	29.17	0
3/19/21 12:15	13.98	177.4	10.53	10.98	29.17	0
3/19/21 12:30	13.37	178	10.36	11.11	29.17	0
3/19/21 12:45	15.18	176.9	11.57	11.82	29.17	0
3/19/21 13:00	17.46	176	12.65	11.78	29.15	0
3/19/21 13:15	14.56	184.1	10.41	11.8	29.15	0
3/19/21 13:30	14.77	186.5	13.44	12.19	29.15	0
3/19/21 13:45	16.45	184.8	12.19	11.92	29.15	0
3/19/21 14:00	15.68	192.9	8.57	11.54	29.13	0.01
3/19/21 14:15	15.17	186.3	8.21	11.27	29.13	0
3/19/21 14:30	15.46	185.5	16.85	10.7	29.13	0
3/19/21 14:45	13.88	175.3	8.52	10.65	29.13	0
3/19/21 15:00	14.27	175.6	8.43	10.83	29.13	0
3/19/21 15:15	12.59	172.8	7.337	11.05	29.13	0
3/19/21 15:30	13.88	174.2	9.97	11.22	29.13	0
3/19/21 15:45	14.74	177.4	8.94	11.23	29.13	0
3/19/21 16:00	12.87	175.3	9.28	11.19	29.13	0
3/19/21 16:15	14.73	174	8.79	11.15	29.13	0
3/19/21 16:30	10.91	169	11.09	11.07	29.13	0
3/19/21 16:45	13.45	163.1	9.4	11.18	29.13	0
3/19/21 17:00	13.06	165.4	9.84	11.15	29.09	0
3/19/21 17:15	13.41	179	9.29	11	29.09	0
3/19/21 17:30	19.26	179.5	12.89	10.43	29.09	0
3/19/21 17:45	15.39	170.4	9.99	9.71	29.09	0
3/19/21 18:00	11.41	166.5	7.7	9.78	29.11	0
3/19/21 18:15	11.85	162.1	9.33	9.81	29.11	0
3/19/21 18:30	17.75	164.6	9.71	10.07	29.11	0
3/19/21 18:45	17.45	159.5	8.66	9.95	29.11	0
3/19/21 19:00	13.15	169.3	8.95	9.54	29.13	0
3/19/21 19:15	14.22	170.1	7.458	9.34	29.13	0
3/19/21 19:30	14.59	170	8.84	9.28	29.13	0
3/19/21 19:45	14.22	160.7	10.26	9.13	29.13	0
3/19/21 20:00	15.04	166.1	10.44	8.95	29.14	0
3/19/21 20:15	15.76	160.4	10.86	8.92	29.14	0
3/19/21 20:30	15.25	164.3	10.63	8.78	29.14	0
3/19/21 20:45	12.78	165.7	9.72	8.61	29.14	0
3/19/21 21:00	12.15	166.5	9.61	8.64	29.14	0
3/19/21 21:15	11.32	165.4	9.57	8.63	29.14	0
3/19/21 21:30	12.62	168.9	8.68	8.64	29.14	0
3/19/21 21:45	10.86	166.6	7.801	8.59	29.14	0
3/19/21 22:00	14.51	170.8	9.69	8.65	29.15	0
3/19/21 22:15	17.14	179.1	8.68	8.66	29.15	0
3/19/21 22:30	19.2	177.6	11.05	8.59	29.15	0
3/19/21 22:45	17.6	172.5	10.44	8.39	29.15	0
3/19/21 23:00	18.4	168.8	10.22	8.22	29.15	0
3/19/21 23:15	18.16	171.9	10.55	8.01	29.15	0
3/19/21 23:30	17.22	180.1	10.09	7.666	29.15	0
3/19/21 23:45	15.8	173.6	11.09	6.619	29.15	0.01
3/20/21 0:00	9.96	163.3	10.73	6.413	29.17	0
3/20/21 0:15	8.29	148.3	12.93	6.491	29.17	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/20/21 0:30	8.45	162.9	9.71	6.587	29.17	0
3/20/21 0:45	6.824	144.1	9.25	6.351	29.17	0
3/20/21 1:00	9.14	150	9.36	6.623	29.16	0
3/20/21 1:15	9.86	148.4	7.656	6.61	29.16	0
3/20/21 1:30	8.59	150	8.83	6.56	29.16	0
3/20/21 1:45	8.85	164	8.66	6.915	29.16	0
3/20/21 2:00	9.49	174	10.65	6.85	29.19	0
3/20/21 2:15	12.67	173.8	7.661	6.909	29.19	0
3/20/21 2:30	13.03	170.6	7.638	6.817	29.19	0
3/20/21 2:45	12.07	166.7	8.96	6.783	29.19	0
3/20/21 3:00	14.14	169.4	9.3	6.834	29.17	0
3/20/21 3:15	14.12	166.3	10.13	6.861	29.17	0
3/20/21 3:30	13.01	172	8.35	6.749	29.17	0
3/20/21 3:45	10.3	172.8	7.766	6.64	29.17	0
3/20/21 4:00	7.533	161.9	17.19	6.351	29.19	0
3/20/21 4:15	7.492	153.8	15.03	6.313	29.19	0
3/20/21 4:30	7.578	156.9	10.48	6.43	29.19	0
3/20/21 4:45	6.506	142	5.38	6.149	29.19	0
3/20/21 5:00	7.798	148.2	14.39	6.33	29.18	0
3/20/21 5:15	12.31	174.3	13.55	6.198	29.18	0.01
3/20/21 5:30	10.64	171.5	10.34	5.769	29.18	0
3/20/21 5:45	16.95	186	10.29	5.211	29.18	0.04
3/20/21 6:00	10.14	166.6	11.14	4.643	29.22	0.02
3/20/21 6:15	4.926	159.4	11.14	4.44	29.22	0.02
3/20/21 6:30	7.331	167.6	13.96	4.529	29.22	0.02
3/20/21 6:45	6.866	168.1	13.41	4.495	29.22	0.02
3/20/21 7:00	7.743	170.9	9.76	4.54	29.22	0.01
3/20/21 7:15	6.79	144	13.3	4.432	29.22	0
3/20/21 7:30	7.198	136.3	10.07	4.412	29.22	0.01
3/20/21 7:45	6.037	135.3	10.85	4.5	29.22	0
3/20/21 8:00	7.065	137.7	11.99	4.722	29.22	0
3/20/21 8:15	5.582	120.8	8.9	4.723	29.22	0
3/20/21 8:30	5.51	113.7	10.04	4.68	29.22	0
3/20/21 8:45	5.639	118.2	11.62	4.789	29.22	0
3/20/21 9:00	6.282	135.9	10.49	4.963	29.27	0
3/20/21 9:15	6.883	158	12.02	5.104	29.27	0
3/20/21 9:30	7.308	168.8	11.02	5.332	29.27	0
3/20/21 9:45	8.5	167	9.82	5.527	29.27	0
3/20/21 10:00	7.141	171.8	11.02	5.633	29.28	0
3/20/21 10:15	6.062	171.1	9.11	5.809	29.28	0
3/20/21 10:30	9.19	184.5	16.68	6.114	29.28	0
3/20/21 10:45	8.89	196.9	11.46	6.324	29.28	0
3/20/21 11:00	12.01	198	10.57	6.364	29.31	0
3/20/21 11:15	9.72	195.7	10.09	6.389	29.31	0
3/20/21 11:30	8.46	184.6	9.7	6.409	29.31	0
3/20/21 11:45	6.942	175	10.37	6.596	29.31	0
3/20/21 12:00	6.02	184.1	16.39	6.843	29.31	0
3/20/21 12:15	6.028	204.7	45.17	6.852	29.31	0.01
3/20/21 12:30	7.52	249.9	10.18	6.525	29.31	0.02
3/20/21 12:45	7.431	231.8	9.72	6.973	29.31	0
3/20/21 13:00	6.745	242.6	8.57	7.102	29.33	0
3/20/21 13:15	4.638	258.7	13.55	7.545	29.33	0
3/20/21 13:30	5.216	290.5	16.58	7.464	29.33	0
3/20/21 13:45	2.637	275.4	30.98	7.778	29.33	0
3/20/21 14:00	3.284	229	34.41	7.564	29.34	0.03
3/20/21 14:15	3.843	239.1	29.37	8.29	29.34	0
3/20/21 14:30	4.875	148.4	18.97	8.17	29.34	0
3/20/21 14:45	2.96	167.3	67.67	7.895	29.34	0
3/20/21 15:00	4.566	271.3	19.86	8.31	29.34	0
3/20/21 15:15	5.159	243.2	14.18	8.51	29.34	0
3/20/21 15:30	3.971	220.8	18.54	8.72	29.34	0
3/20/21 15:45	4.743	207.2	17.99	8.62	29.34	0.01
3/20/21 16:00	8.66	211.8	19.84	7.859	29.33	0.05
3/20/21 16:15	8.96	251.2	7.583	7.577	29.33	0.01
3/20/21 16:30	8.71	231.8	9.13	7.861	29.33	0
3/20/21 16:45	9.34	224.3	9.42	7.974	29.33	0
3/20/21 17:00	13.62	216.7	9.47	7.981	29.37	0
3/20/21 17:15	18.33	207.3	7.454	7.775	29.37	0
3/20/21 17:30	14.99	206.4	8.84	7.538	29.37	0
3/20/21 17:45	16.56	205.6	6.96	7.245	29.37	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/20/21 18:00	13.11	207.8	9.58	6.964	29.4	0
3/20/21 18:15	13.06	214.5	10.24	6.705	29.4	0
3/20/21 18:30	15.35	214.7	12.19	6.365	29.4	0
3/20/21 18:45	9.58	222.2	9.17	6.174	29.4	0
3/20/21 19:00	7.84	190.8	18.95	6.1	29.41	0
3/20/21 19:15	7.617	180.1	11.74	5.888	29.41	0
3/20/21 19:30	7.224	181.8	8.52	5.777	29.41	0
3/20/21 19:45	8.89	197.3	11.47	5.773	29.41	0
3/20/21 20:00	10.39	202.7	11.56	5.655	29.45	0
3/20/21 20:15	9.46	207.7	8.16	5.545	29.45	0
3/20/21 20:30	8.57	199.2	9.49	5.481	29.45	0
3/20/21 20:45	7.435	193	11.49	5.416	29.45	0
3/20/21 21:00	7.291	173.4	11.32	5.32	29.47	0
3/20/21 21:15	7.596	168.5	10.27	5.262	29.47	0
3/20/21 21:30	8.95	175.5	9.93	5.162	29.47	0
3/20/21 21:45	10.17	184.2	10.83	5.115	29.47	0
3/20/21 22:00	10.7	180.1	10.43	5.019	29.48	0
3/20/21 22:15	10.04	180.8	9.67	4.913	29.48	0
3/20/21 22:30	10.27	181.3	11.63	4.853	29.48	0
3/20/21 22:45	10.2	176.8	10.07	4.815	29.48	0
3/20/21 23:00	11.55	179.9	8.59	4.765	29.47	0
3/20/21 23:15	10.23	176.2	10.36	4.715	29.47	0
3/20/21 23:30	9.33	176.7	11.08	4.676	29.47	0
3/20/21 23:45	9.73	174	12.19	4.623	29.47	0
3/21/21 0:00	10.61	174.3	11.62	4.599	29.51	0
3/21/21 0:15	10.18	177	10.96	4.531	29.51	0
3/21/21 0:30	9.93	180	11.39	4.467	29.51	0
3/21/21 0:45	10.18	180.8	12.09	4.421	29.51	0
3/21/21 1:00	10.34	178.2	9.61	4.4	29.51	0
3/21/21 1:15	10.12	178.3	10.49	4.347	29.51	0
3/21/21 1:30	9.6	173.2	8.72	4.285	29.51	0
3/21/21 1:45	10.31	166	9.48	4.311	29.51	0
3/21/21 2:00	10.03	163.8	9.67	4.352	29.5	0
3/21/21 2:15	6.927	178.5	13.17	4.229	29.5	0
3/21/21 2:30	9.56	178	12.79	4.136	29.5	0.01
3/21/21 2:45	7.719	170.2	9.51	4.084	29.5	0
3/21/21 3:00	10.16	167	8.27	4.188	29.5	0
3/21/21 3:15	10.39	167.5	10.74	4.216	29.5	0
3/21/21 3:30	9.33	171	8.42	4.176	29.5	0
3/21/21 3:45	10	167.3	10.06	4.137	29.5	0
3/21/21 4:00	10.08	169.7	7.9	4.111	29.5	0
3/21/21 4:15	9.95	170.9	9.8	4.077	29.5	0
3/21/21 4:30	10.19	174	8.93	4.074	29.5	0
3/21/21 4:45	11.16	171.6	9.26	4.124	29.5	0
3/21/21 5:00	10.64	176.3	8.45	4.115	29.51	0
3/21/21 5:15	10.32	179.6	9.47	4.109	29.51	0
3/21/21 5:30	10.52	175.9	8.97	4.096	29.51	0
3/21/21 5:45	10.9	177.8	8.32	4.059	29.51	0
3/21/21 6:00	11.71	182.9	7.707	4.056	29.5	0
3/21/21 6:15	10.29	185.1	8.54	4.059	29.5	0
3/21/21 6:30	10.34	184.9	9.01	4.05	29.5	0
3/21/21 6:45	10.86	183.3	9.59	4.049	29.5	0
3/21/21 7:00	11.03	186.1	8.03	4.015	29.49	0
3/21/21 7:15	10.55	180.6	10.77	4.022	29.49	0
3/21/21 7:30	9.57	175.1	10.53	4.051	29.49	0
3/21/21 7:45	9.83	177.4	8.46	4.127	29.49	0
3/21/21 8:00	11.13	176.1	8.29	4.19	29.5	0
3/21/21 8:15	10.77	176.4	8.08	4.323	29.5	0
3/21/21 8:30	11.27	171.4	9.72	4.416	29.5	0
3/21/21 8:45	10.84	170.7	9.58	4.596	29.5	0
3/21/21 9:00	10.93	166.1	9.93	4.686	29.51	0
3/21/21 9:15	11.7	165.8	8.66	4.776	29.51	0
3/21/21 9:30	12.87	170.1	11.4	4.803	29.51	0
3/21/21 9:45	11.24	177.1	9.45	4.652	29.51	0
3/21/21 10:00	12.2	174.6	9.55	4.532	29.5	0
3/21/21 10:15	13.27	176.1	9.74	4.432	29.5	0
3/21/21 10:30	10.49	170.6	8.55	4.466	29.5	0.01
3/21/21 10:45	10.12	185	10.44	4.386	29.5	0.01
3/21/21 11:00	8.35	182.6	11.21	4.348	29.48	0.01
3/21/21 11:15	8.89	184.8	10.46	4.4	29.48	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/21/21 11:30	7.852	179.2	9.05	4.373	29.48	0
3/21/21 11:45	11.17	182.8	10.8	4.382	29.48	0
3/21/21 12:00	9.48	188.7	13.88	4.374	29.49	0.01
3/21/21 12:15	8.68	165.5	9.18	4.309	29.49	0
3/21/21 12:30	9.4	161.9	8.84	4.399	29.49	0
3/21/21 12:45	8.17	150.3	9.94	4.565	29.49	0.01
3/21/21 13:00	8.87	158.6	9.87	4.656	29.48	0
3/21/21 13:15	10.41	153.3	10.7	4.791	29.48	0.01
3/21/21 13:30	10.25	159.7	8.24	4.941	29.48	0
3/21/21 13:45	10.49	152.9	9.97	4.935	29.48	0.01
3/21/21 14:00	10.01	153.4	9.12	4.976	29.43	0
3/21/21 14:15	10.27	148.6	8.4	4.919	29.43	0.01
3/21/21 14:30	9.17	142.2	9.04	4.936	29.43	0
3/21/21 14:45	9.14	138.1	8.5	5.023	29.43	0
3/21/21 15:00	9.62	145.4	7.71	5.017	29.42	0
3/21/21 15:15	11.14	146.7	9.29	5.02	29.42	0.01
3/21/21 15:30	10.91	137	6.959	4.88	29.42	0
3/21/21 15:45	11.17	142.7	8.16	4.837	29.42	0
3/21/21 16:00	12.11	157.6	8.25	4.922	29.41	0
3/21/21 16:15	11.18	154.9	9.6	4.826	29.41	0.01
3/21/21 16:30	10.47	142.1	6.602	4.681	29.41	0
3/21/21 16:45	12.38	143	7.035	4.654	29.41	0
3/21/21 17:00	10.93	138.9	7.004	4.61	29.36	0
3/21/21 17:15	10.11	135.8	7.221	4.635	29.36	0
3/21/21 17:30	10.38	134.6	6.772	4.613	29.36	0
3/21/21 17:45	9.39	140.8	7.075	4.63	29.36	0
3/21/21 18:00	9.9	147.3	6.833	4.661	29.34	0.01
3/21/21 18:15	9	158.8	8.41	4.796	29.34	0
3/21/21 18:30	10.31	162	8.41	4.872	29.34	0
3/21/21 18:45	11	160.7	7.536	4.902	29.34	0
3/21/21 19:00	9.94	154.1	10.65	4.842	29.34	0
3/21/21 19:15	8.56	146.9	7.971	4.669	29.34	0
3/21/21 19:30	7.808	155.2	9.09	4.745	29.34	0
3/21/21 19:45	7.108	157.7	6.939	4.75	29.34	0.01
3/21/21 20:00	5.891	154.9	6.353	4.565	29.31	0
3/21/21 20:15	6.708	147.1	7.903	4.482	29.31	0
3/21/21 20:30	6.706	142.8	9.18	4.537	29.31	0
3/21/21 20:45	7.492	156.3	9.9	4.765	29.31	0
3/21/21 21:00	6.871	147.5	10.82	4.769	29.27	0
3/21/21 21:15	6.532	135.4	10.61	4.712	29.27	0
3/21/21 21:30	6.331	135.3	11.82	4.595	29.27	0
3/21/21 21:45	8.91	148.4	14.09	4.679	29.27	0.01
3/21/21 22:00	9.74	141.9	6.823	4.593	29.26	0
3/21/21 22:15	11.97	139.4	7.097	4.556	29.26	0.01
3/21/21 22:30	10.5	137.9	10.75	4.574	29.26	0
3/21/21 22:45	8.87	135.8	11.1	4.681	29.26	0
3/21/21 23:00	10.87	147.3	10.22	4.789	29.25	0
3/21/21 23:15	13.29	159.7	7.096	4.976	29.25	0
3/21/21 23:30	11.01	148.5	9.74	4.888	29.25	0
3/21/21 23:45	9.63	143.9	9.04	4.835	29.25	0.01
3/22/21 0:00	8.24	153.6	15.1	4.968	29.22	0
3/22/21 0:15	10.3	143.1	10.35	4.975	29.22	0
3/22/21 0:30	9.42	142.4	7.66	4.987	29.22	0
3/22/21 0:45	8.57	141.8	9.74	4.956	29.22	0
3/22/21 1:00	7.939	140.4	9.81	4.882	29.18	0
3/22/21 1:15	7.32	126.6	12.52	4.715	29.18	0
3/22/21 1:30	8.34	130.6	11.95	4.638	29.18	0
3/22/21 1:45	9.34	153.2	13.46	4.834	29.18	0.01
3/22/21 2:00	7.717	166.1	11.79	4.931	29.19	0
3/22/21 2:15	11.93	166.1	9.27	4.914	29.19	0
3/22/21 2:30	11.94	161.3	9.07	4.942	29.19	0
3/22/21 2:45	12.08	164.3	10.6	5.059	29.19	0
3/22/21 3:00	9.45	167.2	12.87	5.018	29.2	0
3/22/21 3:15	8.72	149.4	18.27	4.778	29.2	0
3/22/21 3:30	5.8	121.9	13.15	4.55	29.2	0
3/22/21 3:45	7.479	134	10.98	4.509	29.2	0
3/22/21 4:00	7.517	156.5	10.84	4.584	29.18	0
3/22/21 4:15	8.28	165.2	9.94	4.582	29.18	0
3/22/21 4:30	8.3	167.3	9.86	4.546	29.18	0
3/22/21 4:45	7.035	171.7	16.56	4.604	29.18	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/22/21 5:00	8.53	186.7	9.41	4.7	29.2	0
3/22/21 5:15	8.48	191.1	9.01	4.66	29.2	0
3/22/21 5:30	7.531	185.7	8.4	4.698	29.2	0
3/22/21 5:45	6.315	175.9	11.47	4.716	29.2	0
3/22/21 6:00	3.815	152.2	37.43	4.745	29.22	0
3/22/21 6:15	3.044	41.28	28.93	4.185	29.22	0
3/22/21 6:30	4.608	36.45	13.22	3.849	29.22	0.01
3/22/21 6:45	4.393	15.83	19.99	3.904	29.22	0.02
3/22/21 7:00	5.949	60.83	37.17	3.671	29.21	0.01
3/22/21 7:15	5.363	346.9	73.44	3.726	29.21	0.01
3/22/21 7:30	5.205	5.8	11.73	3.406	29.21	0.02
3/22/21 7:45	5.931	351	15.6	3.14	29.21	0.03
3/22/21 8:00	7.391	14.89	9.37	2.701	29.21	0.03
3/22/21 8:15	7.696	25.03	9.04	2.611	29.21	0.03
3/22/21 8:30	4.358	49.84	13.6	2.579	29.21	0.04
3/22/21 8:45	3.713	108.2	21.04	2.736	29.21	0
3/22/21 9:00	3.287	160.2	12.02	3.023	29.22	0
3/22/21 9:15	5.167	172.8	8.85	3.054	29.22	0.01
3/22/21 9:30	5.911	166	7.669	2.914	29.22	0
3/22/21 9:45	5.456	164.2	6.243	3.002	29.22	0
3/22/21 10:00	4.826	143	12.13	3.272	29.25	0
3/22/21 10:15	4.673	134.9	7.38	3.471	29.25	0
3/22/21 10:30	5.363	135.7	15.01	4.793	29.25	0
3/22/21 10:45	5.075	122.4	14.95	5.195	29.25	0
3/22/21 11:00	4.752	121.7	14.28	5.576	29.28	0
3/22/21 11:15	5.373	119.3	16.61	6.613	29.28	0
3/22/21 11:30	5.233	147.8	16.77	6.194	29.28	0
3/22/21 11:45	5.852	170.1	24.15	5.968	29.28	0
3/22/21 12:00	6.54	175.9	17.07	6.041	29.29	0
3/22/21 12:15	6.49	169.9	18.42	6.928	29.29	0
3/22/21 12:30	4.558	153.6	20.34	6.579	29.29	0
3/22/21 12:45	4.159	54.07	29.15	6.052	29.29	0.01
3/22/21 13:00	5.971	57.2	11.73	5.274	29.3	0
3/22/21 13:15	4.021	51.46	14.26	6.193	29.3	0
3/22/21 13:30	4.647	59.15	14.14	6.488	29.3	0
3/22/21 13:45	2.973	72.23	21.25	7.222	29.3	0
3/22/21 14:00	2.258	30.52	31.11	7.013	29.3	0
3/22/21 14:15	5.214	316.7	16.83	6.681	29.3	0
3/22/21 14:30	14.09	316.9	7.669	4.853	29.3	0.02
3/22/21 14:45	5.429	301.8	23.03	4.208	29.3	0.01
3/22/21 15:00	2.671	290.6	35.4	5.066	29.32	0
3/22/21 15:15	2.564	120.2	77.51	5.74	29.32	0
3/22/21 15:30	3.458	84.7	16.82	5.819	29.32	0
3/22/21 15:45	2.671	113.8	20.76	6.115	29.32	0
3/22/21 16:00	2.64	109.3	25.09	6.755	29.31	0
3/22/21 16:15	2.55	62.61	21.23	6.855	29.31	0
3/22/21 16:30	2.613	133.4	34.03	7.352	29.31	0
3/22/21 16:45	2.155	109.2	25.4	7.441	29.31	0
3/22/21 17:00	2.23	207.9	35.14	7.984	29.33	0
3/22/21 17:15	2.05	201.3	21.9	7.878	29.33	0
3/22/21 17:30	3.049	5.124	58.51	7.827	29.33	0
3/22/21 17:45	8.43	336	15.97	7.676	29.33	0
3/22/21 18:00	8.03	329.8	18.58	7.237	29.33	0
3/22/21 18:15	9.4	309.3	15.07	6.874	29.33	0
3/22/21 18:30	8.47	327.4	10.69	6.424	29.33	0
3/22/21 18:45	8.98	0.936	15.52	6.439	29.33	0
3/22/21 19:00	6.205	358.9	13.64	6.211	29.37	0
3/22/21 19:15	7.783	350.6	15.14	5.965	29.37	0
3/22/21 19:30	6.069	339.3	11.55	5.813	29.37	0
3/22/21 19:45	4.531	333.3	8.94	5.566	29.37	0
3/22/21 20:00	3.688	335.9	12.18	5.449	29.41	0
3/22/21 20:15	1.664	309.1	22.88	5.41	29.41	0
3/22/21 20:30	2.464	281.6	17.85	5.46	29.41	0
3/22/21 20:45	1.528	305.1	13.27	4.914	29.41	0
3/22/21 21:00	0.887	321.5	13.18	4.914	29.44	0
3/22/21 21:15	1.31	25.18	37.99	4.79	29.44	0
3/22/21 21:30	2.21	59.8	23.89	4.249	29.44	0
3/22/21 21:45	3.279	95.5	7.669	3.83	29.44	0
3/22/21 22:00	3.175	156.2	30.76	3.904	29.47	0
3/22/21 22:15	5.478	175	14.11	3.821	29.47	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/22/21 22:30	2.665	187.1	21.18	3.298	29.47	0
3/22/21 22:45	3.245	181.5	14.77	3.121	29.47	0
3/22/21 23:00	2.413	147.8	16.87	3.148	29.49	0
3/22/21 23:15	1.508	134	20.12	2.61	29.49	0
3/22/21 23:30	1.732	138.3	11.96	2.468	29.49	0
3/22/21 23:45	1.818	150.4	16	2.878	29.49	0
3/23/21 0:00	3.38	153.2	13.25	2.801	29.51	0
3/23/21 0:15	3.206	147.3	10.37	3.26	29.51	0
3/23/21 0:30	1.321	121.1	65.31	3.333	29.51	0
3/23/21 0:45	1.12	130.9	59.34	3.474	29.51	0
3/23/21 1:00	1.171	298.9	6.556	3.154	29.53	0
3/23/21 1:15	0.166	69.53	9.61	3.101	29.53	0
3/23/21 1:30	0.66	72.01	28.78	3.15	29.53	0
3/23/21 1:45	1.525	335.6	61.79	4.026	29.53	0
3/23/21 2:00	1.862	43.53	22.29	3.911	29.54	0
3/23/21 2:15	1.25	255.2	62.54	4.28	29.54	0
3/23/21 2:30	0.843	348.5	31.22	4.181	29.54	0
3/23/21 2:45	1.266	1.485	72.13	4.226	29.54	0
3/23/21 3:00	0.859	211.3	50.81	4.297	29.54	0
3/23/21 3:15	2.556	228.3	29.91	3.224	29.54	0
3/23/21 3:30	3.033	245.6	18.43	3.154	29.54	0
3/23/21 3:45	2.686	228.3	22.06	3.219	29.54	0
3/23/21 4:00	4.598	214.8	7.315	3.352	29.57	0
3/23/21 4:15	3.716	219.8	11.62	3.29	29.57	0
3/23/21 4:30	1.074	312	23.98	2.954	29.57	0
3/23/21 4:45	1.798	22.01	13.66	2.77	29.57	0
3/23/21 5:00	2.03	34.04	8.77	2.775	29.6	0
3/23/21 5:15	2.187	77.55	16.14	2.972	29.6	0
3/23/21 5:30	2.72	97	8.73	3.096	29.6	0
3/23/21 5:45	2.407	93.6	14.13	3.184	29.6	0
3/23/21 6:00	2.414	124.2	17.48	3.186	29.61	0
3/23/21 6:15	2.682	138.9	4.787	3.232	29.61	0
3/23/21 6:30	2.564	154.8	5.591	3.417	29.61	0
3/23/21 6:45	2.509	157.8	13.86	3.623	29.61	0
3/23/21 7:00	0.469	43.96	31.81	3.326	29.63	0
3/23/21 7:15	1.651	109.1	18.64	3.852	29.63	0
3/23/21 7:30	2.092	127.6	23.49	4.575	29.63	0
3/23/21 7:45	2.031	183.8	24.68	5.097	29.63	0
3/23/21 8:00	2.235	210.8	14.91	5.333	29.64	0
3/23/21 8:15	2.82	194.6	24.46	5.384	29.64	0
3/23/21 8:30	3.672	215.5	13.31	5.103	29.64	0
3/23/21 8:45	2.812	249.3	13.42	5.029	29.64	0
3/23/21 9:00	0.675	90.5	45.47	5.745	29.65	0
3/23/21 9:15	2.177	51.92	34.71	6.676	29.65	0
3/23/21 9:30	2.405	28.73	29.56	7.562	29.65	0
3/23/21 9:45	3.33	28.36	17.73	7.185	29.65	0
3/23/21 10:00	1.796	15.25	37	7.813	29.66	0
3/23/21 10:15	2.123	298.2	51.05	8.56	29.66	0
3/23/21 10:30	2.482	302.9	72.63	8.18	29.66	0
3/23/21 10:45	3.589	10.51	19.04	7.866	29.66	0
3/23/21 11:00	4.105	18.58	12.87	7.867	29.64	0
3/23/21 11:15	2.592	355.9	26.37	8.22	29.64	0
3/23/21 11:30	4.223	10.69	16.89	7.845	29.64	0
3/23/21 11:45	3.792	349.8	21.04	8.11	29.64	0
3/23/21 12:00	4.834	5.008	12.62	8.19	29.66	0
3/23/21 12:15	5.017	331.2	14.14	8.37	29.66	0
3/23/21 12:30	1.948	0.423	27.91	8.55	29.66	0
3/23/21 12:45	3.437	16.77	26.14	9.38	29.66	0
3/23/21 13:00	6.953	21.27	14.97	8.41	29.64	0
3/23/21 13:15	7.136	20.13	11.93	8.38	29.64	0
3/23/21 13:30	3.841	3.085	26.05	8.96	29.64	0
3/23/21 13:45	2.629	5.183	34.44	9.48	29.64	0
3/23/21 14:00	2.681	314	42.77	10.23	29.64	0
3/23/21 14:15	2.145	22.59	23.56	10.5	29.64	0
3/23/21 14:30	6.34	11.71	14.43	9.27	29.64	0
3/23/21 14:45	2.753	351.8	9.75	9.29	29.64	0
3/23/21 15:00	1.4	12.5	14.43	9.39	29.62	0
3/23/21 15:15	1.027	71.54	30.44	9.94	29.62	0
3/23/21 15:30	1.464	18.53	59.53	10.25	29.62	0
3/23/21 15:45	0.71	96.2	58.83	10.28	29.62	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/23/21 16:00	1.171	57.74	39.95	10.56	29.62	0
3/23/21 16:15	2.37	53.05	38.88	10.23	29.62	0
3/23/21 16:30	2.525	331.3	17.03	10.56	29.62	0
3/23/21 16:45	4.482	304.6	23.56	10.73	29.62	0
3/23/21 17:00	2.778	334.5	35.52	10.59	29.6	0
3/23/21 17:15	3.549	256.6	30.09	10.59	29.6	0
3/23/21 17:30	4.932	290.2	12.37	10.07	29.6	0
3/23/21 17:45	4.887	285.6	10.46	9.78	29.6	0
3/23/21 18:00	4.798	275.2	6.731	9.48	29.58	0
3/23/21 18:15	4.401	260.7	6.774	9.22	29.58	0
3/23/21 18:30	4.305	272.8	3.931	9.01	29.58	0
3/23/21 18:45	4.399	273.8	5.566	8.82	29.58	0
3/23/21 19:00	4.309	295.6	21.98	8.6	29.58	0
3/23/21 19:15	3.124	332.1	11.01	8.08	29.58	0
3/23/21 19:30	2.279	354.1	14.12	7.92	29.58	0
3/23/21 19:45	1.849	17.68	15.77	7.799	29.58	0
3/23/21 20:00	2.219	63.71	9.89	7.482	29.55	0
3/23/21 20:15	1.7	71.34	19.8	7.12	29.55	0
3/23/21 20:30	3.461	168.5	15.3	7.57	29.55	0
3/23/21 20:45	3.61	135.4	17.94	7.372	29.55	0
3/23/21 21:00	2.496	91.2	15.87	7.164	29.53	0
3/23/21 21:15	2.418	77.33	10.6	6.583	29.53	0
3/23/21 21:30	3.474	95.4	10.91	6.316	29.53	0
3/23/21 21:45	3.618	134.4	13.59	6.821	29.53	0
3/23/21 22:00	3.565	135.4	11.87	6.992	29.52	0
3/23/21 22:15	3.821	164.5	30.63	6.892	29.52	0
3/23/21 22:30	4.689	189.3	10.67	6.43	29.52	0
3/23/21 22:45	4.777	181	16.23	6.382	29.52	0
3/23/21 23:00	6.8	182	6.891	6.119	29.5	0
3/23/21 23:15	6.921	146	10.94	5.949	29.5	0
3/23/21 23:30	6.979	137.4	5.002	5.895	29.5	0
3/23/21 23:45	7.26	143	5.742	5.908	29.5	0
3/24/21 0:00	6.282	145.5	11.63	5.859	29.45	0
3/24/21 0:15	5.362	135	9.23	5.761	29.45	0
3/24/21 0:30	6.762	137.3	6.752	5.623	29.45	0
3/24/21 0:45	6.492	156.4	16.16	5.654	29.45	0
3/24/21 1:00	8.11	166.1	7.74	5.724	29.45	0
3/24/21 1:15	7.991	163.7	6.876	5.529	29.45	0
3/24/21 1:30	8.72	160.7	7.662	5.294	29.45	0
3/24/21 1:45	10.22	157.2	13.24	5.011	29.45	0.01
3/24/21 2:00	8.92	149.7	11.49	4.803	29.4	0.01
3/24/21 2:15	8.66	163.8	7.481	4.832	29.4	0
3/24/21 2:30	8.4	155	8.98	4.688	29.4	0
3/24/21 2:45	8.59	154.4	10.1	4.653	29.4	0
3/24/21 3:00	8.42	138.5	9.6	4.603	29.37	0
3/24/21 3:15	8.72	137.2	8.02	4.604	29.37	0
3/24/21 3:30	6.592	158.7	14.87	4.748	29.37	0
3/24/21 3:45	10.84	163.8	13.76	4.872	29.37	0
3/24/21 4:00	13.58	172.8	11.27	4.726	29.34	0
3/24/21 4:15	13.4	162.8	9.96	4.578	29.34	0
3/24/21 4:30	10.18	149.7	14.52	4.529	29.34	0
3/24/21 4:45	10.09	148.4	9.25	4.46	29.34	0
3/24/21 5:00	9.03	146.2	9.37	4.364	29.28	0
3/24/21 5:15	11.68	129.6	10.35	4.346	29.28	0
3/24/21 5:30	8.92	122.3	8.53	4.273	29.28	0
3/24/21 5:45	10.02	129.8	8.67	4.351	29.28	0
3/24/21 6:00	9.89	141.5	7.092	4.367	29.23	0
3/24/21 6:15	8.54	157.9	9.27	4.598	29.23	0
3/24/21 6:30	7.655	153.5	10.74	4.662	29.23	0
3/24/21 6:45	8.98	149.6	10.28	4.818	29.23	0
3/24/21 7:00	8.87	154.2	11.88	5.069	29.2	0
3/24/21 7:15	7.573	134.8	11.49	5.027	29.2	0
3/24/21 7:30	7.619	134.6	10.66	5.055	29.2	0
3/24/21 7:45	6.583	126.7	10.51	5.044	29.2	0
3/24/21 8:00	6.246	125.5	10.31	5.016	29.16	0
3/24/21 8:15	5.727	122.5	16.37	5.226	29.16	0
3/24/21 8:30	5.329	134.9	16.65	5.468	29.16	0
3/24/21 8:45	8.43	157.6	14.56	5.646	29.16	0
3/24/21 9:00	7.908	176.8	11.91	5.794	29.12	0
3/24/21 9:15	12.03	175.5	11.11	5.892	29.12	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/24/21 9:30	12.91	176.9	12.82	5.867	29.12	0
3/24/21 9:45	14.08	169.8	9.69	5.935	29.12	0
3/24/21 10:00	13.06	170.6	11.7	6.022	29.12	0
3/24/21 10:15	12.74	173.5	10.62	6.226	29.12	0
3/24/21 10:30	12.08	177.4	12.36	6.398	29.12	0
3/24/21 10:45	15.32	174.2	11.73	6.596	29.12	0
3/24/21 11:00	15.99	178.7	10.65	6.818	29.07	0
3/24/21 11:15	15.37	176.8	12.64	7.103	29.07	0
3/24/21 11:30	12.96	176.5	10.63	7.303	29.07	0
3/24/21 11:45	14.05	175	11.56	7.483	29.07	0
3/24/21 12:00	14.43	173.6	10.08	7.636	29.03	0
3/24/21 12:15	15.42	180.5	10.23	7.76	29.03	0
3/24/21 12:30	12.9	178.2	13.35	7.927	29.03	0
3/24/21 12:45	13.33	190.8	11.97	8.04	29.03	0
3/24/21 13:00	12.61	183.3	9.69	8.21	29.01	0
3/24/21 13:15	12.46	185.6	10.91	8.39	29.01	0
3/24/21 13:30	12.5	187.2	11.86	8.6	29.01	0
3/24/21 13:45	12.85	194.8	11.25	8.52	29.01	0
3/24/21 14:00	11.95	183.3	8.41	8.58	28.97	0
3/24/21 14:15	16.81	192.8	9.15	8.49	28.97	0
3/24/21 14:30	11.69	191.1	12.97	8.68	28.97	0
3/24/21 14:45	11.21	195.9	9.71	9.08	28.97	0
3/24/21 15:00	13.61	206.2	10.04	9.37	28.96	0
3/24/21 15:15	16.63	206	10.53	9.21	28.96	0
3/24/21 15:30	15.69	191.8	9.12	9.35	28.96	0
3/24/21 15:45	15.5	200	9.73	9.6	28.96	0
3/24/21 16:00	12.46	192.3	8.82	9.02	28.97	0
3/24/21 16:15	9.53	193.2	13.2	8.65	28.97	0
3/24/21 16:30	8.48	166.6	9.78	8.09	28.97	0
3/24/21 16:45	6.732	163.8	7.171	7.879	28.97	0
3/24/21 17:00	8.04	169.1	10.73	7.925	28.97	0
3/24/21 17:15	9.07	184.9	13.57	7.694	28.97	0
3/24/21 17:30	6.684	163.3	9.82	7.374	28.97	0
3/24/21 17:45	6.167	166.5	7.755	7.318	28.97	0
3/24/21 18:00	2.972	177.2	23.36	7.204	28.95	0.01
3/24/21 18:15	5.155	307.9	18.44	6.649	28.95	0.09
3/24/21 18:30	2.039	338.8	8.68	6.037	28.95	0.04
3/24/21 18:45	0.713	160.8	3.751	5.829	28.95	0.03
3/24/21 19:00	2.285	153.2	10.72	5.704	28.94	0.03
3/24/21 19:15	2.327	144.5	6.377	5.623	28.94	0
3/24/21 19:30	3.41	113.8	24.54	5.625	28.94	0
3/24/21 19:45	2.963	91.4	7.162	5.43	28.94	0.01
3/24/21 20:00	3.001	100.8	7.914	5.371	28.97	0
3/24/21 20:15	3.5	125.4	13.26	5.285	28.97	0
3/24/21 20:30	4.587	128	10.51	5.291	28.97	0
3/24/21 20:45	4.882	146.4	15.31	5.32	28.97	0
3/24/21 21:00	5.254	192.9	9.11	5.429	28.96	0.02
3/24/21 21:15	5.804	179.1	12.15	5.424	28.96	0.02
3/24/21 21:30	1.761	104.7	33.27	5.33	28.96	0.01
3/24/21 21:45	3.304	103.1	44.44	5.267	28.96	0
3/24/21 22:00	4.371	84.9	18.76	5.066	28.97	0.01
3/24/21 22:15	5.311	116.9	9.07	5.006	28.97	0
3/24/21 22:30	3.543	111.4	17.91	5.031	28.97	0
3/24/21 22:45	4.448	107.1	11.19	5.023	28.97	0
3/24/21 23:00	5.262	123.2	15.65	5.027	28.95	0.01
3/24/21 23:15	4.21	96.8	9.76	4.925	28.95	0
3/24/21 23:30	4.346	112.5	14.81	4.881	28.95	0
3/24/21 23:45	4.62	116.8	8.98	4.859	28.95	0.01
3/25/21 0:00	4.352	145.5	11.1	4.795	28.95	0
3/25/21 0:15	3.916	122.3	10.95	4.709	28.95	0.03
3/25/21 0:30	3.688	117.6	8.41	4.638	28.95	0.03
3/25/21 0:45	3.079	86.8	15.83	4.619	28.95	0.01
3/25/21 1:00	4.777	97.8	8.74	4.542	28.98	0.01
3/25/21 1:15	3.628	106.3	10.29	4.548	28.98	0.03
3/25/21 1:30	3.139	101.8	8.91	4.602	28.98	0.03
3/25/21 1:45	2.538	132.1	20.71	4.609	28.98	0.01
3/25/21 2:00	1.992	131.9	21.84	4.643	28.95	0.02
3/25/21 2:15	1.597	59.86	10.46	4.582	28.95	0.01
3/25/21 2:30	4.196	72.45	14.48	4.4	28.95	0.02
3/25/21 2:45	4.89	92.9	11.69	4.214	28.95	0.02

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/25/21 3:00	4.635	85.2	10.92	4.095	28.95	0.02
3/25/21 3:15	4.73	80.9	9.5	4.03	28.95	0.03
3/25/21 3:30	5.936	105.6	12.85	3.997	28.95	0.02
3/25/21 3:45	4.957	107.4	7.717	3.969	28.95	0.01
3/25/21 4:00	3.937	110.9	9.96	3.944	28.98	0.01
3/25/21 4:15	3.649	116.3	12.79	3.929	28.98	0
3/25/21 4:30	3.557	83.2	12.54	3.92	28.98	0.01
3/25/21 4:45	4.185	94.3	11.49	3.896	28.98	0
3/25/21 5:00	4.698	95.7	10.85	3.931	28.98	0.01
3/25/21 5:15	3.781	90	9.99	3.947	28.98	0.01
3/25/21 5:30	4.151	96.2	8.56	3.961	28.98	0.01
3/25/21 5:45	4.896	102.9	9.09	3.987	28.98	0.01
3/25/21 6:00	4.662	103.9	8.27	4	28.98	0
3/25/21 6:15	3.929	93.9	10.21	4.004	28.98	0.01
3/25/21 6:30	3.53	72.64	10.81	4.017	28.98	0.01
3/25/21 6:45	3.349	76.42	8.35	4.028	28.98	0
3/25/21 7:00	3.135	65.1	9.6	4.096	29.01	0.01
3/25/21 7:15	2.435	56.35	7.737	4.135	29.01	0.01
3/25/21 7:30	2.916	92.6	12.59	4.14	29.01	0
3/25/21 7:45	3.456	106.4	8.96	4.349	29.01	0
3/25/21 8:00	4.245	103.5	10.38	4.522	29.04	0.01
3/25/21 8:15	3.378	81.2	15.01	4.684	29.04	0
3/25/21 8:30	3.196	76.7	22.75	5.063	29.04	0
3/25/21 8:45	3.563	70.97	17.97	5.303	29.04	0
3/25/21 9:00	3.379	73.92	19.16	5.323	29.06	0
3/25/21 9:15	2.908	71.54	22.73	5.354	29.06	0
3/25/21 9:30	1.824	125.4	21.6	5.605	29.06	0
3/25/21 9:45	1.412	82.4	22.4	5.863	29.06	0
3/25/21 10:00	1.089	59.92	19.99	6.166	29.09	0
3/25/21 10:15	2.011	37.59	21.28	6.7	29.09	0
3/25/21 10:30	1.665	47.56	37.42	7.467	29.09	0
3/25/21 10:45	3.298	14.91	28.83	8.01	29.09	0
3/25/21 11:00	5.312	326.6	19.67	7.04	29.09	0
3/25/21 11:15	3.836	332.1	12.57	6.655	29.09	0
3/25/21 11:30	2.424	340.2	19.09	7.027	29.09	0
3/25/21 11:45	2.382	354	30.56	7.682	29.09	0
3/25/21 12:00	5.072	359.2	19.1	7.478	29.1	0
3/25/21 12:15	5.499	354.6	15.4	7.412	29.1	0
3/25/21 12:30	3.823	4.432	18.91	7.66	29.1	0
3/25/21 12:45	6.418	356.5	20.17	7.791	29.1	0
3/25/21 13:00	6.944	332.5	11.47	7.583	29.12	0
3/25/21 13:15	6.455	333	13.69	7.741	29.12	0
3/25/21 13:30	6.183	320.7	22.76	8.19	29.12	0
3/25/21 13:45	6.925	283	13.43	9.04	29.12	0
3/25/21 14:00	5.896	290.8	20.59	9.48	29.13	0
3/25/21 14:15	3.914	1.993	19.58	9.11	29.13	0
3/25/21 14:30	6.038	353.5	20.57	9.17	29.13	0
3/25/21 14:45	5.279	321	31.03	9.78	29.13	0
3/25/21 15:00	7.933	3.835	12.5	9.12	29.14	0
3/25/21 15:15	5.234	351.9	17.53	9.28	29.14	0
3/25/21 15:30	6.28	7.82	27.08	9.63	29.14	0
3/25/21 15:45	6.017	324.4	37.65	9.45	29.14	0
3/25/21 16:00	6.259	288.5	10.48	9.3	29.15	0
3/25/21 16:15	3.557	5.73	19.73	9.35	29.15	0
3/25/21 16:30	5.513	10.24	15.31	9.33	29.15	0
3/25/21 16:45	5.328	5.502	14.53	9.04	29.15	0
3/25/21 17:00	3.196	17.57	16.71	9.38	29.16	0
3/25/21 17:15	7.28	304.5	33.27	9.97	29.16	0
3/25/21 17:30	8.48	295.9	14.3	9.91	29.16	0
3/25/21 17:45	4.911	327.7	22.45	9.86	29.16	0
3/25/21 18:00	6.097	352	14.77	9.25	29.18	0
3/25/21 18:15	6.151	6.433	11.28	8.55	29.18	0
3/25/21 18:30	5.252	9.63	8.42	7.91	29.18	0
3/25/21 18:45	3.405	3.341	8.21	7.87	29.18	0
3/25/21 19:00	2.108	330.9	13.99	7.988	29.2	0
3/25/21 19:15	1.851	295.9	9.02	8.01	29.2	0
3/25/21 19:30	2.646	308.7	12.16	7.838	29.2	0
3/25/21 19:45	2.623	352.1	12.09	7.055	29.2	0
3/25/21 20:00	2.584	8.02	10.91	6.852	29.21	0
3/25/21 20:15	2.622	33.18	10.35	6.393	29.21	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/25/21 20:30	2.192	85.4	46.19	5.948	29.21	0
3/25/21 20:45	2.727	146.9	14.96	6.27	29.21	0
3/25/21 21:00	3.318	143.9	17.51	6.829	29.24	0
3/25/21 21:15	2.649	84.6	19.48	5.155	29.24	0
3/25/21 21:30	1.664	57.39	7.19	5.058	29.24	0
3/25/21 21:45	1.256	57.68	1.369	5.69	29.24	0
3/25/21 22:00	2.165	79.37	13.63	5.572	29.27	0
3/25/21 22:15	2.678	80.3	7.646	4.959	29.27	0
3/25/21 22:30	2.881	112.5	33.85	4.841	29.27	0
3/25/21 22:45	3.019	152	12.25	5.507	29.27	0
3/25/21 23:00	3.268	144.5	9.03	5.23	29.28	0
3/25/21 23:15	3.347	124.7	5.886	5.572	29.28	0
3/25/21 23:30	3.142	109.4	21.74	4.683	29.28	0
3/25/21 23:45	3.916	128.5	7.736	4.777	29.28	0
3/26/21 0:00	4.134	128.5	8.79	4.832	29.28	0
3/26/21 0:15	2.823	128.4	16.06	4.624	29.28	0
3/26/21 0:30	3.577	156.7	13.54	4.181	29.28	0
3/26/21 0:45	4.912	169.1	14.49	3.46	29.28	0
3/26/21 1:00	4.657	157.1	8.66	3.707	29.29	0
3/26/21 1:15	4.484	129.4	6.697	4.606	29.29	0
3/26/21 1:30	2.896	102.4	17.89	5.152	29.29	0
3/26/21 1:45	2.896	96.8	16.12	4.737	29.29	0
3/26/21 2:00	4.918	130.4	14.91	5.096	29.31	0
3/26/21 2:15	6.006	145.4	5.784	4.867	29.31	0
3/26/21 2:30	5.703	131.2	8.46	4.818	29.31	0
3/26/21 2:45	4.836	115.9	8.05	5.226	29.31	0
3/26/21 3:00	5.392	136.5	9.16	5.276	29.32	0
3/26/21 3:15	5.456	141.4	4.185	5.23	29.32	0
3/26/21 3:30	5.278	139	4.198	5.321	29.32	0
3/26/21 3:45	3.511	151.8	10.35	5.266	29.32	0
3/26/21 4:00	4.835	140.8	7.45	5.222	29.33	0
3/26/21 4:15	3.905	148.8	12.47	5.312	29.33	0
3/26/21 4:30	4.652	163.1	7.296	5.575	29.33	0
3/26/21 4:45	4.095	159.1	8.26	5.542	29.33	0
3/26/21 5:00	4.888	166.5	7.848	5.525	29.34	0
3/26/21 5:15	5.547	164.8	8.21	5.424	29.34	0
3/26/21 5:30	5.26	162.3	6.189	5.353	29.34	0
3/26/21 5:45	3.049	149	12.76	5.234	29.34	0
3/26/21 6:00	3.321	143.3	8.41	5.151	29.37	0
3/26/21 6:15	5.576	144.5	8.69	5.194	29.37	0
3/26/21 6:30	6.135	167.3	5.817	5.304	29.37	0
3/26/21 6:45	6.267	164.1	7.191	5.229	29.37	0
3/26/21 7:00	6.816	165.6	7.036	5.098	29.36	0
3/26/21 7:15	6.909	162.9	7.485	5.142	29.36	0
3/26/21 7:30	7.292	169.3	7.785	5.198	29.36	0
3/26/21 7:45	6.35	165.3	9.43	5.202	29.36	0
3/26/21 8:00	6.462	164.7	11.23	5.47	29.4	0
3/26/21 8:15	7.965	175.6	7.981	5.417	29.4	0
3/26/21 8:30	6.593	167.7	9.65	5.508	29.4	0
3/26/21 8:45	5.233	162.5	10.65	5.706	29.4	0
3/26/21 9:00	6.743	142.3	13.16	6.201	29.4	0
3/26/21 9:15	8.2	161.5	15.73	6.723	29.4	0
3/26/21 9:30	7.776	163.2	11.2	6.59	29.4	0
3/26/21 9:45	6.744	197.6	17.13	6.826	29.4	0
3/26/21 10:00	6.748	186.9	16.55	7.226	29.43	0
3/26/21 10:15	9.29	160	10.56	7.366	29.43	0
3/26/21 10:30	10.43	154.7	14.73	7.569	29.43	0
3/26/21 10:45	11.74	173.8	12.07	7.711	29.43	0
3/26/21 11:00	11.25	165.9	9.29	7.751	29.44	0
3/26/21 11:15	10.09	171.5	12.69	7.895	29.44	0
3/26/21 11:30	10.28	174.3	14.14	8.18	29.44	0
3/26/21 11:45	11.1	172.1	11.53	8.39	29.44	0
3/26/21 12:00	9.04	186.9	16.91	8.08	29.43	0
3/26/21 12:15	9.09	174.6	11.98	8.35	29.43	0
3/26/21 12:30	8.53	180.1	10.88	8.45	29.43	0
3/26/21 12:45	8.7	169.4	16.55	8.79	29.43	0
3/26/21 13:00	9.4	183	15.82	8.78	29.44	0
3/26/21 13:15	9.2	163.8	13.98	8.77	29.44	0
3/26/21 13:30	7.722	157.7	15.86	8.79	29.44	0
3/26/21 13:45	8.37	180.3	13.02	9	29.44	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/26/21 14:00	8.66	173.6	14.5	9.11	29.45	0
3/26/21 14:15	7.649	186.8	14.61	9.34	29.45	0
3/26/21 14:30	4.584	197	29.7	9.52	29.45	0
3/26/21 14:45	6.803	186.6	30.64	9.8	29.45	0
3/26/21 15:00	7.31	202.3	15.08	9.91	29.44	0
3/26/21 15:15	7.559	183.5	12.39	9.97	29.44	0
3/26/21 15:30	6.577	196.5	16.01	9.98	29.44	0
3/26/21 15:45	8.13	242.2	27.55	9.81	29.44	0
3/26/21 16:00	7.294	247.5	14.73	9.78	29.47	0
3/26/21 16:15	6.798	250.7	10.15	9.61	29.47	0
3/26/21 16:30	7.943	240.3	10.85	9.58	29.47	0
3/26/21 16:45	6.386	233.8	10.56	9.51	29.47	0
3/26/21 17:00	4.834	234.9	16.39	9.5	29.45	0
3/26/21 17:15	3.02	255.6	21.46	9.59	29.45	0
3/26/21 17:30	4.775	239	23.54	9.54	29.45	0
3/26/21 17:45	2.546	257.6	31.06	9.6	29.45	0
3/26/21 18:00	2.353	226	35.46	9.52	29.46	0
3/26/21 18:15	2.58	226.1	24.99	9.51	29.46	0
3/26/21 18:30	4.321	213.9	4.968	9.47	29.46	0
3/26/21 18:45	3.272	217.5	6.427	9.4	29.46	0
3/26/21 19:00	2.778	199.4	15.43	9.31	29.49	0
3/26/21 19:15	1.105	95.5	25.27	8.94	29.49	0
3/26/21 19:30	2.449	193.5	4.765	9.05	29.49	0
3/26/21 19:45	3.391	191.2	6.404	8.98	29.49	0
3/26/21 20:00	3.364	192.2	7.551	8.91	29.51	0
3/26/21 20:15	3.024	197.4	11.8	8.85	29.51	0
3/26/21 20:30	2.445	180.4	19.39	8.91	29.51	0
3/26/21 20:45	1.207	157.1	42.75	8.56	29.51	0
3/26/21 21:00	4.923	218.5	8.85	8.53	29.52	0
3/26/21 21:15	5.398	227.7	9.13	8.46	29.52	0
3/26/21 21:30	7.091	223	8.13	8.17	29.52	0
3/26/21 21:45	6.063	222.3	8.18	8.04	29.52	0
3/26/21 22:00	4.809	220.7	8.53	7.984	29.53	0
3/26/21 22:15	4.867	214.8	13.54	7.806	29.53	0
3/26/21 22:30	3.699	213.1	6.84	7.729	29.53	0
3/26/21 22:45	4.924	207.2	6.794	7.623	29.53	0
3/26/21 23:00	6.2	189.5	9.47	7.461	29.54	0
3/26/21 23:15	4.046	203.8	8.87	7.422	29.54	0
3/26/21 23:30	4.445	198.7	10.13	7.383	29.54	0
3/26/21 23:45	4.813	174.7	13.82	7.24	29.54	0
3/27/21 0:00	4.671	183.2	8.85	7.151	29.55	0
3/27/21 0:15	3.874	184.4	6.939	7.051	29.55	0
3/27/21 0:30	3.483	176.2	8.66	6.999	29.55	0
3/27/21 0:45	5.12	184.7	7.549	6.984	29.55	0
3/27/21 1:00	7.296	178.8	6.594	6.777	29.54	0
3/27/21 1:15	6.623	175.1	5.942	6.51	29.54	0
3/27/21 1:30	5.732	181.7	5.636	6.409	29.54	0
3/27/21 1:45	5.477	179.6	5.899	6.407	29.54	0
3/27/21 2:00	5.808	175.8	6.416	6.462	29.56	0
3/27/21 2:15	5.634	169.2	6.67	6.517	29.56	0
3/27/21 2:30	5.39	157.5	13.76	6.385	29.56	0
3/27/21 2:45	5.409	170.1	8.33	6.443	29.56	0
3/27/21 3:00	4.193	158.6	11.43	6.288	29.57	0
3/27/21 3:15	3.412	153.3	11.83	6.205	29.57	0
3/27/21 3:30	3.126	151.6	8.07	6.087	29.57	0
3/27/21 3:45	2.775	136.6	13.96	6.096	29.57	0
3/27/21 4:00	3.811	133.7	3.915	6.076	29.54	0
3/27/21 4:15	4.547	167.2	10.48	6.147	29.54	0
3/27/21 4:30	3.421	142.4	20.9	5.987	29.54	0
3/27/21 4:45	1.947	56.43	15.03	5.742	29.54	0
3/27/21 5:00	2.058	73.9	9.86	5.797	29.57	0
3/27/21 5:15	2.848	96.3	4.944	5.873	29.57	0
3/27/21 5:30	2.14	172.4	42.5	5.978	29.57	0
3/27/21 5:45	3.577	177.8	7.434	6.035	29.57	0
3/27/21 6:00	3.043	146.7	17.96	5.852	29.54	0
3/27/21 6:15	1.465	110	7.493	5.634	29.54	0
3/27/21 6:30	0.621	123.2	26.34	5.636	29.54	0
3/27/21 6:45	2.091	162.9	10.03	5.875	29.54	0
3/27/21 7:00	2.159	161	12.6	6.042	29.58	0
3/27/21 7:15	2.551	172.1	17.13	6.153	29.58	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/27/21 7:30	3.279	174.5	10.76	6.198	29.58	0
3/27/21 7:45	3.297	170.9	12.95	6.244	29.58	0
3/27/21 8:00	3.92	147.7	33.97	6.366	29.57	0
3/27/21 8:15	2.94	123.6	31.34	6.584	29.57	0
3/27/21 8:30	2.824	178.5	18.86	6.688	29.57	0
3/27/21 8:45	3.336	180.9	14.11	6.668	29.57	0
3/27/21 9:00	1.841	214.3	32.23	6.785	29.58	0
3/27/21 9:15	1.976	189.9	20.37	6.881	29.58	0
3/27/21 9:30	3.049	135.1	47.58	7.054	29.58	0
3/27/21 9:45	1.436	93.7	57.54	7.188	29.58	0
3/27/21 10:00	3.523	198.4	22.26	7.198	29.58	0
3/27/21 10:15	4.799	203.1	21.94	7.364	29.58	0
3/27/21 10:30	5.149	220.5	16.12	7.564	29.58	0
3/27/21 10:45	4.822	239.9	22.11	7.882	29.58	0
3/27/21 11:00	4.181	257.4	19.02	8.22	29.56	0
3/27/21 11:15	3.167	228.2	48.68	8.64	29.56	0
3/27/21 11:30	4.443	200.6	34.4	8.93	29.56	0
3/27/21 11:45	4.476	207.1	37.99	9.17	29.56	0
3/27/21 12:00	4.134	138.9	34.24	9.75	29.55	0
3/27/21 12:15	3.246	219.7	36.93	10.22	29.55	0
3/27/21 12:30	5.032	245.5	30.08	10.55	29.55	0
3/27/21 12:45	3.95	215.6	42.64	10.87	29.55	0
3/27/21 13:00	3.866	205.2	31.64	11.25	29.51	0
3/27/21 13:15	4.408	235.3	45.8	11.54	29.51	0
3/27/21 13:30	5.683	250.6	25.2	11.86	29.51	0
3/27/21 13:45	4.278	258.5	31.2	11.95	29.51	0
3/27/21 14:00	3.929	235.9	60.49	12.19	29.52	0
3/27/21 14:15	5.215	244.9	22.56	12.16	29.52	0
3/27/21 14:30	5.77	258	13.56	12.08	29.52	0
3/27/21 14:45	4.258	262.4	21.73	12.35	29.52	0
3/27/21 15:00	4.161	265.7	17.39	12.08	29.51	0
3/27/21 15:15	4.015	214.8	29	12.04	29.51	0
3/27/21 15:30	2.124	330.8	72.52	12.03	29.51	0
3/27/21 15:45	2.546	124.6	33.83	12.31	29.51	0
3/27/21 16:00	4.276	207.5	17.12	12.32	29.5	0
3/27/21 16:15	4.786	213.4	11.79	12.31	29.5	0
3/27/21 16:30	5.821	221.8	14.6	12.11	29.5	0
3/27/21 16:45	7.759	258.3	7.036	11.79	29.5	0
3/27/21 17:00	6.964	260.9	7.047	11.58	29.5	0
3/27/21 17:15	5.27	275.6	13.52	11.43	29.5	0
3/27/21 17:30	4.489	280.5	10.23	11.43	29.5	0
3/27/21 17:45	3.298	286.2	8.73	11.31	29.5	0
3/27/21 18:00	2.911	304.8	5.241	10.97	29.48	0
3/27/21 18:15	1.826	329	4.389	10.84	29.48	0
3/27/21 18:30	1.123	346.8	12.96	10.69	29.48	0
3/27/21 18:45	1.964	22.87	5.791	10.49	29.48	0
3/27/21 19:00	1.805	58	12.38	10.37	29.43	0
3/27/21 19:15	1.162	66.26	2.418	10.5	29.43	0
3/27/21 19:30	0.933	98.1	24.3	10.28	29.43	0
3/27/21 19:45	2.593	128.3	17.5	10.03	29.43	0
3/27/21 20:00	4.004	153.1	16.27	9.67	29.42	0
3/27/21 20:15	3.99	154.9	14.86	9.56	29.42	0
3/27/21 20:30	3.721	141.3	17.02	9.1	29.42	0
3/27/21 20:45	4.512	140.2	16.47	8.91	29.42	0
3/27/21 21:00	5.663	150.8	13.06	8.97	29.4	0
3/27/21 21:15	4.453	140.3	12.63	8.91	29.4	0
3/27/21 21:30	4.013	118.9	8	8.97	29.4	0
3/27/21 21:45	4.171	134.6	6.895	8.7	29.4	0
3/27/21 22:00	5.895	136.6	5.727	8.77	29.39	0
3/27/21 22:15	5.93	126.7	7.614	8.7	29.39	0
3/27/21 22:30	7.195	127.6	6.568	8.81	29.39	0
3/27/21 22:45	6.538	132.3	7.706	8.79	29.39	0
3/27/21 23:00	5.968	136.1	9.96	8.62	29.37	0
3/27/21 23:15	6.038	143.3	7.376	8.58	29.37	0
3/27/21 23:30	5.892	155.7	9.86	8.05	29.37	0
3/27/21 23:45	5.666	146.8	6.774	7.907	29.37	0
3/28/21 0:00	5.957	138.5	9.23	8.04	29.36	0
3/28/21 0:15	4.625	134	7.015	7.811	29.36	0
3/28/21 0:30	4.397	138.9	6.987	7.827	29.36	0
3/28/21 0:45	4.682	143.5	6.91	7.776	29.36	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/28/21 1:00	5.589	157.4	13.25	7.491	29.35	0
3/28/21 1:15	5.383	149.9	9.93	7.077	29.35	0
3/28/21 1:30	7.178	147	17.61	7.318	29.35	0
3/28/21 1:45	6.087	143.2	17.03	7.107	29.35	0
3/28/21 2:00	5.565	145.1	8.9	6.915	29.31	0
3/28/21 2:15	5.631	150.1	8.56	7.015	29.31	0
3/28/21 2:30	6.866	157.7	13.26	7.012	29.31	0
3/28/21 2:45	7.07	178.1	9.1	6.637	29.31	0
3/28/21 3:00	6.714	174.3	7.183	6.414	29.32	0
3/28/21 3:15	6.841	176.9	7.56	6.241	29.32	0
3/28/21 3:30	6.147	192.4	12.97	6.003	29.32	0
3/28/21 3:45	5.727	185.3	13.33	5.852	29.32	0
3/28/21 4:00	8.77	173.8	10.06	5.608	29.32	0
3/28/21 4:15	10.52	175.6	9.76	5.382	29.32	0
3/28/21 4:30	9.2	162.4	12.04	5.311	29.32	0
3/28/21 4:45	10.35	151.9	10.53	5.084	29.32	0
3/28/21 5:00	11.57	140.7	7.816	4.943	29.27	0
3/28/21 5:15	11.17	136.8	8.61	4.846	29.27	0
3/28/21 5:30	11.01	133.2	8.28	4.929	29.27	0
3/28/21 5:45	9.61	140.4	9.38	5.014	29.27	0
3/28/21 6:00	9.73	142.3	9.35	5.109	29.26	0
3/28/21 6:15	8.77	140.2	7.862	5.076	29.26	0
3/28/21 6:30	8.94	141.1	9.15	5.037	29.26	0
3/28/21 6:45	8.78	139.7	7.298	5.041	29.26	0
3/28/21 7:00	8.55	162.3	12.22	5.154	29.24	0
3/28/21 7:15	9.28	168.6	8.57	5.371	29.24	0
3/28/21 7:30	6.998	158.4	10.11	5.513	29.24	0
3/28/21 7:45	6.191	151.2	21.5	5.622	29.24	0
3/28/21 8:00	8.33	157.2	13.84	5.734	29.21	0
3/28/21 8:15	12.94	186.8	16.05	6.425	29.21	0
3/28/21 8:30	19.54	189.9	9.97	6.936	29.21	0
3/28/21 8:45	18.33	186.1	12.71	6.893	29.21	0
3/28/21 9:00	18.18	179.7	11.39	7.009	29.19	0
3/28/21 9:15	21.04	179	10.38	6.905	29.19	0
3/28/21 9:30	17.82	176.5	10	7.104	29.19	0
3/28/21 9:45	20.34	174.7	11.28	7.142	29.19	0
3/28/21 10:00	19.31	174.3	8.92	7.206	29.16	0
3/28/21 10:15	19.68	169.3	9.55	7.327	29.16	0
3/28/21 10:30	19.38	174.7	9.76	7.202	29.16	0.01
3/28/21 10:45	19.75	185.6	8.21	6.726	29.16	0.03
3/28/21 11:00	15.89	178.1	7.9	6.278	29.1	0.03
3/28/21 11:15	17.65	175.7	9.9	6.167	29.1	0.02
3/28/21 11:30	17.95	174.1	9.64	6.13	29.1	0.02
3/28/21 11:45	17.82	180.3	10.49	6.204	29.1	0.01
3/28/21 12:00	14.32	173	9.44	6.043	29.08	0.02
3/28/21 12:15	16.84	167.1	10.68	6.05	29.08	0.02
3/28/21 12:30	14.36	169.2	9.19	5.982	29.08	0.04
3/28/21 12:45	10.92	152.9	11.41	5.873	29.08	0.03
3/28/21 13:00	15.94	164.7	10.34	5.978	29.01	0.03
3/28/21 13:15	16.93	168.2	10.25	5.915	29.01	0.04
3/28/21 13:30	15.89	167.4	10.31	5.825	29.01	0.03
3/28/21 13:45	16.49	166.9	8.87	5.82	29.01	0.02
3/28/21 14:00	17.03	172	9.87	5.784	28.99	0.03
3/28/21 14:15	18	173.2	9.32	5.797	28.99	0.03
3/28/21 14:30	19.94	188.1	10.19	5.858	28.99	0.04
3/28/21 14:45	25.5	209.9	11.04	5.476	28.99	0.03
3/28/21 15:00	21.06	205.3	11.47	4.967	28.98	0.02
3/28/21 15:15	19.16	195.3	8.45	4.423	28.98	0
3/28/21 15:30	21.32	198.4	8.46	4.404	28.98	0
3/28/21 15:45	18.35	194.5	10.13	4.43	28.98	0
3/28/21 16:00	14.32	199.7	11.77	4.846	29.02	0
3/28/21 16:15	14.87	202.8	14	5.348	29.02	0
3/28/21 16:30	18.21	218.8	11.07	5.352	29.02	0
3/28/21 16:45	15.89	226.4	11.95	5.084	29.02	0
3/28/21 17:00	15.62	231	10.85	4.866	29.02	0
3/28/21 17:15	14.41	227.6	13.88	4.873	29.02	0
3/28/21 17:30	17.8	229.5	11.62	4.598	29.02	0
3/28/21 17:45	15.03	238.6	9.83	4.297	29.02	0
3/28/21 18:00	17.95	226.4	11	3.984	29.05	0
3/28/21 18:15	14.23	236.3	9.66	3.856	29.05	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/28/21 18:30	14.26	231.8	9.8	3.774	29.05	0
3/28/21 18:45	16.17	224.3	10.3	3.589	29.05	0
3/28/21 19:00	16.88	226	9.58	3.424	29.09	0
3/28/21 19:15	16.8	230.9	8.84	3.355	29.09	0
3/28/21 19:30	15.06	231.6	11.31	3.244	29.09	0
3/28/21 19:45	16.32	236.6	9.57	3.162	29.09	0
3/28/21 20:00	12.48	246.6	11.06	3.177	29.14	0
3/28/21 20:15	10.13	251.9	13.23	3.191	29.14	0
3/28/21 20:30	11.61	241.2	10.79	3.09	29.14	0
3/28/21 20:45	8.87	223.4	11.78	3.019	29.14	0
3/28/21 21:00	6.206	215.2	12.69	2.922	29.15	0
3/28/21 21:15	4.05	244.6	13.95	2.798	29.15	0
3/28/21 21:30	2.612	165.1	62.09	2.799	29.15	0
3/28/21 21:45	2.369	93.7	46.18	2.683	29.15	0
3/28/21 22:00	2.369	146.9	26.91	2.814	29.19	0
3/28/21 22:15	5.208	177.5	15.09	2.909	29.19	0
3/28/21 22:30	6.332	174.6	10	2.836	29.19	0
3/28/21 22:45	5.082	165.9	14.45	2.684	29.19	0
3/28/21 23:00	2.65	148.3	24.01	2.242	29.23	0
3/28/21 23:15	2.923	114.6	13.33	2.357	29.23	0
3/28/21 23:30	3.708	133.3	11.53	2.144	29.23	0
3/28/21 23:45	5.324	158.8	21.11	2.147	29.23	0
3/29/21 0:00	3.623	163.1	20.67	2.363	29.28	0
3/29/21 0:15	2.48	122.2	25.42	2.28	29.28	0
3/29/21 0:30	3.102	121.7	19.96	2.164	29.28	0
3/29/21 0:45	3.182	128.8	34.97	2.007	29.28	0
3/29/21 1:00	3.704	110.3	8.68	1.879	29.31	0
3/29/21 1:15	5.279	120	8.24	1.771	29.31	0
3/29/21 1:30	4.682	135.8	8.47	1.649	29.31	0
3/29/21 1:45	5.2	126.8	6.927	1.607	29.31	0
3/29/21 2:00	6.461	134.1	9.07	1.686	29.36	0
3/29/21 2:15	5.754	130.5	10.37	1.713	29.36	0
3/29/21 2:30	5.707	131	7.816	1.577	29.36	0
3/29/21 2:45	5.552	121	7.596	1.516	29.36	0
3/29/21 3:00	5.2	124	8.88	1.341	29.38	0
3/29/21 3:15	5.436	128.4	14.48	1.394	29.38	0
3/29/21 3:30	5.844	125.3	13.58	1.506	29.38	0
3/29/21 3:45	5.59	114	10.34	1.529	29.38	0
3/29/21 4:00	5.214	120.8	8.51	1.445	29.39	0
3/29/21 4:15	5.692	115.8	11.51	1.412	29.39	0
3/29/21 4:30	5.395	118.5	10.4	1.376	29.39	0
3/29/21 4:45	5.988	116.1	10.3	1.533	29.39	0
3/29/21 5:00	4.911	117.5	14.45	1.565	29.43	0
3/29/21 5:15	4.153	130.2	10.3	1.758	29.43	0
3/29/21 5:30	4.664	132.5	11.47	1.615	29.43	0
3/29/21 5:45	3.765	108.4	10.96	1.416	29.43	0
3/29/21 6:00	4.985	124.1	10.31	1.48	29.45	0
3/29/21 6:15	3.806	125.8	34.5	1.375	29.45	0
3/29/21 6:30	2.211	41.95	21.58	1.07	29.45	0
3/29/21 6:45	3.155	105.5	8.73	1.536	29.45	0
3/29/21 7:00	4.66	111.5	6.694	1.559	29.45	0
3/29/21 7:15	3.616	118.5	10.81	2.527	29.45	0
3/29/21 7:30	4.009	120.7	16.66	3.07	29.45	0
3/29/21 7:45	3.738	96.4	29.64	3.547	29.45	0
3/29/21 8:00	4.858	98.4	12.74	3.428	29.48	0
3/29/21 8:15	4.826	111.7	15.94	3.904	29.48	0
3/29/21 8:30	4.44	117.6	20.12	4.292	29.48	0
3/29/21 8:45	3.948	83.3	23.91	4.511	29.48	0
3/29/21 9:00	3.114	120.2	32.56	5.297	29.5	0
3/29/21 9:15	5.295	163.2	26.34	4.947	29.5	0
3/29/21 9:30	5.969	162.2	18.08	5.447	29.5	0
3/29/21 9:45	2.973	204	32.26	5.771	29.5	0
3/29/21 10:00	3.692	267.9	28.94	5.722	29.51	0
3/29/21 10:15	4.033	325.9	21.65	6.101	29.51	0
3/29/21 10:30	4.828	40.2	24.83	5.845	29.51	0
3/29/21 10:45	3.979	1.64	33.04	6.575	29.51	0
3/29/21 11:00	6.387	350.6	26.35	6.151	29.51	0
3/29/21 11:15	5.68	14.77	24.65	6.601	29.51	0
3/29/21 11:30	5.649	330.6	14.99	6.497	29.51	0
3/29/21 11:45	5.052	345	27.97	7.093	29.51	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/29/21 12:00	4.998	326.9	20.88	6.405	29.51	0
3/29/21 12:15	3.206	302.3	25.22	7.016	29.51	0
3/29/21 12:30	6.796	357.2	15.46	7.016	29.51	0
3/29/21 12:45	7.519	359.4	12.78	6.912	29.51	0
3/29/21 13:00	6.465	352.7	22.98	7.608	29.5	0
3/29/21 13:15	9.06	337.1	12.67	7.74	29.5	0
3/29/21 13:30	10.99	342.2	17.28	8.03	29.5	0
3/29/21 13:45	7.971	349.5	39.02	8.33	29.5	0
3/29/21 14:00	8.61	6.112	18.94	7.27	29.49	0
3/29/21 14:15	9.38	343.4	24.39	8.11	29.49	0
3/29/21 14:30	9.89	317.7	21.54	7.832	29.49	0
3/29/21 14:45	8.7	297.9	24.16	8.41	29.49	0
3/29/21 15:00	10.82	29.18	14.3	7.516	29.51	0
3/29/21 15:15	9.72	29.17	11.17	6.923	29.51	0
3/29/21 15:30	9.67	29.24	9.58	6.946	29.51	0
3/29/21 15:45	7.799	13.5	15.39	7.539	29.51	0
3/29/21 16:00	10.06	341	19.41	8.12	29.51	0
3/29/21 16:15	9.36	315.7	18.05	8.26	29.51	0
3/29/21 16:30	9.86	312.2	11.65	7.941	29.51	0
3/29/21 16:45	7.25	324	16.53	8.13	29.51	0
3/29/21 17:00	8.37	344.3	28.6	7.677	29.49	0
3/29/21 17:15	6.73	21.65	17.34	7.353	29.49	0
3/29/21 17:30	5.784	357.7	14.79	7.552	29.49	0
3/29/21 17:45	6.565	5.893	13.14	7.389	29.49	0
3/29/21 18:00	7.124	15.05	7.897	6.733	29.49	0
3/29/21 18:15	6.305	16.06	9.97	6.433	29.49	0
3/29/21 18:30	4.308	15.44	12.31	6.067	29.49	0
3/29/21 18:45	3.751	15.16	9.04	5.8	29.49	0
3/29/21 19:00	1.689	8.46	17.29	5.658	29.52	0
3/29/21 19:15	1.623	16.68	7.939	5.372	29.52	0
3/29/21 19:30	1.76	27.41	8.1	5.153	29.52	0
3/29/21 19:45	1.339	28.84	5.261	5.056	29.52	0
3/29/21 20:00	1.433	46.62	7.855	4.754	29.52	0
3/29/21 20:15	1.951	48.6	9.73	4.316	29.52	0
3/29/21 20:30	1.219	22.38	10.67	4.248	29.52	0
3/29/21 20:45	0.233	9.96	1.818	4.258	29.52	0
3/29/21 21:00	0.052	3.896	1.82	4.412	29.53	0
3/29/21 21:15	0.138	19.96	26.78	4.44	29.53	0
3/29/21 21:30	1.236	82.5	24.09	3.59	29.53	0
3/29/21 21:45	0.246	48.37	2.811	3.738	29.53	0
3/29/21 22:00	0.978	44.57	3.76	3.098	29.53	0
3/29/21 22:15	0.172	40.69	0.422	3.276	29.53	0
3/29/21 22:30	0.547	50.04	6.315	3.652	29.53	0
3/29/21 22:45	0.138	51.52	0.846	3.013	29.53	0
3/29/21 23:00	0.296	60.5	10.88	3.378	29.54	0
3/29/21 23:15	2.171	148.1	19.59	2.903	29.54	0
3/29/21 23:30	2.851	157.1	5.673	3.041	29.54	0
3/29/21 23:45	2.524	140	3.639	2.705	29.54	0
3/30/21 0:00	2.485	130.5	7.317	2.194	29.53	0
3/30/21 0:15	4.094	144.6	5.141	2.182	29.53	0
3/30/21 0:30	3.989	158.2	12.51	1.833	29.53	0
3/30/21 0:45	5.421	194.9	8	0.74	29.53	0
3/30/21 1:00	6.023	181.3	16.41	0.756	29.54	0
3/30/21 1:15	3.845	143.9	7.354	1.414	29.54	0
3/30/21 1:30	3.677	139.3	7.927	1.66	29.54	0
3/30/21 1:45	3.678	127.5	12.15	1.627	29.54	0
3/30/21 2:00	4.917	150.7	10.08	1.665	29.57	0
3/30/21 2:15	4.649	161.8	12.37	1.513	29.57	0
3/30/21 2:30	5.084	184.4	8.01	0.563	29.57	0
3/30/21 2:45	5.986	177.8	9.64	0.527	29.57	0
3/30/21 3:00	5.213	151.6	14.45	1.306	29.56	0
3/30/21 3:15	3.474	121.9	7.302	1.305	29.56	0
3/30/21 3:30	4.192	146.4	18.12	1.172	29.56	0
3/30/21 3:45	4.865	157.3	9.08	1.48	29.56	0
3/30/21 4:00	4.932	171.3	11.97	1.052	29.56	0
3/30/21 4:15	5.791	186.5	9.85	0.427	29.56	0
3/30/21 4:30	6.108	173.5	13.38	0.407	29.56	0
3/30/21 4:45	4.476	149	9.71	0.794	29.56	0
3/30/21 5:00	3.183	128.3	9.51	0.468	29.59	0
3/30/21 5:15	4.93	131.1	4.429	0.77	29.59	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/30/21 5:30	4.411	134.3	5.823	0.978	29.59	0
3/30/21 5:45	5.316	158.6	12.36	1.123	29.59	0
3/30/21 6:00	5.306	160.4	13.48	1.232	29.6	0
3/30/21 6:15	3.475	139.2	13.33	1.439	29.6	0
3/30/21 6:30	3.318	115.5	5.3	1.613	29.6	0
3/30/21 6:45	3.555	117.7	5.682	1.562	29.6	0
3/30/21 7:00	3.764	125.9	5.414	2.113	29.6	0
3/30/21 7:15	3.881	109.7	7.414	2.403	29.6	0
3/30/21 7:30	3.154	104.3	13.18	2.434	29.6	0
3/30/21 7:45	3.611	116.2	8.9	3.2	29.6	0
3/30/21 8:00	3.007	100.8	16.47	3.798	29.59	0
3/30/21 8:15	2.998	111.2	9.95	4.594	29.59	0
3/30/21 8:30	2.247	85.5	31.16	5.113	29.59	0
3/30/21 8:45	1.501	137.6	65.49	5.781	29.59	0
3/30/21 9:00	1.961	221.1	33.39	5.78	29.62	0
3/30/21 9:15	4.258	233.1	17.8	5.483	29.62	0
3/30/21 9:30	3.787	230.4	21.77	5.978	29.62	0
3/30/21 9:45	2.213	226.4	52.58	6.621	29.62	0
3/30/21 10:00	4.35	267.4	30.41	6.711	29.62	0
3/30/21 10:15	3.347	271	58.02	7.178	29.62	0
3/30/21 10:30	3.624	259.5	28.16	7.385	29.62	0
3/30/21 10:45	4.088	243.8	22.3	7.598	29.62	0
3/30/21 11:00	4.419	283.3	20.34	7.946	29.63	0
3/30/21 11:15	2.613	235.1	34.01	7.967	29.63	0
3/30/21 11:30	4.724	304.2	76.91	8.07	29.63	0
3/30/21 11:45	4.373	351.6	16.8	8.14	29.63	0
3/30/21 12:00	3.095	18.73	31.85	8.68	29.62	0
3/30/21 12:15	2.099	302.5	35.37	9.39	29.62	0
3/30/21 12:30	4.089	317.9	21.59	8.79	29.62	0
3/30/21 12:45	4.106	291.2	31.84	9.71	29.62	0
3/30/21 13:00	6.189	310.1	35.47	9.82	29.61	0
3/30/21 13:15	6.77	305.1	24.28	9.49	29.61	0
3/30/21 13:30	4.494	292	45.67	10.13	29.61	0
3/30/21 13:45	7.87	297.2	18.79	10.13	29.61	0
3/30/21 14:00	5.735	331.1	29.21	10.45	29.61	0
3/30/21 14:15	4.988	31.02	41.47	10.14	29.61	0
3/30/21 14:30	4.45	14.94	24.47	9.52	29.61	0
3/30/21 14:45	4.493	350.9	21.16	9.82	29.61	0
3/30/21 15:00	4.502	316.3	41.63	10.54	29.61	0
3/30/21 15:15	8.17	23.44	13.43	10.02	29.61	0
3/30/21 15:30	7.456	14.48	12.16	9.47	29.61	0
3/30/21 15:45	5.765	339	32.9	10.21	29.61	0
3/30/21 16:00	3.836	282.1	23.59	10.69	29.61	0
3/30/21 16:15	2.731	272.7	40.9	10.85	29.61	0
3/30/21 16:30	2.633	221.7	48.88	10.77	29.61	0
3/30/21 16:45	3.341	315.5	34.94	10.94	29.61	0
3/30/21 17:00	5.147	22.9	16.49	10.14	29.62	0
3/30/21 17:15	5.123	16.94	14.46	9.94	29.62	0
3/30/21 17:30	5.814	13.91	8.34	9.74	29.62	0
3/30/21 17:45	4.862	7.174	14.29	9.56	29.62	0
3/30/21 18:00	3.727	341.9	15.13	9.72	29.6	0
3/30/21 18:15	4.326	330.8	11.29	9.49	29.6	0
3/30/21 18:30	5.025	1.003	9.86	8.84	29.6	0
3/30/21 18:45	5.378	354.7	11.9	8.52	29.6	0
3/30/21 19:00	3.524	359.2	12.79	8.1	29.62	0
3/30/21 19:15	3.771	341.5	7.395	8.01	29.62	0
3/30/21 19:30	2.263	13.98	18.49	7.573	29.62	0
3/30/21 19:45	1.519	14.47	9.15	7.17	29.62	0
3/30/21 20:00	1.811	15.23	6.708	7.07	29.6	0
3/30/21 20:15	2.487	15.32	8.57	7.039	29.6	0
3/30/21 20:30	3.534	17.89	10.33	6.88	29.6	0
3/30/21 20:45	3.948	34.65	6.551	6.632	29.6	0
3/30/21 21:00	2.887	33.6	5.938	6.451	29.63	0
3/30/21 21:15	2.103	38.04	13.17	6.077	29.63	0
3/30/21 21:30	2.012	61.42	11.37	6.066	29.63	0
3/30/21 21:45	1.62	104.5	12.71	5.658	29.63	0
3/30/21 22:00	0.836	67.13	9.57	6.164	29.63	0
3/30/21 22:15	2.356	48.79	11.21	5.066	29.63	0
3/30/21 22:30	3.037	49.64	10.75	5.003	29.63	0
3/30/21 22:45	2.541	82.1	20.29	4.266	29.63	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/30/21 23:00	2.801	149.4	16.43	4.888	29.63	0
3/30/21 23:15	1.416	103.6	35.16	4.95	29.63	0
3/30/21 23:30	2.764	147.8	9.84	4.576	29.63	0
3/30/21 23:45	2.517	127.6	7.757	4.544	29.63	0
3/31/21 0:00	2.48	102.5	7.597	4.307	29.62	0
3/31/21 0:15	2.198	87.8	10.36	4.174	29.62	0
3/31/21 0:30	2.628	59.32	5.201	4.005	29.62	0
3/31/21 0:45	2.971	51.37	5.798	3.979	29.62	0
3/31/21 1:00	2.89	60.23	7.78	3.735	29.62	0
3/31/21 1:15	3.405	52.06	10.14	3.384	29.62	0
3/31/21 1:30	4.493	50.88	9.27	2.836	29.62	0
3/31/21 1:45	3.118	51.17	19.2	2.327	29.62	0
3/31/21 2:00	2.348	86.9	11.07	2.602	29.6	0
3/31/21 2:15	0.559	82.2	15.16	2.685	29.6	0
3/31/21 2:30	1.226	26.46	8.41	3.135	29.6	0
3/31/21 2:45	1.153	36.32	8.75	3.405	29.6	0
3/31/21 3:00	1.409	0.724	11.14	3.362	29.58	0
3/31/21 3:15	0.502	24.07	6.242	2.655	29.58	0
3/31/21 3:30	1.748	72.28	29.83	2.151	29.58	0
3/31/21 3:45	0.306	244.2	34.26	2.54	29.58	0
3/31/21 4:00	0.267	119.4	0.421	3.056	29.56	0
3/31/21 4:15	1.002	12.38	13.33	2.302	29.56	0
3/31/21 4:30	1.818	34.52	4.977	2.082	29.56	0
3/31/21 4:45	2.736	27.3	5.275	1.767	29.56	0
3/31/21 5:00	2.56	22.25	10.01	1.612	29.56	0
3/31/21 5:15	2.61	24.53	11.18	0.832	29.56	0
3/31/21 5:30	4.019	16.92	7.196	0.437	29.56	0
3/31/21 5:45	4.868	8.79	9.12	0.544	29.56	0
3/31/21 6:00	4.116	12.34	8.4	0.65	29.55	0
3/31/21 6:15	3.796	21.86	3.978	0.627	29.55	0
3/31/21 6:30	3.127	21.66	10.82	0.595	29.55	0
3/31/21 6:45	2.576	14.45	11.38	1.095	29.55	0
3/31/21 7:00	2.02	0.105	10.58	1.41	29.53	0
3/31/21 7:15	1.176	4.915	5.197	1.927	29.53	0
3/31/21 7:30	2.001	0.527	9.86	2.611	29.53	0
3/31/21 7:45	1.226	41.35	13.37	3.619	29.53	0
3/31/21 8:00	0.995	25.31	13.03	4.62	29.52	0
3/31/21 8:15	1.949	17.93	17.64	4.687	29.52	0
3/31/21 8:30	1.786	325.5	32.55	5.57	29.52	0
3/31/21 8:45	2.446	313.4	48.28	6.177	29.52	0
3/31/21 9:00	1.553	235	22.84	6.837	29.51	0
3/31/21 9:15	2.832	272.5	26.03	7.321	29.51	0
3/31/21 9:30	1.871	15.07	37.26	8.44	29.51	0
3/31/21 9:45	1.668	38.5	38.22	9.04	29.51	0
3/31/21 10:00	1.36	26.53	57.19	9.74	29.48	0
3/31/21 10:15	1.888	30.53	23.25	9.92	29.48	0
3/31/21 10:30	4.271	23.1	24.22	10.47	29.48	0
3/31/21 10:45	7.223	26.11	10.91	10.45	29.48	0
3/31/21 11:00	6.65	27.35	10.61	11	29.45	0
3/31/21 11:15	5.892	21.95	14.21	11.35	29.45	0
3/31/21 11:30	6.664	22.65	9.33	11.83	29.45	0
3/31/21 11:45	4.72	6.803	22.44	12.42	29.45	0
3/31/21 12:00	3.798	36.32	30.12	12.96	29.44	0
3/31/21 12:15	2.723	280.9	68.78	13.63	29.44	0
3/31/21 12:30	3.188	298.5	28.17	14.43	29.44	0
3/31/21 12:45	3.36	357.9	30.14	14.52	29.44	0
3/31/21 13:00	3.902	29.53	18.21	14.76	29.4	0
3/31/21 13:15	2.407	339.8	59.02	15.68	29.4	0
3/31/21 13:30	3.956	276.7	27.75	15.99	29.4	0
3/31/21 13:45	7.081	267.6	11.79	15.83	29.4	0
3/31/21 14:00	7.989	268.7	8.58	16.04	29.36	0
3/31/21 14:15	6.459	268.5	12.66	16.15	29.36	0
3/31/21 14:30	6.359	266.9	10.91	16.3	29.36	0
3/31/21 14:45	6.476	281.7	16.13	16.77	29.36	0
3/31/21 15:00	6.745	265.8	10.32	16.79	29.33	0
3/31/21 15:15	6.358	275.4	14.05	17.02	29.33	0
3/31/21 15:30	5.665	275.4	14	17.31	29.33	0
3/31/21 15:45	5.787	275.3	11.17	17.55	29.33	0
3/31/21 16:00	6.455	269.8	12.87	16.97	29.31	0
3/31/21 16:15	5.88	274.4	7.894	16.75	29.31	0

Meteorological Data

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/31/21 16:30	5.306	269	12.86	17.05	29.31	0
3/31/21 16:45	5.273	263.7	10.74	17.07	29.31	0
3/31/21 17:00	3.656	274.3	27.8	17.15	29.25	0
3/31/21 17:15	5.399	269.7	8.34	16.78	29.25	0
3/31/21 17:30	4.85	262.8	9.22	15.83	29.25	0
3/31/21 17:45	4.668	267.7	8.65	15.68	29.25	0
3/31/21 18:00	2.99	265.1	22.67	15.49	29.24	0
3/31/21 18:15	4.847	260.6	7.553	14.48	29.24	0
3/31/21 18:30	3.296	276.8	7.125	13.77	29.24	0
3/31/21 18:45	1.146	274.6	37.83	13.56	29.24	0
3/31/21 19:00	3.406	189.3	18.06	12.93	29.24	0
3/31/21 19:15	3.082	234.1	14.2	12.51	29.24	0
3/31/21 19:30	3.579	269.4	10.7	11.87	29.24	0
3/31/21 19:45	0.818	319.2	40.19	11.66	29.24	0
3/31/21 20:00	3.088	49.93	14.03	11.46	29.21	0
3/31/21 20:15	5.372	27.01	8.79	10.6	29.21	0
3/31/21 20:30	4.294	37.43	20.55	10.41	29.21	0
3/31/21 20:45	3.288	15.99	18.53	10.63	29.21	0
3/31/21 21:00	2.774	29.7	18.47	10.33	29.21	0
3/31/21 21:15	3.215	30.54	14.61	10.14	29.21	0
3/31/21 21:30	2.936	27.3	9.03	10	29.21	0
3/31/21 21:45	3.243	8.13	11.95	10.17	29.21	0
3/31/21 22:00	3.267	21.17	13.87	10.1	29.19	0
3/31/21 22:15	3.073	19.5	14.22	9.69	29.19	0
3/31/21 22:30	2.066	19.39	9.85	9.14	29.19	0
3/31/21 22:45	1.295	20.56	16.71	9.02	29.19	0
3/31/21 23:00	2.773	20.15	6.593	8.82	29.17	0
3/31/21 23:15	1.833	11	16.77	9.09	29.17	0
3/31/21 23:30	1.532	167.2	67.85	9.37	29.17	0
3/31/21 23:45	1.37	42.88	9.89	8.63	29.17	0
4/1/21 0:00	1.104	49.92	14.69	8.28	29.16	0

# **APPENDIX D**

## **Area 5 Top Deck Report**

# CEDAR HILLS REGIONAL LANDFILL AREA 5 TOP DECK MONITORING REPORT

First Quarter 2021



Department of Natural Resources and Parks  
Solid Waste Division

May 2021  
Printed on recycled paper



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# **AREA 5 TOP DECK MONITORING QUARTERLY REPORT**

**FIRST 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 FIRST 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	335.12	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*	68,567,052,304	51.96	526,603	10,239	0.0025	0.00005
2021	70.06	353.12*	68,844,398,304	17.26	198,391	11,494	0.0010	0.00006

2021: Precipitation and leachate through 1st Quarter of 2021. Refuse in place through February 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 first 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 first quarter of 2021, KCSWD staff performed monthly Landfill Facility Site Inspections. These inspections are also included in Appendix A. During the first quarter, erosion control measures continued to be implemented and/or maintained to mitigate runoff effects from on-going construction activities at the landfill.

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

#### **Air Quality Criteria**

Each quarter, surface emission monitoring is conducted across the Area 5 Top Deck and its side slopes to verify that methane gas emissions are below regulatory criteria. The first quarter of 2021 surface emission monitoring was conducted from March 17 through March 30, 2021.

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

The results from the first 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 first 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, fall previously surveyed control points in Area 5 were covered. Monitoring location PMX2015 was added as a replacement for PMX20074. Other alternate locations are currently being evaluated as survey control points in order to continue settlement monitoring within Area 5. Monitoring locations can be viewed in figure 1 while historical data can be viewed in table 2 (surface elevation data) and table 3 (settlement data).

**TABLE 2**  
**CEDAR HILLS REGIONAL LANDFILL AREA 5 SURFACE SURVEY DATA FOR 1ST QUARTER of 2021**

A5SM-1 <sup>a</sup>		A5SM-2		A5SM-3 <sup>b</sup>		PMX20074 <sup>c</sup>		PMX2015 <sup>d</sup>	
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

<sup>a</sup> A5SM-1 was destroyed by filling Area 7 during Lift 4.

<sup>b</sup> A5SM-3 NEW as of 2/14/2007. Destroyed by Area 8 excavation stockpile in 08/2017.

<sup>c</sup> PMX20074 was destroyed during Phase 3 of Area 6.

<sup>d</sup> PMX2015 NEW 04/06/2015; it's the same location as PMX20074

TABLE 3																
CEDAR HILLS REGIONAL LANDFILL AREA 5 SETTLEMENT for FIRST 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	03/2020- 02/2021
<sup>a</sup> ASSM-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
ASSM-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	0.24
<sup>b</sup> ASSM-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
<sup>c</sup> 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
<sup>d</sup> 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	0.23
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	0.24
	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	0.06	0.02
<sup>a</sup> ASSM-1 was destroyed by filling Area 7 during Lift 4. <sup>b</sup> ASSM-3 NEW as of 2/14/2007. Destroyed by Area 8 excavation stockpile in 08/2017. <sup>c</sup> PMX20074 was destroyed during Phase 3 of Area 6. <sup>d</sup> PMX2015 NEW 04/06/2015; it's the same location as PMX20074																

## **IV. STORMWATER SAMPLING**

### **Collection of Samples**

Sample was collected from the Area 5 Top Deck stormwater monitoring stations at one of the four designated sites, SW-TD1 during the first quarter of 2021. SW-TD2, SW-TD4, and SW-TD6 were not flowing during the sampling event. Comparison leachate samples were taken at location LS-V1A each month of the quarter.

As monthly monitoring of surface water sites was discontinued as of January 1st, 2016 per the new Sampling & Analysis Plan (SAP) for the CHRLF, comparison stormwater samples were not being taken during the First Quarter 2021 similar to previous quarters. To address this lack of comparative data, the decision was made that the most recent full-year (2015) data available from surface water site SW-S1 would be averaged and used as the comparison basis.

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

### **Stormwater Sample Evaluation**

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

Stormwater quality is also compared to the leachate quality as collected from the Leachate Vault (LS-V1A).

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

## ***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 all locations were within the designated limit per the applicable water quality criteria.

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

There are no benchmarks or criteria for specific conductance.

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

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

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

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

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

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

- Turbidity at SW-TD1 was 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<sub>2</sub> acting upon alkaline materials in the soil to produce bicarbonate (HCO<sub>3</sub><sup>-</sup>) and carbonate (CO<sub>3</sub><sup>2-</sup>). The source(s) of CO<sub>2</sub> 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<sub>4</sub><sup>2-</sup>) 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<sub>2</sub>O<sub>3</sub>). 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.

- LS-V1A sample monitoring result was higher the designated limit for total iron per the water quality criteria (see Table 4 and Table 7).

## **A. RESULTS COMPARISON**

The Top Deck stormwater runoff exhibited higher than average values versus historical surface water samples for most parameters in the first 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 little less than this screening criteria during the first 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 - 1Q2021 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	3/15/2021	STD1210315-	389.9	7.87	3.95	8.31	111	7.2 T	2.92	0.0119	0.544	107	3.12
SW-TD2	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-TD4	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-TD6	--	--	--	--	--	--	--	--	--	--	--	--	--
Average Value =			389.9	7.87	3.95	8.31	111	7.2	2.92	0.0119	0.544	107	3.12
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 - 1Q2021 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	1/14/2021	LV1A210114M	3755	6.78	11.7		1040	1140	233	2.83	3.75	24.3	293
LS-V1A	1/26/2021	LV1A210126R	1620	8.06	5.5		1460	2330	320	4.47	8.44	33.4	558
LS-V1A	2/3/2021	LV1A210204M	4672	6.98	10		2300	3280	490	6.49	13.6	48.7	991
LS-V1A	3/10/2021	LV1A210310M	5271	8.09	11.1		3500	5740	796	5.23	17.2	65.4	1910 S
Average Value =			3830	7	10		2075	3123	460	5	11	43	938
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 during the first quarter of 2021. There was no water quality exceedance with respect to the applicable water quality criteria SW-TD1 stormwater sampling location. 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 first 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 first 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 first 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 from the Top Deck of Area 5.

# Figures





LEGEND:  
● MONITORING STATION



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

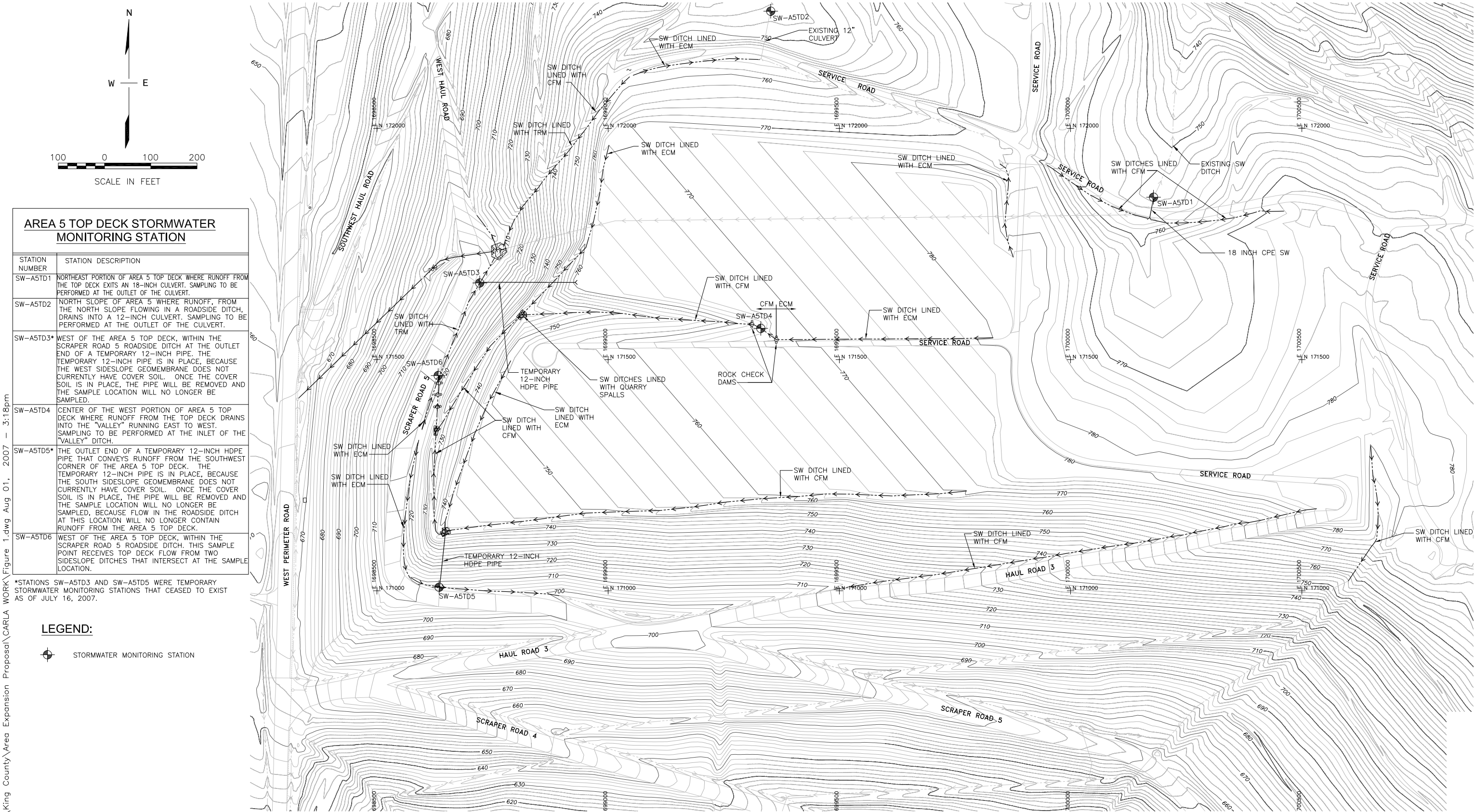


Figure 2  
Area 5 Top Deck  
Stormwater Monitoring Stations

# Appendix A:

## Inspection Reports

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## Cedar Hills Regional Landfill Monthly Facility Inspection

Inspected By: Sterling Bath Date: 1/15/2021 7:45am

## ACTION CODES

[illegible]

Item No.	Action Code(s)	Area Code(s) (See below or over for map)		Status			State Reason if “Fair or Poor”, include remedy to get item to ‘Good’	Date Corrective Action Implemented
		Area	Map	Good	Fair	Poor		
1	C13		I4	X			Fiber optics vault damaged by snowplow after snowstorm. This is a safety hazard and should be repaired. Replaced on 3/8/21.	
2	C5		I4		X		Downed tree blocking south perimeter road. Remove tree.	
3	C4		I4		X		Damaged south perimeter fence. Repair fence.	
4	C4/5		I5		X		Downed tree on south perimeter fence. Remove tree and repair fence.	
5	E5		C1		X		Pothole in road to west perimeter road west of Area 4. Fill in pothole.	
6	C4/5		A2		X		Downed tree on north perimeter fence. Remove tree and repair fence.	
7	C11	A8	G2		X		Triangular silt dikes blown around west side of Area 8. Pick up and dispose of dikes.	
8	D12		I7	X			Benchmark exceedance at compliance point C3 (SL3). Added hog fuel to Area 6 surface running into compliance point. As of 2/26/21 this point no longer is exceeding the turbidity benchmark.	
9	D11	A8	H2		X		Damaged construction fences in southwest corner of Area 8. Remove fences.	
10	C11	A8	G2		X		Litter in trees west of Area 8. Remove litter and discuss options for removal of litter that is difficult to remove.	
11	D11	A7	G4		X		Damaged silt fences along the southeast corner of Area 7. Remove fences.	
12	D11	A5	D3		X		Damaged silt fences on west side of Area 5. Remove fences.	

13	C5	A6	F5		X		Large bushes on south side of Area 6 may penetrate cover. Remove larger bushes.	
14	D11	A6	F5		X		Oily runoff on the south side of Area 6. Treat with hog fuel when resources are available.	
15	D13	A6	F5		X		Body of water on south side of Area 6. Do earth work over summer to provide adequate drainage to prevent the formation of this body of water.	
16	D11	A6/A4	D5		X		Damaged silt fences on north side of Area 6. Repair fence to protect stormwater.	
17	C6	A8	G2		X		Rill on northwest side of Area 8. Fill and compact rill and continue to monitor DLM.	
18	D11		G5		X		Missing "Only Rain Down the Drain" signs. Paint new signs.	

**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. This inspection took place after a snowstorm. Fiber optics vault was damaged by a snowplow near Pump Station 4 and was a safety hazard before it was replaced on 3/8/2021. A downed tree was blocking the south perimeter road and needs to be removed. Downed trees were found on the north and south perimeter fence. The trees should be removed from the fences and the fences should be repaired. Additionally, the south perimeter fence was damaged in another location and should be repaired. Triangular silt dikes from the slopes of Area 8 were blown around the west side of Area 8 and should be picked up and disposed of. At compliance point C3 (SW-SL3) a turbidity benchmark exceedance occurred during the inspection. I coordinated with operations to place hog fuel in the drainage basin to help lower the turbidity. On 2/26/21 the compliance point was sampled again and was no longer at exceedance level. There are damaged construction and silt fences on the south side of Area 8, the southeast corner of Area 7 and the west side of Area 5 that should be removed. Damaged silt fences on the north side of Area 6 should be repaired. There is litter west of Area 8 especially in the trees. Litter should be removed as able and a discussion should be started on removing litter tangled in trees. Large bushes on the south side of Area 6 were noted as being a being a puncture hazard to the slope cover and should be removed. Oily runoff is coming off the south side of Area 6 and should be treated with hog fuel. There is a body of water on the south side of Area 6 that will need to be drained. When the slope is workable by heavy equipment work should be done to increase the drainage in this area. A rill on the northwest side of the Area 8 should be filled in and compacted and monitored for damage to the DLM. A few stormwater drains need "Only Rain Down the Drain" signs.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL\_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 21\02 - Feb\Photos

<i>Category number:</i>	Action to be Completed. Suggested Remedy:
<i>Category number:</i>	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: 2/16/2021 & 2/17/2021

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\*.*

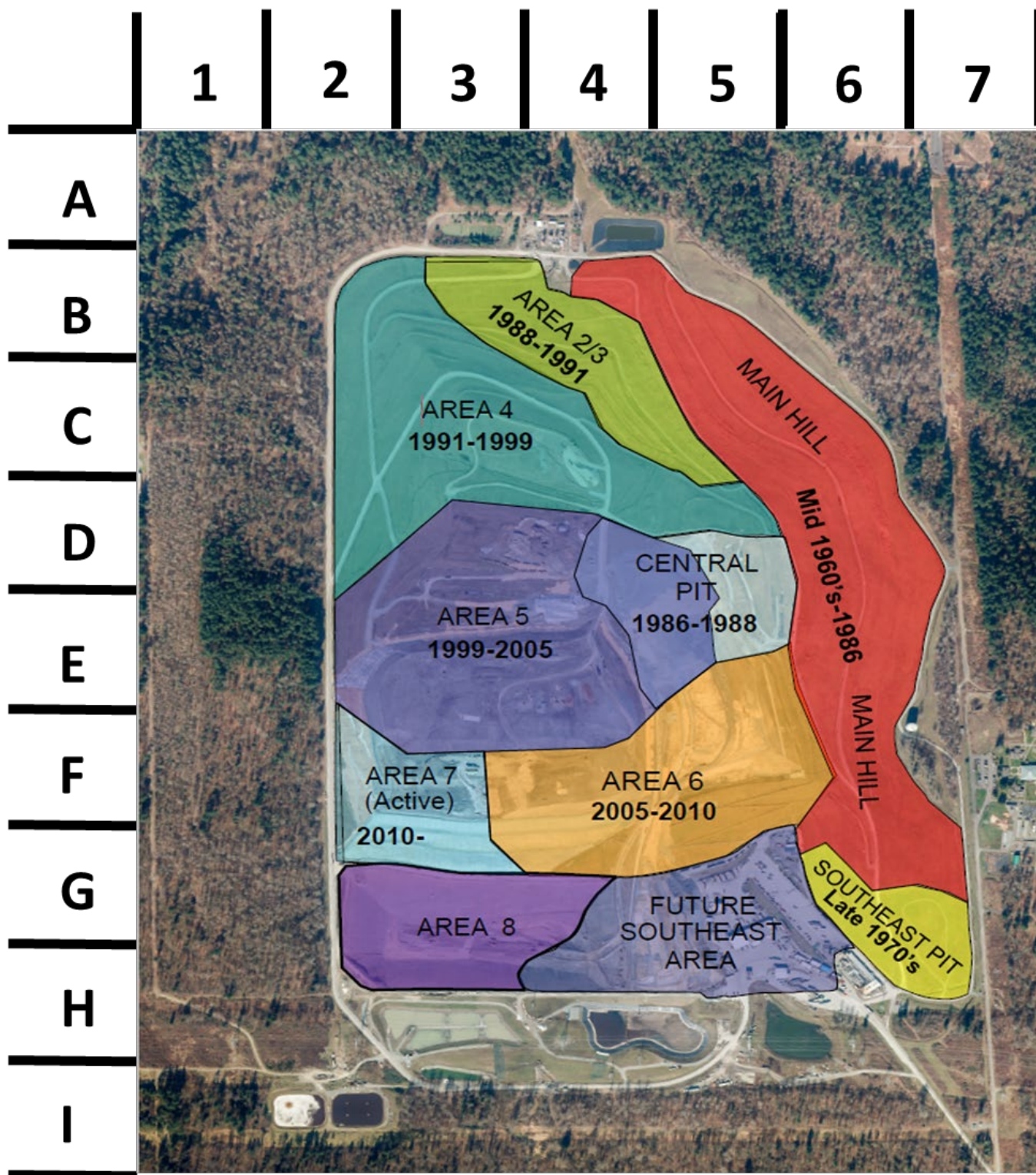
\* Immediately notify Environmental Compliance Coordinator

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

Printed name: Sterling Bath

Signature: Sterling Bath Date: 3/11/2021





## Cedar Hills Regional Landfill Monthly Facility Inspection

Inspected By: Sterling Bath Date: 2/16/2021 & 2/17/2021

Location: Cedar Hills Ambient Temperature: (°41/39F) Weather Condition: Overcast

[illegible]

Item No.	Action Code(s)	Area Code(s) (See below or over for map)		Status			State Reason if “Fair or Poor”, include remedy to get item to ‘Good’	Date Corrective Action Implemented
		Area	Map	Good	Fair	Poor		
1	D10	A7	G2/3/4		X		Damage evident in asphalt of south stormwater ditch of Area 7. Cold patch and continue to monitor.	
2	D11	A7	F4		X		Damaged silt fence southeast of Area 7. Remove as the silt fence is no longer necessary.	
3	C6	A8	G2		X		Gully above northwest corner of Area 8. Fill and compact and continue to monitor for damage to the DLM.	
4	D11	A4/6	E5		X		Silt fences north of Area 6/east of Area 4 are damaged and filling up with silt. These silt fences are necessary, so they should be replaced, and the build-up sediment should be removed.	
5	D11	A5	E2		X		Damaged silt fences on west side of Area 6 should be removed as they are no longer necessary.	
6	D10	A6	E4		x		Check dam on northwest side of Area 6 is clogged with sediment. Remove sediment and replace clogged rip rap in check dam.	
7	D11	A6			X		Oily discharge on west and south sides of Area 6. Cover with hog fuel as a treatment BMP and monitor.	
8	D11	A6	F5/6		X		Body of water on south side of Area 6. Modify slope to prevent storage of water during drier weather.	
9	C6	A6	F5/6		X		Rills on south side of Area 6. Fill, compact and hydroseed when weather permits.	
10	C5	A6	F4/5		X		Vegetation on south side of Area 6. Should be removed to prevent damage to Area 6 cover.	
11	D10	A4	C4		X		Damaged stormwater ditch on east Area 4. Repair ditch to minimize erosion to the hillside.	

12	<b>C6</b>	<b>A7</b>			<b>X</b>		Rills and bare slopes on north, west and south sides of Area 7. Should be filled, compacted and hydroseeded.	
13	<b>D11</b>		<b>I4</b>		<b>X</b>		Damaged silt fences by Pump Station 4 should be removed because it is no longer necessary.	
14	<b>D11</b>		<b>H6</b>		<b>X</b>		Damaged silt fences south of the southeast pit area. Remove fences because they are no longer necessary.	
15	<b>C6</b>	<b>A7</b>			<b>X</b>		Holes in intermediate cover of Area 7. Holes were patched before inspection form was completed.	
16	<b>C11</b>	<b>A7</b>	<b>E/F2</b>		<b>X</b>		Litter on west slope of Area 7 should be removed.	
17	<b>D11</b>		<b>H2</b>		<b>X</b>		Unnecessary construction fence south of Area 8 should be removed.	
18	<b>C11</b>		<b>G2</b>		<b>X</b>		Litter in trees west of Area 8. Remove litter.	
19	<b>D11</b>		<b>G/H5</b>		<b>X</b>		Stormwater drains around the maintenance shop need to have worn "Only Rain Down the Drain" signage updated.	

**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 well maintained. There is damage evident in the asphalt stormwater ditch south of Area 7. This should be cold patched and monitored continuously. Unnecessary silt and construction fences southeast of Area 7, west of Area 6, by Pump Station 4, south of southeast pit, and south of Area 8. Silt fences north of Area 6 and east of Area 4 are damaged and filling up with silt. The fences should be replaced, and the sediment should be removed. There is a gully northwest of Area 8. This should be filled, compacted, and monitored for damage to the DLM. Check dam on northwest side of Area 6 is clogged with sediment. Sediment should be removed, and clogged rip rap should be replaced. Oily discharge on west and south sides of Area 6. Should be covered with hog fuel and monitored. Body of water on south side of Area 6. Slope should be modified during summer to prevent future storage of water. Rills on south side of Area 6, north, west, and south sides of Area 7. Should be filled, compacted and hydroseeded. Vegetation on south side of Area 6 should be removed to prevent damage to Area 6 cover. Damaged stormwater ditch on east side of Area 4. Repair ditch to minimize erosion to the hillside. Holes in intermediate cover of Area 7. Holes were patched before this report was completed. Litter on west slope of Area 7 and in trees west of Area 8 should be removed. Stormwater drains around the maintenance shop need to have worn "Only Rain Down the Drain" signage updated.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL\_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 21\03 - Mar\Photos

<i>Category number:</i>	Action to be Completed. Suggested Remedy:
<i>Category number:</i>	Action to be Completed. Suggested Remedy:

SWPPP Modifications Necessary? (Circle **Y** or **N**)  
*If Y, log changes in Appendix I of SWPPP*

Potential Pollutant Sources **Y** / **N**

Site Map **Y** / **N**

INSPECTION DATE: 3/12/2021

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\*.*

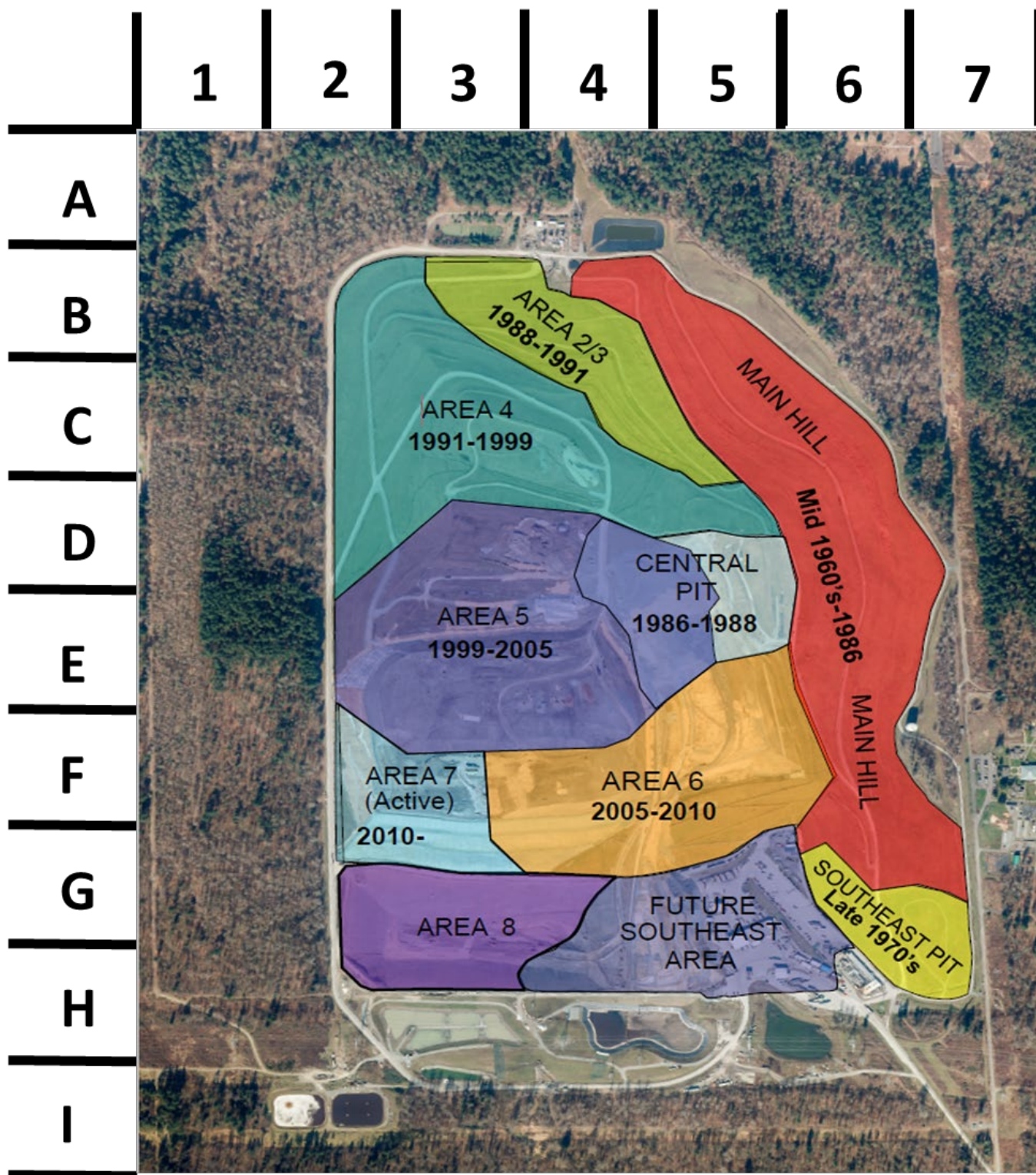
\* Immediately notify Environmental Compliance Coordinator

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

Printed name: Sterling Bath

Signature: \_\_\_\_\_ Date: 4/12/2021





## Cedar Hills Regional Landfill Monthly Facility Inspection

Inspected By: Sterling Bath Date: 3/12/2021 7:40 am

## ACTION CODES

[illegible]



Item No.	Action Code (s)	Area Code(s) (See below or over for map)		Status			State Reason if “Fair or Poor”, include remedy to get item to ‘Good’	Date Corrective Action Implemented
		Area	Map	Good	Fair	Poor		
1	D12		I3	X			High turbidity (36.9 NTU) at compliance point C3 by 227 <sup>th</sup> /228 <sup>th</sup> intersection. Continue to monitor and cover runoff from Area 6 with hog fuel. Turbidity was 3.82 on 1/25 primary reason thought to be absence of storm conditions.	
2	D12		I7	X			High turbidity (26.1 NTU) at compliance point C4 downstream of sand filter. Continue to monitor and remove fines from sand filter if possible. Turbidity was 5.62 on 1/25 primary reason thought to be absence of storm conditions.	
3	C4		A3		X		Damaged portion of north perimeter fence. Needs to be repaired.	
4	C4		I3		X		Damaged portion of south perimeter fence. Needs to be repaired.	
5	C13		E2		X		Windsock down on road to northwest corner of Area 7 stand windsock back up.	
6	C11	A8	G2		X		Litter around HDPE pipes northwest of Area 8. Remove litter.	
7	C6	A8	G2		X		Rills in northwest corner of Area 8 monitor. Fill, compact and continue to monitor for undermining of the DLM.	
8	D10	A7	G2/3/4		X		Cracks forming in the south stormwater ditch of Area 7. Cold patch cracks and continue to monitor.	
9	D11	A7	G4		X		Silt fence is no longer necessary on the southeast corner of Area 7. Remove silt fences.	
10	D11	A6	G5		X		Runoff flowing on south side of Area 6. Cover with hog fuel to treat	

							and provide additional cover in this area.	
11	<b>D13</b>	<b>A6</b>	<b>G5</b>		<b>X</b>		Body of water on south side of Area 6. Needs to be drained by either raising the rip rap ditch level or lowering the bottom of the soil where the body of water forms.	
12	<b>C6</b>	<b>A6</b>	<b>G5</b>		<b>X</b>		Rill on south side of Area 6 need to be filled and compacted then hydroseeded.	
13	<b>C6</b>	<b>A7</b>	<b>E/F3</b>		<b>X</b>		Rill on north, northwest, west and south slope of Area 7.	
14	<b>C11</b>	<b>A7</b>	<b>E/F2</b>		<b>X</b>		Litter on west slope of Area 7. Needs to be removed.	
15	<b>C6</b>	<b>A7</b>	<b>E3/4</b>	<b>X</b>			Hole in intermediate cover north of Area 7. Needs to be sealed by in-house crew or contractors. Methane measurements were made. High methane was detected in holes in liner on 1/26/20. Work started to address on 2/3. Sealed by Operations and Contractors 2/10.	
16	<b>D11</b>	<b>A8</b>	<b>H2</b>		<b>X</b>		Unnecessary silt fence south of Area 8. Should be removed.	
17	<b>D11</b>		<b>G5</b>		<b>X</b>		Stormwater drains need "Only Rain Down the Drain" signage.	
18	<b>D11</b>	<b>A5</b>	<b>D/E3</b>		<b>X</b>		Silt and construction fences no longer needed on west side of Areas 4 and 5. Should be removed.	

**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 site was impacted from heavy rains and winds in the week prior. Two compliance points had benchmark exceedances above the 25 NTU at the time of monitoring. Location C3 needs to be monitored and have sources covered with hog fuel. Retested location C3 on 1/25 the turbidity had reduced to 3.82 NTU primarily due to lack of storm conditions. Location C4 needs to be monitored and have fine sand removed if possible. Retesting on 1/25 the turbidity had reduced to 3.82 NTU. Retested location C4 on 1/25 the turbidity had reduced to 5.62 NTU primarily due to lack of storm conditions. There are damaged portions of the north and south perimeter fence that need to be repaired. A windsock is down on the road to the northwest corner of Area 7 that needs to be set back up. Litter around the HDPE pipes northwest of Area 8 and on the west slope of Area 7 needs to be removed. Rills on the northwest corner of Area 8 should be monitored so, that they do not undermine the DLM and filled and compacted. Cracks have formed in the south stormwater ditch of Area 7 that should be cold patched and monitored. Silt and construction fences southeast of Area 7, south of Area 8, westside of Area 4 and the west side of Area 5 that need to be removed. Runoff is coming off the south side of Area 6 this should be covered with hog fuel. There is a body of water on the south side of Area 6 that needs to be drained by either raising the rip-rap ditch level or lowering the bottom of the soil where the body of water is formed. Rills have formed on the south side of Area 6, the north, west and south slopes of Area 7 that should be filled, compacted and hydroseeded. Hole in the intermediate cover north of Area 7 needs to be sealed by in-house or contractor. Stormwater drains behind the shop need to be marked with "Only Rain Down the Drain" signs.

Photos taken during the site inspection can be found at: P:\SWPublic\CHL\_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 21\01 - Jan\Photos

<i>Category number: C6</i>	Action to be Completed. Suggested Remedy: Seal holes in intermediate cover of Area 7. Work is underway as of 2/3 to seal all holes in liner.
<i>Category number:</i>	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: 1/15/2021 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.*

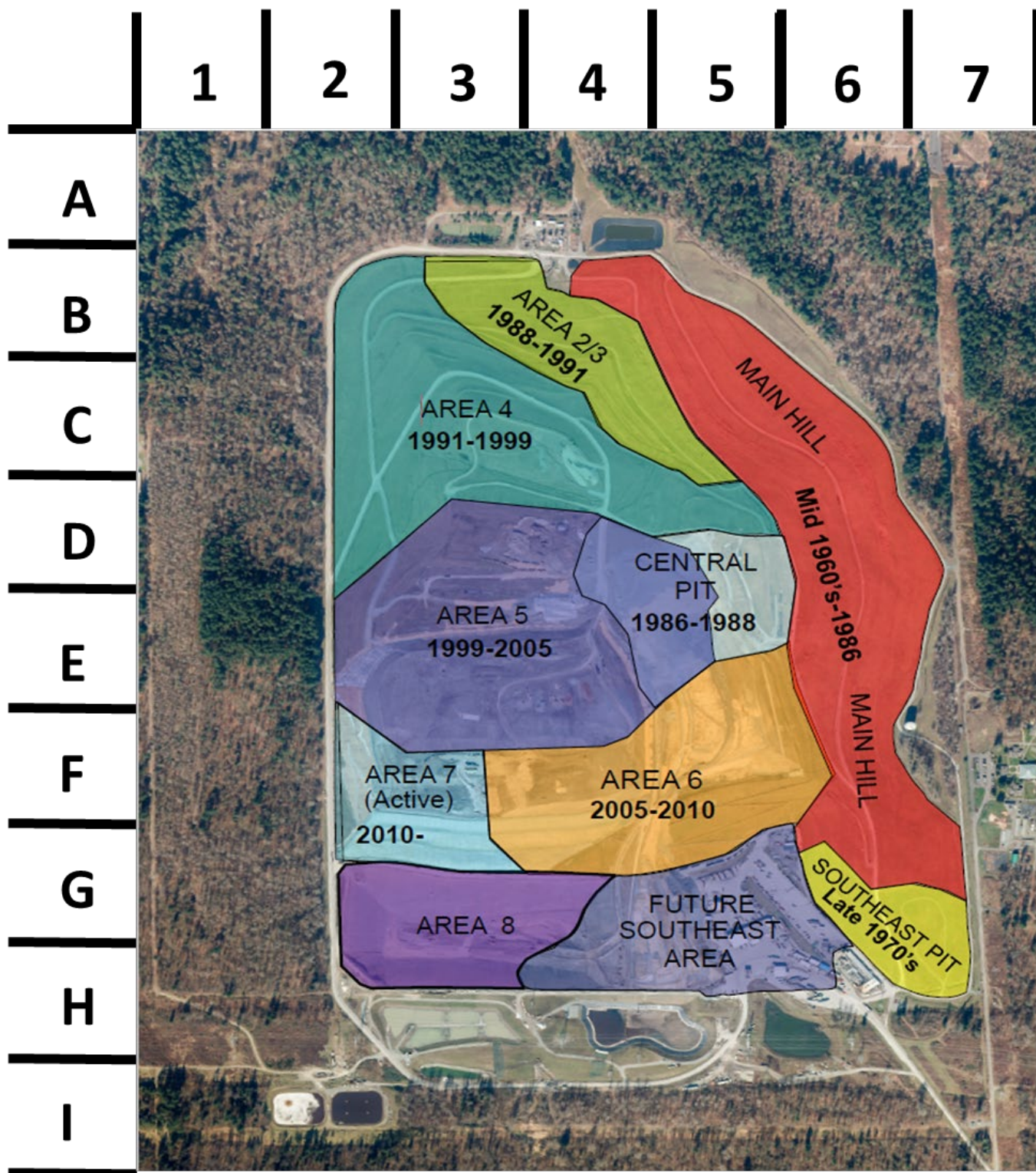
     *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP\*.*

\* 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: Sterling Bath Date: 2/11/2021



## Cedar Hills Area 5 Maintenance

for the period 01/01/2021 to 03/31/2021

*Click the blue 'Y' to see notes*

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
<b>Area 5</b>						
	CHAREA5	0000023814	CLOSED	Monthly Gas System PM	01/22/2021	N
	CHAREA5	0000023814	CLOSED	Monthly Stormwater PM	01/22/2021	N
	CHAREA5	0000023814	CLOSED	Monthly Cover System PM	01/22/2021	N
	CHAREA5	0000023949	CLOSED	Monthly Gas System PM	02/07/2021	N
	CHAREA5	0000023949	CLOSED	Monthly Stormwater PM	02/07/2021	N
	CHAREA5	0000023949	CLOSED	Monthly Cover System PM	02/07/2021	N
	CHAREA5	0000024091	CLOSED	Monthly Gas System PM	03/13/2021	N
	CHAREA5	0000024091	CLOSED	Monthly Stormwater PM	03/13/2021	N
	CHAREA5	0000024091	CLOSED	Monthly Cover System PM	03/13/2021	N
	CHAREA5E	0000023768	CLOSED	Monthly Header PM	01/16/2021	N
	CHAREA5E	0000023905	CLOSED	Monthly Header PM	02/20/2021	N
	CHAREA5E	0000024045	CLOSED	Monthly Header PM	03/03/2021	N
	CHAREA5W	0000023767	CLOSED	Monthly Header PM	01/23/2021	N
	CHAREA5W	0000023904	CLOSED	Monthly Header PM	02/12/2021	N
	CHAREA5W	0000024044	CLOSED	Monthly Header PM	03/03/2021	N



## Cedar Hills Landfill Storm Water Pollution Prevention Plan Maintenance

for the period 01/01/2021 to 03/31/2021

*Click the blue 'Y' to see notes*

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

### Trash Racks

Cedar Hills	0000049104	CLOSED	PMW	01/07/2021	N
Cedar Hills	0000049153	CLOSED	PMW	01/12/2021	<a href="#">Y</a>
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

### Ditches

Cedar Hills	0000049104	CLOSED	PMW	01/07/2021	N
Cedar Hills	0000049153	CLOSED	PMW	01/12/2021	<a href="#">Y</a>
Cedar Hills	0000049154	CLOSED	PMM	01/12/2021	N
Cedar Hills	0000049232	CLOSED	PMI	02/25/2021	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

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

### Pipes/Culverts

Cedar Hills	0000049232	CLOSED	PMI	02/25/2021	N
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### 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	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

### General

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



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

#### Leachate System

CHPS1	0000049069	CLOSED	PMW	01/05/2021	N
CHPS1	0000049208	CLOSED	PMW	01/12/2021	N
CHPS1	0000049286	CLOSED	PMW	01/19/2021	N
CHPS1	0000049329	CLOSED	PMW	01/24/2021	N
CHPS1	0000049413	CLOSED	PMW	02/02/2021	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
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
CHPS3	0000049066	CLOSED	PMW	01/05/2021	N
CHPS3	0000049205	CLOSED	PMW	01/12/2021	N

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

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

#### 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
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

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

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#### Landfill Gas

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
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
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
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

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

#### Landfill Roads

	CHSTOCKPILE	0000023811	CLOSED	PMR	01/22/2021	N
	CHSTOCKPILE	0000023946	CLOSED	PMR	02/07/2021	N
	CHSTOCKPILE	0000024088	CLOSED	PMR	03/13/2021	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
	CHPSR	0000023804	CLOSED	PMR	01/22/2021	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPSR	0000023939	CLOSED	PMR	02/07/2021	N
	CHPSR	0000024081	CLOSED	PMR	03/13/2021	N
	CHMAINGATE	0000023803	CLOSED	PMR	01/22/2021	N
	CHMAINGATE	0000023938	CLOSED	PMR	02/07/2021	N
	CHMAINGATE	0000024080	CLOSED	PMR	03/13/2021	N

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#### Landfill Roads

Sweeper	0	see Equipment Operator Spreadsheet	NA	0	N
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#### Equipment

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

# Appendix B:

## Gas Monitoring Reports

## A hand-drawn graph on a grid. The grid consists of 10 vertical columns and 10 horizontal rows. A straight line is drawn from the bottom-left corner to the top-right corner, passing through the center of the grid. The line is labeled "NO EXCEEDANCE" in a handwritten, slightly curved font, positioned above the line in the middle of the grid.





## A 10x10 grid with a diagonal line running from the top-left corner to the bottom-right corner. The grid is composed of 10 columns and 10 rows. The diagonal line starts at the top-left corner of the first column and ends at the bottom-right corner of the tenth column.

A graph on a grid showing a linear relationship between two variables. The line starts at the top left and slopes downwards to the bottom right, passing through the center of the grid.



[illegible]

No Exceedances detected

[illegible]

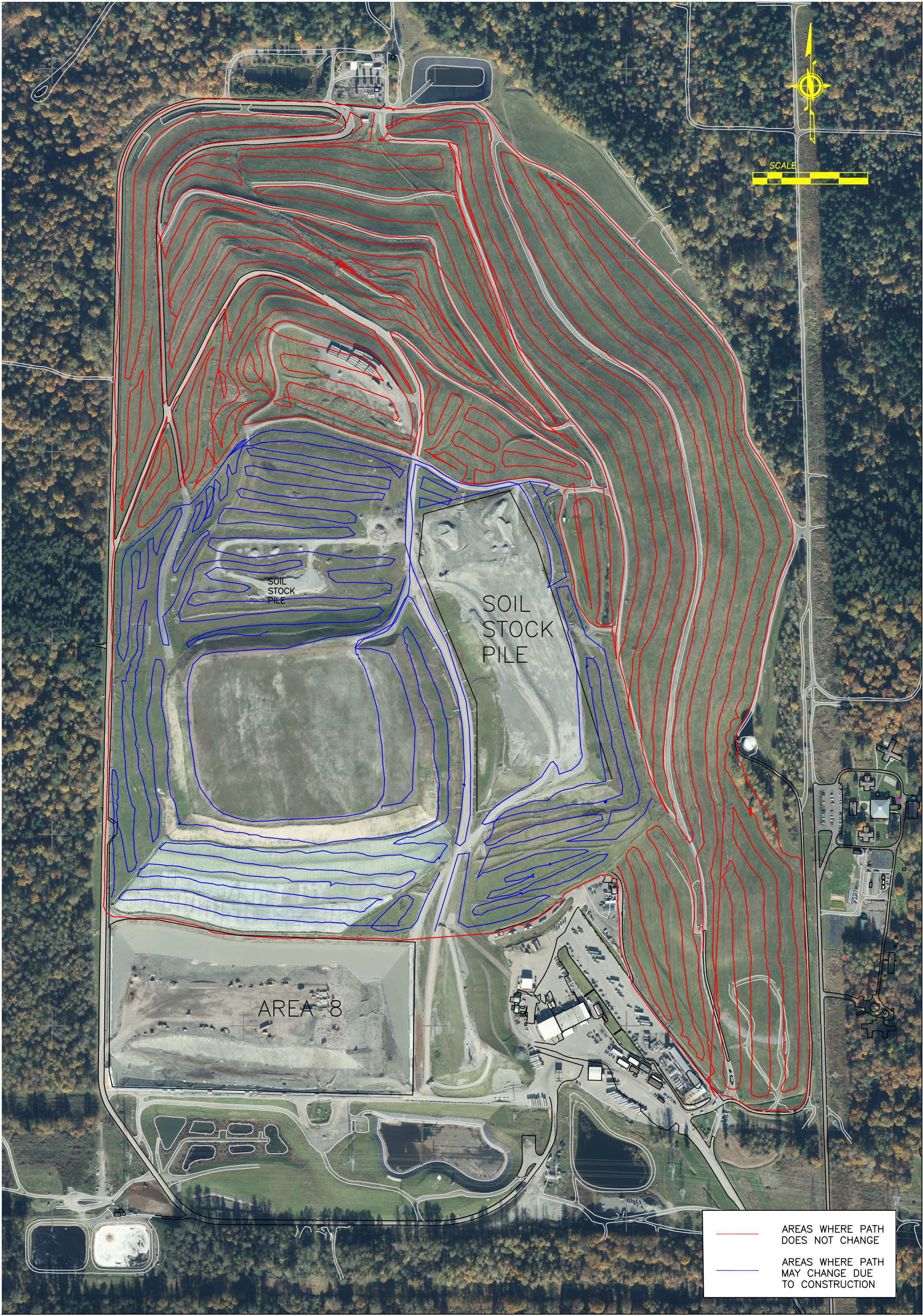
No Exceedances detected



## Cedar Hills Landfill Serpentine Logs 2021

[illegible]





SCALE

SOIL  
STOCK  
PILE

SOIL  
STOCK  
PILE

AREA 8

- AREAS WHERE PATH DOES NOT CHANGE
- AREAS WHERE PATH MAY CHANGE DUE TO CONSTRUCTION




Work Order Report - WO# 0000024007

2/18/2021 9:47:15 AM

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: ZZZZZZZG5: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000024007

Date In: 02/18/2021 09:45

Date Promised: 02/19/2021 09:45

Date Out: 00:00

WO Status: A Last WO#:0000023936

WO Priority: Last WO Date: 01/28/2021

Track DownTime: Y Employee:

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

METERS					
WO Meter	Reading	Override?	Eq Meter	Actual	LTD
PM SERVICE					
Type	Cycle		Next Due	Description	
1	A - SET AN ANNUAL DATE		07/15/2021	Annual Inspection	
Q	0 - MONTHS		03/30/2021	Quarterly Inspection	
S	0 - MONTHS		07/15/2021	Scheduled Inspection	
X	0 - MONTHS		02/10/2021	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			0 758 RB	0.00000 Gas
PMQ BS	PM Service   PMQ per list   Billable   Scheduled, Target			0 763 IP	0.00000 Gas
PMQ BS	PM Service   PMQ per list   Billable   Scheduled, Target			0 764	0.00000 Gas
PMQ BS	PM Service   PMQ per list   Billable   Scheduled, Target			0 765 786	0.00000 Gas
PMQ BS	PM Service   PMQ per list   Billable   Scheduled, Target			0 785	0.00000 Gas

NOTES

Work Order Report - WO# 0000024007

2/18/2021 9:47:15 AM

Repair Code:  
Equipment: cedar hills  
Work Order: 0000024007

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

## Work Order Task List

Repair Code: PMQ BS

Equipment: cedar hills

Work Order: 0000024007

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

RB - 3/24/21, 3 hrs.  
 3/26/21, 6 hrs.  
 3/30/21, 3 hrs.

ET 3/19/21 3 hrs

DNS 3/17/21 4 hrs

RS 3/18/21 10 hrs

3/25/21 10 hrs

3/27/21 4 hrs

JP 3/21/21 6 hrs  
 3/23/21 7.75 hrs

Work Order Report - WO# 0000023745

12/30/2020 9:42:48 AM

WO Company: Gas King County Landfill Gas  
WO Department: 7572 Waste Water, LF Gas  
WO Shop: Gas Landfill Gas  
Equipment: charea5td License: na  
Location: 20 Color:  
Year: 2010 Serial: na  
Make: UD Engine:  
Model: UD  
Class: ZZZZZZZG5: Landfill Gas - not classified

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

METERS					
WO Meter	Reading	Override?	Eq Meter	Actual	LTD


PM SERVICE			
Type	Cycle	Next Due	Description
V	0 - MONTHS	01/10/2021	Cover System

WARRANTY INFORMATION			
Type	Cycle	Date Expires	Description

REPAIRS				
RTY	Description	Status	MID	Est. Labor Shop
PMV BS	PM Service   PM Cover System   Billable   Scheduled, Target	0	710	0.00000 Gas

NOTES				
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TECHNICIAN COPY



WO#: 0000023745

Date In: 12/30/2020 09:42

Date Promised: 12/31/2020 09:42

Date Out: 00:00

WO Status: A Last WO#:0000023612

WO Priority: Last WO Date: 11/13/2020

Track DownTime: Y Employee:

Work Order Report - WO# 0000023745

12/30/2020 9:42:48 AM

Repair Code:  
Equipment: charea5td  
Work Order: 0000023745

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

## Work Order Task List

Repair Code: PMV BS  
Equipment: charea5td  
Work Order: 0000023745

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

1-6-21

2 hr

## Work Order Report - WO# 0000023746

12/30/2020 9:43:36 AM

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

Equipment: charea6td License: na

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

## TECHNICIAN COPY



WO#: 0000023746

Date In: 12/30/2020 09:43  
 Date Promised: 12/31/2020 09:43  
 Date Out: 00:00

WO Status: A Last WO#: 0000023613  
 WO Priority: Last WO Date: 11/13/2020  
 Track DownTime: Y Employee:

Tire Size 1: GVW: 0  
 Tire Size 2: EAC: 24  
 Transmission: Department: 7572:Waste Water, LF Gas  
 Fuel Type1: Company: Gas King County Landfill Gas  
 Fuel Type2: Site: 20:20- Cedar Hills  
 Fuel Type3: Monitor Group:  
 Oil Capacity: 0.000 Comments:  
 Fuel Cap1: 0.000 CH Area 6  
 Fuel Cap2: 0.000

## METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

## PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	01/10/2021	Cover System

## WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

## REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMV BS	PM Service   PM Cover System   Billable   Scheduled, Target	0	710	0.00000	Gas

## NOTES

## Work Order Report - WO# 0000023746

12/30/2020 9:43:36 AM

## Work Order Parts List

Repair Code:  
 Equipment: charea6td  
 Work Order: 0000023746

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

## Work Order Task List

Repair Code: PMV BS  
Equipment: charea6td  
Work Order: 0000023746

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

1-6-21

2 hr



## Work Order Report - WO# 0000023883

1/27/2021 10:46:55 AM

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

Equipment: charea5td License: na

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

## TECHNICIAN COPY



**WO#: 0000023883**  
Date In: 01/27/2021 10:46  
Date Promised: 01/28/2021 10:46  
Date Out: 00:00  
WO Status: A Last WO#: 0000023745  
WO Priority: Last WO Date: 12/30/2020  
Track DownTime: Y Employee:

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

## METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
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## PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	02/10/2021	Cover System

## WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
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## REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMV BS	PM Service   PM Cover System   Billable   Scheduled, Target	0	786	ET	0.00000 Gas

## NOTES

## Work Order Report - WO# 0000023883

1/27/2021 10:46:55 AM

## Work Order Parts List

Repair Code:  
Equipment: charea5td  
Work Order: 0000023883

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

## Work Order Task List

Repair Code: PMV BS  
Equipment: chareaStd  
Work Order: 0000023883

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
02/12/21	1	Gas- Visually inspect Header	/				
	2	Gas- Ck for damage @ flare station inlet	/				
	3	Gas- Ck collection field pipe integrity	/				
	4	Gas- Ck collection field pipe alignment	/				
	5	Gas- Ck for damage @ possible stress pts	/				
	6	Gas- Ck for damage at vertical pipes	/				
	7	Gas- Ck for damage at well heads	/				
	8	Gas- Ck for gas leaks with TVA 1000	/				
	9	Gas- Ck for settlement/ponding	/				
	10	Gas- Ck surface water conveyance system	/				
	11	Gas- Ck and open vault covers	/				
	12	Gas- Exercise field and header valves	/				
	13	Gas- Ck flex hoses and connections	/				
	14	Gas- Ck for erosion	/				
	15	Gas- Ck for vegetation	/				
	16	Gas- Ck cover system	/				
	17	Gas- Ck for refuse/litter	/				
	18	Gas- Note any deficiencies	/				


1 hr  
EJ

Work Order Report - WO# 0000023884

1/27/2021 10:48:42 AM

WO Company: Gas King County Landfill Gas  
WO Department: 7572 Waste Water, LF Gas  
WO Shop: Gas Landfill Gas  
Equipment: charea6td License: na  
Location: 20 Color:  
Year: 2010 Serial: na  
Make: UD Engine:  
Model: UD  
Class: ZZZZZZZZ6S: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000023884  
Date In: 01/27/2021 10:48  
Date Promised: 01/28/2021 10:48  
Date Out: 00:00  
WO Status: A Last WO#: 0000023746  
WO Priority: Last WO Date: 12/30/2020  
Track DownTime: Y Employee:

Tire Size 1:	GVW:	0
Tire Size 2:	EAC:	24
Transmission:	Department:	7572:Waste Water, LF Gas
Fuel Type1:	Company:	Gas King County Landfill Gas
Fuel Type2:	Site:	20:20- Cedar Hills
Fuel Type3:	Monitor Group:	
Oil Capacity: 0.000	Comments:	
Fuel Cap1: 0.000	CH Area 6	
Fuel Cap2: 0.000		

METERS					
WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE			
Type	Cycle	Next Due	Description
V	0 - MONTHS	02/10/2021	Cover System

WARRANTY INFORMATION			
Type	Cycle	Date Expires	Description

REPAIRS				
RTY	Description	Status	MID	Est. Labor Shop
PHV BS	PM Service   PM Cover System   Billable   Scheduled, Target	0	785 ET	0.00000 Gas

NOTES				
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Work Order Report - WO# 0000023884

1/27/2021 10:48:42 AM

Repair Code:  
Equipment: charea6td  
Work Order: 0000023884

Work Order Parts List

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

Work Order Task List

Repair Code: PMV BS  
Equipment: charea6td  
Work Order: 0000023884

Complete?	Step	Tasks	OK	Adjust	Repair	Replace	Comments
02/12/21	1	Gas- Visually inspect Header	/				
	2	Gas- Ck for damage @ flare station inlet	/				
	3	Gas- Ck collection field pipe integrity	/				
	4	Gas- Ck collection field pipe alignment	/				
	5	Gas- Ck for damage @ possible stress pts	/				
	6	Gas- Ck for damage at vertical pipes	/				
	7	Gas- Ck for damage at well heads	/				
	8	Gas- Ck for gas leaks with TVA 1000	/				
	9	Gas- Ck for settlement/ponding	/				
	10	Gas- Ck surface water conveyance system	/				
	11	Gas- Ck and open vault covers	/				
	12	Gas- Exercise field and header valves	/				
	13	Gas- Ck flex hoses and connections	/				
	14	Gas- Ck for erosion	/				
	15	Gas- Ck for vegetation	/				
	16	Gas- Ck cover system	/				
	17	Gas- Ck for refuse/litter	/				
	18	Gas- Note any deficiencies	/				


1hr  
ECP

Work Order Report - WO# 0000024021

2/18/2021 10:23:56 AM

WO Company: Gas King County Landfill Gas  
WO Department: 7572 Waste Water, LF Gas  
WO Shop: Gas Landfill Gas  
Equipment: charea5td License: na  
Location: 20 Color:  
Year: 2010 Serial: na  
Make: UD Engine:  
Model: UD  
Class: ZZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000024021  
Date In: 02/18/2021 10:23  
Date Promised: 02/19/2021 10:23  
Date Out: 00:00  
WO Status: A Last WO#: 0000023883  
WO Priority: Last WO Date: 01/27/2021  
Track DownTime: Y Employee:

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

METERS					
WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE			
Type	Cycle	Next Due	Description
V	0 - MONTHS	02/10/2021	Cover System

WARRANTY INFORMATION			
Type	Cycle	Date Expires	Description

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

NOTES				
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Work Order Report - WO# 0000024021

2/18/2021 10:23:56 AM

Repair Code:  
Equipment: charea5td  
Work Order: 0000024021

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

## Work Order Task List

Repair Code: PMV 85  
Equipment: charea5td  
Work Order: 0000024021

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

3/8/2021 1 hr


WO# 0000024022

2/18/2021 10:26:15 AM

Work Order Report - WO# 0000024022

2/18/2021 10:26:15 AM

King County Landfill Gas  
7572 Waste Water, LF Gas  
Landfill Gas  
ent: charea6td License: na  
on: 20 Color:  
2010 Serial: na  
ake: UD Engine:  
Model: UD  
Class: ZZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY	
	
<b>WO#: 0000024022</b>	
Date In: 02/18/2021 10:26	
Date Promised: 02/19/2021 10:26	
Date Out: 00:00	
WO Status: A	Last WO#: 0000023884
WO Priority:	Last WO Date: 01/27/2021
Track DownTime: Y	Employee:

Work Order Parts List

Repair Code:  
Equipment: charea6td  
Work Order: 0000024022

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

Tire Size 1:	GVW:	0
Tire Size 2:	EAC:	24
Transmission:	Department:	7572:Waste Water, LF Gas
Fuel Type1:	Company:	Gas King County Landfill Gas
Fuel Type2:	Site:	20:20- Cedar Hills
Fuel Type3:	Monitor Group:	
Oil Capacity: 0.000	Comments:	
Fuel Cap1: 0.000	CH Area 6	
Fuel Cap2: 0.000		

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	02/10/2021	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PNV BS	PM Service   PM Cover System   Billable   Scheduled, Target	0	765	B.B.	0.00000 Gas

NOTES

Work Order Task List

Repair Code: PMV BS  
Equipment: charea6td  
Work Order: 0000024022

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

3/8/21 45 min



WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: charea5 License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

## TECHNICIAN COPY

**WO#: 0000023814**

Date In: 12/30/2020 11:46

Date Promised: 12/31/2020 11:46

Date Out: 00:00

WO Status: A Last WO#: 0000023678

WO Priority: Last WO Date: 11/25/2020

Track DownTime: Y Employee:

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 5

Fuel Cap2: 0.000

## METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

## PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	01/10/2021	Gas System
T	0 - MONTHS	01/10/2021	Stormwater
V	0 - MONTHS	01/10/2021	Cover System

## WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

## REPAIRS

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

## NOTES

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

**PMG BS**

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

**PMT BS**

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

**PMV BS**

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

DATE: 1/22/21

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: charea6 License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000023815**

Date In: 12/30/2020 11:47

Date Promised: 12/31/2020 11:47

Date Out: 00:00

WO Status: A Last WO#: 0000023734

WO Priority: Last WO Date: 12/30/2020

Track DownTime: Y Employee:

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Typel:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 6

Fuel Cap2: 0.000

## METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
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## PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	01/10/2021	Gas System
S	0 - MONTHS	01/28/2021	Scheduled Inspection
T	0 - MONTHS	01/10/2021	Stormwater
V	0 - MONTHS	01/10/2021	Cover System
W	W - WEEKS	12/23/2020	Weekly Inspection

## WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
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## REPAIRS

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

## NOTES

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

**PMG BS**

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

**PMT BS**

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

**PMV BS**

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

**DATE:**

1/22/21

WCA Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: charea5 License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY

**WO#: 0000023949**

Date In: 01/28/2021 08:28

Date Promised: 01/29/2021 08:28

Date Out: 00:00

WO Status: A Last WO#:0000023814

WO Priority: Last WO Date: 12/30/2020

Track DownTime: Y Employee:

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 5

Fuel Cap2: 0.000

## METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
----------	---------	-----------	----------	--------	-----

## PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	02/10/2021	Gas System
T	0 - MONTHS	02/10/2021	Stormwater
V	0 - MONTHS	02/10/2021	Cover System

## WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
------	-------	--------------	-------------

## REPAIRS

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

## NOTES

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

**PMG BS**

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

**PMT BS**

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

**PMV BS**

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

DATE: 2/7/21

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: charea6 License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

TECHNICIAN COPY



WO#: 0000023950

Date In: 01/28/2021 08:29

Date Promised: 01/29/2021 08:29

Date Out: 00:00

WO Status: A Last WO#:0000023873

WO Priority: Last WO Date: 01/27/2021

Track DownTime: Y Employee:

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 6

Fuel Cap2: 0.000

## METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
----------	---------	-----------	----------	--------	-----

## PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	02/10/2021	Gas System
S	0 - MONTHS	02/28/2021	Scheduled Inspection
T	0 - MONTHS	02/10/2021	Stormwater
V	0 - MONTHS	02/10/2021	Cover System
W	W - WEEKS	01/20/2021	Weekly Inspection

## WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
------	-------	--------------	-------------

## REPAIRS

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

## NOTES

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

**PMG BS**

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

**PMT BS**

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

**PMV BS**

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

DATE: 2/7/21



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

Equipment: charea5 License: na

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

## TECHNICIAN COPY



**WO#: 0000024091**

Date In: 02/19/2021 12:01

Date Promised: 02/20/2021 12:01

Date Out: 00:00

WO Status: A Last WO#: 0000023949

WO Priority: Last WO Date: 01/28/2021

Track DownTime: Y Employee:

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

## METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
----------	---------	-----------	----------	--------	-----

## PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	02/10/2021	Gas System
T	0 - MONTHS	02/10/2021	Stormwater
V	0 - MONTHS	02/10/2021	Cover System

## WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
------	-------	--------------	-------------

## REPAIRS

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

## NOTES

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

### PMG BS

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

### PMT BS

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

### PMV BS

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

DATE: 3/13/12 S-CC

WO Company: Gas King County Landfill Gas

WO Department: 7572 Waste Water, LF Gas

WO Shop: Gas Landfill Gas

Equipment: charea6 License: na

Location: 20

Color:

Year: 2006

Serial: na

Make: UD

Engine:

Model: UD

Class: ZZZZZZZGS: Landfill Gas - not classified

## TECHNICIAN COPY

**WO#: 0000024092**

Date In: 02/19/2021 12:01

Date Promised: 02/20/2021 12:01

Date Out: 00:00

WO Status: A Last WO#: 0000024005

WO Priority: Last WO Date: 02/18/2021

Track DownTime: Y Employee:

Tire Size 1:

GVW: 0

Tire Size 2:

EAC: 24

Transmission:

Department: 7572:Waste Water, LF Gas

Fuel Type1:

Company: Gas King County Landfill Gas

Fuel Type2:

Site: 20:20- Cedar Hills

Fuel Type3:

Monitor Group:

Oil Capacity: 0.000

Comments:

Fuel Cap1: 0.000

CH Area 6

Fuel Cap2: 0.000

## METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD
----------	---------	-----------	----------	--------	-----

## PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	02/10/2021	Gas System
S	0 - MONTHS	03/28/2021	Scheduled Inspection
T	0 - MONTHS	02/10/2021	Stormwater
V	0 - MONTHS	02/10/2021	Cover System
W	W - WEEKS	02/28/2021	Weekly Inspection

## WARRANTY INFORMATION

Type	Cycle	Date Expires	Description
------	-------	--------------	-------------

## REPAIRS

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

## NOTES

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

**PMG BS**

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

**PMT BS**

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

**PMV BS**

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

DATE: 3/13/21 5:00

# **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

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## TECHNICAL MEMORANDUM

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May 12, 2021

TO: Subrina Tahsin, Engineer II, Facility Engineering and Science Section, Solid Waste Division, Department of Natural Resources and Parks (DNRP)

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

RE: Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations  
First 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 first 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 January 4, 2021. These measurements were received by WLRD on March 1 through April 16, 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.

When comparing results from this report to that of the fourth quarter of 2020, there have been no significant changes in the interpreted regional aquifer groundwater conditions.

## Groundwater Elevation Data

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

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 January 4, 2021.

## Direction of Groundwater Flow

Interpreted groundwater flow directions in the regional aquifer, based on measurements taken on January 4, 2021, are shown in Figure A-1. Calculated groundwater elevations during the first quarter of 2021 indicate that groundwater in the regional aquifer generally flows to the:

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

Table A-2 lists the flow direction for each portion of the regional aquifer beneath the Landfill based on measurements taken on January 4, 2021 and mapping of groundwater elevation contours.

## Groundwater Parameters

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



The hydraulic gradient is greatest under the southern portion of the Landfill (0.011 ft/ft) and slightly lower under the rest of the Landfill based on measurements made during the first quarter of 2021.

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:

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

$v$  = Groundwater velocity [L/t]

$n_{eff}$  = Effective porosity [dimensionless]

$K$  = Hydraulic conductivity [L/t]

$\frac{\Delta H}{\Delta L}$  = Hydraulic gradient [L/L]

The mean horizontal groundwater velocities for the regional aquifer beneath the Landfill, are lowest under the southern portion of the Landfill (0.008 ft/d) and much greater under the rest of the Landfill (up to 2.08 ft/d under the central portion).

## References

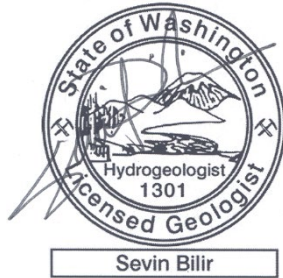
Aspect Consulting, LLC. (Aspect). 2010. Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill. Unpublished work. April 30.

HDR Engineering, Inc. (HDR). 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](mailto: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 – First Quarter 2021
- Table A-2: Groundwater Parameters – First Quarter 2021
- Figure A-1: Groundwater Potentiometric Surface Map – First Quarter 2021 – Regional Aquifer

**Table A-1: Well Details and Groundwater Elevations – First Quarter 2021**  
**Cedar Hills Regional Landfill**  
**King County, Washington**

							January 4, 2021	
	Well Identification	Easting <sup>2</sup> (ft)	Northing <sup>2</sup> (ft)	Top of Casing Elevation (ft MSL <sup>3</sup> )	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Measured Depth to Water <sup>1</sup> (ft)	Groundwater Elevations (ft MSL)
Wells with water levels <u>within 10 ft</u> of the top of screen	MW-60	1701154.47	167873.20	567.15	334.81	325.81	229.00	338.15
	MW-64	1701980.27	168772.19	596.55	334.03	320.23	266.03	330.52
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	238.52	292.76
	MW-67	1701776.69	172610.65	516.43	297.80	284.00	220.13	296.30
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	331.50	315.57
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	360.64	311.23
	MW-73	1698954.95	174995.59	485.70	288.11	278.81	191.12	294.58
	MW-74R	1700386.85	173813.79	531.26	289.90	280.40	239.80	291.46
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	137.68	354.03
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	183.53	310.13
	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	145.64	351.17
	MW-84	1698602.89	173894.54	530.80	292.46	282.96	235.95	294.85
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	245.74	286.02
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	249.56	286.48
	MW-87	1700670.27	173493.76	537.31	283.68	274.38	247.91	289.40
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	227.22	286.46
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	308.28	323.87
	MW-94	1698674.21	167210.22	495.51	357.22	348.52	144.03	351.48
	MW-95	1697265.32	169426.92	571.54	314.60	305.90	251.13	320.41
	MW-100	1700791.72	169610.46	620.32	319.06	309.06	297.77	322.55
	MW-106	1702536.99	173461.69	475.47	280.04	270.04	190.25	285.22
	MW-113	1698238.80	168478.70	531.09	334.79	325.09	188.80	342.29
	MW-114	1698892.70	167919.80	490.45	353.65	344.05	141.29	349.16
	MW-115	1698960.70	167225.80	484.87	352.87	343.27	132.96	351.91
Wells with water levels <u>greater than 10 ft</u> above the top of screen	MW-21	1697901.86	173876.38	420.66	263.22	255.22	124.88	295.78
	MW-22	1701844.34	173088.17	517.09	236.02	231.22	231.92	285.17
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	145.54	330.45
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	263.18	283.88
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	273.73	306.70
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	128.70	351.63
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	105.59	351.05
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	147.67	331.60
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	124.45	332.68
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	209.69	336.14
	MW-75	1701059.70	173432.42	532.40	271.10	261.00	245.27	287.13
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	238.57	291.84
	MW-89	1701799.57	174319.44	512.82	229.20	219.90	231.84	280.98
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	221.31	280.91
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	246.50	285.52
	MW-99	1702556.06	172098.73	493.64	221.77	212.77	200.02	293.62
	WS-NPW-1	1701906.96	171138.99	646.33	282.80	267.90	332.14	314.19
	WS-NPW-3	1701922.88	170663.28	645.81	285.00	273.90	330.46	315.35
Other	MW-69 <sup>4</sup>	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 mid-year 2021.
- NM Not measured due to damaged well. Cannot access water level.  
NA Not Applicable

**Table A-2: Groundwater Parameters – First Quarter 2021**

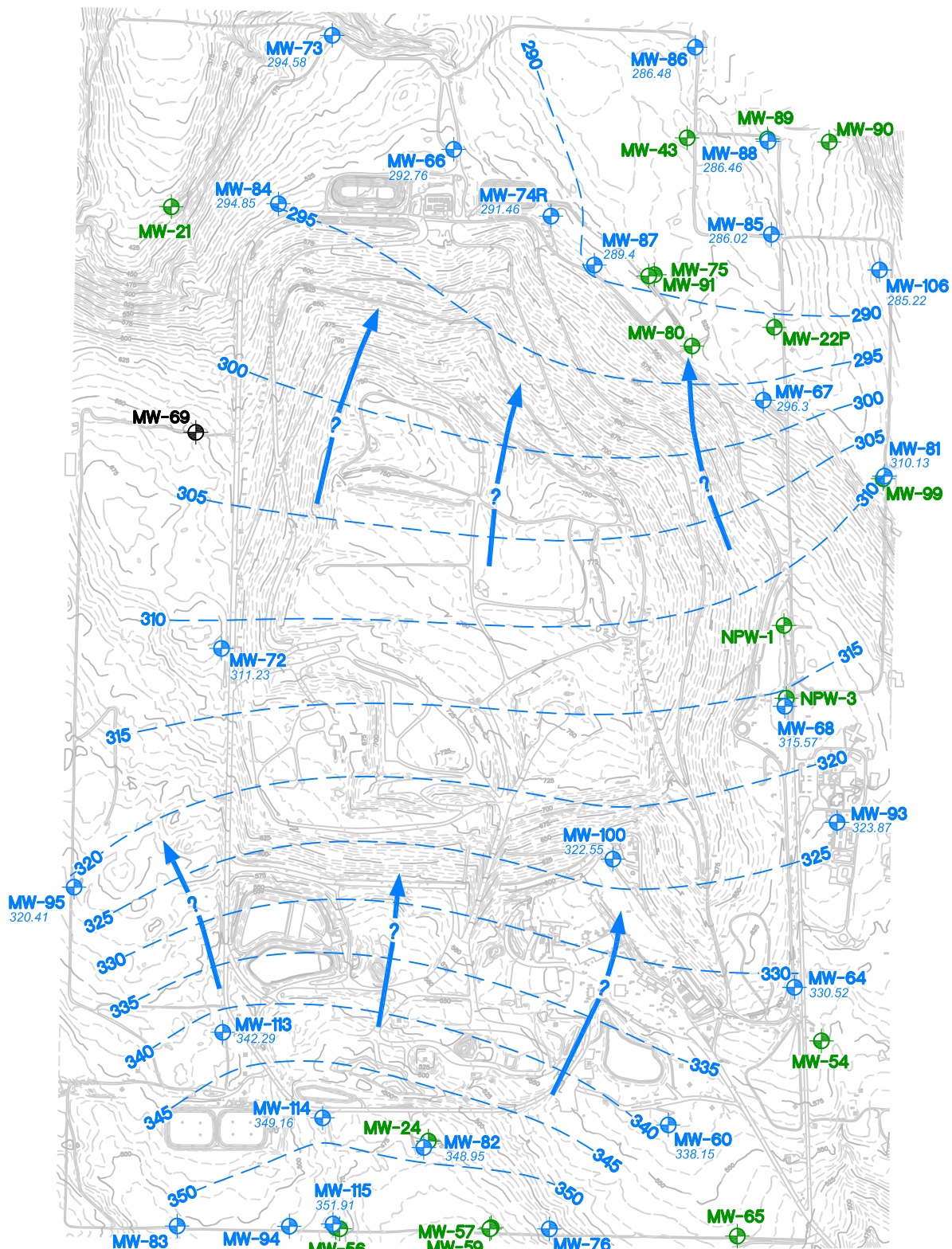
Cedar Hills Regional Landfill

King County, Washington

Regional Aquifer Zone Beneath the Landfill	Horizontal Hydraulic Conductivity <sup>1,3</sup> (K)			Horizontal Hydraulic Gradient <sup>2</sup> (DH/DL)	Effective Porosity <sup>1</sup> (n <sub>eff</sub> )	Horizontal Groundwater Velocity (v)	General Groundwater Flow Direction
	Range	(cm/s)	(ft/d)	(ft/ft)		(ft/d)	
Northern	Minimum	2.10E-03	6	0.007	24%	0.19	NNE, NE
	Maximum	4.20E-02	120			3.71	
	Mean	2.10E-02	60			1.85	
Central	Minimum	2.10E-03	6	0.008	24%	0.21	N, NNW
	Maximum	4.20E-02	120			4.15	
	Mean	2.10E-02	60			2.08	
Southern	Minimum	6.40E-06	0.018	0.011	26%	0.001	NW, N, NNE
	Maximum	6.40E-04	1.8			0.075	
	Mean	6.40E-05	0.18			0.008	

**Notes:**

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



## Legend

- MW-X** Well completed in Regional Aquifer with water levels within the screen or within 10 feet of the top of screen.
- MW-X** Wells completed in Regional Aquifer with water levels more than 10 feet above the top of screen.
- MW-X** Wells completed in Regional Aquifer - Data not used or no measurement this quarter.

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

Inferred Horizontal Groundwater Flow Path

0 1000 2000 Feet  
Contour Interval 5 Feet

## Notes:

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



## Groundwater Potentiometric Surface Map First Quarter 2021 - Regional Aquifer

Cedar Hills Regional Landfill  
King County, Washington

DATE: April 2021  
DESIGNED BY: SB  
DRAWN BY: KK  
REVISED BY: SB

PROJECT NO.

1126980

FIGURE NO.

**A-1**

# **APPENDIX B**

## **Field and Analytical Test Results**

## Groundwater Field and Analytical Data

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## Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021

Cedar Hills Landfill --- Groundwater Field Parameters

Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-100	1/4/2021	620.32	297.77	322.55	
MW-101	1/4/2021	474.72	29.54	445.18	
MW-101	1/25/2021	474.72	30.31	444.41	
MW-102	1/4/2021	552.48	41.64	510.84	
MW-102	1/21/2021	552.48	43.21	509.27	DTW without pump
MW-103	1/4/2021	639.08	11.13	627.95	
MW-103	1/12/2021	639.08	11.18	627.9	
MW-104	1/4/2021	629.68	26.41	603.27	
MW-104	1/4/2021	629.68	25.77	603.91	Measured WL on 1/15/2021 @ 0745; WL @ 32.00 (bottom of screen) well did not recover. Water level below top of pump. Lowered pump to 31.50 ft.
MW-105	1/4/2021	521.23	18.94	502.29	
MW-106	1/4/2021	475.47	190.25	285.22	
MW-107	1/4/2021	589.029	24.23	564.799	Needs hinged lid
MW-107	1/21/2021	589.03	25.99	563.04	
MW-108	1/4/2021	612.258	13.28	598.978	Needs hinged lid
MW-108	1/21/2021	612.26	14	598.26	
MW-109	1/4/2021	638.728	14.98	623.748	Needs hinged lid
MW-109	1/20/2021	638.73	6.52	632.21	
MW-110	1/4/2021	641.742	3.82	637.922	
MW-110	1/20/2021	641.74	4.34	637.4	
MW-111	1/4/2021	643.797	7	636.797	
MW-112	1/4/2021	638.929	12.92	626.009	
MW-112	1/15/2021	638.93	13.13	625.80	
MW-113	1/4/2021	531.09	188.8	342.29	
MW-113	1/11/2021	531.09	169.14	361.95	
MW-114	1/4/2021	490.45	141.29	349.16	
MW-114	1/11/2021	490.45	141.6	348.85	
MW-115	1/4/2021	484.87	132.96	351.91	
MW-115	1/11/2021	484.87	132.79	352.08	
MW-21	1/4/2021	420.66	124.88	295.78	
MW-22	1/4/2021	517.09	231.92	285.17	
MW-24	1/4/2021	475.99	145.54	330.45	
MW-25	1/4/2021	474.41	2.78	471.63	nearby ponding, water in annulus
MW-27A	1/4/2021	584.23	54.35	529.88	water in annulus
MW-28	1/4/2021	527.75	19.12	508.63	
MW-29	1/4/2021	532.92	7.95	524.97	Needs hinged lid + casing extension
MW-30A	1/4/2021	568.43	27.79	540.64	Needs hinged lid. Water in annulus
MW-30A	1/20/2021	568.43	27.75	540.68	
MW-41D	1/4/2021	462.32	24.65	437.67	
MW-41S	1/4/2021	462.44	3.17	459.27	Ponding near casing
MW-43	1/4/2021	547.06	263.18	283.88	
MW-45	1/4/2021	488.4	13.18	475.22	
MW-47	1/4/2021	634.6	21.59	613.01	casing needs extension and hinged lid
MW-47	1/20/2021	568.43	27.75	634.6	

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021

Cedar Hills Landfill --- Groundwater Field Parameters

Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-48	1/4/2021	594.49	41.95	552.54	
MW-50	1/4/2021	637.02	29.73	607.29	

## Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021

Cedar Hills Landfill --- Groundwater Field Parameters

Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-50	1/12/2021	637.05	29.6	607.45	
MW-54	1/4/2021	580.43	273.73	306.70	refuse present
MW-55	1/4/2021	652.29	28.56	623.73	Needs hinged lid
MW-56	1/4/2021	480.33	128.7	351.63	water in annulus
MW-57	1/4/2021	456.64	105.59	351.05	to PVS pipe - 104.09 to casing
MW-58A	1/4/2021	479.27	147.67	331.6	water in annulus
MW-59	1/4/2021	457.13	124.45	332.68	water in annulus
MW-59	1/11/2021	457.13	124.4	332.73	
MW-60	1/4/2021	567.15	229	338.15	
MW-62	1/4/2021	556.21	48.37	507.84	Needs hinged lid
MW-62	1/25/2021	556.21	49.41	506.8	
MW-63	1/4/2021	515.88	4.18	511.70	
MW-64	1/4/2021	596.55	266.03	330.52	
MW-65	1/4/2021	545.83	209.69	336.14	
MW-66	1/4/2021	531.28	238.52	292.76	
MW-66	1/5/2021	531.28	239.29	291.99	
MW-67	1/4/2021	516.43	220.13	296.3	
MW-68	1/4/2021	647.07	331.5	315.57	
MW-68	1/11/2021	647.07	332.12	314.95	
MW-69	1/4/2021	653.69			needs to be fixed
MW-72	1/4/2021	671.87	360.64	311.23	Lid hinge needs repair
MW-72	1/5/2021	671.87	361.22	310.65	
MW-73	1/4/2021	485.7	191.12	294.58	Dead trees N of well
MW-74R	1/4/2021	531.26	239.8	291.46	
MW-74R	1/6/2021	531.26	240.49	290.77	
MW-75	1/4/2021	532.4	245.27	287.13	
MW-75	1/6/2021	532.4	245.86	286.54	
MW-76	1/4/2021	491.71	137.68	354.03	
MW-79	1/4/2021	459.17			NEEDS TO BE FIXED
MW-80	1/4/2021	530.41	238.57	291.84	
MW-80	1/11/2021	530.41	239.18	291.23	
MW-81	1/4/2021	493.66	183.53	310.13	
MW-81	1/5/2021	493.66	184.26	309.4	
MW-82	1/4/2021	474.85	125.9	348.95	
MW-83	1/4/2021	496.81	145.64	351.17	
MW-83	1/7/2021	496.81	146.28	350.53	
MW-84	1/4/2021	530.8	235.95	294.85	
MW-84	2/1/2021	530.8	236.04	294.76	
MW-85	1/4/2021	531.76	245.74	286.02	
MW-85	1/6/2021	531.76	246.23	285.53	
MW-86	1/4/2021	536.04	249.56	286.48	
MW-87	1/4/2021	537.31	247.91	289.4	Lid does not sit flat
MW-88	1/4/2021	513.68	227.22	286.46	
MW-89	1/4/2021	512.82	231.84	280.98	
MW-90	1/4/2021	502.22	221.31	280.91	

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --- Groundwater Field Parameters  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	pH (Field) (std. Units)	Conductance (Field) (umhos/cm)	Temperature (Field) (° C)	Purge Volume (Field) (gal)	Dissolved Oxygen (Field) (mg/L)	ORP (Field) mV	Turbidity (Field) NTU
MW-101	W101210125-	44221.34167	6.83	378.4	8.2				5.47
MW-102	W102210121-	1/21/2021	6.48	190.7	9.52	1	9.56	390.1	8.67
MW-103	W103210112-	1/12/2021	7.97	234	10.49	2	4.07	371.3	10.6
MW-107	W107210121-	1/21/2021	5.51	173.1	11.37	1	0.68	91	1.75
MW-108	W108210121-	1/21/2021	6.65	355.9	11.199	1	8.41	375.1	2.74
MW-109	W109210120-	1/20/2021	7.17	2785	10.16	0.75	1.34	-116	7.55
MW-110	W110210120-	1/20/2021	6.54	655.9	11.17	2	1.02	311.9	49.9
MW-111	W111210115-	1/15/2021	5.5	94.5	10.33	1.75	7.86	468.7	0.97
MW-112	W112210115-	1/15/2021	7.16	753.7	11.31	1.25	1.56	422.4	1.36
MW-113	W113210111-	1/11/2021	7.26	365.2	10.2	4	0.62	-90.5	6.12
MW-114	W114210111-	1/11/2021	6.64	259.7	9.5	2	5.49	165.2	3.94
MW-115	W115210111-	1/11/2021	6.41	255	9.55	2.25	4.29	164.4	0.52
MW-30A	W30A210120-	1/20/2021	6.24	200.3	10.65	0.75	9.3	287.6	0.95
MW-47	W47-210120-	1/20/2021	6.65	841.6	11.484	13.59			1
MW-50	W50-210112-	1/12/2021	7.26	313.8	10.963				18.8
MW-59	W59-210111-	1/11/2021	6.64	210.7	9.7	4	0.64	-57.3	1.23
MW-62	W62-210125-	1/25/2021	6.07	139.8	9.2				0.9
MW-66	W66-210105-	1/5/2021	6.67	183.8	9.96	2.5	5.69	360.9	0.46
MW-68	W68-210111-	1/11/2021	6.79	244.1	10.18	4.25	0.9	155.5	9.36
MW-72	W72-210105-	1/5/2021	6.89	324.5	10.25	5.5	0.9	-41.6	15
MW-74R	W74R210106-	1/6/2021	6.83	446.1	10.01	3.25	6.01	359.2	6.3
MW-75	W75-210106-	1/6/2021	6.96	340.7	9.679	4	0.89	31	0.95
MW-80	W80-210111-	1/11/2021	7.06	271.6	9.836	4.5	1.32	100.5	0.68
MW-81	W81-210105-	1/5/2021	6.76	147.9	9.664	2	5.76	356.2	0.31
MW-83	W83-210107-	1/7/2021	6.55	601	10.66	4.2	1.05	183.7	0.87
MW-84	W84-210201-	2/1/2021	6.8	191.8	9.25	5.5	1.3	189.4	1.05
MW-85	W85-210106-	1/6/2021	6.76	355.7	9.39	3.6	3.45	240.9	0.22
MW-87	W87-210115-	1/15/2021	6.65	505	10.66				2.79

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021

Cedar Hills Landfill --- Groundwater Field Parameters

Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	pH	Conductance	Temperature	Purge Volume	Dissolved Oxygen	ORP	Turbidity
			(Field) (std. Units)	(Field) (umhos/cm)	(Field) (° C)	(Field) (gal)	(Field) (mg/L)	(Field) mV	(Field) NTU
MW-93	W93-210106-	1/6/2021	7.04	302.8	11.08	3.75	1.09	213.4	0.33
MW-94	W94-210107-	1/7/2021	6.3	327.4	9.06	1.75	2.85	128.8	0.62

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	Alkalinity, Total (CaCO <sub>3</sub> ) (mg/L)	Ammonia, (NH <sub>3</sub> ) (mg/L)	Chloride (mg/L)	Nitrate- Nitrogen, (NO <sub>3</sub> as N) (mg/L)	Specific Conductance (umhos/cm)	Sulfate (SO <sub>4</sub> ) (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Solids (mg/L)	Suspended Solids (mg/L)
MW-101	W101210125-	1/25/2021	232	0.0057 T	2.35	0.03 T	442	3.13	269	4.38	287	6.6
MW-102	W102210121-	1/21/2021	89.6	0.0029 T	3.77	1.3	223	9.69	150	1.14	164	6.3
MW-103	W103210112-	1/12/2021	118	0.0021 T	5.19	0.04 T	268	10.1	171	0.5 U	170	1
MW-107	W107210121-	1/21/2021	80.1	0.811	1.29	0.01 U	185	5.64	115	4.78	121	4.62
MW-108	W108210121-	1/21/2021	130	0.002 U	1.76	0.777	403	64.5	266	0.64 T	282	1.3
MW-109	W109210120-	1/20/2021	1860	0.29	2.11	0.05 U	2990	0.13 T	2020	49.9 S	2080	1.73
MW-110	W110210120-	1/20/2021	406	0.0515	1.92	0.016 T	762	7.24	463	2.26	532	56.1
MW-111	W111210115-	1/15/2021	27.6	0.002 U	0.729	0.251	110	17.3	94	0.84 T	89.3	0.5 U
MW-112	W112210115-	1/15/2021	141	0.0079 T	5.89	0.17	369	37.1	241	0.94 T	240	0.57 U
MW-113	W113210111-	1/11/2021	142	0.0123	32.1	0.01 U	403	10.6	227	2.16	238	1.4 T
MW-114	W114210111-	1/11/2021	100	0.002 U	18	1.81	290	6.89	176	0.81 T	189	6.6
MW-115	W115210111-	1/11/2021	93.9	0.002 U	18.4	1.64	282	9.02	169	1.13	172	0.5 U
MW-30A	W30A210120-	1/20/2021	72.3	0.002 U	0.989	7.09	224	6.86	159	0.68 T	165	0.9 T
MW-47	W47-210120-	1/20/2021	521	0.0521	5.74	0.016 T	967	7.69	581	3.88	591	6.67
MW-50	W50-210112-	1/12/2021	164	0.0021 T	1.9	0.12	338	10.5	201	1.3	217	14.3
MW-59	W59-210111-	1/11/2021	74.6	0.0057 T	12.3	0.01 U	223	15.5	133	0.5 U	138	1.4
MW-62	W62-210125-	1/25/2021	61.3	0.002 U	4.52	2.1	177	10.3	113	0.73 T	112	0.5 U
MW-66	W66-210105-	1/5/2021	80.6	0.002 U	4.19	0.352	214	13.6	131	0.5 U	125	0.5 U
MW-68	W68-210111-	1/11/2021	124	0.0163	3.06	0.01 U	281	15.3	185	0.5 U	173	3.37
MW-72	W72-210105-	1/5/2021	124	0.0145	7.22	0.01 U	351	35.7	214	0.67 T	216	8.3
MW-74R	W74R210106-	1/6/2021	198	0.002 U	21.7	0.323	519	32.4	301	0.55 T	306	0.9 T
MW-75	W75-210106-	1/6/2021	109	0.0081 T	11.5	0.01 U	392	62.4	248	0.64 T	252	1 T
MW-80	W80-210111-	1/11/2021	123	0.0091 T	4.44	0.01 U	313	28.9	191	0.5 U	196	2.2
MW-81	W81-210105-	1/5/2021	55	0.002 U	5.13	1.29	171	10.8	109	0.5 U	105	0.5 U
MW-83	W83-210107-	1/7/2021	216	0.0025 T	63.9	2.03	658	12	405	5.78	388	0.6 T
MW-84	W84-210201-	2/1/2021	83.6	0.002 U	5.09	0.187	218	16.3	141	0.5 U	127	0.8 T
MW-85	W85-210106-	1/6/2021	144	0.002 U	10.5	0.0918	392	33.3	275	0.5 U	226	0.5 U
MW-87	W87-210115-	1/15/2021	118	0.0335	15.6	0.01 U	546	131	370	0.5 U	389	5.2
MW-93	W93-210106-	1/6/2021	118	0.0493	2.75	0.014 T	335	41.4	209	0.5 U	208	0.5 U
MW-94	W94-210107-	1/7/2021	126	0.002 U	25.2	0.189	353	7.12	213	3.18	215	0.5 U

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Sample ID	Antimony, dissolved  (mg/L)	Antimony, total  (mg/L)	Arsenic, dissolved  (mg/L)	Arsenic, total  (mg/L)	Barium, dissolved  (mg/L)	Barium, total  (mg/L)	Beryllium, dissolved  (mg/L)	Beryllium, total  (mg/L)	Cadmium, dissolved  (mg/L)	Cadmium, total  (mg/L)	Calcium, dissolved  (mg/L)	Calcium, total  (mg/L)
MW-101	1/25/2021	W101210125-	0.0003 U	0.0003 U	0.0122	0.0113	0.0186	0.0193	0.0001 U	0.0001 U	5E-05 U	5E-05 U	51.3	48.9
MW-102	1/21/2021	W102210121-	0.0003 U	0.0003 U	0.000211	0.000233	0.00386	0.00459	0.0001 U	0.0001 U	5E-05 U	5E-05 U	21.4	21.1
MW-103	1/12/2021	W103210112-	0.0003 U	0.000356	0.00713	0.00679	0.0101	0.0109	0.0001 U	0.0001 U	5E-05 U	5E-05 U	25.1	25.5
MW-107	1/21/2021	W107210121-	0.0003 U	0.0003 U	0.00591	0.00591	0.00963	0.00962	0.0001 U	0.0001 U	5E-05 U	5E-05 U	18.3	18.1
MW-108	1/21/2021	W108210121-	0.000316	0.000313	0.00151	0.0015	0.0107	0.0104	0.0001 U	0.0001 U	5E-05 U	5E-05 U	25.3	24.4
MW-109	1/20/2021	W109210120-	0.0003 U	0.0003 U	0.0301	0.0318	0.0411	0.0484	0.000222	2.75E-04	5E-05 U	5E-05 U	23.9	23.6
MW-110	1/20/2021	W110210120-	0.0003 U	0.0003 U	0.00122	0.00288	0.0241	0.0316	0.0001 U	0.0001 U	0.0000876	0.000106	65.6	67.1
MW-111	1/15/2021	W111210115-	0.0003 U	0.0003 U	0.000562	0.000575	0.00557	0.00576	0.0001 U	0.0001 U	5E-05 U	5E-05 U	9.42	9.65
MW-112	1/15/2021	W112210115-	0.0003 U	0.0003 U	0.00316	0.00316	0.00953	0.0101	0.0001 U	0.0001 U	5E-05 U	5E-05 U	29.6	31.1
MW-113	1/11/2021	W113210111-	0.0003 U	0.0003 U	0.00057	0.000554	0.00216	0.00196	0.0001 U	0.0001 U	5E-05 U	5E-05 U	38.7	38.4
MW-114	1/11/2021	W114210111-	0.0003 U	0.0003 U	0.000281	0.000328	0.0018	0.00237	0.0001 U	0.0001 U	5E-05 U	5E-05 U	27.3	27.7
MW-115	1/11/2021	W115210111-	0.0003 U	0.0003 U	0.000207	0.0002	0.00076	0.000782	0.0001 U	0.0001 U	5E-05 U	5E-05 U	27.8	28.2
MW-30A	1/20/2021	W30A210120-	0.0003 U	0.0003 U	0.000498	0.000506	0.00367	0.00373	0.0001 U	0.0001 U	5E-05 U	5E-05 U	16.9	17
MW-47	1/20/2021	W47-210120-	0.0003 U	0.0003 U	0.00248	0.00264	0.0324	0.0333	0.0001 U	0.0001 U	5E-05 U	5E-05 U	112	113
MW-50	1/12/2021	W50-210112-	1/0/1900	0.000432	0.00452	0.00464	0.0109	0.0138	0.0001 U	0.0001 U	5E-05 U	5E-05 U	31.8	30.9
MW-59	1/11/2021	W59-210111-	0.0003 U	0.0003 U	0.000431	0.000432	0.00429	0.00419	0.0001 U	0.0001 U	5E-05 U	5E-05 U	18	18.5
MW-62	1/25/2021	W62-210125-	0.0003 U	0.0003 U	0.000187	0.000197	0.00223	0.00235	0.0001 U	0.0001 U	5E-05 U	5E-05 U	17.5	17.1
MW-66	1/5/2021	W66-210105-	0.0003 U	0.0003 U	0.00069	0.000715	0.00389	0.00402	0.0001 U	0.0001 U	5E-05 U	5E-05 U	15.9	16.6
MW-68	1/11/2021	W68-210111-	0.0003 U	0.0003 U	0.01	0.0359	0.0105	0.0105	0.0001 U	0.0001 U	5E-05 U	5E-05 U	26.5	26.4
MW-72	1/5/2021	W72-210105-	0.0003 U	0.0003 U	0.0000758	0.000129	0.0122	0.0151	0.0001 U	0.0001 U	5E-05 U	5E-05 U	33.2	38
MW-74R	1/6/2021	W74R210106-	0.0003 U	0.0003 U	0.000389	0.00108	0.0118	0.012	0.0001 U	0.0001 U	5E-05 U	5E-05 U	43.6	45.3
MW-75	1/6/2021	W75-210106-	0.0003 U	0.0003 U	4.27E-04	0.000447	0.0125	0.0132	0.0001 U	0.0001 U	5E-05 U	5E-05 U	32.4	33.4
MW-80	1/11/2021	W80-210111-	0.0003 U	0.0003 U	0.00299	0.00284	0.0136	0.0135	0.0001 U	0.0001 U	5E-05 U	5E-05 U	30.6	30.8
MW-81	1/5/2021	W81-210105-	0.0003 U	0.0003 U	0.000544	0.000552	0.00329	0.00336	0.0001 U	0.0001 U	5E-05 U	5E-05 U	14.3	15.1
MW-83	1/7/2021	W83-210107-	0.0003 U	0.0003 U	0.000375	0.000391	0.0114	0.0116	0.0001 U	0.0001 U	5E-05 U	5E-05 U	70.7	71.1
MW-84	2/1/2021	W84-210201-	0.0003 U	0.0003 U	0.000335	0.000341	0.00533	0.00564	0.0001 U	0.0001 U	5E-05 U	5E-05 U	17	16.8
MW-85	1/6/2021	W85-210106-	0.0003 U	0.0003 U	0.00074	0.000737	0.00734	0.00731	0.0001 U	0.0001 U	5E-05 U	5E-05 U	36.6	37.1
MW-87	1/15/2021	W87-210115-	0.0003 U	0.0003 U	0.000584	0.000938	0.028	0.0284	0.0001 U	0.0001 U	5E-05 U	5E-05 U	47.7	49.2
MW-93	1/6/2021	W93-210106-	0.0003 U	0.0003 U	0.00141	0.00153	0.00771	0.00851	0.0001 U	0.0001 U	5E-05 U	5E-05 U	31.9	34.6
MW-94	1/11/2021	W94-210107-	0.0003 U	0.0003 U	0.000119	0.000151	0.00244	0.00248	0.0001 U	0.0001 U	5E-05 U	5E-05 U	35.7	38.4

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Sample ID	Chromium, dissolved (mg/L)	Chromium total (mg/L)	Cobalt, dissolved (mg/L)	Cobalt, total (mg/L)	Copper, dissolved (mg/L)	Copper, total (mg/L)	Iron, dissolved (mg/L)	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)	Mercury, dissolved (mg/L)	Mercury, total (mg/L)	Manganese, dissolved (mg/L)
MW-101	1/25/2021	W101210125-	0.0002 U	0.000257	0.000211	0.00024	0.0002 U	0.000277	0.634	0.772	0.0001 U	0.0001 U	30.9	29.1	1.19
MW-102	1/21/2021	W102210121-	0.0002 U	0.000372	5E-05 U	0.0000861	0.000539	0.000656	0.01 U	0.117	0.0001 U	0.0001 U	7.87	7.85	0.00149
MW-103	1/12/2021	W103210112-	0.000349	0.000504	5E-05 U	5E-05 U	0.000544	0.00126	0.01 U	0.0637	0.0001 U	0.000216	11.5	11.8	0.00201
MW-107	1/21/2021	W107210121-	0.000654	0.000734	0.00289	0.00298	0.00112	0.00179	3.43	3.46	0.0001 U	0.0001 U	5.6	5.55	2.19
MW-108	1/21/2021	W108210121-	0.000549	0.000556	5E-05 U	5E-05 U	0.0002 U	0.000233	0.01 U	0.0179	0.0001 U	0.0001 U	10.4	10.3	0.000868
MW-109	1/20/2021	W109210120-	0.0406	0.0453	0.000438	0.000633	0.00518	0.0187	10.4	11.1	0.000316	0.0011	12	11.6	2.01
MW-110	1/20/2021	W110210120-	0.0002 U	0.00158	0.000714	1.54E-03	0.000931	0.00286	0.01 U	1.34	0.0001 U	0.000476	33.5	34.8	0.952
MW-111	1/15/2021	W111210115-	0.00172	0.00172	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	2.88	2.89	0.00305
MW-112	1/15/2021	W112210115-	0.000557	0.000552	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	14.6	14.9	0.0333
MW-113	1/11/2021	W113210111-	0.0002 U	0.0002 U	0.0000691	0.0000708	0.0002 U	0.0002 U	1.27	1.27 D	0.0001 U	0.0001 U	20.4	20.6	0.454
MW-114	1/11/2021	W114210111-	0.0002 U	0.000374	3.71E-04	3.67E-03	0.000384	0.00056	0.01 U	0.192 D	0.0001 U	0.0001 U	13.8	13.6	0.00126
MW-115	1/11/2021	W115210111-	0.0002 U	0.0002 U	0.000113	0.000127	0.000258	0.000255	0.01 U	0.0201 D	0.0001 U	0.0001 U	12.3	11.6	0.0122
MW-30A	1/20/2021	W30A210120-	0.000599	0.00062	5E-05 U	5E-05 U	0.000231	0.000357	0.01 U	0.0365	0.0001 U	0.0001 U	8.92	9.03	0.000152
MW-47	1/20/2021	W47-210120-	0.0002 U	0.0002 U	0.000364	0.000358	0.0002 U	0.0002 U	3.03	3.03	0.0001 U	0.0001 U	55.2	55.9	2
MW-50	1/12/2021	W50-210112-	0.000293	0.000978	5E-05 U	0.000344	0.00115	0.00217	0.01 U	0.395	0.0001 U	0.000261	13.8	14	0.00147
MW-59	1/11/2021	W59-210111-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	4.67	4.55 D	0.0001 U	0.0001 U	11.4	10.6	0.128
MW-62	1/25/2021	W62-210125-	0.0002 U	0.000221	0.0000526	0.000063	0.000245	0.000299	0.01 U	0.0353	0.0001 U	0.0001 U	4.69	4.65	0.000696
MW-66	1/5/2021	W66-210105-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.00466	0.01 U	0.0148	0.0001 U	0.0001 U	12.6	13	0.0001 U
MW-68	1/11/2021	W68-210111-	0.0002 U	0.0002 U	2.11E-04	2.12E-04	0.0002 U	0.000902	0.51	1.17 D	0.0001 U	0.0001 U	14.7	13.5	0.293
MW-72	1/5/2021	W72-210105-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	2.74	5.06	0.0001 U	0.0001 U	20.4	22.7	0.373
MW-74R	1/6/2021	W74R210106-	0.0002 U	0.000225	5E-05 U	5E-05 U	0.000449	0.000354	0.01 U	0.526	0.0001 U	0.0001 U	33.8	33.7	0.0001 U
MW-75	1/6/2021	W75-210106-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	2.56	2.67	0.0001 U	0.0001 U	24.2	24.7	0.23
MW-80	1/11/2021	W80-210111-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.000422	2.03	2.07 D	0.0001 U	0.0001 U	15.9	14.8	0.35
MW-81	1/5/2021	W81-210105-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	8	8.18	0.0001 U
MW-83	1/7/2021	W83-210107-	0.000311	0.00048	0.000273	0.000302	0.00352	0.00401	0.01 U	0.01 U	0.0001 U	0.0001 U	29.7	29.3	0.00558
MW-84	2/1/2021	W84-210201-	0.0002 U	0.0002 U	5E-05 U	0.0000592	0.000277	0.000435	0.01 U	0.0318	0.0001 U	0.0001 U	12.6	12.4	0.0025
MW-85	1/6/2021	W85-210106-	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.0001 U	0.0001 U	23.3	22.9	0.000116
MW-87	1/15/2021	W87-210115-	0.0002 U	0.0002 U	0.00018	0.000176	0.0002 U	0.0006	4.74	4.77	0.0001 U	0.0001 U	32.3	32.8	0.561
MW-93	1/6/2021	W93-210106-	0.0002 U	0.0002 U	0.0000576	0.000103	0.0002 U	0.00053	0.01 U	0.0285	0.0001 U	0.0001 U	17.2	18.2	0.15
MW-94	1/7/2021	W94-210107-	0.0002 U	0.0002 U	0.000125	0.000148	0.00114	0.00119	0.0292	0.0455	0.0001 U	0.0001 U	16.4	17.5	0.00295



Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Sample ID	Manganese, total (mg/L)	Mercury, dissolved (mg/L)	Mercury, total (mg/L)	Nickel, dissolved (mg/L)	Nickel, total (mg/L)	Potassium, dissolved (mg/L)	Potassium, total (mg/L)	Selenium, dissolved (mg/L)	Selenium, total (mg/L)	Silver, dissolved (mg/L)	Silver, total (mg/L)	Sodium, dissolved (mg/L)	Sodium, total (mg/L)
MW-101	1/25/2021	W101210125-	1.08	5E-05 U	5E-05 U	0.00306	0.00322	2.67	2.59	0.0005 U	0.0005 U	4E-05 U	4E-05 U	16.8	16.1
MW-102	1/21/2021	W102210121-	0.00298	5E-05 U	5E-05 U	0.000597	0.000676	1.28	1.29	0.0005 U	0.0005 U	4E-05 U	4E-05 U	12	11.8
MW-103	1/12/2021	W103210112-	0.0253	5E-05 U	5E-05 U	0.000181	0.000452	2.79	2.8	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11.7	12
MW-107	1/21/2021	W107210121-	2.16	5E-05 U	5E-05 U	0.00579	0.00607	2.46	2.42	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.5	6.4
MW-108	1/21/2021	W108210121-	0.000784	5E-05 U	5E-05 U	0.000411	0.000405	1.6	1.58	0.0005 U	0.0005 U	4E-05 U	4E-05 U	44.1	42.6
MW-109	1/20/2021	W109210120-	1.93	5E-05 U	5E-05 U	0.0041	0.00551	2.31	2.31	0.0005 U	0.000637	4E-05 U	4E-05 U	760 D	779 D
MW-110	1/20/2021	W110210120-	1.22	5E-05 U	5E-05 U	0.00462	0.00627	3.15	3.28	0.0005 U	0.0005 U	4E-05 U	4E-05 U	54.4	55.9
MW-111	1/15/2021	W111210115-	0.00307	5E-05 U	5E-05 U	0.00182	0.00191	0.334	0.338	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.33	7.43
MW-112	1/15/2021	W112210115-	0.0344	5E-05 U	5E-05 U	0.000184	0.000192	2.9	2.95	0.0005 U	0.0005 U	4E-05 U	4E-05 U	25.5	25.6
MW-113	1/11/2021	W113210111-	0.44	5E-05 U	5E-05 U	0.000303	0.000282	2.21	2.11	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.41	9.56
MW-114	1/11/2021	W114210111-	0.0341	5E-05 U	5E-05 U	0.000442	0.000696	2.29	2.14	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.71	6.87
MW-115	1/11/2021	W115210111-	0.0114	5E-05 U	5E-05 U	0.000508	0.000472	1.9	1.78	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.19	7.25
MW-30A	1/20/2021	W30A210120-	0.000713	5E-05 U	5E-05 U	0.000592	0.000641	1.32	1.33	0.0005 U	0.0005 U	4E-05 U	4E-05 U	13.2	13.4
MW-47	1/20/2021	W47-210120-	1.99	5E-05 U	5E-05 U	0.00173	0.00175	4.55	4.57	0.0005 U	0.0005 U	4E-05 U	4E-05 U	18.6	18.5
MW-50	1/12/2021	W50-210112-	0.0243	5E-05 U	5E-05 U	0.000408	0.00138	6.24	6.23	0.0005 U	0.0005 U	4E-05 U	4E-05 U	15.7	16.1
MW-59	1/11/2021	W59-210111-	0.117	5E-05 U	5E-05 U	0.0001 U	0.0001 U	1.16	1.12	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.45	6.75
MW-62	1/25/2021	W62-210125-	0.00116	5E-05 U	5E-05 U	0.000409	0.000469	0.895	0.903	0.0005 U	0.0005 U	4E-05 U	4E-05 U	12.5	12.1
MW-66	1/5/2021	W66-210105-	0.000413	5E-05 U	5E-05 U	0.000142	0.000321	1.11	1.14	0.000903	0.000974	4E-05 U	4E-05 U	7.22	7.72
MW-68	1/11/2021	W68-210111-	0.265	5E-05 U	5E-05 U	0.000414	0.00044	1.7	1.55	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.82	8.88
MW-72	1/5/2021	W72-210105-	0.432	5E-05 U	5E-05 U	0.000102	0.000171	2.05	2.24	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.68	9.65
MW-74R	1/6/2021	W74R210106-	0.00697	5E-05 U	5E-05 U	0.000878	0.00093	2.14	2.11	0.00062	0.000619	4E-05 U	4E-05 U	12.2	12.3
MW-75	1/6/2021	W75-210106-	0.231	5E-05 U	5E-05 U	0.0001 U	0.0001 U	2.04	2.06	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.44	9.7
MW-80	1/11/2021	W80-210111-	0.304	5E-05 U	5E-05 U	0.000107	0.00011	1.72	1.59	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.12	8.15
MW-81	1/5/2021	W81-210105-	0.0001 U	5E-05 U	5E-05 U	0.000114	0.000122	0.865	0.879	0.000865	0.000871	4E-05 U	4E-05 U	6.73	7.04
MW-83	1/7/2021	W83-210107-	0.209	5E-05 U	5E-05 U	0.00177	0.00258	3.93	3.92	0.0005 U	0.0005 U	4E-05 U	4E-05 U	15	15.2
MW-84	2/1/2021	W84-210201-	0.00546	5E-05 U	5E-05 U	0.000439	0.000582	1.2	1.21	0.000701	0.000729	4E-05 U	4E-05 U	7.44	7.25
MW-85	1/6/2021	W85-210106-	0.000249	5E-05 U	5E-05 U	0.00022	0.000219	1.78	1.76	0.000931	0.000893	4E-05 U	4E-05 U	10.3	10.4
MW-87	1/15/2021	W87-210115-	0.566	5E-05 U	5E-05 U	0.000324	0.000363	2.5	2.57	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11	11
MW-93	1/6/2021	W93-210106-	0.195	5E-05 U	5E-05 U	0.000191	0.00033	1.56	1.61	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.61	10.3
MW-94	1/11/2021	W94-210110-	0.00352	5E-05 U	5E-05 U	0.000601	0.000651	2.55	2.66	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.78	9.5

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Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Date	Sample ID	Thallium, dissolved (mg/L)	Thallium, total (mg/L)	Vanadium, dissolved (mg/L)	Vanadium, total (mg/L)	Zinc, dissolved (mg/L)	Zinc, total (mg/L)
MW-101	1/25/2021	W101210125-	0.0001 U	0.0001 U	0.000278	0.0004	0.000593	0.000825
MW-102	1/21/2021	W102210121-	0.0001 U	0.0001 U	0.000987	0.00118	0.00115	0.00141
MW-103	1/12/2021	W103210112-	0.0001 U	0.0001 U	0.00223	0.00242	0.00233	0.00519
MW-107	1/21/2021	W107210121-	0.0001 U	0.0001 U	0.0011	0.0012	0.00296	0.0032
MW-108	1/21/2021	W108210121-	0.0001 U	0.0001 U	0.00292	0.00288	0.0005 U	0.000735
MW-109	1/20/2021	W109210120-	0.0001 U	0.0001 U	0.119 D	0.143 D	0.000966	0.00169
MW-110	1/20/2021	W110210120-	0.0001 U	0.0001 U	0.00179	0.00411	0.000784	0.00334
MW-111	1/15/2021	W111210115-	0.0001 U	0.0001 U	0.00108	0.00108	0.0005 U	0.0005 U
MW-112	1/15/2021	W112210115-	0.0001 U	0.0001 U	0.000875	0.000731	0.0005 U	0.0005 U
MW-113	1/11/2021	W113210111-	0.0001 U	0.0001 U	0.000108	7.5E-05 U	0.0005 U	0.0005 U
MW-114	1/11/2021	W114210111-	0.0001 U	0.0001 U	0.000848	0.00113	0.000962	0.0012
MW-115	1/11/2021	W115210111-	0.0001 U	0.0001 U	0.000596	0.000497	0.0005 U	0.0005 U
MW-30A	1/20/2021	W30A210120-	0.0001 U	0.0001 U	0.00211	0.0021	0.000931	0.00108
MW-47	1/20/2021	W47-210120-	0.0001 U	0.0001 U	0.000194	0.000197	0.0005 U	0.000543
MW-50	1/12/2021	W50-210112-	0.0001 U	0.0001 U	0.00313	0.00401	0.00143	0.00325
MW-59	1/11/2021	W59-210111-	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.000615	0.000752
MW-62	1/25/2021	W62-210125-	0.0001 U	0.0001 U	0.000673	0.000694	0.00121	0.00138
MW-66	1/5/2021	W66-210105-	0.0001 U	0.0001 U	0.000774	0.000808	0.000595	0.00129
MW-68	1/11/2021	W68-210111-	0.0001 U	0.0001 U	0.000224	0.000698	0.0005 U	0.0005 U
MW-72	1/5/2021	W72-210105-	0.0001 U	0.0001 U	0.000128	0.0001	0.000647	0.000926
MW-74R	1/6/2021	W74R210106-	0.0001 U	0.0001 U	0.000677	0.00105	0.000634	0.000609
MW-75	1/6/2021	W75-210106-	0.0001 U	0.0001 U	0.000179	1.26E-04	0.0005 U	0.0005 U
MW-80	1/11/2021	W80-210111-	0.0001 U	0.0001 U	7.5E-05 U	7.5E-05 U	0.00175	0.00217
MW-81	1/5/2021	W81-210105-	0.0001 U	0.0001 U	0.00176	0.00177	0.000639	0.0005 U
MW-83	1/7/2021	W83-210107-	0.0001 U	0.0001 U	9.11E-04	9.95E-04	0.000703	0.00108
MW-84	2/1/2021	W84-210201-	0.0001 U	0.0001 U	0.000617	0.000648	0.017	0.0196
MW-85	1/6/2021	W85-210106-	0.0001 U	0.0001 U	0.00108	0.00107	0.0005 U	0.000549
MW-87	1/15/2021	W87-210115-	0.0001 U	0.0001 U	7.5E-05 U	0.000177	0.00116	0.00184
MW-93	1/6/2021	W93-210106-	0.0001 U	0.0001 U	0.00232	0.00247	0.00312	0.00595
MW-94	1/11/2021	W94-210107-	0.0001 U	0.0001 U	0.00115	0.00122	0.000728	0.0005 U

Environmental Monitoring Data

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 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
			ug/l 630-20-6	ug/l 71-55-6	ug/l 79-34-5	ug/l 79-00-5	ug/l 75-34-3	ug/l 75-35-4	ug/l 96-18-4	ug/l 96-12-8	ug/l 106-93-4	ug/l 95-50-1	ug/l 107-06-2	ug/l 78-87-5
MW-101	1/25/2021	W101210125-	0.25 U	0.1 U	0.1 U	0.1 U	0.117 JT	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-102	1/21/2021	W102210121-	0.25 U	0.1 U	0.1 U	0.1 U	0.199 JT	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-103	1/12/2021	W103210112-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-107	1/21/2021	W107210121-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-108	1/21/2021	W108210121-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-109	1/20/2021	W109210120-	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
MW-110	1/20/2021	W110210120-	0.25 U	0.1 U	0.1 U	0.1 U	0.332	0.1 U	0.1 U	2.5 U	0.1 U	0.669	0.26	0.245
MW-111	1/15/2021	W111210115-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-112	1/15/2021	W112210115-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-113	1/11/2021	W113210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-114	1/11/2021	W114210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-115	1/11/2021	W115210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-30A	1/20/2021	W30A210120-	0.25 U	0.1 U	0.1 U	0.1 U	1.41	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-47	1/20/2021	W47-210120-	0.25 U	0.1 U	0.1 U	0.1 U	0.659	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-50	1/12/2021	W50-210112-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-59	1/11/2021	W59-210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-62	1/25/2021	W62-210125-	0.25 U	0.1 U	0.1 U	0.1 U	0.4	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-66	1/5/2021	W66-210105-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-68	1/11/2021	W68-210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-72	1/5/2021	W72-210105-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-74R	1/6/2021	W74R210106-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-75	1/6/2021	W75-210106-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-80	1/11/2021	W80-210111-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-81	1/5/2021	W81-210105-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-83	1/7/2021	W83-210107-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5
MW-84	2/1/2021	W84-210201-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-85	1/6/2021	W85-210106-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-87	1/15/2021	W87-210115-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-93	1/6/2021	W93-210106-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-94	1/7/2021	W94-210107-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
Cedar Hills Landfill --Groundwater Conventional Analytical Data  
Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Acrylonitrile	Benzene	Bromochloromethane	Bromochloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			106-46-7	78-93-3	591-78-6	108-10-1	67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5
MW-101	1/25/2021	W101210125-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-102	1/21/2021	W102210121-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-103	1/12/2021	W103210112-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-107	1/21/2021	W107210121-	0.407	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-108	1/21/2021	W108210121-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-109	1/20/2021	W109210120-	1.08 JT	2.5 U	5 U	25 U	25 U	0.35 U	1.69 JT	1 U	2.5 U	5 U	1 U	1 U	2.5 U
MW-110	1/20/2021	W110210120-	0.14 JT	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.192 JT	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-111	1/15/2021	W111210115-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-112	1/15/2021	W112210115-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-113	1/11/2021	W113210111-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-114	1/11/2021	W114210111-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-115	1/11/2021	W115210111-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-30A	1/20/2021	W30A210120-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-47	1/20/2021	W47-210120-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-50	1/12/2021	W50-210112-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-59	1/11/2021	W59-210111-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-62	1/25/2021	W62-210125-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-66	1/5/2021	W66-210105-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-68	1/11/2021	W68-210111-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-72	1/5/2021	W72-210105-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-74R	1/6/2021	W74R210106-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-75	1/6/2021	W75-210106-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-80	1/11/2021	W80-210111-	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-81	1/5/2021	W81-210105-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-83	1/7/2021	W83-210107-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone	Acetone	Acrylonitrile	Benzene	Bromochloromethane	Bromochloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			106-46-7	78-93-3	591-78-6	108-10-1	67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5
MW-84	2/1/2021	W84-210201-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-85	1/6/2021	W85-210106-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-87	1/15/2021	W87-210115-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-93	1/6/2021	W93-210106-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U
MW-94	1/7/2021	W94-210107-	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U

Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
Cedar Hills Landfill --Groundwater Conventional Analytical Data  
Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide
			ug/l 108-90-7	ug/l 124-48-1	ug/l 75-00-3	ug/l 67-66-3	ug/l 74-87-3	ug/l 156-59-2	ug/l 10061-01-5	ug/l 74-95-3	ug/l 75-71-8	ug/l 100-41-4	ug/l MPX	ug/l 74-88-4
MW-101	1/25/2021	W101210125-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.148 JT	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-102	1/21/2021	W102210121-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.106 JT	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-103	1/12/2021	W103210112-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-107	1/21/2021	W107210121-	0.334	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-108	1/21/2021	W108210121-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-109	1/20/2021	W109210120-	1.38 JT	5 U	1 U	1 U	2.5 U	1 U	2.5 U	1 U	1 U	1 U	1 U	1 U
MW-110	1/20/2021	W110210120-	0.593	0.5 U	0.1 U	0.1 U	0.25 U	4.65	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-111	1/15/2021	W111210115-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.192 JT	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-112	1/15/2021	W112210115-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-113	1/11/2021	W113210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-114	1/11/2021	W114210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-115	1/11/2021	W115210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-30A	1/20/2021	W30A210120-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.53	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-47	1/20/2021	W47-210120-	0.1 U	0.5 U	0.141 JT	0.1 U	0.25 U	2.68	0.25 U	0.1 U	4.09	0.1 U	0.1 U	0.1 U
MW-50	1/12/2021	W50-210112-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-59	1/11/2021	W59-210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.43	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-62	1/25/2021	W62-210125-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.14	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-66	1/5/2021	W66-210105-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-68	1/11/2021	W68-210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-72	1/5/2021	W72-210105-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-74R	1/6/2021	W74R210106-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-75	1/6/2021	W75-210106-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-80	1/11/2021	W80-210111-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-81	1/5/2021	W81-210105-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-83	1/7/2021	W83-210107-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

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 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide
			ug/l 108-90-7	ug/l 124-48-1	ug/l 75-00-3	ug/l 67-66-3	ug/l 74-87-3	ug/l 156-59-2	ug/l 10061-01-5	ug/l 74-95-3	ug/l 75-71-8	ug/l 100-41-4	ug/l MPX	ug/l 74-88-4
MW-84	2/1/2021	W84-210201-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-85	1/6/2021	W85-210106-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-87	1/15/2021	W87-210115-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-93	1/6/2021	W93-210106-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MW-94	1/7/2021	W94-210107-	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U



Environmental Monitoring Data

Data Collected from January 01, 2021 to March 31, 2021  
 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
 Contact Person: Natalya V. Usova (206) 263-0608

Site	Sample ID	Date	Methylene Chloride	O- Xylene	Styrene	Tetrachlor oethene	Toluene	Trans-1,2- Dichloroethene	Trans-1,3- Dichloropropene	Trans-1,4- Dichloro-2- Butene	Trichlor oethene	Trichlorofluor omethane	Vinyl Acetate	Vinyl Chloride
			ug/l 75-09-2	ug/l 95-47-6	ug/l 100-42-5	ug/l 127-18-4	ug/l 108-88-3	ug/l 156-60-5	ug/l 10061-02-6	ug/l 110-57-6	ug/l 79-01-6	ug/l 75-69-4	ug/l 108-05-4	ug/l 75-01-4
MW-101	1/25/2021	W101210125-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.334 D
MW-102	1/21/2021	W102210121-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-103	1/12/2021	W103210112-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-107	1/21/2021	W107210121-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.675 D
MW-108	1/21/2021	W108210121-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-109	1/20/2021	W109210120-	25 U	1 U	1 U	1 U	113	1 U	5 U	5 U	1 U	1 U	1 U	0.321 D
MW-110	1/20/2021	W110210120-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.0316 D
MW-111	1/15/2021	W111210115-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-112	1/15/2021	W112210115-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-113	1/11/2021	W113210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-114	1/11/2021	W114210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	9.77	0.1 U	0.1 U	0.01 U
MW-115	1/11/2021	W115210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	5.18	0.1 U	0.1 U	0.01 U
MW-30A	1/20/2021	W30A210120-	2.5 U	0.1 U	0.1 U	0.116 JT	0.1 U	0.1 U	0.5 U	0.5 U	0.853	0.1 U	0.1 U	0.01 DU
MW-47	1/20/2021	W47-210120-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	4.86 D
MW-50	1/12/2021	W50-210112-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-59	1/11/2021	W59-210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-62	1/25/2021	W62-210125-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-66	1/5/2021	W66-210105-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-68	1/11/2021	W68-210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-72	1/5/2021	W72-210105-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-74R	1/6/2021	W74R210106-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-75	1/6/2021	W75-210106-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-80	1/11/2021	W80-210111-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-81	1/5/2021	W81-210105-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-83	1/7/2021	W83-210107-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	2.24	0.1 U	0.1 U	0.01 U

Environmental Monitoring Data

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 Cedar Hills Landfill --Groundwater Conventional Analytical Data  
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Site	Sample ID	Date	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW-84	2/1/2021	W84-210201-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 DU
MW-85	1/6/2021	W85-210106-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-87	1/15/2021	W87-210115-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-93	1/6/2021	W93-210106-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-94	1/7/2021	W94-210107-	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	2.7	0.1 U	0.1 U	0.01 U

## Storm and Surface Water Field and Analytical Data



Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021

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

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	1/4/2021	415.38	418.84		0.9	416.28	
SW-G1	SW-W1	2/17/2021	415.38	418.84		0.53	415.91	
SW-G1	SW-W1	3/8/2021	415.38	418.84		0.5	415.88	
SW-G2	SW-N1	1/4/2021	355.68	358.21		1.31	356.99	
SW-G2	SW-N1	2/17/2021	355.68	358.21		0.62	356.30	
SW-G2	SW-N1	3/8/2021	355.68	358.21		0.25	355.93	
SW-G3	SW -V	1/4/2021	466.46	469.88		0.3	466.76	
SW-G3	SW -V	2/17/2021	466.46	469.88		0.16	466.62	
SW-G3	SW -V	3/8/2021	466.46	469.88		0.14	466.60	
SW-G4	Upstream of SW-E1	1/4/2021	502.41	505.85		0.74	505.85	
SW-G4	Upstream of SW-E1	2/17/2021	502.41	505.85		0.46	502.87	
SW-G4	Upstream of SW-E1	3/8/2021	502.41	505.85		0.33	502.74	
SW-G5	SW-E1	1/4/2021	486.92	490.34		1.03	487.95	
SW-G5	SW-E1	2/17/2021	486.92	490.34		0.71	487.63	
SW-G5	SW-E1	3/8/2021	486.92	490.34		0.61	487.53	
SW-G6	Upstream of SW-GS1	1/4/2021	490.72	494.12		1.08	491.80	
SW-G6	Upstream of SW-GS1	2/17/2021	490.72	494.12	2.68		491.44	
SW-G6	Upstream of SW-GS1	3/8/2021	490.72	494.12	3.44		490.68	
SW-G7	SW-S2	1/4/2021	453.03	456.41		1.32	454.35	
SW-G7	SW-S2	2/17/2021	453.03	456.41		1.15	454.18	
SW-G7	SW-S2	3/8/2021	453.03	456.41		0.79	453.82	
SW-G8	Upstream of SW-S1	1/4/2021	510.61	515.56		1.47	512.08	
SW-G8	Upstream of SW-S1	2/17/2021	510.61	515.56		0.52	511.13	
SW-G8	Upstream of SW-S1	3/8/2021	510.61	515.56		0.3	510.91	
SW-G9	SW-S1	1/4/2021	490.93	494.35		1.51	492.44	
SW-G9	SW-S1	2/17/2021	490.93	494.35		0.85	491.78	
SW-G9	SW-S1	3/8/2021	490.93	494.35		0.67	491.60	

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Surface Water Field Parameters  
 Contact Person: Natalya Usova (206-263-0608)

Site	Sample ID	Date	pH	Spec. Conductance	Temperature	Turbidity	Dissolved Oxygen,
			(Field) (std. Units)	(Field) (umho/cm)	(Field) (°C)	(Field) (NTU)	(Field) (mg/L)
SW-E1	SE1-210113Q	1/13/2021	6.19	36	7.62	1.89	10.2
SW-GS1	SGS1210107P	1/7/2021	6.83		6.2		
SW-N4	SN4-210107P	1/7/2021	7.46		7.2		
SW-SL3	SSL3210107P	1/7/2021	7.31		6.2		
SW-TD1	STD1210315-	3/15/2021	7.87	389.9	3.95	8.31	13.15

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021

Cedar Hills Landfill ---Surface Water ISGP Analytes

Contact Person: Natalya Usova (206-263-0608)

Site	Sample ID	Date	Ammonia, (NH3)  (mg/L)	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Zinc, total  (mg/L)
SW-GS1	SGS1210107P	1/7/2021	0.121	2 U	1.4	0.00189
SW-N4	SN4-210107P	1/7/2021	0.0128	2 U	3.1	0.0427
SW-SL3	SSL3210107P	1/7/2021	0.127	2 U	6.8	0.0122

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Surface Water VOAs Analytes  
 Contact Person: Natalya Usova (206-263-0608)

Site	Sample ID	Date	3-,4-Methylpheno l mixture	Alpha- Terpineol	Benzoic Acid	Phenol
			15831-10-4 (ug/L)	98-55-5 (ug/L)	65-85-0 (ug/L)	108-95-2 (ug/L)
SW-GS1	SGS1210107P	1/7/2021	0.476 U	0.476 U	9.52 U	0.476 U
SW-N4	SN4-210107P	1/7/2021	0.472 U	0.472 U	9.43 U	0.472 U
SW-SL3	SSL3210107P	1/7/2021	0.472 U	0.472 U	9.43 U	0.472 U



Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			1,1,1,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE
			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Site	Sample ID	Date	N	N	N	N	N	N
SW-E1	SE1-210113Q	1/13/2021	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

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 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			1,2,3-TRICHLOROPROPANE	1,2-DIBROMO-3-CHLOROPROPANE	1,2-DIBROMOETHANE	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,2-DICHLOROPROPANE	1,4-DICHLOROBENZENE	2-BUTANONE
			96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Site	Sample ID	Date	N	N	N	N	N	N	N	N
SW-E1	SE1-210113Q	1/13/2021	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U

Environmental Monitoring Data

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 Cedar Hills Landfill —SW-E1 Analytical Data  
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			2-HEXANONE	4-METHYL-2-PENTANONE	ACETONE	ACRYLONITRILE	ALKALINITY, TOTAL (AS CaCO3)	AMMONIA AS N	ANTIMONY	ANTIMONY	ARSENIC	ARSENIC	BARIUM	BARIUM	BENZENE
			591-78-6	108-10-1	67-64-1	107-13-1	ALK	7664-41-7	7440-36-0	7440-36-0	7440-38-2	7440-38-2	7440-39-3	7440-39-3	71-43-2
			ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l
Site	Sample ID	Date	N	N	N	N	N	N	D	T	D	T	D	T	N
SW-E1	SE1-210113Q	1/13/2021	0.5 U	2.5 U	2.5 U	0.035 U	9.2	0.0026 T	0.0003 U	0.0003 U	0.000168	0.000176	0.00291	0.00334	0.1 U

Environmental Monitoring Data

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 Cedar Hills Landfill —SW-E1 Analytical Data  
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			BERYLLIUM	BERYLLIUM	BROMOCHLOROMETHANE	BROMODICHLOROMETHANE	BROMOFORM	BROMOMETHANE	CADMIUM	CADMIUM	CALCIUM	CALCIUM	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLORIDE
			7440-41-7	7440-41-7	74-97-5	75-27-4	75-25-2	74-83-9	7440-43-9	7440-43-9	7440-70-2	7440-70-2	75-15-0	56-23-5	16887-00-6
			mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	mg/l
Site	Sample ID	Date	D	T	N	N	N	N	D	T	D	T	N	N	N
SW-E1	SE1-210113Q	1/13/2021	0.0001 U	0.0001 U	0.1 U	0.25 U	0.5 U	0.1 U	5E-05 U	5E-05 U	4.04	4.13	0.1 U	0.25 U	1.55

Environmental Monitoring Data

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 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			CHLOROBENZENE	CHLORODIBROMOMETHANE	CHLOROETHANE	CHLOROFORM	CHLOROMETHANE	CHROMIUM	CHROMIUM	CIS-1,2-DICHLOROETHENE	CIS-1,3-DICHLOROPROPENE	COBALT	COBALT	COPPER	COPPER	DIBROMOMETHANE
			108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	7440-47-3	7440-47-3	156-59-2	10061-01-5	7440-48-4	7440-48-4	7440-50-8	7440-50-8	74-95-3
			ug/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l
			N	N	N	N	N	D	T	N	N	D	T	D	T	N
Site	Sample ID	Date														
SW-E1	SE1-210113Q	1/13/2021	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.0002 U	0.0002 U	0.1 U	0.25 U	5E-05 U	5E-05 U	0.000485	0.00054	0.1 U

Environmental Monitoring Data

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 Cedar Hills Landfill —SW-E1 Analytical Data  
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			DICHLORODIFLUOROMETHANE	ETHYLBENZENE	IRON	IRON	LEAD	LEAD	M & P XYLENE	MAGNESIUM	MAGNESIUM	MANGANESE	MANGANESE	MERCURY	MERCURY	METHYL IODIDE
			75-71-8	100-41-4	7439-89-6	7439-89-6	7439-92-1	7439-92-1	MPX	7439-95-4	7439-95-4	7439-96-5	7439-96-5	7439-97-6	7439-97-6	74-88-4
			ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l
Site	Sample ID	Date	N	N	D	T	D	T	N	D	T	D	T	D	T	N
SW-E1	SE1-210113Q	1/13/2021	0.1 U	0.1 U	0.0253	0.0463	0.0001 U	0.0001 U	0.1 U	0.919	0.922	0.00169	0.00303	5E-05 U	5E-05 U	0.1 U

Environmental Monitoring Data

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 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

				METHYLENE CHLORIDE	NICKEL	NICKEL	NITRATE	O-XYLENE	POTASSIUM	POTASSIUM	SELENIUM	SELENIUM	SILVER	SILVER	SODIUM	SODIUM	SPECIFIC CONDUCTANCE
				75-09-2	7440-02-0	7440-02-0	14797-55-8	95-47-6	7440-09-7	7440-09-7	7782-49-2	7782-49-2	7440-22-4	7440-22-4	7440-23-5	7440-23-5	COND
				ug/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	umhos/cm
Site	Sample ID	Date		N	D	T	N	N	D	T	D	T	D	T	D	T	N
SW-E1	SE1-210113Q	1/13/2021		2.5 U	0.00016	0.000188	1.21	0.1 U	0.541	0.546	0.0005 U	0.0005 U	4E-05 U	4E-05 U	2.17	2.18	43.8

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			STYRENE SULFATE	TETRACHLOROETHENE	THALLIUM	THALLIUM	TOLUENE	TOTAL DISSOLVED SOLIDS	TOTAL ORGANIC CARBON	TOTAL SOLIDS	TOTAL SUSPENDED SOLIDS	TRANS-1,2-DICHLOROETHENE	TRANS-1,3-DICHLOROPROPENE	TRANS-1,4-DICHLORO-2-BUTENE	TRICHLOROETHENE
			100-42-5	127-18-4	7440-28-0	7440-28-0	108-88-3	TDS	TOC	TS	TSS	156-60-5	10061-02-6	110-57-6	79-01-6
			ug/l	ug/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l
Site	Sample ID	Date	N	N	D	T	N	N	N	N	N	N	N	N	N
SW-E1	SE1-210113Q	1/13/2021	0.1 U	1.43	0.1 U	0.0001 U	0.0001 U	0.1 U	42.5	3.93	45	0.9 T	0.1 U	0.5 U	5 U



Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill —SW-E1 Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			TRICHLOROFLUOROMETHANE	VANADIUM	VANADIUM	VINYL ACETATE	VINYL CHLORIDE	ZINC	ZINC
			75-69-4	7440-62-2	7440-62-2	108-05-4	75-01-4	7440-66-6	7440-66-6
			ug/l	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l
Site	Sample ID	Date	N	D	T	N	N	D	T
SW-E1	SE1-210113Q	1/13/2021	0.1 U	0.000468	0.000512	0.1 U	0.01 DU	0.00186	0.00277

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill --- Area 5 Top Deck Surface Water Monitoring Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	DO	pH	Conductance	Temperature	Turbidity	Alkalinity, (Total)	Chemical Oxygen Demand	Chloride	Iron, (Dissolved)	Iron, (Total)	Sulfate	Total Organic Carbon
			(Field) mg/L	(Field) (std. Units)	(Field) (umho/cm)	(Field) (°C)	(Field) (NTU)	(CaCO3) (mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(SO4) (mg/L)	(mg/L)
SW-TD1	3/15/2021	STD1210315-	13.15	7.87	389.9	3.95	8.31	111	7.2 T	2.92	0.0119	0.544	107	3.12

# Washington Department of Ecology

## Electronic Submission Cover Letter



**WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1760740 - 2/11/2021 5:07:51 PM**

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

### Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Thursday February 11 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



f9Vg7obrMR80RWdOqyLvyy/7I2K09eEuYEPUhqW4dGbQbHQKZlydmGLkTuIpGrpix+ZFF  
+3Q/2Nmmu8MIx6IYhtQh2TnrH5lh2VQccORsM=



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: Queen City Farms Lake (QCFL)

Monitoring Period: 01/01/2021 - 01/31/2021

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	1/1/21	M	M
1-Sa	1/2/21	M	M
2-Su	1/3/21	M	M
2-M	1/4/21	M	M
2-T	1/5/21	M	M
2-W	1/6/21	M	M
2-Th	1/7/21	M	M
2-F	1/8/21	M	M
2-Sa	1/9/21	M	M
3-Su	1/10/21		M
3-M	1/11/21		M
3-T	1/12/21		M
3-W	1/13/21		M
3-Th	1/14/21		M
3-F	1/15/21	26.1	M
3-Sa	1/16/21		M
4-Su	1/17/21	M	M
4-M	1/18/21	M	M
4-T	1/19/21	M	M
4-W	1/20/21	M	M
4-Th	1/21/21	M	M
4-F	1/22/21	M	M
4-Sa	1/23/21	M	M
5-Su	1/24/21	M	M
5-M	1/25/21	5.62	M
5-T	1/26/21	M	M
5-W	1/27/21	M	M
5-Th	1/28/21	M	M
5-F	1/29/21	M	M
5-Sa	1/30/21		M
6-Su	1/31/21	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		26.1*	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

**Overall DMR Notes/Comment**

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

**Outfall: CHL - Queen City Farms Lake (QCFL)**

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
CHL	Turbidity (Nephelometric) Measured NTU Cedar Hills Regional landfill Environmental Monitoring Report 1st Quarter 2021	Maximum	26.1  B- 39	The SWPPP was reviewed following the turbidity measurement of 26.1; the SWPPP did not need to be updated. Maintenance was performed on the BMPs and turbidity measurements dropped to < 25 ntus.



## BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Other
	2	Check Dams
	2	Other
	3	Check Dams
	3	Other
	4	Check Dams
	4	Other
	5	Check Dams
	5	Other
	6	Check Dams
	6	Other



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: gravel pit lake

Monitoring Period: 01/01/2021 - 01/31/2021

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	1/1/21	M	M
1-Sa	1/2/21	M	M
2-Su	1/3/21	M	M
2-M	1/4/21	M	M
2-T	1/5/21	M	M
2-W	1/6/21	M	M
2-Th	1/7/21	M	M
2-F	1/8/21	M	M
2-Sa	1/9/21	M	M
3-Su	1/10/21		M
3-M	1/11/21		M
3-T	1/12/21		M
3-W	1/13/21		M
3-Th	1/14/21		M
3-F	1/15/21	36.9	M
3-Sa	1/16/21		M
4-Su	1/17/21	M	M
4-M	1/18/21	M	M
4-T	1/19/21	M	M
4-W	1/20/21	M	M
4-Th	1/21/21	M	M
4-F	1/22/21	M	M
4-Sa	1/23/21	M	M
5-Su	1/24/21	M	M
5-M	1/25/21	3.82	M
5-T	1/26/21	M	M
5-W	1/27/21	M	M
5-Th	1/28/21	M	M
5-F	1/29/21	M	M
5-Sa	1/30/21	M	M
6-Su	1/31/21	M	M
Minimum			
			BM: >= 6.5 (RO)
Maximum		36.9*	
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

**Overall DMR Notes/Comment**

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

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

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
C3	Turbidity (Nephelometric) Measured NTU Cedar Hills Regional landfill Environmental Monitoring Report 1st Quarter 2021	Maximum	36.9 B- 41	The SWPPP was reviewed following the turbidity measurement of 36.9; the SWPPP did not need to be updated. Maintenance was performed on the BMPs and turbidity measurements dropped to < 25 ntus.



## BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Gravel Filter Berm
	1	Other
	2	Check Dams
	2	Gravel Filter Berm
	2	Other
	3	Check Dams
	3	Gravel Filter Berm
	3	Other
	4	Check Dams
	4	Gravel Filter Berm
	4	Other
	5	Check Dams
	5	Gravel Filter Berm
	5	Other
	6	Check Dams
	6	Gravel Filter Berm
	6	Other



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: McDonald Creek

Monitoring Period: 01/01/2021 - 01/31/2021

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 Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-F	1/1/21	M	M	M	M
1-Sa	1/2/21	M	M	M	M
2-Su	1/3/21	M	M	M	M
2-M	1/4/21	M	M	M	M
2-T	1/5/21	M	M	M	M
2-W	1/6/21	M	M	M	M
2-Th	1/7/21	M	M	M	M
2-F	1/8/21	M	M	M	M
2-Sa	1/9/21	M	M	M	M
3-Su	1/10/21		M		M
3-M	1/11/21		M		M
3-T	1/12/21		M		M
3-W	1/13/21		M		M
3-Th	1/14/21		M		M
3-F	1/15/21	4.35	M	6.98	M
3-Sa	1/16/21		M		M
4-Su	1/17/21	M	M	M	M
4-M	1/18/21	M	M	M	M
4-T	1/19/21	M	M	M	M
4-W	1/20/21	M	M	M	M
4-Th	1/21/21	M	M	M	M
4-F	1/22/21	M	M	M	M
4-Sa	1/23/21	M	M	M	M
5-Su	1/24/21	M	M	M	M
5-M	1/25/21	M	M	M	M
5-T	1/26/21	M	M	M	M
5-W	1/27/21	M	M	M	M
5-Th	1/28/21	M	M	M	M
5-F	1/29/21	M	M	M	M
5-Sa	1/30/21	M	M	M	M
6-Su	1/31/21	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		4.36	M	6.98	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

**Overall DMR Notes/Comment**

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

**BMPs**

Monitoring Point	Week	BMP
	1	Check Dams
Cedar Hills Regional landfill	1	B- 43
Environmental Monitoring Report	1	
1st Quarter 2021		





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

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

Joan Kenton

Signature

2/11/2021 5:07:53 PM

Date

# Washington Department of Ecology

## Electronic Submission Cover Letter



**WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1764445 - 3/15/2021  
10:33:18 AM**

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

### Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Monday March 15 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



yy06TEw0jhJ+0g85Nx+awMxcEhKT2+EvU3KfyZcaSR5hrSxU86b  
+DFWveMhq849RR4HsIuhUJD7eABIRQ/43feweG5FG1yKAB1CMDq5ml0s=



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: Queen City Farms Lake (QCFL)

Monitoring Period: 02/01/2021 - 02/28/2021

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	2/1/21	M	M
1-T	2/2/21	M	M
1-W	2/3/21	M	M
1-Th	2/4/21	M	M
1-F	2/5/21	M	M
1-Sa	2/6/21	M	M
2-Su	2/7/21	M	M
2-M	2/8/21	M	M
2-T	2/9/21	M	M
2-W	2/10/21	M	M
2-Th	2/11/21	M	M
2-F	2/12/21	M	M
2-Sa	2/13/21	M	M
3-Su	2/14/21		M
3-M	2/15/21		M
3-T	2/16/21	24.2	M
3-W	2/17/21		M
3-Th	2/18/21		M
3-F	2/19/21		M
3-Sa	2/20/21		M
4-Su	2/21/21	M	M
4-M	2/22/21	M	M
4-T	2/23/21	M	M
4-W	2/24/21	M	M
4-Th	2/25/21	M	M
4-F	2/26/21	M	M
4-Sa	2/27/21	M	M
5-Su	2/28/21	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		24.2	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

**Overall DMR Notes/Comment**

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

**BMPs**

Monitoring Point	Week	BMP
	1	Check Dams
	1	Other
	2	Check Dams
	2	Other
	3	Check Dams
	3	Other
Cedar Hills Regional landfill		B- 46
Environmental Monitoring Report		

1st Quarter 2021



	4	Other
	5	Check Dams
	5	Other



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: gravel pit lake

Monitoring Period: 02/01/2021 - 02/28/2021

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	2/1/21	M	M
1-T	2/2/21	M	M
1-W	2/3/21	M	M
1-Th	2/4/21	M	M
1-F	2/5/21	M	M
1-Sa	2/6/21	M	M
2-Su	2/7/21	M	M
2-M	2/8/21	M	M
2-T	2/9/21	M	M
2-W	2/10/21	M	M
2-Th	2/11/21	M	M
2-F	2/12/21	M	M
2-Sa	2/13/21	M	M
3-Su	2/14/21		M
3-M	2/15/21		M
3-T	2/16/21	26.5	M
3-W	2/17/21	31.5	M
3-Th	2/18/21		M
3-F	2/19/21		M
3-Sa	2/20/21		M
4-Su	2/21/21	M	M
4-M	2/22/21	M	M
4-T	2/23/21	M	M
4-W	2/24/21	M	M
4-Th	2/25/21	M	M
4-F	2/26/21	3.48	M
4-Sa	2/27/21	M	M
5-Su	2/28/21	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		31.5*	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

**Overall DMR Notes/Comment**

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

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

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
C3	Turbidity (Nephelometric) Measured NTU	Maximum	31.5	The SWPPP was reviewed following the turbidity measurements of 26.5 and 31.5 ntu; the SWPPP did not need to be updated. Maintenance was performed on the BMPs and turbidity measurements dropped to <25 ntu.

BMPs



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



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: McDonald Creek

Monitoring Period: 02/01/2021 - 02/28/2021

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 Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-M	2/1/21	M	M	M	M
1-T	2/2/21	M	M	M	M
1-W	2/3/21	M	M	M	M
1-Th	2/4/21	M	M	M	M
1-F	2/5/21	M	M	M	M
1-Sa	2/6/21	M	M	M	M
2-Su	2/7/21	M	M	M	M
2-M	2/8/21	M	M	M	M
2-T	2/9/21	M	M	M	M
2-W	2/10/21	M	M	M	M
2-Th	2/11/21	M	M	M	M
2-F	2/12/21	M	M	M	M
2-Sa	2/13/21	M	M	M	M
3-Su	2/14/21		M		M
3-M	2/15/21		M		M
3-T	2/16/21	12.6	M	4.10	M
3-W	2/17/21		M		M
3-Th	2/18/21		M		M
3-F	2/19/21		M		M
3-Sa	2/20/21		M		M
4-Su	2/21/21	M	M	M	M
4-M	2/22/21	M	M	M	M
4-T	2/23/21	M	M	M	M
4-W	2/24/21	M	M	M	M
4-Th	2/25/21	M	M	M	M
4-F	2/26/21	M	M	M	M
4-Sa	2/27/21	M	M	M	M
5-Su	2/28/21	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		12.6	M	4.10	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

**Overall DMR Notes/Comment**

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

**BMPs**

Monitoring Point	Week	BMP
	1	Check Dams
	1	Other
	1	Silt Fence
	2	Check Dams
Cedar Hills Regional landfill		
Environmental Monitoring Report		
1st Quarter 2021		



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

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

Joan Kenton

Signature

3/15/2021 10:33:27 AM

Date



# Washington Department of Ecology

## Electronic Submission Cover Letter



**WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1768355 - 4/15/2021 2:29:32 PM**

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

### Attachments:

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



lq75DI5DRIs1FRawrIh683HvK2JVJbVBnO6jbxE1vZLxkfc/kv1KvjXeB1Py2ILZd71wh2F4abiPI0inJ0aLEHZNO7uFjoMrYtC0eI256eY=



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: Queen City Farms Lake (QCFL)

Monitoring Period: 03/01/2021 - 03/31/2021

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-M	3/1/21	M	M
1-T	3/2/21	M	M
1-W	3/3/21	M	M
1-Th	3/4/21	M	M
1-F	3/5/21	M	M
1-Sa	3/6/21	M	M
2-Su	3/7/21		M
2-M	3/8/21		M
2-T	3/9/21		M
2-W	3/10/21		M
2-Th	3/11/21	3.35	M
2-F	3/12/21		M
2-Sa	3/13/21		M
3-Su	3/14/21	M	M
3-M	3/15/21	M	M
3-T	3/16/21	M	M
3-W	3/17/21	M	M
3-Th	3/18/21	M	M
3-F	3/19/21	M	M
3-Sa	3/20/21	M	M
4-Su	3/21/21	M	M
4-M	3/22/21	M	M
4-T	3/23/21	M	M
4-W	3/24/21	M	M
4-Th	3/25/21	M	M
4-F	3/26/21	M	M
4-Sa	3/27/21	M	M
5-Su	3/28/21	M	M
5-M	3/29/21	M	M
5-T	3/30/21	M	M
5-W	3/31/21	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		3.35	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

**Overall DMR Notes/Comment**

Construction activities for 2020 ended November 20, 2020 and the site is currently inactive and temporarily stabilized. In accordance with Section S4.B.3. of the 2021-25 permit, while the site is inactive and temporarily stabilized the inspection frequency will be reduced to once a month. Construction activities are recommencing Spring 2021. King County Solid Waste Division (KCSWD) executed the construction contract for all remaining construction work with Goodfellow Brothers, Inc. in April 2021. Goodfellow are scheduled to begin mobilizing in April and construction work commencing in April - May 2021. KCSWD will be transferring the CSGP to Goodfellow Brothers in accordance with Section S2.A.2 of the permit. The completed Transfer of Coverage Form will be submitted to Ecology by KCSWD sometime the week of April 19-25, 2021. The transfer will comprise the entire site and will go into effect in April. This March 2021 DMR is the last DMR being submitted by KCSWD for this CSGP.

**BMPs**

Monitoring Point	Week	BMP
Cedar Hills Regional Landfill	1	B- 53
Check Dams		

1st Quarter 2021



	2	Check Dams
	3	Check Dams
	4	Check Dams
	5	Check Dams



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: gravel pit lake

Monitoring Period: 03/01/2021 - 03/31/2021

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-M	3/1/21	M	M
1-T	3/2/21	M	M
1-W	3/3/21	M	M
1-Th	3/4/21	M	M
1-F	3/5/21	M	M
1-Sa	3/6/21	M	M
2-Su	3/7/21		M
2-M	3/8/21		M
2-T	3/9/21		M
2-W	3/10/21		M
2-Th	3/11/21	6.65	M
2-F	3/12/21		M
2-Sa	3/13/21		M
3-Su	3/14/21	M	M
3-M	3/15/21	M	M
3-T	3/16/21	M	M
3-W	3/17/21	M	M
3-Th	3/18/21	M	M
3-F	3/19/21	M	M
3-Sa	3/20/21	M	M
4-Su	3/21/21	M	M
4-M	3/22/21	M	M
4-T	3/23/21	M	M
4-W	3/24/21	M	M
4-Th	3/25/21	M	M
4-F	3/26/21	M	M
4-Sa	3/27/21	M	M
5-Su	3/28/21	M	M
5-M	3/29/21	M	M
5-T	3/30/21	M	M
5-W	3/31/21	M	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum	6.65		M
	BM: <= 25 (RO)	BM: <= 8.5 (RO)	

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

**Overall DMR Notes/Comment**

Construction activities for 2020 ended November 20, 2020 and the site is currently inactive and temporarily stabilized. In accordance with Section S4.B.3. of the 2021-25 permit, while the site is inactive and temporarily stabilized the inspection frequency will be reduced to once a month. Construction activities are recommencing Spring 2021. King County Solid Waste Division (KCSWD) executed the construction contract for all remaining construction work with Goodfellow Brothers, Inc. in April 2021. Goodfellow are scheduled to begin mobilizing in April and construction work commencing in April - May 2021. KCSWD will be transferring the CSGP to Goodfellow Brothers in accordance with Section S2.A.2 of the permit. The completed Transfer of Coverage Form will be submitted to Ecology by KCSWD sometime the week of April 19-25, 2021. The transfer will comprise the entire site and will go into effect in April. This March 2021 DMR is the last DMR being submitted by KCSWD for this CSGP.

**BMPs**

Monitoring Point	Cedar Hills regional landfill	BMP	B-55
Environmental Monitoring Report			
1st Quarter 2021			



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



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: McDonald Creek

Monitoring Period: 03/01/2021 - 03/31/2021

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-M	3/1/21	M	M	M	M
1-T	3/2/21	M	M	M	M
1-W	3/3/21	M	M	M	M
1-Th	3/4/21	M	M	M	M
1-F	3/5/21	M	M	M	M
1-Sa	3/6/21	M	M	M	M
2-Su	3/7/21		M		M
2-M	3/8/21		M		M
2-T	3/9/21		M		M
2-W	3/10/21		M		M
2-Th	3/11/21	2.33	M	3.27	M
2-F	3/12/21		M		M
2-Sa	3/13/21		M		M
3-Su	3/14/21	M	M	M	M
3-M	3/15/21	M	M	M	M
3-T	3/16/21	M	M	M	M
3-W	3/17/21	M	M	M	M
3-Th	3/18/21	M	M	M	M
3-F	3/19/21	M	M	M	M
3-Sa	3/20/21	M	M	M	M
4-Su	3/21/21	M	M	M	M
4-M	3/22/21	M	M	M	M
4-T	3/23/21	M	M	M	M
4-W	3/24/21	M	M	M	M
4-Th	3/25/21	M	M	M	M
4-F	3/26/21	M	M	M	M
4-Sa	3/27/21	M	M	M	M
5-Su	3/28/21	M	M	M	M
5-M	3/29/21	M	M	M	M
5-T	3/30/21	M	M	M	M
5-W	3/31/21	M	M	M	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		2.33	M	3.27	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

**Overall DMR Notes/Comment**

Construction activities for 2020 ended November 20, 2020 and the site is currently inactive and temporarily stabilized. In accordance with Section S4.B.3. of the 2021-25 permit, while the site is inactive and temporarily stabilized the inspection frequency will be reduced to once a month. Construction activities are recommencing Spring 2021. King County Solid Waste Division (KCSWD) executed the construction contract for all remaining construction work with Goodfellow Brothers, Inc. in April 2021. Goodfellow are scheduled to begin mobilizing in April and construction work commencing in April - May 2021. KCSWD will be transferring the CSGP to Goodfellow Brothers in accordance with Section S2.A.2 of the permit. The completed Transfer of Coverage Form will be submitted to Ecology by KCSWD sometime the week of April 19-25, 2021. The transfer will comprise the entire site and will go into effect in April. This March 2021 DMR is the last DMR being submitted by KCSWD for this CSGP.

BMPs

Cedar Hills Regional landfill  
Environmental Monitoring Report  
1st Quarter 2021

B- 57



Monitoring Point	Week	BMP
	1	Check Dams
	1	Other
	1	Silt Fence
	2	Check Dams
	2	Other
	2	Silt Fence
	3	Check Dams
	3	Other
	3	Silt Fence
	4	Check Dams
	4	Other
	4	Silt Fence
	5	Check Dams
	5	Other
	5	Silt Fence

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

Joan Kenton

Signature

4/15/2021 2:29:35 PM

Date

# Washington Department of Ecology

## Electronic Submission Cover Letter



**WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1769237 - 4/26/2021 11:19:29 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 Monday April 26 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



+RwlP6B+syCvU9KvcyZP3etk63YWgLnR0Wy+smq4VBnVLUaF3w1CzfhaAgZ5VUdyL  
+T9WiQD8CHwxIrWeR06RV/JfRQASmbzA9/M4gLXn0=





Permit Number: WAR000756

Permittee: CEDAR HILLS REGIONAL LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 01/01/2021 - 03/31/2021

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 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
2-Th	1/7/21	A	No	A	<2	1.4	0.121	<0.476	<9.52	<0.476	<0.476	1.89
Minimum												
Average		A		A								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	1.4	0.121	<0.476	<9.52	<0.476	<0.476	1.89
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

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



		pH Standard Units Quarterly Grab
Week	Monitoring Point	
		GS1
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
2-Th	1/7/21	6.83
Minimum		6.83
		>= 6.0 (RO)
Average		
Maximum		6.83
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		



Permit Number: WAR000756

Permittee: CEDAR HILLS REGIONAL LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 01/01/2021 - 03/31/2021

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
2-Th	1/7/21	A	No	17.5	<2	3.1	0.0128	<0.472	<9.43	<0.472	<0.472	42.7
6-W	2/3/21	M	M	9.91	M	M	M	M	M	M	M	M
Minimum												
Average		A		13.705								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	3.1	0.0128	<0.472	<9.43	<0.472	<0.472	42.7
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

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



		PH Standard Units Quarterly Grab
Week	Monitoring Point	
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
2-Th	1/7/21	7.46
6-W	2/3/21	M
Minimum		7.46
		>= 6.0 (RO)
Average		
Maximum		7.46
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

Permit Number: WAR000756

Permittee: CEDAR HILLS REGIONAL LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period:01/01/2021 - 03/31/2021

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
2-Th	1/7/21	A	No	A	<2	6.8	0.127	<.472	<9.43	<.472	<.472	12.2
Minimum												
Average		A		A								
		BM: <= 25		BM: <= 14								
Maximum												
Month 1 Average					<2	6.8	0.127	<.472	<9.43	<.472	<.472	12.2
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 2 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110
Month 3 Average					M	M	M	M	M	M	M	M
					<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14	<= 15	<= 110

Reporting Codes Used: 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

4/26/2021 11:19:36 AM

Signature

Date



		pH Standard Units Quarterly Grab
Week	Monitoring Point	
		SL3
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
2-Th	1/7/21	7.31
Minimum		7.31
		>= 6.0 (RO)
Average		
Maximum		7.31
		<= 9.0 (RO)
Month 1 Average		
Month 2 Average		
Month 3 Average		

## Leachate Field and Analytical Data





Data Collected from January 1, 2021 to March 31, 2021

Cedar Hills Landfill ---Leachate Field Parameters

Contact Person: Natalya Usova (206-263-0608)

**Leachate Monitoring Activities 1st Quarter 2021**

Station ID	Date	Activity	Sample ID	Comment
LS-46N	1/13/2021	Monthly Characterization Sample	L46N200715M	
LS-46N	2/4/2021	Monthly Characterization Sample	L46N200812M	
LS-46N	3/10/2021	Monthly Characterization Sample	L46N200909M	
LS-A567	1/14/2021	Special Investigation	L567210114I	
LS-A567	2/3/2021	Special Investigation	L567210203I	
LS-A567	3/11/2021	Special Investigation	L567210311I	
LS-A8	1/14/2021	Special Investigation	LA81210114I	
LS-A8	2/3/2021	Special Investigation	LA81210203I	
LS-A8	3/11/2021	Special Investigation	LA81210311I	
LS-BEW	1/6/2021	Special Investigation	LBC-210106I	
LS-CSW	1/14/2021	Special Investigation	LCSW210114I	
FIELD BLANK	1/13/2021	QA/QC Sample	LEPS210113F	
FIELD BLANK	2/3/2021	QA/QC Sample	LEPS210203F	
FIELD BLANK	3/11/2021	QA/QC Sample	LP1A210311F	
LS-LEPS	1/5/2021	Permit	LEPS210105P	
LS-LEPS	1/12/2021	Monthly Characterization Sample	LEPS210112M	
LS-LEPS	1/12/2021	Permit	LEPS210112P	
LS-LEPS	1/20/2021	Permit	LEPS210120P	
LS-LEPS	1/27/2021	Permit	LEPS210126P	
LS-LEPS	1/27/2021	QA/QC Sample	LEPS210126D	
LS-LEPS	2/3/2021	Monthly Characterization Sample	LEPS210208M	
LS-LEPS	2/4/2021	Permit	LEPS210204P	
LS-LEPS	2/9/2021	Permit	LEPS210209P	
LS-LEPS	2/16/2021	Permit	LEPS210216P	
LS-LEPS	2/23/2021	Permit	LEPS210223P	
LS-LEPS	3/2/2021	Permit	LEPS210302P	
LS-LEPS	3/10/2021	Monthly Characterization Sample	LEPS210310M	
LS-LEPS	3/10/2021	Permit	LEPS210310P	
LS-LEPS	3/16/2021	Permit	LEPS210316P	
LS-LEPS	3/23/2021	Permit	LEPS210323P	
LS-LEPS	3/30/2021	Permit	LEPS210330P	
LS-PS1A	1/14/2021	Special Investigation	LP1A210114I	
LS-PS1A	2/3/2021	Special Investigation	LP1A210203I	
LS-PS1A	3/11/2021	Special Investigation	LP1A210311I	
LS-PS2A	1/13/2021	Monthly Characterization Sample	LP2A210113M	
LS-PS2A	2/4/2021	Monthly Characterization Sample	LP2A210204M	
LS-PS2A	3/10/2021	Monthly Characterization Sample	LP2A210310M	
LS-PS4	1/14/2021	Special Investigation	LP4-210114I	
LS-PS4	2/3/2021	Special Investigation	LP4-210203I	
LS-PS4	3/11/2021	Special Investigation	LP4-210311I	

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021

Cedar Hills Landfill ---Leachate Field Parameters

Contact Person: Natalya Usova (206-263-0608)

**Leachate Monitoring Activities 1st Quarter 2021**

Station ID	Date	Activity	Sample ID	Comment
LS-V1A	1/14/2021	Monthly Characterization Sample	LV1A210114M	
LS-V1A	1/26/2021	Resample	LV1A210126R	
LS-V1A	2/4/2021	Monthly Characterization Sample	LV1A210204M	
LS-V1A	3/10/2021	Monthly Characterization Sample	LV1A210310M	

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate Field Parameters  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	pH	Specific Conductance	Temperature
			(Field) (std. Units)	(Field) (umho/cm)	(Field) (°C)
LS-A567	1/14/2021	L567210114I	7.95	18165	31
LS-A567	2/3/2021	L567210203I	8.08	18369	27.6
LS-A567	3/11/2021	L567210311I	8.12	18320	23.3
LS-A81	2/3/2021	LA81210203I	5.88	4245	9.2
LS-A81	3/11/2021	LA81210311I	6.93	18114	5
LS-CSW	1/14/2021	LCSW210114I	7.16	309.7	6.4
LS-LEPS	1/5/2021	LEPS210105P	8	2754	10.3
LS-LEPS	1/12/2021	LEPS210112M	7.7	3039	9.6
LS-LEPS	1/12/2021	LEPS210112P	7.7	3039	9.6
LS-LEPS	1/20/2021	LEPS210120P	6.39	2800	9.3
LS-LEPS	1/26/2021	LEPS210126D	8.27	3377	8.2
LS-LEPS	1/26/2021	LEPS210126P	8.27	3377	8.2
LS-LEPS	2/3/2021	LEPS210203M	7.95	3782	8.8
LS-LEPS	2/4/2021	LEPS210204P	8.3	4360	8.9
LS-LEPS	2/9/2021	LEPS210209P	8.26	3615	8.8
LS-LEPS	2/16/2021	LEPS210216P	8.34	4420	6.7
LS-LEPS	2/23/2021	LEPS210223P	8.18	3960	9.1
LS-LEPS	3/2/2021	LEPS210302P	8.15	4080	10.1
LS-LEPS	3/10/2021	LEPS210310M	8.16	4012	9.9
LS-LEPS	3/10/2021	LEPS210310P	8.16	4012	9.9
LS-LEPS	3/16/2021	LEPS210316P	8.11	4524	10.4
LS-LEPS	3/23/2021	LEPS210323P	8.26	6040	10.7
LS-LEPS	3/30/2021	LEPS210330P	8.2	5176	12
LS-MH46N	1/13/2021	L46N210113M	6.61	7700	24.7
LS-MH46N	2/4/2021	L46N210204M	6.76	4090	27.2
LS-MH46N	3/10/2021	L46N210310M	6.67	9950	25.5
LS-PS4	1/14/2021	LP4-210114I	7.6	728	12.4
LS-PS4	2/3/2021	LP4-210203I	6.83	550	9.8
LS-PS4	3/11/2021	LP4-210311I	7.17	940	10.5
LS-V1A	1/14/2021	LV1A210114M	6.78	3755	11.7
LS-V1A	1/26/2021	LV1A210126R	8.06	1620	5.5
LS-V1A	2/3/2021	LV1A210204M	6.98	4672	10
LS-V1A	3/10/2021	LV1A210310M	8.09	5271	11.1
FIELD BLANK	1/13/2021	LEPS210113F	7.92	20.5	11.7
FIELD BLANK	2/4/2021	LEPS210203F	7.95	3	8.2
FIELD BLANK	3/11/2021	LP1A210311F	8.37	0.6	5.6

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate Conventional Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Alkalinity,	Alkalinity,	Ammonia,	Biological	Chemical	Chloride	Coliforms,	Coliforms,	Cyanide	Fluoride	Nitrate+Nitrite
			Carbonate	Total	(NH3 as N)	Oxygen	Oxygen		Fecal	Total			(NO3+NO2 as N)
			(mg/l)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(CFU/100mL)	(CFU/100mL)	(mg/L)	(mg/L)	(mg/L)
LS-A567	1/14/2021	L567210114I	1 U	6960	1170	1500	4760 S	1730				5 U	0.2 U
LS-A567	2/3/2021	L567210203I	1 U	8170	1680	1810	5160	2140				2 U	0.2 U
LS-A567	3/11/2021	L567210311I	1 U	8290	1690	1820	5240 S	2160				5 U	0.2 U
LS-A81	2/3/2021	LA81210203I	1 U	1710	256	4300	5660	288				20 U	0.01 U
LS-A81	3/11/2021	LA81210311I	1 U	7750	1380	21100	27900 S	1670				100 U	0.05 U
LS-CSW	1/14/2021	LCSW210114I	1 U	108	14.4	6.58	43.3	16.2				0.045 T	0.0548
LS-LEPS	1/12/2021	LEPS210112M		1110	174	529	1180	227	9600	180000	0.0036 T	0.28 T	0.05 U
LS-LEPS	2/3/2021	LEPS210203M		1600	283	900	1940	343	6200	37000	0.008 SU	1 U	0.02 U
LS-LEPS	3/10/2021	LEPS210310M		1710	276	593	1270	361	19000	81000	0.008 SU	0.33 T	0.05 U
LS-MH46N	1/13/2021	L46N210113M		2410	424	48.5	1080	1040	1 U	1 U	0.0091 ST	5 U	0.05 U
LS-MH46N	2/4/2021	L46N210204M		1860	342	34.2	802	759	1 U	120	0.008 SU	0.892	0.05 U
LS-MH46N	3/10/2021	L46N210310M		1960	361	34.9	834	845	1 U	90 CU	0.0084 ST	0.869	0.05 U
LS-PS1A	1/14/2021	LP1A210114I	1 U	39.5	5.8 J	2 U	13 T	5.65				0.044 T	1.48
LS-PS1A	2/3/2021	LP1A210203I	1 U	204	31	14.8	86	56.8				0.08 T	0.761
LS-PS1A	3/11/2021	LP1A210311I	1 U	707	128	38.2	289	218				0.4 U	0.638
LS-PS4	2/3/2021	LP4-210203I	1 U	164	30.1	74.7	195	26.4				0.1 U	0.764
LS-PS4	3/11/2021	LP4-210311I	1 U	386	60.1	110	328	61.7				0.1 U	0.658
LS-V1A	1/14/2021	LV1A210114M		1040	188	653	1140	233	45000	52000	0.0038 ST	5 U	0.918
LS-V1A	1/26/2021	LV1A210126R		1460	269	1420	2330	320	25000 C	76000	0.008 SU	50 U	0.12 T
LS-V1A	2/3/2021	LV1A210204M		2300	433	2190	3280	490	24000 C	86000	0.008 SU	5 U	0.16 T
LS-V1A	3/10/2021	LV1A210310M		3500	701	4110	5740	796	74000	410000	0.011 ST	10 U	0.29 T

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate Conventional Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			Specific	Sulfate	Sulfide	Total	Total	Total	Total	Total	Volatile
			Conductance	(SO4)	Total	Fats, Oils	Kjeldahl	Organic	Suspended	Volatile	Suspended
			(umho/cm)	(mg/L)	(mg/L)	and Grease	Nitrogen	Carbon	Solids	Solids	Solids
Site	Date	Sample ID	(umho/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
LS-A567	1/14/2021	L567210114I	17000	23.9	3.86		1420 S	1250 S	38.7	2520 H	30.7
LS-A567	2/3/2021	L567210203I	20400	22.5	1.06		1660	1590 S	16	3300	12.8
LS-A567	3/11/2021	L567210311I	17300	22.9	1.7 T		1660 S	1640 S	13.8	3470	11.3
LS-A81	2/3/2021	LA81210203I	4680	130	1.15		257	1420	85	2110	38
LS-A81	3/11/2021	LA81210311I	16300	540	1.12		1610 S	9120 S	103	11400	46.7
LS-CSW	1/14/2021	LCSW210114I	309	7.07	0.01 U		15.2	10.8	12	62 H	4.2
LS-LEPS	1/12/2021	LEPS210112M	2980	36.8	0.19 ST	2.6 T	207	179	153	930 H	113
LS-LEPS	2/3/2021	LEPS210203M	4380	33.4	0.28 T	2 U	319	240	108	1170	84.6
LS-LEPS	3/10/2021	LEPS210310M	4300	38.9	0.2 T	1.9 U	328	299	116	1160	98.7
LS-MH46N	1/13/2021	L46N210113M	7750	0.5 U	1.52	2.8 T	463	320	0.5 U	865 H	0.5 U
LS-MH46N	2/4/2021	L46N210204M	5960	0.36 T	1.29	2 U	351	272	0.54 U	710	0.54 U
LS-MH46N	3/10/2021	L46N210310M	6090	2.01	1.21	1.9 U	369	259	0.51 U	816	0.51 U
LS-PS1A	1/14/2021	LP1A210114I	140	6.52	0.011 T		2.51 J	5.24	4.9 J	55.3 H	2.7
LS-PS1A	2/3/2021	LP1A210203I	650	7.74	0.0603		32.3	25.2	6.21	103 B	4.11
LS-PS1A	3/11/2021	LP1A210311I	2140	10	0.0667		135	82.1	12.9	237	10.9
LS-PS4	2/3/2021	LP4-210203I	529	37.6	0.0795		24.8	38.7	57.5	175 B	35.5
LS-PS4	3/11/2021	LP4-210311I	1070	25	0.0477		61.7	64.7	55	232	45
LS-V1A	1/14/2021	LV1A210114M	2990	24.3	0.16 ST	2.2 U	213	293	21.7	580 H	12
LS-V1A	1/26/2021	LV1A210126R	4080	33.4	0.2 T	63.7	289	558	36.6	1060	21.4
LS-V1A	2/3/2021	LV1A210204M	6190	48.7	0.33 T	1.9 U	463	991	37.2	2180	21
LS-V1A	3/10/2021	LV1A210310M	8560	65.4	0.39 T	3.4 T	792	1910 S	123	2910	53

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate Metals Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Aluminum,	Aluminum,	Antimony,	Antimony,	Arsenic,	Arsenic,	Barium,	Barium,
			dissolved (mg/L)	total (mg/L)	dissolved (mg/L)	total (mg/L)	dissolved (mg/L)	total (mg/L)	dissolved (mg/L)	total (mg/L)
LS-A567	1/14/2021	L567210114I	0.354	0.403	0.0116	0.0109	0.202	0.214	0.314	0.371
LS-A567	2/3/2021	L567210203I	0.432	0.464	0.016	0.0159	0.26	0.272	0.339	0.381
LS-A567	3/11/2021	L567210311I	0.413	0.451	0.021	0.0214	0.295	0.299	0.359	0.363
LS-A81	2/3/2021	LA81210203I	0.152	2.44	0.00485	0.00532	0.00781	0.0111	0.121	0.148
LS-A81	3/11/2021	LA81210311I	0.223	0.725	0.0215	0.0238	0.0293	0.0414	0.209	0.377
LS-CSW	1/14/2021	LCSW210114I	0.0495 U	0.378	0.00297 U	0.00296 U	0.00317	0.00344	0.0107	0.0137
LS-LEPS	1/5/2021	LEPS210105P		1.52		0.00536		0.0343		0.0724
LS-LEPS	1/12/2021	LEPS210112M	0.0836		0.00488		0.0314		0.0492	
LS-LEPS	1/12/2021	LEPS210112P		1.49		0.00494		0.0318		0.0643
LS-LEPS	1/20/2021	LEPS210120P		0.911		0.00447		0.0334		0.0831
LS-LEPS	1/26/2021	LEPS210126D		0.891		0.00479		0.0367		0.0695
LS-LEPS	1/26/2021	LEPS210126P		0.649		0.0046		0.0361		0.0666
LS-LEPS	2/3/2021	LEPS210203M	0.122		0.00598		0.0521		0.0694	
LS-LEPS	2/4/2021	LEPS210204P		1.11		0.00598		0.0517		0.0802
LS-LEPS	2/9/2021	LEPS210209P		0.465		0.00537		0.0459		0.0649
LS-LEPS	2/16/2021	LEPS210216P		2.09 J		0.0058		0.0498		0.0824
LS-LEPS	2/23/2021	LEPS210223P		0.67		0.00567		0.0467		0.062
LS-LEPS	3/2/2021	LEPS210302P		1.12		0.00525		0.0427		0.067
LS-LEPS	3/10/2021	LEPS210310M	0.127		0.00647		0.0512		0.0596	
LS-LEPS	3/10/2021	LEPS210310P		1.04		0.00691		0.0535		0.0751
LS-LEPS	3/16/2021	LEPS210316P		0.864		0.0211		0.156		0.0828
LS-LEPS	3/23/2021	LEPS210323P		0.792		0.0235		0.203		0.0815
LS-LEPS	3/30/2021	LEPS210330P		0.869		0.0218		0.17		0.0854
LS-MH46N	1/13/2021	L46N210113M		0.0513 U		0.00308 U		0.0718		0.237
LS-MH46N	2/4/2021	L46N210204M		0.052 U		0.00312 U		0.0597		0.18
LS-MH46N	3/10/2021	L46N210310M		0.0504 U		0.00302 U		0.0657		0.186
LS-PS1A	1/14/2021	LP1A210114I	0.0498 U	0.138	0.00299 U	0.00297 U	0.00197	0.00248	0.0083	0.00882
LS-PS1A	2/3/2021	LP1A210203I	0.0493 U	0.117	0.00296 U	0.00296 U	0.00991	0.0105	0.0201	0.0236
LS-PS1A	3/11/2021	LP1A210311I	0.05 U	0.0818	0.00537	0.00541	0.0316	0.0325	0.0623	0.0643
LS-PS4	2/3/2021	LP4-210203I	0.283	2.03	0.00987	0.0103	0.2	0.195	0.0133	0.0199
LS-PS4	3/11/2021	LP4-210311I	0.0979	1.68	0.023	0.0227	0.224	0.224	0.0231	0.0298
LS-V1A	1/14/2021	LV1A210114M	0.0999	0.422	0.00461	0.00431	0.0369	0.0377	0.0582	0.0647
LS-V1A	1/26/2021	LV1A210126R	0.0932	0.785	0.00628	0.00614	0.0516	0.0545	0.0501	0.0741
LS-V1A	2/3/2021	LV1A210204M	0.156	1.05	0.00715	0.00804	0.0758	0.0806	0.0609	0.105
LS-V1A	3/10/2021	LV1A210310M	0.133	2.46	0.0116	0.0123	0.103	0.11	0.073	0.166

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate Metals Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Beryllium, dissolved (mg/L)	Beryllium, total (mg/L)	Cadmium, dissolved (mg/L)	Cadmium, total (mg/L)	Calcium, dissolved (mg/L)	Calcium, total (mg/L)	Chromium, dissolved (mg/L)	Chromium, total (mg/L)
LS-A567	1/14/2021	L567210114I	0.00103 U	0.001 U	0.000515 U	0.000501 U	57.8	70.2	0.169	0.153
LS-A567	2/3/2021	L567210203I	0.00103 U	0.00101 U	0.000517 U	0.000505 U	61.5	60.1	0.188	0.2
LS-A567	3/11/2021	L567210311I	0.000995 U	0.00099 U	0.000498 U	0.000495 U	57.6	56.9	0.177	0.186
LS-A81	2/3/2021	LA81210203I	0.000992 U	0.000987 U	0.000496 U	0.000494 U	371	401	0.0453	0.0497
LS-A81	3/11/2021	LA81210311I	0.000992 U	0.000987 U	0.000496 U	0.000537	1680	1610	0.145	0.193
LS-CSW	1/14/2021	LCSW210114I	0.00099 U	0.000988 U	0.000495 U	0.000494 U	11.6	12.3	0.00198 U	0.00221
LS-LEPS	1/5/2021	LEPS210105P		0.000994 U		0.000497 U		91.9		0.0319
LS-LEPS	1/12/2021	LEPS210112M	0.000987 U		0.000494 U		84.5		0.0274	
LS-LEPS	1/12/2021	LEPS210112P		0.001 U		0.0005 U		83.8		0.0329
LS-LEPS	1/20/2021	LEPS210120P		0.001 U		0.000501 U		103		0.0313
LS-LEPS	1/26/2021	LEPS210126D		0.000995 U		0.000498 U		79.3		0.0308
LS-LEPS	1/26/2021	LEPS210126P		0.000983 U		0.000492 U		78.1		0.0299
LS-LEPS	2/3/2021	LEPS210203M	0.00101 U		0.000503 U		98.9		0.04	
LS-LEPS	2/4/2021	LEPS210204P		0.000992 U		0.000496 U		98.2		0.0434
LS-LEPS	2/9/2021	LEPS210209P		0.000986 U		0.000493 U		91.6		0.0363
LS-LEPS	2/16/2021	LEPS210216P		0.000999 U		0.0005 U		101		0.0413
LS-LEPS	2/23/2021	LEPS210223P		0.001 U		0.000502 U		95.1		0.0367
LS-LEPS	3/2/2021	LEPS210302P		0.001 U		0.000501 U		103		0.0344
LS-LEPS	3/10/2021	LEPS210310M	0.00101 U		0.000504 U		115		0.0343	
LS-LEPS	3/10/2021	LEPS210310P		0.000988 U		0.000494 U		114		0.0443
LS-LEPS	3/16/2021	LEPS210316P		0.001 U		0.000501 U		120		0.054
LS-LEPS	3/23/2021	LEPS210323P		0.00101 U		0.000503 U		117		0.0562
LS-LEPS	3/30/2021	LEPS210330P		0.000999 U		0.0005 U		123		0.0601
LS-MH46N	1/13/2021	L46N210113M		0.00103 U		0.000513 U		54.3		0.0606
LS-MH46N	2/4/2021	L46N210204M		0.00104 U		0.00052 U		49.2		0.0461
LS-MH46N	3/10/2021	L46N210310M		0.00101 U		0.000504 U		55.6		0.0493
LS-PS1A	1/14/2021	LP1A210114I	0.000996 U	0.00099 U	0.000498 U	0.000495 U	10.1	10.1	0.00199 U	0.00198 U
LS-PS1A	2/3/2021	LP1A210203I	0.000987 U	0.000988 U	0.000493 U	0.000494 U	14.9	16	0.00339	0.00377
LS-PS1A	3/11/2021	LP1A210311I	0.001 U	0.000996 U	0.0005 U	0.000498 U	30	30.3	0.00995	0.0109
LS-PS4	2/3/2021	LP4-210203I	0.000988 U	0.000975 U	0.000494 U	0.000488 U	21.2	22.8	0.00393	0.00652
LS-PS4	3/11/2021	LP4-210311I	0.000999 U	0.000988 U	0.000499 U	0.000494 U	32.8	32.9	0.0117	0.00652
LS-V1A	1/14/2021	LV1A210114M	0.000992 U	0.001 U	0.000496 U	0.000501 U	53.3	53.1	0.0315	0.0298
LS-V1A	1/26/2021	LV1A210126R	0.001 U	0.00101 U	0.000502 U	0.000504 U	89.6	94.1	0.0409	0.0445
LS-V1A	2/3/2021	LV1A210204M	0.00101 U	0.00102 U	0.000503 U	0.000511 U	136	148	0.064	0.0787
LS-V1A	3/10/2021	LV1A210310M	0.00101 U	0.000999 U	0.000503 U	0.000499 U	225	232	0.0805	0.0974

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate Metals Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Cobalt, dissolved (mg/L)	Cobalt, total (mg/L)	Copper, dissolved (mg/L)	Copper, total (mg/L)	Iron, dissolved (mg/L)	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)
LS-A567	1/14/2021	L567210114I	0.0483	0.0476	0.0212	0.0509	2.25	3.59	0.00103 U	0.00171
LS-A567	2/3/2021	L567210203I	0.0546	0.057	0.0167	0.0367	2.77	3.15	0.00189	0.00202
LS-A567	3/11/2021	L567210311I	0.0535	0.0534	0.0231	0.0593	2.72	2.97	0.000995 U	0.0022
LS-A81	2/3/2021	LA81210203I	0.0252	0.0275	0.00198 U	0.0106	39.5	43.3	0.000992 U	0.00293
LS-A81	3/11/2021	LA81210311I	0.0596	0.0662	0.00258	0.0142	22	88.2	0.000992 U	0.00304
LS-CSW	1/14/2021	LCSW210114I	0.000733	0.000856	0.00376	0.00836	0.284	0.782	0.00099 U	0.000988 U
LS-LEPS	1/5/2021	LEPS210105P		0.0107		0.00934		9.08		0.00179
LS-LEPS	1/12/2021	LEPS210112M	0.00912		0.00197 U		3.77		0.000987 U	
LS-LEPS	1/12/2021	LEPS210112P		0.00956		0.0101		7.89		0.00162
LS-LEPS	1/20/2021	LEPS210120P		0.0089		0.00805		8.45		0.0012
LS-LEPS	1/26/2021	LEPS210126D		0.0085		0.00752		6.44		0.00103
LS-LEPS	1/26/2021	LEPS210126P		0.00853		0.00744		6.36		0.00101
LS-LEPS	2/3/2021	LEPS210203M	0.011		0.00204		5.83		0.00101 U	
LS-LEPS	2/4/2021	LEPS210204P		0.0116		0.00992		8.63		0.00155
LS-LEPS	2/9/2021	LEPS210209P		0.0107		0.00507		6.89		0.000986 U
LS-LEPS	2/16/2021	LEPS210216P		0.0116		0.0112		9.67		0.00168
LS-LEPS	2/23/2021	LEPS210223P		0.0111		0.00671		8.86		0.00107
LS-LEPS	3/2/2021	LEPS210302P		0.0103		0.00801		9.51		0.0012
LS-LEPS	3/10/2021	LEPS210310M	0.0105		0.00202 U		5.14		0.00101 U	
LS-LEPS	3/10/2021	LEPS210310P		0.0123		0.00725		9.37		0.00104
LS-LEPS	3/16/2021	LEPS210316P		0.0139		0.00654		10.1		0.00102
LS-LEPS	3/23/2021	LEPS210323P		0.0146		0.00574		9.57		0.00101 U
LS-LEPS	3/30/2021	LEPS210330P		0.0162		0.00677		10.5		0.00107
LS-MH46N	1/13/2021	L46N210113M		0.0214		0.00205 U		1.85		0.00103 U
LS-MH46N	2/4/2021	L46N210204M		0.0167		0.00208 U		2.21		0.00104 U
LS-MH46N	3/10/2021	L46N210310M		0.0167		0.00202 U		1.97		0.00101 U
LS-PS1A	1/14/2021	LP1A210114I	0.000602	0.000652	0.0071	0.00916	0.204	0.762	0.000996 U	0.00099 U
LS-PS1A	2/3/2021	LP1A210203I	0.00172	0.00179	0.00693	0.0101	0.469	1.38	0.000987 U	0.000988 U
LS-PS1A	3/11/2021	LP1A210311I	0.00527	0.00516	0.00305	0.00595	0.592	1.11	0.001 U	0.000996 U
LS-PS4	2/3/2021	LP4-210203I	0.00205	0.00237	0.0045	0.0103	3.89	5.16	0.000988 U	0.000975 U
LS-PS4	3/11/2021	LP4-210311I	0.00239	0.00251	0.00334	0.00467	2.04	4.87	0.000999 U	0.000988 U
LS-V1A	1/14/2021	LV1A210114M	0.00783	0.00768	0.00456	0.00826	2.83	3.75	0.000992 U	0.001 U
LS-V1A	1/26/2021	LV1A210126R	0.0108	0.0115	0.00261	0.00986	4.47	8.44	0.001 U	0.00134
LS-V1A	2/3/2021	LV1A210204M	0.0169	0.0183	0.00296	0.00839	6.49	13.6	0.00101 U	0.00119
LS-V1A	3/10/2021	LV1A210310M	0.0224	0.0245	0.0028	0.0125	5.23	17.2	0.00101 U	0.00229



Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate VOAs Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	1,1,1,2-Tetrachloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,2,3-Trichloro-propane
			630-20-6 (ug/L)	71-55-6 (ug/L)	79-34-5 (ug/L)	79-00-5 (ug/L)	75-34-3 (ug/L)	75-35-4 (ug/L)	563-58-6 (ug/L)	96-18-4 (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-LEPS	2/3/2021	LEPS210203M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-LEPS	3/10/2021	LEPS210310M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	1/13/2021	L46N210113M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	2/4/2021	L46N210204M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-MH46N	3/10/2021	L46N210310M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	1/14/2021	LV1A210114M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	1/26/2021	LV1A210126R	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	2/3/2021	LV1A210204M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
LS-V1A	3/10/2021	LV1A210310M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate VOAs Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

			1,2-Dibromo-3- Chloropropane	1,2-Dibromo-ethane	1,2-Dichloro- benzene	1,2-Dichloro-ethane	1,2-Dichloro- propane	1,3 Dichloro- benzene	1,3-Dichloro- propane	1,4-Dichloro- benzene	2,2-Dichloro- propane	2-Butanone
Site	Date	Sample ID	96-12-8 (ug/L)	106-93-4 (ug/L)	95-50-1 (ug/L)	107-06-2 (ug/L)	78-87-5 (ug/L)	541-73-1 (ug/L)	142-28-9 (ug/L)	106-46-7 (ug/L)	594-20-7 (ug/L)	78-93-3 (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1780 D
LS-LEPS	2/3/2021	LEPS210203M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2390 D
LS-LEPS	3/10/2021	LEPS210310M	25 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1270 D
LS-MH46N	1/13/2021	L46N210113M	25 U	1 U	2.26	1 U	1 U	1 U	1 U	8.07	1 U	2.5 U
LS-MH46N	2/4/2021	L46N210204M	25 U	1 U	2.07	1 U	1 U	1 U	1 U	7.3	1 U	2.5 U
LS-MH46N	3/10/2021	L46N210310M	25 U	1 U	2.08	1 U	1 U	1 U	1 U	8.24	1 U	2.5 U
LS-V1A	1/14/2021	LV1A210114M	25 U	1 U	1 U	1.17 JT	1 U	1 U	1 U	1 U	1 U	1060 D
LS-V1A	1/26/2021	LV1A210126R	25 U	1 U	1 U	1.55 JT	1 U	1 U	1 U	1 U	1 U	2810 D
LS-V1A	2/3/2021	LV1A210204M	25 U	1 U	1 U	6.33	1 U	1 U	1 U	1.48 JT	1 U	4960 D
LS-V1A	3/10/2021	LV1A210310M	25 U	1 U	1 U	1.85 JT	1 U	1 U	1 U	1 JT	1 U	10200 D
VOA TRIP BLANK	1/12/2021	VTRP210113X	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate VOAs Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			2-Hexanone	2-Methyl-1-propanol	3-Chloro-propene	4-Methyl-2-Pentanone	Acetone	Acetonitrile	Acrolein	Acrylonitrile	Benzene
Site	Date	Sample ID	591-78-6 (ug/L)	78-83-1 (ug/L)	107-05-1 (ug/L)	108-10-1 (ug/L)	67-64-1 (ug/L)	75-05-8 (ug/L)	107-02-8 (ug/L)	107-13-1 (ug/L)	71-43-2 (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	8.18 JT	60.9 JT	1 U	25 U	2140 D	50 U	25 U	0.35 U	1 U
LS-LEPS	2/3/2021	LEPS210203M	12.8	130	1 U	25 U	4020 D	50 U	25 U	0.35 U	1 U
LS-LEPS	3/10/2021	LEPS210310M	5 U	50 U	1 U	25 U	2430 D	50 U	25 U	0.35 U	1 U
LS-MH46N	1/13/2021	L46N210113M	5 U	50 U	1 U	25 U	34.1 JT	50 U	25 U	0.35 U	3.91
LS-MH46N	2/4/2021	L46N210204M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	3.07
LS-MH46N	3/10/2021	L46N210310M	8.7 JT	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	3.6
LS-V1A	1/14/2021	LV1A210114M	12.1	83.9 JT	1 U	25 U	1520 D	50 U	25 U	0.35 U	1 U
LS-V1A	1/26/2021	LV1A210126R	6.01 JT	139 D	1 U	25 U	3190 D	50 U	25 U	0.35 U	1 U
LS-V1A	2/3/2021	LV1A210204M	9.28 JT	250	1 U	42.7 JT	5130 D	50 U	25 U	0.35 U	1.37 JT
LS-V1A	3/10/2021	LV1A210310M	11.2	294	1 U	55.9	8790 D	50 U	25 U	0.35 U	1 U
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.5 U	5 DU	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate VOAs Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Bromochloro- methane	Bromodichloro- methane	Bromoform	Bromo- methane	Carbon Disulfide	Carbon Tetrachloride	Chloro- benzene	Chloro-dibromo- methane	Chloroethane
			74-97-5 (ug/L)	75-27-4 (ug/L)	75-25-2 (ug/L)	74-83-9 (ug/L)	75-15-0 (ug/L)	56-23-5 (ug/L)	108-90-7 (ug/L)	124-48-1 (ug/L)	75-00-3 (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	2/3/2021	LEPS210203M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	3/10/2021	LEPS210310M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-MH46N	1/13/2021	L46N210113M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.14	5 U	1 U
LS-MH46N	2/4/2021	L46N210204M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1.82 JT	5 U	1 U
LS-MH46N	3/10/2021	L46N210310M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2 JT	5 U	1 U
LS-V1A	1/14/2021	LV1A210114M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-V1A	1/26/2021	LV1A210126R	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-V1A	2/3/2021	LV1A210204M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-V1A	3/10/2021	LV1A210310M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
Cedar Hills Landfill ---Leachate VOAs Analytical Data  
Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Chloroform	Chloro- methane	Chloroprene	cis-1,2-Dichloro- ethene	cis-1,3-Dichloro- propene	Dibromo-methane	Dichloro-difluoro- methane	Ethylbenzene	m & p Xylenes
			67-66-3 (ug/L)	74-87-3 (ug/L)	126-99-8 (ug/L)	156-59-2 (ug/L)	10061-01-5 (ug/L)	74-95-3 (ug/L)	75-71-8 (ug/L)	100-41-4 (ug/L)	mpx (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-LEPS	2/3/2021	LEPS210203M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1.68 JT
LS-LEPS	3/10/2021	LEPS210310M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	16
LS-MH46N	1/13/2021	L46N210113M	1 U	2.5 U	1 U	3.42	2.5 U	1 U	1 U	38.3	52.1
LS-MH46N	2/4/2021	L46N210204M	1 U	2.5 U	1 U	6.49	2.5 U	1 U	1 U	29.6	43.7
LS-MH46N	3/10/2021	L46N210310M	1 U	2.5 U	1 U	4.33	2.5 U	1 U	1 U	38.3	61
LS-V1A	1/14/2021	LV1A210114M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1.27 JT	2.59
LS-V1A	1/26/2021	LV1A210126R	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1.64 JT	3.36
LS-V1A	2/3/2021	LV1A210204M	1 U	2.5 U	1 U	1.66 JT	2.5 U	1 U	1 U	4.17	9.73
LS-V1A	3/10/2021	LV1A210310M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	2.28	20.8
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate VOAs Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Sample ID	Methyl Iodide	Methyl Methacrylate	Methylacrylo-nitrile	Methylene Chloride	o-Xylene	Propionitrile	Styrene	Tetrachloro-ethene
			74-88-4 (ug/L)	80-62-6 (ug/L)	126-98-7 (ug/L)	75-09-2 (ug/L)	95-47-6 (ug/L)	107-12-0 (ug/L)	100-42-5 (ug/L)	127-18-4 (ug/L)
LS-LEPS	1/12/2021	LEPS210112M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-LEPS	2/3/2021	LEPS210203M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-LEPS	3/10/2021	LEPS210310M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U
LS-MH46N	1/13/2021	L46N210113M	1 U	2.5 U	1 U	25 U	2.06	5 U	1.54 JT	1 U
LS-MH46N	2/4/2021	L46N210204M	1 U	2.5 U	1 U	25 U	1.54 JT	5 U	1.49 JT	1 U
LS-MH46N	3/10/2021	L46N210310M	1 U	2.5 U	1 U	26.7 JT	1.85 JT	5 U	1.1 JT	1 U
LS-V1A	1/14/2021	LV1A210114M	1 U	2.5 U	1 U	25 U	1.33 JT	5 U	1 U	1 U
LS-V1A	1/26/2021	LV1A210126R	1 U	2.5 U	1 U	25 U	1.62 JT	5 U	1 U	1 U
LS-V1A	2/3/2021	LV1A210204M	1 U	2.5 U	1 U	25 U	4.83	5 U	1.94 JT	1 U
LS-V1A	3/10/2021	LV1A210310M	1 U	2.5 U	1 U	25 U	2.65	5 U	1 U	1 U
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate VOAs Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

			Toluene	trans-1,2-Dichloro- ethene	trans-1,3-Dichloro- propene	trans-1,4-Dichloro-2- butene	Trichloro- ethene	Trichloro-fluoro- methane	Vinyl Acetate	Vinyl Chloride
			108-88-3 (ug/L)	156-60-5 (ug/L)	10061-02-6 (ug/L)	110-57-6 (ug/L)	79-01-6 (ug/L)	75-69-4 (ug/L)	108-05-4 (ug/L)	75-01-4 (ug/L)
Site	Date	Sample ID								
LS-LEPS	1/12/2021	LEPS210112M	1 U	1 U	5 U	5 U	1 U	1 U	1 U	0.1 DU
LS-LEPS	2/3/2021	LEPS210203M	7.65	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	3/10/2021	LEPS210310M	1.66 JT	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-MH46N	1/13/2021	L46N210113M	2.22	1 U	5 U	5 U	1 U	1 U	1 U	8.52 D
LS-MH46N	2/4/2021	L46N210204M	2.41	1 U	5 U	5 U	1 U	1 U	1 U	6.48
LS-MH46N	3/10/2021	L46N210310M	3.42	1 U	5 U	5 U	1 U	1 U	1 U	5.7
LS-V1A	1/14/2021	LV1A210114M	7.44	1 U	5 U	5 U	1 U	1 U	1 U	0.112 DJT
LS-V1A	1/26/2021	LV1A210126R	8.07	1 U	5 U	5 U	1 U	1 U	1 U	0.1 DU
LS-V1A	2/3/2021	LV1A210204M	27.8	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-V1A	3/10/2021	LV1A210310M	14.9	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
VOA TRIP BLANK	1/12/2021	VTRP210113X	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	1/12/2021	VTRP210113Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	1/13/2021	VTRP210114X	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	1/25/2021	VTRP210126Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	2/3/2021	VTRP210203X2	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	2/3/2021	VTRP210204Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	3/9/2021	VTRP210310Y	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	3/9/2021	VTRP210310Z	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate PCB Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	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
		CAS_RN Sample ID	93-76-5 ug/l	93-72-1 ug/l	94-75-7 ug/l	72-54-8 ug/l	72-55-9 ug/l	50-29-3 ug/l	309-00-2 ug/l	319-84-6 ug/l	5103-71-9 ug/l	12674-11-2 ug/l	11104-28-2 ug/l
LS-LEPS	1/12/2021	LEPS210112M	0.5 U	0.5 U	2.95	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U
LS-LEPS	2/3/2021	LEPS210203M	0.5 U	0.5 U	2.55	0.1 U	0.1 GU	0.1 U	0.1 GU	0.1 U	0.1 U	0.025 U	0.025 U
LS-LEPS	3/10/2021	LEPS210310M	0.5 U	0.5 U	2.09	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.05 U
LS-MH46N	1/13/2021	L46N210113M	0.5 U	1 U	1 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U
LS-MH46N	2/4/2021	L46N210204M	0.5 U	1 U	1.09	0.1 U	0.1 GU	0.1 U	0.1 GU	0.1 U	0.1 U	0.025 U	0.075 U
LS-MH46N	3/10/2021	L46N210310M	0.5 U	0.5 U	1 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.05 U	0.025 GU	0.025 U	0.1 U
LS-V1A	1/14/2021	LV1A210114M	0.5 U	0.5 U	1.42	0.025 HU	0.025 HU	0.025 HU	0.025 HU	0.025 HU	0.025 HU	0.025 U	0.025 U
LS-V1A	1/26/2021	LV1A210126R	0.5 U	0.5 U	2.13	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-V1A	2/3/2021	LV1A210204M	0.5 U	0.5 U	3.59	0.1 U	0.1 GU	0.1 U	0.1 GU	0.1 U	0.1 U	0.025 U	0.025 U
LS-V1A	3/10/2021	LV1A210310M	0.5 U	1 U	3.09	0.025 U	0.05 GU	0.025 U	0.025 U	0.05 U	0.025 GU	0.025 U	0.1 U



Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate PCB Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Chemical_Name	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	BETA BHC	DELTA BHC	DIELDRIN	DINOSEB	ENDOSULFAN I	ENDOSULFAN II
		CAS_RN Sample ID	11141-16-5 ug/l	53469-21-9 ug/l	12672-29-6 ug/l	11097-69-1 ug/l	11096-82-5 ug/l	319-85-7 ug/l	319-86-8 ug/l	60-57-1 ug/l	88-85-7 ug/l	959-98-8 ug/l	33213-65-9 ug/l
LS-LEPS	1/12/2021	LEPS210112M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.5 U	0.025 U	0.025 U
LS-LEPS	2/3/2021	LEPS210203M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U
LS-LEPS	3/10/2021	LEPS210310M	0.025 U	0.0469	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.5 U	0.075 U	0.025 U
LS-MH46N	1/13/2021	L46N210113M	0.025 U	0.149	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.5 U	0.025 U	0.025 U
LS-MH46N	2/4/2021	L46N210204M	0.025 U	0.176	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U
LS-MH46N	3/10/2021	L46N210310M	0.025 U	0.16	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.5 U	0.05 U	0.025 U
LS-V1A	1/14/2021	LV1A210114M	0.025 U	0.0569	0.025 U	0.0322	0.025 U	0.025 GHU	0.025 HU	0.025 HU	0.5 U	0.025 HU	0.025 HU
LS-V1A	1/26/2021	LV1A210126R	0.025 U	0.0583	0.025 U	0.029	0.025 U	0.025 U	0.025 U	0.025 U	0.5 GU	0.025 U	0.025 U
LS-V1A	2/3/2021	LV1A210204M	0.025 U	0.069	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U	0.1 U	0.5 U	0.1 U	0.1 U
LS-V1A	3/10/2021	LV1A210310M	0.025 U	0.0872	0.025 U	0.0321	0.025 U	0.025 GU	0.125 U	0.025 U	0.5 U	0.025 U	0.025 U

Environmental Monitoring Data

Data Collected from January 1, 2021 to March 31, 2021  
 Cedar Hills Landfill ---Leachate PCB Analytical Data  
 Contact Person: Natalya Usova (206-263-0608)

Site	Date	Chemical_Name	ENDOSULFAN SULFATE	ENDRIN	ENDRIN ALDEHYDE	HEPTACHLOR	HEPTACHLOR EPOXIDE	ISODRIN	LINDANE (GAMMA BHC)	METHOXYCHLOR	Total Aroclors	TOXAPHENE	trans- Chlordane
		CAS_RN Sample ID	1031-07-8 ug/l	72-20-8 ug/l	7421-93-4 ug/l	76-44-8 ug/l	1024-57-3 ug/l	465-73-6 ug/l	58-89-9 ug/l	72-43-5 ug/l	T_AROCLOR ug/l	8001-35-2 ug/l	5103-74-2 ug/l
LS-LEPS	1/12/2021	LEPS210112M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.025 U	2.5 U	0.025 GU
LS-LEPS	2/3/2021	LEPS210203M	0.1 U	0.1 U	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.025 U	10 U	0.1 GU
LS-LEPS	3/10/2021	LEPS210310M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.0469	2.5 U	0.025 GU
LS-MH46N	1/13/2021	L46N210113M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.149	2.5 U	0.025 GU
LS-MH46N	2/4/2021	L46N210204M	0.1 U	0.1 U	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.176	10 U	0.1 GU
LS-MH46N	3/10/2021	L46N210310M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.16	2.5 U	0.025 GU
LS-V1A	1/14/2021	LV1A210114M	0.025 HU	0.025 HU	0.025 GHU	0.025 HU	0.025 HU	0.025 HU	0.05 HU	0.125 HU	0.0891	2.5 HU	0.025 GHU
LS-V1A	1/26/2021	LV1A210126R	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U	0.0873	2.5 U	0.0669
LS-V1A	2/3/2021	LV1A210204M	0.1 U	0.1 U	0.1 GU	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.069	10 U	0.1 GU
LS-V1A	3/10/2021	LV1A210310M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.1 U	0.125 U	0.1193	2.5 U	0.025 GU

## Landfill Gas Monitoring Data

## Compliance Probes









**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Compliance Probes**  
**January 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 (% Vol)</b>	<b>CO2 (% Vol)</b>	<b>O2 (% Vol)</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
ATC-01D	1/13/2021 12:02	0	0.1	20.2	0	2.19	None
ATC-01S	1/13/2021 12:00	0	0.8	20.1	0	1.35	H2O
ATC-06D	1/13/2021 14:52	0.0	0.9	2.2	0.0	-0.11	None
ATC-06S	1/13/2021 14:51	0.0	0.1	19.5	0.0	-0.04	H2O
ATC-08D	1/13/2021 15:03	0.0	0.9	16.8	0.0	-0.17	None
ATC-08S	1/13/2021 15:01	0	0.3	15.6	0	-2.45	None
GP-11A	1/13/2021 11:46	0	0.9	19.3	0	0	None
GP-11B	1/13/2021 11:47	0.0	0.1	20.1	0.0	-2.87	None
GP-11C	1/13/2021 11:48	0.0	0.1	20.2	0.0	-3.06	None
GP-11D	1/13/2021 11:50	0.0	0.1	20.1	0.0	-0.02	None
GP-12A	1/13/2021 12:15	0	0.1	20.4	0	-1.16	None
GP-12B	1/13/2021 12:16	0	0.1	20.4	0	-0.57	None
GP-12C	1/13/2021 12:17	0.0	0.3	17.0	0.0	-10.45	None
GP-12D	1/13/2021 12:19	0.0	0.8	4.9	0.0	-5.24	None
GP-13A	1/13/2021 12:07	0.0	0.1	20.3	0.0	-0.07	None
GP-13B	1/13/2021 12:09	0	0.1	20.1	0	0.21	None
GP-13C	1/13/2021 12:10	0	0.1	20.3	0	-0.07	None
GP-13D	1/13/2021 12:11	0.0	0.1	20.3	0.0	-5.96	None
GP-14A	1/13/2021 12:26	0.0	0.1	20.1	0.0	-1.79	None
GP-14B	1/13/2021 12:27	0.0	0.1	20.3	0.0	-2.05	None
GP-15A	1/13/2021 12:50	0	0.1	20.3	0	-0.09	None
GP-15C	1/13/2021 12:51	0	0.7	17.5	0	-0.01	None
GP-15D	1/13/2021 12:52	0.0	0.2	20.3	0.0	-2.3	None
GP-16A	1/13/2021 14:55	0.0	0.1	19.3	0.0	-0.03	H2O
GP-16B	1/13/2021 14:57	0.0	0.3	16.2	0.0	-6.24	None
GP-16C	1/13/2021 14:58	0	0.1	19.9	0	-6.59	None
GP-17A	1/13/2021 15:33	0	1.4	11.4	0	-2.85	H2O
GP-17B	1/13/2021 15:34	0.0	0.9	15.9	0.0	-0.05	None
GP-17C	1/13/2021 15:35	0.0	0.1	20.5	0.0	-6.86	None
GP-18A	1/13/2021 15:38	0.0	0.3	20.4	0.0	0.01	H2O
GP-18B	1/13/2021 15:40	0	0.4	13.8	0	0.09	None
GP-18C	1/13/2021 15:41	0	0.3	15.4	0	-6.86	None
GP-19A	1/13/2021 15:46	0.0	0.1	20.4	0.0	0	None
GP-19B	1/13/2021 15:47	0.0	0.7	16.0	0.0	-0.05	None
GP-19C	1/13/2021 15:48	0.0	0.1	20.4	0.0	-0.6	None
GP-20A	1/13/2021 15:51	0	0.1	20.4	0	-2.15	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Compliance Probes**  
**January 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-20B	1/13/2021 15:53	0	0.3	17.3	0	-0.02	None
GP-20C	1/13/2021 15:54	0.0	0.2	2.6	0.0	-0.62	None
GP-21A	1/13/2021 15:57	0.0	0.1	20.1	0.0	-0.03	None
GP-21B	1/13/2021 15:58	0.0	0.2	10.1	0.0	0.04	None
GP-21C	1/13/2021 15:59	0	0.1	13.6	0	2.33	Blocked
GP-22A	1/13/2021 16:03	0	0.6	19.2	0	1.35	None
GP-22C	1/13/2021 16:05	0.0	1.5	1.9	0.0	-5.62	None
GP-23A	1/13/2021 16:09	0.0	0.1	20.1	0.0	-0.03	None
GP-23B	1/13/2021 16:10	0.0	0.1	20.3	0.0	-1.8	None
GP-23C	1/13/2021 16:12	0	0.1	20.3	0	-2	None
GP-24A	1/13/2021 16:15	0	0.1	20.3	0	0.02	None
GP-24B	1/13/2021 16:16	0.0	3.0	14.0	0.0	-0.01	None
GP-25	1/13/2021 16:19	0.0	0.9	17.2	0.0	3.34	Blocked
GP-26	1/13/2021 16:22	0.0	1.0	18.1	0.0	-1.15	None
GP-27	1/13/2021 9:11	0	6.6	10.4	0	-1.36	None
GP-29A	1/13/2021 9:17	0	1.6	18.5	0	0.05	None
GP-29B	1/13/2021 9:18	0.0	0.8	20.2	0.0	2.23	None
GP-30A	1/13/2021 9:30	0.0	1.8	18.2	0.0	-0.02	None
GP-30B	1/13/2021 9:31	0.0	1.1	20.4	0.0	-6.19	None
GP-31A	1/13/2021 9:39	0	0.3	20.7	0	0.63	H2O
GP-31B	1/13/2021 9:40	0	0.4	15.7	0	-2.83	None
GP-31C	1/13/2021 9:41	0.0	0.2	21.3	0.0	-3.73	None
GP-32A	1/13/2021 9:44	0.0	0.6	20.5	0.0	-0.02	None
GP-32B	1/13/2021 9:46	0.0	0.3	21.0	0.0	-0.01	None
GP-32C	1/13/2021 9:47	0	0.5	21	0	-0.03	None
GP-33A	1/13/2021 9:51	0	1.7	19.5	0	8.55	None
GP-33B	1/13/2021 9:52	0.0	0.2	21.6	0.0	-3.84	None
GP-33C	1/13/2021 9:54	0.0	0.3	20.5	0.0	-2.51	None
GP-34A	1/13/2021 9:58	0.0	0.1	20.7	0.0	8.07	H2O
GP-34B	1/13/2021 9:59	0	0.1	20.7	0	-1.07	None
GP-34C	1/13/2021 10:00	0	0.1	20.7	0	-3.7	None
GP-35A	1/13/2021 10:05	0.0	0.2	20.6	0.0	1.32	None
GP-35B	1/13/2021 10:06	0.0	0.1	20.7	0.0	-0.03	None
GP-35C	1/13/2021 10:07	0.0	0.1	20.7	0.0	-0.08	None
GP-36A	1/13/2021 10:10	0	0.1	20.7	0	-0.96	None
GP-36B	1/13/2021 10:12	0	0.3	20.6	0	-0.14	H2O



**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Compliance Probes**  
**January 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 (% Vol)</b>	<b>CO2 (% Vol)</b>	<b>O2 (% Vol)</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-36C	1/13/2021 10:13	0.0	0.3	15.1	0.0	-3.94	None
GP-37A	1/13/2021 10:17	0.0	0.2	16.3	0.0	-0.03	H2O
GP-37B	1/13/2021 10:18	0.0	0.1	20.6	0.0	-0.06	None
GP-37C	1/13/2021 10:20	0	0.7	4.7	0	-4.55	None
GP-39	1/13/2021 10:26	0	1.2	17.7	0	0.88	None
GP-40	1/13/2021 10:32	0.0	0.1	19.8	0.0	-0.02	None
GP-41A	1/13/2021 10:35	0.0	0.1	20.6	0.0	-0.04	None
GP-41B	1/13/2021 10:37	0.0	0.1	20.6	0.0	0.13	None
GP-41C	1/13/2021 10:38	0	0.1	20.6	0	0.04	None
GP-42A	1/13/2021 10:42	0	0.1	20.6	0	-1	None
GP-42B	1/13/2021 10:44	0.0	0.6	17.5	0.0	-4.2	None
GP-43A	1/13/2021 10:48	0.0	0.2	20.2	0.0	0.39	Blocked
GP-43B	1/13/2021 10:50	0.0	0.1	20.5	0.0	-0.07	None
GP-43C	1/13/2021 10:51	0	0.1	19.5	0	-0.54	None
GP-44A	1/13/2021 10:55	0	0.1	20.5	0	-0.05	None
GP-44B	1/13/2021 10:56	0.0	1.0	9.8	0.0	0.5	None
GP-44C	1/13/2021 10:58	0.0	0.1	20.4	0.0	-0.11	None
GP-45D	1/13/2021 11:44	0.0	0.1	20.2	0.0	-3.68	None
GP-45I	1/13/2021 11:43	0	0.1	20.2	0	-0.15	None
GP-45S	1/13/2021 11:42	0	0.1	20.1	0	-0.04	None

# CEDAR HILLS REGIONAL LANDFILL

## Landfill Gas Compliance Probes

### February 2021 Monitoring Data

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	2/11/2021 12:53	0	0.6	16.2	0		None
ATC-1S	2/11/2021 11:55	0	0.7	21	0	-0.02	H2O
ATC-6D	2/11/2021 13:43	0	1	4	0		None
ATC-6S	2/11/2021 13:42	0	0.2	21	0	0.01	None
ATC-8D	2/11/2021 13:57	0	2.1	12.3	0		None
ATC-8S	2/11/2021 13:55	0	0.5	17.5	0		None
GP-11A	2/11/2021 14:21	0	0.2	21	0		None
GP-11B	2/11/2021 14:22	0	0.2	21	0		None
GP-11C	2/11/2021 14:23	0	0.2	21	0		None
GP-11D	2/11/2021 14:25	0	0.2	21	0		None
GP-12A	2/11/2021 11:39	0	0.2	21	0		None
GP-12B	2/11/2021 11:40	0	0.2	21	0		None
GP-12C	2/11/2021 11:41	0	0.3	18.2	0		None
GP-12D	2/11/2021 11:42	0	0.3	21	0		None
GP-13A	2/11/2021 11:47	0	0.2	21	0		None
GP-13B	2/11/2021 11:48	0	0.2	21	0		None
GP-13C	2/11/2021 11:49	0	0.2	20.8	0		None
GP-13D	2/11/2021 11:50	0	0.2	21	0		None
GP-14A	2/11/2021 13:05	0	0.2	20.8	0		None
GP-14B	2/11/2021 13:06	0	0.2	21	0		None
GP-15A	2/11/2021 13:32	0	0.5	21	0		None
GP-15C	2/11/2021 13:34	0	0.8	18.9	0		None
GP-15D	2/11/2021 13:35	0	0.2	21	0		None
GP-16A	2/11/2021 13:47	0	0.2	21	0	0.02	None
GP-16B	2/11/2021 13:48	0	0.3	20.6	0		None
GP-16C	2/11/2021 13:49	0	0.2	21	0		None
GP-17A	2/11/2021 15:37	0	0.3	20.8	0	-15.42	None
GP-17B	2/11/2021 15:51	0	1.1	17.9	0		None
GP-17C	2/11/2021 15:52	0	0.2	20	0		None
GP-18A	2/11/2021 15:54	0	0.3	20.9	0	-2.6	None
GP-18B	2/11/2021 15:56	0	0.5	17.4	0		None
GP-18C	2/11/2021 15:57	0	0.3	19.7	0		None
GP-19A	2/11/2021 16:00	0	0.3	21	0		None
GP-19B	2/11/2021 16:01	0	0.9	17.1	0		None
GP-19C	2/11/2021 16:03	0	0.2	21	0		None
GP-20A	2/11/2021 16:07	0	0.2	21	0		None
GP-20B	2/11/2021 16:09	0	0.4	19.6	0		None
GP-20C	2/11/2021 16:10	0	0.4	18.7	0		None
GP-21A	2/11/2021 16:12	0	0.3	18.9	0		None

**CEDAR HILLS REGIONAL LANDFILL**

**Landfill Gas Compliance Probes**

**February 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-21B	2/11/2021 16:13	0	0.3	11.2	0		None
GP-21C	2/11/2021 16:14	0	0.2	14.4	0	-0.67	Blocked
GP-22A	2/11/2021 16:19	0	0.8	20.5	0		None
GP-22C	2/11/2021 16:20	0	0.8	10.4	0		None
GP-23A	2/11/2021 16:36	0	0.3	20.1	0		None
GP-23B	2/11/2021 16:37	0	0.2	21	0		None
GP-23C	2/11/2021 16:38	0	0.2	21	0		None
GP-24A	2/11/2021 16:26	0	4.5	13.3	0		None
GP-24B	2/11/2021 16:27	0	2.7	12.7	0		None
GP-25	2/11/2021 16:42	0	2.6	14.9	0	-10.67	None
GP-26	2/11/2021 16:44	0	1.2	18.8	0	0.93	None
GP-27	2/11/2021 16:47	0	7.5	10	0	-0.63	None
GP-29A	2/11/2021 16:51	0	6.5	11.2	0		None
GP-29B	2/11/2021 16:52	0	1.1	19.3	0		None
GP-30A	2/11/2021 9:08	0	2.3	18.2	0		None
GP-30B	2/11/2021 9:09	0	1.5	19.5	0		None
GP-31A	2/11/2021 9:18	0	0.4	21	0	14.98	H2O
GP-31B	2/11/2021 9:19	0	0.7	17.5	0		None
GP-31C	2/11/2021 9:22	0	2.6	16.2	0		None
GP-32A	2/11/2021 9:25	0	0.8	21	0		H2O
GP-32B	2/11/2021 9:27	0	0.5	21	0		None
GP-32C	2/11/2021 9:28	0	0.5	21	0		None
GP-33A	2/11/2021 9:32	0	1.3	21	0		H2O
GP-33B	2/11/2021 9:33	0	0.6	21	0		None
GP-33C	2/11/2021 9:34	0	0.2	21	0		None
GP-34A	2/11/2021 9:38	0	0.3	21	0	26.89	H2O
GP-34B	2/11/2021 9:40	0	0.4	21	0		None
GP-34C	2/11/2021 9:41	0	0.2	21	0		None
GP-35A	2/11/2021 9:43	0	1.3	20.4	0		None
GP-35B	2/11/2021 9:45	0	0.3	21	0		None
GP-35C	2/11/2021 9:46	0	0.2	21	0		None
GP-36A	2/11/2021 9:53	0	0.5	6.2	0		None
GP-36B	2/11/2021 9:53	0	0.4	5.7	0	-5.03	None
GP-36C	2/11/2021 9:55	0	0.8	19.8	0		None
GP-37A	2/11/2021 10:05	0	0.4	13.8	0	-0.03	None
GP-37B	2/11/2021 10:08	0	0.3	21	0		None
GP-37C	2/11/2021 10:09	0	0.7	4.3	0		None
GP-39	2/11/2021 10:18	0	1.1	18.9	0	0.04	None
GP-40	2/11/2021 10:21	0	0.2	20.1	0	0.03	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Compliance Probes**  
**February 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-41A	2/11/2021 10:26	0	0.2	21	0		None
GP-41B	2/11/2021 10:27	0	0.2	20.9	0		None
GP-41C	2/11/2021 10:29	0	0.2	21	0		None
GP-42A	2/11/2021 10:33	0	0.2	21	0		H2O
GP-42B	2/11/2021 10:35	0	0.6	19.6	0		None
GP-43A	2/11/2021 10:45	0	0.2	21	0	0.21	None
GP-43B	2/11/2021 10:46	0	0.2	21	0		None
GP-43C	2/11/2021 10:47	0	0.2	21	0		None
GP-44A	2/11/2021 10:54	0	0.2	21	0		None
GP-44B	2/11/2021 10:55	0	1.1	9.2	0		None
GP-44C	2/11/2021 10:57	0	0.2	21	0		None
GP-45D	2/11/2021 14:53	0	0.3	21	0		None
GP-45I	2/11/2021 14:52	0	0.3	21	0		None
GP-45S	2/11/2021 14:51	0	0.3	21	0		None

**CEDAR HILLS REGIONAL LANDFILL**

**Landfill Gas Compliance Probes**

**March 2021 Monitoring Data**

Location ID	Date/Time	CH4 [% Vol]	CO2 [% Vol]	O2 [% Vol]	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-1D	3/10/2021 9:43	0.0	0.5	16.4	0	-11.6	None
ATC-1S	3/10/2021 9:42	0.0	0.2	20.6	0	-0.04	None
ATC-6D	3/10/2021 11:02	0.0	1.0	1.9	0	2.06	None
ATC-6S	3/10/2021 11:00	0.0	0.2	19.8	0	-0.06	None
ATC-8D	3/10/2021 10:51	0.0	2.6	11.7	0	0.02	None
ATC-8S	3/10/2021 10:50	0.0	0.5	17.3	0	-0.59	None
GP-11A	3/10/2021 9:20	0.0	0.9	19.8	0	0.02	None
GP-11B	3/10/2021 9:21	0.0	0.8	11.4	0	0.03	None
GP-11C	3/10/2021 9:23	0.0	0.3	8.8	0	-0.11	None
GP-11D	3/10/2021 9:24	0.0	0.2	20.6	0	0.34	None
GP-12A	3/10/2021 9:58	0.0	0.2	21.0	0	-0.04	None
GP-12B	3/10/2021 9:59	0.0	0.2	21.0	0	-0.03	None
GP-12C	3/10/2021 10:00	0.0	0.3	18.3	0	-15.6	None
GP-12D	3/10/2021 10:01	0.0	0.7	6.6	0	0.72	None
GP-13A	3/10/2021 9:48	0.0	0.2	20.7	0	-0.08	None
GP-13B	3/10/2021 9:49	0.0	0.2	20.7	0	0.01	None
GP-13C	3/10/2021 9:51	0.0	0.2	20.9	0	0	None
GP-13D	3/10/2021 9:52	0.0	0.2	20.9	0	0.01	None
GP-14A	3/10/2021 10:08	0.0	0.2	18.4	0	-0.02	None
GP-14B	3/10/2021 10:09	0.0	0.2	21.0	0	-0.11	None
GP-15A	3/10/2021 10:35	0.0	0.3	20.3	0	-0.05	None
GP-15C	3/10/2021 10:36	0.0	0.9	16.9	0	-0.04	None
GP-15D	3/10/2021 10:37	0.0	0.2	20.1	0	-1.92	None
GP-16A	3/10/2021 10:54	0.0	0.2	19.6	0	0.04	None
GP-16B	3/10/2021 10:55	0.0	0.3	18.3	0	-0.08	None
GP-16C	3/10/2021 10:57	0.0	0.4	18.3	0	0.15	None
GP-17A	3/10/2021 13:11	0.0	0.2	19.0	0	-10.07	None
GP-17B	3/10/2021 13:12	0.0	0.9	15.5	0	0.19	None
GP-17C	3/10/2021 13:13	0.0	0.2	19.1	0	0.25	None
GP-18A	3/10/2021 13:16	0.0	0.3	19.2	0	-5.69	None
GP-18B	3/10/2021 13:17	0.0	0.4	12.8	0	0.05	None
GP-18C	3/10/2021 13:19	0.0	0.3	15.3	0	0.34	None
GP-19A	3/10/2021 13:22	0.0	0.1	19.7	0	0	None
GP-19B	3/10/2021 13:23	0.0	0.7	14.9	0	0	None
GP-19C	3/10/2021 13:25	0.0	0.1	19.7	0	-0.03	None
GP-20A	3/10/2021 13:28	0.0	0.1	19.9	0	0.76	None
GP-20B	3/10/2021 13:29	0.0	0.4	12.8	0	-0.03	None
GP-20C	3/10/2021 13:30	0.0	0.3	14.6	0	-0.18	None
GP-21A	3/10/2021 13:33	0.0	0.2	19.9	0	-0.11	None
GP-21B	3/10/2021 13:34	0.0	0.2	8.8	0	-0.14	None
GP-21C	3/10/2021 13:35	0.0	0.2	11.4	0	-1.86	None

# CEDAR HILLS REGIONAL LANDFILL

## Landfill Gas Compliance Probes

### March 2021 Monitoring Data

Location ID	Date/Time	CH4 [% Vol]	CO2 [% Vol]	O2 [% Vol]	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
GP-22A	3/10/2021 13:39	0.0	0.3	19.9	0	-13.14	None
GP-22C	3/10/2021 13:40	0.0	0.8	2.5	0	0.38	None
GP-23A	3/10/2021 13:46	0.0	0.1	19.9	0	0.02	None
GP-23B	3/10/2021 13:47	0.0	0.1	20.1	0	-2.82	None
GP-23C	3/10/2021 13:48	0.0	0.1	20.2	0	-1.56	None
GP-24A	3/10/2021 13:54	0.0	4.8	7.8	0	0.04	None
GP-24B	3/10/2021 13:55	0.0	0.6	17.9	0	0.01	None
GP-25	3/10/2021 13:58	0.0	2.2	16.3	0	0.05	None
GP-26	3/10/2021 14:03	0.0	1.0	17.8	0	0.02	None
GP-27	3/10/2021 14:07	0.0	6.6	8.5	0	0.06	None
GP-29A	3/10/2021 14:12	0.0	4.0	12.9	0	0.08	None
GP-29B	3/10/2021 14:14	0.0	0.9	19.5	0	0.06	None
GP-30A	3/10/2021 7:26	0.0	2.3	18.1	0	0.46	None
GP-30B	3/10/2021 7:28	0.0	0.9	19.7	0	-0.62	None
GP-31A	3/10/2021 7:32	0.0	0.2	20.5	0	-16.42	None
GP-31B	3/10/2021 7:34	0.0	0.5	15.2	0	0.59	None
GP-31C	3/10/2021 7:36	0.0	0.3	20.5	0	-2.62	None
GP-32A	3/10/2021 7:39	0.0	0.9	18.9	0	-0.01	None
GP-32B	3/10/2021 7:41	0.0	0.3	20.8	0	-0.02	None
GP-32C	3/10/2021 7:43	0.0	0.4	20.8	0	-0.01	None
GP-33A	3/10/2021 8:01	0.0	0.3	20.2	0	-0.01	None
GP-33B	3/10/2021 8:03	0.0	0.2	20.1	0	0	None
GP-33C	3/10/2021 8:05	0.0	0.2	20.3	0	-0.89	None
GP-34A	3/10/2021 8:07	0.0	0.2	20.3	0	13.8	None
GP-34B	3/10/2021 8:09	0.0	0.5	14.5	0	0.03	None
GP-34C	3/10/2021 8:10	0.0	0.2	11.3	0	0.04	None
GP-35A	3/10/2021 8:14	0.0	2.0	18.7	0	-4.91	None
GP-35B	3/10/2021 8:16	0.0	0.2	20.5	0	-0.05	None
GP-35C	3/10/2021 8:17	0.0	0.2	19.2	0	0.01	None
GP-36A	3/10/2021 8:21	0.0	0.3	17.4	0	0.02	None
GP-36B	3/10/2021 8:22	0.0	0.3	16.0	0	0.01	None
GP-36C	3/10/2021 8:23	0.0	0.7	13.8	0	0.82	None
GP-37A	3/10/2021 8:27	0.0	0.4	15.2	0	-0.6	None
GP-37B	3/10/2021 8:28	0.0	0.3	20.8	0	-0.53	None
GP-37C	3/10/2021 8:30	0.0	0.8	1.8	0	0.55	None
GP-39	3/10/2021 8:39	0.0	1.5	17.4	0	-0.25	None
GP-40	3/10/2021 8:44	0.0	0.2	19.1	0	-0.03	None
GP-41A	3/10/2021 8:48	0.0	0.2	21.0	0	0	None
GP-41B	3/10/2021 8:49	0.0	0.2	21.0	0	0.15	None
GP-41C	3/10/2021 8:50	0.0	0.2	21.0	0	0	None
GP-42A	3/10/2021 8:54	0.0	0.2	21.0	0	-8.14	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Compliance Probes**  
**March 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 [% Vol]</b>	<b>CO2 [% Vol]</b>	<b>O2 [% Vol]</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-42B	3/10/2021 8:55	0.0	0.9	16.7	0	-0.12	None
GP-43A	3/10/2021 8:58	0.0	0.7	16.5	0	-0.91	None
GP-43B	3/10/2021 8:59	0.0	0.2	21.0	0	-0.27	None
GP-43C	3/10/2021 9:01	0.0	0.3	17.7	0	-0.04	None
GP-44A	3/10/2021 9:06	0.0	0.2	21.0	0	-0.1	None
GP-44B	3/10/2021 9:08	0.0	1.1	8.7	0	0.57	None
GP-44C	3/10/2021 9:09	0.0	0.2	21.0	0	-0.06	None
GP-45D	3/10/2021 9:18	0.0	0.2	19.1	0	0.52	None
GP-45I	3/10/2021 9:17	0.0	0.2	17.4	0	0.04	None
GP-45S	3/10/2021 9:16	0.0	0.2	20.6	0	-0.02	None

## Interior Probes





**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**January 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-03D	1/13/2021 12:44	0	2.8	17.9	0	-2.51	H2O
ATC-03S	1/13/2021 12:42	0	1.7	11.8	0	-5.34	None
GP-1A	1/13/2021 23:10	0.0	0.1	21.0	0.0	0.01	None
GP-1B	1/13/2021 23:11	0.0	0.1	21.0	0.0	-0.02	None
GP-2A	1/13/2021 23:28	0.0	1.8	19.0	0.0	-0.01	None
GP-2B	1/13/2021 23:30	0.0	0.2	21.0	0.0	-0.04	None
GP-3	1/13/2021 23:42	0.0	0.4	21.0	0.0	-0.04	None
GP-46D	1/13/2021 23:49	0.0	0.1	21.0	0.0	-5.11	None
GP-46I	1/13/2021 23:47	0.0	0.1	21.0	0.0	1.71	None
GP-46S	1/13/2021 23:46	0.0	0.1	21.0	0.0	0.9	None
GP-47D	1/13/2021 15:25	0.4	0.6	10	8	9.03	None
GP-47I	1/13/2021 15:24	51.9	22.7	0.3	>>>>	-6.73	None
GP-47S	1/13/2021 15:22	0	0.1	20.6	0	-6.89	None
GP-48D	1/13/2021 23:56	0.0	0.1	21.0	0.0	-6.04	None
GP-48I	1/13/2021 23:54	0.0	0.3	20.9	0.0	0.04	None
GP-48S	1/13/2021 23:53	0.0	0.1	21.0	0.0	0.01	None
GP-4A	1/13/2021 23:32	0.0	0.1	21.0	0.0	-0.04	None
GP-4B	1/13/2021 23:34	0.0	0.1	21.0	0.0	-0.01	None
GP-52	1/13/2021 11:15	0.2	0.2	20.1	4	-0.07	Blocked
GP-53	1/13/2021 11:17	0.7	1.2	16.9	14	-0.58	None
GP-54	1/13/2021 11:18	0.2	0.1	20.4	4	-0.18	None
GP-55	1/13/2021 22:59	0.0	0.5	21.0	0.0	-0.48	None
GP-56	1/13/2021 23:00	0.0	0.9	21.0	0.0	0.05	None
GP-57	1/13/2021 22:53	28.8	15.6	8.2	>>>>	-16.2	None
GP-58	1/13/2021 22:55	0.2	21	2	4	21.65	None
GP-59	1/13/2021 22:49	0	0.1	21	0	-2.56	None
GP-5A	1/13/2021 12:32	0	0.4	14.4	0	-5.44	None
GP-5BA	1/13/2021 12:34	0.0	0.5	19.1	0.0	-0.05	None
GP-5BB	1/13/2021 12:35	0.0	0.1	20.4	0.0	-5.44	None
GP-5BC	1/13/2021 12:37	0.0	0.1	20.4	0.0	-5.37	None
GP-5BD	1/13/2021 12:38	0	0.1	20.5	0	-5.82	None
GP-60	1/13/2021 22:51	0	0.1	21	0	0.05	None
GP-61	1/13/2021 22:38	0	0.1	20.8	0	-5.24	None
GP-62	1/13/2021 22:40	1	7.5	11.8	20	0.03	None
GP-6A	1/13/2021 23:14	0	0.1	21	0	-7.08	None
GP-6B	1/13/2021 23:16	0	0.1	21	0	-6.68	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**January 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 (% Vol)</b>	<b>CO2 (% Vol)</b>	<b>O2 (% Vol)</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-6C	1/13/2021 23:17	0	0.1	21	0	-6.62	None
GP-6D	1/13/2021 23:19	0	0.1	21	0	-7.49	None
GP-6E	1/13/2021 23:20	0	0.1	21	0	-6.65	None
GP-6F	1/13/2021 23:22	0	0.1	21	0	-4.65	None
GP-6G	1/13/2021 23:24	0	0.1	21	0	-6.68	None
GP-6H	1/13/2021 23:25	0.0	0.1	21.0	0.0	-7.53	None
GP-7	1/13/2021 23:08	0.0	0.1	21.0	0.0	-7.32	None
GP-8	1/13/2021 23:03	0.0	0.1	21.0	0.0	-7.18	None
GP-9	1/13/2021 22:44	0.0	0.1	21.0	0.0	-7.28	None
GP-B4-1	1/13/2021 23:38	0.0	3.1	17.7	0.0	-7.88	None
GP-B4-2	1/13/2021 23:40	0.0	0.1	21.0	0.0	-5.89	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**February 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	2/11/2021 13:28	0.0	0.2	21.0	0.0	-0.18	None
ATC-3S	2/11/2021 13:27	0.0	1.8	11.7	0.0	-0.06	None
GP-1A	2/10/2021 21:39	0.0	0.1	21.0	0	0.07	None
GP-1B	2/10/2021 21:41	0.0	0.1	21.0	0	0.06	None
GP-2A	2/10/2021 22:05	0.0	2.6	19.5	0	-0.06	None
GP-2B	2/10/2021 22:07	0.0	0.1	21.0	0	-0.05	None
GP-3	2/10/2021 22:29	0.0	0.7	21.0	0	-0.02	None
GP-46D	2/10/2021 22:38	0.0	0.1	21.0	0	-0.73	None
GP-46I	2/10/2021 22:36	0.0	0.1	21.0	0	-0.66	None
GP-46S	2/10/2021 22:34	0.0	0.2	19.8	0	-0.13	None
GP-47D	2/11/2021 14:41	0.0	1.1	17.9	0.0	0.04	None
GP-47I	2/11/2021 14:40	60.3	22.8	0.1	>>>>>	1.16	None
GP-47S	2/11/2021 14:38	0.0	0.4	21.0	0.0	1.20	None
GP-48D	2/10/2021 22:49	0.0	0.1	21.0	0	-1.1	None
GP-48I	2/10/2021 22:48	0.0	0.3	21.0	0	-0.14	None
GP-48S	2/10/2021 22:46	0.0	0.3	20.3	0	-0.09	None
GP-4A	2/10/2021 22:15	0.0	0.1	21.0	0	-0.02	None
GP-4B	2/10/2021 22:17	0.0	0.2	21.0	0	0.01	None
GP-52	2/11/2021 11:14	0.0	0.3	21.0	0.0	-13.70	Blocked
GP-53	2/11/2021 11:16	0.0	1.6	17.1	0.0	0.03	None
GP-54	2/11/2021 11:17	0.0	0.2	21.0	0.0	0.00	None
GP-55	2/10/2021 21:21	0.0	0.2	21.0	0	-0.23	None
GP-56	2/10/2021 21:19	0.0	0.6	21.0	0	-0.01	None
GP-57	2/10/2021 21:13	36.5	17.7	9.8	>>>>	-10.91	None
GP-58	2/10/2021 21:10	0.0	19.5	2.3	0	-14.72	H2O
GP-59	2/10/2021 21:05	0.0	0.1	21.0	0	-0.22	None
GP-5A	2/11/2021 13:15	0.0	0.7	12.9	0.0	-0.13	None
GP-5BA	2/11/2021 13:17	0.0	0.4	20.9	0.0	-16.43	None
GP-5BB	2/11/2021 13:19	0.0	0.2	21.0	0.0	-0.18	None
GP-5BC	2/11/2021 13:20	0.0	0.2	21.0	0.0	-0.12	None
GP-5BD	2/11/2021 13:22	0.0	0.2	21.0	0.0	0.11	None
GP-60	2/10/2021 21:02	0.0	0.1	21.0	0	0.07	None
GP-61	2/10/2021 20:50	0.0	0.1	20.7	0	-0.64	None
GP-62	2/10/2021 20:48	0.0	6.0	16.5	0	0.04	None
GP-6A	2/10/2021 21:48	0.0	0.1	21.0	0	-1.83	None
GP-6B	2/10/2021 21:50	0.0	0.1	21.0	0	-1.13	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**February 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 (% Vol)</b>	<b>CO2 (% Vol)</b>	<b>O2 (% Vol)</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-6C	2/10/2021 21:51	0.0	0.1	21.0	0	-1.15	None
GP-6D	2/10/2021 21:53	0.0	0.1	21.0	0	-1.75	None
GP-6E	2/10/2021 21:55	0.0	0.1	21.0	0	-1.23	None
GP-6F	2/10/2021 21:57	0.0	0.1	21.0	0	-1.24	None
GP-6G	2/10/2021 21:58	0.1	0.1	21.0	2	-1.29	None
GP-6H	2/10/2021 22:00	0.1	0.1	21.0	2	-1.81	None
GP-7	2/10/2021 21:35	0.0	0.1	21.0	0	-1.07	None
GP-8	2/10/2021 21:30	0.0	0.1	21.0	0	-1.26	None
GP-9	2/10/2021 20:57	0.0	0.1	20.8	0	-1.35	None
GP-B4-1	2/10/2021 22:23	0.0	3.2	18.4	0	-1.93	None
GP-B4-2	2/10/2021 22:25	0.0	1.5	16.4	0	-0.94	None

**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**March 2021 Monitoring Data**

Location ID	Date/Time	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	Lower Explosive Limit (% LEL)	Static Pressure (in INWC)	Comments
ATC-3D	3/10/2021 10:27	0.0	0.9	20.1	0	-1.81	None
ATC-3S	3/10/2021 10:26	0.0	1.7	9.3	0	-1.32	None
GP-1A	3/10/2021 22:57	0.0	0.2	21.0	0.0	-0.05	None
GP-1B	3/10/2021 22:59	0.0	0.2	21.0	0.0	-0.01	None
GP-2A	3/10/2021 23:49	0.0	4.1	13.7	0.0	0.06	None
GP-2B	3/10/2021 23:51	0.0	0.2	21.0	0.0	0.07	None
GP-3	3/10/2021 23:28	0.0	6.6	10.2	0.0	-0.04	None
GP-46D	3/10/2021 23:34	0.0	0.2	21.0	0.0	-1.60	None
GP-46I	3/10/2021 23:32	16.0	2.0	0.7	>>>>	-0.03	None
GP-46S	3/10/2021 23:31	0.0	0.3	19.6	0.0	0.72	None
GP-47D	3/10/2021 11:19	0.1	1.0	17.3	2	0.01	None
GP-47I	3/10/2021 11:17	58.5	22.5	0.0	>>>>	0.41	None
GP-47S	3/10/2021 11:16	53.2	19.0	0.0	>>>>	0.56	None
GP-48D	3/10/2021 23:42	0.0	0.2	21.0	0.0	-0.80	None
GP-48I	3/10/2021 23:40	0.1	0.3	21.0	2.0	0.01	None
GP-48S	3/10/2021 23:38	0.1	0.6	19.1	2.0	-0.03	None
GP-4A	3/10/2021 23:20	0.0	0.2	21.0	0.0	-0.07	None
GP-4B	3/10/2021 23:22	0.0	0.2	21.0	0.0	-0.06	None
GP-52	3/10/2021 11:25	0.2	0.8	17.0	4	-19.98	None
GP-53	3/10/2021 11:27	0.2	1.2	16.8	4	0.02	None
GP-54	3/10/2021 11:24	0.0	2.5	15.5	0	0.03	None
GP-55	3/10/2021 22:47	0.7	1.1	20.8	14.0	-0.02	None
GP-56	3/10/2021 22:49	0.0	0.4	21.0	0.0	-0.03	None
GP-57	3/10/2021 22:42	28.1	15.0	9.1	>>>>	-11.54	None
GP-58	3/10/2021 22:44	0.1	2.8	20.2	2.0	-13.99	None
GP-59	3/10/2021 22:36	0.0	0.3	21.0	0.0	-0.50	None
GP-5A	3/10/2021 10:16	0.0	0.2	20.7	0	-0.05	None
GP-5BA	3/10/2021 10:18	0.0	0.4	20.1	0	-0.04	None
GP-5BB	3/10/2021 10:19	0.0	1.6	14.0	0	-0.43	None
GP-5BC	3/10/2021 10:21	0.0	1.3	13.8	0	-0.17	None
GP-5BD	3/10/2021 10:22	0.0	0.9	12.4	0	-0.09	None
GP-60	3/10/2021 22:38	0.0	0.2	21.0	0.0	-0.04	None
GP-61	3/10/2021 22:26	0.0	0.2	20.7	0.0	-0.63	None
GP-62	3/10/2021 22:28	0.0	4.2	17.7	0.0	0.02	None
GP-6A	3/10/2021 23:05	0.0	0.2	21.0	0.0	-1.15	None
GP-6B	3/10/2021 23:06	0.0	0.4	21.0	0.0	-1.49	None

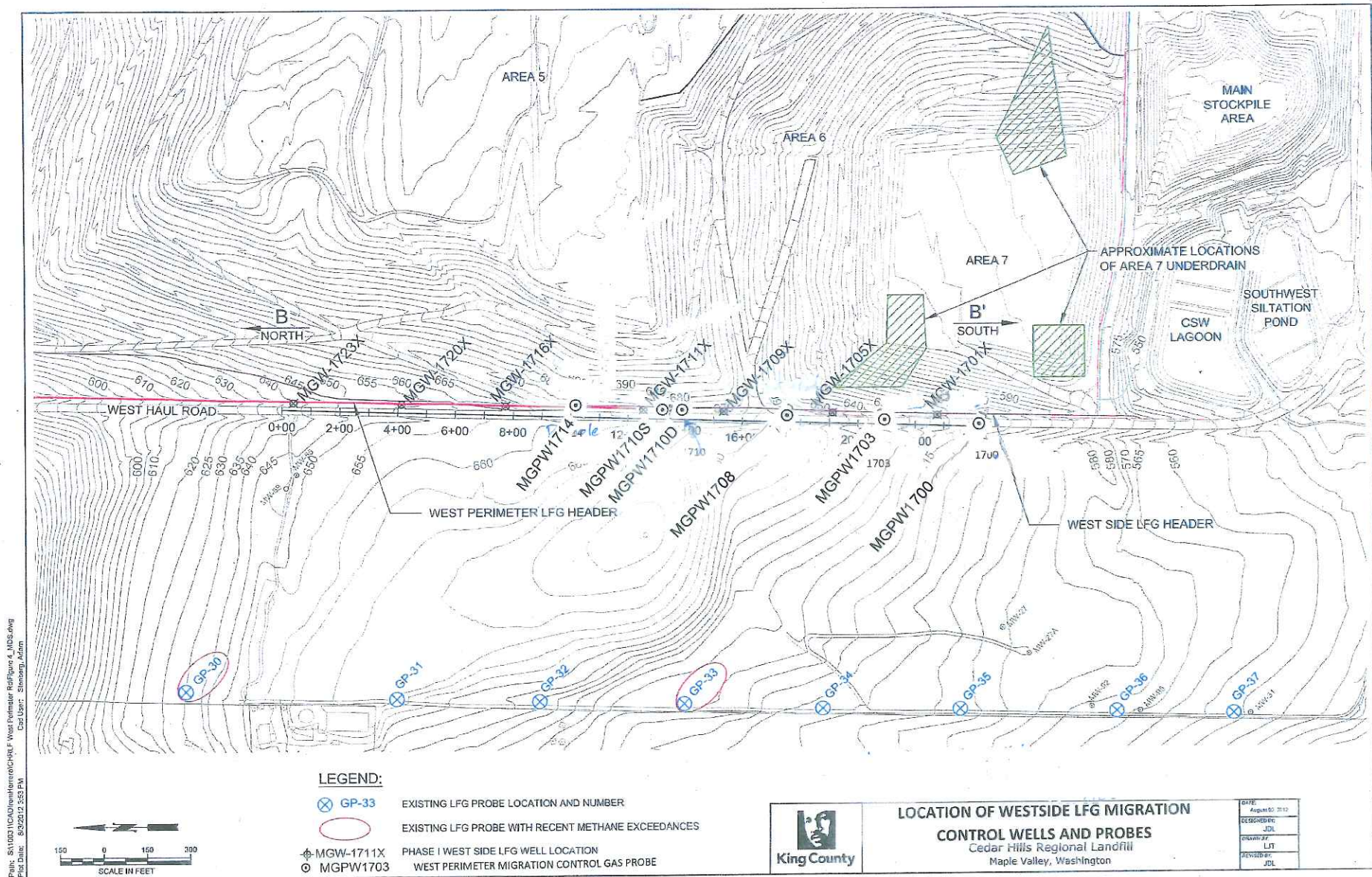
**CEDAR HILLS REGIONAL LANDFILL**  
**Landfill Gas Interior Probes**  
**March 2021 Monitoring Data**

<b>Location ID</b>	<b>Date/Time</b>	<b>CH4 (% Vol)</b>	<b>CO2 (% Vol)</b>	<b>O2 (% Vol)</b>	<b>Lower Explosive Limit (% LEL)</b>	<b>Static Pressure (in INWC)</b>	<b>Comments</b>
GP-6C	3/10/2021 23:08	0.0	0.4	20.5	0.0	-1.49	None
GP-6D	3/10/2021 23:09	0.0	0.2	21.0	0.0	-1.96	None
GP-6E	3/10/2021 23:11	0.0	1.0	16.2	0.0	-1.49	None
GP-6F	3/10/2021 23:12	0.0	0.8	17.6	0.0	-1.54	None
GP-6G	3/10/2021 23:14	0.0	0.2	21.0	0.0	-0.84	None
GP-6H	3/10/2021 23:16	0.0	0.2	21.0	0.0	-0.79	None
GP-7	3/10/2021 22:54	0.0	0.2	21.0	0.0	-1.68	None
GP-8	3/10/2021 22:51	0.0	0.2	21.0	0.0	-1.77	None
GP-9	3/10/2021 22:32	0.0	0.4	20.2	0.0	-1.71	None
GP-B4-1	3/10/2021 23:25	0.0	3.0	18.4	0.0	-2.44	None
GP-B4-2	3/10/2021 23:26	0.0	2.4	19.6	0.0	-1.61	None

## Migration Probes







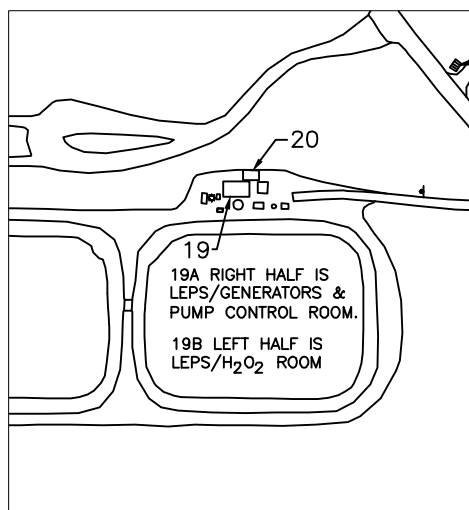
**CEDAR HILLS REGIONAL LANDFILL**  
**West Perimeter Landfill Gas Migration Control Probes**  
**First Quarter 2021 Monitoring Data**

Probe ID	Date	Time	Barometric		CH4 %vol	CO2 %vol	O2 %vol	Static	Comments
			Pressure in Hg					Pressure in INWC	
MGPW 1700	1/10/2021 0:00	12:28pm	30.1		0.0	0.1	21	0	
MGPW 1700	1/23/2021 0:00	12:10pm	30.0		0.0	0.7	19.40	-0.16	
MGPW 1700	2/11/2021 0:00	3:10pm	29.9		0.0	0.2	21.00	0.02	
MGPW 1700	2/24/2021 0:00	5:10pm	30.4		0.0	0.2	21.00	-0.02	
MGPW 1700	3/11/2021 0:00	4:10 PM	30.2		0.0	0.1	20.00	0.03	
MGPW 1700	3/19/2021 0:00	10:56 AM	29.9		0.0	0.2	20.30	-0.12	
MGPW 1708	1/10/2021 0:00	12:41pm	30.1		0.0	0.3	21.00	-1.49	
MGPW 1708	1/23/2021 0:00	12:13pm	30.0		0.0	0.5	19.5	-1.37	
MGPW 1708	2/11/2021 0:00	3:05pm	29.9		0.0	0.2	21	-0.35	
MGPW 1708	2/24/2021 0:00	5:05pm	30.4		0.0	0.2	21	-2.01	
MGPW 1708	3/11/2021 0:00	16:08	30.2		0.0	0.3	19.50	-2.12	
MGPW 1708	3/19/2021 0:00	10:30	29.9		0.0	0.4	19.70	-1.73	
MGPW 1710S	1/10/2021 0:00	12:49pm	30.1		0.0	0.2	20.90	-1.39	
MGPW 1710S	1/23/2021 0:00	12:16pm	30.0		0.0	0.3	20.4	-1.11	
MGPW 1710S	2/11/2021 0:00	2:55pm	29.9		0.0	0.3	21	-0.12	
MGPW 1710S	2/24/2021 0:00	4:59pm	30.4		0.0	0.1	21	-1.74	
MGPW 1710S	3/11/2021 0:00	4:15pm	30.2		0.0	0.1	20.60	-2.24	
MGPW 1710S	3/19/2021 0:00	10:37	29.9		0.0	0.2	20.70	-1.76	
MGPW 1710D	1/10/2021 0:00	12:46pm	30.1		0.0	0.2	20.80	-1.37	
MGPW 1710D	1/23/2021 0:00	12:19pm	30.0		0.0	0.3	20.4	-1.09	
MGPW 1710D	2/11/2021 0:00	3:00pm	29.9		0.0	0.2	21	-0.14	
MGPW 1710D	2/24/2021 0:00	4:55pm	30.4		0.0	0.2	20.9	-2.01	
MGPW 1710D	3/11/2021 0:00	16:20	30.2		0.0	0.2	20.2	-1.99	
MGPW 1710D	3/19/2021 0:00	10:36	29.9		0.0	0.2	20.5	-1.8	
MGPW 1714	1/10/2021 0:00	12:54pm	30.1		0.0	0.2	20.80	-1.47	
MGPW 1714	1/23/2021 0:00	12:22pm	30.0		0.0	0.4	19.90	-1.06	
MGPW 1714	2/11/2021 0:00	2:50pm	29.9		0.0	0.3	20.70	-0.22	
MGPW 1714	2/24/2021 0:00	4:45pm	30.4		0.0	0.2	20.90	-1.99	
MGPW 1714	3/11/2021 0:00	16:25	30.2		0.0	0.2	20.40	-1.96	
MGPW 1714	3/19/2021 0:00	10:42	29.9		0.0	0.3	20.50	-1.82	

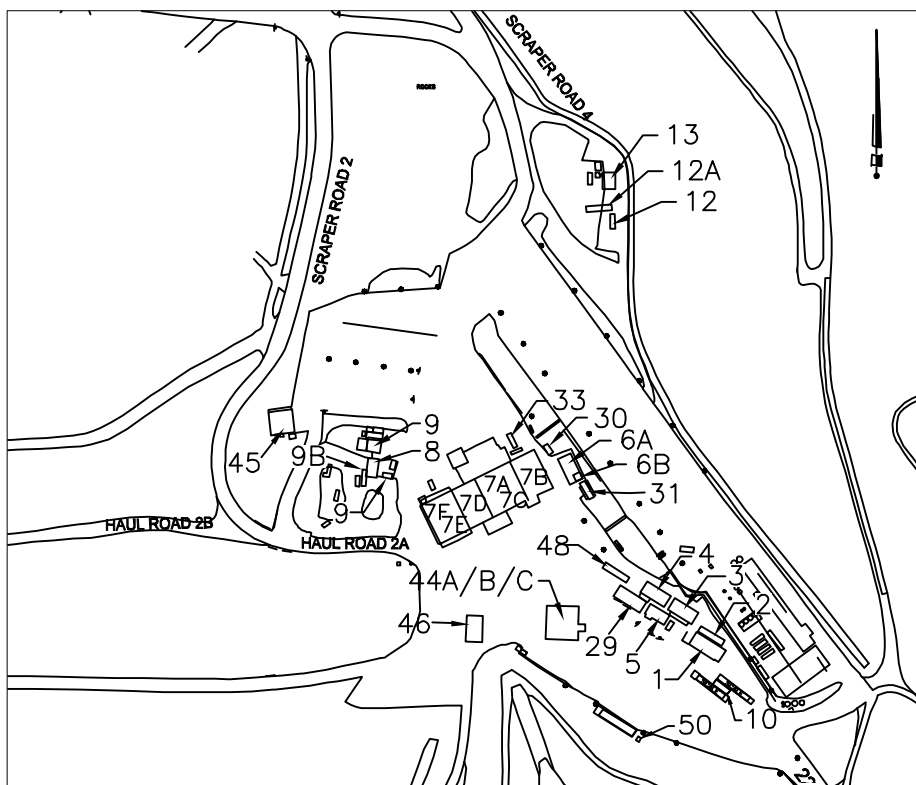
## On-Site Building Monitoring



## Aeration Ponds



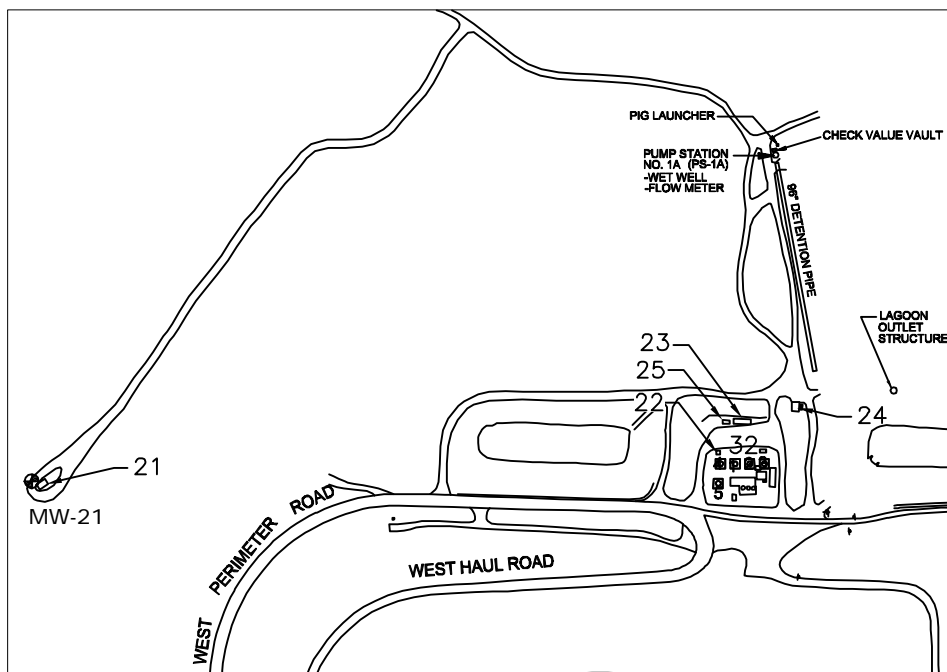
## Shop and Office Buildings



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 <sub>2</sub> O <sub>2</sub> 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  
1st Quarter 2021

## Landfill Gas Structure Monitoring Location


Environmental Monitoring Building  
Cedar Hills Regional Landfill, King County, Washington

DATE:  
February 2012  
DESIGNED BY:  
DRAWN BY:  
REVISED BY:

PROJECT NO.

FIGURE NO.

# FIRST QUARTER BUILDING MONITORING



INSTRUMENT: Place check by instrument used :

Foxboro TVA 2020

SEM 5000

x

WEATHER:

cloudy

DATE:

01/27/21

TECH:

LD

ENVIS ID	BLDG #	DESCRIPTION	CH <sub>4</sub> (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME
GOC- 01/27/21	1	FRONT OFFICE			29.57	10:45pm
GCR- 01/27/21	2	CONF ROOM				
GAO- 01/27/21	3	PAYROLL OFFICE				
GEO- 01/27/21	4	ENGR. OFFICE				
GLRC- 01/27/21	5	LUNCHROOM				
GSPC 01/27/21		SPOC				
GELO- 01/27/21	A 6A	DRY STORAGE				
GELO- 01/27/21	B 6B	ELECTRICIAN OFFICE				
GAP- 01/27/21		ACCOUNT PAYABLE				
GSO- 01/27/21	A 7A	SHOP OFFICE				
GPR- 01/27/21	B 7B	PARTS ROOM				
GMS- 01/27/21	C 7C	SHOP PIT AREA/BAY				
GTB- 01/27/21	D 7D	SHOP TIRE BAY				
GEW- 01/27/21	E 7E	EAST WELD SHOP				
GWW- 01/27/21	F 7F	WEST WELD SHOP				
GCS- 01/27/21	8	CARPENTER'S				
GSS- 01/27/21	9	WASTEWATER				
GSS- 01/27/21	B 9B	CARPENTER/STORAGE	NA	building removed		
GSH- 01/27/21	10	SCALEHOUSE				
GB13- 01/27/21	13	WW COMPRESSOR				
GB16- 01/27/21	16	GENERATOR				
GB19- 01/27/21	19	LEPS (P.S.# 5)	NA	High Voltage Area		
GB19- 01/27/21	B 19B	LEPS/H2O2 ROOM	NA	High Voltage Area		
GB20- 01/27/21	20	LEPS ELEC PANALS	NA	High Voltage Area		
GB21- 01/27/21	21	STORAGE(OLD PS 1)				
GB22- 01/27/21	22	STORAGE/N FLARE				
GB23- 01/27/21	23	LFGAS				
GB24- 01/27/21	24	NE GENERATOR BLDG				
GBWW- 01/27/21	30	WOMEN BRK RM				
GPWT- 01/27/21	PW	PRESSURE WASH RM				
GBRR- 01/27/21	RR	TRUCKWASH RR W				
GBSS- 01/27/21	SS	TRUCKWASH RR E				
GBZZ- 01/27/21	29	MANAGERS TRAILER				
GBPT- 01/27/21		CCG FASTER				
GCLS- 01/27/21		CHLORINE SHED				

## Data Qualifiers



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

<b>QUAL</b>	<b>QUALIFIER DESCRIPTION</b>
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**

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/1/21 0:00	4.374	167.1	26.42	6.647	29.22	0
1/1/21 0:15	4.206	135.6	18.97	7.167	29.22	0
1/1/21 0:30	4.962	118.9	10.69	7.321	29.22	0
1/1/21 0:45	5.968	124	8.84	7.312	29.22	0
1/1/21 1:00	5.517	137.8	13.1	7.679	29.22	0
1/1/21 1:15	4.818	154	14.14	7.687	29.22	0
1/1/21 1:30	4.99	184.9	21.65	6.941	29.22	0
1/1/21 1:45	3.187	71.7	42.07	6.78	29.22	0
1/1/21 2:00	3.841	51.79	13.51	6.482	29.18	0
1/1/21 2:15	4.038	75.65	29.03	6.595	29.18	0.01
1/1/21 2:30	4.169	140.1	19.78	6.714	29.18	0
1/1/21 2:45	5.406	178.9	18.31	7.039	29.18	0
1/1/21 3:00	5.238	159.7	20.1	6.986	29.17	0
1/1/21 3:15	4.569	132.3	8.52	6.849	29.17	0
1/1/21 3:30	6.63	136.7	8.18	6.735	29.17	0
1/1/21 3:45	7.981	133.1	7.985	6.722	29.17	0.01
1/1/21 4:00	7.848	136.5	7.869	6.674	29.15	0.01
1/1/21 4:15	7.852	135.2	8.92	6.577	29.15	0
1/1/21 4:30	7.604	134.3	9.44	6.671	29.15	0
1/1/21 4:45	7.897	130.1	10.22	6.823	29.15	0.01
1/1/21 5:00	7.408	126.3	10.29	6.887	29.13	0.01
1/1/21 5:15	7.895	131.4	8.97	6.954	29.13	0.01
1/1/21 5:30	8.75	120.4	10.18	6.968	29.13	0
1/1/21 5:45	9.49	115.5	9.39	7.193	29.13	0
1/1/21 6:00	8.46	106	10.31	7.396	29.12	0.01
1/1/21 6:15	9.44	118.7	11.52	7.802	29.12	0
1/1/21 6:30	8.44	129.1	13.25	8.01	29.12	0.01
1/1/21 6:45	7.662	145.9	9.88	7.889	29.12	0
1/1/21 7:00	6.642	128.5	14.51	7.773	29.1	0
1/1/21 7:15	4.901	120.8	12.58	7.795	29.1	0
1/1/21 7:30	5.214	106.1	13.87	7.818	29.1	0
1/1/21 7:45	6.426	102.7	12.85	7.862	29.1	0.01
1/1/21 8:00	5.687	105.7	15.39	8.04	29.08	0
1/1/21 8:15	7.409	131.4	12.68	8.32	29.08	0
1/1/21 8:30	8.17	136.5	13.13	8.53	29.08	0
1/1/21 8:45	8.33	137.4	16.52	8.69	29.08	0
1/1/21 9:00	10.43	134.6	10.95	8.83	29.08	0
1/1/21 9:15	10.2	127.8	9.55	8.84	29.08	0
1/1/21 9:30	10.79	121.1	8.79	9.28	29.08	0
1/1/21 9:45	10.21	132.8	10.57	9.27	29.08	0
1/1/21 10:00	11.04	130.3	9.92	9.03	29.07	0
1/1/21 10:15	11.35	134.4	10.8	9	29.07	0
1/1/21 10:30	11.07	124.8	9.77	9.31	29.07	0
1/1/21 10:45	12.25	123.4	9.24	9.55	29.07	0
1/1/21 11:00	12.17	128.3	9.42	9.31	29.02	0
1/1/21 11:15	12.17	125.5	10.23	9.31	29.02	0
1/1/21 11:30	12.03	131.2	11.75	9.4	29.02	0
1/1/21 11:45	11.28	131.4	10.71	9.64	29.02	0
1/1/21 12:00	9.71	138.3	11.11	9.8	28.98	0
1/1/21 12:15	8.98	139.3	13.02	9.7	28.98	0
1/1/21 12:30	11.27	126.9	10.47	9.94	28.98	0
1/1/21 12:45	11.37	123.4	10.7	10.09	28.98	0
1/1/21 13:00	12.34	120.3	8.93	10.41	28.89	0
1/1/21 13:15	12.32	126.2	10.95	10.59	28.89	0
1/1/21 13:30	13.09	131.1	11.31	10.37	28.89	0
1/1/21 13:45	13.8	122.6	9.38	10.73	28.89	0
1/1/21 14:00	11.93	125.8	9.8	10.93	28.86	0
1/1/21 14:15	12.58	138.3	11.55	10.85	28.86	0
1/1/21 14:30	9.84	139.8	11.22	10.35	28.86	0
1/1/21 14:45	9.66	141.2	10.79	10.23	28.86	0
1/1/21 15:00	7.697	146.8	14.33	9.87	28.86	0
1/1/21 15:15	11.57	213.2	32.05	9.5	28.86	0.01
1/1/21 15:30	11.09	234.7	21.57	9.27	28.86	0.05
1/1/21 15:45	19.77	213	9.31	9.66	28.86	0.04
1/1/21 16:00	15.6	208.1	8.74	9.56	28.92	0.02
1/1/21 16:15	12.54	192.7	10.04	9.46	28.92	0.02
1/1/21 16:30	10.87	181.2	10.98	9.26	28.92	0.02
1/1/21 16:45	11.13	184	10.54	9.13	28.92	0.02
1/1/21 17:00	12.88	188.7	8.55	8.91	28.96	0.02
1/1/21 17:15	11.65	181.7	8.81	8.69	28.96	0.02

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/1/21 17:30	10.41	169.6	8.4	8.57	28.96	0.02
1/1/21 17:45	11.72	164.6	8.36	8.53	28.96	0.01
1/1/21 18:00	11.19	169.8	8.03	8.37	28.96	0.01
1/1/21 18:15	12.2	170.7	8.72	8.24	28.96	0.02
1/1/21 18:30	11.14	178.5	8.88	8.07	28.96	0.02
1/1/21 18:45	10.79	179.8	8.82	7.931	28.96	0.01
1/1/21 19:00	11.71	168.6	7.716	7.937	28.99	0.01
1/1/21 19:15	9.66	170.4	8.7	7.903	28.99	0
1/1/21 19:30	10.4	163.1	11.63	7.972	28.99	0
1/1/21 19:45	8.9	167.5	10.5	7.905	28.99	0
1/1/21 20:00	6.758	142.7	9.62	7.849	29.01	0
1/1/21 20:15	7.335	160.5	13.51	8.02	29.01	0
1/1/21 20:30	7.161	170.7	9.71	7.964	29.01	0.02
1/1/21 20:45	7.385	175.2	9.59	7.926	29.01	0.02
1/1/21 21:00	5.56	171.4	11.02	7.871	29.02	0.02
1/1/21 21:15	5.49	155.4	14.7	7.68	29.02	0
1/1/21 21:30	9.5	150.8	5.958	7.62	29.02	0
1/1/21 21:45	11.27	166.9	10.28	7.926	29.02	0
1/1/21 22:00	10.82	170.3	7.743	7.917	29	0
1/1/21 22:15	9.45	169.3	8.48	7.9	29	0
1/1/21 22:30	9.64	168	6.725	7.887	29	0
1/1/21 22:45	9.01	154.2	8.82	7.777	29	0
1/1/21 23:00	9.74	153.9	7.386	7.899	29.02	0
1/1/21 23:15	9.4	148.8	7.265	7.836	29.02	0
1/1/21 23:30	10.48	150.2	7.519	7.863	29.02	0
1/1/21 23:45	10.26	149	7.418	7.777	29.02	0
1/2/21 0:00	10.39	151.6	8.54	7.839	29.04	0
1/2/21 0:15	10.01	165.4	7.051	7.883	29.04	0
1/2/21 0:30	11.49	165.8	9.88	8.11	29.04	0
1/2/21 0:45	11.67	160.4	8.81	8.06	29.04	0
1/2/21 1:00	11.2	166.8	9.68	8.03	29.04	0
1/2/21 1:15	9.35	168	8.92	7.968	29.04	0
1/2/21 1:30	10.08	170.5	10.56	8.05	29.04	0
1/2/21 1:45	10.59	175.9	6.681	8.15	29.04	0
1/2/21 2:00	10.83	175.6	8.08	8.25	29.04	0
1/2/21 2:15	8.78	169.6	10	8.19	29.04	0
1/2/21 2:30	9.08	163.1	7.975	8.11	29.04	0
1/2/21 2:45	10.53	174.7	8.79	8.2	29.04	0
1/2/21 3:00	11.73	172.8	10.81	8.14	29.04	0
1/2/21 3:15	13.96	174.9	8.87	8.13	29.04	0
1/2/21 3:30	13.55	179.6	8.22	7.874	29.04	0
1/2/21 3:45	12.08	179.6	8.07	7.816	29.04	0
1/2/21 4:00	12.5	172.2	8.93	7.863	29.03	0
1/2/21 4:15	10.72	176.1	8.53	7.835	29.03	0
1/2/21 4:30	11.28	179.1	8.4	7.711	29.03	0.01
1/2/21 4:45	9.68	164	9.63	7.707	29.03	0
1/2/21 5:00	11.86	157.6	7.051	7.946	29.04	0
1/2/21 5:15	12.83	174.1	10.36	8.14	29.04	0
1/2/21 5:30	14.52	177	8.23	8.27	29.04	0
1/2/21 5:45	14.22	177.7	8.75	8.37	29.04	0
1/2/21 6:00	14	174.7	8.45	8.49	29.05	0
1/2/21 6:15	13.42	175.1	7.421	8.64	29.05	0
1/2/21 6:30	11.4	173.4	8.03	8.52	29.05	0
1/2/21 6:45	11.87	168	9.93	8.31	29.05	0.01
1/2/21 7:00	12.01	167.2	9.96	8.02	29.06	0.01
1/2/21 7:15	12.74	159.7	8.31	7.776	29.06	0.01
1/2/21 7:30	10.65	151.2	5.895	7.492	29.06	0.01
1/2/21 7:45	9.3	146.4	4.89	7.284	29.06	0.02
1/2/21 8:00	13.44	155.1	7.131	7.353	29.02	0.01
1/2/21 8:15	16.2	158	6.219	7.201	29.02	0.02
1/2/21 8:30	13.95	155.6	11.61	7.176	29.02	0.01
1/2/21 8:45	13.35	159.9	7.998	7.198	29.02	0.02
1/2/21 9:00	10.45	159	7.374	7.013	29.04	0.01
1/2/21 9:15	9.86	148.5	9.14	6.925	29.04	0.01
1/2/21 9:30	9.85	144.5	7.654	6.985	29.04	0.01
1/2/21 9:45	10.2	147.2	6.419	7.022	29.04	0
1/2/21 10:00	10.34	149.2	6.154	7.078	29.03	0.01
1/2/21 10:15	9.88	148.7	7.132	7.078	29.03	0.01
1/2/21 10:30	9.82	152	8.12	7.031	29.03	0.01
1/2/21 10:45	9.28	153.7	6.2	7.021	29.03	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/2/21 11:00	7.972	141.9	7.832	7.152	28.99	0.02
1/2/21 11:15	10.19	147.1	7.409	7.379	28.99	0.02
1/2/21 11:30	11.08	145.8	7.455	7.446	28.99	0.02
1/2/21 11:45	11.34	145.6	7.126	7.517	28.99	0.02
1/2/21 12:00	11.98	150.1	7.936	7.651	28.95	0
1/2/21 12:15	12.12	156.2	6.888	7.766	28.95	0.01
1/2/21 12:30	13.87	158.1	11.51	7.934	28.95	0.01
1/2/21 12:45	13.18	169	10.64	8.22	28.95	0
1/2/21 13:00	13.65	168.9	9.64	8.23	28.93	0.01
1/2/21 13:15	13.94	169.6	7.931	8.25	28.93	0.01
1/2/21 13:30	13.13	167.8	10.1	8.16	28.93	0.01
1/2/21 13:45	13.06	167.8	9.56	8.27	28.93	0.01
1/2/21 14:00	13.78	167.3	9.09	8.3	28.89	0.01
1/2/21 14:15	14.72	174	8.51	8.25	28.89	0.01
1/2/21 14:30	15.27	176.3	9.21	8.25	28.89	0.01
1/2/21 14:45	16.42	175.5	8.79	8.27	28.89	0.02
1/2/21 15:00	15.92	170.4	8.18	8.16	28.88	0.02
1/2/21 15:15	17.28	166.6	8.57	8.15	28.88	0.03
1/2/21 15:30	16.77	162.2	9.21	8.01	28.88	0.02
1/2/21 15:45	16.08	155.5	6.865	7.83	28.88	0.02
1/2/21 16:00	16.79	157.2	7.467	7.841	28.88	0.02
1/2/21 16:15	18.19	157.5	8.89	7.874	28.88	0.02
1/2/21 16:30	18.95	155.1	7.716	7.803	28.88	0.03
1/2/21 16:45	17.49	153.3	7.801	7.774	28.88	0.02
1/2/21 17:00	16.17	151.7	9.12	7.754	28.87	0.02
1/2/21 17:15	15.46	152.4	8.13	7.681	28.87	0.01
1/2/21 17:30	16.01	157.4	9.25	7.77	28.87	0.02
1/2/21 17:45	15.17	158.8	8.33	7.737	28.87	0.02
1/2/21 18:00	15.25	156.9	7.595	7.736	28.82	0.02
1/2/21 18:15	15.23	154.5	8.85	7.713	28.82	0.02
1/2/21 18:30	16.48	148.7	8.7	7.745	28.82	0.02
1/2/21 18:45	16.99	152.2	8.76	7.804	28.82	0.02
1/2/21 19:00	17.91	154.6	8.44	7.863	28.81	0.01
1/2/21 19:15	17.47	157.9	7.314	7.92	28.81	0.02
1/2/21 19:30	16.53	166.7	9.31	7.995	28.81	0.02
1/2/21 19:45	12.8	168.7	9.13	7.808	28.81	0.04
1/2/21 20:00	13.57	173.1	9.94	7.801	28.83	0.03
1/2/21 20:15	14.67	170.7	11.2	7.758	28.83	0.02
1/2/21 20:30	15.09	154.4	9.21	7.644	28.83	0.02
1/2/21 20:45	14.35	151.8	11.6	7.589	28.83	0.02
1/2/21 21:00	9.24	242.5	18.1	7.513	28.83	0.05
1/2/21 21:15	8.9	225.3	10.98	7.581	28.83	0.05
1/2/21 21:30	7.601	221.1	21.56	7.32	28.83	0.04
1/2/21 21:45	7.134	224.1	17.15	7.083	28.83	0.03
1/2/21 22:00	6.208	237	10.59	6.894	28.83	0.04
1/2/21 22:15	5.903	239.7	11.21	6.7	28.83	0.05
1/2/21 22:30	4.369	235.9	8.26	6.532	28.83	0.04
1/2/21 22:45	3.273	247.5	11.91	6.412	28.83	0.04
1/2/21 23:00	1.947	265	22.18	6.337	28.87	0.04
1/2/21 23:15	4.152	28.02	46.35	5.805	28.87	0.05
1/2/21 23:30	8.85	15.26	28.06	4.309	28.87	0.07
1/2/21 23:45	11.22	18.74	12.77	2.741	28.87	0.05
1/3/21 0:00	12.61	25.07	10.21	2.253	28.87	0.06
1/3/21 0:15	11.01	28.46	12.51	2.027	28.87	0.05
1/3/21 0:30	8.43	31.7	11.79	1.832	28.87	0.05
1/3/21 0:45	6.464	48	11.49	1.932	28.87	0.03
1/3/21 1:00	4.251	76.11	20.17	2.138	28.9	0.04
1/3/21 1:15	4.11	79.63	31.13	2.184	28.9	0.04
1/3/21 1:30	3.217	26.95	14.78	1.793	28.9	0.03
1/3/21 1:45	3.583	107.2	28.48	1.893	28.9	0.03
1/3/21 2:00	4.962	121.2	13.79	2.089	28.93	0.02
1/3/21 2:15	7.686	130.8	9.75	2.183	28.93	0.01
1/3/21 2:30	9.71	126.1	7.142	2.05	28.93	0
1/3/21 2:45	4.709	104	36.25	2.028	28.93	0
1/3/21 3:00	9.59	149	8.09	1.932	28.96	0
1/3/21 3:15	4.748	130.4	15.14	1.933	28.96	0
1/3/21 3:30	3.699	106	10.35	2.037	28.96	0
1/3/21 3:45	3.836	102.9	8.19	2.124	28.96	0
1/3/21 4:00	4.149	102.8	8.06	2.235	29	0
1/3/21 4:15	4.236	118.7	9.63	2.546	29	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/3/21 4:30	4.92	118.5	7.652	2.825	29	0
1/3/21 4:45	6.738	119.1	9.56	3.101	29	0
1/3/21 5:00	6.998	138.8	10.87	3.193	29.04	0
1/3/21 5:15	5.59	151.2	17.77	3.168	29.04	0
1/3/21 5:30	6.456	139.1	8.03	3.336	29.04	0
1/3/21 5:45	6.635	138.2	8.79	3.317	29.04	0
1/3/21 6:00	6.331	129.1	8.39	3.325	29.07	0
1/3/21 6:15	7.274	146.2	10.1	3.376	29.07	0
1/3/21 6:30	6.897	142	11.21	3.395	29.07	0
1/3/21 6:45	6.188	138.4	8.31	3.599	29.07	0
1/3/21 7:00	5.767	137.1	9.94	3.733	29.07	0.01
1/3/21 7:15	3.824	128.8	14.84	3.774	29.07	0.01
1/3/21 7:30	5.062	116.4	8.57	3.645	29.07	0.01
1/3/21 7:45	6.647	127.2	9.08	3.854	29.07	0
1/3/21 8:00	7.207	131	7.77	4.194	29.07	0
1/3/21 8:15	8.21	137.2	8.54	4.392	29.07	0
1/3/21 8:30	8.68	135.1	8.66	4.609	29.07	0
1/3/21 8:45	8.6	141	9.49	4.852	29.07	0
1/3/21 9:00	8.59	145.9	11.13	4.934	29.09	0.01
1/3/21 9:15	10.57	154.9	7.971	4.974	29.09	0.02
1/3/21 9:30	10.29	157.9	9.12	4.997	29.09	0.01
1/3/21 9:45	9.36	161.3	10.84	4.972	29.09	0.02
1/3/21 10:00	8.01	169.7	9.31	4.929	29.13	0.03
1/3/21 10:15	7.204	171.7	12.45	5.08	29.13	0.02
1/3/21 10:30	6.987	171.2	13.42	5.084	29.13	0.04
1/3/21 10:45	6.395	162.3	20.54	5.215	29.13	0.02
1/3/21 11:00	5.913	171.8	8.07	5.311	29.17	0.03
1/3/21 11:15	4.813	147.3	11.57	5.282	29.17	0
1/3/21 11:30	7.85	155.6	7.869	5.395	29.17	0.01
1/3/21 11:45	9.58	163.5	10.37	5.399	29.17	0
1/3/21 12:00	10.45	153.1	8.04	5.604	29.15	0
1/3/21 12:15	9.9	153.9	8.57	5.929	29.15	0
1/3/21 12:30	10.1	160.2	11.57	5.954	29.15	0
1/3/21 12:45	11.24	181	15.21	6.071	29.15	0
1/3/21 13:00	12.72	207.4	10.74	6.263	29.16	0.01
1/3/21 13:15	11.05	205.8	10.36	6.124	29.16	0.01
1/3/21 13:30	11.71	179.4	9.95	6.067	29.16	0
1/3/21 13:45	10.37	154.8	9.56	6.318	29.16	0.01
1/3/21 14:00	10.79	149.8	7.257	6.475	29.17	0
1/3/21 14:15	11.04	150.4	7.544	6.489	29.17	0
1/3/21 14:30	11.77	157.1	7.304	6.484	29.17	0
1/3/21 14:45	10.78	157.7	7.755	6.463	29.17	0
1/3/21 15:00	8.99	143.7	10.41	6.502	29.19	0
1/3/21 15:15	6.964	126.9	10.42	6.43	29.19	0
1/3/21 15:30	9.11	131.7	9.71	6.466	29.19	0
1/3/21 15:45	8.28	139.1	9.32	6.499	29.19	0
1/3/21 16:00	7.968	141.7	7.925	6.4	29.17	0.01
1/3/21 16:15	5.737	118.1	16.05	6.292	29.17	0.01
1/3/21 16:30	7.039	114.3	10.82	6.281	29.17	0
1/3/21 16:45	7.569	134.7	10.96	6.447	29.17	0
1/3/21 17:00	3.797	90.9	20.22	6.296	29.18	0
1/3/21 17:15	3.818	74.51	11.3	6.262	29.18	0
1/3/21 17:30	4.738	86.8	10.02	6.363	29.18	0
1/3/21 17:45	4.233	88.8	5.901	6.397	29.18	0
1/3/21 18:00	2.622	90.6	5.074	6.289	29.14	0
1/3/21 18:15	2.305	57.41	13.98	6.226	29.14	0
1/3/21 18:30	1.987	47.42	9.89	5.855	29.14	0
1/3/21 18:45	2.867	56.15	5.152	5.512	29.14	0
1/3/21 19:00	3.047	56.46	6.284	5.451	29.13	0
1/3/21 19:15	1.839	50.9	10.82	5.232	29.13	0
1/3/21 19:30	2.466	82.5	9.46	5.149	29.13	0
1/3/21 19:45	3.334	57.38	9.46	5.257	29.13	0
1/3/21 20:00	3.134	78.18	14.37	5.149	29.09	0
1/3/21 20:15	2.58	68.85	10.97	4.878	29.09	0
1/3/21 20:30	2.928	98.6	14.4	4.665	29.09	0.01
1/3/21 20:45	4.273	118.7	13.22	4.684	29.09	0
1/3/21 21:00	4.629	125.8	10.01	5.767	29.04	0
1/3/21 21:15	4.688	126.1	19.19	5.91	29.04	0
1/3/21 21:30	7.282	116.4	15.26	6.121	29.04	0
1/3/21 21:45	5.266	133.4	15.1	6.492	29.04	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/3/21 22:00	5.672	128.7	16.18	6.732	29.02	0
1/3/21 22:15	5.702	124.9	17.1	6.8	29.02	0
1/3/21 22:30	6.054	133.1	19.43	7.18	29.02	0
1/3/21 22:45	8.1	150	24.48	7.098	29.02	0
1/3/21 23:00	7.675	161.8	15.36	6.547	29.03	0.02
1/3/21 23:15	7.493	159.9	17.78	6.273	29.03	0.02
1/3/21 23:30	7.411	125.5	16.13	6.028	29.03	0.02
1/3/21 23:45	9.48	116.9	15.09	6.01	29.03	0.02
1/4/21 0:00	11.4	108.2	8.96	6.17	28.97	0.02
1/4/21 0:15	13.39	119.1	9.99	6.553	28.97	0.02
1/4/21 0:30	15.76	119.4	10.85	6.688	28.97	0.01
1/4/21 0:45	15.71	118.1	10.26	7.263	28.97	0.02
1/4/21 1:00	16.44	126.9	9.12	7.386	28.92	0.01
1/4/21 1:15	19.24	125.1	10.69	7.187	28.92	0.01
1/4/21 1:30	17.63	120.9	10.26	7.136	28.92	0.01
1/4/21 1:45	18.08	121.3	11.27	7.409	28.92	0.01
1/4/21 2:00	21.92	121.3	10.18	7.546	28.85	0.01
1/4/21 2:15	21.65	120.2	9.67	7.497	28.85	0
1/4/21 2:30	21.47	117.7	10.06	7.431	28.85	0.01
1/4/21 2:45	20.77	117.4	11.08	7.54	28.85	0.01
1/4/21 3:00	19.61	120.8	9.7	7.482	28.85	0.01
1/4/21 3:15	18.83	122.2	9.6	7.502	28.85	0
1/4/21 3:30	20.27	117.2	11.12	7.513	28.85	0
1/4/21 3:45	19.39	119.3	9.74	7.293	28.85	0.01
1/4/21 4:00	18.59	117.1	10.19	7.462	28.82	0.01
1/4/21 4:15	18.51	117.2	10.84	7.643	28.82	0.01
1/4/21 4:30	20.07	116.7	9.09	7.515	28.82	0.01
1/4/21 4:45	17.06	114.8	10.74	7.441	28.82	0.01
1/4/21 5:00	18.81	116.4	9.95	7.571	28.76	0.01
1/4/21 5:15	19.05	117.8	9.67	7.733	28.76	0.01
1/4/21 5:30	19.71	113.8	10.68	7.781	28.76	0
1/4/21 5:45	19.52	114.2	10.17	7.796	28.76	0.01
1/4/21 6:00	18.86	115.8	10.19	8.14	28.75	0
1/4/21 6:15	17.15	112.9	10.63	7.955	28.75	0.01
1/4/21 6:30	15.8	113.3	10.37	8.05	28.75	0.02
1/4/21 6:45	14.64	120.3	9.92	7.918	28.75	0.01
1/4/21 7:00	15.31	117.2	9.88	7.815	28.71	0.02
1/4/21 7:15	12.39	110.2	10.64	7.75	28.71	0.01
1/4/21 7:30	10.68	104	12.12	7.709	28.71	0
1/4/21 7:45	13.28	114.1	11.91	8.01	28.71	0.01
1/4/21 8:00	14.59	116.6	10.84	8.2	28.69	0
1/4/21 8:15	18.44	116.8	9.73	8.17	28.69	0.01
1/4/21 8:30	16.5	111	10.97	8.18	28.69	0.01
1/4/21 8:45	17.18	116.8	10.18	8.2	28.69	0
1/4/21 9:00	14.14	114	9.74	8.34	28.68	0.01
1/4/21 9:15	15.13	114.8	11.03	8.62	28.68	0
1/4/21 9:30	17.36	114.7	9.85	8.62	28.68	0
1/4/21 9:45	16.19	122.7	10.71	8.45	28.68	0
1/4/21 10:00	15.05	122.4	12.52	8.13	28.67	0
1/4/21 10:15	13.4	121.8	10.55	8.04	28.67	0.01
1/4/21 10:30	14.64	117.2	8.68	8.17	28.67	0
1/4/21 10:45	13.38	120.6	10.74	8.23	28.67	0.01
1/4/21 11:00	11.17	131.2	9	8.1	28.7	0
1/4/21 11:15	10.43	134.2	8.85	7.984	28.7	0
1/4/21 11:30	9.41	136.8	7.438	8.01	28.7	0.01
1/4/21 11:45	9.56	167.9	17.24	8.12	28.7	0.02
1/4/21 12:00	13.62	207.5	6.683	8.09	28.76	0.04
1/4/21 12:15	13.99	192.6	9.37	7.901	28.76	0.02
1/4/21 12:30	16.51	188.9	10.05	7.399	28.76	0
1/4/21 12:45	13.17	182	9.78	7.148	28.76	0
1/4/21 13:00	13.96	195.1	10.46	7.1	28.8	0
1/4/21 13:15	15.63	198.6	9.33	7.018	28.8	0
1/4/21 13:30	15.54	198.9	9.35	6.972	28.8	0
1/4/21 13:45	17.27	198.1	9.06	6.95	28.8	0
1/4/21 14:00	15.46	191.8	9.78	6.969	28.85	0
1/4/21 14:15	13	194.3	9.76	6.959	28.85	0
1/4/21 14:30	11.77	187.7	10.02	6.938	28.85	0
1/4/21 14:45	12.51	183.7	11.63	7.009	28.85	0
1/4/21 15:00	9.72	174.9	12.43	6.959	28.9	0
1/4/21 15:15	9.94	171.5	8.38	6.759	28.9	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/4/21 15:30	9.62	167.8	8.43	6.772	28.9	0.01
1/4/21 15:45	8.97	163.4	9.49	6.813	28.9	0
1/4/21 16:00	7.354	180	10.83	6.638	28.95	0.03
1/4/21 16:15	8.24	195.5	11.3	6.636	28.95	0.04
1/4/21 16:30	9.53	183.9	7.54	6.611	28.95	0.01
1/4/21 16:45	9.34	175.6	10.81	6.6	28.95	0
1/4/21 17:00	10.96	166.5	8.21	6.601	28.95	0
1/4/21 17:15	10.84	163.8	11.14	6.633	28.95	0
1/4/21 17:30	10.29	165.4	9.1	6.555	28.95	0
1/4/21 17:45	9.56	161.3	8.6	6.563	28.95	0.01
1/4/21 18:00	10.13	153.1	8.28	6.498	29	0
1/4/21 18:15	10.95	148.3	6.733	6.324	29	0
1/4/21 18:30	9.73	159.3	10.26	6.359	29	0
1/4/21 18:45	10.03	181.6	17.26	6.183	29	0.02
1/4/21 19:00	12.42	194.1	12.08	5.604	29.03	0.02
1/4/21 19:15	6.171	152.2	20.37	5.172	29.03	0.01
1/4/21 19:30	8.48	140.6	7.982	4.997	29.03	0
1/4/21 19:45	9.28	138.2	7.524	4.956	29.03	0
1/4/21 20:00	10.36	140.6	9.82	4.993	29.08	0
1/4/21 20:15	9.32	138.3	7.097	4.827	29.08	0
1/4/21 20:30	10.34	140.4	6.426	4.821	29.08	0
1/4/21 20:45	9.48	137.6	7.124	4.753	29.08	0
1/4/21 21:00	9.12	137.1	8.75	4.766	29.09	0
1/4/21 21:15	8.81	141.6	9.55	4.885	29.09	0
1/4/21 21:30	9	148.6	9.41	4.914	29.09	0
1/4/21 21:45	9.66	161.6	8.91	5.217	29.09	0
1/4/21 22:00	9.28	162.9	7.925	5.323	29.12	0
1/4/21 22:15	10.54	168.2	9.33	5.31	29.12	0
1/4/21 22:30	9.96	166.3	8.14	5.485	29.12	0
1/4/21 22:45	7.899	154.6	11.33	5.477	29.12	0
1/4/21 23:00	7.523	148.8	9.32	5.407	29.19	0
1/4/21 23:15	6.817	139.9	11.07	5.391	29.19	0
1/4/21 23:30	6.934	150.9	12.59	5.399	29.19	0
1/4/21 23:45	9.01	161.8	9.05	5.611	29.19	0
1/5/21 0:00	8.6	161.4	10.19	5.582	29.19	0
1/5/21 0:15	10.09	173.3	8.02	5.506	29.19	0
1/5/21 0:30	8.08	168.7	7.298	5.324	29.19	0
1/5/21 0:45	7.272	164	7.32	5.187	29.19	0
1/5/21 1:00	8.41	165.4	7.658	5.264	29.24	0
1/5/21 1:15	5.069	138.1	9.43	5.001	29.24	0
1/5/21 1:30	6.051	140.1	7.353	5.144	29.24	0
1/5/21 1:45	6.891	137.1	8.13	5.314	29.24	0
1/5/21 2:00	6.269	138.1	6.75	5.419	29.26	0
1/5/21 2:15	5.505	145.6	7.632	5.486	29.26	0
1/5/21 2:30	5.251	132.7	8.81	5.321	29.26	0
1/5/21 2:45	5.849	134.6	7.013	5.253	29.26	0
1/5/21 3:00	5.965	116.4	12.86	4.985	29.24	0
1/5/21 3:15	5.855	122.8	13.5	5.277	29.24	0
1/5/21 3:30	5.95	122.5	13.42	5.304	29.24	0
1/5/21 3:45	5.908	121.5	8.16	5.561	29.24	0
1/5/21 4:00	6.465	124	8.35	5.554	29.24	0
1/5/21 4:15	7.595	139.9	11.48	5.625	29.24	0
1/5/21 4:30	6.963	153.9	11.64	5.582	29.24	0
1/5/21 4:45	4.997	150.8	8.24	5.202	29.24	0
1/5/21 5:00	4.428	130.5	5.818	4.974	29.27	0
1/5/21 5:15	5.115	141.6	13.52	5.138	29.27	0
1/5/21 5:30	6.771	160.8	11.51	5.229	29.27	0
1/5/21 5:45	6.28	155.6	10.4	5.152	29.27	0
1/5/21 6:00	4.868	141.3	13.92	5.062	29.26	0
1/5/21 6:15	6.242	136.3	9.1	5.311	29.26	0
1/5/21 6:30	6.832	133.2	7.21	5.57	29.26	0
1/5/21 6:45	6.822	134.5	6.391	5.663	29.26	0
1/5/21 7:00	6.007	144.7	10.76	5.701	29.26	0
1/5/21 7:15	6.558	158.9	7.535	5.545	29.26	0
1/5/21 7:30	7.105	145.2	4.852	5.256	29.26	0
1/5/21 7:45	7.435	145.5	6.762	5.552	29.26	0
1/5/21 8:00	6.718	122.5	9.65	5.451	29.28	0
1/5/21 8:15	7.241	120.5	7.975	5.684	29.28	0
1/5/21 8:30	7.913	121.3	6.536	5.931	29.28	0
1/5/21 8:45	8	122.7	9.23	5.846	29.28	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/5/21 9:00	8.38	120.2	9.42	5.86	29.28	0
1/5/21 9:15	7.762	127.6	10.23	5.978	29.28	0
1/5/21 9:30	8.24	127.4	10.16	6.071	29.28	0
1/5/21 9:45	9.34	124.1	9.38	6.352	29.28	0
1/5/21 10:00	10.81	117.4	8.27	6.567	29.28	0
1/5/21 10:15	11.51	117.1	8.9	6.721	29.28	0
1/5/21 10:30	11.12	120.3	9.01	6.787	29.28	0
1/5/21 10:45	11.02	117.4	9.71	6.727	29.28	0
1/5/21 11:00	12.57	119.4	8.63	6.79	29.24	0
1/5/21 11:15	11.69	118.1	9.24	6.899	29.24	0
1/5/21 11:30	10.91	117.2	10.16	7.117	29.24	0
1/5/21 11:45	10.36	136.9	11.08	7.128	29.24	0
1/5/21 12:00	10.86	132.1	14.65	6.897	29.25	0
1/5/21 12:15	10.78	164.6	19.04	6.512	29.25	0.01
1/5/21 12:30	10.68	149.1	10.88	6.072	29.25	0.01
1/5/21 12:45	10.96	138.7	7.226	5.939	29.25	0.01
1/5/21 13:00	8.03	134	10.94	5.779	29.24	0.02
1/5/21 13:15	13.63	118.2	12.19	5.29	29.24	0.02
1/5/21 13:30	13.27	112	12.12	4.929	29.24	0.02
1/5/21 13:45	11.77	119.2	10.17	4.837	29.24	0.02
1/5/21 14:00	12.04	110.9	10.05	4.756	29.21	0.02
1/5/21 14:15	14	105.2	10.96	4.669	29.21	0.01
1/5/21 14:30	14.73	105	11.98	4.84	29.21	0.01
1/5/21 14:45	15.13	108.6	11.84	5.145	29.21	0.01
1/5/21 15:00	15.76	116.1	9.87	5.342	29.14	0
1/5/21 15:15	17.79	117.6	11.63	5.707	29.14	0.01
1/5/21 15:30	16.48	115.7	11.68	6.002	29.14	0.01
1/5/21 15:45	13.64	125.6	9.97	5.722	29.14	0.01
1/5/21 16:00	15.74	114.4	10.76	6.123	29.12	0.01
1/5/21 16:15	17.37	113.9	8.95	6.575	29.12	0
1/5/21 16:30	15.81	115.3	9.99	6.959	29.12	0
1/5/21 16:45	16.3	120	9.28	7.254	29.12	0
1/5/21 17:00	14.82	125.7	10.95	7.149	29.09	0
1/5/21 17:15	15.58	122	8.89	7.144	29.09	0
1/5/21 17:30	13.31	129	10.41	7.308	29.09	0
1/5/21 17:45	14.16	119.6	9.67	7.645	29.09	0
1/5/21 18:00	15.24	119.5	9.56	7.58	29.08	0.01
1/5/21 18:15	15.56	119.3	10.93	7.195	29.08	0.01
1/5/21 18:30	14.63	128.7	11.11	6.877	29.08	0.01
1/5/21 18:45	15.84	121.1	10.37	6.626	29.08	0.01
1/5/21 19:00	14.44	126.6	10.83	6.389	29.08	0
1/5/21 19:15	14.7	113.6	10.19	6.326	29.08	0.01
1/5/21 19:30	14.22	115.6	11.18	6.513	29.08	0.02
1/5/21 19:45	15.67	117.7	9.6	6.454	29.08	0
1/5/21 20:00	16.37	117.3	10.4	6.694	29.09	0.01
1/5/21 20:15	14.57	116.3	10.61	6.69	29.09	0.04
1/5/21 20:30	14.85	123.3	15.19	6.7	29.09	0.02
1/5/21 20:45	14.94	126.6	13.09	6.202	29.09	0.04
1/5/21 21:00	14.32	115.4	8.9	6.125	29.09	0.03
1/5/21 21:15	15.32	118.9	10.01	6.362	29.09	0.01
1/5/21 21:30	14.8	127.2	10.88	6.169	29.09	0.01
1/5/21 21:45	15.26	122.4	11.53	5.983	29.09	0.01
1/5/21 22:00	13.18	124	11.82	6.052	29.09	0.01
1/5/21 22:15	10.54	137.7	13.59	6.143	29.09	0.02
1/5/21 22:30	9.22	144.2	21.76	6.027	29.09	0.03
1/5/21 22:45	10.46	126.3	9.32	5.958	29.09	0.02
1/5/21 23:00	11.22	124.4	8.5	6.089	29.08	0.01
1/5/21 23:15	9.95	127.2	8.52	6.069	29.08	0
1/5/21 23:30	8.71	143.9	9.95	6.028	29.08	0.01
1/5/21 23:45	8.68	142.5	10.5	6.026	29.08	0
1/6/21 0:00	9.33	144.1	8.59	6.25	29.12	0.01
1/6/21 0:15	9.24	143	7.502	6.172	29.12	0.02
1/6/21 0:30	8.14	141.2	7.297	6.231	29.12	0.02
1/6/21 0:45	5.218	132.1	7.884	6.137	29.12	0.02
1/6/21 1:00	5.664	126.8	9.02	6.323	29.12	0.02
1/6/21 1:15	5.892	130.3	9.95	6.61	29.12	0.01
1/6/21 1:30	6.092	144	16.64	6.808	29.12	0.02
1/6/21 1:45	7.243	167.2	8.41	6.943	29.12	0.01
1/6/21 2:00	6.307	161.3	11.85	6.864	29.16	0.01
1/6/21 2:15	5.002	148	13.11	6.703	29.16	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/6/21 2:30	5.845	137.7	21.55	6.525	29.16	0.01
1/6/21 2:45	10.95	180.2	11.09	6.889	29.16	0
1/6/21 3:00	10.54	195.8	12.65	6.702	29.14	0.01
1/6/21 3:15	12.6	212.2	8.44	6.7	29.14	0
1/6/21 3:30	8.81	198.4	8.44	6.441	29.14	0.01
1/6/21 3:45	6.982	206.9	10.81	6.24	29.14	0
1/6/21 4:00	5.439	233.8	16.5	6.084	29.18	0.01
1/6/21 4:15	3.267	212	72.06	5.986	29.18	0.02
1/6/21 4:30	3.335	133.2	40.7	5.871	29.18	0.01
1/6/21 4:45	4.415	129.3	39.79	6.004	29.18	0
1/6/21 5:00	6.893	147.1	20.96	6.126	29.14	0
1/6/21 5:15	4.853	123.1	12.49	5.904	29.14	0
1/6/21 5:30	5.93	130.1	7.4	5.923	29.14	0
1/6/21 5:45	6.828	125.9	8.44	5.95	29.14	0
1/6/21 6:00	6.696	124.3	7.673	6.018	29.18	0
1/6/21 6:15	5.636	124.3	7.689	6.118	29.18	0
1/6/21 6:30	4.777	122.7	8.07	6.208	29.18	0
1/6/21 6:45	5.191	118.9	10.68	6.088	29.18	0
1/6/21 7:00	5.367	115.6	7.871	5.986	29.17	0
1/6/21 7:15	6.557	121.4	6.909	6.053	29.17	0
1/6/21 7:30	5.708	118.6	8.23	6.115	29.17	0
1/6/21 7:45	5.395	123.4	6.425	6.411	29.17	0
1/6/21 8:00	4.931	121	8.39	6.424	29.22	0
1/6/21 8:15	5.169	112.8	9.31	6.424	29.22	0
1/6/21 8:30	3.715	108.3	6.742	6.606	29.22	0
1/6/21 8:45	4.072	110.6	6.353	6.697	29.22	0
1/6/21 9:00	3.324	109.5	11.88	6.487	29.2	0
1/6/21 9:15	3.051	113	15.04	6.688	29.2	0
1/6/21 9:30	3.534	135.4	17.7	6.715	29.2	0
1/6/21 9:45	4.287	137.7	19.47	6.394	29.2	0
1/6/21 10:00	3.793	116	15.7	6.608	29.24	0
1/6/21 10:15	4.492	116.9	19.07	6.768	29.24	0
1/6/21 10:30	4.547	129.1	16.62	7.049	29.24	0
1/6/21 10:45	4.032	165.8	19.13	7.109	29.24	0
1/6/21 11:00	4.553	168	14.81	6.927	29.22	0
1/6/21 11:15	3.434	131.5	27.48	7.269	29.22	0
1/6/21 11:30	3.017	118.4	14.42	7.598	29.22	0
1/6/21 11:45	3.467	148.3	20.31	8.2	29.22	0
1/6/21 12:00	3.388	184.8	28.87	8.36	29.2	0
1/6/21 12:15	3.035	167.1	35.58	8.54	29.2	0
1/6/21 12:30	2.363	122.2	26.09	9	29.2	0
1/6/21 12:45	3.608	167.3	26.02	8.92	29.2	0
1/6/21 13:00	1.104	179.5	37.14	8.85	29.2	0
1/6/21 13:15	1.104	232.3	29.45	9.11	29.2	0
1/6/21 13:30	0.253	34.99	26.19	9.28	29.2	0
1/6/21 13:45	3.057	21.68	8.91	8.74	29.2	0
1/6/21 14:00	5.454	16.41	7.071	8.55	29.19	0
1/6/21 14:15	6.146	15.69	8.88	8.59	29.19	0
1/6/21 14:30	7.564	8.86	11.07	8.66	29.19	0
1/6/21 14:45	7.189	9.74	12.08	8.61	29.19	0
1/6/21 15:00	6.425	1.891	15.15	8.55	29.15	0
1/6/21 15:15	5.37	10.32	12.01	8.42	29.15	0
1/6/21 15:30	6.738	10.2	12.24	8.15	29.15	0
1/6/21 15:45	5.744	9.66	12.29	7.895	29.15	0
1/6/21 16:00	4.142	18.2	13.17	7.716	29.14	0
1/6/21 16:15	3.179	28.45	12.89	7.506	29.14	0
1/6/21 16:30	3.187	8.98	9.7	7.275	29.14	0
1/6/21 16:45	2.717	10.6	9.32	7.173	29.14	0
1/6/21 17:00	2.639	29.75	7.047	7.037	29.18	0
1/6/21 17:15	1.716	29.22	10.08	7.048	29.18	0
1/6/21 17:30	0.422	24.17	4.17	6.892	29.18	0
1/6/21 17:45	0.702	16.39	10.13	6.766	29.18	0
1/6/21 18:00	0.444	10.82	9.27	6.639	29.18	0
1/6/21 18:15	2.546	348.7	11.12	6.537	29.18	0
1/6/21 18:30	1.776	329.8	16.56	6.398	29.18	0
1/6/21 18:45	1.701	16.42	16.32	6.242	29.18	0
1/6/21 19:00	0.539	5.372	8.81	6.239	29.21	0
1/6/21 19:15	1.542	111.8	15.01	5.866	29.21	0
1/6/21 19:30	1.691	85.4	20.22	5.833	29.21	0
1/6/21 19:45	1.355	16.62	9.93	5.992	29.21	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/6/21 20:00	1.404	61.01	31.04	5.918	29.21	0
1/6/21 20:15	2.312	14.61	26.44	5.366	29.21	0
1/6/21 20:30	2.885	21.67	36.77	5.479	29.21	0
1/6/21 20:45	2.455	65.15	5.809	4.604	29.21	0
1/6/21 21:00	0.533	48.15	17.55	5.141	29.25	0
1/6/21 21:15	0.298	21.13	2.178	5.472	29.25	0
1/6/21 21:30	2.535	334.6	12.96	5.04	29.25	0
1/6/21 21:45	3.379	303.5	17.83	4.669	29.25	0
1/6/21 22:00	1.818	345.8	26.22	4.933	29.29	0
1/6/21 22:15	1.549	37.63	3.533	4.928	29.29	0
1/6/21 22:30	2.573	32.46	4.168	4.955	29.29	0
1/6/21 22:45	2.985	55.96	22.15	4.187	29.29	0
1/6/21 23:00	2.865	121.8	19.81	4.409	29.31	0
1/6/21 23:15	2.165	76.08	31.45	4.993	29.31	0
1/6/21 23:30	2.506	80.7	17.32	4.171	29.31	0
1/6/21 23:45	4.126	110.3	4.056	4.677	29.31	0
1/7/21 0:00	3.594	145.2	23.08	4.808	29.31	0
1/7/21 0:15	3.81	169	10.34	4.685	29.31	0
1/7/21 0:30	5.192	191.7	13.61	4.486	29.31	0
1/7/21 0:45	5.847	182.5	9.51	4.681	29.31	0
1/7/21 1:00	5.062	182.6	9.28	4.625	29.33	0
1/7/21 1:15	4.25	197.6	9.61	4.268	29.33	0
1/7/21 1:30	4.321	187.8	6.671	4.236	29.33	0
1/7/21 1:45	3.974	166.7	10.65	4.06	29.33	0
1/7/21 2:00	5.139	148.1	4.87	3.932	29.37	0
1/7/21 2:15	6.12	132.6	8.98	4.009	29.37	0
1/7/21 2:30	3.355	118.8	14.76	3.917	29.37	0
1/7/21 2:45	6.245	143.3	4.349	4.438	29.37	0
1/7/21 3:00	5.472	141.1	5.384	4.783	29.4	0
1/7/21 3:15	5.065	138.7	5.229	4.749	29.4	0
1/7/21 3:30	5.667	137.8	4.573	4.861	29.4	0
1/7/21 3:45	5.084	136.4	6.745	4.99	29.4	0
1/7/21 4:00	4.828	139.2	7.005	5.221	29.41	0
1/7/21 4:15	4.911	158.4	10.24	5.402	29.41	0
1/7/21 4:30	3.599	154.8	11.28	5.256	29.41	0
1/7/21 4:45	3.02	137.8	13.75	5.148	29.41	0.01
1/7/21 5:00	0.961	72.36	25.6	4.949	29.42	0
1/7/21 5:15	1.624	73.4	11.77	5.061	29.42	0
1/7/21 5:30	2.572	98.5	14.42	5.449	29.42	0
1/7/21 5:45	3.297	106.1	10.78	5.602	29.42	0
1/7/21 6:00	3.757	135.2	12.16	5.567	29.42	0
1/7/21 6:15	3.904	122.4	4.761	5.873	29.42	0
1/7/21 6:30	3.824	133.7	6.815	5.977	29.42	0
1/7/21 6:45	4.433	127.5	5.289	5.837	29.42	0
1/7/21 7:00	4.36	119.5	7.579	5.861	29.44	0
1/7/21 7:15	4.56	108.6	7.35	6.024	29.44	0
1/7/21 7:30	4.111	125.1	8.27	6.031	29.44	0
1/7/21 7:45	3.372	152	14.49	5.817	29.44	0.01
1/7/21 8:00	3.235	155.6	13.64	5.641	29.46	0
1/7/21 8:15	4.026	137.5	21.97	5.18	29.46	0
1/7/21 8:30	6.202	92.4	9.14	4.906	29.46	0
1/7/21 8:45	5.728	109.7	8.04	6.067	29.46	0
1/7/21 9:00	5.315	123.2	6.496	6.919	29.43	0
1/7/21 9:15	4.582	133.1	12.15	7.49	29.43	0
1/7/21 9:30	3.678	159	16.03	7.296	29.43	0
1/7/21 9:45	3.516	159.7	11.34	6.787	29.43	0
1/7/21 10:00	4.286	151.4	13.47	6.848	29.45	0
1/7/21 10:15	5.209	125	8.31	7.432	29.45	0
1/7/21 10:30	5.149	145	11.58	7.832	29.45	0
1/7/21 10:45	4.8	151.9	11.47	7.9	29.45	0
1/7/21 11:00	4.659	129	12.51	8.07	29.45	0
1/7/21 11:15	3.211	148.6	26.54	8.45	29.45	0
1/7/21 11:30	4.273	148.8	12.52	8.45	29.45	0
1/7/21 11:45	5.025	144.3	11.59	8.38	29.45	0
1/7/21 12:00	3.717	129.5	13.09	8.56	29.43	0
1/7/21 12:15	2.529	96.6	32.9	8.49	29.43	0
1/7/21 12:30	1.772	57.7	9.21	8.16	29.43	0
1/7/21 12:45	1.793	39.35	19.35	8.14	29.43	0
1/7/21 13:00	2.526	4.376	15.23	7.712	29.41	0
1/7/21 13:15	2.172	12.74	9.86	7.69	29.41	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/7/21 13:30	2.261	7.678	14.51	7.763	29.41	0
1/7/21 13:45	3.148	3.713	25.62	7.491	29.41	0
1/7/21 14:00	4.846	22.56	8.29	7.182	29.39	0
1/7/21 14:15	5.536	17.26	11.52	7.275	29.39	0
1/7/21 14:30	6.376	30.45	8.37	7.191	29.39	0
1/7/21 14:45	5.803	28.51	8.85	7.146	29.39	0
1/7/21 15:00	6.312	22.95	8.5	7.348	29.34	0
1/7/21 15:15	4.353	47.18	12.59	8.25	29.34	0
1/7/21 15:30	5.318	52.39	9.69	8.58	29.34	0
1/7/21 15:45	3.814	51.87	11.24	8.76	29.34	0
1/7/21 16:00	2.651	38.51	15.04	8.56	29.29	0
1/7/21 16:15	1.043	19.7	31.39	8.21	29.29	0
1/7/21 16:30	3.42	98	23.81	8.61	29.29	0
1/7/21 16:45	5.605	115.3	11.27	8.66	29.29	0
1/7/21 17:00	5.909	128.9	11.5	8.48	29.27	0
1/7/21 17:15	7.303	117.7	13.11	8.64	29.27	0
1/7/21 17:30	8.56	106.6	15.46	8.75	29.27	0
1/7/21 17:45	9.24	102.6	12.64	8.71	29.27	0
1/7/21 18:00	8.65	106.8	13.21	8.83	29.26	0
1/7/21 18:15	8.69	99.8	14.51	8.91	29.26	0
1/7/21 18:30	7.287	99.9	13.46	8.97	29.26	0
1/7/21 18:45	8.01	105.5	14.25	8.83	29.26	0
1/7/21 19:00	9.67	108.7	13.68	8.75	29.25	0
1/7/21 19:15	12.02	119.7	10.61	8.81	29.25	0
1/7/21 19:30	11.59	109.6	13.98	8.75	29.25	0
1/7/21 19:45	14.75	109.7	12.85	8.97	29.25	0
1/7/21 20:00	16.4	115.9	12.38	9.34	29.22	0
1/7/21 20:15	14.86	109.9	13.7	9.35	29.22	0
1/7/21 20:30	14.92	110.7	12.83	9.39	29.22	0
1/7/21 20:45	16.62	108.2	13.64	9.55	29.22	0
1/7/21 21:00	16.1	108.4	13.89	9.67	29.18	0
1/7/21 21:15	17.05	99.4	16.36	9.91	29.18	0
1/7/21 21:30	16	102.6	14.18	9.96	29.18	0
1/7/21 21:45	18.41	102.8	14.14	10.08	29.18	0
1/7/21 22:00	20.78	100.3	15.1	10.01	29.16	0
1/7/21 22:15	16.53	95.9	14.96	9.9	29.16	0
1/7/21 22:30	15.61	106.2	14.38	9.79	29.16	0
1/7/21 22:45	16.02	106.3	14.24	9.77	29.16	0
1/7/21 23:00	17.12	111	13.64	9.91	29.16	0
1/7/21 23:15	17.83	113.3	13.6	9.8	29.16	0
1/7/21 23:30	21.68	108.2	11.87	9.8	29.16	0
1/7/21 23:45	18.79	111	15.63	9.88	29.16	0
1/8/21 0:00	21.92	113.5	11.08	9.96	29.18	0
1/8/21 0:15	21.08	108.6	12.75	9.83	29.18	0
1/8/21 0:30	21.74	107.3	12.14	9.75	29.18	0
1/8/21 0:45	18.51	108.3	12.41	9.79	29.18	0
1/8/21 1:00	18.53	110.6	12.47	9.82	29.17	0
1/8/21 1:15	18.95	108.9	13.18	9.88	29.17	0
1/8/21 1:30	19.12	105.5	14.57	9.98	29.17	0
1/8/21 1:45	19.69	112.2	12.94	10.06	29.17	0
1/8/21 2:00	19.99	111.8	13.28	10.07	29.17	0
1/8/21 2:15	20.47	109.6	13.09	10.01	29.17	0
1/8/21 2:30	20.74	105.7	13.68	9.99	29.17	0
1/8/21 2:45	20.02	116	12.47	9.91	29.17	0
1/8/21 3:00	20.37	114.8	12.27	9.57	29.21	0
1/8/21 3:15	14.25	109.2	11.71	9.03	29.21	0
1/8/21 3:30	7.099	78.54	18.18	8.73	29.21	0.01
1/8/21 3:45	4.529	65.61	17.21	8.99	29.21	0
1/8/21 4:00	6.8	114.9	16.15	9.24	29.18	0
1/8/21 4:15	7.871	107.4	16.85	9.4	29.18	0
1/8/21 4:30	13.41	114.3	13.31	9.68	29.18	0
1/8/21 4:45	15.95	122.3	12.46	9.55	29.18	0
1/8/21 5:00	15.82	117	11.22	9.58	29.19	0
1/8/21 5:15	16.74	119.9	10.3	9.49	29.19	0
1/8/21 5:30	13.99	131.1	12.05	9.28	29.19	0
1/8/21 5:45	13	143.3	7.881	9.12	29.19	0
1/8/21 6:00	8.69	144.6	9.38	9.02	29.23	0
1/8/21 6:15	5.902	159.1	13.13	8.79	29.23	0
1/8/21 6:30	7.092	181.4	10.26	8.67	29.23	0
1/8/21 6:45	8.05	165.1	13.23	8.69	29.23	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/8/21 7:00	6.459	185.5	38.93	8.56	29.25	0
1/8/21 7:15	9.05	275.2	7.725	7.296	29.25	0
1/8/21 7:30	7.999	293	8.59	6.86	29.25	0
1/8/21 7:45	10.26	285.1	7.476	6.763	29.25	0
1/8/21 8:00	6.638	292.2	14.91	6.539	29.27	0
1/8/21 8:15	3.04	19.98	39.21	6.234	29.27	0
1/8/21 8:30	1.599	317.6	29.17	6.101	29.27	0
1/8/21 8:45	1.196	245.5	26.97	6.037	29.27	0.01
1/8/21 9:00	1.559	239.7	23.41	6.009	29.33	0
1/8/21 9:15	3.36	215.1	14.26	5.972	29.33	0.01
1/8/21 9:30	2.911	169.5	50.49	5.865	29.33	0
1/8/21 9:45	1.462	118.1	14.49	5.806	29.33	0.01
1/8/21 10:00	0.388	54.5	14.63	5.852	29.34	0
1/8/21 10:15	1.38	139.9	17.82	5.934	29.34	0
1/8/21 10:30	0.304	30.15	3.445	6.042	29.34	0.01
1/8/21 10:45	1.435	65.54	14.38	6.032	29.34	0
1/8/21 11:00	2.563	89.2	14.23	6.052	29.37	0
1/8/21 11:15	1.118	100.9	8.04	6.149	29.37	0
1/8/21 11:30	4.715	250.1	10.43	6.236	29.37	0
1/8/21 11:45	4.108	269.5	9.22	6.159	29.37	0
1/8/21 12:00	4.471	282.7	5.901	6.16	29.4	0.01
1/8/21 12:15	4.415	277.8	5.864	6.128	29.4	0
1/8/21 12:30	2.053	285	15.81	6.189	29.4	0.01
1/8/21 12:45	1.263	279.2	14.97	6.258	29.4	0
1/8/21 13:00	1.473	180.6	17.73	6.402	29.4	0
1/8/21 13:15	1.91	198.6	16.57	6.353	29.4	0
1/8/21 13:30	0.686	247.6	38.22	6.352	29.4	0
1/8/21 13:45	0.577	288.8	21.66	6.462	29.4	0
1/8/21 14:00	0.687	30.04	51.63	6.389	29.44	0
1/8/21 14:15	0.996	107.8	8.93	6.104	29.44	0.01
1/8/21 14:30	0.228	141.9	31.2	5.964	29.44	0
1/8/21 14:45	0.491	68.46	1.656	5.932	29.44	0.01
1/8/21 15:00	2.483	59.16	10.42	5.741	29.44	0
1/8/21 15:15	2.877	57.04	6.309	5.711	29.44	0
1/8/21 15:30	2.791	46.22	6.616	5.751	29.44	0
1/8/21 15:45	2.452	37.63	6.739	5.83	29.44	0.01
1/8/21 16:00	4.191	36.8	8.19	5.832	29.48	0
1/8/21 16:15	5.375	16.72	8.07	5.824	29.48	0.03
1/8/21 16:30	10.72	1.78	15.3	5.553	29.48	0.01
1/8/21 16:45	5.87	20.02	18.84	5.43	29.48	0
1/8/21 17:00	2.15	139.1	40.78	5.574	29.49	0
1/8/21 17:15	2.27	206.2	18.16	5.648	29.49	0
1/8/21 17:30	2.268	188.2	24.21	5.608	29.49	0
1/8/21 17:45	1.805	247.5	41.56	5.831	29.49	0
1/8/21 18:00	2.739	176.2	29.68	5.724	29.53	0
1/8/21 18:15	2.411	161.1	53.59	5.802	29.53	0
1/8/21 18:30	2.815	188.4	22.13	5.252	29.53	0
1/8/21 18:45	2.06	120.5	49.43	5.01	29.53	0
1/8/21 19:00	1.824	105	24.98	4.555	29.55	0
1/8/21 19:15	1.148	73.1	34.28	4.187	29.55	0
1/8/21 19:30	2.071	282.9	58.87	4.428	29.55	0
1/8/21 19:45	2.398	215.4	17.81	4.25	29.55	0
1/8/21 20:00	1.555	213.6	56.46	3.866	29.56	0
1/8/21 20:15	2.259	148.8	58.86	3.697	29.56	0
1/8/21 20:30	1.654	134.8	24.69	4.105	29.56	0
1/8/21 20:45	1.972	193	39.96	3.815	29.56	0
1/8/21 21:00	0.411	252.7	45.54	3.566	29.57	0
1/8/21 21:15	1.287	29.85	25.48	3.337	29.57	0
1/8/21 21:30	0.531	21.37	12.25	3.593	29.57	0
1/8/21 21:45	0.548	35.26	11.48	3.843	29.57	0
1/8/21 22:00	1.442	82.2	14.82	3.588	29.57	0
1/8/21 22:15	2.132	108.4	18.33	3.082	29.57	0
1/8/21 22:30	1.877	117.8	27.27	3.12	29.57	0
1/8/21 22:45	0.037	91.1	2.189	3.463	29.57	0
1/8/21 23:00	0.702	78.76	49.12	3.77	29.58	0
1/8/21 23:15	0.433	297.5	33.09	2.727	29.58	0
1/8/21 23:30	0.137	58.62	8.99	2.771	29.58	0
1/8/21 23:45	1.508	44.15	15.36	2.477	29.58	0
1/9/21 0:00	2.721	58.35	3.558	2.451	29.6	0
1/9/21 0:15	1.736	73.02	8.27	2.378	29.6	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/9/21 0:30	1.779	64.56	11.92	1.865	29.6	0
1/9/21 0:45	1.977	92.5	20.34	1.743	29.6	0
1/9/21 1:00	1.969	120.3	21.41	1.815	29.6	0
1/9/21 1:15	1.729	122.9	16.31	2.41	29.6	0
1/9/21 1:30	1.581	90.5	10.9	2.407	29.6	0
1/9/21 1:45	1.603	103.4	11.9	2.209	29.6	0
1/9/21 2:00	1.477	71.97	13.16	2.01	29.57	0
1/9/21 2:15	2.236	60.42	10.57	1.768	29.57	0
1/9/21 2:30	2.716	39.11	5.492	1.928	29.57	0
1/9/21 2:45	2.355	60.9	9.45	1.664	29.57	0
1/9/21 3:00	2.618	45.85	9.02	1.685	29.57	0
1/9/21 3:15	3.226	45.75	4.44	1.505	29.57	0
1/9/21 3:30	2.267	46.66	12.64	1.483	29.57	0
1/9/21 3:45	2.054	99.9	15.06	1.126	29.57	0
1/9/21 4:00	1.084	107.9	34.08	1.811	29.57	0
1/9/21 4:15	2.895	15.36	9.46	2.311	29.57	0
1/9/21 4:30	3.299	18.43	11.39	1.368	29.57	0
1/9/21 4:45	3.336	25.42	4.482	0.724	29.57	0
1/9/21 5:00	1.914	33.29	7.378	1.221	29.54	0
1/9/21 5:15	1.174	20.41	49.85	1.473	29.54	0
1/9/21 5:30	4.997	277.1	10.75	0.253	29.54	0
1/9/21 5:45	2.563	337.2	75.17	0.185	29.54	0
1/9/21 6:00	0.744	79.13	45.92	0.431	29.54	0
1/9/21 6:15	2.349	92.6	14.46	0.463	29.54	0
1/9/21 6:30	4.43	91.4	8.67	-0.144	29.54	0
1/9/21 6:45	6.53	128.4	12.36	0.511	29.54	0
1/9/21 7:00	6.99	120.5	8.38	1.664	29.52	0
1/9/21 7:15	5.825	103.3	6.492	1.568	29.52	0
1/9/21 7:30	3.3	74.17	39.64	1.9	29.52	0
1/9/21 7:45	2.227	358.3	46.91	1.484	29.52	0
1/9/21 8:00	2.024	27.95	23.19	0.269	29.49	0
1/9/21 8:15	4.197	30.92	10.06	-0.14	29.49	0
1/9/21 8:30	1.731	10.12	35.15	-0.488	29.49	0
1/9/21 8:45	2.408	274.3	59.73	0.255	29.49	0
1/9/21 9:00	2.721	336.8	12.54	0.307	29.52	0
1/9/21 9:15	1.921	351.1	19.76	0.811	29.52	0
1/9/21 9:30	1.968	6.362	11.54	0.827	29.52	0
1/9/21 9:45	1.336	23.94	27.13	1.521	29.52	0
1/9/21 10:00	0.456	39.67	12.39	3.429	29.51	0.01
1/9/21 10:15	1.205	75.75	26.55	4.164	29.51	0
1/9/21 10:30	2.777	91.9	10.74	4.254	29.51	0
1/9/21 10:45	3.797	102.7	14.38	4.42	29.51	0
1/9/21 11:00	3.114	107.1	12.79	4.52	29.46	0
1/9/21 11:15	2.442	65.21	21.28	3.341	29.46	0
1/9/21 11:30	3.79	78.27	13.67	4.613	29.46	0
1/9/21 11:45	3.782	109.5	33.17	5.3	29.46	0
1/9/21 12:00	6.058	151.5	10.88	6.699	29.44	0
1/9/21 12:15	2.684	73.63	45.36	6.267	29.44	0
1/9/21 12:30	2.664	107.8	34.84	6.883	29.44	0
1/9/21 12:45	6.32	135.4	15.37	7.717	29.44	0
1/9/21 13:00	7.975	133	13.22	7.837	29.41	0
1/9/21 13:15	7.921	119.4	12.99	7.589	29.41	0
1/9/21 13:30	9.32	129.6	11.62	8.08	29.41	0
1/9/21 13:45	11.6	128.3	11.88	8.32	29.41	0
1/9/21 14:00	10.28	120.8	12.47	8.32	29.37	0
1/9/21 14:15	11.52	123.4	11.3	8.77	29.37	0
1/9/21 14:30	10.77	129.8	11.56	8.84	29.37	0
1/9/21 14:45	9.78	136.9	12.79	8.66	29.37	0
1/9/21 15:00	11.87	136.2	11.39	8.51	29.36	0
1/9/21 15:15	10.55	123.1	13.13	8.41	29.36	0
1/9/21 15:30	11.97	128.4	10.49	8.29	29.36	0
1/9/21 15:45	11.25	130.8	10.06	8.26	29.36	0
1/9/21 16:00	10.87	136.1	11.57	8.23	29.35	0
1/9/21 16:15	11.2	135.6	12.05	8.13	29.35	0
1/9/21 16:30	12.12	133.7	11.37	8.08	29.35	0
1/9/21 16:45	12.45	127.8	11.19	8.05	29.35	0
1/9/21 17:00	10.45	132	11.84	8.11	29.33	0
1/9/21 17:15	9.96	135.2	12.89	8.12	29.33	0
1/9/21 17:30	8.01	127.1	13.2	7.847	29.33	0
1/9/21 17:45	10.52	128.4	12.53	7.987	29.33	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/9/21 18:00	12.77	130.8	11.57	7.974	29.33	0
1/9/21 18:15	12.65	125.1	11.53	7.918	29.33	0
1/9/21 18:30	13.46	130.8	12.16	8.01	29.33	0
1/9/21 18:45	13.54	138.9	10.62	7.995	29.33	0
1/9/21 19:00	13.25	135.1	10.75	7.951	29.31	0
1/9/21 19:15	13.75	133.1	10.67	8.02	29.31	0
1/9/21 19:30	13.02	135.8	11.34	7.978	29.31	0
1/9/21 19:45	12.68	137.2	11.55	7.811	29.31	0
1/9/21 20:00	11.68	137.2	13.02	7.753	29.31	0
1/9/21 20:15	12.54	136.5	13.08	7.789	29.31	0
1/9/21 20:30	13.68	132.4	10.05	7.799	29.31	0
1/9/21 20:45	11.58	130.4	11.75	7.644	29.31	0
1/9/21 21:00	13.56	128.7	10.98	7.695	29.29	0
1/9/21 21:15	13.65	126.4	11.61	7.639	29.29	0
1/9/21 21:30	12.89	128	12.53	7.551	29.29	0
1/9/21 21:45	12.48	124.4	12.49	7.488	29.29	0
1/9/21 22:00	13.47	121.4	13.37	7.54	29.27	0
1/9/21 22:15	15.28	120.3	12.19	7.555	29.27	0
1/9/21 22:30	14.73	120.9	11.93	7.594	29.27	0
1/9/21 22:45	13.98	122.9	14.37	7.701	29.27	0
1/9/21 23:00	18.62	125	10.62	7.756	29.25	0
1/9/21 23:15	15.71	127.3	12.29	7.615	29.25	0
1/9/21 23:30	15	131.4	11.05	7.403	29.25	0
1/9/21 23:45	16.08	129.1	11.23	7.361	29.25	0
1/10/21 0:00	16.08	119.9	10.42	7.397	29.28	0
1/10/21 0:15	17.01	122.7	11.54	7.515	29.28	0
1/10/21 0:30	17.36	121.5	10.95	7.776	29.28	0
1/10/21 0:45	15.79	124.9	10.46	7.758	29.28	0
1/10/21 1:00	13.74	153.1	20.8	7.543	29.31	0
1/10/21 1:15	13.75	162.7	13.62	7.306	29.31	0
1/10/21 1:30	12.9	158.3	17.08	7.233	29.31	0
1/10/21 1:45	9.55	164.8	11.42	6.933	29.31	0
1/10/21 2:00	11.28	129.9	12.9	6.656	29.3	0
1/10/21 2:15	9.84	129	10.16	6.409	29.3	0.01
1/10/21 2:30	13.29	121.2	10.54	6.387	29.3	0
1/10/21 2:45	13.99	105	11.78	6.55	29.3	0.01
1/10/21 3:00	12.63	128.5	12.51	6.145	29.32	0
1/10/21 3:15	6.335	123.8	24.38	6.011	29.32	0.01
1/10/21 3:30	10.21	132.1	16.28	6.18	29.32	0
1/10/21 3:45	7.346	112.7	18.87	6.345	29.32	0
1/10/21 4:00	11.64	119.5	13.17	6.66	29.31	0
1/10/21 4:15	11.05	119	10.1	6.751	29.31	0
1/10/21 4:30	7.19	131.1	14.1	6.605	29.31	0
1/10/21 4:45	7.607	133.4	11.18	6.388	29.31	0
1/10/21 5:00	6.918	118.8	13.04	6.367	29.35	0
1/10/21 5:15	7.887	112.6	11.15	6.111	29.35	0
1/10/21 5:30	10.37	115.1	10.89	6.076	29.35	0
1/10/21 5:45	12.12	122.5	11.45	6.057	29.35	0
1/10/21 6:00	11.05	132.4	10.09	5.996	29.34	0
1/10/21 6:15	11.23	136.2	10.21	6.097	29.34	0
1/10/21 6:30	10.34	132.5	10.53	6.25	29.34	0
1/10/21 6:45	8.9	124	11.62	6.399	29.34	0
1/10/21 7:00	5.029	88	27.47	6.226	29.38	0
1/10/21 7:15	3.783	94.1	37.01	5.904	29.38	0
1/10/21 7:30	3.307	115.4	20.82	5.929	29.38	0
1/10/21 7:45	5.686	122.3	18.56	5.838	29.38	0
1/10/21 8:00	7.164	92.3	16.06	5.74	29.38	0
1/10/21 8:15	9.16	106.5	15.89	5.884	29.38	0
1/10/21 8:30	13.08	120	11.04	6.185	29.38	0
1/10/21 8:45	12.35	118.9	10.88	6.416	29.38	0
1/10/21 9:00	11.53	122.5	9.95	6.67	29.4	0
1/10/21 9:15	11.76	129	11.5	6.807	29.4	0
1/10/21 9:30	10.82	126.1	11.56	6.832	29.4	0
1/10/21 9:45	11.28	126.5	9.98	6.907	29.4	0
1/10/21 10:00	10.82	121.4	9.29	7.176	29.39	0
1/10/21 10:15	9.26	133.8	10.49	7.495	29.39	0
1/10/21 10:30	10.12	132	10.41	7.794	29.39	0
1/10/21 10:45	10.32	124.1	11.15	7.978	29.39	0
1/10/21 11:00	9.6	127.4	10.78	8.39	29.39	0
1/10/21 11:15	9.8	129.4	10.58	8.6	29.39	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/10/21 11:30	9.05	136.3	12.07	8.97	29.39	0
1/10/21 11:45	8.12	142.2	11.84	9.21	29.39	0
1/10/21 12:00	6.946	152.1	12.67	9.45	29.38	0
1/10/21 12:15	6.92	150.3	9.2	9.68	29.38	0
1/10/21 12:30	6.569	142.8	11.99	9.88	29.38	0
1/10/21 12:45	5.935	136.1	13.21	10.47	29.38	0
1/10/21 13:00	6.055	148	13.49	10.57	29.4	0
1/10/21 13:15	5.533	155.9	9.83	10.14	29.4	0
1/10/21 13:30	4.519	147.1	8.49	10.23	29.4	0
1/10/21 13:45	3.496	140.5	13.43	10.46	29.4	0
1/10/21 14:00	3.775	131.7	14.56	10.56	29.38	0
1/10/21 14:15	3.687	118.4	20.4	10.48	29.38	0
1/10/21 14:30	3.249	154.9	44.57	10.02	29.38	0
1/10/21 14:45	3.263	130.7	9.51	10.17	29.38	0
1/10/21 15:00	2.615	135.5	12.96	10.32	29.4	0
1/10/21 15:15	4.369	144.3	11.54	10.09	29.4	0
1/10/21 15:30	4.65	151.8	11.15	9.94	29.4	0
1/10/21 15:45	4.885	155.5	9.73	9.65	29.4	0
1/10/21 16:00	4.904	137.9	12.05	9.35	29.38	0
1/10/21 16:15	4.385	120.6	15.06	9.41	29.38	0
1/10/21 16:30	2.47	72.57	27.5	9.02	29.38	0
1/10/21 16:45	4.037	80.6	21.62	8.68	29.38	0
1/10/21 17:00	4.788	86	14.36	8.71	29.36	0
1/10/21 17:15	5.795	92	12.2	8.56	29.36	0
1/10/21 17:30	5.689	109.6	13.27	8.45	29.36	0
1/10/21 17:45	4.482	112.6	12.47	8.41	29.36	0
1/10/21 18:00	5.217	128	12.99	8.21	29.36	0
1/10/21 18:15	6.003	132.7	12.92	8.17	29.36	0
1/10/21 18:30	7.163	147.1	11.01	8.13	29.36	0
1/10/21 18:45	5.693	126	14.85	7.86	29.36	0
1/10/21 19:00	5.816	149.8	13.01	7.932	29.37	0
1/10/21 19:15	7.058	146.2	11.58	8.07	29.37	0
1/10/21 19:30	6.423	124.8	14.13	8.14	29.37	0
1/10/21 19:45	6.096	143.2	13.37	8.21	29.37	0
1/10/21 20:00	6.454	152.8	14.82	8.22	29.38	0
1/10/21 20:15	6.904	158.6	13.74	8.05	29.38	0
1/10/21 20:30	6.686	153.3	13.24	7.838	29.38	0
1/10/21 20:45	7.289	153.3	15.64	7.748	29.38	0
1/10/21 21:00	6.661	170.2	15.1	7.669	29.38	0
1/10/21 21:15	7.143	176	14.03	7.405	29.38	0
1/10/21 21:30	6.968	177.6	12.1	7.309	29.38	0
1/10/21 21:45	7.162	179.2	16.15	7.129	29.38	0
1/10/21 22:00	8.82	151.4	10.44	7.461	29.37	0
1/10/21 22:15	7.828	158.2	13.95	7.55	29.37	0
1/10/21 22:30	7.501	178.7	14.5	7.371	29.37	0
1/10/21 22:45	7.197	181.7	15.6	7.236	29.37	0
1/10/21 23:00	7.823	190.3	11.45	6.941	29.39	0
1/10/21 23:15	7.544	166.5	14.11	7.038	29.39	0
1/10/21 23:30	8.89	158.7	8.88	7.337	29.39	0
1/10/21 23:45	8.46	155.2	14.88	7.458	29.39	0
1/11/21 0:00	7.31	160.7	13.22	7.616	29.38	0
1/11/21 0:15	9.38	150.2	15.05	7.684	29.38	0
1/11/21 0:30	10.05	132.5	11.32	7.994	29.38	0
1/11/21 0:45	10.42	132.9	11.1	8.18	29.38	0
1/11/21 1:00	10.35	136.7	10.56	7.952	29.34	0
1/11/21 1:15	10.24	132.8	11.37	7.89	29.34	0
1/11/21 1:30	10.91	137.5	10.07	7.908	29.34	0
1/11/21 1:45	8.22	141.3	12.51	7.695	29.34	0
1/11/21 2:00	6.98	138.6	12.68	7.818	29.32	0
1/11/21 2:15	6.753	143.9	14.28	7.89	29.32	0
1/11/21 2:30	6.653	143.2	13.41	7.99	29.32	0
1/11/21 2:45	8.71	133.5	12.26	8.03	29.32	0
1/11/21 3:00	11.81	128	9.96	8.3	29.3	0
1/11/21 3:15	11.89	143.2	16.52	8.43	29.3	0
1/11/21 3:30	8.1	162.6	12.68	8.2	29.3	0
1/11/21 3:45	6.648	151.8	13.38	8.06	29.3	0
1/11/21 4:00	6.585	125.5	13.56	7.998	29.33	0
1/11/21 4:15	7.417	135.9	14.17	7.92	29.33	0
1/11/21 4:30	9.25	136.7	10.2	8.06	29.33	0
1/11/21 4:45	10.73	133.4	10.09	8.06	29.33	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/11/21 5:00	9.98	135.1	14.9	8.3	29.31	0
1/11/21 5:15	9.92	134.6	12.68	8.42	29.31	0
1/11/21 5:30	8.72	151.4	15.85	8.32	29.31	0
1/11/21 5:45	7.013	173.5	15.61	8.15	29.31	0
1/11/21 6:00	6.696	151.6	14.61	8.15	29.31	0
1/11/21 6:15	7.952	137.9	11.88	8.16	29.31	0
1/11/21 6:30	8.83	130.8	10.07	8.41	29.31	0
1/11/21 6:45	11.92	129.1	8.97	8.58	29.31	0
1/11/21 7:00	10.89	126.8	9.48	8.62	29.27	0
1/11/21 7:15	11.97	126.2	8.57	8.71	29.27	0
1/11/21 7:30	11.22	128.3	9.84	8.81	29.27	0
1/11/21 7:45	12.46	126	9.51	8.79	29.27	0
1/11/21 8:00	12.13	128	9.99	8.66	29.25	0
1/11/21 8:15	11.69	130.4	9.47	8.58	29.25	0
1/11/21 8:30	10.11	141.3	11.45	8.52	29.25	0
1/11/21 8:45	8.91	154.9	13.9	8.23	29.25	0
1/11/21 9:00	7.633	161	19.5	7.675	29.31	0.01
1/11/21 9:15	7.456	146.5	14.12	7.179	29.31	0.01
1/11/21 9:30	6.892	124.6	12.1	7.063	29.31	0.02
1/11/21 9:45	6.411	149.6	9.08	6.896	29.31	0.01
1/11/21 10:00	6.423	148.6	13.46	6.596	29.32	0.02
1/11/21 10:15	6.109	121.9	8.74	6.465	29.32	0.03
1/11/21 10:30	7.424	107.3	9.05	6.33	29.32	0.04
1/11/21 10:45	7.943	112.7	10.59	6.507	29.32	0.03
1/11/21 11:00	8.78	124.9	13.1	7.034	29.31	0.02
1/11/21 11:15	6.588	151.2	13.66	6.945	29.31	0.03
1/11/21 11:30	4.281	175.3	56.28	6.606	29.31	0.03
1/11/21 11:45	5.458	91.1	32.08	6.656	29.31	0.02
1/11/21 12:00	3.988	38.75	27.16	6.286	29.3	0.02
1/11/21 12:15	3.981	45.68	15.94	6.12	29.3	0.02
1/11/21 12:30	3.712	76.83	23.64	6.296	29.3	0.01
1/11/21 12:45	6.168	121.6	13.25	6.836	29.3	0.01
1/11/21 13:00	13.37	129	9.67	7.084	29.23	0.01
1/11/21 13:15	17.45	129.3	8.87	7.073	29.23	0.01
1/11/21 13:30	19.92	126.2	9.18	7.046	29.23	0
1/11/21 13:45	16.3	122.2	10.41	6.995	29.23	0.01
1/11/21 14:00	15.63	123	10.41	7.034	29.22	0
1/11/21 14:15	16.91	126	9.26	7.053	29.22	0.01
1/11/21 14:30	17.31	123.6	10.26	6.983	29.22	0.01
1/11/21 14:45	16.57	121.5	10.53	7.062	29.22	0.01
1/11/21 15:00	17.01	125.3	9.77	7.3	29.18	0.02
1/11/21 15:15	15.07	128.6	8.97	7.247	29.18	0.02
1/11/21 15:30	12.55	124.5	10.27	7.185	29.18	0.02
1/11/21 15:45	11.5	127.2	9.49	7.176	29.18	0.01
1/11/21 16:00	11.96	123.7	11	6.995	29.14	0.01
1/11/21 16:15	10.7	118.8	11.58	7.016	29.14	0.01
1/11/21 16:30	8.97	114.8	14.25	6.964	29.14	0.01
1/11/21 16:45	5.271	102.6	19.03	6.723	29.14	0.01
1/11/21 17:00	5.682	114.7	16.03	6.779	29.13	0.01
1/11/21 17:15	11.45	123.9	10.61	6.931	29.13	0
1/11/21 17:30	9.49	116.1	11.54	7.025	29.13	0.02
1/11/21 17:45	10.26	124.8	14.16	7.193	29.13	0.01
1/11/21 18:00	13.02	130.4	9.87	7.256	29.07	0.02
1/11/21 18:15	14.79	122.6	10.8	7.277	29.07	0.01
1/11/21 18:30	17.38	121.2	11.27	7.529	29.07	0.01
1/11/21 18:45	16.56	127	9.27	7.265	29.07	0.01
1/11/21 19:00	13.63	123.3	11.4	7.213	29.05	0.01
1/11/21 19:15	11.48	125.9	11.89	7.089	29.05	0.02
1/11/21 19:30	5.258	102.1	26.82	6.934	29.05	0.02
1/11/21 19:45	2.191	53.76	30.44	6.585	29.05	0.02
1/11/21 20:00	1.405	121.5	57.15	6.502	29.04	0.02
1/11/21 20:15	8.13	113.6	19.24	6.764	29.04	0.02
1/11/21 20:30	9.62	114.9	12.29	6.965	29.04	0.02
1/11/21 20:45	12	118.4	10.49	7.154	29.04	0.01
1/11/21 21:00	14.67	121.1	11.31	7.434	29	0.02
1/11/21 21:15	17.68	125.5	9.33	7.439	29	0
1/11/21 21:30	20.49	123.9	10.15	7.465	29	0.01
1/11/21 21:45	19.35	123.5	9.37	7.381	29	0.01
1/11/21 22:00	18.38	123.1	10.28	7.648	28.97	0
1/11/21 22:15	19.95	123	9.54	8.15	28.97	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/11/21 22:30	18.86	121.3	9.18	8.26	28.97	0
1/11/21 22:45	18.98	124.1	9.72	8.6	28.97	0
1/11/21 23:00	18.79	126.4	10.29	8.69	28.92	0
1/11/21 23:15	16.4	127.1	10.42	8.69	28.92	0
1/11/21 23:30	16.59	129.2	9.26	8.52	28.92	0
1/11/21 23:45	16.44	126.3	9.88	8.21	28.92	0.01
1/12/21 0:00	17.09	125.1	8.48	7.983	28.92	0.03
1/12/21 0:15	17.34	124	8.88	7.757	28.92	0.03
1/12/21 0:30	17.63	122.4	8.85	7.759	28.92	0.03
1/12/21 0:45	17.7	119.5	9.19	7.892	28.92	0.02
1/12/21 1:00	18.14	122.4	8.52	8.19	28.91	0.03
1/12/21 1:15	16.78	124.4	9.09	8.11	28.91	0.03
1/12/21 1:30	18.41	122.4	8.88	8.38	28.91	0.03
1/12/21 1:45	18.72	122.8	8.66	8.57	28.91	0.03
1/12/21 2:00	17.65	122.7	9.78	8.54	28.89	0.04
1/12/21 2:15	18.14	124	10.41	8.63	28.89	0.03
1/12/21 2:30	20.16	118.4	10.67	8.97	28.89	0.05
1/12/21 2:45	17.8	128.6	9.65	8.45	28.89	0.06
1/12/21 3:00	18.18	124	8.78	7.977	28.86	0.06
1/12/21 3:15	17.98	122.5	8.51	8.24	28.86	0.05
1/12/21 3:30	16.14	123.6	8.01	8.58	28.86	0.04
1/12/21 3:45	15.88	121	8.47	8.67	28.86	0.03
1/12/21 4:00	15.24	121.7	8.26	8.48	28.83	0.04
1/12/21 4:15	14.94	119.1	8.6	8.57	28.83	0.03
1/12/21 4:30	14.13	116.3	8.61	8.87	28.83	0.02
1/12/21 4:45	12.95	120.1	8.1	9.18	28.83	0.02
1/12/21 5:00	12.28	122.4	8.67	9.12	28.83	0.02
1/12/21 5:15	11.36	122.4	8.58	9	28.83	0.03
1/12/21 5:30	10.59	126.6	9.75	8.87	28.83	0.03
1/12/21 5:45	10.37	132.4	10.47	8.8	28.83	0.04
1/12/21 6:00	10.28	126.5	10.49	8.81	28.83	0.04
1/12/21 6:15	11.13	124.8	10.11	8.9	28.83	0.03
1/12/21 6:30	10.83	124.8	9.36	8.75	28.83	0.01
1/12/21 6:45	11.64	120.4	8.14	8.88	28.83	0.05
1/12/21 7:00	11.71	122.1	8.23	9.08	28.82	0.03
1/12/21 7:15	12.1	120.1	9	9.17	28.82	0.02
1/12/21 7:30	11.63	119.9	8.4	9.34	28.82	0.01
1/12/21 7:45	11.64	124.9	8.57	9.38	28.82	0.01
1/12/21 8:00	11.34	123.4	8.08	9.4	28.82	0.02
1/12/21 8:15	11.65	122.8	7.136	9.41	28.82	0.01
1/12/21 8:30	10.16	125.7	9.15	9.58	28.82	0.02
1/12/21 8:45	9.22	136.9	8.25	9.61	28.82	0.05
1/12/21 9:00	8.5	140	9.66	9.65	28.85	0.04
1/12/21 9:15	7.294	141	7.455	9.65	28.85	0.05
1/12/21 9:30	7.739	138.1	7.708	9.76	28.85	0.05
1/12/21 9:45	7.771	139.3	7.819	9.9	28.85	0.04
1/12/21 10:00	7.023	130.6	8.56	10.02	28.92	0.02
1/12/21 10:15	7.175	136.8	9.44	10.24	28.92	0.02
1/12/21 10:30	7.58	140.5	8.57	10.37	28.92	0.01
1/12/21 10:45	8.42	141.2	6.117	10.38	28.92	0.01
1/12/21 11:00	8.25	145.1	8.09	10.51	28.97	0.01
1/12/21 11:15	8.09	152.5	9.44	10.65	28.97	0.02
1/12/21 11:30	8.79	147.6	9.23	10.81	28.97	0.02
1/12/21 11:45	10.07	157.9	11.58	10.96	28.97	0.01
1/12/21 12:00	11.01	161.5	8.56	11.1	28.93	0
1/12/21 12:15	9.68	155.8	9.37	11.27	28.93	0
1/12/21 12:30	10.24	148	9.12	11.43	28.93	0
1/12/21 12:45	9.76	150.5	7.804	11.5	28.93	0
1/12/21 13:00	9.12	154.2	9.96	11.52	28.94	0.01
1/12/21 13:15	10.29	162.2	9.67	11.6	28.94	0.01
1/12/21 13:30	8.02	149.3	10.22	11.62	28.94	0
1/12/21 13:45	7.333	131.2	9.1	11.61	28.94	0.01
1/12/21 14:00	6.242	126.9	12.62	11.72	28.93	0.01
1/12/21 14:15	5.44	126.3	10.61	11.66	28.93	0
1/12/21 14:30	4.281	119.4	13.42	11.69	28.93	0
1/12/21 14:45	5.133	116.5	8.88	11.65	28.93	0
1/12/21 15:00	4.899	124.1	9.81	11.82	28.92	0
1/12/21 15:15	4.041	126.2	13.27	11.94	28.92	0
1/12/21 15:30	5.396	128.8	10.41	11.99	28.92	0
1/12/21 15:45	5.714	126.3	8.85	12.1	28.92	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/12/21 16:00	6.068	127.6	6.319	12.06	28.89	0
1/12/21 16:15	7.461	124.8	6.896	11.97	28.89	0
1/12/21 16:30	8.45	134	8.54	11.87	28.89	0
1/12/21 16:45	6.529	127.2	18.28	11.76	28.89	0
1/12/21 17:00	7.996	151.7	18.67	11.23	28.85	0.01
1/12/21 17:15	8.93	149.3	11.51	10.88	28.85	0.06
1/12/21 17:30	8.01	122.5	11.14	10.83	28.85	0.05
1/12/21 17:45	7.835	115	13.66	11.06	28.85	0.03
1/12/21 18:00	9.51	128	8.73	11.25	28.84	0.03
1/12/21 18:15	7.932	143.1	12.92	11.04	28.84	0.02
1/12/21 18:30	6.979	127.3	24.65	10.84	28.84	0.07
1/12/21 18:45	8.78	130.9	10.71	10.97	28.84	0.06
1/12/21 19:00	12.59	128	11.02	11	28.77	0.05
1/12/21 19:15	13.96	119.9	8.65	11.27	28.77	0.02
1/12/21 19:30	11.92	125.9	10.73	11.55	28.77	0.01
1/12/21 19:45	11.31	130.8	8.93	11.42	28.77	0
1/12/21 20:00	12	127.9	8.02	11.45	28.77	0.01
1/12/21 20:15	12.08	137	7.776	11.61	28.77	0.03
1/12/21 20:30	11.16	131.3	8.89	11.58	28.77	0.02
1/12/21 20:45	11.01	135.8	8.04	11.96	28.77	0.03
1/12/21 21:00	10.91	141.8	6.777	12.18	28.73	0.03
1/12/21 21:15	13.48	143.4	7.197	12.37	28.73	0.03
1/12/21 21:30	15.04	138.4	7.477	12.61	28.73	0.02
1/12/21 21:45	14.46	139.2	7.251	12.87	28.73	0.03
1/12/21 22:00	14.16	139.1	6.732	12.9	28.7	0.01
1/12/21 22:15	13.21	139.5	6.812	12.96	28.7	0.01
1/12/21 22:30	12.78	150.8	8.4	13	28.7	0.03
1/12/21 22:45	12.63	152.2	5.307	12.82	28.7	0.02
1/12/21 23:00	12.44	148.4	5.371	12.78	28.68	0.02
1/12/21 23:15	13.64	149.4	6.732	12.75	28.68	0.02
1/12/21 23:30	15.27	162.7	9.23	12.87	28.68	0.03
1/12/21 23:45	15.21	162.9	9.01	12.69	28.68	0.04
1/13/21 0:00	15.47	168	7.772	12.66	28.69	0.04
1/13/21 0:15	23.44	189.1	16.45	12.91	28.69	0.05
1/13/21 0:30	34	232.8	10.24	11.97	28.69	0.09
1/13/21 0:45	29.5	224.6	11.81	11.01	28.69	0.02
1/13/21 1:00	30.24	213.7	8.43	10.68	28.78	0
1/13/21 1:15	33.05	217.9	8.87	10.29	28.78	0
1/13/21 1:30	32.08	216.4	9.46	9.55	28.78	0
1/13/21 1:45	33.57	212.9	9.21	8.84	28.78	0
1/13/21 2:00	29.51	208.3	7.917	8.35	28.93	0
1/13/21 2:15	30.55	207.4	8.62	8.07	28.93	0
1/13/21 2:30	30.87	211.5	7.611	7.92	28.93	0
1/13/21 2:45	27.54	208.3	9.54	7.768	28.93	0
1/13/21 3:00	27.86	210.5	8.48	7.583	29.04	0
1/13/21 3:15	25.16	207.8	8.59	7.323	29.04	0
1/13/21 3:30	23.13	216.5	9.77	7.163	29.04	0
1/13/21 3:45	26.45	210.9	9.68	7.069	29.04	0
1/13/21 4:00	24.64	212	8.98	6.954	29.1	0
1/13/21 4:15	22.69	217	10.12	6.94	29.1	0
1/13/21 4:30	22.83	214.5	9.66	6.927	29.1	0
1/13/21 4:45	19.96	215.4	11.53	6.794	29.1	0
1/13/21 5:00	19.56	219.4	9.13	6.693	29.2	0
1/13/21 5:15	14.55	215.6	9.02	6.52	29.2	0
1/13/21 5:30	12.84	208.3	10.17	6.406	29.2	0
1/13/21 5:45	8.01	196.2	24.78	6.301	29.2	0
1/13/21 6:00	3.011	169.1	46.93	6.139	29.27	0
1/13/21 6:15	6.276	173	21.09	6.276	29.27	0
1/13/21 6:30	7.256	174.9	13.85	6.038	29.27	0
1/13/21 6:45	7.122	181.8	13.4	5.934	29.27	0
1/13/21 7:00	9.36	203.6	12.29	5.803	29.31	0
1/13/21 7:15	12.71	206.6	13.12	5.774	29.31	0
1/13/21 7:30	14.66	212.7	9.46	5.661	29.31	0
1/13/21 7:45	17.09	220.7	8.37	5.667	29.31	0
1/13/21 8:00	15.16	225.8	10.03	5.631	29.36	0
1/13/21 8:15	12.59	215.7	13.13	5.537	29.36	0
1/13/21 8:30	9.18	214.6	14.03	5.55	29.36	0
1/13/21 8:45	11.4	223.4	10.3	5.587	29.36	0
1/13/21 9:00	15.32	221.8	10.19	5.665	29.45	0
1/13/21 9:15	12.96	229.1	9.29	5.589	29.45	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/13/21 9:30	11.08	232.8	14.96	5.713	29.45	0
1/13/21 9:45	7.41	226.8	15.61	5.833	29.45	0
1/13/21 10:00	8.81	225.8	12.62	5.813	29.48	0
1/13/21 10:15	8.71	203.4	12.11	5.746	29.48	0
1/13/21 10:30	7.528	205.8	14.14	5.766	29.48	0
1/13/21 10:45	7.746	213.6	16.51	5.87	29.48	0
1/13/21 11:00	7.477	201.2	18.74	5.974	29.56	0
1/13/21 11:15	5.321	180.7	23.47	6.189	29.56	0
1/13/21 11:30	6.267	178.4	16.74	6.763	29.56	0
1/13/21 11:45	6.813	175.8	15.48	6.688	29.56	0
1/13/21 12:00	3.736	180.2	33.85	6.996	29.57	0
1/13/21 12:15	6.972	214.6	21.52	7.103	29.57	0
1/13/21 12:30	7.701	223.2	15.01	7.256	29.57	0
1/13/21 12:45	6.395	225.2	11.25	7.471	29.57	0
1/13/21 13:00	6.08	227	15.74	7.588	29.55	0
1/13/21 13:15	6.527	214	13.67	7.799	29.55	0
1/13/21 13:30	6.168	222.3	8.88	7.8	29.55	0
1/13/21 13:45	8.55	214.3	9.99	7.817	29.55	0
1/13/21 14:00	8.02	216.1	9.96	7.935	29.57	0
1/13/21 14:15	8.39	210.5	7.795	7.828	29.57	0
1/13/21 14:30	8.06	215.4	9.16	7.714	29.57	0
1/13/21 14:45	8.43	221.2	8.5	7.925	29.57	0
1/13/21 15:00	9.59	228.4	11.19	8.1	29.62	0
1/13/21 15:15	12.4	225.5	8.51	8.05	29.62	0
1/13/21 15:30	12.58	233.4	8.24	7.912	29.62	0
1/13/21 15:45	11.81	235	8.64	8.21	29.62	0
1/13/21 16:00	11.01	233.7	9.76	8.26	29.66	0
1/13/21 16:15	8.25	227.6	9.75	8.13	29.66	0
1/13/21 16:30	8.24	211.9	5.259	7.848	29.66	0
1/13/21 16:45	7.147	206.6	7.102	7.744	29.66	0
1/13/21 17:00	6.865	197.7	11.38	7.614	29.68	0
1/13/21 17:15	4.975	177.3	15.89	7.154	29.68	0
1/13/21 17:30	4.594	175.2	15.12	6.87	29.68	0
1/13/21 17:45	3.203	147.9	6.211	6.682	29.68	0
1/13/21 18:00	3.033	131.9	14.19	6.676	29.67	0
1/13/21 18:15	3.225	130.1	15.59	6.541	29.67	0
1/13/21 18:30	3.663	141.7	10.09	6.471	29.67	0
1/13/21 18:45	4.174	151.6	7.999	6.447	29.67	0
1/13/21 19:00	3.73	147.2	6.345	6.405	29.68	0
1/13/21 19:15	2.911	125.1	12.53	6.347	29.68	0
1/13/21 19:30	3.305	109.9	11.43	5.981	29.68	0
1/13/21 19:45	3.648	123.1	5.967	6.127	29.68	0
1/13/21 20:00	4.356	129.6	5.765	6.146	29.67	0
1/13/21 20:15	4.49	122.2	7.17	6.026	29.67	0
1/13/21 20:30	4.732	134	5.426	5.952	29.67	0
1/13/21 20:45	4.436	111.8	11.79	5.186	29.67	0
1/13/21 21:00	6.138	117.3	5.812	5.695	29.65	0
1/13/21 21:15	5.161	113	7.624	5.827	29.65	0
1/13/21 21:30	4.834	121.9	9.52	5.777	29.65	0
1/13/21 21:45	3.869	152.1	9.59	5.604	29.65	0
1/13/21 22:00	4.121	156.1	14.32	4.705	29.67	0
1/13/21 22:15	3.923	145.7	11.17	4.855	29.67	0
1/13/21 22:30	4.426	157.1	12.25	4.754	29.67	0
1/13/21 22:45	4.961	137.7	7.666	4.753	29.67	0
1/13/21 23:00	5.234	114.7	14.79	4.897	29.69	0
1/13/21 23:15	5.147	114.9	20.4	4.526	29.69	0
1/13/21 23:30	5.039	154.4	8.16	5.254	29.69	0
1/13/21 23:45	3.698	124.1	27.86	5.211	29.69	0
1/14/21 0:00	4.383	71.84	8.45	4.279	29.69	0
1/14/21 0:15	4.569	86.5	7.912	5.069	29.69	0
1/14/21 0:30	4.147	80.5	13.91	4.721	29.69	0
1/14/21 0:45	4.54	68.8	7.538	4.73	29.69	0
1/14/21 1:00	3.314	66.84	13.81	4.119	29.65	0
1/14/21 1:15	2.323	43.48	17.47	3.451	29.65	0
1/14/21 1:30	3.308	14.65	5.995	3.363	29.65	0
1/14/21 1:45	4.715	13.68	7.169	3.155	29.65	0
1/14/21 2:00	3.127	37.88	9.13	3.291	29.65	0
1/14/21 2:15	4.854	21.38	7.662	3.135	29.65	0
1/14/21 2:30	5.48	24.58	6.831	3.081	29.65	0
1/14/21 2:45	5.271	28.48	8.86	2.986	29.65	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/14/21 3:00	4.511	23.96	10.89	2.962	29.64	0
1/14/21 3:15	4.778	34.67	13.32	3.077	29.64	0
1/14/21 3:30	4.055	28.83	11.83	2.835	29.64	0
1/14/21 3:45	3.757	17.85	16.95	3.204	29.64	0
1/14/21 4:00	3.949	17.2	8.75	2.991	29.62	0
1/14/21 4:15	3.315	29.95	9.43	3.677	29.62	0
1/14/21 4:30	3.365	17.27	9.93	3.683	29.62	0
1/14/21 4:45	4.37	27.95	5.251	3.709	29.62	0
1/14/21 5:00	5.126	23.35	5.566	3.973	29.6	0
1/14/21 5:15	4.658	24.89	6.357	4.019	29.6	0
1/14/21 5:30	3.463	19.07	8.73	4.04	29.6	0
1/14/21 5:45	4.259	32.38	11.6	3.814	29.6	0
1/14/21 6:00	5.595	22.65	8.54	3.48	29.57	0
1/14/21 6:15	5.344	20.37	7.356	4.137	29.57	0
1/14/21 6:30	5.693	25.05	9.52	3.92	29.57	0
1/14/21 6:45	5.285	18.55	9.72	3.878	29.57	0
1/14/21 7:00	4.668	1.633	22.65	3.618	29.54	0
1/14/21 7:15	5.293	322.8	16.43	4.591	29.54	0
1/14/21 7:30	3.262	336.2	31.7	4.404	29.54	0
1/14/21 7:45	4.221	311.3	20.27	4.819	29.54	0
1/14/21 8:00	4.841	298.1	24.34	4.722	29.54	0
1/14/21 8:15	5.902	273.1	11.97	5.411	29.54	0
1/14/21 8:30	3.177	253	58.81	5	29.54	0
1/14/21 8:45	3.909	110.6	18.08	5.208	29.54	0
1/14/21 9:00	7.408	109.1	11.46	5.805	29.58	0
1/14/21 9:15	8.22	187.6	21.43	3.747	29.58	0
1/14/21 9:30	7.724	183.8	12.35	3.912	29.58	0
1/14/21 9:45	6.173	174.3	10.71	6.227	29.58	0
1/14/21 10:00	6.002	173.3	15.65	6.869	29.59	0
1/14/21 10:15	5.581	119.4	57.25	6.619	29.59	0
1/14/21 10:30	2.246	73.33	39.49	6.423	29.59	0
1/14/21 10:45	3.422	38.91	24.02	5.818	29.59	0
1/14/21 11:00	3.424	57.85	16.1	5.973	29.56	0
1/14/21 11:15	4.262	83.6	16.99	7.445	29.56	0
1/14/21 11:30	4.761	121.2	24.12	9.09	29.56	0
1/14/21 11:45	7.575	132.3	15.8	10.58	29.56	0
1/14/21 12:00	9.79	138.8	13.36	11.32	29.55	0
1/14/21 12:15	9.3	134.3	20.17	11.88	29.55	0
1/14/21 12:30	7.54	115.6	21.06	11.71	29.55	0
1/14/21 12:45	6.903	104.2	25.47	11.86	29.55	0
1/14/21 13:00	4.992	99.1	25.17	11.95	29.53	0
1/14/21 13:15	6.135	107.7	20.62	12.23	29.53	0
1/14/21 13:30	9.52	120	17.48	12.6	29.53	0
1/14/21 13:45	7.524	114.5	16.68	12.65	29.53	0
1/14/21 14:00	7.275	111.7	17.84	12.19	29.49	0
1/14/21 14:15	10.31	126.8	14.85	12.23	29.49	0
1/14/21 14:30	13.27	132.8	9.92	12.44	29.49	0
1/14/21 14:45	11.58	129.8	11.57	12.43	29.49	0
1/14/21 15:00	8.74	137.2	13.25	12.37	29.5	0
1/14/21 15:15	9.72	137.9	13.88	12.16	29.5	0
1/14/21 15:30	12.72	135.9	12.95	11.95	29.5	0
1/14/21 15:45	14.14	131.5	11.65	11.72	29.5	0
1/14/21 16:00	15.36	131.6	10.08	11.74	29.48	0
1/14/21 16:15	15.24	128.7	12.52	11.68	29.48	0
1/14/21 16:30	15.95	132.3	10.17	11.3	29.48	0
1/14/21 16:45	16.73	135.3	11.6	11.1	29.48	0
1/14/21 17:00	16.56	132.2	10.31	10.93	29.47	0
1/14/21 17:15	15.63	136.9	10.52	10.73	29.47	0
1/14/21 17:30	15.44	129.9	10.92	10.59	29.47	0
1/14/21 17:45	14.45	131.9	11.78	10.58	29.47	0
1/14/21 18:00	13.98	130.1	12.21	10.37	29.44	0
1/14/21 18:15	15.56	132.3	11.31	10.34	29.44	0
1/14/21 18:30	16.87	136.3	10.31	10.53	29.44	0
1/14/21 18:45	14.33	132.7	11.55	10.47	29.44	0
1/14/21 19:00	13.21	139.8	15.29	10.47	29.45	0
1/14/21 19:15	15.05	157.8	9.71	10.26	29.45	0
1/14/21 19:30	14.2	155	10.47	10.18	29.45	0
1/14/21 19:45	14.55	144.8	12.05	10.33	29.45	0
1/14/21 20:00	14.96	155.8	12.39	10.35	29.48	0
1/14/21 20:15	14.18	170	12.36	10.26	29.48	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/14/21 20:30	15.64	165.9	13.79	10.14	29.48	0
1/14/21 20:45	13.95	143.3	12.68	10.44	29.48	0
1/14/21 21:00	10.27	122.4	14.84	10.89	29.45	0
1/14/21 21:15	8.2	123.3	16.58	11.02	29.45	0
1/14/21 21:30	8.65	125.3	17.62	10.66	29.45	0
1/14/21 21:45	6.017	129.4	46.71	10.4	29.45	0
1/14/21 22:00	6.428	187.5	16.81	10.19	29.48	0
1/14/21 22:15	6.944	145.5	14.3	9.7	29.48	0
1/14/21 22:30	8.54	157	10.28	9.61	29.48	0
1/14/21 22:45	7.754	147.4	14.25	9.71	29.48	0
1/14/21 23:00	5.943	160.6	30.35	9.62	29.51	0
1/14/21 23:15	8.06	152.5	19.91	9.62	29.51	0
1/14/21 23:30	8.53	147.8	17.68	9.16	29.51	0
1/14/21 23:45	8.41	125.3	11.88	9.3	29.51	0
1/15/21 0:00	11.06	126.6	11.75	9.21	29.51	0
1/15/21 0:15	12.93	135.3	11.62	8.48	29.51	0
1/15/21 0:30	14.18	133.3	10.88	6.929	29.51	0
1/15/21 0:45	15.74	129.5	9.56	6.021	29.51	0.01
1/15/21 1:00	14.87	131.4	10.51	5.743	29.49	0
1/15/21 1:15	13.54	132.7	10.48	5.715	29.49	0
1/15/21 1:30	13.98	132.3	9.79	6.355	29.49	0.01
1/15/21 1:45	10.94	131.2	9.39	6.454	29.49	0
1/15/21 2:00	10.13	136.2	10.36	6.522	29.48	0
1/15/21 2:15	9.3	139.6	10.4	6.441	29.48	0.01
1/15/21 2:30	10.04	136	9.31	6.63	29.48	0
1/15/21 2:45	8.57	148.4	14.04	6.875	29.48	0
1/15/21 3:00	7.201	158.5	10.76	6.794	29.5	0
1/15/21 3:15	7.143	161	16.87	6.825	29.5	0
1/15/21 3:30	6.421	145.9	9.24	6.708	29.5	0.01
1/15/21 3:45	7.186	146.4	9.17	6.821	29.5	0.01
1/15/21 4:00	6.284	141.2	11.59	7.013	29.49	0.01
1/15/21 4:15	5.445	148.8	11.67	7.044	29.49	0.01
1/15/21 4:30	5.012	128.9	17.67	7.153	29.49	0
1/15/21 4:45	4.772	136.8	12.66	7.381	29.49	0
1/15/21 5:00	5.054	130.2	8.54	7.576	29.5	0.01
1/15/21 5:15	3.019	146.6	13.43	7.915	29.5	0
1/15/21 5:30	4.095	159.5	8.64	7.673	29.5	0
1/15/21 5:45	2.484	177.4	24.54	7.804	29.5	0
1/15/21 6:00	3.764	193.2	8.18	7.772	29.53	0
1/15/21 6:15	2.431	194.8	58.42	7.633	29.53	0.01
1/15/21 6:30	3.539	281.1	10.92	7.576	29.53	0
1/15/21 6:45	4.419	296.9	5.338	7.703	29.53	0
1/15/21 7:00	3.251	302.5	5.346	7.76	29.56	0
1/15/21 7:15	1.025	277.2	19.91	7.715	29.56	0.01
1/15/21 7:30	3.159	188.3	9.09	7.315	29.56	0
1/15/21 7:45	2.369	179.9	5.975	7.218	29.56	0.01
1/15/21 8:00	0.215	53.05	28.77	7.322	29.57	0
1/15/21 8:15	1.155	32.53	6.167	7.471	29.57	0
1/15/21 8:30	2.436	59.4	19.98	7.295	29.57	0
1/15/21 8:45	4.499	60.67	16.82	7.507	29.57	0
1/15/21 9:00	5.416	54.94	10.75	7.574	29.55	0
1/15/21 9:15	4.029	75.82	23.56	7.622	29.55	0.01
1/15/21 9:30	3.282	21.46	19.41	7.75	29.55	0
1/15/21 9:45	1.49	324.7	19.21	7.745	29.55	0
1/15/21 10:00	0.459	233.5	35.39	7.859	29.56	0
1/15/21 10:15	0.936	92	47.15	7.71	29.56	0
1/15/21 10:30	1.123	152.6	24.4	7.881	29.56	0
1/15/21 10:45	0.997	103.3	37.9	8.42	29.56	0
1/15/21 11:00	2.356	169.5	15.24	8.8	29.57	0
1/15/21 11:15	2.777	172.4	12.16	8.74	29.57	0
1/15/21 11:30	3.787	148.9	14.84	9.14	29.57	0
1/15/21 11:45	4.677	140.9	13.63	8.76	29.57	0
1/15/21 12:00	3.153	150.6	12.97	8.8	29.54	0
1/15/21 12:15	2.116	129.6	15.77	8.91	29.54	0
1/15/21 12:30	1.698	31.62	38.5	8.9	29.54	0
1/15/21 12:45	2.448	4.416	14.94	8.76	29.54	0
1/15/21 13:00	1.125	20.39	19.8	8.96	29.56	0
1/15/21 13:15	1.236	46.79	15.87	9.2	29.56	0
1/15/21 13:30	0.998	74.11	29.58	9.28	29.56	0
1/15/21 13:45	1.984	65.67	19.51	9.22	29.56	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/15/21 14:00	1.29	68.12	27.97	9.51	29.57	0
1/15/21 14:15	1.966	23.17	7.882	9.73	29.57	0
1/15/21 14:30	3.01	47.61	22.45	9.76	29.57	0
1/15/21 14:45	2.665	68.7	9.6	9.25	29.57	0
1/15/21 15:00	2.913	100.8	58.02	10.11	29.58	0
1/15/21 15:15	4.582	169.7	15.22	10.41	29.58	0
1/15/21 15:30	3.7	145.1	13.84	9.95	29.58	0
1/15/21 15:45	3.465	129	7.332	9.5	29.58	0
1/15/21 16:00	2.851	93	20.47	9.29	29.59	0
1/15/21 16:15	2.185	59.19	5.403	9.13	29.59	0
1/15/21 16:30	2.091	56.33	13.08	9.03	29.59	0
1/15/21 16:45	1.553	44.6	4.654	8.93	29.59	0
1/15/21 17:00	1.213	49.02	2.398	9	29.62	0
1/15/21 17:15	1.927	48.18	8.16	8.54	29.62	0
1/15/21 17:30	1.227	85	32.93	7.957	29.62	0
1/15/21 17:45	2.174	56.45	23.5	7.562	29.62	0
1/15/21 18:00	1.699	37.79	11.94	7.303	29.6	0
1/15/21 18:15	3.288	32.46	5.118	6.892	29.6	0
1/15/21 18:30	2.696	27.74	5.248	6.741	29.6	0
1/15/21 18:45	2.851	42.32	5.844	6.722	29.6	0
1/15/21 19:00	2.087	34.05	7.57	7.133	29.59	0
1/15/21 19:15	1.416	155.5	22.22	7.323	29.59	0
1/15/21 19:30	1.359	123.3	15.9	7.289	29.59	0
1/15/21 19:45	1.775	140.7	66.01	7.242	29.59	0
1/15/21 20:00	0.517	42.53	2.459	6.697	29.63	0
1/15/21 20:15	0.479	69.81	9.03	7.125	29.63	0
1/15/21 20:30	1.945	107.8	21.86	7.15	29.63	0
1/15/21 20:45	3.102	148.7	16.14	6.97	29.63	0
1/15/21 21:00	2.42	143.5	22.88	6.94	29.6	0
1/15/21 21:15	1.424	60.99	14.74	6.293	29.6	0
1/15/21 21:30	4.201	105.7	5.695	6.001	29.6	0
1/15/21 21:45	2.866	106.7	6.328	5.857	29.6	0
1/15/21 22:00	1.45	83.7	8.32	6.321	29.6	0
1/15/21 22:15	2.075	134.3	18.64	6.408	29.6	0
1/15/21 22:30	1.59	123.3	4.36	5.991	29.6	0
1/15/21 22:45	1.928	146.3	8.36	5.715	29.6	0
1/15/21 23:00	1.156	86.7	25.86	5.182	29.62	0
1/15/21 23:15	0.799	72.14	6.483	5.036	29.62	0
1/15/21 23:30	2.069	144.2	17.04	5.206	29.62	0
1/15/21 23:45	1.529	173.1	14.02	5.129	29.62	0
1/16/21 0:00	1.264	60.8	63.52	4.648	29.62	0
1/16/21 0:15	1.117	18.71	3.416	4.235	29.62	0
1/16/21 0:30	0.271	331.2	25.6	4.322	29.62	0
1/16/21 0:45	1.194	268.9	34.81	4.368	29.62	0
1/16/21 1:00	1.772	181.6	24.63	4.069	29.61	0
1/16/21 1:15	0.898	135.5	46.84	4.037	29.61	0
1/16/21 1:30	1.166	43.96	3.064	3.546	29.61	0
1/16/21 1:45	0.11	43.63	2.06	3.355	29.61	0
1/16/21 2:00	1.921	74.37	11.29	3.281	29.6	0
1/16/21 2:15	2.639	111.7	18.87	2.985	29.6	0
1/16/21 2:30	3.022	134.1	20.67	3.378	29.6	0
1/16/21 2:45	1.606	79.91	11.45	3.265	29.6	0
1/16/21 3:00	0.649	121.2	38.25	3.399	29.6	0
1/16/21 3:15	2.025	177.5	39.82	3.422	29.6	0
1/16/21 3:30	0.358	71.31	30.96	3.055	29.6	0
1/16/21 3:45	1.454	333.3	31.34	2.789	29.6	0
1/16/21 4:00	0	0	0	3.107	29.59	0
1/16/21 4:15	0.42	6.686	5.302	3.278	29.59	0
1/16/21 4:30	1	358.2	26.9	3.127	29.59	0
1/16/21 4:45	0.756	309.8	14.04	3.298	29.59	0
1/16/21 5:00	2.09	103.1	69.49	2.908	29.58	0
1/16/21 5:15	2.561	130.1	4.907	3.098	29.58	0
1/16/21 5:30	1.423	106.7	5.162	3.505	29.58	0
1/16/21 5:45	0.994	81.8	40.94	3.599	29.58	0
1/16/21 6:00	3.024	354.4	13.15	3.876	29.57	0
1/16/21 6:15	3.54	318.4	6.869	3.402	29.57	0
1/16/21 6:30	3.758	289	12.98	3.586	29.57	0
1/16/21 6:45	3.409	270.7	7.914	3.631	29.57	0
1/16/21 7:00	4.008	289.6	3.969	3.662	29.57	0
1/16/21 7:15	4.043	288.9	4.241	3.518	29.57	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/16/21 7:30	2.076	282	9.32	3.461	29.57	0
1/16/21 7:45	1.319	163.3	50.75	3.13	29.57	0
1/16/21 8:00	3.04	125.8	6.373	2.934	29.54	0
1/16/21 8:15	2.602	117.2	6.606	3.069	29.54	0
1/16/21 8:30	1.349	87.6	24.54	3.489	29.54	0
1/16/21 8:45	0.526	45.65	13.79	3.921	29.54	0
1/16/21 9:00	0.927	198.1	22.73	3.975	29.55	0
1/16/21 9:15	3.185	221.8	7.476	4.579	29.55	0
1/16/21 9:30	2.974	224.1	11.88	4.686	29.55	0
1/16/21 9:45	2.936	200.7	7.428	4.394	29.55	0
1/16/21 10:00	3.809	163	9.61	4.367	29.54	0
1/16/21 10:15	3.962	158.9	5.915	4.357	29.54	0
1/16/21 10:30	2.132	134.1	17.1	4.638	29.54	0
1/16/21 10:45	1.798	121.7	9.45	5.307	29.54	0
1/16/21 11:00	2.634	181.5	29.86	5.801	29.54	0
1/16/21 11:15	3.329	193.5	10.17	5.707	29.54	0
1/16/21 11:30	4.211	206.5	8.59	6.103	29.54	0
1/16/21 11:45	3.521	220.8	10.24	6.188	29.54	0
1/16/21 12:00	0.6	285.8	43.01	6.514	29.52	0
1/16/21 12:15	2.189	309.1	58.36	6.761	29.52	0
1/16/21 12:30	4.151	300.1	8.8	6.507	29.52	0
1/16/21 12:45	1.955	13.99	40.21	6.638	29.52	0
1/16/21 13:00	2.851	19.94	13.6	6.427	29.55	0
1/16/21 13:15	2.167	341.8	19.56	6.615	29.55	0
1/16/21 13:30	3.238	327	11.3	6.983	29.55	0
1/16/21 13:45	3.07	327	20.74	7.071	29.55	0
1/16/21 14:00	1.696	43.69	7.334	6.589	29.56	0
1/16/21 14:15	2.285	40.81	10.33	6.359	29.56	0
1/16/21 14:30	1.574	61.72	10.7	6.37	29.56	0
1/16/21 14:45	1.468	85.3	31.42	6.516	29.56	0
1/16/21 15:00	2.031	144.7	11.9	6.81	29.54	0
1/16/21 15:15	1.276	170.3	30.7	7.123	29.54	0
1/16/21 15:30	1.947	274.5	23.02	7.234	29.54	0
1/16/21 15:45	2.896	17.87	25.85	6.936	29.54	0
1/16/21 16:00	1.877	24.71	7.456	6.134	29.53	0
1/16/21 16:15	1.937	19.69	12.36	6.115	29.53	0
1/16/21 16:30	2.377	36.59	8.44	6.005	29.53	0
1/16/21 16:45	1.71	23.17	17.07	5.869	29.53	0
1/16/21 17:00	2.028	271.2	27.27	6.29	29.54	0
1/16/21 17:15	0.979	306.7	35.2	6.262	29.54	0
1/16/21 17:30	0.65	3.261	7.902	6.023	29.54	0
1/16/21 17:45	1.368	288	7.577	6.068	29.54	0
1/16/21 18:00	1.31	54.99	3.916	5.812	29.51	0
1/16/21 18:15	2.035	66.34	10.99	5.568	29.51	0
1/16/21 18:30	2.766	108.6	11.69	5.575	29.51	0
1/16/21 18:45	3.906	137.6	11.97	5.778	29.51	0
1/16/21 19:00	5.035	175.1	11.76	5.75	29.51	0
1/16/21 19:15	5.404	164	13.4	5.75	29.51	0
1/16/21 19:30	4.844	151.7	13.59	5.54	29.51	0
1/16/21 19:45	6.051	190.9	9.53	5.638	29.51	0
1/16/21 20:00	6.163	192.2	8.87	5.356	29.47	0
1/16/21 20:15	5.598	187	12.25	5.693	29.47	0
1/16/21 20:30	3.864	166.6	6.746	5.786	29.47	0
1/16/21 20:45	2.225	182.9	49.93	6.067	29.47	0
1/16/21 21:00	3.773	274.1	7.484	5.474	29.51	0
1/16/21 21:15	2.772	276.5	11.07	5.565	29.51	0
1/16/21 21:30	0.243	292.2	16.49	5.422	29.51	0
1/16/21 21:45	1.238	64.55	7.852	5.216	29.51	0
1/16/21 22:00	2.127	87.2	16.18	5.136	29.5	0
1/16/21 22:15	4.659	162.3	18.63	5.595	29.5	0
1/16/21 22:30	6.794	192.2	7.13	5.251	29.5	0
1/16/21 22:45	6.896	176.8	12.02	5.371	29.5	0
1/16/21 23:00	5.469	134.9	10.21	5.607	29.5	0
1/16/21 23:15	4.329	122.3	18.59	5.707	29.5	0
1/16/21 23:30	2.876	108.1	19.17	5.349	29.5	0
1/16/21 23:45	5.567	133.3	13.89	5.981	29.5	0
1/17/21 0:00	5.188	156.7	37.93	5.784	29.52	0.01
1/17/21 0:15	7.116	177.4	7.704	5.433	29.52	0
1/17/21 0:30	5.379	166.6	13.7	5.664	29.52	0
1/17/21 0:45	5.071	163	11.58	5.262	29.52	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/17/21 1:00	6.346	139	21.23	5.396	29.51	0
1/17/21 1:15	3.444	105.8	19.17	5.064	29.51	0
1/17/21 1:30	4.654	127.2	20.22	5.813	29.51	0.01
1/17/21 1:45	6.837	151.2	23.51	5.677	29.51	0
1/17/21 2:00	7.173	133.1	19.46	5.53	29.51	0.01
1/17/21 2:15	7.623	140.4	12.42	5.932	29.51	0.01
1/17/21 2:30	5.56	122.2	10.34	5.717	29.51	0.01
1/17/21 2:45	6.211	115	8.87	5.597	29.51	0.02
1/17/21 3:00	6.646	105.4	8.58	5.521	29.54	0.02
1/17/21 3:15	6.559	105.6	7.819	5.514	29.54	0.02
1/17/21 3:30	5.735	96	8.2	5.648	29.54	0
1/17/21 3:45	5.977	115.3	11.88	5.982	29.54	0
1/17/21 4:00	7.576	133.1	13.44	5.827	29.53	0
1/17/21 4:15	3.872	120.8	44.98	5.484	29.53	0.01
1/17/21 4:30	4.808	94.5	8.63	5.455	29.53	0
1/17/21 4:45	5.753	104.5	9.31	5.569	29.53	0
1/17/21 5:00	3.741	82.4	13.83	5.591	29.55	0
1/17/21 5:15	2.931	108.3	18.61	5.57	29.55	0.01
1/17/21 5:30	2.507	55.77	19.06	5.575	29.55	0
1/17/21 5:45	3.28	54.22	6.537	5.533	29.55	0
1/17/21 6:00	4.064	69.43	8.61	5.675	29.54	0
1/17/21 6:15	5.632	85.7	7.197	5.754	29.54	0
1/17/21 6:30	5.084	89.5	8.7	6.039	29.54	0
1/17/21 6:45	2.739	67.07	16.55	6.248	29.54	0
1/17/21 7:00	3.062	27.84	16.16	6.177	29.54	0
1/17/21 7:15	3.64	43.53	7.365	6.399	29.54	0
1/17/21 7:30	2.873	72.3	7.275	6.384	29.54	0.01
1/17/21 7:45	2.03	69.27	14.08	6.538	29.54	0
1/17/21 8:00	2.294	61.81	10.54	6.509	29.57	0
1/17/21 8:15	1.253	82.3	22.26	6.558	29.57	0
1/17/21 8:30	1.322	78.31	15.63	6.698	29.57	0
1/17/21 8:45	0.872	64.83	2.596	6.765	29.57	0
1/17/21 9:00	1.207	51.75	25.58	6.822	29.59	0
1/17/21 9:15	1.725	233.8	45.4	6.965	29.59	0
1/17/21 9:30	1.684	132.7	17.35	7.005	29.59	0
1/17/21 9:45	2.237	131.4	16.28	7.179	29.59	0
1/17/21 10:00	1.853	139.6	13.7	7.402	29.6	0
1/17/21 10:15	2.315	120.3	17.71	7.527	29.6	0
1/17/21 10:30	2.712	109.7	12.67	7.543	29.6	0
1/17/21 10:45	2.66	179	29.54	7.647	29.6	0
1/17/21 11:00	3.253	194.9	7.969	7.667	29.63	0
1/17/21 11:15	3.071	206.1	10.05	7.564	29.63	0
1/17/21 11:30	2.823	203.5	9.92	7.756	29.63	0
1/17/21 11:45	2.924	186.2	19.31	8.13	29.63	0
1/17/21 12:00	2.169	193.7	12.23	7.993	29.64	0
1/17/21 12:15	3.285	185.7	16.43	8.15	29.64	0
1/17/21 12:30	3.269	194.2	14.15	8.28	29.64	0
1/17/21 12:45	2.443	211	16.79	8.31	29.64	0
1/17/21 13:00	2.779	202.8	20.69	8.24	29.63	0
1/17/21 13:15	2.462	172.2	14.68	8.68	29.63	0
1/17/21 13:30	1.597	112.2	18.25	8.65	29.63	0
1/17/21 13:45	0.6	25.61	40.31	9.22	29.63	0
1/17/21 14:00	3.868	4.875	59.04	9.61	29.65	0
1/17/21 14:15	3.322	350.2	26.69	8.92	29.65	0
1/17/21 14:30	2.849	333.9	23.09	9.01	29.65	0
1/17/21 14:45	3.034	341.8	10.86	8.94	29.65	0
1/17/21 15:00	3.389	336.4	12.16	8.89	29.65	0
1/17/21 15:15	3.385	306.8	13.24	8.65	29.65	0
1/17/21 15:30	3.321	314.1	14.12	8.87	29.65	0
1/17/21 15:45	4.325	302.6	6.779	8.62	29.65	0
1/17/21 16:00	4.409	303.6	5.728	8.52	29.64	0
1/17/21 16:15	3.753	308.6	8.4	8.2	29.64	0
1/17/21 16:30	3.775	309.9	5.638	7.932	29.64	0
1/17/21 16:45	5.177	307.6	7.355	7.608	29.64	0
1/17/21 17:00	5.983	317.5	7.893	7.238	29.65	0
1/17/21 17:15	7.92	348.1	16.48	7.577	29.65	0
1/17/21 17:30	7.639	8.74	12.74	7.589	29.65	0
1/17/21 17:45	7.521	4.281	14.53	7.617	29.65	0
1/17/21 18:00	6.614	358.1	16.6	7.48	29.68	0
1/17/21 18:15	4.594	6.358	18.45	7.39	29.68	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/17/21 18:30	2.74	10.18	11.53	7.254	29.68	0
1/17/21 18:45	3.492	12.22	12.87	7.041	29.68	0
1/17/21 19:00	2.996	356.2	20.17	6.908	29.67	0
1/17/21 19:15	3.666	337.5	20.61	7.056	29.67	0
1/17/21 19:30	4.042	322.6	18.61	7.085	29.67	0
1/17/21 19:45	3.6	333	16.57	7.002	29.67	0
1/17/21 20:00	4.031	341.3	17.41	6.768	29.7	0
1/17/21 20:15	5.06	317.5	15.42	6.538	29.7	0
1/17/21 20:30	6.295	308.4	9.54	6.508	29.7	0
1/17/21 20:45	5.816	306.2	16.48	6.702	29.7	0
1/17/21 21:00	1.379	341.2	48.33	6.529	29.71	0
1/17/21 21:15	2.444	343.5	31.31	6.48	29.71	0
1/17/21 21:30	2.822	343.9	29.67	6.708	29.71	0
1/17/21 21:45	1.409	16.05	70.36	6.706	29.71	0
1/17/21 22:00	3.037	178.1	28.8	6.698	29.72	0
1/17/21 22:15	1.881	36.16	74.83	7.042	29.72	0
1/17/21 22:30	1.578	328.1	57.84	6.858	29.72	0
1/17/21 22:45	2.203	348.7	27.11	6.708	29.72	0
1/17/21 23:00	0.419	1.113	58.68	6.703	29.71	0
1/17/21 23:15	1.112	68.1	37.91	6.612	29.71	0
1/17/21 23:30	1.366	6.181	65.25	6.522	29.71	0
1/17/21 23:45	2.031	341.7	36.27	6.616	29.71	0
1/18/21 0:00	3.478	324.1	23.41	6.723	29.71	0
1/18/21 0:15	2.251	350	23.12	6.176	29.71	0
1/18/21 0:30	2.858	346	38.41	5.96	29.71	0
1/18/21 0:45	2.581	14.05	23.57	5.642	29.71	0
1/18/21 1:00	6.066	16.23	10.73	5.607	29.7	0
1/18/21 1:15	7.738	19.17	8.85	5.642	29.7	0
1/18/21 1:30	7.016	9.49	9.04	6.015	29.7	0
1/18/21 1:45	7.165	18.93	6.916	6.095	29.7	0
1/18/21 2:00	7.595	22.47	5.694	5.687	29.7	0
1/18/21 2:15	8.61	16.11	6.982	5.713	29.7	0
1/18/21 2:30	8.64	14.15	7.221	5.612	29.7	0
1/18/21 2:45	8.86	10.09	6.367	5.525	29.7	0
1/18/21 3:00	8.42	9.23	6.557	5.876	29.71	0
1/18/21 3:15	8.22	15.81	8.99	5.668	29.71	0
1/18/21 3:30	7.943	24.07	6.031	5.16	29.71	0
1/18/21 3:45	8.64	20.33	6.492	5.35	29.71	0
1/18/21 4:00	8.57	15.85	10.12	5.807	29.73	0
1/18/21 4:15	8.61	9.39	19.69	6.305	29.73	0
1/18/21 4:30	9.25	15.5	14.39	6.469	29.73	0
1/18/21 4:45	8.61	356.4	17.31	6.538	29.73	0
1/18/21 5:00	6.516	12	25.27	6.46	29.69	0
1/18/21 5:15	4.431	28.07	19.48	6.456	29.69	0
1/18/21 5:30	3.003	353.4	29.28	6.508	29.69	0
1/18/21 5:45	5.091	355.1	20.85	6.38	29.69	0
1/18/21 6:00	4.693	25.07	17.23	6.245	29.7	0
1/18/21 6:15	4.452	13.43	24.2	5.877	29.7	0
1/18/21 6:30	5.581	7.548	13.9	5.875	29.7	0
1/18/21 6:45	6.236	12.88	6.618	5.278	29.7	0
1/18/21 7:00	7.04	3.626	15.29	5.468	29.66	0
1/18/21 7:15	6.468	356.5	15.43	5.423	29.66	0
1/18/21 7:30	4.905	341.2	17.17	5.006	29.66	0
1/18/21 7:45	6.074	324.7	5.161	4.256	29.66	0
1/18/21 8:00	5	355.4	17.19	4.169	29.69	0
1/18/21 8:15	6.481	348.7	12.34	4.334	29.69	0
1/18/21 8:30	6.556	358.5	16.56	4.476	29.69	0
1/18/21 8:45	4.315	351.4	18.59	4.354	29.69	0
1/18/21 9:00	4.428	6.782	11.3	4.872	29.71	0
1/18/21 9:15	7.248	12.95	16.15	5.08	29.71	0
1/18/21 9:30	8.11	14.85	17.32	5.285	29.71	0
1/18/21 9:45	10.03	355.2	16.4	5.495	29.71	0
1/18/21 10:00	8.59	339.4	14.12	6.001	29.7	0
1/18/21 10:15	9.11	347.9	18.36	6.214	29.7	0
1/18/21 10:30	9.29	343.1	16.87	6.168	29.7	0
1/18/21 10:45	9.22	347.9	21.45	6.207	29.7	0
1/18/21 11:00	9.17	15.31	10.52	5.483	29.72	0
1/18/21 11:15	7.844	6.425	17.16	5.343	29.72	0
1/18/21 11:30	8.2	19.07	12.97	4.983	29.72	0
1/18/21 11:45	8.32	19.41	13.58	4.888	29.72	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/18/21 12:00	6.595	1.591	29.4	4.999	29.75	0
1/18/21 12:15	7.284	16.59	13.47	5.332	29.75	0
1/18/21 12:30	7.865	17.39	11.77	5.403	29.75	0
1/18/21 12:45	7.03	17.65	13.15	5.503	29.75	0
1/18/21 13:00	7.99	14.6	13.54	5.652	29.73	0
1/18/21 13:15	9.87	11.7	11.44	6.17	29.73	0
1/18/21 13:30	9.03	8.73	14.75	6.073	29.73	0
1/18/21 13:45	9.21	10.19	12.66	6.019	29.73	0
1/18/21 14:00	10.98	354.8	13.85	5.998	29.7	0
1/18/21 14:15	9.3	354.7	18.53	6.154	29.7	0
1/18/21 14:30	7.978	338.8	17.79	6.061	29.7	0
1/18/21 14:45	7.508	341.2	13.19	6.173	29.7	0
1/18/21 15:00	6.484	331.6	16.39	6.04	29.7	0
1/18/21 15:15	4.935	353	18.78	6.034	29.7	0
1/18/21 15:30	7.531	12.21	14.39	5.32	29.7	0
1/18/21 15:45	8.83	6.547	13.3	5.186	29.7	0
1/18/21 16:00	10.32	4.077	15.63	5.068	29.7	0
1/18/21 16:15	8.76	9.65	12.13	5.115	29.7	0
1/18/21 16:30	11.34	13.44	10.62	5.264	29.7	0
1/18/21 16:45	9.87	11.22	11.76	5.206	29.7	0
1/18/21 17:00	9.05	15.74	9.33	4.894	29.68	0
1/18/21 17:15	7.724	23.01	10.1	4.772	29.68	0
1/18/21 17:30	9.46	4.763	15.17	4.746	29.68	0
1/18/21 17:45	8.76	17.41	17.8	5.083	29.68	0
1/18/21 18:00	9.29	13.78	16.58	4.527	29.69	0
1/18/21 18:15	9.11	9.16	9.86	4.568	29.69	0
1/18/21 18:30	8.06	12.22	11.28	4.847	29.69	0
1/18/21 18:45	8.36	12.45	18.2	4.854	29.69	0
1/18/21 19:00	10.52	15.86	11.56	4.948	29.71	0
1/18/21 19:15	9.59	354.9	17.95	5.132	29.71	0
1/18/21 19:30	6.885	8.16	18.05	4.903	29.71	0
1/18/21 19:45	6.412	9.61	16.7	4.632	29.71	0
1/18/21 20:00	5.094	26.71	14.36	4.284	29.72	0
1/18/21 20:15	5.615	5.297	23.36	4.209	29.72	0
1/18/21 20:30	3.973	24.75	13.87	3.474	29.72	0
1/18/21 20:45	3.874	23.05	9.18	3.298	29.72	0
1/18/21 21:00	4.749	22.34	7.364	3.003	29.72	0
1/18/21 21:15	5.016	26.67	6.317	2.807	29.72	0
1/18/21 21:30	5.344	14.48	9.58	2.826	29.72	0
1/18/21 21:45	4.426	10.9	11.02	3.017	29.72	0
1/18/21 22:00	2.41	34.92	32.17	2.92	29.71	0
1/18/21 22:15	2.56	30.13	22.47	2.288	29.71	0
1/18/21 22:30	3.635	35.62	20.56	2.421	29.71	0
1/18/21 22:45	4.281	55.61	10.48	2.115	29.71	0
1/18/21 23:00	3.813	21.62	18.94	1.94	29.7	0
1/18/21 23:15	3.997	9.96	4.85	1.757	29.7	0
1/18/21 23:30	4.308	13.42	11.16	2	29.7	0
1/18/21 23:45	3.933	343.8	17.09	1.995	29.7	0
1/19/21 0:00	3.935	17.23	6.802	1.402	29.68	0
1/19/21 0:15	3.834	14.45	11.82	1.138	29.68	0
1/19/21 0:30	4.356	13.25	18.92	0.795	29.68	0
1/19/21 0:45	3.669	46.44	12.38	0.581	29.68	0
1/19/21 1:00	2.947	65.16	22.56	1.231	29.68	0
1/19/21 1:15	1.621	115.9	18.16	1.79	29.68	0
1/19/21 1:30	1.209	108.9	28.04	1.708	29.68	0
1/19/21 1:45	0.61	28.7	11.87	0.829	29.68	0
1/19/21 2:00	0.787	290.9	54.67	1.409	29.68	0
1/19/21 2:15	0.648	338.1	18.34	1.151	29.68	0
1/19/21 2:30	2.298	303.7	19.09	1.217	29.68	0
1/19/21 2:45	4.359	291	4.163	2.054	29.68	0
1/19/21 3:00	5.072	304.4	9.49	2.013	29.68	0
1/19/21 3:15	3.312	354	19.53	0.795	29.68	0
1/19/21 3:30	2.984	13.75	11.64	1.169	29.68	0
1/19/21 3:45	2.344	30.95	17.88	1.302	29.68	0
1/19/21 4:00	2.34	28.3	5.187	0.892	29.66	0
1/19/21 4:15	2.053	74.04	17.5	1.865	29.66	0
1/19/21 4:30	0.479	91.9	8.82	2.118	29.66	0
1/19/21 4:45	1.667	232.2	26.87	1.185	29.66	0
1/19/21 5:00	3.041	186.8	6.496	1.04	29.68	0
1/19/21 5:15	5.045	184	9.8	0.953	29.68	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/19/21 5:30	5.297	202.6	6.194	1.15	29.68	0
1/19/21 5:45	2.846	160.6	34.09	0.237	29.68	0
1/19/21 6:00	3.451	131.8	8.1	-0.167	29.67	0
1/19/21 6:15	3.44	112.9	11.19	0.191	29.67	0
1/19/21 6:30	4.503	160.9	17.33	0.716	29.67	0
1/19/21 6:45	5.696	148.7	6.711	0.79	29.67	0
1/19/21 7:00	5.493	131.8	8.87	1.145	29.62	0
1/19/21 7:15	5.792	143.5	9.41	1.478	29.62	0
1/19/21 7:30	5.469	164.5	11.28	1.725	29.62	0
1/19/21 7:45	7.743	192.1	9.84	1.834	29.62	0
1/19/21 8:00	5.697	217.2	8.09	1.111	29.63	0
1/19/21 8:15	2.931	278.7	14.59	0.652	29.63	0
1/19/21 8:30	0.832	281.4	12.82	0.847	29.63	0
1/19/21 8:45	0.283	65.46	26.56	1.117	29.63	0
1/19/21 9:00	0.529	76.16	2.752	1.736	29.64	0
1/19/21 9:15	2.564	93.8	12.07	2.035	29.64	0
1/19/21 9:30	1.731	101.6	11.44	2.238	29.64	0.01
1/19/21 9:45	1.603	191.9	25.83	2.198	29.64	0
1/19/21 10:00	1.345	151	40.57	2.212	29.62	0
1/19/21 10:15	2.192	136.3	21.03	2.387	29.62	0
1/19/21 10:30	1.009	200.7	11.54	2.741	29.62	0
1/19/21 10:45	1.249	205.4	14.31	3.296	29.62	0
1/19/21 11:00	1.682	217	21.7	3.281	29.63	0
1/19/21 11:15	0.33	238.5	16.51	4.664	29.63	0
1/19/21 11:30	1.737	235.2	19.19	4.486	29.63	0
1/19/21 11:45	2.579	251.8	24.67	4.891	29.63	0
1/19/21 12:00	3.089	242.4	8.49	4.926	29.6	0
1/19/21 12:15	1.701	226	21.34	5.272	29.6	0
1/19/21 12:30	2.333	228.6	13.05	5.563	29.6	0
1/19/21 12:45	2.721	227.5	21.9	5.846	29.6	0
1/19/21 13:00	0.881	306.7	40.64	6.544	29.58	0
1/19/21 13:15	1.118	202.1	41.52	7.52	29.58	0
1/19/21 13:30	1.373	212.7	38.16	7.404	29.58	0
1/19/21 13:45	0.585	210.1	45.95	8.03	29.58	0
1/19/21 14:00	1.241	61.06	42.55	7.935	29.56	0
1/19/21 14:15	3.138	102.4	21.3	7.496	29.56	0
1/19/21 14:30	2.438	78.64	18.7	7.654	29.56	0
1/19/21 14:45	1.84	124.6	28.11	8.47	29.56	0
1/19/21 15:00	2.896	153.4	16.07	8.53	29.54	0
1/19/21 15:15	3.207	204.7	11.57	8.13	29.54	0
1/19/21 15:30	3.803	192.3	12.53	7.72	29.54	0
1/19/21 15:45	3.023	134.5	20.38	7.499	29.54	0
1/19/21 16:00	2.867	85.1	13.63	7.293	29.5	0
1/19/21 16:15	4.959	91.6	6.164	7.122	29.5	0
1/19/21 16:30	3.832	165.5	39.4	7.196	29.5	0
1/19/21 16:45	5.273	201.3	8.35	7.266	29.5	0
1/19/21 17:00	3.786	194.5	6.115	6.983	29.51	0
1/19/21 17:15	1.417	165.9	71.69	6.72	29.51	0
1/19/21 17:30	1.984	27.15	16.93	5.899	29.51	0
1/19/21 17:45	2.531	18.28	9.17	5.54	29.51	0
1/19/21 18:00	2.903	33.13	14.58	5.676	29.47	0
1/19/21 18:15	2.552	85.8	13.24	5.384	29.47	0
1/19/21 18:30	3.605	90.4	7.906	4.547	29.47	0
1/19/21 18:45	3.46	103.1	8.84	5.186	29.47	0
1/19/21 19:00	0.544	122.5	19.83	5.159	29.46	0
1/19/21 19:15	1.634	77.54	33.24	4.743	29.46	0
1/19/21 19:30	1.746	131.6	20.46	4.62	29.46	0
1/19/21 19:45	0.836	23.58	17.48	4.592	29.46	0
1/19/21 20:00	1.442	39.28	18.52	4.898	29.47	0
1/19/21 20:15	1.878	133.4	26.81	5.344	29.47	0
1/19/21 20:30	2.324	159.4	10.61	5.388	29.47	0
1/19/21 20:45	3.841	142.1	15.13	4.942	29.47	0
1/19/21 21:00	3.034	129.6	8.64	4.836	29.43	0
1/19/21 21:15	4.415	154.2	9.2	4.71	29.43	0
1/19/21 21:30	4.766	156.5	7.607	4.647	29.43	0
1/19/21 21:45	4.899	160.5	9.04	4.739	29.43	0
1/19/21 22:00	3.182	138	10.93	4.99	29.44	0
1/19/21 22:15	2.829	130.7	12.67	5.138	29.44	0
1/19/21 22:30	2.089	100.8	10.77	5.021	29.44	0
1/19/21 22:45	2.135	116.6	8.06	4.986	29.44	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/19/21 23:00	2.396	135.5	11.77	5.574	29.44	0
1/19/21 23:15	4.034	153.2	6.607	5.074	29.44	0
1/19/21 23:30	3.072	155.5	7.59	4.627	29.44	0
1/19/21 23:45	2.302	123.2	24.98	4.673	29.44	0
1/20/21 0:00	1.978	100.3	25.22	4.365	29.43	0
1/20/21 0:15	1.296	137.9	33.61	4.509	29.43	0
1/20/21 0:30	2.489	273.7	49.26	3.879	29.43	0
1/20/21 0:45	3.895	233.4	10.33	3.162	29.43	0
1/20/21 1:00	4.769	218.9	10.98	3.283	29.42	0
1/20/21 1:15	3.851	211.7	5.753	3.37	29.42	0
1/20/21 1:30	3.73	210.2	3.59	3.346	29.42	0
1/20/21 1:45	2.943	172.2	35.8	3.395	29.42	0
1/20/21 2:00	2.58	139.8	5.793	3.329	29.41	0
1/20/21 2:15	2.677	137.8	4.925	3.526	29.41	0
1/20/21 2:30	2.727	144.5	7.554	3.324	29.41	0
1/20/21 2:45	2.088	135.8	11.51	3.074	29.41	0
1/20/21 3:00	1.836	127.1	13.39	3.003	29.39	0
1/20/21 3:15	0.968	155.1	6.987	2.926	29.39	0
1/20/21 3:30	0.862	98.7	23.07	3.181	29.39	0
1/20/21 3:45	3.059	135.8	23.69	3.793	29.39	0
1/20/21 4:00	2.694	140.3	14.33	3.866	29.38	0
1/20/21 4:15	0.852	10.98	15.54	2.825	29.38	0
1/20/21 4:30	0.77	68.03	14.97	3.116	29.38	0
1/20/21 4:45	2.506	131.4	29.83	3.473	29.38	0
1/20/21 5:00	2.436	143.6	11.85	3.522	29.37	0
1/20/21 5:15	1.574	114.3	21.68	3.382	29.37	0
1/20/21 5:30	1.537	20.56	16.4	2.829	29.37	0
1/20/21 5:45	0.777	27.07	1.574	2.721	29.37	0
1/20/21 6:00	1.822	26.87	0.886	2.407	29.37	0
1/20/21 6:15	2.843	26.15	2.232	2.707	29.37	0
1/20/21 6:30	2.58	11.12	5.502	3.081	29.37	0
1/20/21 6:45	2.586	14.44	7.029	3.067	29.37	0
1/20/21 7:00	2.185	7.868	15.49	3.162	29.37	0
1/20/21 7:15	2.969	14.02	8.3	2.682	29.37	0
1/20/21 7:30	0.93	292.9	36.94	1.943	29.37	0
1/20/21 7:45	0.457	256.5	4.556	2.102	29.37	0
1/20/21 8:00	0.744	16	17.95	2.511	29.35	0
1/20/21 8:15	2.024	27.69	18.72	2.27	29.35	0
1/20/21 8:30	2.421	21.37	6.441	2.646	29.35	0
1/20/21 8:45	2.911	18.18	11.82	2.716	29.35	0
1/20/21 9:00	2.571	6.791	20.41	2.408	29.34	0
1/20/21 9:15	2.397	51.29	4.572	2.046	29.34	0
1/20/21 9:30	1.489	40.52	10.5	2.863	29.34	0
1/20/21 9:45	1.457	336	14.59	3.557	29.34	0
1/20/21 10:00	0.703	32.31	12.89	3.437	29.34	0
1/20/21 10:15	0.522	347.3	22.37	3.59	29.34	0
1/20/21 10:30	0.976	318.2	19.78	4.311	29.34	0
1/20/21 10:45	2.393	249.7	21.55	4.441	29.34	0
1/20/21 11:00	1.406	174.3	19.11	4.497	29.34	0
1/20/21 11:15	0.958	122.3	29.16	4.912	29.34	0
1/20/21 11:30	0.325	79.87	31.22	5.375	29.34	0
1/20/21 11:45	2.431	313.2	14.28	5.284	29.34	0
1/20/21 12:00	2.371	302	12.18	5.408	29.34	0
1/20/21 12:15	0.391	307.7	15.59	6.002	29.34	0
1/20/21 12:30	1.759	134.6	28.95	6.126	29.34	0
1/20/21 12:45	2.734	123.2	17.4	5.805	29.34	0
1/20/21 13:00	3.312	192.5	31.84	5.635	29.32	0
1/20/21 13:15	1.398	266.1	27.5	5.801	29.32	0
1/20/21 13:30	1.59	358.2	35.88	5.973	29.32	0
1/20/21 13:45	1.263	36.87	2.838	5.834	29.32	0
1/20/21 14:00	1.563	295.4	10.05	6.187	29.29	0
1/20/21 14:15	3.849	306.8	9.98	6.316	29.29	0
1/20/21 14:30	3.788	307.1	8.83	6.311	29.29	0
1/20/21 14:45	3.657	303	11	6.399	29.29	0
1/20/21 15:00	3.394	306.2	18.95	6.346	29.29	0
1/20/21 15:15	3.318	32.81	8.13	5.931	29.29	0
1/20/21 15:30	3.286	25.66	7.82	5.832	29.29	0
1/20/21 15:45	2.24	9.43	9.45	5.936	29.29	0
1/20/21 16:00	0.95	344.4	15.23	6.147	29.31	0
1/20/21 16:15	0.976	242.4	13.27	6.28	29.31	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/20/21 16:30	1.605	293.6	58.74	6	29.31	0
1/20/21 16:45	1.968	50.65	8.79	5.452	29.31	0
1/20/21 17:00	0.555	28.78	6.789	5.354	29.31	0
1/20/21 17:15	2.139	249.4	10.81	5.549	29.31	0
1/20/21 17:30	1.354	285.3	20.5	5.507	29.31	0
1/20/21 17:45	0.545	13.7	26.65	5.335	29.31	0
1/20/21 18:00	1.391	50.04	7.346	5.108	29.3	0
1/20/21 18:15	1.89	75.05	3.683	5.158	29.3	0
1/20/21 18:30	1.17	79.57	0.684	5.322	29.3	0
1/20/21 18:45	0.561	79.92	0.261	5.535	29.3	0
1/20/21 19:00	1.969	240.6	31.05	5.44	29.28	0
1/20/21 19:15	2.166	290.2	23.5	5.192	29.28	0
1/20/21 19:30	2.146	327.4	1.282	4.938	29.28	0
1/20/21 19:45	2.298	5.33	20.01	4.588	29.28	0
1/20/21 20:00	1.327	5.308	4.088	4.908	29.29	0
1/20/21 20:15	0.562	14.94	4.287	5.438	29.29	0
1/20/21 20:30	1.756	19.78	3.912	4.893	29.29	0
1/20/21 20:45	1.732	0.471	7.319	4.6	29.29	0
1/20/21 21:00	0.453	300.5	62.22	4.895	29.29	0
1/20/21 21:15	1.259	46.42	20.45	4.978	29.29	0
1/20/21 21:30	0.954	42.45	5.16	4.998	29.29	0
1/20/21 21:45	2.343	21.36	1.716	4.97	29.29	0
1/20/21 22:00	1.213	26.92	3.409	4.987	29.27	0
1/20/21 22:15	2.97	249.3	18.93	4.841	29.27	0
1/20/21 22:30	2.948	292.2	9.29	4.641	29.27	0
1/20/21 22:45	3.345	274.3	5.625	4.887	29.27	0
1/20/21 23:00	1.276	307.2	4.435	5.052	29.28	0
1/20/21 23:15	1.702	61.51	4.954	4.531	29.28	0
1/20/21 23:30	1.635	60.59	6.729	4.375	29.28	0
1/20/21 23:45	2.366	42.04	5.892	4.889	29.28	0
1/21/21 0:00	1.5	20.71	6.008	4.982	29.28	0
1/21/21 0:15	2.754	17.87	6.513	4.13	29.28	0
1/21/21 0:30	3.881	8.45	7.051	4.15	29.28	0
1/21/21 0:45	4.301	11.21	9.67	4.08	29.28	0
1/21/21 1:00	4.405	16.42	9.17	3.924	29.28	0
1/21/21 1:15	3.869	21.56	11.31	3.985	29.28	0
1/21/21 1:30	3.17	19.03	11.49	4.04	29.28	0
1/21/21 1:45	3.938	25.25	6.297	4.051	29.28	0
1/21/21 2:00	3.504	16.54	7.292	4.161	29.26	0
1/21/21 2:15	1.762	14.28	18.01	4.376	29.26	0.01
1/21/21 2:30	2.049	24.27	11.43	4.327	29.26	0
1/21/21 2:45	2.871	21.04	6.213	4.042	29.26	0
1/21/21 3:00	3.321	10.3	6.291	3.976	29.26	0
1/21/21 3:15	2.925	1.484	10.22	3.862	29.26	0.01
1/21/21 3:30	2.24	3.302	16.25	3.906	29.26	0
1/21/21 3:45	2.379	326.6	18.86	4.071	29.26	0.01
1/21/21 4:00	2.486	283.4	30.07	4.331	29.26	0
1/21/21 4:15	0.532	32.29	2.488	3.881	29.26	0.01
1/21/21 4:30	1.996	22.57	7.353	3.895	29.26	0
1/21/21 4:45	0.897	16.05	2.351	4.147	29.26	0
1/21/21 5:00	2.079	2.959	2.689	4.219	29.25	0
1/21/21 5:15	2.074	20.57	4.041	3.99	29.25	0.01
1/21/21 5:30	2.659	15.09	7.475	3.811	29.25	0
1/21/21 5:45	2.169	18.2	2.715	4.051	29.25	0
1/21/21 6:00	1.541	354.6	8.96	4.285	29.25	0
1/21/21 6:15	0.019	326.8	0.014	4.258	29.25	0.01
1/21/21 6:30	0.556	329.1	7.107	4.199	29.25	0.01
1/21/21 6:45	1.395	295.9	12.94	4.325	29.25	0.01
1/21/21 7:00	3.257	292.8	2.985	4.345	29.24	0.01
1/21/21 7:15	3.968	294.7	3.31	4.261	29.24	0.01
1/21/21 7:30	2.58	298	4.623	4.181	29.24	0.01
1/21/21 7:45	2.198	309.6	2.104	4.099	29.24	0
1/21/21 8:00	2.055	334.7	13.8	4.119	29.24	0
1/21/21 8:15	0.847	357.3	8.1	4.084	29.24	0
1/21/21 8:30	0.965	70.98	7.117	4	29.24	0
1/21/21 8:45	1.781	63.99	7.068	4.039	29.24	0
1/21/21 9:00	2.332	59.84	4.232	4.145	29.24	0
1/21/21 9:15	1.931	52.24	7.569	4.289	29.24	0
1/21/21 9:30	1.768	36.66	7.196	4.638	29.24	0
1/21/21 9:45	1.823	7.995	8.31	4.842	29.24	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/21/21 10:00	2.329	16.02	7.497	4.61	29.26	0
1/21/21 10:15	3.287	24.09	9.82	4.395	29.26	0
1/21/21 10:30	4.649	5.807	9.04	4.585	29.26	0
1/21/21 10:45	5.109	12.1	6.52	4.701	29.26	0
1/21/21 11:00	4.525	12.87	8.82	4.895	29.24	0
1/21/21 11:15	4.13	18.63	7.869	4.96	29.24	0
1/21/21 11:30	2.385	10.83	11.19	5.112	29.24	0
1/21/21 11:45	2.663	22.53	13.36	5.328	29.24	0
1/21/21 12:00	2.47	21.68	11.44	5.582	29.23	0
1/21/21 12:15	2.391	32	14.5	5.807	29.23	0
1/21/21 12:30	3.481	32.93	15	5.811	29.23	0
1/21/21 12:45	2.94	18.38	13.23	5.838	29.23	0
1/21/21 13:00	3.405	18.33	8.77	5.869	29.2	0
1/21/21 13:15	4.261	20.55	8.68	5.826	29.2	0
1/21/21 13:30	4.647	18.22	9.69	5.693	29.2	0
1/21/21 13:45	5.31	15.96	8.64	5.776	29.2	0
1/21/21 14:00	6.083	14.98	10.32	5.952	29.21	0
1/21/21 14:15	6.194	11.79	8.63	6.05	29.21	0
1/21/21 14:30	6.598	12.79	8.12	6.046	29.21	0
1/21/21 14:45	4.212	18.03	13.51	6.071	29.21	0
1/21/21 15:00	5.929	14.52	9	6.198	29.21	0
1/21/21 15:15	6.23	9.16	14.19	6.124	29.21	0
1/21/21 15:30	5.526	6.087	13.8	6.096	29.21	0
1/21/21 15:45	5.735	9.92	13.16	6.132	29.21	0
1/21/21 16:00	6.842	14.13	12.43	5.953	29.18	0
1/21/21 16:15	8.97	14.04	12.32	5.812	29.18	0
1/21/21 16:30	7.831	13.89	12.69	5.825	29.18	0
1/21/21 16:45	6.128	27.5	17.32	5.635	29.18	0
1/21/21 17:00	8.56	11.22	14.01	5.578	29.2	0
1/21/21 17:15	7.581	9.79	12.5	5.506	29.2	0
1/21/21 17:30	8.55	9.45	14.73	5.39	29.2	0
1/21/21 17:45	8.86	10.24	12.19	5.233	29.2	0
1/21/21 18:00	10.36	6.572	13.23	5.251	29.18	0
1/21/21 18:15	8.89	8.68	12.52	5.204	29.18	0
1/21/21 18:30	10.1	5.963	13.27	5.23	29.18	0
1/21/21 18:45	9.85	5.693	14.42	5.192	29.18	0
1/21/21 19:00	11.2	6.095	12.86	5.265	29.22	0
1/21/21 19:15	10.58	7.783	13.44	5.171	29.22	0
1/21/21 19:30	10.71	8.97	12.16	5.1	29.22	0
1/21/21 19:45	11.52	4.541	13.95	5.333	29.22	0
1/21/21 20:00	9.89	8.99	11.21	5.337	29.2	0
1/21/21 20:15	9.11	7.322	12.45	5.21	29.2	0
1/21/21 20:30	8.79	7.396	12.67	5.068	29.2	0
1/21/21 20:45	8.69	8.78	10.96	4.856	29.2	0
1/21/21 21:00	7.001	10.67	13.43	4.77	29.2	0
1/21/21 21:15	7.353	18.51	12.31	4.613	29.2	0
1/21/21 21:30	7.821	11.74	11.18	4.506	29.2	0
1/21/21 21:45	7.937	13.11	11.82	4.482	29.2	0
1/21/21 22:00	8.39	9.32	10.76	4.545	29.22	0
1/21/21 22:15	8.31	10.32	11.48	4.572	29.22	0
1/21/21 22:30	10.42	12.09	12.64	4.492	29.22	0
1/21/21 22:45	9.09	11.73	11.55	4.473	29.22	0
1/21/21 23:00	9.29	12.64	10.49	4.418	29.21	0
1/21/21 23:15	8.38	7.447	12.47	4.327	29.21	0
1/21/21 23:30	8.75	10.19	11.78	4.243	29.21	0
1/21/21 23:45	7.407	4.118	13.14	4.106	29.21	0
1/22/21 0:00	6.665	7.225	12.13	3.956	29.19	0
1/22/21 0:15	8.62	11.89	12.06	3.888	29.19	0
1/22/21 0:30	5.354	18.85	13.32	3.727	29.19	0
1/22/21 0:45	7.202	11.26	10.55	3.791	29.19	0
1/22/21 1:00	6.262	16.5	17.61	3.638	29.19	0
1/22/21 1:15	9.06	9.84	12.05	3.735	29.19	0
1/22/21 1:30	8.29	11.08	10.01	3.748	29.19	0
1/22/21 1:45	8.14	13.28	10.15	3.836	29.19	0
1/22/21 2:00	9.98	11.48	9.42	3.894	29.19	0
1/22/21 2:15	9.39	9.33	13.2	3.957	29.19	0
1/22/21 2:30	7.532	17.82	9.18	3.964	29.19	0
1/22/21 2:45	7.006	17.54	8.58	3.923	29.19	0
1/22/21 3:00	8.55	18.34	11.12	3.8	29.21	0
1/22/21 3:15	9.74	16.71	9.04	3.754	29.21	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/22/21 3:30	9.49	15.76	10.8	3.725	29.21	0
1/22/21 3:45	8.24	18.36	11.68	3.724	29.21	0
1/22/21 4:00	6.528	18.69	11.29	3.713	29.2	0
1/22/21 4:15	6.556	17.52	13.93	3.76	29.2	0
1/22/21 4:30	7.016	15.05	13.74	3.77	29.2	0
1/22/21 4:45	10.5	13.79	8.02	3.714	29.2	0
1/22/21 5:00	9.12	16.16	10.11	3.619	29.19	0
1/22/21 5:15	7.896	17.02	10.22	3.49	29.19	0
1/22/21 5:30	9.15	13.25	9.66	3.449	29.19	0
1/22/21 5:45	9.63	12.53	10.57	3.501	29.19	0
1/22/21 6:00	8.23	16.78	10.13	3.354	29.18	0
1/22/21 6:15	9.73	15.52	7.896	3.399	29.18	0
1/22/21 6:30	9.02	19.29	8.74	3.306	29.18	0
1/22/21 6:45	8.42	15.45	8.85	3.363	29.18	0
1/22/21 7:00	8.64	12.63	9.87	3.308	29.17	0
1/22/21 7:15	8.56	15.97	10.08	3.225	29.17	0
1/22/21 7:30	9.23	17.34	9.03	3.178	29.17	0
1/22/21 7:45	9.11	14.65	11.41	3.023	29.17	0
1/22/21 8:00	8.44	8.96	13.78	2.901	29.18	0
1/22/21 8:15	9.84	5.831	13.61	2.822	29.18	0
1/22/21 8:30	12.96	7.393	13.48	2.926	29.18	0
1/22/21 8:45	13.25	5.49	15.87	2.913	29.18	0
1/22/21 9:00	14.67	9.57	13.5	2.871	29.19	0
1/22/21 9:15	14.07	8.17	13.47	2.817	29.19	0
1/22/21 9:30	13.43	358.4	16.73	2.859	29.19	0
1/22/21 9:45	14.12	2.886	14.42	2.755	29.19	0
1/22/21 10:00	10.92	9.67	13.34	2.837	29.21	0
1/22/21 10:15	9.77	14.68	12.88	3.283	29.21	0
1/22/21 10:30	10.03	22.24	7.796	3.819	29.21	0
1/22/21 10:45	10.24	19.09	11.72	4.045	29.21	0
1/22/21 11:00	8.63	5.901	12.78	4.649	29.22	0
1/22/21 11:15	6.996	12.1	10.72	4.602	29.22	0
1/22/21 11:30	7.197	12.26	10.58	4.467	29.22	0
1/22/21 11:45	7.632	14.82	10.94	4.788	29.22	0
1/22/21 12:00	9.11	11.5	11.39	4.836	29.19	0
1/22/21 12:15	10.33	12.87	9.99	4.382	29.19	0
1/22/21 12:30	8.17	8.43	12.89	4.714	29.19	0
1/22/21 12:45	9.95	5.808	13.11	5.574	29.19	0
1/22/21 13:00	10.13	6.798	14.68	5.741	29.21	0
1/22/21 13:15	11.36	1.771	14.73	5.726	29.21	0
1/22/21 13:30	11.38	8.32	12.26	5.752	29.21	0
1/22/21 13:45	10.34	2.405	16.73	5.992	29.21	0
1/22/21 14:00	11.09	359.3	15.09	6.056	29.21	0
1/22/21 14:15	10.39	355.5	16.89	6.107	29.21	0
1/22/21 14:30	9.67	1.637	15.35	6.221	29.21	0
1/22/21 14:45	9.2	359.8	16.16	6.295	29.21	0
1/22/21 15:00	10.13	350.2	15.16	6.317	29.22	0
1/22/21 15:15	10.34	334	16.16	6.312	29.22	0
1/22/21 15:30	8.9	329.9	27.31	6.212	29.22	0
1/22/21 15:45	10.08	333.2	15.06	6.016	29.22	0
1/22/21 16:00	9.39	325.3	13.73	5.71	29.23	0
1/22/21 16:15	9.02	344.8	19.08	5.272	29.23	0
1/22/21 16:30	9.03	342.8	18.92	5.003	29.23	0
1/22/21 16:45	7.989	358.2	17.06	4.605	29.23	0
1/22/21 17:00	10.2	359.2	15.74	4.096	29.21	0
1/22/21 17:15	8.14	7.018	17.24	3.718	29.21	0
1/22/21 17:30	8.49	13.26	13.31	3.37	29.21	0
1/22/21 17:45	8.45	4.953	13.55	3.432	29.21	0
1/22/21 18:00	6.122	1.143	13.69	3.357	29.21	0
1/22/21 18:15	9.23	3.533	13.07	3.045	29.21	0
1/22/21 18:30	8.63	357.6	17.84	2.957	29.21	0
1/22/21 18:45	9.73	2.412	14.14	2.945	29.21	0
1/22/21 19:00	9.73	0.437	14.9	2.9	29.23	0
1/22/21 19:15	9.19	3.096	15.46	2.627	29.23	0
1/22/21 19:30	10.23	359.6	15.92	2.596	29.23	0
1/22/21 19:45	10.14	5.169	15.49	2.493	29.23	0
1/22/21 20:00	8.9	19.99	12.04	2.296	29.22	0
1/22/21 20:15	8.61	18	13.22	2.147	29.22	0
1/22/21 20:30	9.01	12.54	11.73	2.223	29.22	0
1/22/21 20:45	8.34	16.69	15.68	2.084	29.22	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/22/21 21:00	8.78	18.06	9.97	2.045	29.24	0
1/22/21 21:15	7.061	20.15	11.53	1.698	29.24	0
1/22/21 21:30	6.05	27.6	11.6	1.284	29.24	0
1/22/21 21:45	5.557	29.71	6.324	0.915	29.24	0
1/22/21 22:00	5.096	31.83	12.03	0.871	29.27	0
1/22/21 22:15	4.784	27.35	11.19	0.679	29.27	0
1/22/21 22:30	5.093	18.11	9.69	0.875	29.27	0
1/22/21 22:45	5.328	19.61	6.791	0.854	29.27	0
1/22/21 23:00	4.814	35.65	8.63	0.305	29.27	0
1/22/21 23:15	4.368	50.67	11.16	0.186	29.27	0
1/22/21 23:30	4.585	63.81	11.25	0.191	29.27	0
1/22/21 23:45	4.751	88.8	9.85	0.177	29.27	0
1/23/21 0:00	2.717	104.8	9.71	1.224	29.28	0
1/23/21 0:15	1.865	75.56	22.88	1.489	29.28	0
1/23/21 0:30	1.675	21.34	14.48	1.075	29.28	0
1/23/21 0:45	1.455	22.81	12.27	0.823	29.28	0
1/23/21 1:00	0.434	28.18	0.14	0.212	29.28	0
1/23/21 1:15	1.12	21.63	14.48	0.02	29.28	0
1/23/21 1:30	0.439	44.08	12.45	-0.068	29.28	0
1/23/21 1:45	1.755	65.39	9.68	0.125	29.28	0
1/23/21 2:00	1.211	87.6	11.14	0.203	29.28	0
1/23/21 2:15	2.204	78.22	13.73	0.089	29.28	0
1/23/21 2:30	1.658	54.86	7.918	0.086	29.28	0
1/23/21 2:45	1.165	68.08	0.747	-0.38	29.28	0
1/23/21 3:00	2.056	102.8	22.34	-0.247	29.29	0
1/23/21 3:15	2.965	165.9	8.06	0.374	29.29	0
1/23/21 3:30	4.03	147	5.742	-0.057	29.29	0
1/23/21 3:45	3.027	146.7	4.035	-0.11	29.29	0
1/23/21 4:00	1.887	271.4	59.8	-1.104	29.28	0
1/23/21 4:15	1.525	308.8	9.6	-0.312	29.28	0
1/23/21 4:30	4.375	305	5.533	-0.802	29.28	0
1/23/21 4:45	2.415	260.5	15.09	-0.308	29.28	0
1/23/21 5:00	1.871	207.5	19.73	-0.67	29.28	0
1/23/21 5:15	0.757	125.7	45.19	-0.793	29.28	0
1/23/21 5:30	0.495	36.48	5.3	-1.027	29.28	0
1/23/21 5:45	0.298	70.82	0.749	-0.935	29.28	0
1/23/21 6:00	0.422	72.68	0.344	-1.279	29.29	0
1/23/21 6:15	1.38	103.6	3.29	-1.261	29.29	0
1/23/21 6:30	1.269	59.25	13.39	-0.938	29.29	0
1/23/21 6:45	0.06	43	0.026	-1.085	29.29	0
1/23/21 7:00	0.488	40.3	8.05	-0.988	29.28	0
1/23/21 7:15	1.448	51.85	21.47	-0.756	29.28	0
1/23/21 7:30	1.549	81.5	6.618	-1.306	29.28	0
1/23/21 7:45	0.684	91.7	0.137	-0.719	29.28	0
1/23/21 8:00	0.421	100.7	8.73	-0.386	29.31	0
1/23/21 8:15	1.007	162.1	44.54	0.119	29.31	0
1/23/21 8:30	1.24	66.47	9.15	-0.926	29.31	0
1/23/21 8:45	2.283	61.81	7.563	-0.581	29.31	0
1/23/21 9:00	2.437	96.7	21.47	0.59	29.3	0
1/23/21 9:15	2.875	126.7	4.63	1.143	29.3	0
1/23/21 9:30	3.125	141.2	8.46	1.408	29.3	0
1/23/21 9:45	3.206	155.8	15.36	0.684	29.3	0
1/23/21 10:00	3.395	161.5	9.1	0.719	29.33	0
1/23/21 10:15	3.434	181.5	12.34	0.651	29.33	0
1/23/21 10:30	3.63	178.8	15.75	0.53	29.33	0
1/23/21 10:45	3.774	167.7	13.4	1.354	29.33	0
1/23/21 11:00	4.221	162	15.13	1.851	29.32	0
1/23/21 11:15	5.176	190	11.46	2.006	29.32	0
1/23/21 11:30	4.548	198.8	9.77	2.063	29.32	0
1/23/21 11:45	4.15	197.9	18.84	2.605	29.32	0
1/23/21 12:00	3.263	173.7	22.2	3.418	29.31	0
1/23/21 12:15	4.062	195.4	23.5	3.275	29.31	0
1/23/21 12:30	4.419	197.4	17.34	3.493	29.31	0
1/23/21 12:45	4.406	183.5	23.32	3.692	29.31	0
1/23/21 13:00	4.695	207.4	17.17	3.736	29.27	0
1/23/21 13:15	4.998	211.7	10.63	3.876	29.27	0
1/23/21 13:30	5.042	216.9	16.58	4.178	29.27	0
1/23/21 13:45	4.882	195.1	24.44	4.523	29.27	0
1/23/21 14:00	5.847	184.3	14.69	4.639	29.29	0
1/23/21 14:15	6.026	194.5	16.81	4.892	29.29	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/23/21 14:30	5.424	208.1	12.69	4.984	29.29	0
1/23/21 14:45	4.661	197.3	17.88	5.058	29.29	0
1/23/21 15:00	5.038	201	15.81	5.185	29.29	0
1/23/21 15:15	5.31	212.5	14.13	5.139	29.29	0
1/23/21 15:30	4.158	229.8	14.99	5.077	29.29	0
1/23/21 15:45	4.859	197.4	19.76	5.141	29.29	0
1/23/21 16:00	1.528	215.9	52.56	5.177	29.26	0
1/23/21 16:15	3.863	200.5	22.13	4.927	29.26	0
1/23/21 16:30	3.087	192.3	19.25	4.631	29.26	0
1/23/21 16:45	3.127	186.6	8.56	4.288	29.26	0
1/23/21 17:00	1.965	202.7	2.981	4.104	29.26	0
1/23/21 17:15	2.165	146.2	21.98	3.894	29.26	0
1/23/21 17:30	2.494	113.4	9.25	3.523	29.26	0
1/23/21 17:45	3.277	98	3.399	3.034	29.26	0
1/23/21 18:00	2.738	117.4	8.44	2.842	29.25	0
1/23/21 18:15	2.567	146.1	12.72	3.205	29.25	0
1/23/21 18:30	1.804	138.5	35.01	3.337	29.25	0
1/23/21 18:45	1.728	137.2	25.2	2.663	29.25	0
1/23/21 19:00	3.254	178.1	28.65	2.186	29.23	0
1/23/21 19:15	3.693	170.3	23.84	2.391	29.23	0
1/23/21 19:30	4.296	162.2	10.01	2.388	29.23	0
1/23/21 19:45	5.65	148.5	11.57	2.301	29.23	0
1/23/21 20:00	5.451	126.8	6.938	2.214	29.19	0
1/23/21 20:15	4.185	122.7	5.063	2.354	29.19	0
1/23/21 20:30	4.221	140.2	6.435	2.314	29.19	0
1/23/21 20:45	3.649	143.5	7.103	2.381	29.19	0
1/23/21 21:00	3.248	126.8	8.64	2.622	29.19	0
1/23/21 21:15	3.985	125.7	6.179	2.712	29.19	0
1/23/21 21:30	5.455	130.9	5.894	2.945	29.19	0
1/23/21 21:45	5.123	131.3	5.741	3.197	29.19	0
1/23/21 22:00	4.278	134.6	6.572	3.19	29.18	0
1/23/21 22:15	3.93	135.4	6.299	3.259	29.18	0
1/23/21 22:30	4.385	143	5.631	3.213	29.18	0
1/23/21 22:45	4.268	145.2	6.079	3.086	29.18	0
1/23/21 23:00	5.157	148.7	6.18	2.983	29.16	0
1/23/21 23:15	5.015	167.8	7.356	2.817	29.16	0
1/23/21 23:30	5.463	182.4	9.46	2.721	29.16	0
1/23/21 23:45	4.528	173.2	7.362	2.8	29.16	0
1/24/21 0:00	2.983	153.6	17.38	2.727	29.14	0
1/24/21 0:15	2.325	120.8	15.96	2.733	29.14	0
1/24/21 0:30	2.306	125.9	6.779	2.719	29.14	0
1/24/21 0:45	2.598	131.5	8.79	2.925	29.14	0
1/24/21 1:00	1.912	136.9	9.27	2.958	29.12	0
1/24/21 1:15	2.351	146.9	22.37	2.896	29.12	0
1/24/21 1:30	3.61	124	9.76	3.063	29.12	0
1/24/21 1:45	2.616	122.2	11.72	3.042	29.12	0
1/24/21 2:00	3.685	104.8	7.752	3.085	29.11	0
1/24/21 2:15	3.704	110.1	9.34	3.038	29.11	0
1/24/21 2:30	4.094	145	32.16	2.971	29.11	0
1/24/21 2:45	6.233	198.9	18.32	2.435	29.11	0
1/24/21 3:00	6.522	189.8	9.23	2.916	29.09	0
1/24/21 3:15	4.252	173.3	20.37	2.733	29.09	0
1/24/21 3:30	4.891	144.5	12.09	2.87	29.09	0
1/24/21 3:45	2.949	161	22.78	2.97	29.09	0
1/24/21 4:00	2.388	94.6	22.11	2.685	29.06	0
1/24/21 4:15	4.003	97.5	7.022	2.638	29.06	0
1/24/21 4:30	3.754	118.8	24.2	2.832	29.06	0
1/24/21 4:45	4.73	122.1	17.02	3.047	29.06	0
1/24/21 5:00	4.747	110.6	10.16	3.007	29.03	0
1/24/21 5:15	5.737	112.7	8.21	3.16	29.03	0
1/24/21 5:30	5.494	134.7	12.84	3.229	29.03	0
1/24/21 5:45	6.03	148.6	21.38	3.213	29.03	0
1/24/21 6:00	6.793	127.5	8.27	3.486	29.01	0
1/24/21 6:15	5.664	172.9	25.41	2.966	29.01	0
1/24/21 6:30	6.016	146.4	28.88	2.906	29.01	0
1/24/21 6:45	5.667	138.6	12.33	3.009	29.01	0
1/24/21 7:00	4.77	135.1	8.49	2.905	28.99	0
1/24/21 7:15	4.974	134.3	12.79	2.852	28.99	0.01
1/24/21 7:30	4.332	114.6	9.01	2.78	28.99	0
1/24/21 7:45	4.32	116.7	9.41	2.692	28.99	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/24/21 8:00	5.569	116.7	9.68	2.672	28.97	0
1/24/21 8:15	5.823	120.9	11.78	2.572	28.97	0
1/24/21 8:30	5.64	115.4	9.21	2.601	28.97	0
1/24/21 8:45	5.541	124.3	8.51	2.728	28.97	0
1/24/21 9:00	6.65	125.4	8.88	2.851	28.95	0
1/24/21 9:15	6.158	120.5	10.11	2.952	28.95	0
1/24/21 9:30	5.199	115.6	10.01	3.014	28.95	0
1/24/21 9:45	5.88	116.4	10.89	3.09	28.95	0
1/24/21 10:00	5.485	125.5	13.92	3.095	28.94	0.01
1/24/21 10:15	5.818	129.1	11.42	3.069	28.94	0
1/24/21 10:30	6.123	128.7	8.92	3.131	28.94	0
1/24/21 10:45	5.042	134.5	9.66	3.177	28.94	0.01
1/24/21 11:00	4.892	128.9	7.766	3.215	28.93	0
1/24/21 11:15	5.003	111.9	11.54	3.274	28.93	0
1/24/21 11:30	3.683	104.2	9.55	3.377	28.93	0
1/24/21 11:45	3.73	117.7	12.1	3.424	28.93	0
1/24/21 12:00	3.435	111.6	21.14	3.501	28.91	0
1/24/21 12:15	3.174	145.2	18.23	3.686	28.91	0
1/24/21 12:30	2.9	150.6	12.87	3.801	28.91	0
1/24/21 12:45	1.708	157.7	26.25	3.722	28.91	0
1/24/21 13:00	2.288	142.1	16.82	3.766	28.89	0
1/24/21 13:15	2.917	128.5	12.75	3.856	28.89	0
1/24/21 13:30	4.06	135.1	14.99	3.818	28.89	0.01
1/24/21 13:45	5.937	179.2	14.23	3.708	28.89	0
1/24/21 14:00	4.761	183.5	9.49	3.537	28.88	0.01
1/24/21 14:15	3.091	152.7	20.73	3.51	28.88	0
1/24/21 14:30	4.516	207.8	13.87	3.372	28.88	0.01
1/24/21 14:45	4.579	230.5	7.467	3.302	28.88	0
1/24/21 15:00	3.548	236	9.71	3.298	28.87	0.01
1/24/21 15:15	2.788	101.2	50.24	3.347	28.87	0
1/24/21 15:30	2.472	95.3	14.3	3.2	28.87	0.01
1/24/21 15:45	3.243	106.7	14.96	3.24	28.87	0
1/24/21 16:00	3.648	105.4	16.59	3.265	28.87	0
1/24/21 16:15	3.685	82.8	12.71	3.096	28.87	0.01
1/24/21 16:30	4.02	115.6	18.18	3.155	28.87	0
1/24/21 16:45	6.818	133.7	9.6	3.201	28.87	0
1/24/21 17:00	8.01	126	8.06	3.143	28.86	0
1/24/21 17:15	7.167	152.6	13.37	3.09	28.86	0
1/24/21 17:30	7.809	196.4	9.96	2.971	28.86	0
1/24/21 17:45	7.811	204.4	6.913	2.875	28.86	0.01
1/24/21 18:00	8.09	191.9	11.66	2.575	28.87	0.02
1/24/21 18:15	8.29	184	13.57	2.307	28.87	0.01
1/24/21 18:30	8.74	162.7	10.45	2.169	28.87	0.01
1/24/21 18:45	8.59	147	9.11	1.986	28.87	0.01
1/24/21 19:00	9.33	146.8	6.439	1.887	28.89	0.01
1/24/21 19:15	8.56	143.6	9.07	1.876	28.89	0.01
1/24/21 19:30	6.45	143.3	9.25	1.81	28.89	0.02
1/24/21 19:45	6.584	119.3	9.86	1.161	28.89	0.01
1/24/21 20:00	7.144	120.1	8.86	0.718	28.9	0.01
1/24/21 20:15	7.503	124.9	10.35	0.852	28.9	0.01
1/24/21 20:30	7.261	137.9	14.53	1.03	28.9	0.01
1/24/21 20:45	8.73	127	8.38	1.163	28.9	0
1/24/21 21:00	9.71	125.8	8.39	1.223	28.89	0.01
1/24/21 21:15	10.14	125.2	8.14	1.267	28.89	0.01
1/24/21 21:30	9.37	126.4	8.77	1.347	28.89	0
1/24/21 21:45	9.84	126.6	9.02	1.404	28.89	0.01
1/24/21 22:00	10.57	122.5	8.49	1.447	28.89	0
1/24/21 22:15	10.55	124.2	8.52	1.576	28.89	0
1/24/21 22:30	10.3	129.7	9.27	1.745	28.89	0
1/24/21 22:45	9.62	130.4	8.21	1.806	28.89	0
1/24/21 23:00	8.95	136.5	10.32	1.905	28.9	0
1/24/21 23:15	8.15	132.4	9.32	1.846	28.9	0
1/24/21 23:30	8.42	135.4	9.11	1.921	28.9	0
1/24/21 23:45	7.757	142.8	9.1	2.122	28.9	0
1/25/21 0:00	8.5	151.5	10.08	2.326	28.91	0
1/25/21 0:15	9.96	147.6	7.463	2.494	28.91	0
1/25/21 0:30	9.38	151.9	7.608	2.571	28.91	0
1/25/21 0:45	9.67	153.3	8.67	2.718	28.91	0
1/25/21 1:00	8.68	160.9	17.38	2.807	28.93	0
1/25/21 1:15	10.72	159.2	11.81	2.922	28.93	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/25/21 1:30	8.61	150.5	10.27	2.871	28.93	0
1/25/21 1:45	8.23	146.9	9.87	2.944	28.93	0
1/25/21 2:00	8.52	149.6	8.67	2.986	28.94	0
1/25/21 2:15	7.248	137.9	9.18	2.951	28.94	0
1/25/21 2:30	5.69	137.9	9.12	2.879	28.94	0
1/25/21 2:45	6.424	136.7	9	2.853	28.94	0
1/25/21 3:00	8.33	144.1	12.58	2.981	28.96	0
1/25/21 3:15	6.61	136.2	8.37	2.835	28.96	0
1/25/21 3:30	7.055	140.4	7.427	2.712	28.96	0
1/25/21 3:45	7.076	139.6	7.101	2.714	28.96	0
1/25/21 4:00	8.2	145.9	7.125	2.675	28.96	0
1/25/21 4:15	8.45	149.1	6.472	2.57	28.96	0
1/25/21 4:30	8.94	150.7	7.95	2.606	28.96	0
1/25/21 4:45	9.43	152.7	6.617	2.567	28.96	0
1/25/21 5:00	9.18	150.5	7.098	2.539	28.97	0
1/25/21 5:15	8.98	152.9	4.941	2.492	28.97	0
1/25/21 5:30	8.09	147.4	6.815	2.404	28.97	0
1/25/21 5:45	6.153	139.7	7.054	2.258	28.97	0
1/25/21 6:00	5.562	133.2	7.437	2.171	28.98	0
1/25/21 6:15	5.993	133.6	8.52	2.257	28.98	0
1/25/21 6:30	6.511	138.9	8.31	2.264	28.98	0
1/25/21 6:45	6.411	140.6	6.86	2.22	28.98	0
1/25/21 7:00	6.26	144.2	6.814	2.205	28.99	0
1/25/21 7:15	5.781	140.5	7.353	2.147	28.99	0
1/25/21 7:30	6.404	138.2	7.435	2.229	28.99	0
1/25/21 7:45	7.576	145	7.048	2.207	28.99	0
1/25/21 8:00	9.11	156.4	7.994	2.411	28.98	0
1/25/21 8:15	8.37	169.1	9.98	2.422	28.98	0
1/25/21 8:30	8.05	171.1	7.069	2.515	28.98	0
1/25/21 8:45	8.15	175.8	7.637	2.482	28.98	0
1/25/21 9:00	7.296	165.4	10.14	2.95	28.99	0
1/25/21 9:15	7.492	144	8.18	3.178	28.99	0
1/25/21 9:30	6.939	149.1	11.91	3.537	28.99	0
1/25/21 9:45	6.867	176.9	12.66	4.051	28.99	0
1/25/21 10:00	7.836	180	8.55	4.114	29.01	0
1/25/21 10:15	9.05	185.7	8.62	4.165	29.01	0
1/25/21 10:30	8.51	185.8	8.56	4.355	29.01	0
1/25/21 10:45	6.914	192.5	10.54	4.255	29.01	0
1/25/21 11:00	7.131	180.3	10.24	4.236	29.03	0
1/25/21 11:15	7.41	176.5	9.64	4.579	29.03	0
1/25/21 11:30	7.621	188	12.08	4.653	29.03	0
1/25/21 11:45	9.18	197.3	15.58	4.657	29.03	0
1/25/21 12:00	9.41	206.7	10.68	4.916	29.01	0
1/25/21 12:15	8.87	209.4	9.55	5.021	29.01	0
1/25/21 12:30	6.894	190.7	14.15	5.079	29.01	0
1/25/21 12:45	5.231	207.5	26.6	5.235	29.01	0
1/25/21 13:00	10.9	194.2	12.68	5.28	29.02	0
1/25/21 13:15	9.23	205	13.43	5.345	29.02	0
1/25/21 13:30	7.8	225.4	10.83	5.056	29.02	0
1/25/21 13:45	8.33	231.9	12.49	4.7	29.02	0
1/25/21 14:00	8.45	238.8	6.066	4.485	29.01	0
1/25/21 14:15	6.803	252	10.84	4.634	29.01	0
1/25/21 14:30	5.61	236.9	17.34	5.325	29.01	0
1/25/21 14:45	7.138	223.4	9	4.829	29.01	0
1/25/21 15:00	5.668	201.1	26.29	4.618	29.03	0
1/25/21 15:15	7.94	157.4	8.22	4.413	29.03	0
1/25/21 15:30	7.125	148.2	8.72	3.937	29.03	0
1/25/21 15:45	5.368	170.1	21.18	3.765	29.03	0
1/25/21 16:00	3.771	202.8	27.06	3.656	29.01	0.01
1/25/21 16:15	2.071	26.43	57.1	3.523	29.01	0
1/25/21 16:30	2.118	61.8	7.202	3.254	29.01	0
1/25/21 16:45	1.271	92.2	19.75	3.325	29.01	0
1/25/21 17:00	0.986	185.2	16.44	3.474	29.01	0
1/25/21 17:15	1.959	294.9	14.35	2.906	29.01	0
1/25/21 17:30	1.09	259.2	7.213	2.9	29.01	0
1/25/21 17:45	4.257	267.3	9	2.723	29.01	0
1/25/21 18:00	2.05	294.1	30.13	2.682	29.02	0
1/25/21 18:15	1.047	4.143	19.58	2.401	29.02	0
1/25/21 18:30	1.35	351.1	11.63	2.157	29.02	0
1/25/21 18:45	0.556	332.8	10.92	2.062	29.02	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/25/21 19:00	0.646	359.7	31.74	2.389	29.02	0
1/25/21 19:15	2.048	65.91	10.42	2.192	29.02	0
1/25/21 19:30	2.354	146.3	68.48	1.952	29.02	0
1/25/21 19:45	2.198	187.9	44.42	2.002	29.02	0
1/25/21 20:00	3.937	202.2	12.75	1.636	29.03	0
1/25/21 20:15	4.038	188.3	11.21	1.552	29.03	0
1/25/21 20:30	4.079	192.5	7.567	1.691	29.03	0
1/25/21 20:45	2.441	151.1	13.53	1.492	29.03	0
1/25/21 21:00	2.261	126.2	7.777	1.667	29.04	0
1/25/21 21:15	2.21	115	8.06	1.674	29.04	0
1/25/21 21:30	1.946	121.3	11.89	1.901	29.04	0
1/25/21 21:45	2.089	140.6	12.39	2.072	29.04	0
1/25/21 22:00	2.553	172.8	19.48	2.104	29.02	0
1/25/21 22:15	4.07	183.9	8.18	2.222	29.02	0
1/25/21 22:30	4.692	168.8	7.321	2.078	29.02	0
1/25/21 22:45	5.061	171.3	7.999	2.003	29.02	0
1/25/21 23:00	4.074	151.8	12.22	1.849	29	0
1/25/21 23:15	3.141	132.3	12.03	1.809	29	0
1/25/21 23:30	3.182	114.6	8.6	1.723	29	0
1/25/21 23:45	3.36	110.9	9.08	1.765	29	0
1/26/21 0:00	1.228	129.9	22.93	1.786	28.98	0
1/26/21 0:15	1.241	138.9	16.41	1.996	28.98	0
1/26/21 0:30	0.688	84.5	2.904	1.897	28.98	0
1/26/21 0:45	0.866	133.4	10.62	1.9	28.98	0
1/26/21 1:00	0.03	116.5	0.175	2.045	28.99	0
1/26/21 1:15	0.426	100.5	10.83	2.118	28.99	0
1/26/21 1:30	1.347	54.86	16.67	1.952	28.99	0
1/26/21 1:45	1.896	32.1	16.42	1.502	28.99	0
1/26/21 2:00	1.69	87.8	24.74	0.921	28.97	0
1/26/21 2:15	2.732	134.6	9.18	0.97	28.97	0
1/26/21 2:30	3.403	144	19.79	1.515	28.97	0
1/26/21 2:45	3.551	77.96	39.12	0.612	28.97	0
1/26/21 3:00	1.94	62.41	9.02	0.247	28.93	0
1/26/21 3:15	2.537	115.6	34.89	0.906	28.93	0
1/26/21 3:30	4.967	176.2	16.73	0.949	28.93	0
1/26/21 3:45	4.73	168.8	13.59	0.77	28.93	0
1/26/21 4:00	4.32	162.2	10.3	0.769	28.93	0
1/26/21 4:15	3.716	165.1	13.33	0.621	28.93	0
1/26/21 4:30	5.274	164.1	17.71	0.495	28.93	0
1/26/21 4:45	6.092	157	11.66	0.865	28.93	0
1/26/21 5:00	5.539	125.3	12.86	0.87	28.91	0
1/26/21 5:15	5.249	114.1	11.99	0.773	28.91	0
1/26/21 5:30	4.543	146.8	12.46	0.87	28.91	0
1/26/21 5:45	6.908	159.5	14.13	1.061	28.91	0
1/26/21 6:00	5.614	125	19.17	1.179	28.87	0
1/26/21 6:15	5.164	163.8	26.05	1.032	28.87	0
1/26/21 6:30	8.22	142	21.2	1.064	28.87	0
1/26/21 6:45	8.15	114.7	13.17	1.08	28.87	0
1/26/21 7:00	7.116	116.9	15.85	0.93	28.87	0
1/26/21 7:15	6.705	105.7	13.22	0.9	28.87	0
1/26/21 7:30	4.899	116	16.54	0.747	28.87	0
1/26/21 7:45	4.175	114.6	20.17	0.761	28.87	0
1/26/21 8:00	5.627	104.6	14.79	0.587	28.86	0
1/26/21 8:15	5.497	112.5	12.33	0.695	28.86	0
1/26/21 8:30	5.365	119.1	11.92	0.952	28.86	0
1/26/21 8:45	6.315	107.6	15.02	1.117	28.86	0
1/26/21 9:00	7.4	106.9	12.27	1.189	28.82	0
1/26/21 9:15	8.45	116.1	11.94	1.385	28.82	0
1/26/21 9:30	7.858	112.8	12.53	1.593	28.82	0
1/26/21 9:45	7.332	125.2	11.42	2.055	28.82	0
1/26/21 10:00	6.328	109.1	14.58	2.339	28.8	0
1/26/21 10:15	6.705	107.8	18.17	2.988	28.8	0
1/26/21 10:30	11.78	104.5	14.1	3.155	28.8	0
1/26/21 10:45	11.78	113.7	15.41	3.476	28.8	0
1/26/21 11:00	11.36	123.2	13.68	3.723	28.79	0
1/26/21 11:15	9.68	117.8	17.95	4.052	28.79	0
1/26/21 11:30	10.48	116.2	17.79	4.085	28.79	0
1/26/21 11:45	9.38	122.9	15.15	4.182	28.79	0
1/26/21 12:00	10.88	111.1	14.7	4.247	28.76	0
1/26/21 12:15	11.36	107.3	14.89	4.16	28.76	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/26/21 12:30	14.42	104.2	14.19	4.008	28.76	0
1/26/21 12:45	14.31	111	14.14	3.918	28.76	0
1/26/21 13:00	15.22	112.8	15.95	3.982	28.73	0
1/26/21 13:15	14.58	112.7	13.21	4.102	28.73	0
1/26/21 13:30	13.2	109.1	15.28	4.22	28.73	0
1/26/21 13:45	16.38	113.6	13.58	4.168	28.73	0
1/26/21 14:00	12.64	112.4	13.41	4.113	28.72	0
1/26/21 14:15	15.51	116	15.98	4.088	28.72	0
1/26/21 14:30	14.83	105.9	14.33	4.092	28.72	0
1/26/21 14:45	16.03	110.2	17.07	4.035	28.72	0
1/26/21 15:00	15.96	110.8	17.05	4.048	28.69	0
1/26/21 15:15	14.77	114.5	16.52	4.066	28.69	0
1/26/21 15:30	18.95	106.4	14.77	4.074	28.69	0
1/26/21 15:45	18.1	100.9	15.66	4.027	28.69	0
1/26/21 16:00	17.91	106.3	13.2	3.954	28.66	0
1/26/21 16:15	19.97	107.9	11.83	3.911	28.66	0
1/26/21 16:30	17.64	105.9	13.7	3.791	28.66	0
1/26/21 16:45	15.23	104.6	14.26	3.744	28.66	0
1/26/21 17:00	18.23	104.6	11.42	3.777	28.64	0
1/26/21 17:15	19.67	105.6	14.48	3.84	28.64	0
1/26/21 17:30	17.19	108.8	15.25	3.918	28.64	0
1/26/21 17:45	19.81	113.9	13.67	4.041	28.64	0
1/26/21 18:00	19.13	113.3	13.15	4.191	28.61	0
1/26/21 18:15	17.99	113.7	12.75	4.149	28.61	0
1/26/21 18:30	17.02	110.6	13.71	4.195	28.61	0
1/26/21 18:45	20.29	118.9	11.37	4.295	28.61	0
1/26/21 19:00	22.22	115.9	12.73	4.396	28.59	0
1/26/21 19:15	22.5	115.1	13.78	4.452	28.59	0
1/26/21 19:30	19.46	113.8	14.27	4.498	28.59	0
1/26/21 19:45	21.28	116.6	13.73	4.61	28.59	0
1/26/21 20:00	19.95	113.7	12.8	4.709	28.61	0
1/26/21 20:15	20.35	111.4	13.79	4.783	28.61	0
1/26/21 20:30	21.76	109.2	16.39	4.881	28.61	0
1/26/21 20:45	23.33	111.2	13.8	4.942	28.61	0
1/26/21 21:00	23.44	111.4	11.14	5.012	28.59	0
1/26/21 21:15	22.29	111.4	13.43	5.052	28.59	0
1/26/21 21:30	21.49	109.1	13.83	5.134	28.59	0
1/26/21 21:45	22.13	107.2	13.16	5.156	28.59	0
1/26/21 22:00	20.74	109	12.99	5.172	28.59	0
1/26/21 22:15	22.69	109.4	12.89	5.272	28.59	0
1/26/21 22:30	21.83	112.4	13.47	5.369	28.59	0
1/26/21 22:45	23.22	109.9	13	5.519	28.59	0
1/26/21 23:00	22.1	113.8	12.8	5.521	28.57	0
1/26/21 23:15	21.73	109.1	13.03	5.56	28.57	0
1/26/21 23:30	19.56	101.1	12.93	5.64	28.57	0
1/26/21 23:45	13.88	102.7	14.7	5.643	28.57	0
1/27/21 0:00	15.31	104.6	13.61	5.555	28.6	0
1/27/21 0:15	16.14	94.6	14.33	5.461	28.6	0
1/27/21 0:30	14.45	103.4	14.21	5.434	28.6	0
1/27/21 0:45	17.44	108.1	12.28	5.435	28.6	0
1/27/21 1:00	13.92	109.9	11.62	5.475	28.61	0
1/27/21 1:15	11.44	104.2	13.49	5.433	28.61	0
1/27/21 1:30	13.1	111.1	13.44	5.403	28.61	0
1/27/21 1:45	14.99	122.3	12.18	5.28	28.61	0
1/27/21 2:00	14.89	113.7	12.72	5.185	28.6	0
1/27/21 2:15	13.39	114.3	11.23	5.137	28.6	0
1/27/21 2:30	13.38	117.1	12.15	5.172	28.6	0
1/27/21 2:45	10.85	117.2	10.76	5.121	28.6	0
1/27/21 3:00	7.773	113.1	12.07	5.118	28.62	0
1/27/21 3:15	10.2	119.9	12.05	5.152	28.62	0
1/27/21 3:30	11.54	124.3	11.18	5.062	28.62	0
1/27/21 3:45	10.94	125.8	10.05	5.015	28.62	0
1/27/21 4:00	10.35	122.8	10.34	4.983	28.64	0
1/27/21 4:15	10.05	128.4	8.52	5.038	28.64	0
1/27/21 4:30	10.32	133.5	10.2	4.977	28.64	0
1/27/21 4:45	10.23	138.5	9.58	4.93	28.64	0
1/27/21 5:00	8.53	143.2	10.3	4.908	28.64	0
1/27/21 5:15	4.888	196.1	14.93	4.562	28.64	0
1/27/21 5:30	5.34	209.4	11.59	4.395	28.64	0
1/27/21 5:45	5.796	196.9	7.402	4.258	28.64	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/27/21 6:00	7.277	181.2	10.23	4.395	28.65	0
1/27/21 6:15	7.162	196.9	10.61	4.155	28.65	0
1/27/21 6:30	8.55	190.9	22.01	3.827	28.65	0
1/27/21 6:45	6.862	196.1	18.91	3.405	28.65	0
1/27/21 7:00	7.213	175.7	21.58	3.2	28.68	0
1/27/21 7:15	4.1	131.5	68.83	3.066	28.68	0
1/27/21 7:30	5.201	16.48	21.91	2.51	28.68	0
1/27/21 7:45	4.739	2.702	13.4	2.122	28.68	0
1/27/21 8:00	4.104	4.741	12.59	2.081	28.69	0
1/27/21 8:15	3.517	357.7	13.77	1.939	28.69	0
1/27/21 8:30	3.048	312	22.9	1.803	28.69	0.01
1/27/21 8:45	3.99	288.2	9.35	2.001	28.69	0
1/27/21 9:00	2.453	328.5	70.81	2.048	28.72	0
1/27/21 9:15	3.891	319.7	12.99	1.941	28.72	0
1/27/21 9:30	4.379	340.4	19.5	1.894	28.72	0
1/27/21 9:45	4.439	0.741	13.24	2.456	28.72	0
1/27/21 10:00	3.951	15.4	9.17	2.523	28.73	0
1/27/21 10:15	3.958	13.86	6.867	2.727	28.73	0
1/27/21 10:30	2.891	28.13	13	3.037	28.73	0
1/27/21 10:45	3.103	10.01	12.7	3.192	28.73	0
1/27/21 11:00	2.795	345.5	17.56	3.524	28.74	0
1/27/21 11:15	3.132	334.3	8.55	3.787	28.74	0
1/27/21 11:30	3.177	324.3	12.34	3.915	28.74	0
1/27/21 11:45	4.188	291.8	7.663	4.066	28.74	0
1/27/21 12:00	4.835	292.8	6.995	4.268	28.75	0
1/27/21 12:15	6.082	310.2	6.731	4.395	28.75	0
1/27/21 12:30	6.433	327.6	17.1	4.822	28.75	0
1/27/21 12:45	4.329	326.9	13.25	5.042	28.75	0
1/27/21 13:00	4.152	335.1	20.21	5.431	28.76	0
1/27/21 13:15	3.477	345.3	17.22	5.341	28.76	0
1/27/21 13:30	3.108	12.84	11.65	5.446	28.76	0
1/27/21 13:45	2.355	20.79	9.37	5.67	28.76	0
1/27/21 14:00	1.129	22.04	15.24	6.33	28.76	0
1/27/21 14:15	3.231	15.18	15.09	6.337	28.76	0
1/27/21 14:30	2.585	0.642	17.92	6.779	28.76	0
1/27/21 14:45	2.298	17.56	15.07	6.813	28.76	0
1/27/21 15:00	2.914	9.24	12.46	6.646	28.76	0
1/27/21 15:15	4.43	19.45	8.64	6.289	28.76	0
1/27/21 15:30	3.788	17.83	8.97	6.075	28.76	0
1/27/21 15:45	3.59	13.67	8.43	6.12	28.76	0
1/27/21 16:00	3.499	19.46	9.61	5.964	28.75	0
1/27/21 16:15	4.115	11.4	8.14	5.739	28.75	0
1/27/21 16:30	5.259	11.07	7.573	5.572	28.75	0
1/27/21 16:45	5.553	9.55	8.89	5.397	28.75	0
1/27/21 17:00	4.53	15.3	13.68	5.39	28.75	0
1/27/21 17:15	2.948	71.99	34.41	5.593	28.75	0
1/27/21 17:30	5.939	167.3	12.42	5.454	28.75	0
1/27/21 17:45	11.65	146.6	9.51	5.917	28.75	0
1/27/21 18:00	11.94	152.2	9.47	5.426	28.79	0
1/27/21 18:15	7.835	117.2	19.45	4.543	28.79	0.01
1/27/21 18:30	4.051	101.5	16.44	4.013	28.79	0
1/27/21 18:45	3.883	42.21	19.2	3.699	28.79	0
1/27/21 19:00	1.556	17.15	11.92	3.791	28.79	0
1/27/21 19:15	4.174	109.8	18.14	4.213	28.79	0
1/27/21 19:30	7.246	106.5	11.85	4.05	28.79	0.01
1/27/21 19:45	5.098	68.01	14.11	3.902	28.79	0
1/27/21 20:00	3.194	24.73	16.58	3.775	28.79	0
1/27/21 20:15	2.768	42.7	24.22	4.167	28.79	0
1/27/21 20:30	3.606	69.91	21.09	4.478	28.79	0
1/27/21 20:45	1.266	26.84	31.72	4.213	28.79	0
1/27/21 21:00	1.961	55.53	16.43	4.373	28.78	0
1/27/21 21:15	2.611	90.4	27.31	4.573	28.78	0
1/27/21 21:30	2.626	118.5	48.32	4.685	28.78	0
1/27/21 21:45	2.167	121.7	26.85	4.751	28.78	0
1/27/21 22:00	3.123	34.56	54.39	3.945	28.78	0
1/27/21 22:15	3.276	13.31	11.96	3.479	28.78	0
1/27/21 22:30	2.614	297.8	48.63	4.148	28.78	0
1/27/21 22:45	2.264	237.2	89.9	4.705	28.78	0
1/27/21 23:00	3.125	289.6	22.22	4.217	28.79	0
1/27/21 23:15	2.746	156.2	55.7	5.068	28.79	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/27/21 23:30	3.009	136.3	15.67	4.808	28.79	0
1/27/21 23:45	2.25	188.3	72.97	4.512	28.79	0
1/28/21 0:00	1.826	260.3	30.47	4.182	28.79	0
1/28/21 0:15	1.897	123	65.68	4.397	28.79	0
1/28/21 0:30	0.458	88.7	10.68	4.125	28.79	0
1/28/21 0:45	1.76	51.4	29.31	4.075	28.79	0
1/28/21 1:00	2.682	49.78	26.44	4.106	28.79	0
1/28/21 1:15	3.698	39.64	16.13	4.193	28.79	0
1/28/21 1:30	2.88	21.14	13.7	4.118	28.79	0
1/28/21 1:45	2.896	20.11	18.05	4.462	28.79	0
1/28/21 2:00	2.686	66.06	23.15	4.523	28.79	0
1/28/21 2:15	4.838	54.08	16.51	3.954	28.79	0
1/28/21 2:30	5.432	90.7	20.91	4.491	28.79	0
1/28/21 2:45	7.966	100.9	10.41	4.791	28.79	0
1/28/21 3:00	8.37	105.3	9.95	4.611	28.79	0
1/28/21 3:15	7.081	98.2	10.4	4.824	28.79	0
1/28/21 3:30	4.404	73.89	9.1	4.889	28.79	0
1/28/21 3:45	2.628	55.41	16.11	4.849	28.79	0.01
1/28/21 4:00	3.798	80.3	15.27	4.753	28.79	0
1/28/21 4:15	5.711	116.7	31.24	4.211	28.79	0.01
1/28/21 4:30	5.894	116.6	10.21	4.403	28.79	0
1/28/21 4:45	4.275	149.4	16.89	4.501	28.79	0
1/28/21 5:00	2.59	226.8	43.31	4.767	28.81	0.01
1/28/21 5:15	5.645	290.7	3.163	4.356	28.81	0.02
1/28/21 5:30	7.648	287.4	1.992	3.976	28.81	0.01
1/28/21 5:45	7.092	299.1	4.136	3.944	28.81	0
1/28/21 6:00	7.369	296.1	4.947	3.816	28.82	0
1/28/21 6:15	4.226	329.9	41.4	3.637	28.82	0.01
1/28/21 6:30	4.489	317.1	23.17	3.457	28.82	0
1/28/21 6:45	7.16	301.6	8.13	3.592	28.82	0
1/28/21 7:00	7.945	309.1	4.813	3.534	28.84	0
1/28/21 7:15	5.096	329.6	11.71	3.488	28.84	0
1/28/21 7:30	4.209	316.3	17.79	3.522	28.84	0
1/28/21 7:45	4.745	282.2	6.053	3.692	28.84	0
1/28/21 8:00	2.548	14.66	39.97	3.427	28.86	0
1/28/21 8:15	2.888	17.68	9.76	3.232	28.86	0
1/28/21 8:30	4.301	345.9	22.47	3.345	28.86	0
1/28/21 8:45	4.032	322.2	15.92	3.832	28.86	0
1/28/21 9:00	2.262	306.2	12.88	4.024	28.88	0
1/28/21 9:15	1.828	344.7	21	3.999	28.88	0
1/28/21 9:30	3.187	352.6	15.43	3.905	28.88	0
1/28/21 9:45	3.527	350.3	17.55	3.82	28.88	0
1/28/21 10:00	5.505	357.3	14.92	4.251	28.88	0
1/28/21 10:15	4.773	356.2	14.92	4.762	28.88	0
1/28/21 10:30	5.632	357.5	16.32	4.913	28.88	0
1/28/21 10:45	4.017	351.9	16.05	4.87	28.88	0
1/28/21 11:00	3.629	334	18.25	5.02	28.88	0
1/28/21 11:15	3.852	329.7	20.11	4.801	28.88	0
1/28/21 11:30	2.53	19.55	13.35	4.828	28.88	0
1/28/21 11:45	4.647	2.757	13.78	4.951	28.88	0.01
1/28/21 12:00	4.634	1.736	19.98	4.806	28.91	0
1/28/21 12:15	5.581	7.309	13.3	4.7	28.91	0.01
1/28/21 12:30	6.343	352.6	15.44	4.851	28.91	0
1/28/21 12:45	6.907	7.262	12.16	4.893	28.91	0
1/28/21 13:00	7.663	3.787	13.62	4.924	28.91	0
1/28/21 13:15	9.27	3.103	14.51	4.956	28.91	0
1/28/21 13:30	8.99	4.111	14.05	4.98	28.91	0
1/28/21 13:45	8.43	8.85	12.72	5.142	28.91	0
1/28/21 14:00	6.153	15.88	11.37	5.619	28.89	0
1/28/21 14:15	7.387	15.17	12.61	5.429	28.89	0
1/28/21 14:30	7.968	13.7	10.12	5.215	28.89	0
1/28/21 14:45	8.92	9.4	12.9	5.11	28.89	0
1/28/21 15:00	7.298	8.05	12.52	5.279	28.92	0
1/28/21 15:15	4.04	1.204	12.65	5.674	28.92	0
1/28/21 15:30	2.666	341.1	21.42	5.75	28.92	0
1/28/21 15:45	2.544	3.426	18.38	5.758	28.92	0
1/28/21 16:00	4.216	13.11	17.04	5.618	28.93	0
1/28/21 16:15	6.147	11.73	8.51	5.253	28.93	0
1/28/21 16:30	5.398	8.68	10.52	5.077	28.93	0
1/28/21 16:45	5.854	15.05	8.45	5.094	28.93	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/28/21 17:00	6.389	23.68	7.61	5.042	28.95	0
1/28/21 17:15	6.032	24.72	7.997	4.931	28.95	0
1/28/21 17:30	5.433	20.13	11.52	4.927	28.95	0
1/28/21 17:45	4.761	33.15	6.306	4.853	28.95	0
1/28/21 18:00	4.552	21.17	7.211	4.836	28.93	0
1/28/21 18:15	3.272	13.69	13.3	4.552	28.93	0
1/28/21 18:30	3.374	277.4	29.7	4.466	28.93	0
1/28/21 18:45	4.087	279.8	14.74	4.671	28.93	0
1/28/21 19:00	2.465	354.8	29.8	4.391	28.96	0
1/28/21 19:15	2.733	27.74	5.875	4.368	28.96	0
1/28/21 19:30	2.983	27.04	7.478	4.295	28.96	0
1/28/21 19:45	3.535	25.77	9.98	4.23	28.96	0
1/28/21 20:00	3.613	19.93	3.623	4.242	28.97	0
1/28/21 20:15	2.788	58.83	21.79	4.308	28.97	0
1/28/21 20:30	2.224	118.4	17.06	4.272	28.97	0
1/28/21 20:45	2.964	154.4	21.91	4.283	28.97	0
1/28/21 21:00	2.915	186	12.34	4.453	28.98	0
1/28/21 21:15	1.991	200.3	36.17	4.53	28.98	0
1/28/21 21:30	1.421	149.5	14.82	4.651	28.98	0
1/28/21 21:45	3.38	204.7	13.8	4.592	28.98	0
1/28/21 22:00	1.953	224.4	90.1	4.399	28.97	0
1/28/21 22:15	1.712	34.85	7.153	4.093	28.97	0
1/28/21 22:30	2.395	33.23	3.671	4.194	28.97	0
1/28/21 22:45	0.801	22.73	3.028	4.511	28.97	0
1/28/21 23:00	0.495	12.4	7.168	4.634	28.97	0
1/28/21 23:15	0.654	0.088	0.086	4.638	28.97	0
1/28/21 23:30	0.757	16.4	16.62	4.185	28.97	0
1/28/21 23:45	0	0	0	4.061	28.97	0
1/29/21 0:00	0	0	0	4.14	28.99	0
1/29/21 0:15	0	0	0	4.211	28.99	0
1/29/21 0:30	0.717	59.61	1.667	4.344	28.99	0
1/29/21 0:45	1.494	60.94	3.49	3.929	28.99	0
1/29/21 1:00	1.139	45.25	10.77	3.816	28.99	0
1/29/21 1:15	0.7	29.04	6.328	3.835	28.99	0.01
1/29/21 1:30	1.409	15.26	1.198	3.967	28.99	0
1/29/21 1:45	2.028	17.49	4.67	3.931	28.99	0
1/29/21 2:00	2.362	11.99	4.171	3.767	28.99	0
1/29/21 2:15	2.136	5.711	5.937	3.624	28.99	0
1/29/21 2:30	1.395	343.5	23.73	3.716	28.99	0
1/29/21 2:45	1	12.69	42.4	3.692	28.99	0
1/29/21 3:00	1.36	12.86	12	3.56	28.99	0
1/29/21 3:15	0.888	5.016	18.68	3.547	28.99	0
1/29/21 3:30	0	0	0	3.648	28.99	0
1/29/21 3:45	0.916	219.8	25.87	3.671	28.99	0
1/29/21 4:00	1.672	253.9	14.85	3.554	28.99	0
1/29/21 4:15	1.38	271	26.61	3.583	28.99	0
1/29/21 4:30	0.127	333.8	29.96	3.54	28.99	0
1/29/21 4:45	0	0	0	3.606	28.99	0
1/29/21 5:00	0.812	32.98	7.116	3.466	28.96	0
1/29/21 5:15	0.396	22.44	0.118	3.577	28.96	0
1/29/21 5:30	1.588	274	17.66	3.547	28.96	0
1/29/21 5:45	1.312	203.3	21.82	3.504	28.96	0
1/29/21 6:00	1.403	86.2	13.04	3.53	28.96	0
1/29/21 6:15	1.179	50.39	13.09	3.359	28.96	0
1/29/21 6:30	0.772	15.85	16.83	3.476	28.96	0
1/29/21 6:45	2.257	114.1	20.45	3.42	28.96	0
1/29/21 7:00	2.965	152.8	6.219	3.5	28.96	0
1/29/21 7:15	3.925	131	15.06	3.553	28.96	0
1/29/21 7:30	2.449	98.3	7.298	3.48	28.96	0
1/29/21 7:45	3.417	84.7	9.07	3.31	28.96	0
1/29/21 8:00	2.868	153.8	35.68	3.207	28.96	0
1/29/21 8:15	3.254	189.7	23.08	3.148	28.96	0
1/29/21 8:30	3.542	141.1	4.77	3.648	28.96	0
1/29/21 8:45	3.925	137	12.44	3.641	28.96	0
1/29/21 9:00	2.685	138.9	10.07	3.491	28.97	0
1/29/21 9:15	3.484	143.7	12.48	3.637	28.97	0
1/29/21 9:30	3.765	149.7	15.58	4.11	28.97	0
1/29/21 9:45	4.254	147.9	12.97	4.567	28.97	0
1/29/21 10:00	4.53	163.2	17.05	4.782	28.98	0
1/29/21 10:15	4.327	172.2	15.42	4.842	28.98	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/29/21 10:30	2.089	147.4	25.6	5.509	28.98	0
1/29/21 10:45	1.913	138.1	29.02	6.339	28.98	0
1/29/21 11:00	3.667	210.4	12.76	5.896	28.97	0
1/29/21 11:15	3.621	193.3	13.87	5.63	28.97	0
1/29/21 11:30	2.698	161.2	31.29	6.362	28.97	0
1/29/21 11:45	5.844	162.9	16.21	6.654	28.97	0
1/29/21 12:00	4.669	209.2	32.78	6.35	28.98	0
1/29/21 12:15	3.966	255.8	16.29	6.254	28.98	0
1/29/21 12:30	5.953	224.6	12.25	6.371	28.98	0
1/29/21 12:45	5.74	216.6	10.2	6.397	28.98	0
1/29/21 13:00	6.26	227	8.88	6.362	28.97	0
1/29/21 13:15	4.41	210.8	13.85	6.535	28.97	0
1/29/21 13:30	4.975	185.4	10.88	6.633	28.97	0
1/29/21 13:45	6.363	183.8	16.42	7.421	28.97	0
1/29/21 14:00	5.561	183.1	15.79	7.502	28.97	0
1/29/21 14:15	4.866	193.6	15.53	7.611	28.97	0
1/29/21 14:30	6.799	206.8	16.03	7.47	28.97	0
1/29/21 14:45	7.198	211.6	7.834	7.446	28.97	0
1/29/21 15:00	5.405	203.1	12.06	7.415	28.97	0
1/29/21 15:15	3.674	189	13.4	7.442	28.97	0
1/29/21 15:30	5.392	200.7	13.53	7.293	28.97	0
1/29/21 15:45	6.443	208.9	13.29	7.179	28.97	0
1/29/21 16:00	6.026	248.2	10.48	6.855	28.98	0
1/29/21 16:15	6.767	264.3	11.88	6.491	28.98	0
1/29/21 16:30	7.428	260.5	6.772	6.145	28.98	0
1/29/21 16:45	5.137	263.5	8.25	5.92	28.98	0
1/29/21 17:00	3.871	269	7.604	5.686	28.96	0
1/29/21 17:15	1.673	11.42	52.59	5.423	28.96	0
1/29/21 17:30	2.697	47.01	4.324	5.385	28.96	0
1/29/21 17:45	3.413	52.28	4.813	5.398	28.96	0
1/29/21 18:00	4.616	72.69	7.268	5.305	28.97	0
1/29/21 18:15	3.973	84.7	4.963	5.243	28.97	0
1/29/21 18:30	3.354	91.3	4.509	5.19	28.97	0
1/29/21 18:45	2.753	100.7	6.161	5.337	28.97	0
1/29/21 19:00	2.534	79.38	12.34	5.241	28.97	0
1/29/21 19:15	1.177	133.3	63.14	5.016	28.97	0
1/29/21 19:30	1.919	146.8	26.63	4.92	28.97	0
1/29/21 19:45	3.114	134.7	7.627	5.112	28.97	0
1/29/21 20:00	2.783	137.6	17.66	4.852	28.97	0
1/29/21 20:15	3.775	126.8	14.55	4.779	28.97	0
1/29/21 20:30	4.556	112.2	8.2	4.916	28.97	0
1/29/21 20:45	3.645	156.3	21.52	4.868	28.97	0
1/29/21 21:00	5.982	215.6	20.58	4.475	28.99	0
1/29/21 21:15	6.125	217.3	12.41	4.426	28.99	0
1/29/21 21:30	3.105	241.5	10.62	4.538	28.99	0
1/29/21 21:45	3.179	212.6	13.85	4.451	28.99	0
1/29/21 22:00	3.083	156.1	58.18	4.25	29.03	0
1/29/21 22:15	2.259	92.7	14.2	3.873	29.03	0
1/29/21 22:30	5.478	83.1	7.128	3.743	29.03	0
1/29/21 22:45	4.704	89.1	8.7	3.888	29.03	0
1/29/21 23:00	4.678	114.8	7.561	4.316	29.03	0
1/29/21 23:15	4.31	139.3	13.52	4.324	29.03	0
1/29/21 23:30	3.189	136.4	17.59	4.231	29.03	0
1/29/21 23:45	3.226	152.3	30.47	4.319	29.03	0.01
1/30/21 0:00	4.887	179.5	19.94	3.862	29.04	0
1/30/21 0:15	4.697	154.2	16.98	3.719	29.04	0
1/30/21 0:30	4.325	112.2	10.63	3.884	29.04	0
1/30/21 0:45	4.606	129.7	9.99	4.07	29.04	0
1/30/21 1:00	4.875	112.2	13.8	4.17	29.03	0
1/30/21 1:15	5.584	112.4	11.13	4.274	29.03	0
1/30/21 1:30	7.212	137.3	12.71	4.409	29.03	0
1/30/21 1:45	8.08	121.9	10.24	4.52	29.03	0
1/30/21 2:00	8.45	114.7	9.26	4.649	29.02	0
1/30/21 2:15	8.38	114.9	8.87	4.811	29.02	0
1/30/21 2:30	7.634	105.3	11.28	4.755	29.02	0
1/30/21 2:45	8.36	130.7	28.86	4.708	29.02	0
1/30/21 3:00	8.56	137.3	10.47	4.508	29.03	0.01
1/30/21 3:15	8.01	135.4	10.1	4.368	29.03	0.01
1/30/21 3:30	10.24	119.2	8.55	4.374	29.03	0.01
1/30/21 3:45	11.58	115.4	9.13	4.265	29.03	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/30/21 4:00	11.41	116.1	8.65	4.2	29.03	0.01
1/30/21 4:15	11.63	110.1	10.44	4.049	29.03	0
1/30/21 4:30	13.14	118.8	10.11	4.16	29.03	0
1/30/21 4:45	13.8	122.1	10.13	4.275	29.03	0
1/30/21 5:00	15.32	122.6	11.16	4.627	29.03	0
1/30/21 5:15	14.38	125.1	9.72	4.923	29.03	0
1/30/21 5:30	14.74	126.9	10.3	5.134	29.03	0
1/30/21 5:45	14.18	126	9.8	5.235	29.03	0
1/30/21 6:00	13.3	127.3	10.55	5.195	29.04	0
1/30/21 6:15	12.91	128.1	10.51	5.505	29.04	0
1/30/21 6:30	12.74	130.4	9.12	5.749	29.04	0
1/30/21 6:45	13.9	128.7	8.9	5.872	29.04	0
1/30/21 7:00	12.58	124.4	10.04	5.725	29.03	0
1/30/21 7:15	12.2	130.6	9.79	5.751	29.03	0
1/30/21 7:30	14.25	127.2	10.14	5.57	29.03	0
1/30/21 7:45	16.64	126.1	11.07	5.547	29.03	0
1/30/21 8:00	13.78	126.2	9.97	5.294	29.03	0
1/30/21 8:15	13.15	128.4	10.1	5.519	29.03	0.01
1/30/21 8:30	12.63	125.6	8.83	5.407	29.03	0
1/30/21 8:45	15.7	128.9	8.22	5.809	29.03	0
1/30/21 9:00	13.9	130.1	10.17	5.954	29.06	0
1/30/21 9:15	11.68	130.2	10.03	5.91	29.06	0
1/30/21 9:30	12.19	126.8	10.35	6.071	29.06	0
1/30/21 9:45	11.37	129.1	10.94	6.162	29.06	0
1/30/21 10:00	9.76	138.3	11.36	6.351	29.07	0
1/30/21 10:15	9.53	152.6	12.76	6.38	29.07	0
1/30/21 10:30	9.52	145.8	13.88	6.448	29.07	0
1/30/21 10:45	12.94	133.9	14.28	5.913	29.07	0
1/30/21 11:00	11.03	121.6	11.43	5.275	29.11	0.01
1/30/21 11:15	12.89	127.1	11.56	5.543	29.11	0
1/30/21 11:30	13.78	127.6	9.01	6.02	29.11	0
1/30/21 11:45	11.18	132.1	10.74	6.375	29.11	0
1/30/21 12:00	12.55	132.2	10.27	6.852	29.09	0
1/30/21 12:15	10.76	132.8	11.78	6.947	29.09	0
1/30/21 12:30	9.29	132.3	12.1	7.02	29.09	0
1/30/21 12:45	8.3	140.2	10.23	7.254	29.09	0
1/30/21 13:00	7.918	131.7	11.05	7.462	29.08	0
1/30/21 13:15	9.22	127.9	9.29	7.606	29.08	0
1/30/21 13:30	10.04	123.8	12.86	7.712	29.08	0
1/30/21 13:45	7.877	120.6	12.7	7.853	29.08	0
1/30/21 14:00	7.816	126.8	10.72	7.964	29.05	0
1/30/21 14:15	7.445	123.8	11.36	8.13	29.05	0
1/30/21 14:30	8.51	133.8	10.73	8.18	29.05	0
1/30/21 14:45	9.18	125.7	11.24	8.35	29.05	0
1/30/21 15:00	8.53	130.5	11.01	8.34	29.05	0
1/30/21 15:15	9.58	132.4	11.73	8.39	29.05	0
1/30/21 15:30	9.82	132.5	11.63	8.5	29.05	0
1/30/21 15:45	10.97	130.7	10.36	8.58	29.05	0
1/30/21 16:00	7.871	140.9	19.97	8.61	29.05	0
1/30/21 16:15	9.59	132.2	13.39	8.6	29.05	0
1/30/21 16:30	10.64	132.6	11.94	8.64	29.05	0
1/30/21 16:45	8.96	147.5	21.25	8.38	29.05	0
1/30/21 17:00	9.78	132.5	16.19	8.4	29.05	0
1/30/21 17:15	8.41	131.7	10.73	8.4	29.05	0
1/30/21 17:30	8.53	135.3	16.56	8.31	29.05	0
1/30/21 17:45	9.01	131	11.29	8.06	29.05	0
1/30/21 18:00	9.94	128.1	10.8	8.06	29.06	0
1/30/21 18:15	6.905	170.2	31.12	7.881	29.06	0
1/30/21 18:30	6.285	161.8	18.64	7.694	29.06	0
1/30/21 18:45	4.807	187.7	23.66	7.423	29.06	0
1/30/21 19:00	3.706	184.7	36.3	7.334	29.09	0
1/30/21 19:15	5.013	209.9	9.3	7.247	29.09	0
1/30/21 19:30	4.18	230.2	10.1	7.318	29.09	0
1/30/21 19:45	5.548	242.1	6.625	7.314	29.09	0
1/30/21 20:00	3.233	280.6	34.38	7.001	29.07	0
1/30/21 20:15	3.089	40.69	10.55	6.074	29.07	0
1/30/21 20:30	3.315	59.61	7.451	6.028	29.07	0
1/30/21 20:45	1.092	99.1	24.85	6.797	29.07	0.01
1/30/21 21:00	2.147	23.36	12.71	6.723	29.07	0
1/30/21 21:15	3.158	42.07	5.655	5.722	29.07	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/30/21 21:30	2.187	3.272	25.2	6.403	29.07	0
1/30/21 21:45	3.861	303.1	44.64	7.016	29.07	0
1/30/21 22:00	6.337	288	12.89	6.948	29.05	0
1/30/21 22:15	4.636	321.4	32.36	6.085	29.05	0
1/30/21 22:30	2.12	313.2	25.56	6.514	29.05	0
1/30/21 22:45	3.245	45.8	9.33	6.083	29.05	0
1/30/21 23:00	3.62	27.42	6.817	5.731	29.07	0
1/30/21 23:15	3.77	46.27	10.43	6.366	29.07	0
1/30/21 23:30	5.954	110.7	26.64	7.182	29.07	0
1/30/21 23:45	6.595	125.5	22.47	7.51	29.07	0
1/31/21 0:00	4.389	110.3	18.08	7.294	29.04	0
1/31/21 0:15	5.501	136	19.7	7.927	29.04	0
1/31/21 0:30	8.12	152.8	12.4	8.4	29.04	0
1/31/21 0:45	9.24	155.1	12.91	8.74	29.04	0
1/31/21 1:00	9.39	140.6	11.96	9.01	29.06	0
1/31/21 1:15	9.05	152.5	17.93	9.16	29.06	0
1/31/21 1:30	9.82	142.5	21.25	9.03	29.06	0
1/31/21 1:45	10.61	144.5	11.9	9.3	29.06	0
1/31/21 2:00	8.56	145.2	13.56	9.33	29.06	0
1/31/21 2:15	7.254	198.2	21.39	8.93	29.06	0
1/31/21 2:30	8.77	175.9	20.78	8.49	29.06	0.01
1/31/21 2:45	5.987	189.5	15.65	8.38	29.06	0
1/31/21 3:00	6.582	227.6	15.91	8.01	29.08	0.02
1/31/21 3:15	5.308	209.8	15.2	7.956	29.08	0
1/31/21 3:30	4.418	77.5	41.96	6.953	29.08	0.01
1/31/21 3:45	5.937	77.4	10.98	6.506	29.08	0
1/31/21 4:00	7.737	88.4	8.8	7.18	29.06	0
1/31/21 4:15	8.44	99.7	8.95	7.35	29.06	0
1/31/21 4:30	7.55	86.2	13.32	7.77	29.06	0
1/31/21 4:45	5.092	72.88	19.16	8.09	29.06	0
1/31/21 5:00	6.077	184.3	22.58	7.379	29.06	0
1/31/21 5:15	5.331	95.7	20.3	7.313	29.06	0.01
1/31/21 5:30	7.131	71.96	18.31	7.04	29.06	0.01
1/31/21 5:45	8.4	99	12.89	7.419	29.06	0
1/31/21 6:00	13.07	110.2	11.47	8.25	29.01	0
1/31/21 6:15	12.72	110.7	10.25	8.77	29.01	0
1/31/21 6:30	9.65	117.1	12.5	8.68	29.01	0
1/31/21 6:45	10.06	117.1	19.2	8.56	29.01	0
1/31/21 7:00	14.03	115.9	11.51	9.17	29.01	0
1/31/21 7:15	13.74	117.2	9.89	9.19	29.01	0
1/31/21 7:30	13.56	117.3	8.29	9.18	29.01	0
1/31/21 7:45	12.93	118.9	9.08	9.41	29.01	0
1/31/21 8:00	13.53	114.7	9.59	9.58	29.02	0
1/31/21 8:15	12.98	114.5	10.32	9.63	29.02	0
1/31/21 8:30	11.9	116.3	12.67	9.8	29.02	0
1/31/21 8:45	9.86	136.7	26.53	9.65	29.02	0
1/31/21 9:00	11.86	121.7	11.21	9.94	29.02	0
1/31/21 9:15	11.85	130.9	10.76	10.09	29.02	0
1/31/21 9:30	11.13	135.4	14.14	10	29.02	0
1/31/21 9:45	10.81	130.9	12.83	10.07	29.02	0
1/31/21 10:00	9.59	125.3	19.04	10.12	29.05	0
1/31/21 10:15	9.78	109.3	12.62	10.24	29.05	0
1/31/21 10:30	5.117	140	28	10.18	29.05	0
1/31/21 10:45	6.788	142.5	31.94	10.09	29.05	0
1/31/21 11:00	5.089	231.1	26.44	9.48	29.07	0
1/31/21 11:15	8.15	254.5	11.48	9.27	29.07	0
1/31/21 11:30	8.56	279.7	16.01	8.63	29.07	0
1/31/21 11:45	7.918	289	6.824	8.32	29.07	0
1/31/21 12:00	6.552	288.5	10.99	8.26	29.08	0
1/31/21 12:15	8.08	283.5	10.75	8.14	29.08	0
1/31/21 12:30	8.83	279.2	6.494	7.895	29.08	0
1/31/21 12:45	8.86	282.7	9.55	7.745	29.08	0
1/31/21 13:00	10.18	275.8	9.46	7.462	29.08	0
1/31/21 13:15	9.89	261.8	8.01	7.005	29.08	0
1/31/21 13:30	6.904	273.4	9.44	6.761	29.08	0
1/31/21 13:45	3.502	274.7	15.52	6.741	29.08	0
1/31/21 14:00	2.447	303	29.3	6.774	29.05	0
1/31/21 14:15	1.653	13.75	47.61	6.745	29.05	0
1/31/21 14:30	2.015	329.8	24.09	6.7	29.05	0
1/31/21 14:45	1.304	276.1	27.69	6.727	29.05	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
1/31/21 15:00	3.509	288.4	25.87	6.742	29.07	0
1/31/21 15:15	2.678	312.4	39.18	6.635	29.07	0
1/31/21 15:30	2.81	342.8	26.01	6.583	29.07	0
1/31/21 15:45	5.298	284.5	10.42	6.573	29.07	0
1/31/21 16:00	4.402	272.9	14.98	6.565	29.08	0
1/31/21 16:15	4.538	295.7	11.98	6.442	29.08	0
1/31/21 16:30	5.009	271.4	13.8	6.346	29.08	0
1/31/21 16:45	4.414	268.2	13.61	6.206	29.08	0
1/31/21 17:00	5.084	251	13.92	6.007	29.06	0
1/31/21 17:15	5.903	224.7	13.86	5.841	29.06	0
1/31/21 17:30	5.085	211.2	4.9	5.851	29.06	0
1/31/21 17:45	5.119	223.4	5.603	5.852	29.06	0
1/31/21 18:00	4.704	226	6.134	5.845	29.1	0
1/31/21 18:15	3.176	238.2	14.88	5.784	29.1	0
1/31/21 18:30	2.755	220.7	22.74	5.715	29.1	0
1/31/21 18:45	0.663	120.9	41.91	5.694	29.1	0
1/31/21 19:00	0.971	87.8	37.44	5.677	29.08	0
1/31/21 19:15	1.311	163.9	30.08	5.626	29.08	0
1/31/21 19:30	1.405	218	39.42	5.598	29.08	0
1/31/21 19:45	3.644	233	18.1	5.635	29.08	0
1/31/21 20:00	2.73	239	22.17	5.594	29.09	0
1/31/21 20:15	0.735	101.6	41.41	5.528	29.09	0
1/31/21 20:30	1.805	63.87	9.06	5.502	29.09	0
1/31/21 20:45	1.342	80.8	8.35	5.447	29.09	0
1/31/21 21:00	0.899	188.7	42.69	5.546	29.06	0
1/31/21 21:15	2.483	37.53	25.65	5.464	29.06	0
1/31/21 21:30	2.956	298	50.69	5.414	29.06	0
1/31/21 21:45	6.253	291.3	42.04	5.406	29.06	0.01
1/31/21 22:00	4.883	336.9	11.37	5.344	29.08	0
1/31/21 22:15	3.341	301.5	33.64	5.363	29.08	0
1/31/21 22:30	1.626	357.5	74.42	5.411	29.08	0
1/31/21 22:45	4.71	0.656	16.25	5.382	29.08	0.01
1/31/21 23:00	5.703	16.33	14.93	5.45	29.04	0
1/31/21 23:15	8.11	23.8	11.99	5.448	29.04	0
1/31/21 23:30	7.921	22.76	10.72	5.517	29.04	0
1/31/21 23:45	4.264	14.03	11.83	5.552	29.04	0.01
2/1/21 0:00	3.092	5.829	15.88	5.43	29.06	0.01
2/1/21 0:15	7.064	17.45	12.41	5.398	29.06	0
2/1/21 0:30	6.531	20.77	6.611	5.425	29.06	0
2/1/21 0:45	6.322	31.04	12.91	5.423	29.06	0.01
2/1/21 1:00	5.481	30.37	12.22	5.419	29.02	0
2/1/21 1:15	2.363	34.53	16.83	5.46	29.02	0
2/1/21 1:30	2.693	111.3	23.79	5.973	29.02	0.01
2/1/21 1:45	3.544	127.3	14.11	6.134	29.02	0.02
2/1/21 2:00	4.194	124.1	10.24	6.667	29.02	0.01
2/1/21 2:15	4.932	126.1	10.92	6.659	29.02	0.02
2/1/21 2:30	7.327	108.1	12.71	7.21	29.02	0.02
2/1/21 2:45	7.138	109	12.36	7.213	29.02	0.01
2/1/21 3:00	8.99	107.1	12.26	7.638	29.01	0
2/1/21 3:15	8.62	111.9	11.42	7.915	29.01	0.02
2/1/21 3:30	8.24	109.5	14.05	8.09	29.01	0.01
2/1/21 3:45	7.754	130.9	9.77	8.48	29.01	0.01
2/1/21 4:00	6.19	118.2	12.46	8.2	29	0.02
2/1/21 4:15	7.36	105.9	12.5	8.24	29	0.01
2/1/21 4:30	10.88	106.2	11.5	8.44	29	0.01
2/1/21 4:45	7.23	106	13.32	8.39	29	0.01
2/1/21 5:00	3.11	96.5	21.5	8.16	28.97	0.02
2/1/21 5:15	5.89	140.3	21.72	8.03	28.97	0
2/1/21 5:30	9.92	105.8	13.48	8.45	28.97	0.01
2/1/21 5:45	8.97	112.9	17.2	8.5	28.97	0
2/1/21 6:00	10.11	127.2	12.06	8.73	28.95	0
2/1/21 6:15	9.93	106.7	16.57	8.7	28.95	0.01
2/1/21 6:30	6.235	96.7	15.68	8.16	28.95	0
2/1/21 6:45	7.711	132.5	16.96	8.58	28.95	0
2/1/21 7:00	8.29	117.1	12.29	8.73	28.95	0
2/1/21 7:15	5.959	114.5	17.77	8.48	28.95	0.01
2/1/21 7:30	5.998	103.9	21.57	8.53	28.95	0
2/1/21 7:45	6.48	102.8	15.99	8.59	28.95	0.01
2/1/21 8:00	6.375	104.7	11.96	8.65	28.95	0
2/1/21 8:15	5.12	117.5	17.42	8.59	28.95	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/1/21 8:30	3.781	74.19	34.31	8.7	28.95	0
2/1/21 8:45	1.985	355.6	30.96	8.15	28.95	0
2/1/21 9:00	1.761	88.2	54.8	8.15	28.94	0.01
2/1/21 9:15	2.621	13.23	33.19	8.1	28.94	0.01
2/1/21 9:30	2.105	111.6	96.5	7.796	28.94	0.01
2/1/21 9:45	2.377	136.7	27.36	7.912	28.94	0.01
2/1/21 10:00	3.035	113.9	23.57	7.849	28.93	0.02
2/1/21 10:15	1.241	163.2	46.42	7.937	28.93	0.01
2/1/21 10:30	2.004	94	18.81	8.45	28.93	0.01
2/1/21 10:45	2.331	74.3	12.47	8.17	28.93	0
2/1/21 11:00	2.806	92.7	9.21	8.2	28.93	0
2/1/21 11:15	2.458	83.4	11.13	8.46	28.93	0.01
2/1/21 11:30	2.636	94	14.77	8.54	28.93	0.02
2/1/21 11:45	2.552	56.2	18.79	8.6	28.93	0.01
2/1/21 12:00	1.667	45.23	15.14	8.59	28.91	0
2/1/21 12:15	0.813	35.59	4.058	8.65	28.91	0.01
2/1/21 12:30	1.288	58.88	11.97	8.73	28.91	0.01
2/1/21 12:45	2.346	58.64	12.7	8.73	28.91	0.01
2/1/21 13:00	1.598	40	5.052	8.75	28.9	0
2/1/21 13:15	1.528	75.35	43.86	8.78	28.9	0.01
2/1/21 13:30	2.467	165.8	14.97	8.75	28.9	0.02
2/1/21 13:45	2.405	92.4	50.21	8.53	28.9	0.02
2/1/21 14:00	3.284	61.32	13.48	8.4	28.89	0.01
2/1/21 14:15	3.605	70.61	8.48	8.33	28.89	0.01
2/1/21 14:30	4.932	81	11.43	8.37	28.89	0.01
2/1/21 14:45	3.419	94.4	20.18	8.56	28.89	0
2/1/21 15:00	3.295	118.6	16.66	8.62	28.91	0.02
2/1/21 15:15	4.363	124.9	13.73	8.76	28.91	0.02
2/1/21 15:30	2.732	117.3	32.52	8.62	28.91	0
2/1/21 15:45	5.298	130.6	17.99	8.81	28.91	0.01
2/1/21 16:00	3.78	95.5	10.82	8.33	28.88	0.01
2/1/21 16:15	2.613	114.8	18.69	8.56	28.88	0
2/1/21 16:30	1.471	77.99	23.25	8.65	28.88	0.01
2/1/21 16:45	1.665	35.24	28.05	8.14	28.88	0.01
2/1/21 17:00	3.864	52.85	17.76	8.03	28.87	0.02
2/1/21 17:15	3.968	34.46	12.78	7.886	28.87	0.01
2/1/21 17:30	3.251	53.83	14.94	7.571	28.87	0.01
2/1/21 17:45	2.623	26.58	7.233	7.609	28.87	0.01
2/1/21 18:00	1.521	42.98	10.54	7.492	28.86	0.02
2/1/21 18:15	1.709	24.79	62.23	7.523	28.86	0.02
2/1/21 18:30	3.555	263.4	47.4	7.5	28.86	0.03
2/1/21 18:45	1.912	296.5	66.48	7.446	28.86	0.03
2/1/21 19:00	1.696	8.03	39.36	7.291	28.85	0.02
2/1/21 19:15	3.293	20.11	20.75	7.299	28.85	0.01
2/1/21 19:30	2.958	96.1	32.56	7.244	28.85	0.02
2/1/21 19:45	2.662	80.6	9.67	7.278	28.85	0.01
2/1/21 20:00	3.83	84.6	7.549	7.389	28.83	0
2/1/21 20:15	3.172	94.6	10.68	7.414	28.83	0.01
2/1/21 20:30	3.806	112.4	14.96	7.789	28.83	0.01
2/1/21 20:45	3.886	142.4	14.7	7.927	28.83	0.01
2/1/21 21:00	4.6	144.8	14.07	8.14	28.85	0
2/1/21 21:15	4.957	143.8	16.11	7.719	28.85	0.01
2/1/21 21:30	3.875	107.6	18.87	7.529	28.85	0.01
2/1/21 21:45	3.708	140.5	11.99	7.725	28.85	0
2/1/21 22:00	7.383	141	13.79	7.728	28.87	0.01
2/1/21 22:15	8.28	158.5	7.607	7.945	28.87	0
2/1/21 22:30	8.76	171.8	9.69	7.911	28.87	0.01
2/1/21 22:45	9.65	184.2	7.506	7.721	28.87	0.02
2/1/21 23:00	8.02	176.1	11.98	7.481	28.9	0.02
2/1/21 23:15	11.39	172.7	11.54	7.613	28.9	0.02
2/1/21 23:30	11.01	179.3	10.54	7.444	28.9	0.02
2/1/21 23:45	11.25	193.2	11.8	7.318	28.9	0.01
2/2/21 0:00	19.35	202.7	9.74	7.248	28.91	0.05
2/2/21 0:15	13.97	199.7	9.47	6.92	28.91	0.03
2/2/21 0:30	14.6	204.7	7.273	6.664	28.91	0
2/2/21 0:45	9.98	195.8	8.48	6.448	28.91	0.01
2/2/21 1:00	9.35	196.6	12.13	6.319	28.96	0
2/2/21 1:15	12.34	215.7	7.538	6.114	28.96	0
2/2/21 1:30	12.95	206.2	8.32	5.818	28.96	0.01
2/2/21 1:45	10.39	199.3	7.202	5.679	28.96	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/2/21 2:00	10.17	212.1	12.9	5.638	28.98	0
2/2/21 2:15	13.13	192.7	14.78	5.663	28.98	0
2/2/21 2:30	11.09	186.8	12.12	5.518	28.98	0
2/2/21 2:45	9.94	184.3	9.51	5.37	28.98	0
2/2/21 3:00	7.541	166.3	11.62	5.238	29.02	0
2/2/21 3:15	6.895	158.5	12.75	5.171	29.02	0
2/2/21 3:30	6.245	153.9	10.68	4.957	29.02	0
2/2/21 3:45	4.62	118.1	12.28	4.801	29.02	0
2/2/21 4:00	4.955	118.3	8.44	4.742	29	0
2/2/21 4:15	5.47	122.8	6.676	4.685	29	0
2/2/21 4:30	6.535	130.4	8.33	4.798	29	0
2/2/21 4:45	5.961	129	6.293	4.776	29	0
2/2/21 5:00	5.913	126.9	9.37	4.805	29.01	0.01
2/2/21 5:15	5.482	123.1	9.52	4.796	29.01	0
2/2/21 5:30	6.462	134.5	6.759	4.757	29.01	0
2/2/21 5:45	5.369	124.8	7.17	4.79	29.01	0.01
2/2/21 6:00	4.04	116.5	7.831	4.709	29.01	0
2/2/21 6:15	4.822	128.2	7.659	4.699	29.01	0
2/2/21 6:30	4.408	119.1	8.75	4.816	29.01	0
2/2/21 6:45	4.22	90.6	11.59	4.735	29.01	0
2/2/21 7:00	4.469	94.2	15	4.579	28.98	0
2/2/21 7:15	5.112	111.2	10.13	4.667	28.98	0.01
2/2/21 7:30	2.609	74.91	12.31	4.667	28.98	0
2/2/21 7:45	3.363	101.4	23.27	4.74	28.98	0.01
2/2/21 8:00	3.829	138.4	8.81	4.613	28.98	0.02
2/2/21 8:15	3.993	198.9	65.27	4.696	28.98	0.02
2/2/21 8:30	7.531	229.1	7.768	4.553	28.98	0.01
2/2/21 8:45	9.49	223.6	13.21	4.153	28.98	0.02
2/2/21 9:00	8.25	187.4	14.03	4.052	29.03	0.01
2/2/21 9:15	5.386	168	14.78	4.077	29.03	0
2/2/21 9:30	4.002	130.6	22.03	4.199	29.03	0
2/2/21 9:45	5.749	117.5	8.16	4.184	29.03	0
2/2/21 10:00	6.838	119.5	7.373	4.317	29.03	0.01
2/2/21 10:15	8.09	139.8	8.12	4.435	29.03	0
2/2/21 10:30	9.04	134.1	8.79	4.711	29.03	0
2/2/21 10:45	9.77	141.3	13.87	5.439	29.03	0
2/2/21 11:00	11.93	163.7	12.45	5.483	29.02	0
2/2/21 11:15	8.89	204.7	27.31	5.149	29.02	0.06
2/2/21 11:30	12.66	198.6	17.3	4.963	29.02	0.04
2/2/21 11:45	12.24	184.6	11.53	5.348	29.02	0
2/2/21 12:00	13.22	197.1	14.07	5.332	29.03	0.01
2/2/21 12:15	8.48	188.9	10.47	5.287	29.03	0
2/2/21 12:30	14.06	208.4	8.55	4.849	29.03	0.04
2/2/21 12:45	9.83	198.7	12.35	5.211	29.03	0
2/2/21 13:00	10.1	183.9	12.09	5.697	29.01	0.01
2/2/21 13:15	12.36	181.7	12.27	5.85	29.01	0
2/2/21 13:30	12.47	188.7	14.13	5.385	29.01	0.02
2/2/21 13:45	14.08	179.9	11.72	5.256	29.01	0
2/2/21 14:00	13.37	171.2	11.11	5.461	29	0
2/2/21 14:15	11.19	170.4	9.3	5.484	29	0
2/2/21 14:30	11.99	179.6	13.36	5.414	29	0.01
2/2/21 14:45	12.4	196.2	14.49	5.513	29	0
2/2/21 15:00	10.74	176.8	8.55	5.738	29.02	0
2/2/21 15:15	10.2	173.3	11.56	5.721	29.02	0
2/2/21 15:30	14.2	171.5	10.83	5.633	29.02	0
2/2/21 15:45	14.15	151.8	10.7	5.39	29.02	0
2/2/21 16:00	14.67	140.9	7.99	5.016	29	0
2/2/21 16:15	16.39	172.8	22.19	4.892	29	0.03
2/2/21 16:30	11.13	194	11.09	4.669	29	0.01
2/2/21 16:45	7.467	163.6	14.38	4.499	29	0.01
2/2/21 17:00	8.13	139.3	9.02	4.249	29.01	0
2/2/21 17:15	10.14	143.3	6.347	4.369	29.01	0
2/2/21 17:30	8.62	137.4	7.6	4.254	29.01	0
2/2/21 17:45	6.657	125.9	7.491	4.195	29.01	0
2/2/21 18:00	6.508	124.6	8.23	4.337	29.01	0
2/2/21 18:15	5.828	117.2	9.1	4.467	29.01	0
2/2/21 18:30	6.897	117.6	8.32	4.609	29.01	0
2/2/21 18:45	10.37	133.1	13.25	4.759	29.01	0
2/2/21 19:00	13.15	171.5	12.14	4.283	29.01	0.01
2/2/21 19:15	7.754	153.7	19.94	3.778	29.01	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/2/21 19:30	6.063	128.2	7.12	3.662	29.01	0.01
2/2/21 19:45	7.15	116.2	9.4	3.753	29.01	0
2/2/21 20:00	9.12	105.4	9.75	3.724	28.99	0
2/2/21 20:15	10.75	116.9	9.91	3.772	28.99	0
2/2/21 20:30	10.07	145.1	22.22	3.857	28.99	0
2/2/21 20:45	7.46	144.1	16.07	3.796	28.99	0.01
2/2/21 21:00	5.596	127.7	8.51	3.629	28.99	0.01
2/2/21 21:15	9.24	131.9	9.97	3.6	28.99	0.01
2/2/21 21:30	6.984	106.6	10.23	3.419	28.99	0
2/2/21 21:45	8.08	111	8.73	3.309	28.99	0
2/2/21 22:00	7.993	113	10.96	3.433	28.98	0
2/2/21 22:15	8.28	119.7	9.16	3.699	28.98	0
2/2/21 22:30	7.247	122.5	10.65	3.828	28.98	0
2/2/21 22:45	6.526	111.1	11.4	3.656	28.98	0
2/2/21 23:00	8.4	123.5	10.45	3.861	28.96	0
2/2/21 23:15	6.439	109.6	12.66	4.093	28.96	0
2/2/21 23:30	5.562	173	22.21	3.744	28.96	0
2/2/21 23:45	5.858	161.9	21.3	3.836	28.96	0
2/3/21 0:00	6.317	154.2	14.16	3.998	28.95	0
2/3/21 0:15	3.405	138.5	15.05	4.092	28.95	0
2/3/21 0:30	5.597	166.3	17.19	4.064	28.95	0.01
2/3/21 0:45	3.654	122.6	22.82	3.756	28.95	0
2/3/21 1:00	4.092	65.46	15.29	3.276	28.95	0.01
2/3/21 1:15	5.339	36.93	11.41	3.041	28.95	0
2/3/21 1:30	4.22	27.63	14.13	2.995	28.95	0
2/3/21 1:45	5.799	63.78	18.99	3.852	28.95	0
2/3/21 2:00	7.993	20.17	12.73	3.246	28.95	0.01
2/3/21 2:15	7.452	17.82	10.65	3.122	28.95	0
2/3/21 2:30	4.038	42.34	13.38	3.095	28.95	0
2/3/21 2:45	4.955	46.04	13.21	3.534	28.95	0
2/3/21 3:00	5.677	24.83	12.09	3.213	28.97	0
2/3/21 3:15	7.047	30.65	18.31	3.756	28.97	0
2/3/21 3:30	4.516	6.126	17.42	3.554	28.97	0
2/3/21 3:45	1.46	21.17	16.52	3.58	28.97	0
2/3/21 4:00	4.5	36.16	18.27	3.659	28.99	0
2/3/21 4:15	4.144	41.68	10.55	3.207	28.99	0
2/3/21 4:30	4.112	23.17	7.708	3.077	28.99	0
2/3/21 4:45	4.665	9.65	8.77	3.12	28.99	0
2/3/21 5:00	4.33	6.341	16.53	3.275	29.03	0
2/3/21 5:15	5.311	6.253	7.953	3.077	29.03	0
2/3/21 5:30	5.282	19.09	7.516	2.94	29.03	0
2/3/21 5:45	6.029	16.49	8.67	2.965	29.03	0
2/3/21 6:00	1.365	356.9	17.64	2.974	29.09	0.01
2/3/21 6:15	0.916	298.4	14.23	3.084	29.09	0
2/3/21 6:30	3.032	26.26	48.74	3.497	29.09	0
2/3/21 6:45	4.365	29.38	25.81	3.189	29.09	0.01
2/3/21 7:00	6.094	14.75	11.83	2.988	29.15	0
2/3/21 7:15	3.117	351	16.29	2.981	29.15	0
2/3/21 7:30	2.904	7.11	9.75	2.956	29.15	0
2/3/21 7:45	3.393	3.297	11.05	2.925	29.15	0
2/3/21 8:00	3.212	29.37	10.4	2.865	29.18	0
2/3/21 8:15	3.41	37.11	12.84	2.83	29.18	0
2/3/21 8:30	1.2	357.6	23.7	2.868	29.18	0
2/3/21 8:45	3.092	16.57	8.76	2.934	29.18	0
2/3/21 9:00	3.56	320.7	20.38	3.056	29.23	0
2/3/21 9:15	1.791	344.6	38.32	3.192	29.23	0
2/3/21 9:30	3.674	19.54	18.14	3.27	29.23	0
2/3/21 9:45	6.743	10.36	10.71	3.507	29.23	0
2/3/21 10:00	6.74	13.55	11.8	3.778	29.27	0
2/3/21 10:15	4.979	20.47	14.13	3.623	29.27	0
2/3/21 10:30	7.093	17.45	10.24	4.084	29.27	0
2/3/21 10:45	6.746	357.9	15.28	4.41	29.27	0
2/3/21 11:00	5.306	11.26	14.63	4.453	29.3	0
2/3/21 11:15	4.661	9.66	13.61	4.429	29.3	0
2/3/21 11:30	5.242	13.08	14.84	4.517	29.3	0
2/3/21 11:45	4.663	4.037	20.34	4.66	29.3	0
2/3/21 12:00	4.783	20.1	12.06	4.571	29.31	0
2/3/21 12:15	5.314	11.79	11.78	4.759	29.31	0
2/3/21 12:30	4.415	31.18	15.72	4.995	29.31	0
2/3/21 12:45	2.638	356.2	17.17	4.979	29.31	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/3/21 13:00	3.137	45.69	25.28	5.175	29.36	0
2/3/21 13:15	4.061	47.25	17.46	5.323	29.36	0
2/3/21 13:30	3.284	56.32	15.03	5.812	29.36	0
2/3/21 13:45	3.079	50.54	11.99	5.911	29.36	0
2/3/21 14:00	2.604	55.26	9.58	6.029	29.38	0
2/3/21 14:15	1.335	348.5	29.08	6.264	29.38	0
2/3/21 14:30	1.245	4.377	46.85	6.264	29.38	0
2/3/21 14:45	1.699	148.6	44.76	6.67	29.38	0
2/3/21 15:00	3.719	197.7	24.32	6.848	29.41	0
2/3/21 15:15	4.81	202.5	15.46	6.894	29.41	0
2/3/21 15:30	5.676	213.7	18.09	6.582	29.41	0
2/3/21 15:45	4.353	188	14.86	6.531	29.41	0
2/3/21 16:00	4.575	185.7	9.84	6.509	29.44	0
2/3/21 16:15	4.933	187.2	14.06	6.632	29.44	0
2/3/21 16:30	5.319	216.2	10.17	6.6	29.44	0
2/3/21 16:45	4.597	228	8.23	6.39	29.44	0
2/3/21 17:00	3.442	211.1	8.9	6.11	29.44	0
2/3/21 17:15	2.941	168.6	12.73	5.722	29.44	0
2/3/21 17:30	3.041	170.6	6.824	5.444	29.44	0
2/3/21 17:45	4.17	155.3	11.82	4.974	29.44	0
2/3/21 18:00	2.516	154.3	16.29	4.851	29.47	0
2/3/21 18:15	0.555	91.7	17.6	5.018	29.47	0
2/3/21 18:30	0.723	141.3	15.76	5.116	29.47	0
2/3/21 18:45	0.95	90	23.69	5.238	29.47	0
2/3/21 19:00	1.419	92.1	12.84	5.131	29.48	0
2/3/21 19:15	1.285	116.4	17.66	5.022	29.48	0
2/3/21 19:30	2.64	156.6	9.73	4.969	29.48	0
2/3/21 19:45	3.372	169.8	8.72	4.856	29.48	0
2/3/21 20:00	3.704	168.9	11.52	4.805	29.47	0
2/3/21 20:15	2.906	165.7	13.58	4.696	29.47	0
2/3/21 20:30	3.249	166.1	10.53	4.371	29.47	0
2/3/21 20:45	3.336	160.5	9.94	4.153	29.47	0
2/3/21 21:00	2.346	145	15	4.097	29.52	0
2/3/21 21:15	1.585	88.3	9.83	3.91	29.52	0
2/3/21 21:30	2.33	138.4	12.59	4.009	29.52	0
2/3/21 21:45	1.916	157.9	10.04	3.997	29.52	0
2/3/21 22:00	3.577	160.7	6.171	4.014	29.53	0.01
2/3/21 22:15	3.569	158.7	7.867	3.967	29.53	0
2/3/21 22:30	2.891	145.8	10.17	3.918	29.53	0
2/3/21 22:45	3.276	145.9	10.54	3.941	29.53	0
2/3/21 23:00	3.445	146.7	10.35	3.951	29.54	0
2/3/21 23:15	3.569	153.4	10.81	3.906	29.54	0
2/3/21 23:30	3.618	142.9	11.07	3.96	29.54	0
2/3/21 23:45	4.794	139.3	9.37	3.994	29.54	0
2/4/21 0:00	6.133	152.6	6.478	3.96	29.54	0
2/4/21 0:15	5.787	152.8	7.767	3.983	29.54	0
2/4/21 0:30	5.552	144	7.037	3.977	29.54	0
2/4/21 0:45	5.81	145.3	6.95	3.983	29.54	0
2/4/21 1:00	5.833	148.3	6.954	3.986	29.53	0
2/4/21 1:15	4.899	145.6	8.44	3.982	29.53	0.01
2/4/21 1:30	5.109	131.7	7.294	3.998	29.53	0
2/4/21 1:45	5.482	134.6	7.803	3.995	29.53	0
2/4/21 2:00	5.585	129.3	6.999	4.013	29.54	0
2/4/21 2:15	5.578	128.1	8.15	3.989	29.54	0
2/4/21 2:30	5.528	125.9	8.55	4.029	29.54	0
2/4/21 2:45	5.359	120.8	8.18	4.014	29.54	0
2/4/21 3:00	5.777	122.5	8.26	4.071	29.55	0
2/4/21 3:15	6.55	123.9	7.4	4.205	29.55	0
2/4/21 3:30	6.446	133.3	11.08	4.277	29.55	0
2/4/21 3:45	5.196	141.8	11.28	4.259	29.55	0
2/4/21 4:00	6.007	138.3	9.01	4.324	29.55	0
2/4/21 4:15	6.342	142.5	7.717	4.405	29.55	0
2/4/21 4:30	5.621	138.7	8.6	4.451	29.55	0
2/4/21 4:45	5.03	132.8	10.07	4.444	29.55	0
2/4/21 5:00	3.324	137.3	11.53	4.339	29.56	0
2/4/21 5:15	3.344	135.4	9.59	4.312	29.56	0
2/4/21 5:30	4.586	142.7	9.94	4.366	29.56	0
2/4/21 5:45	3.807	152.9	14.06	4.433	29.56	0
2/4/21 6:00	3.973	161.8	11.07	4.403	29.54	0
2/4/21 6:15	4.889	169.8	10.28	4.528	29.54	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/4/21 6:30	2.566	145.1	26.34	4.407	29.54	0
2/4/21 6:45	1.809	111.4	20.65	4.207	29.54	0
2/4/21 7:00	3.193	131.4	15.61	4.188	29.53	0
2/4/21 7:15	2.675	131.6	12.43	4.179	29.53	0
2/4/21 7:30	2.424	108	15.86	4.082	29.53	0
2/4/21 7:45	3.389	136	14.66	4.084	29.53	0.01
2/4/21 8:00	4.928	145.9	8.49	4.11	29.55	0
2/4/21 8:15	5.606	155.6	9.73	4.181	29.55	0
2/4/21 8:30	8.62	171.4	7.181	4.334	29.55	0.01
2/4/21 8:45	9.3	175.1	8.12	4.357	29.55	0.01
2/4/21 9:00	8.67	174.6	8.33	4.43	29.56	0.01
2/4/21 9:15	7.7	179.2	7.813	4.47	29.56	0.01
2/4/21 9:30	9.56	183.9	9.51	4.565	29.56	0
2/4/21 9:45	9.13	181.6	9.27	4.634	29.56	0
2/4/21 10:00	8.23	171.6	12.58	4.624	29.57	0.01
2/4/21 10:15	7.436	186.8	9.65	4.6	29.57	0
2/4/21 10:30	8.85	171.3	9.15	4.594	29.57	0
2/4/21 10:45	9.51	173.5	11.07	4.649	29.57	0.01
2/4/21 11:00	8.6	181	11	4.702	29.56	0
2/4/21 11:15	7.283	172.9	8.9	4.699	29.56	0.01
2/4/21 11:30	8.52	166.7	7.69	4.746	29.56	0.01
2/4/21 11:45	7.602	155.3	11.65	4.829	29.56	0
2/4/21 12:00	7.7	150.3	11.23	4.763	29.57	0
2/4/21 12:15	6.967	151.6	12.53	4.776	29.57	0
2/4/21 12:30	7.864	159.1	16.54	4.887	29.57	0.01
2/4/21 12:45	6.954	140.2	7.905	4.877	29.57	0
2/4/21 13:00	7.47	138.4	7.867	4.844	29.56	0
2/4/21 13:15	7.166	139.4	8.83	4.838	29.56	0.01
2/4/21 13:30	6.869	136	8.16	4.807	29.56	0
2/4/21 13:45	6.49	132.8	9.46	4.855	29.56	0
2/4/21 14:00	6.757	135.4	8.14	4.923	29.52	0
2/4/21 14:15	7.398	136	7.809	4.999	29.52	0.01
2/4/21 14:30	8.95	143.6	7.015	5.103	29.52	0.01
2/4/21 14:45	10.21	147	7.905	5.188	29.52	0.01
2/4/21 15:00	10.76	152.1	7.568	5.218	29.51	0.01
2/4/21 15:15	9.48	144	8.83	5.168	29.51	0
2/4/21 15:30	9.86	142.4	9.11	5.147	29.51	0.01
2/4/21 15:45	10.88	138.3	8.02	5.141	29.51	0
2/4/21 16:00	11.1	141.8	8.5	5.165	29.48	0.01
2/4/21 16:15	10.03	146.5	8.34	5.202	29.48	0
2/4/21 16:30	9.46	139.9	9.03	5.221	29.48	0.01
2/4/21 16:45	10.53	144	7.32	5.274	29.48	0
2/4/21 17:00	10.58	145.8	8.34	5.389	29.45	0
2/4/21 17:15	9.85	149	9.89	5.58	29.45	0
2/4/21 17:30	10.88	161.5	8.92	5.912	29.45	0
2/4/21 17:45	12.84	163.6	9.11	6.085	29.45	0
2/4/21 18:00	14.15	164.3	8	6.202	29.45	0
2/4/21 18:15	11.67	167.4	9.82	6.141	29.45	0.01
2/4/21 18:30	11.49	159.6	10.02	6.165	29.45	0
2/4/21 18:45	12.86	165	8.88	6.25	29.45	0
2/4/21 19:00	13.13	163.8	8.77	6.318	29.41	0
2/4/21 19:15	13.01	159.3	9.39	6.43	29.41	0
2/4/21 19:30	12.7	158.9	8.94	6.524	29.41	0
2/4/21 19:45	10.92	156.4	10.62	6.551	29.41	0
2/4/21 20:00	12.72	163	10.82	6.754	29.41	0
2/4/21 20:15	13.12	176.4	10.02	6.916	29.41	0
2/4/21 20:30	9.58	178.7	17.11	6.989	29.41	0
2/4/21 20:45	10.77	172.7	14.65	7.019	29.41	0
2/4/21 21:00	12.56	194.5	13.24	7.082	29.37	0.01
2/4/21 21:15	13.32	188.3	10.19	7.05	29.37	0
2/4/21 21:30	15.94	186.7	8.76	7.029	29.37	0
2/4/21 21:45	15.56	184.3	9.36	6.933	29.37	0.01
2/4/21 22:00	17.36	183.9	8.83	6.85	29.36	0
2/4/21 22:15	16.73	189.5	9.14	6.742	29.36	0.01
2/4/21 22:30	19.55	185.5	10.91	6.674	29.36	0.02
2/4/21 22:45	19.81	182.9	11.39	6.6	29.36	0.01
2/4/21 23:00	21.34	183.5	11.43	6.564	29.33	0
2/4/21 23:15	18.96	187.6	9.27	6.579	29.33	0.01
2/4/21 23:30	16.23	184.6	10.73	6.603	29.33	0
2/4/21 23:45	16.89	187.7	10.11	6.663	29.33	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/5/21 0:00	16.25	192	10.55	6.659	29.29	0
2/5/21 0:15	18.52	199.4	12.69	6.758	29.29	0
2/5/21 0:30	19.23	204.2	9.42	6.592	29.29	0
2/5/21 0:45	15.96	197.3	13.14	6.447	29.29	0
2/5/21 1:00	13.95	196.1	11.62	6.493	29.32	0
2/5/21 1:15	14.41	200	11.75	6.58	29.32	0
2/5/21 1:30	16.87	205.8	16.06	6.625	29.32	0
2/5/21 1:45	16.68	204.6	11.18	6.645	29.32	0
2/5/21 2:00	15.04	202.1	11.72	6.592	29.26	0
2/5/21 2:15	18.07	198.8	9.62	6.535	29.26	0
2/5/21 2:30	21.54	206.3	12.96	6.636	29.26	0
2/5/21 2:45	19.37	211.9	9.66	6.588	29.26	0
2/5/21 3:00	20.47	209.6	10.35	6.504	29.25	0
2/5/21 3:15	18.92	210.4	11.33	6.465	29.25	0
2/5/21 3:30	18.62	210	9.99	6.44	29.25	0
2/5/21 3:45	20.63	211.6	8.83	6.387	29.25	0
2/5/21 4:00	19.92	210.5	8.77	6.356	29.22	0
2/5/21 4:15	18.18	208.5	9.57	6.271	29.22	0
2/5/21 4:30	14.52	209.6	12.73	6.214	29.22	0
2/5/21 4:45	13.97	202	11.73	6.271	29.22	0
2/5/21 5:00	12.19	207.3	11.34	6.305	29.25	0.02
2/5/21 5:15	10.45	207.2	11.71	6.3	29.25	0.02
2/5/21 5:30	7.78	217.7	12.24	6.332	29.25	0
2/5/21 5:45	6.232	242	27.61	6.361	29.25	0.02
2/5/21 6:00	4.231	256.1	54.59	6.352	29.27	0.01
2/5/21 6:15	5.105	110.7	83.6	6.218	29.27	0.02
2/5/21 6:30	5.739	262.6	32.41	6.591	29.27	0.02
2/5/21 6:45	2.953	284.5	19.67	6.591	29.27	0.07
2/5/21 7:00	1.925	13.74	50.16	6.493	29.3	0.03
2/5/21 7:15	1.763	42.42	12.89	6.33	29.3	0.04
2/5/21 7:30	1.119	348.1	27.01	6.417	29.3	0.04
2/5/21 7:45	0.793	66.19	36.49	6.486	29.3	0.02
2/5/21 8:00	0.984	154.2	17.64	6.54	29.35	0.01
2/5/21 8:15	1.573	135.2	26.17	6.529	29.35	0
2/5/21 8:30	3.497	28.49	6.754	6.461	29.35	0.07
2/5/21 8:45	5.725	352.3	29.42	6.724	29.35	0.13
2/5/21 9:00	3.426	13	12.3	6.707	29.37	0.02
2/5/21 9:15	3.987	31.87	10.67	6.717	29.37	0
2/5/21 9:30	3.672	19.72	7.803	6.739	29.37	0
2/5/21 9:45	2.376	32.93	8.59	6.804	29.37	0
2/5/21 10:00	1.236	346.7	19.28	6.963	29.4	0
2/5/21 10:15	3.805	199.5	13.05	7.336	29.4	0.02
2/5/21 10:30	2.225	252.8	24.65	7.469	29.4	0
2/5/21 10:45	1.035	45.97	54.68	7.502	29.4	0.01
2/5/21 11:00	2.077	112	8.56	7.389	29.42	0
2/5/21 11:15	3.264	217	25.72	7.203	29.42	0
2/5/21 11:30	3.351	186.5	8.63	7.346	29.42	0
2/5/21 11:45	1.323	185.9	30.98	7.69	29.42	0
2/5/21 12:00	0.959	157.1	76.6	7.834	29.43	0
2/5/21 12:15	3.259	226	21.54	7.596	29.43	0
2/5/21 12:30	4.585	250.9	19.86	7.294	29.43	0
2/5/21 12:45	4.024	273	6.104	7.204	29.43	0.01
2/5/21 13:00	3.665	282.3	7.128	7.343	29.43	0.01
2/5/21 13:15	2.037	335.2	26.82	7.715	29.43	0
2/5/21 13:30	2.245	48.35	15.42	7.7	29.43	0
2/5/21 13:45	3.24	61.53	11.14	7.786	29.43	0
2/5/21 14:00	3.532	48.43	7.929	7.783	29.42	0
2/5/21 14:15	1.87	42.76	6.969	7.791	29.42	0
2/5/21 14:30	1.27	62.12	13.03	7.855	29.42	0
2/5/21 14:45	2.262	90.7	16.29	7.837	29.42	0
2/5/21 15:00	3.542	181.8	40.99	7.79	29.42	0
2/5/21 15:15	4.403	185.4	7.882	7.69	29.42	0
2/5/21 15:30	3.04	189	8.29	7.747	29.42	0.01
2/5/21 15:45	2.96	215.7	19.18	7.86	29.42	0
2/5/21 16:00	2.971	257.4	13.43	7.937	29.44	0
2/5/21 16:15	2.406	236.5	17.35	7.906	29.44	0
2/5/21 16:30	1.224	219.3	66.32	7.696	29.44	0
2/5/21 16:45	0.819	217.4	55.64	7.711	29.44	0
2/5/21 17:00	2.436	187.8	23.29	7.638	29.46	0
2/5/21 17:15	3.348	190.7	7.755	7.528	29.46	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/5/21 17:30	5.452	181	6.647	7.458	29.46	0
2/5/21 17:45	6.472	180.5	7.613	7.285	29.46	0
2/5/21 18:00	7.388	174	6.447	6.962	29.44	0
2/5/21 18:15	8.8	182.8	12.24	6.773	29.44	0
2/5/21 18:30	7.011	200.5	7.932	6.766	29.44	0
2/5/21 18:45	4.273	178.8	14.3	6.73	29.44	0
2/5/21 19:00	4.341	180.7	12.82	6.764	29.42	0
2/5/21 19:15	2.816	154.2	13.69	6.609	29.42	0
2/5/21 19:30	4.254	168	21	6.576	29.42	0
2/5/21 19:45	6.438	165.3	11.86	6.635	29.42	0
2/5/21 20:00	11.11	198.5	8.96	6.644	29.44	0
2/5/21 20:15	8.09	194.7	7.716	6.546	29.44	0
2/5/21 20:30	11.87	189.9	9.35	6.297	29.44	0
2/5/21 20:45	9.64	189.4	8.6	5.983	29.44	0
2/5/21 21:00	8.81	187	8.23	5.869	29.42	0
2/5/21 21:15	9.3	189.9	7.535	5.637	29.42	0.01
2/5/21 21:30	9.06	181.7	7.03	5.509	29.42	0
2/5/21 21:45	8.72	181.3	6.862	5.38	29.42	0
2/5/21 22:00	9.75	183.2	8.07	5.294	29.44	0
2/5/21 22:15	8.79	177.4	8.79	5.256	29.44	0.01
2/5/21 22:30	8.59	166.8	9.47	5.228	29.44	0
2/5/21 22:45	9.45	164.8	11.81	5.191	29.44	0
2/5/21 23:00	9.04	148.5	7.553	5.044	29.42	0
2/5/21 23:15	9.27	153.5	8.61	4.983	29.42	0
2/5/21 23:30	9.29	148.9	7.027	4.925	29.42	0
2/5/21 23:45	8.42	145.2	8.54	4.894	29.42	0
2/6/21 0:00	7.948	144.2	7.073	4.855	29.43	0
2/6/21 0:15	8.92	145.9	7.797	4.855	29.43	0
2/6/21 0:30	8.25	145.9	8.2	4.824	29.43	0
2/6/21 0:45	8.19	149.3	7.913	4.897	29.43	0
2/6/21 1:00	7.905	147.2	10.42	4.971	29.4	0.01
2/6/21 1:15	8.17	160.6	9.07	5.092	29.4	0
2/6/21 1:30	9.86	173.5	8.8	5.353	29.4	0
2/6/21 1:45	10.34	171.5	8.7	5.383	29.4	0
2/6/21 2:00	10.35	163.6	9.97	5.366	29.37	0
2/6/21 2:15	9.8	167	8.56	5.365	29.37	0
2/6/21 2:30	12.18	169	8.87	5.472	29.37	0
2/6/21 2:45	11.83	171.8	11.24	5.5	29.37	0
2/6/21 3:00	13.38	181.4	10.25	5.57	29.37	0
2/6/21 3:15	13.42	186.5	10.45	5.588	29.37	0
2/6/21 3:30	13.15	182.1	9.11	5.594	29.37	0
2/6/21 3:45	11.98	180.5	9.31	5.519	29.37	0
2/6/21 4:00	12.9	170.6	9.77	5.526	29.34	0
2/6/21 4:15	13.92	174.7	8.11	5.474	29.34	0
2/6/21 4:30	13.27	175.7	9.58	5.468	29.34	0
2/6/21 4:45	13.32	172.9	8.87	5.452	29.34	0
2/6/21 5:00	14.52	178.4	9.35	5.469	29.32	0
2/6/21 5:15	14.89	183.1	9.89	5.512	29.32	0
2/6/21 5:30	14	177.7	7.111	5.534	29.32	0
2/6/21 5:45	11.56	182.9	8.68	5.465	29.32	0
2/6/21 6:00	13.77	184.5	10.1	5.52	29.3	0
2/6/21 6:15	15.85	182.6	9.27	5.436	29.3	0
2/6/21 6:30	18.59	185.3	10.69	5.357	29.3	0
2/6/21 6:45	15.48	191.1	10.13	5.243	29.3	0
2/6/21 7:00	16.26	186.4	10.97	5.239	29.24	0
2/6/21 7:15	17.88	180.4	9.69	5.125	29.24	0
2/6/21 7:30	18.61	184.3	11.2	5.198	29.24	0
2/6/21 7:45	19.66	187.8	10.46	5.287	29.24	0
2/6/21 8:00	16.6	187.6	9.26	5.24	29.23	0
2/6/21 8:15	18.47	186.9	11.39	5.287	29.23	0
2/6/21 8:30	18.03	189	10.49	5.309	29.23	0
2/6/21 8:45	15.04	188	14.66	5.317	29.23	0
2/6/21 9:00	14.23	187.5	15.13	5.434	29.21	0
2/6/21 9:15	15.27	191.5	14.36	5.51	29.21	0
2/6/21 9:30	17.08	191.2	11.81	5.517	29.21	0
2/6/21 9:45	17.12	186.9	11.51	5.47	29.21	0
2/6/21 10:00	16.94	175.9	11.19	5.361	29.18	0
2/6/21 10:15	14.17	168	10.51	5.288	29.18	0
2/6/21 10:30	14.12	170.3	13.12	5.235	29.18	0
2/6/21 10:45	15.5	174.6	17.37	5.396	29.18	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/6/21 11:00	14.44	178.6	11.7	5.603	29.17	0
2/6/21 11:15	17.67	189.7	12.71	5.791	29.17	0
2/6/21 11:30	16.7	183.7	11.88	6.123	29.17	0
2/6/21 11:45	17.69	192.8	11.6	6.391	29.17	0
2/6/21 12:00	20.7	186.9	12.61	6.509	29.1	0
2/6/21 12:15	20.74	188.7	11.95	6.561	29.1	0
2/6/21 12:30	18.45	193.3	11.76	6.73	29.1	0
2/6/21 12:45	15.71	186.6	12.33	6.789	29.1	0
2/6/21 13:00	16.02	189.8	13.24	6.947	29.11	0
2/6/21 13:15	14.36	203.6	11.97	7.034	29.11	0
2/6/21 13:30	15.87	205.4	13.53	7.198	29.11	0
2/6/21 13:45	14.23	211	13.77	7.438	29.11	0
2/6/21 14:00	20.49	215.8	9.49	7.746	29.12	0
2/6/21 14:15	17.57	221.1	10.17	7.68	29.12	0
2/6/21 14:30	19.15	220.9	10.38	7.922	29.12	0
2/6/21 14:45	18.53	224.6	12.58	8.05	29.12	0
2/6/21 15:00	18.51	229.1	10.51	8.06	29.11	0
2/6/21 15:15	17.73	226.6	8.59	8.08	29.11	0
2/6/21 15:30	16.9	231.6	10.28	8.14	29.11	0
2/6/21 15:45	17.43	234.1	9.95	8.16	29.11	0
2/6/21 16:00	14.26	226.5	10.47	8.05	29.12	0
2/6/21 16:15	16.69	227.6	10.91	7.896	29.12	0
2/6/21 16:30	16.5	227	10.92	7.8	29.12	0
2/6/21 16:45	14.36	230.9	10.34	7.689	29.12	0
2/6/21 17:00	18.36	228.1	9.76	7.625	29.14	0
2/6/21 17:15	15.71	223.9	9.5	7.531	29.14	0
2/6/21 17:30	14.88	225.4	9.66	7.369	29.14	0
2/6/21 17:45	17.63	218.9	9.86	7.29	29.14	0
2/6/21 18:00	14.03	224.7	9.09	7.201	29.17	0
2/6/21 18:15	14.28	217.9	9.29	7.113	29.17	0
2/6/21 18:30	15.5	218.5	8.04	7.009	29.17	0
2/6/21 18:45	15.64	212.7	8.48	6.913	29.17	0
2/6/21 19:00	15.76	218.1	9.2	6.776	29.17	0
2/6/21 19:15	14.65	218.2	8.59	6.68	29.17	0
2/6/21 19:30	13.39	215.5	9.2	6.577	29.17	0
2/6/21 19:45	14.33	212.2	9.14	6.5	29.17	0
2/6/21 20:00	13.5	211.4	9.14	6.435	29.15	0
2/6/21 20:15	13.02	211.5	8.4	6.365	29.15	0
2/6/21 20:30	13.63	210.4	9.69	6.26	29.15	0
2/6/21 20:45	15.71	211.2	8.41	6.1	29.15	0
2/6/21 21:00	14.16	215.3	9.47	5.974	29.19	0
2/6/21 21:15	14.01	214.4	10.33	5.94	29.19	0
2/6/21 21:30	15.32	214.6	9.92	5.871	29.19	0
2/6/21 21:45	14.43	210.9	9.66	5.831	29.19	0
2/6/21 22:00	13.09	195.4	8.6	5.688	29.18	0
2/6/21 22:15	12.55	197.9	7.564	5.556	29.18	0
2/6/21 22:30	13.77	198.9	9.09	5.506	29.18	0
2/6/21 22:45	12.4	196.7	8.52	5.466	29.18	0
2/6/21 23:00	12.81	192.7	10.79	5.433	29.2	0
2/6/21 23:15	13.25	195.1	10.33	5.414	29.2	0
2/6/21 23:30	11.44	196.9	9.62	5.371	29.2	0
2/6/21 23:45	13.3	200.2	9.02	5.346	29.2	0
2/7/21 0:00	15.56	201.1	8.87	5.262	29.18	0
2/7/21 0:15	15.7	198.6	9.1	5.197	29.18	0
2/7/21 0:30	14.52	195.4	9.64	5.135	29.18	0
2/7/21 0:45	16.18	193.8	9.09	5.064	29.18	0
2/7/21 1:00	14.65	192.9	8.92	5.026	29.2	0
2/7/21 1:15	12.83	191.2	10.04	4.993	29.2	0
2/7/21 1:30	14.1	190.6	8.92	4.976	29.2	0
2/7/21 1:45	13.21	190	8.34	4.949	29.2	0
2/7/21 2:00	12.93	191.6	9.76	4.935	29.21	0
2/7/21 2:15	13.39	189.1	12.45	4.86	29.21	0
2/7/21 2:30	13.62	194	8.72	4.827	29.21	0
2/7/21 2:45	14.86	191.6	7.675	4.801	29.21	0
2/7/21 3:00	12.48	186.7	10.8	4.718	29.2	0
2/7/21 3:15	13.33	185.2	9.52	4.637	29.2	0
2/7/21 3:30	13.79	185.5	9.34	4.549	29.2	0
2/7/21 3:45	12.5	191.5	8.8	4.416	29.2	0
2/7/21 4:00	13.18	181.5	9.06	4.325	29.22	0
2/7/21 4:15	12.21	186.6	10.86	4.182	29.22	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/7/21 4:30	11.92	180.7	8.59	4.067	29.22	0
2/7/21 4:45	11.01	182.1	9.35	4.018	29.22	0
2/7/21 5:00	11.66	182.8	9.44	3.953	29.22	0
2/7/21 5:15	11.83	180.7	10.9	3.944	29.22	0
2/7/21 5:30	11.8	185.6	9.04	3.929	29.22	0
2/7/21 5:45	9.81	184.5	9.07	3.89	29.22	0
2/7/21 6:00	10.42	182.8	10.58	3.853	29.22	0
2/7/21 6:15	9.44	182.6	9.61	3.836	29.22	0
2/7/21 6:30	9.44	179.5	10.14	3.798	29.22	0
2/7/21 6:45	10.88	184.1	8.89	3.768	29.22	0
2/7/21 7:00	8.69	197	10.43	3.724	29.21	0
2/7/21 7:15	8.38	186.3	10.81	3.647	29.21	0
2/7/21 7:30	11.37	190	10.1	3.571	29.21	0
2/7/21 7:45	12.37	194.3	9.42	3.529	29.21	0
2/7/21 8:00	11.07	193.8	11.87	3.499	29.2	0
2/7/21 8:15	10.43	192.9	9.68	3.484	29.2	0
2/7/21 8:30	10.48	188.4	10.97	3.49	29.2	0
2/7/21 8:45	10.53	182.5	11.21	3.558	29.2	0
2/7/21 9:00	9.47	185	10.82	3.653	29.22	0
2/7/21 9:15	9.47	184.9	12.1	3.707	29.22	0
2/7/21 9:30	10.71	179.1	11.78	3.752	29.22	0
2/7/21 9:45	9.8	184.2	13.19	3.806	29.22	0
2/7/21 10:00	10.81	188.7	13.59	3.862	29.22	0
2/7/21 10:15	10.49	190	11.66	3.958	29.22	0
2/7/21 10:30	8.61	195.8	11.99	4.126	29.22	0
2/7/21 10:45	9.8	187.7	13.88	4.329	29.22	0
2/7/21 11:00	8.61	192.6	12.84	4.583	29.23	0
2/7/21 11:15	8.11	190.8	12.41	4.912	29.23	0
2/7/21 11:30	10.36	198.6	12.07	5.156	29.23	0
2/7/21 11:45	9.3	202.3	12.77	5.275	29.23	0
2/7/21 12:00	10.8	216.6	13.32	5.533	29.18	0
2/7/21 12:15	11.54	202.7	10.09	5.645	29.18	0
2/7/21 12:30	13.72	209.5	8.45	5.802	29.18	0
2/7/21 12:45	16.96	204.3	8.63	5.792	29.18	0
2/7/21 13:00	14.6	214.1	9.05	5.797	29.19	0
2/7/21 13:15	13.5	216.8	7.19	5.81	29.19	0
2/7/21 13:30	12.66	222.4	9.84	6.023	29.19	0
2/7/21 13:45	15.53	216	10.26	6.166	29.19	0
2/7/21 14:00	15.51	217.5	9.96	6.321	29.14	0
2/7/21 14:15	14.71	229.6	14.27	6.253	29.14	0
2/7/21 14:30	15.85	223.6	10.43	6.091	29.14	0
2/7/21 14:45	14.24	215.8	8.74	6.061	29.14	0
2/7/21 15:00	14.88	209	9.94	6.093	29.15	0
2/7/21 15:15	14.83	208.1	9.36	5.921	29.15	0
2/7/21 15:30	16.01	209.5	7.312	5.857	29.15	0
2/7/21 15:45	18.01	203.8	8.44	5.737	29.15	0
2/7/21 16:00	11.9	198.2	11.47	5.227	29.13	0
2/7/21 16:15	10.16	197.3	8.68	5.131	29.13	0
2/7/21 16:30	10.38	213.5	11.97	5.291	29.13	0
2/7/21 16:45	14.03	211	9.36	5.336	29.13	0
2/7/21 17:00	14.55	207.2	8.31	5.276	29.13	0
2/7/21 17:15	16.73	223.6	8.31	5.138	29.13	0
2/7/21 17:30	16.25	223.3	7.828	4.994	29.13	0
2/7/21 17:45	13.49	219.6	8.44	4.894	29.13	0
2/7/21 18:00	16	215.6	7.747	4.759	29.12	0
2/7/21 18:15	12.51	215.3	8.01	4.662	29.12	0
2/7/21 18:30	15.13	205	9.07	4.546	29.12	0
2/7/21 18:45	12.67	204	10.4	4.403	29.12	0
2/7/21 19:00	12.4	202.2	9.6	4.219	29.14	0
2/7/21 19:15	13.88	208.5	10.92	4.067	29.14	0
2/7/21 19:30	11.05	213.2	9.85	3.976	29.14	0
2/7/21 19:45	13.41	211.5	9.21	3.836	29.14	0
2/7/21 20:00	14.26	209.8	8.77	3.643	29.14	0
2/7/21 20:15	12.48	216.5	9.75	3.514	29.14	0
2/7/21 20:30	9.53	209.9	9.02	3.388	29.14	0
2/7/21 20:45	10.42	212.1	8.37	3.353	29.14	0
2/7/21 21:00	11.03	210	7.982	3.195	29.15	0
2/7/21 21:15	7.721	212.9	14.64	3.064	29.15	0
2/7/21 21:30	3.786	251.4	50.79	2.889	29.15	0.01
2/7/21 21:45	1.374	327.1	54.36	2.573	29.15	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/7/21 22:00	3.864	344.3	12.87	2.004	29.17	0.01
2/7/21 22:15	5.532	330.1	15.21	1.176	29.17	0.02
2/7/21 22:30	3.141	247	54.33	1.103	29.17	0.02
2/7/21 22:45	1.548	54.87	36.27	1.095	29.17	0.01
2/7/21 23:00	1.949	42.8	22.59	0.965	29.17	0
2/7/21 23:15	2.131	108.4	20.19	1.045	29.17	0
2/7/21 23:30	2.3	139.5	38.88	1.437	29.17	0
2/7/21 23:45	2.117	82.4	32.13	1.436	29.17	0
2/8/21 0:00	1.943	46.59	21.94	1.31	29.17	0
2/8/21 0:15	2.569	82.5	15.78	1.371	29.17	0
2/8/21 0:30	3.513	84.4	14.09	1.484	29.17	0.01
2/8/21 0:45	2.939	77.89	13.66	1.473	29.17	0
2/8/21 1:00	2.378	86.6	10.49	1.426	29.17	0
2/8/21 1:15	1.717	84.4	10.89	1.424	29.17	0
2/8/21 1:30	1.768	70.64	11.07	1.467	29.17	0
2/8/21 1:45	3.372	133.1	27.81	1.567	29.17	0
2/8/21 2:00	4.195	144	16.65	1.702	29.16	0
2/8/21 2:15	6.003	164.4	8.35	2.011	29.16	0
2/8/21 2:30	5.307	168.2	7.717	2.116	29.16	0
2/8/21 2:45	3.851	176.3	11.49	2.067	29.16	0
2/8/21 3:00	4.106	182.8	13.04	2.096	29.16	0
2/8/21 3:15	4.279	180.4	10.72	2.107	29.16	0
2/8/21 3:30	3.606	202	10.27	2.126	29.16	0
2/8/21 3:45	1.973	185.8	9.04	2.095	29.16	0
2/8/21 4:00	0.812	57.35	59.03	1.893	29.17	0
2/8/21 4:15	3.895	26.72	17.41	1.105	29.17	0
2/8/21 4:30	5.756	18.91	12.84	0.362	29.17	0
2/8/21 4:45	6.441	21.57	10.14	0.135	29.17	0
2/8/21 5:00	4.556	22.82	11.01	0.042	29.19	0
2/8/21 5:15	2.466	356.2	13.62	0.025	29.19	0
2/8/21 5:30	3.125	6.861	7.998	0.072	29.19	0
2/8/21 5:45	3.834	12.53	12.26	0.123	29.19	0
2/8/21 6:00	2.669	17.54	9.84	0.137	29.21	0
2/8/21 6:15	2.339	28.54	11.81	0.144	29.21	0
2/8/21 6:30	2.169	41.2	10.33	0.148	29.21	0
2/8/21 6:45	1.515	50.71	19.36	0.189	29.21	0
2/8/21 7:00	2.333	64.42	13.82	0.239	29.2	0
2/8/21 7:15	0.654	68.78	11.3	0.541	29.2	0
2/8/21 7:30	1.505	117.5	28.64	0.551	29.2	0
2/8/21 7:45	1.627	120.9	14.4	0.709	29.2	0
2/8/21 8:00	2.684	154.7	14.08	0.722	29.21	0
2/8/21 8:15	3.552	165.4	11.24	0.768	29.21	0
2/8/21 8:30	2.349	149.5	13.34	0.818	29.21	0
2/8/21 8:45	0.999	113.3	29.44	1.015	29.21	0
2/8/21 9:00	1.377	139.1	17.78	1.913	29.24	0
2/8/21 9:15	0.862	103.9	15.07	1.498	29.24	0
2/8/21 9:30	0.822	119.6	37.05	1.277	29.24	0
2/8/21 9:45	6.211	180	13.13	1.627	29.24	0
2/8/21 10:00	5.412	188.2	12.2	1.861	29.24	0
2/8/21 10:15	4.206	185.8	13.96	2.047	29.24	0
2/8/21 10:30	4.621	184.8	11.72	2.117	29.24	0
2/8/21 10:45	4.064	189.4	15.79	2.435	29.24	0.01
2/8/21 11:00	7.04	201.8	11.06	2.635	29.25	0
2/8/21 11:15	7.987	193	9.42	2.988	29.25	0.01
2/8/21 11:30	8.51	182.4	11.51	3.473	29.25	0.02
2/8/21 11:45	8.99	185.1	13.15	3.873	29.25	0.02
2/8/21 12:00	8.62	207	26.25	4.019	29.25	0
2/8/21 12:15	7.89	236	16.96	4.321	29.25	0
2/8/21 12:30	8.14	212.8	10.13	3.815	29.25	0
2/8/21 12:45	6.864	228.3	11.33	3.996	29.25	0
2/8/21 13:00	6.97	228.3	9.49	4	29.21	0
2/8/21 13:15	7.141	209.1	15.45	4.799	29.21	0
2/8/21 13:30	9.54	212	14.03	5.234	29.21	0
2/8/21 13:45	8.74	238	15.81	4.555	29.21	0
2/8/21 14:00	7.092	253.8	15.33	4.719	29.23	0
2/8/21 14:15	9.08	235.7	14.86	5.055	29.23	0
2/8/21 14:30	9.35	231.1	14.21	5.149	29.23	0
2/8/21 14:45	12.51	221.8	9.69	4.826	29.23	0
2/8/21 15:00	8.46	213.8	13.23	4.845	29.24	0
2/8/21 15:15	7.889	231.5	14.02	4.727	29.24	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/8/21 15:30	8.63	215.3	15.71	4.999	29.24	0
2/8/21 15:45	9.05	207.8	9.96	4.795	29.24	0
2/8/21 16:00	8.38	222.9	9.11	4.357	29.21	0
2/8/21 16:15	6.479	228.4	8.77	4.23	29.21	0
2/8/21 16:30	3.568	236.2	9	4.306	29.21	0
2/8/21 16:45	3.121	245.4	9.59	4.239	29.21	0
2/8/21 17:00	1.89	275.1	12.98	3.973	29.24	0
2/8/21 17:15	2.246	269.8	13.2	3.775	29.24	0
2/8/21 17:30	2.743	285.2	15.59	3.599	29.24	0
2/8/21 17:45	2.467	3.484	28.27	3.079	29.24	0
2/8/21 18:00	2.331	27.86	7.088	2.532	29.24	0
2/8/21 18:15	1.164	45.04	10.55	2.735	29.24	0
2/8/21 18:30	1.464	40.11	3.424	2.857	29.24	0
2/8/21 18:45	1.443	33.23	3.534	2.883	29.24	0
2/8/21 19:00	0.798	53.03	8.3	2.726	29.24	0
2/8/21 19:15	2.608	97	7.847	2.519	29.24	0
2/8/21 19:30	2.202	98.2	12.51	2.376	29.24	0
2/8/21 19:45	2.245	86.4	17.47	2.253	29.24	0
2/8/21 20:00	2.462	77.54	8.79	2.049	29.25	0
2/8/21 20:15	1.031	56.32	9.79	2.054	29.25	0
2/8/21 20:30	1.45	51.74	4.531	2.063	29.25	0
2/8/21 20:45	1.416	60.34	4.389	2.232	29.25	0
2/8/21 21:00	2.291	55.72	8.8	1.793	29.25	0
2/8/21 21:15	3.118	72.55	11.54	1.486	29.25	0
2/8/21 21:30	3.12	101.8	9.42	1.735	29.25	0
2/8/21 21:45	2.176	61.46	20.99	1.619	29.25	0
2/8/21 22:00	2.17	37.45	5.729	1.42	29.24	0
2/8/21 22:15	1.476	56.19	12.05	1.579	29.24	0
2/8/21 22:30	1.903	134	21.08	1.966	29.24	0
2/8/21 22:45	3.543	148.5	17.6	1.944	29.24	0
2/8/21 23:00	2.926	114.6	10.24	1.783	29.24	0
2/8/21 23:15	4.809	97.4	7.279	1.588	29.24	0
2/8/21 23:30	3.702	125.3	14.65	1.248	29.24	0
2/8/21 23:45	3.908	144.2	8.75	1.263	29.24	0
2/9/21 0:00	3.649	116.1	11.49	1.284	29.25	0
2/9/21 0:15	2.235	121.4	10.4	1.273	29.25	0
2/9/21 0:30	2.53	123.4	9.38	1.317	29.25	0
2/9/21 0:45	1.819	107.3	10.11	1.313	29.25	0
2/9/21 1:00	1.919	55.61	11.75	0.986	29.27	0
2/9/21 1:15	3.085	39.25	15.06	0.89	29.27	0
2/9/21 1:30	3.237	25.75	8.54	0.862	29.27	0
2/9/21 1:45	3.135	21.78	9.23	0.866	29.27	0
2/9/21 2:00	3.347	24.23	7.318	0.918	29.27	0
2/9/21 2:15	3.5	18.43	8.91	0.905	29.27	0
2/9/21 2:30	3.53	18.41	8.45	0.954	29.27	0
2/9/21 2:45	3.104	20.15	6.592	0.911	29.27	0
2/9/21 3:00	2.908	10.15	8.57	0.946	29.26	0
2/9/21 3:15	2.235	20.69	5.975	1.023	29.26	0
2/9/21 3:30	1.957	27.81	16.28	1.097	29.26	0
2/9/21 3:45	2.56	17.72	7.995	1.047	29.26	0
2/9/21 4:00	3.411	28.32	9.19	0.839	29.25	0
2/9/21 4:15	3.79	34.36	10.01	0.64	29.25	0
2/9/21 4:30	4.049	34.8	10.21	0.575	29.25	0
2/9/21 4:45	3.131	35.02	9.26	0.577	29.25	0
2/9/21 5:00	3.633	42.22	10.19	0.595	29.27	0
2/9/21 5:15	3.27	44.41	8.01	0.599	29.27	0
2/9/21 5:30	3.09	16.06	11.95	0.602	29.27	0
2/9/21 5:45	3.191	11.06	7.99	0.558	29.27	0
2/9/21 6:00	1.914	23.32	9.64	0.634	29.28	0
2/9/21 6:15	2.258	28.62	7.439	0.579	29.28	0
2/9/21 6:30	1.975	13.84	5.742	0.559	29.28	0
2/9/21 6:45	1.816	358.8	18.9	0.528	29.28	0
2/9/21 7:00	1.842	26.33	3.28	0.404	29.26	0
2/9/21 7:15	1.771	18.08	9.33	0.308	29.26	0
2/9/21 7:30	2.164	15.85	4.675	0.411	29.26	0
2/9/21 7:45	2.208	10.19	8.16	0.286	29.26	0
2/9/21 8:00	2.633	22.07	7.217	0.164	29.28	0
2/9/21 8:15	2.529	18.83	8.76	0.157	29.28	0
2/9/21 8:30	2.531	27.18	9.72	0.209	29.28	0
2/9/21 8:45	2.267	11.58	9.14	0.317	29.28	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/9/21 9:00	1.969	14.66	10.16	0.418	29.31	0
2/9/21 9:15	1.242	325.4	13.95	0.516	29.31	0
2/9/21 9:30	1.113	349.3	26.63	0.622	29.31	0
2/9/21 9:45	1.903	17.98	13.13	0.712	29.31	0
2/9/21 10:00	1.084	0.977	13.45	0.831	29.33	0
2/9/21 10:15	1.446	25.65	12.11	1.107	29.33	0
2/9/21 10:30	2.403	17.27	17.83	1.15	29.33	0
2/9/21 10:45	2.678	351.4	15.87	1.328	29.33	0
2/9/21 11:00	2.331	259.2	22.46	1.718	29.33	0
2/9/21 11:15	2.554	261.2	26.53	2.411	29.33	0
2/9/21 11:30	4.22	257.6	17.32	2.463	29.33	0
2/9/21 11:45	2.891	264.6	26.8	2.844	29.33	0
2/9/21 12:00	2.764	276.1	19.2	2.706	29.34	0
2/9/21 12:15	1.831	273.9	15.56	3.223	29.34	0
2/9/21 12:30	2.421	284.3	9.63	2.494	29.34	0
2/9/21 12:45	1.996	306.9	16.28	3.309	29.34	0
2/9/21 13:00	2.459	280.5	41.83	3.659	29.3	0
2/9/21 13:15	4.595	267.2	12.89	3.129	29.3	0
2/9/21 13:30	3.716	269.7	7.663	3.319	29.3	0
2/9/21 13:45	3.562	264.7	14.5	3.419	29.3	0
2/9/21 14:00	4.12	275.7	14.83	3.281	29.32	0
2/9/21 14:15	2.234	1.141	58.08	3.409	29.32	0
2/9/21 14:30	3.33	51.9	9.39	3.698	29.32	0
2/9/21 14:45	4.796	22.91	24.67	4.236	29.32	0
2/9/21 15:00	4.857	3.928	20.59	4.427	29.29	0
2/9/21 15:15	4.996	35.06	11.92	4.046	29.29	0
2/9/21 15:30	5.003	31.44	17.88	3.851	29.29	0
2/9/21 15:45	6.04	28.28	13.18	3.685	29.29	0
2/9/21 16:00	5.412	35.3	12.46	3.79	29.31	0
2/9/21 16:15	7.194	26.26	6.67	3.521	29.31	0
2/9/21 16:30	6.539	20.16	8.38	3.131	29.31	0
2/9/21 16:45	5.936	11.88	14.45	2.94	29.31	0
2/9/21 17:00	5.449	353.2	17.17	2.998	29.31	0
2/9/21 17:15	5.256	354.3	17.51	2.646	29.31	0
2/9/21 17:30	3.995	347.3	11.97	2.511	29.31	0
2/9/21 17:45	4.468	354	17.9	2.357	29.31	0
2/9/21 18:00	3.945	27.18	15.67	1.722	29.32	0
2/9/21 18:15	4.637	32.09	5.272	1.003	29.32	0
2/9/21 18:30	5.604	32.74	5.542	0.851	29.32	0
2/9/21 18:45	5.734	35.74	4.889	0.893	29.32	0
2/9/21 19:00	6.445	33.25	7.066	0.892	29.31	0
2/9/21 19:15	6.581	36.73	7.344	0.132	29.31	0
2/9/21 19:30	5.809	32.64	7.784	-0.304	29.31	0
2/9/21 19:45	5.792	28.57	8.99	-0.074	29.31	0
2/9/21 20:00	7.059	22.71	9.41	0.166	29.34	0
2/9/21 20:15	7.12	29.36	12.93	0.04	29.34	0
2/9/21 20:30	8.86	27.64	9.71	0.224	29.34	0
2/9/21 20:45	7.394	22.8	9.98	0.162	29.34	0
2/9/21 21:00	5.365	37.36	7.823	-0.421	29.32	0
2/9/21 21:15	6.56	37.75	7.08	-0.435	29.32	0
2/9/21 21:30	6.654	35.04	6.351	-0.412	29.32	0
2/9/21 21:45	7.191	38.83	7.398	-0.478	29.32	0
2/9/21 22:00	6.947	35.18	6.705	-0.339	29.33	0
2/9/21 22:15	5.2	46.73	8.27	-0.674	29.33	0
2/9/21 22:30	4.442	54.94	9.4	-0.772	29.33	0
2/9/21 22:45	4.228	52.38	9.45	-0.695	29.33	0
2/9/21 23:00	3.041	49.33	7.983	-0.703	29.32	0
2/9/21 23:15	1.688	84.3	25.06	-0.66	29.32	0
2/9/21 23:30	1.311	94.4	11.71	-0.29	29.32	0
2/9/21 23:45	0.215	103.4	0.048	-0.347	29.32	0
2/10/21 0:00	0.243	84	23.92	-0.384	29.34	0
2/10/21 0:15	0.83	8.93	0.46	-1.378	29.34	0
2/10/21 0:30	0.072	45.34	2.702	-1.403	29.34	0
2/10/21 0:45	0.942	52.97	0.576	-1.169	29.34	0
2/10/21 1:00	0.705	57.02	4.475	-0.939	29.32	0
2/10/21 1:15	2.05	162.5	22.03	-1.365	29.32	0
2/10/21 1:30	2.195	171.8	2.324	-0.965	29.32	0
2/10/21 1:45	2.035	153.6	14.41	-0.826	29.32	0
2/10/21 2:00	2.117	127.8	10.79	-1.334	29.32	0
2/10/21 2:15	2.664	141	11.22	-1.096	29.32	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/10/21 2:30	1.759	158.9	7.1	-0.88	29.32	0
2/10/21 2:45	0.062	156.3	0.012	-1.758	29.32	0
2/10/21 3:00	1.709	266.1	21.74	-1.715	29.31	0
2/10/21 3:15	3.491	204.4	14.28	-1.806	29.31	0
2/10/21 3:30	3.377	185.8	7.531	-2.091	29.31	0
2/10/21 3:45	3.451	190.7	6.349	-2.104	29.31	0
2/10/21 4:00	3.956	192.9	6.513	-2.139	29.33	0
2/10/21 4:15	3.786	180.7	11.58	-2.101	29.33	0
2/10/21 4:30	3	154.3	15.87	-1.741	29.33	0
2/10/21 4:45	2.153	152.8	14.17	-1.964	29.33	0
2/10/21 5:00	2.713	142.2	7.05	-1.949	29.33	0
2/10/21 5:15	3.077	168.4	8.15	-1.752	29.33	0
2/10/21 5:30	2.944	143.2	13.82	-1.737	29.33	0
2/10/21 5:45	3.351	103.6	8.4	-1.993	29.33	0
2/10/21 6:00	3.388	124.4	12.49	-1.93	29.32	0
2/10/21 6:15	4.614	171.2	17.47	-1.636	29.32	0
2/10/21 6:30	5.391	185.7	12.26	-1.669	29.32	0
2/10/21 6:45	2.523	142.7	29.43	-1.745	29.32	0
2/10/21 7:00	1.401	62.04	6.364	-1.968	29.35	0
2/10/21 7:15	1.219	63.7	5.582	-1.692	29.35	0
2/10/21 7:30	1.565	89	19.54	-1.315	29.35	0
2/10/21 7:45	1.923	121.3	5.072	-0.853	29.35	0
2/10/21 8:00	2.033	112.5	6.792	-0.758	29.33	0
2/10/21 8:15	0.717	122.4	26.34	-0.802	29.33	0
2/10/21 8:30	1.483	161.2	20.84	-1.003	29.33	0
2/10/21 8:45	1.19	168.1	18.95	-0.982	29.33	0
2/10/21 9:00	2.232	163.6	24.41	-0.601	29.36	0
2/10/21 9:15	2.29	128.9	7.877	-0.504	29.36	0
2/10/21 9:30	2.545	148.5	12.14	-0.236	29.36	0
2/10/21 9:45	3.382	150.7	9.54	0.095	29.36	0
2/10/21 10:00	1.665	132.8	12.94	0.425	29.34	0
2/10/21 10:15	1.693	158.1	29.26	0.642	29.34	0
2/10/21 10:30	1.96	225.5	8.79	0.525	29.34	0
2/10/21 10:45	2.333	239.3	8.65	0.816	29.34	0
2/10/21 11:00	2.436	201.1	18.11	0.889	29.35	0
2/10/21 11:15	2.185	202.7	15.47	0.73	29.35	0
2/10/21 11:30	2.679	210.3	10.44	0.816	29.35	0
2/10/21 11:45	2.602	201.7	7.023	0.867	29.35	0
2/10/21 12:00	1.659	148.8	24.59	0.876	29.37	0
2/10/21 12:15	3.76	132.2	14.51	1.594	29.37	0
2/10/21 12:30	3.619	120.9	16.71	2.182	29.37	0
2/10/21 12:45	3.962	142.8	16.78	1.873	29.37	0
2/10/21 13:00	4.273	137.5	16.72	2.605	29.35	0
2/10/21 13:15	5.381	135.2	23.18	3.08	29.35	0
2/10/21 13:30	5.299	128.7	11.23	3.526	29.35	0
2/10/21 13:45	4.934	140.1	22.22	3.76	29.35	0
2/10/21 14:00	3.903	126.9	49.86	3.827	29.33	0
2/10/21 14:15	3.25	175.6	19.94	3.207	29.33	0
2/10/21 14:30	3.374	132.7	11.97	3.15	29.33	0
2/10/21 14:45	2.831	169.6	24.56	3.476	29.33	0
2/10/21 15:00	4.4	176.1	18.77	4.003	29.34	0
2/10/21 15:15	4.718	190.1	14.9	4.2	29.34	0
2/10/21 15:30	5.317	205.8	19.3	4.319	29.34	0
2/10/21 15:45	4.191	209	30.42	3.8	29.34	0
2/10/21 16:00	4.278	174.4	19.32	4.11	29.32	0
2/10/21 16:15	5.365	164.2	14.99	3.862	29.32	0
2/10/21 16:30	6.234	194.9	17.11	3.902	29.32	0
2/10/21 16:45	5.628	203.4	12.27	4.159	29.32	0
2/10/21 17:00	5.389	223.6	11.49	4.204	29.32	0
2/10/21 17:15	4.125	234	25	3.993	29.32	0
2/10/21 17:30	4.062	200.5	11.73	3.673	29.32	0
2/10/21 17:45	4.5	218.7	7.363	3.425	29.32	0
2/10/21 18:00	5.008	224.8	5.437	3.336	29.35	0
2/10/21 18:15	3.717	218	6.103	3.181	29.35	0
2/10/21 18:30	1.846	156.4	36.63	2.88	29.35	0
2/10/21 18:45	1.545	110.3	15.22	2.614	29.35	0
2/10/21 19:00	0.897	115.4	9.81	2.547	29.34	0
2/10/21 19:15	1.271	105.1	25.6	2.412	29.34	0
2/10/21 19:30	2.955	130.8	12.02	1.952	29.34	0
2/10/21 19:45	3.683	142.7	7.271	1.588	29.34	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/10/21 20:00	3.789	130.1	7.857	1.619	29.32	0
2/10/21 20:15	3.712	148.1	8.35	1.41	29.32	0
2/10/21 20:30	3.984	129.2	7.75	1.412	29.32	0
2/10/21 20:45	4.533	133	7.337	1.326	29.32	0
2/10/21 21:00	3.94	140.7	11.27	1.252	29.31	0
2/10/21 21:15	4.572	152.4	7.776	0.967	29.31	0
2/10/21 21:30	4.853	150.8	6.872	0.823	29.31	0
2/10/21 21:45	4.267	151.9	8.43	0.631	29.31	0
2/10/21 22:00	4.765	157	8.34	0.609	29.34	0
2/10/21 22:15	5.253	159.1	8.19	0.408	29.34	0
2/10/21 22:30	4.803	141.2	10.95	0.243	29.34	0
2/10/21 22:45	5.626	129.1	8.07	0.226	29.34	0
2/10/21 23:00	4.747	151.6	9.11	0.305	29.32	0
2/10/21 23:15	4.779	151.5	6.972	0.385	29.32	0
2/10/21 23:30	5.065	139.3	8.54	0.543	29.32	0
2/10/21 23:45	5.046	144.6	8.17	0.608	29.32	0
2/11/21 0:00	4.973	143	7.929	0.662	29.33	0
2/11/21 0:15	4.612	143.1	8.04	0.661	29.33	0
2/11/21 0:30	4.351	138.9	8.15	0.751	29.33	0
2/11/21 0:45	4.705	149.1	8.39	0.683	29.33	0
2/11/21 1:00	4.761	147.1	7.667	0.607	29.34	0
2/11/21 1:15	2.011	48.87	40.77	0.013	29.34	0
2/11/21 1:30	3.475	46.06	7.869	-0.592	29.34	0
2/11/21 1:45	4.821	36.24	12.83	-0.759	29.34	0
2/11/21 2:00	5.054	30.97	6.702	-0.699	29.31	0
2/11/21 2:15	5.653	45.1	7.782	-0.473	29.31	0
2/11/21 2:30	5.24	40.77	9.71	-0.618	29.31	0
2/11/21 2:45	5.26	32.45	10.17	-0.486	29.31	0
2/11/21 3:00	3.083	33.55	9.4	-0.386	29.32	0
2/11/21 3:15	2.684	116.7	38.18	-0.579	29.32	0
2/11/21 3:30	4.977	53.83	15.94	-0.619	29.32	0
2/11/21 3:45	3.713	56.45	7.919	-0.721	29.32	0
2/11/21 4:00	2.118	137.9	59.37	-0.278	29.3	0
2/11/21 4:15	2.923	203.8	20.46	-0.109	29.3	0
2/11/21 4:30	2.113	75.91	39.59	-0.1	29.3	0
2/11/21 4:45	2.132	58.53	17.61	-0.243	29.3	0
2/11/21 5:00	3.556	122.4	16.86	-0.182	29.28	0
2/11/21 5:15	4.573	113.1	21.54	-0.195	29.28	0
2/11/21 5:30	5.115	76.77	15.38	-0.428	29.28	0
2/11/21 5:45	6.527	46.34	6.986	-0.932	29.28	0
2/11/21 6:00	6.716	30.18	8.18	-1.056	29.28	0
2/11/21 6:15	6.314	26.7	8.38	-0.849	29.28	0
2/11/21 6:30	5.131	40.66	11.96	-0.834	29.28	0
2/11/21 6:45	6.433	27.46	9.51	-0.812	29.28	0
2/11/21 7:00	3.461	33.28	21.25	-0.948	29.23	0
2/11/21 7:15	2.373	319.2	68.15	-0.911	29.23	0
2/11/21 7:30	4.957	271.3	8.99	-0.591	29.23	0
2/11/21 7:45	2.738	314.6	36.44	-0.669	29.23	0
2/11/21 8:00	2.117	337.2	21.47	-0.854	29.25	0
2/11/21 8:15	2.435	317.4	20.09	-0.649	29.25	0
2/11/21 8:30	4.83	283.7	5.593	-0.701	29.25	0
2/11/21 8:45	3.8	307.3	14.66	-0.616	29.25	0
2/11/21 9:00	3.256	322.2	13.53	-0.436	29.24	0
2/11/21 9:15	2.372	348.7	33.06	0.107	29.24	0
2/11/21 9:30	2.421	17.87	25.42	0.402	29.24	0
2/11/21 9:45	1.871	31.33	32.52	0.493	29.24	0
2/11/21 10:00	3.381	353.1	21.35	0.313	29.22	0
2/11/21 10:15	3.151	5.489	11.73	0.428	29.22	0
2/11/21 10:30	2.751	15.69	18.14	0.743	29.22	0
2/11/21 10:45	2.62	33.4	16.15	0.985	29.22	0
2/11/21 11:00	1.772	48.68	33.31	1.193	29.22	0
2/11/21 11:15	4.194	116	22.75	1.737	29.22	0
2/11/21 11:30	7.549	109.2	18.76	1.623	29.22	0
2/11/21 11:45	9.9	118.5	11.84	1.532	29.22	0
2/11/21 12:00	8.02	121.9	13.26	1.817	29.22	0
2/11/21 12:15	7.778	122.7	14.79	1.65	29.22	0
2/11/21 12:30	6.676	124.2	19.58	1.598	29.22	0
2/11/21 12:45	6.3	108.8	17.18	1.577	29.22	0
2/11/21 13:00	6.543	103.6	19.76	1.429	29.21	0
2/11/21 13:15	5.694	101.5	16.12	1.322	29.21	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/11/21 13:30	5.924	82.8	24.63	1.006	29.21	0
2/11/21 13:45	6.986	70.62	18.93	0.791	29.21	0
2/11/21 14:00	10.94	66.06	17.32	0.266	29.19	0
2/11/21 14:15	7.36	78.95	20.86	0.277	29.19	0
2/11/21 14:30	8.31	65.08	15.77	0.079	29.19	0
2/11/21 14:45	9.1	59.66	17.38	-0.11	29.19	0
2/11/21 15:00	8.27	73.51	17.68	-0.213	29.18	0
2/11/21 15:15	6.704	69.16	19.94	-0.33	29.18	0
2/11/21 15:30	7.357	74.14	24.81	-0.598	29.18	0
2/11/21 15:45	4.754	96.5	18.29	-0.738	29.18	0
2/11/21 16:00	5.305	127.5	10.32	-1.188	29.18	0
2/11/21 16:15	4.118	114.5	13.14	-1.554	29.18	0
2/11/21 16:30	3.987	49.56	28.57	-1.608	29.18	0
2/11/21 16:45	2.584	29.25	20.17	-1.567	29.18	0
2/11/21 17:00	2.716	64.44	33.66	-1.416	29.18	0
2/11/21 17:15	2.812	95.2	23.27	-1.271	29.18	0
2/11/21 17:30	3.034	107.3	25.66	-1.222	29.18	0
2/11/21 17:45	3.07	99.4	20.47	-1.128	29.18	0
2/11/21 18:00	1.729	109.6	16.75	-1.106	29.14	0
2/11/21 18:15	3.471	103.8	18.39	-1.028	29.14	0
2/11/21 18:30	3.729	67.14	23.11	-1.065	29.14	0
2/11/21 18:45	8.39	73.04	18.12	-1.371	29.14	0
2/11/21 19:00	8.78	86.5	16.77	-1.601	29.17	0
2/11/21 19:15	8.25	90	14.72	-1.773	29.17	0
2/11/21 19:30	6.133	99.4	17.33	-1.87	29.17	0
2/11/21 19:45	4.902	102.1	15.43	-1.977	29.17	0
2/11/21 20:00	2.463	107.4	21.05	-2.013	29.15	0
2/11/21 20:15	4.262	114.7	16.76	-1.993	29.15	0
2/11/21 20:30	5.275	123.1	19.86	-2.032	29.15	0
2/11/21 20:45	5.662	113.8	19.96	-2.021	29.15	0
2/11/21 21:00	6.822	111.6	14.62	-1.978	29.17	0
2/11/21 21:15	7.955	110.4	18.85	-1.92	29.17	0
2/11/21 21:30	6.601	114.8	16.29	-1.896	29.17	0
2/11/21 21:45	3.27	96.5	20.77	-1.854	29.17	0
2/11/21 22:00	4.321	93.5	26.8	-1.802	29.16	0
2/11/21 22:15	3.982	91.7	21.96	-1.727	29.16	0
2/11/21 22:30	3.59	52.9	19.01	-1.71	29.16	0
2/11/21 22:45	3.104	72	20.55	-1.72	29.16	0
2/11/21 23:00	3.679	60.92	21.38	-1.696	29.18	0
2/11/21 23:15	3.76	73.33	21.96	-1.648	29.18	0
2/11/21 23:30	5.088	80.9	18.89	-1.635	29.18	0
2/11/21 23:45	3.46	74.48	17.69	-1.691	29.18	0
2/12/21 0:00	3.253	99.2	25	-1.706	29.18	0
2/12/21 0:15	3.364	90.4	21.34	-1.734	29.18	0
2/12/21 0:30	4.162	99	19.57	-1.779	29.18	0
2/12/21 0:45	7.159	112.1	16.25	-1.868	29.18	0
2/12/21 1:00	3.865	92.8	23.78	-1.949	29.18	0
2/12/21 1:15	3.682	157.4	26.48	-2.028	29.18	0
2/12/21 1:30	4.014	121.9	20.68	-2.136	29.18	0
2/12/21 1:45	3.766	98.8	30.9	-2.225	29.18	0
2/12/21 2:00	2.05	118.9	30.36	-2.23	29.19	0
2/12/21 2:15	0.974	193.5	6.576	-2.184	29.19	0
2/12/21 2:30	2.194	108.4	13.51	-2.226	29.19	0
2/12/21 2:45	2.036	101.3	22.22	-2.263	29.19	0
2/12/21 3:00	1.981	82.7	11.13	-2.276	29.2	0
2/12/21 3:15	4.913	107.6	22.05	-2.256	29.2	0
2/12/21 3:30	5.956	111.1	18.82	-2.313	29.2	0
2/12/21 3:45	7.108	113.4	21.54	-2.396	29.2	0
2/12/21 4:00	6.847	127.1	10.37	-2.532	29.16	0
2/12/21 4:15	5.135	130.7	13.13	-2.577	29.16	0
2/12/21 4:30	6.801	131.1	11.43	-2.619	29.16	0
2/12/21 4:45	5.826	124.2	14.58	-2.656	29.16	0
2/12/21 5:00	5.952	135.9	10.84	-2.747	29.19	0
2/12/21 5:15	4.257	143.6	14.74	-2.786	29.19	0
2/12/21 5:30	3.891	164.8	17.24	-2.74	29.19	0
2/12/21 5:45	3.99	143.6	19.01	-2.696	29.19	0
2/12/21 6:00	4.766	133.8	14	-2.624	29.2	0
2/12/21 6:15	3.574	114.6	12.58	-2.629	29.2	0
2/12/21 6:30	1.941	113.5	34.58	-2.624	29.2	0
2/12/21 6:45	1.312	125	21.06	-2.613	29.2	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/12/21 7:00	4.326	161.9	13.72	-2.693	29.23	0
2/12/21 7:15	4.468	155.8	9.16	-2.799	29.23	0
2/12/21 7:30	5.083	136.3	8.38	-2.816	29.23	0
2/12/21 7:45	5.539	140.5	10.63	-2.872	29.23	0
2/12/21 8:00	6.178	155.2	9.19	-2.947	29.22	0
2/12/21 8:15	5.329	147.2	12.44	-2.959	29.22	0
2/12/21 8:30	4.999	139.4	11.95	-2.872	29.22	0
2/12/21 8:45	6.475	137.1	10.66	-2.848	29.22	0
2/12/21 9:00	8.71	137.2	11.35	-2.798	29.23	0
2/12/21 9:15	9.35	133.8	11.66	-2.822	29.23	0
2/12/21 9:30	7.152	141.3	11.79	-2.75	29.23	0
2/12/21 9:45	8.49	146	9.92	-2.651	29.23	0
2/12/21 10:00	8.8	141.2	10.9	-2.618	29.21	0
2/12/21 10:15	7.823	132.7	11.43	-2.618	29.21	0
2/12/21 10:30	6.016	128.9	15.53	-2.405	29.21	0
2/12/21 10:45	5.544	131	15.89	-2.251	29.21	0
2/12/21 11:00	5.97	136.7	15.65	-2.12	29.23	0
2/12/21 11:15	7.986	135.7	11.3	-1.967	29.23	0
2/12/21 11:30	7.341	135.1	14.97	-1.784	29.23	0
2/12/21 11:45	9.04	144.6	11.99	-1.524	29.23	0
2/12/21 12:00	10.19	145.4	12.89	-1.452	29.21	0
2/12/21 12:15	9.22	133.2	12.26	-1.162	29.21	0
2/12/21 12:30	9.43	132.6	11.17	-1.178	29.21	0
2/12/21 12:45	9.83	142.5	10.72	-1.248	29.21	0
2/12/21 13:00	10.29	139.7	11	-1.452	29.22	0
2/12/21 13:15	9.87	136.7	10.25	-1.624	29.22	0
2/12/21 13:30	9.74	136.2	9.14	-1.745	29.22	0
2/12/21 13:45	8.67	138.4	9.23	-1.783	29.22	0
2/12/21 14:00	8.65	135.8	9.07	-1.811	29.18	0
2/12/21 14:15	8.54	134.9	10.81	-1.706	29.18	0
2/12/21 14:30	9.65	146.7	9.3	-1.777	29.18	0
2/12/21 14:45	9.22	128.2	17.69	-1.725	29.18	0
2/12/21 15:00	12.74	127.9	9.79	-1.868	29.17	0
2/12/21 15:15	10.59	127.3	12.9	-1.975	29.17	0
2/12/21 15:30	10.35	133.7	14.41	-2.001	29.17	0
2/12/21 15:45	8.97	135.6	11.69	-2.2	29.17	0
2/12/21 16:00	10.16	140.3	12.16	-2.335	29.15	0
2/12/21 16:15	10.11	138.7	11.7	-2.449	29.15	0
2/12/21 16:30	11.25	135.4	11	-2.589	29.15	0
2/12/21 16:45	11.56	132.1	11.36	-2.74	29.15	0
2/12/21 17:00	12.28	129	12.22	-2.861	29.12	0
2/12/21 17:15	12.95	128.4	11.58	-3.007	29.12	0
2/12/21 17:30	14.15	130.6	10.52	-3.308	29.12	0
2/12/21 17:45	14.29	130.6	11.73	-3.619	29.12	0
2/12/21 18:00	15.09	128.6	11.11	-3.848	29.08	0
2/12/21 18:15	15.01	131.5	9.34	-3.941	29.08	0
2/12/21 18:30	14.28	135.8	11.25	-3.977	29.08	0
2/12/21 18:45	14.26	132.7	11.91	-3.972	29.08	0
2/12/21 19:00	15.81	129.9	11.26	-4.043	29.07	0
2/12/21 19:15	16.75	132.1	11.47	-4.262	29.07	0
2/12/21 19:30	15.36	128.5	13.27	-4.223	29.07	0
2/12/21 19:45	17.03	128.5	13.14	-4.216	29.07	0
2/12/21 20:00	16.54	125.6	12.69	-4.385	29.03	0
2/12/21 20:15	17.89	129.6	11.01	-4.409	29.03	0
2/12/21 20:30	18.25	130	11.99	-4.258	29.03	0
2/12/21 20:45	15.59	128.8	13.66	-4.359	29.03	0
2/12/21 21:00	15.22	127.8	11.6	-4.395	29.02	0
2/12/21 21:15	17.48	128.1	11.28	-4.5	29.02	0
2/12/21 21:30	16.78	126.6	11.76	-4.771	29.02	0
2/12/21 21:45	16.36	123.2	12.15	-5.011	29.02	0
2/12/21 22:00	15.62	127.1	12.78	-5.147	28.99	0
2/12/21 22:15	15.86	126.7	12.72	-5.197	28.99	0
2/12/21 22:30	17.78	128.9	12.54	-5.174	28.99	0
2/12/21 22:45	17.27	126.3	11.87	-5.22	28.99	0
2/12/21 23:00	17.74	125.5	10.89	-5.308	28.95	0
2/12/21 23:15	18.71	127.8	11.31	-5.314	28.95	0
2/12/21 23:30	18.27	127.5	10.76	-5.265	28.95	0
2/12/21 23:45	18.86	127.4	11.06	-5.157	28.95	0
2/13/21 0:00	17.5	125	11.53	-5.156	28.93	0
2/13/21 0:15	18.21	126.9	11.62	-5.159	28.93	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/13/21 0:30	17.93	130.3	10.66	-5.131	28.93	0
2/13/21 0:45	17.95	130.8	12.24	-5.055	28.93	0
2/13/21 1:00	19.14	126.6	12.02	-5.002	28.89	0
2/13/21 1:15	17.9	127.9	11.25	-5.062	28.89	0
2/13/21 1:30	18.54	128.6	12.44	-4.986	28.89	0
2/13/21 1:45	20.64	127.7	11.28	-4.925	28.89	0
2/13/21 2:00	20.39	125	10.77	-4.962	28.83	0
2/13/21 2:15	18.65	124.8	12.4	-4.918	28.83	0
2/13/21 2:30	18.52	126.5	10.69	-4.833	28.83	0
2/13/21 2:45	19.17	124.5	11.68	-4.734	28.83	0
2/13/21 3:00	19.65	124.7	11.19	-4.774	28.81	0
2/13/21 3:15	19.65	123	12.13	-4.914	28.81	0
2/13/21 3:30	20.31	124.2	12.27	-4.839	28.81	0
2/13/21 3:45	20.53	121.6	11.62	-4.739	28.81	0
2/13/21 4:00	21.43	123.8	11.69	-4.685	28.74	0
2/13/21 4:15	20.26	119.5	13.17	-4.738	28.74	0
2/13/21 4:30	20.22	121.3	11.83	-4.633	28.74	0
2/13/21 4:45	19.99	122.9	11.31	-4.343	28.74	0
2/13/21 5:00	17.8	124.6	12.05	-4.361	28.76	0
2/13/21 5:15	17.93	128.7	11.19	-4.451	28.76	0
2/13/21 5:30	20.71	127.6	10.69	-4.499	28.76	0
2/13/21 5:45	19.86	127.5	11	-4.608	28.76	0
2/13/21 6:00	22.37	126.4	10.33	-4.687	28.82	0
2/13/21 6:15	21.48	116	12.02	-4.725	28.82	0
2/13/21 6:30	22.05	116.7	11.36	-4.786	28.82	0
2/13/21 6:45	22.94	114.6	11.62	-4.85	28.82	0
2/13/21 7:00	21.11	112.8	12.64	-4.867	28.82	0
2/13/21 7:15	21.02	110.8	12.47	-4.8	28.82	0
2/13/21 7:30	18.38	113.6	11.2	-4.783	28.82	0
2/13/21 7:45	17.74	113.3	12.57	-4.737	28.82	0
2/13/21 8:00	20.91	113.6	11.37	-4.616	28.84	0
2/13/21 8:15	22.06	115.1	10.67	-4.647	28.84	0
2/13/21 8:30	21.93	113.6	11.7	-4.658	28.84	0
2/13/21 8:45	22.41	115	11.04	-4.535	28.84	0
2/13/21 9:00	24.23	112.7	12.03	-4.371	28.87	0
2/13/21 9:15	25.06	113	11.72	-4.21	28.87	0
2/13/21 9:30	22.53	112.9	11.8	-4.113	28.87	0
2/13/21 9:45	23.59	114.3	10.82	-4.031	28.87	0
2/13/21 10:00	21.89	108.6	11.49	-3.983	28.89	0
2/13/21 10:15	22.6	106.8	11.83	-3.965	28.89	0
2/13/21 10:30	22.95	108.4	12.33	-3.765	28.89	0
2/13/21 10:45	21.81	110.2	12.91	-3.496	28.89	0
2/13/21 11:00	22.25	109.7	11.35	-3.38	28.91	0
2/13/21 11:15	21.7	113.9	12.1	-3.489	28.91	0
2/13/21 11:30	19.18	117.8	12.36	-3.35	28.91	0
2/13/21 11:45	18.16	116.1	13.03	-3.345	28.91	0
2/13/21 12:00	18.12	115	12.47	-3.147	28.97	0
2/13/21 12:15	18.08	117.2	12.22	-3.032	28.97	0
2/13/21 12:30	17	114.7	12.92	-2.988	28.97	0
2/13/21 12:45	15.48	117.6	11.7	-3.022	28.97	0
2/13/21 13:00	13.85	117	12.6	-3.07	28.99	0
2/13/21 13:15	14.07	117.5	11.93	-3.2	28.99	0
2/13/21 13:30	12.6	118.1	12.19	-3.32	28.99	0
2/13/21 13:45	13.35	116.8	12.36	-3.351	28.99	0
2/13/21 14:00	13.59	119.1	11.02	-3.181	29.03	0
2/13/21 14:15	13.18	120.9	9.88	-2.99	29.03	0
2/13/21 14:30	12.51	117.4	11.49	-2.804	29.03	0
2/13/21 14:45	12.34	117.5	11.31	-2.913	29.03	0
2/13/21 15:00	11.12	121.8	12.89	-3.133	29.05	0
2/13/21 15:15	11.61	121.9	13.5	-3.307	29.05	0
2/13/21 15:30	14.35	116.8	11.59	-3.348	29.05	0
2/13/21 15:45	15.92	114.9	12.61	-3.411	29.05	0
2/13/21 16:00	17.25	114.8	12.99	-3.426	29.08	0
2/13/21 16:15	15.65	116.9	11.23	-3.337	29.08	0
2/13/21 16:30	16.78	115	11.24	-3.464	29.08	0
2/13/21 16:45	16.01	114.9	11.95	-3.465	29.08	0
2/13/21 17:00	15.82	113.8	12.19	-3.355	29.1	0
2/13/21 17:15	12.99	113	12.24	-3.063	29.1	0
2/13/21 17:30	13.91	122.7	10.4	-2.851	29.1	0
2/13/21 17:45	14.9	119.7	11.35	-2.839	29.1	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/13/21 18:00	15.1	116.3	11.72	-2.872	29.1	0
2/13/21 18:15	14.46	116.5	12.26	-2.645	29.1	0
2/13/21 18:30	15.44	118.3	11.99	-2.352	29.1	0
2/13/21 18:45	16.07	118.3	12.44	-2.334	29.1	0
2/13/21 19:00	13.18	118.7	12.24	-2.311	29.14	0
2/13/21 19:15	13.01	122	10.88	-2.221	29.14	0
2/13/21 19:30	15.15	120.4	11.73	-2.166	29.14	0
2/13/21 19:45	14.46	115.5	11.82	-2.293	29.14	0
2/13/21 20:00	13.52	117.3	11.51	-2.423	29.13	0
2/13/21 20:15	12.53	119.1	11.07	-2.363	29.13	0
2/13/21 20:30	13.05	118.8	10.8	-2.19	29.13	0
2/13/21 20:45	14.69	116.7	12.08	-2.097	29.13	0
2/13/21 21:00	15.16	123.3	10.79	-2.117	29.16	0
2/13/21 21:15	15.88	118.8	11.12	-2.134	29.16	0
2/13/21 21:30	14.88	115.7	12.08	-2.198	29.16	0
2/13/21 21:45	14.95	115.6	11.56	-2.16	29.16	0
2/13/21 22:00	13.71	111.7	12.43	-2.111	29.15	0
2/13/21 22:15	13.95	119.8	10.56	-1.92	29.15	0
2/13/21 22:30	13.89	116.3	11.87	-1.923	29.15	0
2/13/21 22:45	10.49	122.9	11.87	-1.805	29.15	0
2/13/21 23:00	8.73	120.6	14.75	-1.835	29.18	0
2/13/21 23:15	7.479	111.9	14.09	-1.86	29.18	0
2/13/21 23:30	8.52	109.8	15.65	-1.857	29.18	0
2/13/21 23:45	7.441	113.5	16.92	-1.834	29.18	0
2/14/21 0:00	8.57	111.4	15.85	-1.804	29.18	0
2/14/21 0:15	7.701	106.4	14.54	-1.751	29.18	0
2/14/21 0:30	6.889	107.9	18.08	-1.652	29.18	0
2/14/21 0:45	8.58	109.1	14.27	-1.585	29.18	0
2/14/21 1:00	8.96	111.8	14.68	-1.452	29.14	0
2/14/21 1:15	7.883	104.7	15.1	-1.529	29.14	0
2/14/21 1:30	5.214	95	22.13	-1.44	29.14	0
2/14/21 1:45	6.187	105.8	16.18	-1.23	29.14	0
2/14/21 2:00	5.563	104.2	17.77	-1.233	29.15	0
2/14/21 2:15	6.331	116.9	16.97	-1.18	29.15	0
2/14/21 2:30	6.558	124.1	16.86	-1.259	29.15	0
2/14/21 2:45	4.62	146.7	19.9	-1.287	29.15	0
2/14/21 3:00	5.301	116.4	18.33	-1.374	29.14	0
2/14/21 3:15	6.728	116.2	16.36	-1.583	29.14	0
2/14/21 3:30	8.11	118.5	11.84	-1.916	29.14	0
2/14/21 3:45	6.624	130	13.88	-2.325	29.14	0
2/14/21 4:00	5.932	112	18.84	-2.54	29.17	0
2/14/21 4:15	5.394	94.7	20.66	-2.38	29.17	0
2/14/21 4:30	6.258	99.7	21.75	-2.138	29.17	0
2/14/21 4:45	7.153	108.6	16.15	-2.008	29.17	0
2/14/21 5:00	8.22	110.8	16.95	-1.899	29.1	0
2/14/21 5:15	6.04	110.9	13.16	-1.798	29.1	0
2/14/21 5:30	6.822	130.7	12.83	-1.76	29.1	0
2/14/21 5:45	9.25	114.6	14.4	-1.627	29.1	0
2/14/21 6:00	9.16	114.8	11.93	-1.513	29.11	0
2/14/21 6:15	10.83	120.6	12.14	-1.457	29.11	0
2/14/21 6:30	12.69	122.6	11.91	-1.569	29.11	0
2/14/21 6:45	12.73	125.6	11.06	-1.789	29.11	0
2/14/21 7:00	12.27	125.9	12.74	-1.717	29.09	0
2/14/21 7:15	9.06	124.2	12.28	-1.746	29.09	0
2/14/21 7:30	6.613	131	14.58	-1.99	29.09	0
2/14/21 7:45	7.115	137.2	12.41	-2.233	29.09	0
2/14/21 8:00	6.63	148.9	14.13	-2.379	29.12	0
2/14/21 8:15	7.309	135.8	16.87	-2.527	29.12	0
2/14/21 8:30	13.34	130.9	11.32	-2.591	29.12	0
2/14/21 8:45	11.67	127.4	11.42	-2.571	29.12	0
2/14/21 9:00	10.92	131	13.22	-2.433	29.09	0
2/14/21 9:15	11.79	135.6	10.93	-2.302	29.09	0
2/14/21 9:30	15.18	133.8	10.86	-2.18	29.09	0
2/14/21 9:45	16.43	133.3	9.81	-2.347	29.09	0
2/14/21 10:00	13.51	131.7	12.38	-2.321	29.09	0
2/14/21 10:15	12.84	134.8	13.45	-1.947	29.09	0
2/14/21 10:30	11.54	135.1	12.89	-1.636	29.09	0
2/14/21 10:45	11.63	134.1	11.51	-1.567	29.09	0
2/14/21 11:00	11.59	128.9	12.01	-1.402	29.07	0
2/14/21 11:15	10.12	127.6	12.12	-1.1	29.07	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/14/21 11:30	11.09	128.6	13.71	-0.994	29.07	0
2/14/21 11:45	12.61	135.2	14.05	-1.04	29.07	0
2/14/21 12:00	11.84	127.1	12.68	-1.129	29.09	0
2/14/21 12:15	7.893	124.7	15.13	-1.056	29.09	0
2/14/21 12:30	6.577	115.7	14.76	-1.012	29.09	0
2/14/21 12:45	5.395	120.3	24.34	-0.819	29.09	0
2/14/21 13:00	6.471	121.1	18.27	-0.864	29.03	0
2/14/21 13:15	8.97	127.7	15.84	-0.975	29.03	0
2/14/21 13:30	11.85	128.2	11.66	-0.826	29.03	0
2/14/21 13:45	10.62	128.3	12.52	-0.446	29.03	0
2/14/21 14:00	6.016	111.2	18.53	-0.214	29.03	0
2/14/21 14:15	5.019	97.8	19.7	0.03	29.03	0
2/14/21 14:30	6.222	120.7	14.35	0.283	29.03	0
2/14/21 14:45	4.97	104.8	22.48	0.519	29.03	0
2/14/21 15:00	9.94	116	16.91	0.657	28.98	0
2/14/21 15:15	13.16	127.6	12.04	0.472	28.98	0
2/14/21 15:30	16.41	129.9	10.95	0.515	28.98	0
2/14/21 15:45	12.61	129.5	12.31	0.707	28.98	0
2/14/21 16:00	6.949	118.8	17.57	0.973	28.96	0
2/14/21 16:15	7.172	120	16.8	0.952	28.96	0
2/14/21 16:30	11.85	132.5	12.27	0.685	28.96	0
2/14/21 16:45	9.08	130.4	13.85	0.493	28.96	0
2/14/21 17:00	12.17	133.8	12.03	0.447	28.95	0
2/14/21 17:15	13.95	129.6	12.5	0.294	28.95	0
2/14/21 17:30	15.43	128.7	11.68	0.335	28.95	0
2/14/21 17:45	15.53	132.1	11.09	0.374	28.95	0
2/14/21 18:00	15.72	134.1	11.91	0.366	28.93	0
2/14/21 18:15	15.65	127.7	12.59	0.278	28.93	0
2/14/21 18:30	15.82	128.2	11.26	0.435	28.93	0
2/14/21 18:45	15.65	127.6	11.07	0.505	28.93	0
2/14/21 19:00	17.17	131.2	11.08	0.22	28.9	0
2/14/21 19:15	16.08	130.6	10.69	-0.218	28.9	0
2/14/21 19:30	15	128.9	10.63	-0.283	28.9	0
2/14/21 19:45	10.81	129	12.05	-0.137	28.9	0
2/14/21 20:00	9.88	130	10.95	0.011	28.89	0
2/14/21 20:15	9.69	133.7	10.75	-0.115	28.89	0
2/14/21 20:30	8.12	131.7	10.42	-0.203	28.89	0
2/14/21 20:45	5.777	130.8	11.55	-0.09	28.89	0
2/14/21 21:00	4.649	134.1	10.44	0.043	28.87	0
2/14/21 21:15	4.35	131.8	10.49	0.276	28.87	0
2/14/21 21:30	3.748	132.5	11.35	0.28	28.87	0.01
2/14/21 21:45	2.867	129.9	11.4	0.396	28.87	0.02
2/14/21 22:00	2.467	134.5	13.2	0.753	28.89	0.02
2/14/21 22:15	2.404	141.9	10.98	0.718	28.89	0.02
2/14/21 22:30	2.434	147.4	12.03	0.676	28.89	0.02
2/14/21 22:45	2.332	141.1	13	0.5	28.89	0.02
2/14/21 23:00	2.455	140.4	14.77	0.524	28.89	0.02
2/14/21 23:15	2.243	142	12.64	0.675	28.89	0
2/14/21 23:30	2.36	137.7	12.78	0.78	28.89	0.02
2/14/21 23:45	2.301	156.8	13.76	0.603	28.89	0.02
2/15/21 0:00	1.925	163.4	17.84	0.422	28.86	0
2/15/21 0:15	2.001	153.7	13.24	0.323	28.86	0.02
2/15/21 0:30	2.077	141.7	13.66	0.24	28.86	0
2/15/21 0:45	2.191	138.3	11.7	0.367	28.86	0.01
2/15/21 1:00	2.406	127.8	10.77	0.328	28.85	0.01
2/15/21 1:15	2.429	131.4	9.99	0.365	28.85	0.01
2/15/21 1:30	2.306	126.8	10.73	0.046	28.85	0.01
2/15/21 1:45	2.168	126	11.71	-0.137	28.85	0
2/15/21 2:00	2.006	128	10.85	-0.024	28.82	0
2/15/21 2:15	1.972	129.8	11.28	0.168	28.82	0
2/15/21 2:30	1.882	126.1	10.61	0.099	28.82	0.01
2/15/21 2:45	1.761	127.6	10.22	-0.018	28.82	0.01
2/15/21 3:00	1.75	130.1	10.88	-0.018	28.78	0
2/15/21 3:15	1.546	128.3	12.02	-0.193	28.78	0
2/15/21 3:30	1.616	127.7	11.96	-0.342	28.78	0
2/15/21 3:45	1.59	126.9	10.48	-0.296	28.78	0
2/15/21 4:00	1.218	136.6	12.53	-0.147	28.77	0.01
2/15/21 4:15	0.845	128.8	13.57	0.026	28.77	0
2/15/21 4:30	0.843	133	14.32	-0.015	28.77	0
2/15/21 4:45	0.686	129	15.19	-0.123	28.77	0.01



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/15/21 5:00	0.824	127.5	14.91	-0.001	28.73	0
2/15/21 5:15	0.685	138.2	13.51	-0.179	28.73	0
2/15/21 5:30	1.359	131.1	13.45	-0.206	28.73	0
2/15/21 5:45	1.313	128.7	13.19	-0.185	28.73	0
2/15/21 6:00	1.499	129.1	11.29	-0.078	28.73	0
2/15/21 6:15	1.507	134	11.64	0.125	28.73	0
2/15/21 6:30	1.677	130.3	11.56	0.066	28.73	0
2/15/21 6:45	1.39	134.9	12.92	0.036	28.73	0
2/15/21 7:00	1.209	146.9	14.77	0.277	28.73	0
2/15/21 7:15	1.118	147.9	13.07	0.352	28.73	0
2/15/21 7:30	1.068	151	11.48	0.482	28.73	0.02
2/15/21 7:45	1.08	149.6	13.27	0.5	28.73	0.02
2/15/21 8:00	1.082	147.5	11.49	0.599	28.72	0.02
2/15/21 8:15	1.033	150	10.89	0.684	28.72	0.02
2/15/21 8:30	0.884	155.4	11.28	0.727	28.72	0.02
2/15/21 8:45	0.956	149.5	10.54	0.869	28.72	0.02
2/15/21 9:00	1.125	148.9	9.9	1.3	28.76	0.03
2/15/21 9:15	1.743	152.6	9.17	1.575	28.76	0.02
2/15/21 9:30	9.71	144.3	8.25	1.778	28.76	0.02
2/15/21 9:45	9.23	141.6	9.4	2.151	28.76	0.02
2/15/21 10:00	9.46	142.6	9.48	2.216	28.76	0.02
2/15/21 10:15	7.959	142.2	8.97	2.551	28.76	0.02
2/15/21 10:30	8.28	148.6	7.022	2.595	28.76	0.03
2/15/21 10:45	9.87	150.5	7.648	2.573	28.76	0.04
2/15/21 11:00	10.16	150.2	8.26	2.505	28.74	0.04
2/15/21 11:15	9.71	153.4	10.21	2.735	28.74	0.05
2/15/21 11:30	9.08	151.7	7.866	2.945	28.74	0.05
2/15/21 11:45	10.32	154.3	7.624	2.86	28.74	0.04
2/15/21 12:00	9.71	155.8	7.788	2.772	28.75	0.04
2/15/21 12:15	10.1	148.5	7.729	3.132	28.75	0.02
2/15/21 12:30	8.37	154.6	7.942	3.143	28.75	0.02
2/15/21 12:45	7.774	163.4	9.15	3.341	28.75	0.02
2/15/21 13:00	7.494	149.5	7.363	3.401	28.74	0.02
2/15/21 13:15	7.626	155.7	10.46	3.618	28.74	0.04
2/15/21 13:30	7.165	154.8	9.44	3.671	28.74	0
2/15/21 13:45	7.154	151.5	12.45	3.906	28.74	0.01
2/15/21 14:00	5.663	141.7	11.21	4.07	28.74	0.01
2/15/21 14:15	6.221	143.8	10.08	4.235	28.74	0.01
2/15/21 14:30	5.513	140.5	9.24	4.296	28.74	0.01
2/15/21 14:45	6.842	150.2	9.12	4.473	28.74	0
2/15/21 15:00	7.869	164.1	6.817	4.58	28.75	0.01
2/15/21 15:15	8.72	150.6	7.253	4.536	28.75	0
2/15/21 15:30	6.059	139.2	12.74	4.576	28.75	0.01
2/15/21 15:45	2.999	76.7	60.16	4.365	28.75	0.02
2/15/21 16:00	5.55	127.3	16.98	3.984	28.78	0.03
2/15/21 16:15	3.484	107.3	14.86	3.723	28.78	0.01
2/15/21 16:30	4.788	125.5	9.63	3.698	28.78	0.02
2/15/21 16:45	4.687	122.5	7.684	3.715	28.78	0.01
2/15/21 17:00	4.387	124.8	6.397	3.716	28.81	0.03
2/15/21 17:15	3.996	113.4	7.91	3.738	28.81	0.01
2/15/21 17:30	4.867	115.7	8.5	3.945	28.81	0.01
2/15/21 17:45	3.812	96.1	10.32	4.056	28.81	0.01
2/15/21 18:00	3.612	88.6	11.1	4.017	28.84	0.01
2/15/21 18:15	3.967	98.1	7.502	4.092	28.84	0.01
2/15/21 18:30	4.072	90.7	8.76	4.17	28.84	0.01
2/15/21 18:45	3.004	68.64	9.2	4.226	28.84	0.01
2/15/21 19:00	4.956	38.04	16.76	3.966	28.87	0.02
2/15/21 19:15	8.45	19.31	10.46	3.584	28.87	0
2/15/21 19:30	7.442	6.324	11.52	3.459	28.87	0.01
2/15/21 19:45	6.781	9.92	7.957	3.285	28.87	0.01
2/15/21 20:00	8.59	22.26	7.709	3.087	28.92	0.02
2/15/21 20:15	6.589	38.17	11.65	3.019	28.92	0
2/15/21 20:30	3.335	29.91	20.72	3.057	28.92	0
2/15/21 20:45	4.143	20.62	29.97	2.913	28.92	0
2/15/21 21:00	1.821	357.4	46.98	2.958	28.94	0
2/15/21 21:15	5.04	312.3	30.12	2.967	28.94	0
2/15/21 21:30	6.035	340	18.4	2.955	28.94	0
2/15/21 21:45	5.082	327.2	32.78	2.954	28.94	0
2/15/21 22:00	5.212	36.04	24.68	3.064	28.98	0
2/15/21 22:15	2.402	250.6	57.31	2.805	28.98	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/15/21 22:30	3.004	152.6	30.6	2.614	28.98	0.01
2/15/21 22:45	3.375	170	10	2.558	28.98	0.01
2/15/21 23:00	2.687	175.9	12.28	2.539	29.03	0.01
2/15/21 23:15	3.246	205.7	6.333	2.472	29.03	0.01
2/15/21 23:30	2.176	195.8	13.91	2.409	29.03	0.01
2/15/21 23:45	1.077	199.6	14.81	2.391	29.03	0.01
2/16/21 0:00	0	0	0	2.341	29.07	0
2/16/21 0:15	1.642	90.6	10.39	2.327	29.07	0.01
2/16/21 0:30	2.728	98.3	9.23	2.271	29.07	0
2/16/21 0:45	3.583	98.8	7.742	2.275	29.07	0
2/16/21 1:00	3.621	111.1	8.71	2.357	29.1	0
2/16/21 1:15	3.959	109.9	5.895	2.436	29.1	0
2/16/21 1:30	5.566	106.5	6.752	2.327	29.1	0
2/16/21 1:45	4.976	111.4	8.45	2.232	29.1	0.01
2/16/21 2:00	4.473	102.6	7.073	2.198	29.11	0
2/16/21 2:15	5.345	119.3	11.47	2.173	29.11	0
2/16/21 2:30	6.267	136.2	6.481	2.179	29.11	0.01
2/16/21 2:45	4.375	128.7	6.726	2.251	29.11	0
2/16/21 3:00	5.009	132.9	5.903	2.337	29.11	0
2/16/21 3:15	4.739	129.6	8.37	2.45	29.11	0
2/16/21 3:30	4.335	121.7	12.36	2.482	29.11	0
2/16/21 3:45	4.176	115	10.42	2.527	29.11	0
2/16/21 4:00	3.377	125.5	13.32	2.516	29.11	0
2/16/21 4:15	3.1	137.3	17.53	2.665	29.11	0
2/16/21 4:30	2.74	134.3	12.07	2.78	29.11	0
2/16/21 4:45	2.554	144.8	17.14	2.803	29.11	0
2/16/21 5:00	2.988	154.2	13.62	2.896	29.11	0
2/16/21 5:15	6.483	173.8	11.21	3.229	29.11	0
2/16/21 5:30	6.175	178.5	9.56	3.281	29.11	0
2/16/21 5:45	5.778	185	9.45	3.301	29.11	0.01
2/16/21 6:00	5.788	197.2	7.689	3.307	29.12	0
2/16/21 6:15	5.704	183.6	7.784	3.424	29.12	0
2/16/21 6:30	4.713	205.4	14.83	3.414	29.12	0
2/16/21 6:45	4.248	210.1	10.57	3.466	29.12	0.01
2/16/21 7:00	4.276	194	11.48	3.521	29.14	0
2/16/21 7:15	4.059	194.6	14.44	3.48	29.14	0
2/16/21 7:30	4.283	181.3	13.1	3.549	29.14	0
2/16/21 7:45	4.584	179.3	10.98	3.515	29.14	0
2/16/21 8:00	4.772	171.9	8.4	3.546	29.17	0
2/16/21 8:15	4.245	171.1	14.21	3.567	29.17	0
2/16/21 8:30	2.913	169	12.19	3.553	29.17	0
2/16/21 8:45	2.572	175.9	15.46	3.592	29.17	0
2/16/21 9:00	4.526	154.2	10.71	3.59	29.2	0.01
2/16/21 9:15	3.505	159.8	19.47	3.758	29.2	0
2/16/21 9:30	2.593	160.7	35.25	3.867	29.2	0
2/16/21 9:45	2.111	81.1	24.95	3.744	29.2	0
2/16/21 10:00	2.036	97.6	11.57	3.842	29.22	0
2/16/21 10:15	3.332	121.3	11.95	3.958	29.22	0
2/16/21 10:30	3.732	126.6	13.85	4.06	29.22	0
2/16/21 10:45	1.728	113.8	22.71	4.153	29.22	0
2/16/21 11:00	3.398	128.3	22.79	4.192	29.24	0
2/16/21 11:15	4.024	133.1	15.89	4.376	29.24	0
2/16/21 11:30	2.647	84	33.27	4.393	29.24	0
2/16/21 11:45	1.963	86.1	13.14	4.374	29.24	0
2/16/21 12:00	2.252	105.2	19.78	4.568	29.24	0
2/16/21 12:15	0.741	61.86	23.05	4.779	29.24	0
2/16/21 12:30	3.2	133	26.15	5.109	29.24	0
2/16/21 12:45	2.903	117.2	43.01	5.404	29.24	0
2/16/21 13:00	2.815	101.5	24.01	5.03	29.25	0
2/16/21 13:15	1.277	95.7	27.73	5.103	29.25	0
2/16/21 13:30	1.198	69.96	18.24	5.296	29.25	0
2/16/21 13:45	2.339	69.07	12.41	5.357	29.25	0
2/16/21 14:00	4.289	83.1	17.51	5.439	29.23	0
2/16/21 14:15	3.673	63.64	13.37	5.693	29.23	0
2/16/21 14:30	3.001	73.59	11.52	5.831	29.23	0
2/16/21 14:45	3.676	75.04	8.54	6.012	29.23	0
2/16/21 15:00	4.016	79.59	9.57	6.119	29.25	0
2/16/21 15:15	3.513	91.1	12.35	6.243	29.25	0
2/16/21 15:30	2.158	60.87	18.89	6.138	29.25	0
2/16/21 15:45	3.561	103.2	20.99	6.069	29.25	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/16/21 16:00	1.616	27.64	42.27	6.095	29.26	0
2/16/21 16:15	1.566	28.91	10.59	6.096	29.26	0.01
2/16/21 16:30	3.419	83.3	7.479	6.29	29.26	0
2/16/21 16:45	2.876	84.2	10.71	6.397	29.26	0
2/16/21 17:00	3.004	85	8.2	6.343	29.23	0
2/16/21 17:15	4.053	107.1	8.96	6.453	29.23	0
2/16/21 17:30	4.06	138.8	28.79	6.443	29.23	0
2/16/21 17:45	9.28	181.8	9.85	6.259	29.23	0
2/16/21 18:00	8.22	184.8	6.878	6.02	29.25	0
2/16/21 18:15	6.565	163.9	13.41	5.8	29.25	0
2/16/21 18:30	4.617	166.7	11.82	5.63	29.25	0
2/16/21 18:45	4.564	169.7	13.21	5.387	29.25	0
2/16/21 19:00	7.134	182.6	8.56	5.131	29.24	0
2/16/21 19:15	6.853	188.2	11.46	5.057	29.24	0
2/16/21 19:30	6.394	205.7	13.92	5.125	29.24	0
2/16/21 19:45	6.212	205.3	9.83	5.073	29.24	0
2/16/21 20:00	3.938	193.5	18.6	4.846	29.27	0
2/16/21 20:15	1.41	194.4	13.19	4.798	29.27	0
2/16/21 20:30	0.864	172.6	75.75	4.788	29.27	0
2/16/21 20:45	2.701	168.8	28.3	4.756	29.27	0
2/16/21 21:00	5.119	185.8	14.42	4.674	29.3	0
2/16/21 21:15	2.185	86.2	39.27	4.357	29.3	0
2/16/21 21:30	5.216	83.3	11.29	4.3	29.3	0
2/16/21 21:45	5.91	109.9	15.52	4.536	29.3	0
2/16/21 22:00	6.677	137.6	7.184	4.532	29.31	0
2/16/21 22:15	6.688	141.4	7.609	4.405	29.31	0
2/16/21 22:30	7.194	158.4	12.26	4.409	29.31	0
2/16/21 22:45	6.204	157.6	13.29	4.389	29.31	0
2/16/21 23:00	5.594	166	10.95	4.362	29.31	0
2/16/21 23:15	4.745	143.6	27.35	4.268	29.31	0
2/16/21 23:30	2.493	92.2	18.69	3.854	29.31	0
2/16/21 23:45	2.877	104.1	16.23	3.899	29.31	0
2/17/21 0:00	3.019	127.3	25.12	3.966	29.32	0
2/17/21 0:15	5.826	163.7	6.879	4.214	29.32	0
2/17/21 0:30	4.055	155	9.14	4.076	29.32	0
2/17/21 0:45	0.902	124.1	32.32	3.986	29.32	0
2/17/21 1:00	2.948	143	18.18	3.961	29.36	0.01
2/17/21 1:15	3.822	117	15.31	3.602	29.36	0
2/17/21 1:30	2.281	119.5	41.24	3.539	29.36	0
2/17/21 1:45	2.349	83	33.89	3.653	29.36	0
2/17/21 2:00	1.856	89.7	19.62	3.448	29.37	0
2/17/21 2:15	2.737	161.3	17.45	3.628	29.37	0
2/17/21 2:30	4.495	72.56	65.59	3.432	29.37	0.02
2/17/21 2:45	1.495	56.02	15.69	3.04	29.37	0
2/17/21 3:00	1.755	72.36	9.57	3.208	29.4	0
2/17/21 3:15	1.968	65.31	22.42	3.268	29.4	0
2/17/21 3:30	2.319	41.28	30.33	3.118	29.4	0
2/17/21 3:45	2.13	69.96	26.8	2.976	29.4	0
2/17/21 4:00	1.934	112.7	15.02	3.076	29.4	0
2/17/21 4:15	1.764	11.74	34.56	3.203	29.4	0
2/17/21 4:30	1.022	143.7	14.97	3.463	29.4	0
2/17/21 4:45	2.162	49.5	45.26	3.192	29.4	0
2/17/21 5:00	1.977	42.47	19.3	2.745	29.42	0
2/17/21 5:15	2.487	60.14	7.082	2.753	29.42	0
2/17/21 5:30	0.916	50.92	13.68	3.137	29.42	0
2/17/21 5:45	0.777	245.1	43.2	3.374	29.42	0
2/17/21 6:00	0.977	96.1	38.55	3.441	29.44	0
2/17/21 6:15	5.532	5.765	21.93	2.618	29.44	0
2/17/21 6:30	2.51	35.15	28.97	2.444	29.44	0
2/17/21 6:45	1.268	39.38	5.26	2.888	29.44	0
2/17/21 7:00	3.088	31.92	9.36	2.464	29.44	0
2/17/21 7:15	5.392	27.72	8.66	2.109	29.44	0
2/17/21 7:30	4.832	33.47	12.12	1.92	29.44	0
2/17/21 7:45	7.133	21.87	10.42	2.275	29.44	0
2/17/21 8:00	6.209	31.39	14.4	2.196	29.46	0
2/17/21 8:15	5.652	17.56	25.98	2.043	29.46	0
2/17/21 8:30	4.485	4.195	18.05	1.906	29.46	0
2/17/21 8:45	2.791	339.3	23.35	2.329	29.46	0
2/17/21 9:00	3.65	301.3	17.91	2.638	29.49	0
2/17/21 9:15	4.129	327.4	27.39	2.851	29.49	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/17/21 9:30	3.109	342.9	19.35	2.719	29.49	0
2/17/21 9:45	3.479	13.66	17.5	2.673	29.49	0
2/17/21 10:00	6.03	3.858	11.69	2.71	29.5	0
2/17/21 10:15	5.195	15.53	9.83	3.355	29.5	0
2/17/21 10:30	4.188	21.18	13.08	4.175	29.5	0
2/17/21 10:45	5.15	11.63	9.61	4.432	29.5	0
2/17/21 11:00	6.264	5.139	13.12	4.558	29.52	0
2/17/21 11:15	6.685	0.85	13.69	4.734	29.52	0
2/17/21 11:30	6.991	3.681	14.21	4.838	29.52	0
2/17/21 11:45	5.636	11.39	14.53	5.582	29.52	0
2/17/21 12:00	7.728	20.71	15.7	5.9	29.51	0
2/17/21 12:15	7.349	9.54	14.04	5.952	29.51	0
2/17/21 12:30	5.361	7.473	18.69	6.355	29.51	0
2/17/21 12:45	5.638	354.9	28.54	6.35	29.51	0
2/17/21 13:00	5.272	8.17	12.27	5.93	29.51	0
2/17/21 13:15	3.076	8.45	13.97	6.032	29.51	0
2/17/21 13:30	1.406	15.64	15.32	6.209	29.51	0
2/17/21 13:45	1.462	243.8	26.17	6.77	29.51	0
2/17/21 14:00	3.435	285.1	20.02	6.69	29.5	0
2/17/21 14:15	2.99	295.1	22.78	7.326	29.5	0
2/17/21 14:30	4.135	287.4	13.41	6.545	29.5	0
2/17/21 14:45	2.004	290.5	47.95	7.338	29.5	0
2/17/21 15:00	5.123	262.6	36.79	7.468	29.52	0
2/17/21 15:15	4.857	316.1	64.69	7.349	29.52	0
2/17/21 15:30	6.872	21.01	12.77	6.745	29.52	0
2/17/21 15:45	4.938	9.84	10.89	6.69	29.52	0
2/17/21 16:00	4.488	10.85	12.32	6.558	29.51	0
2/17/21 16:15	6.005	8.82	10.3	6.128	29.51	0
2/17/21 16:30	6.237	8.42	11.22	5.95	29.51	0
2/17/21 16:45	5.818	6.736	14.72	5.774	29.51	0
2/17/21 17:00	4.432	6.182	11.02	5.53	29.51	0
2/17/21 17:15	4.615	10.23	8.68	5.168	29.51	0
2/17/21 17:30	4.263	11.25	7.002	4.805	29.51	0
2/17/21 17:45	3.257	19.27	10.71	4.677	29.51	0
2/17/21 18:00	3.921	23.07	7.037	4.503	29.49	0
2/17/21 18:15	3.629	24.81	7.909	4.357	29.49	0
2/17/21 18:30	3.673	27.67	12.78	3.771	29.49	0
2/17/21 18:45	4.129	43.14	4.584	3.818	29.49	0
2/17/21 19:00	3.801	54.57	12	3.802	29.5	0
2/17/21 19:15	2.743	82.3	10.44	3.136	29.5	0
2/17/21 19:30	2.01	75.04	2.235	3.182	29.5	0
2/17/21 19:45	1.294	64.96	11.52	3.484	29.5	0
2/17/21 20:00	1.721	37.54	12.07	2.806	29.49	0
2/17/21 20:15	0.727	60.47	55.54	2.804	29.49	0
2/17/21 20:30	1.487	61.45	6.856	2.69	29.49	0
2/17/21 20:45	1.384	71.86	2.58	2.825	29.49	0
2/17/21 21:00	1.826	114.7	28.66	3.139	29.48	0
2/17/21 21:15	2.667	111.8	9.17	2.499	29.48	0
2/17/21 21:30	3.105	127	7.48	2.808	29.48	0
2/17/21 21:45	3.192	144.5	12.08	2.84	29.48	0
2/17/21 22:00	3.93	172.1	18.4	2.072	29.5	0
2/17/21 22:15	3.061	95.8	18.19	1.483	29.5	0
2/17/21 22:30	3.486	102.6	34.42	1.815	29.5	0
2/17/21 22:45	5.022	149.8	8.04	2.252	29.5	0
2/17/21 23:00	3.995	119.8	14.49	2.235	29.5	0
2/17/21 23:15	3.062	104.8	14.77	2.362	29.5	0
2/17/21 23:30	3.802	67.96	10.23	1.439	29.5	0
2/17/21 23:45	5.358	104.2	15.74	2.165	29.5	0
2/18/21 0:00	5.415	119.9	6.537	2.685	29.48	0
2/18/21 0:15	5.684	134.8	9.65	2.991	29.48	0
2/18/21 0:30	5.762	148	14.85	3.025	29.48	0
2/18/21 0:45	4.784	119.2	16.31	2.784	29.48	0
2/18/21 1:00	7.162	115.8	10.82	2.98	29.44	0
2/18/21 1:15	7.433	106.8	10.58	3.037	29.44	0
2/18/21 1:30	8.13	101.9	10.24	3.13	29.44	0
2/18/21 1:45	8.23	114.5	11.9	3.612	29.44	0
2/18/21 2:00	8.32	117.1	10.06	3.536	29.41	0
2/18/21 2:15	9.93	115.2	11.64	3.62	29.41	0
2/18/21 2:30	10.86	122	10.88	3.962	29.41	0
2/18/21 2:45	9.4	106	13.78	3.803	29.41	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/18/21 3:00	8.65	101.2	14.13	3.514	29.39	0
2/18/21 3:15	8.57	113.5	11.28	4.154	29.39	0
2/18/21 3:30	7.84	100	13.56	3.879	29.39	0
2/18/21 3:45	7.412	99.7	14.8	3.712	29.39	0
2/18/21 4:00	11.91	113.3	12.21	4.296	29.35	0
2/18/21 4:15	10.35	106.5	15.11	4.319	29.35	0
2/18/21 4:30	9.93	112.1	12.98	4.215	29.35	0
2/18/21 4:45	7.346	101.6	15.22	3.999	29.35	0
2/18/21 5:00	8.64	102.8	17.64	4.107	29.32	0
2/18/21 5:15	10.23	97.4	15.82	4.117	29.32	0
2/18/21 5:30	10.44	88.6	11.72	4.057	29.32	0
2/18/21 5:45	10.63	127.9	13.45	4.691	29.32	0
2/18/21 6:00	12.03	125	13.6	4.952	29.31	0
2/18/21 6:15	7.599	101.8	21.25	4.748	29.31	0
2/18/21 6:30	12.12	113.6	14.45	5.097	29.31	0
2/18/21 6:45	13.18	114.8	12.18	5.058	29.31	0
2/18/21 7:00	13.2	110.1	11.71	5.025	29.31	0
2/18/21 7:15	13.09	120.9	11.13	5.103	29.31	0
2/18/21 7:30	15.07	110	11.83	5.134	29.31	0
2/18/21 7:45	13.7	107.5	11.9	5.071	29.31	0
2/18/21 8:00	14.7	118.5	10.31	5.262	29.26	0
2/18/21 8:15	15.55	122.1	12.12	5.37	29.26	0
2/18/21 8:30	15.16	123.7	10.87	5.41	29.26	0
2/18/21 8:45	16.32	120.9	11.53	5.462	29.26	0
2/18/21 9:00	16.64	116.6	11.94	5.504	29.25	0
2/18/21 9:15	15.91	111.8	11.5	5.621	29.25	0
2/18/21 9:30	17.04	122.3	11.64	5.792	29.25	0
2/18/21 9:45	16.43	119.2	14.25	5.916	29.25	0
2/18/21 10:00	15.77	149	26.64	5.968	29.29	0
2/18/21 10:15	12.45	132.7	18.19	5.978	29.29	0
2/18/21 10:30	11.74	131.8	9.98	6.059	29.29	0
2/18/21 10:45	9.24	136.7	10.62	6.02	29.29	0
2/18/21 11:00	8.25	106.8	16.72	5.778	29.26	0
2/18/21 11:15	11.5	96.1	13.78	5.568	29.26	0
2/18/21 11:30	12.47	94.5	13.21	5.55	29.26	0
2/18/21 11:45	12.4	85.6	13.66	5.628	29.26	0
2/18/21 12:00	10.88	88.3	13.69	5.871	29.22	0
2/18/21 12:15	11.12	98.2	16.75	6.154	29.22	0
2/18/21 12:30	10.63	115.4	13.02	6.179	29.22	0
2/18/21 12:45	11.82	113.7	10.59	6.026	29.22	0
2/18/21 13:00	12.98	111	11.85	5.911	29.22	0
2/18/21 13:15	13.48	113.1	10.76	5.815	29.22	0
2/18/21 13:30	12.84	111.7	10.72	5.894	29.22	0
2/18/21 13:45	14.11	113.5	11.94	5.698	29.22	0
2/18/21 14:00	13.28	118.6	12.58	5.566	29.17	0
2/18/21 14:15	14.05	119.6	10.96	5.369	29.17	0
2/18/21 14:30	14.07	117.9	11.87	5.351	29.17	0
2/18/21 14:45	13.39	114.7	11.19	5.156	29.17	0
2/18/21 15:00	15.13	111.4	12.11	4.852	29.16	0
2/18/21 15:15	16.63	113.5	10.1	4.601	29.16	0
2/18/21 15:30	15.96	109.7	12.33	4.514	29.16	0
2/18/21 15:45	16.14	108.6	13.24	4.261	29.16	0.01
2/18/21 16:00	16.75	110.9	11.67	4.098	29.14	0
2/18/21 16:15	16.24	109.8	10.48	4.041	29.14	0
2/18/21 16:30	15.76	111.1	11.71	3.955	29.14	0
2/18/21 16:45	14.54	106.2	13.65	3.583	29.14	0.01
2/18/21 17:00	15.45	109.3	10.66	3.202	29.13	0.02
2/18/21 17:15	14.57	109.5	11.49	2.86	29.13	0
2/18/21 17:30	16.71	114.4	11.08	2.785	29.13	0
2/18/21 17:45	18.7	112.3	9.17	2.546	29.13	0.01
2/18/21 18:00	16.81	114.3	10.99	2.371	29.13	0
2/18/21 18:15	16.73	113.8	9.55	2.348	29.13	0
2/18/21 18:30	15.21	112	11.18	2.416	29.13	0
2/18/21 18:45	13.92	116.3	10.03	2.483	29.13	0
2/18/21 19:00	11.98	115.5	11.43	2.491	29.15	0
2/18/21 19:15	13.47	110.3	10.23	2.663	29.15	0
2/18/21 19:30	12.9	115.3	9.47	2.934	29.15	0
2/18/21 19:45	10.44	129.2	10.6	2.94	29.15	0
2/18/21 20:00	9.86	129.2	10.45	2.924	29.16	0
2/18/21 20:15	8.68	135.2	11.33	3.078	29.16	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/18/21 20:30	8.32	127.4	13.6	3.176	29.16	0
2/18/21 20:45	8.06	123.9	14.66	3.396	29.16	0
2/18/21 21:00	8.91	113.5	9.29	3.778	29.16	0
2/18/21 21:15	9.15	114.1	10.39	3.824	29.16	0
2/18/21 21:30	9.06	118.8	9.08	4.125	29.16	0
2/18/21 21:45	8.13	126.9	9.79	4.272	29.16	0
2/18/21 22:00	8.63	127.7	10.79	4.261	29.16	0
2/18/21 22:15	7.791	111	12.09	4.359	29.16	0
2/18/21 22:30	5.366	110.8	15.82	4.39	29.16	0
2/18/21 22:45	5.74	127.3	9.53	4.252	29.16	0.01
2/18/21 23:00	5.164	137	25.98	4.51	29.16	0
2/18/21 23:15	10.22	167.2	14	5.421	29.16	0
2/18/21 23:30	10.88	173	9.79	5.739	29.16	0
2/18/21 23:45	10.89	169.8	7.781	5.794	29.16	0
2/19/21 0:00	11.08	170	9.46	5.848	29.18	0
2/19/21 0:15	9.58	164.7	10.25	5.879	29.18	0
2/19/21 0:30	10.59	165.2	8.39	5.93	29.18	0
2/19/21 0:45	11.22	176.9	9.95	5.892	29.18	0
2/19/21 1:00	10.82	178.6	9.4	5.856	29.21	0
2/19/21 1:15	10.95	184.5	10.04	5.891	29.21	0
2/19/21 1:30	12.56	195.7	11.49	5.771	29.21	0.01
2/19/21 1:45	13.59	181.7	9.74	5.505	29.21	0.01
2/19/21 2:00	11.86	169.2	9.14	5.257	29.19	0
2/19/21 2:15	8.7	163	10.93	4.966	29.19	0
2/19/21 2:30	7.725	156.7	9.94	4.814	29.19	0
2/19/21 2:45	7.805	149.1	11.78	4.813	29.19	0
2/19/21 3:00	9.18	150.9	10.01	4.852	29.21	0
2/19/21 3:15	9.65	154.8	12.03	4.957	29.21	0
2/19/21 3:30	9.87	161.4	11.53	5.011	29.21	0
2/19/21 3:45	9.31	160.4	11.49	4.963	29.21	0
2/19/21 4:00	10.26	155.6	8.55	4.965	29.24	0
2/19/21 4:15	11.07	157.7	7.855	4.886	29.24	0
2/19/21 4:30	10.23	159.9	9.31	4.809	29.24	0
2/19/21 4:45	10.29	163.8	8.58	4.789	29.24	0
2/19/21 5:00	10.7	155.5	9.99	4.735	29.24	0
2/19/21 5:15	7.599	137	13.46	4.636	29.24	0
2/19/21 5:30	8.27	127.5	9.65	4.635	29.24	0
2/19/21 5:45	8.05	119.2	9.51	4.627	29.24	0
2/19/21 6:00	7.219	127.9	11.46	4.578	29.24	0
2/19/21 6:15	6.907	119.4	8.7	4.567	29.24	0
2/19/21 6:30	5.938	117.9	9.11	4.46	29.24	0
2/19/21 6:45	6.704	132	7.997	4.285	29.24	0
2/19/21 7:00	6.205	140.8	7.578	4.165	29.26	0
2/19/21 7:15	8.1	140.9	9.98	4.217	29.26	0.01
2/19/21 7:30	8.21	140.8	8.65	4.09	29.26	0
2/19/21 7:45	9.17	152	10	4.144	29.26	0
2/19/21 8:00	9.72	151.2	9.88	4.039	29.28	0
2/19/21 8:15	11.46	145.2	9.19	3.895	29.28	0
2/19/21 8:30	10.34	132.3	8.57	3.729	29.28	0
2/19/21 8:45	9.64	129.5	9.12	3.826	29.28	0
2/19/21 9:00	9.88	131.3	9.59	3.905	29.3	0
2/19/21 9:15	7.147	116.9	10.79	4.186	29.3	0
2/19/21 9:30	7.204	125	14.68	4.37	29.3	0
2/19/21 9:45	8.56	142	8.81	4.628	29.3	0
2/19/21 10:00	7.844	149.7	14.09	4.834	29.3	0
2/19/21 10:15	7.628	158	11.85	5.359	29.3	0
2/19/21 10:30	10.44	163.3	8.35	5.29	29.3	0
2/19/21 10:45	11.57	167.1	10.59	5.472	29.3	0
2/19/21 11:00	10.36	170.5	10.39	5.679	29.29	0
2/19/21 11:15	10.2	172.5	14.27	5.807	29.29	0
2/19/21 11:30	9.24	179.1	10.91	5.832	29.29	0
2/19/21 11:45	8.81	182.1	10.42	6.097	29.29	0
2/19/21 12:00	7.667	178.7	17.16	6.395	29.27	0
2/19/21 12:15	8.26	184.9	22.7	6.494	29.27	0
2/19/21 12:30	12.24	181.6	13.06	6.589	29.27	0
2/19/21 12:45	8.08	181.5	18.65	6.756	29.27	0
2/19/21 13:00	9.24	177	10.66	6.938	29.26	0
2/19/21 13:15	10.66	181.4	11.66	6.873	29.26	0
2/19/21 13:30	10.21	182.9	10.76	6.921	29.26	0
2/19/21 13:45	7.651	192.9	15.37	7.139	29.26	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/19/21 14:00	6.117	199.8	12.75	7.204	29.25	0
2/19/21 14:15	7.059	215.6	11.3	7.313	29.25	0
2/19/21 14:30	8.65	207.2	18.9	7.671	29.25	0
2/19/21 14:45	9.5	196.1	17.08	7.793	29.25	0
2/19/21 15:00	9.83	192.8	12.69	7.875	29.22	0
2/19/21 15:15	11.68	200.7	10.33	7.686	29.22	0
2/19/21 15:30	8.47	199	10.06	7.615	29.22	0
2/19/21 15:45	8.23	222.7	10.67	7.515	29.22	0
2/19/21 16:00	14.11	261.8	10.9	5.552	29.21	0.01
2/19/21 16:15	11.31	263.2	9.18	4.419	29.21	0.01
2/19/21 16:30	8.04	269.3	10.61	4.314	29.21	0
2/19/21 16:45	5.949	247	10.71	4.223	29.21	0
2/19/21 17:00	5.435	255	18.27	4.18	29.23	0
2/19/21 17:15	3.363	273.3	20.3	4.103	29.23	0.01
2/19/21 17:30	1.682	347.7	73.22	4.019	29.23	0
2/19/21 17:45	1.292	94.8	28.6	3.897	29.23	0.01
2/19/21 18:00	1.357	50.67	12.01	3.826	29.21	0.01
2/19/21 18:15	3.076	123.1	29.42	3.763	29.21	0
2/19/21 18:30	1.825	125.1	19.83	3.904	29.21	0.01
2/19/21 18:45	3.766	176.2	13.58	3.875	29.21	0.01
2/19/21 19:00	6.603	181.4	16.92	3.885	29.22	0.03
2/19/21 19:15	8.36	166.4	10.83	3.689	29.22	0.02
2/19/21 19:30	7.583	167	10.16	3.544	29.22	0.01
2/19/21 19:45	5.919	142.4	9.39	3.407	29.22	0.02
2/19/21 20:00	6.794	130.2	7.712	3.351	29.21	0
2/19/21 20:15	5.501	110.9	10.14	3.327	29.21	0
2/19/21 20:30	5.451	111.4	7.322	3.284	29.21	0
2/19/21 20:45	5.701	114.2	9.75	3.238	29.21	0.01
2/19/21 21:00	6.596	120.9	8.57	3.164	29.22	0
2/19/21 21:15	6.299	117.7	9.09	3.053	29.22	0
2/19/21 21:30	5.591	103.4	8.8	2.95	29.22	0
2/19/21 21:45	5.615	105.7	9.71	2.835	29.22	0
2/19/21 22:00	6.435	98.9	10.13	2.767	29.23	0
2/19/21 22:15	5.539	108.2	8.33	2.823	29.23	0
2/19/21 22:30	4.351	118.7	11.78	2.884	29.23	0.01
2/19/21 22:45	3.11	120.5	12.72	2.969	29.23	0
2/19/21 23:00	3.67	112.9	11.38	2.99	29.24	0
2/19/21 23:15	3.859	130.6	6.812	3.063	29.24	0
2/19/21 23:30	3.43	123.8	6.943	3.083	29.24	0
2/19/21 23:45	3.649	125.2	6.53	3.184	29.24	0
2/20/21 0:00	2.81	137.7	14.3	3.202	29.25	0
2/20/21 0:15	3.425	144.3	28.07	3.185	29.25	0
2/20/21 0:30	4.142	151.7	16.99	3.242	29.25	0
2/20/21 0:45	3.854	153.7	11.42	3.03	29.25	0
2/20/21 1:00	3.359	143.5	16.79	3.117	29.27	0
2/20/21 1:15	1.985	138.7	26.7	3.109	29.27	0
2/20/21 1:30	2.772	155.1	8.47	3.05	29.27	0
2/20/21 1:45	2.917	158.5	9.01	3.041	29.27	0
2/20/21 2:00	2.706	140.7	11.35	3.033	29.28	0
2/20/21 2:15	1.862	147.1	15.93	3.061	29.28	0
2/20/21 2:30	0.692	109.8	27.63	3.029	29.28	0
2/20/21 2:45	2.306	126.9	17.37	2.934	29.28	0
2/20/21 3:00	3.109	143.1	12.5	3.027	29.28	0.01
2/20/21 3:15	4.755	171.3	9.95	3.203	29.28	0
2/20/21 3:30	4.998	168.6	9.19	3.243	29.28	0
2/20/21 3:45	5.208	171.4	8.62	3.245	29.28	0
2/20/21 4:00	4.747	169.2	10.59	3.284	29.3	0
2/20/21 4:15	5.208	175.1	11.43	3.301	29.3	0
2/20/21 4:30	4.932	189.6	10.3	3.337	29.3	0
2/20/21 4:45	5.262	182.9	7.644	3.358	29.3	0
2/20/21 5:00	4.838	176.2	12.1	3.364	29.31	0
2/20/21 5:15	5.222	187	10.37	3.365	29.31	0
2/20/21 5:30	4.377	185.3	7.905	3.374	29.31	0
2/20/21 5:45	3.676	177.1	10.51	3.376	29.31	0
2/20/21 6:00	2.588	150.1	25.18	3.35	29.33	0.01
2/20/21 6:15	3.099	189.9	12.58	3.386	29.33	0
2/20/21 6:30	2.503	209	15.82	3.399	29.33	0
2/20/21 6:45	1.613	184.4	16.14	3.39	29.33	0
2/20/21 7:00	2.791	205.2	16.96	3.407	29.36	0
2/20/21 7:15	4.901	251.6	14.35	3.389	29.36	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/20/21 7:30	4.238	259.5	9.46	3.338	29.36	0
2/20/21 7:45	1.233	179.3	72.39	3.305	29.36	0.01
2/20/21 8:00	1.816	68.41	28.46	3.316	29.38	0
2/20/21 8:15	1.583	55.65	14.64	3.322	29.38	0
2/20/21 8:30	3.336	112.2	19.88	3.268	29.38	0
2/20/21 8:45	5.136	178.4	16.96	3.404	29.38	0.01
2/20/21 9:00	6.427	184	7.183	3.512	29.39	0
2/20/21 9:15	6.391	179.8	8.33	3.572	29.39	0
2/20/21 9:30	4.89	168.8	11.35	3.676	29.39	0.01
2/20/21 9:45	5.105	139.6	10.22	3.833	29.39	0
2/20/21 10:00	4.179	138.9	14.75	3.839	29.42	0
2/20/21 10:15	5.527	186	11.94	3.879	29.42	0
2/20/21 10:30	8.39	186.6	8.58	4.047	29.42	0.01
2/20/21 10:45	9.28	180.8	8.31	4.168	29.42	0
2/20/21 11:00	9.28	174.7	8.51	4.118	29.45	0
2/20/21 11:15	8.76	177	10.03	4.272	29.45	0
2/20/21 11:30	7.308	180.9	12.74	4.192	29.45	0
2/20/21 11:45	6.066	147.4	14.08	4.647	29.45	0
2/20/21 12:00	7.751	164.3	18.66	5.053	29.46	0
2/20/21 12:15	9.38	180.7	17.96	5.435	29.46	0
2/20/21 12:30	9.07	191.8	19.2	6.026	29.46	0
2/20/21 12:45	9.16	193.7	12.07	5.887	29.46	0
2/20/21 13:00	7.496	209.5	14.59	5.977	29.44	0
2/20/21 13:15	5.209	184.2	14.92	6.436	29.44	0
2/20/21 13:30	5.399	218.6	28.42	6.433	29.44	0
2/20/21 13:45	9.66	236.7	9.55	6.527	29.44	0
2/20/21 14:00	12.01	242.1	15.14	6.839	29.45	0
2/20/21 14:15	9.08	237.9	10.23	7.179	29.45	0
2/20/21 14:30	9.83	235.8	12.24	7.302	29.45	0
2/20/21 14:45	17.66	219.9	8.64	7.35	29.45	0
2/20/21 15:00	16.18	227.6	11.63	7.403	29.47	0
2/20/21 15:15	15.13	234	9.56	7.31	29.47	0
2/20/21 15:30	12.68	236.1	12.02	7.156	29.47	0
2/20/21 15:45	13.43	231	9.42	6.869	29.47	0
2/20/21 16:00	12.59	222.2	11.36	6.609	29.5	0
2/20/21 16:15	12.69	218.2	9.98	6.418	29.5	0
2/20/21 16:30	14.65	225.8	9.41	6.296	29.5	0
2/20/21 16:45	14.89	224.5	9.42	6.203	29.5	0
2/20/21 17:00	10.55	210.8	11.22	6.134	29.48	0
2/20/21 17:15	10.33	199.2	10.53	5.979	29.48	0
2/20/21 17:30	10.88	197.1	12.49	5.922	29.48	0
2/20/21 17:45	13.35	203.4	9.33	5.879	29.48	0
2/20/21 18:00	14.09	207.6	12.55	5.659	29.5	0
2/20/21 18:15	17.47	210.7	8.71	5.456	29.5	0
2/20/21 18:30	14.61	214.6	7.659	5.374	29.5	0
2/20/21 18:45	12.47	215.7	10.19	5.169	29.5	0
2/20/21 19:00	10.25	215.8	8.73	4.997	29.51	0
2/20/21 19:15	8.25	183.4	11.67	4.786	29.51	0
2/20/21 19:30	9.31	174.8	8.08	4.696	29.51	0
2/20/21 19:45	9.65	173.9	8.17	4.637	29.51	0
2/20/21 20:00	10.61	181.5	8.44	4.655	29.52	0
2/20/21 20:15	11.07	183.6	8.47	4.645	29.52	0
2/20/21 20:30	11.6	182.3	10.38	4.604	29.52	0
2/20/21 20:45	11.07	181.7	7.814	4.483	29.52	0
2/20/21 21:00	11.02	176.3	8.5	4.484	29.54	0
2/20/21 21:15	10.36	179.6	7.798	4.445	29.54	0
2/20/21 21:30	9.46	172.1	10.77	4.438	29.54	0
2/20/21 21:45	9.57	154.1	7.225	4.305	29.54	0
2/20/21 22:00	9.49	153.3	7.21	4.284	29.54	0
2/20/21 22:15	9.6	155.3	7.205	4.251	29.54	0.01
2/20/21 22:30	9.97	151	6.7	4.093	29.54	0.01
2/20/21 22:45	8.56	148.7	6.867	3.977	29.54	0.01
2/20/21 23:00	8	152.8	7.291	3.945	29.53	0.02
2/20/21 23:15	9.02	154.2	6.544	3.948	29.53	0.02
2/20/21 23:30	10.17	150.1	11.13	3.934	29.53	0.02
2/20/21 23:45	10.34	150.4	6.805	3.882	29.53	0.02
2/21/21 0:00	11.18	153.5	6.935	3.846	29.51	0.02
2/21/21 0:15	11.57	154.4	6.7	3.806	29.51	0.02
2/21/21 0:30	10.41	145.8	6.156	3.751	29.51	0
2/21/21 0:45	10.24	148.1	6.808	3.793	29.51	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/21/21 1:00	9.13	142	8.21	3.793	29.52	0
2/21/21 1:15	9.79	142.1	7.787	3.882	29.52	0.01
2/21/21 1:30	9.55	145.5	8.62	3.992	29.52	0
2/21/21 1:45	8.63	152.3	7.147	3.94	29.52	0
2/21/21 2:00	8.18	149.9	7.777	4.008	29.51	0
2/21/21 2:15	8.64	149.9	7.644	4.125	29.51	0
2/21/21 2:30	10.24	148.7	7.19	4.268	29.51	0
2/21/21 2:45	10.9	152.7	7.528	4.488	29.51	0
2/21/21 3:00	10.79	153	8.04	4.615	29.5	0
2/21/21 3:15	8.09	148.2	10.36	4.69	29.5	0
2/21/21 3:30	7.635	149.4	9.13	4.765	29.5	0
2/21/21 3:45	7.473	145.8	9.3	4.812	29.5	0
2/21/21 4:00	8.27	161.7	10.28	5.041	29.48	0
2/21/21 4:15	9.01	164.3	12.87	5.3	29.48	0
2/21/21 4:30	9.01	170.3	12.33	5.555	29.48	0
2/21/21 4:45	9.56	171.6	11.64	5.752	29.48	0
2/21/21 5:00	9.23	176.2	11.85	5.825	29.47	0
2/21/21 5:15	10.65	171.7	12.85	5.966	29.47	0
2/21/21 5:30	10.18	180.1	13.13	6.116	29.47	0
2/21/21 5:45	11.18	180.3	11.17	6.171	29.47	0
2/21/21 6:00	12.02	185.6	11.09	6.113	29.49	0
2/21/21 6:15	14.35	185.4	9.75	6.102	29.49	0
2/21/21 6:30	14.04	186.6	9.57	5.963	29.49	0
2/21/21 6:45	12.85	189.3	9.3	6.04	29.49	0
2/21/21 7:00	13.48	193.6	9.26	6.099	29.45	0
2/21/21 7:15	16.88	195.5	7.565	6.304	29.45	0
2/21/21 7:30	15.28	191.5	7.996	6.349	29.45	0
2/21/21 7:45	13.83	190.2	7.221	6.432	29.45	0
2/21/21 8:00	14.3	183.5	10.79	6.615	29.49	0
2/21/21 8:15	14.41	186	8.87	6.71	29.49	0
2/21/21 8:30	16.4	185.2	8.4	6.853	29.49	0
2/21/21 8:45	15.82	188.7	7.813	6.958	29.49	0
2/21/21 9:00	14.54	188.6	8.25	7.159	29.47	0
2/21/21 9:15	14.56	195.9	8	7.37	29.47	0
2/21/21 9:30	14.65	196.6	8.24	7.555	29.47	0
2/21/21 9:45	17.91	196.4	8.17	7.578	29.47	0
2/21/21 10:00	14.91	192.9	8.85	7.564	29.48	0
2/21/21 10:15	14.82	195.9	9.75	7.715	29.48	0
2/21/21 10:30	14.92	198.2	7.622	7.746	29.48	0
2/21/21 10:45	17.05	203	8.35	7.955	29.48	0
2/21/21 11:00	15.52	200.6	10.23	8.02	29.51	0
2/21/21 11:15	17.91	195.2	9.24	8.19	29.51	0
2/21/21 11:30	16.18	192.7	9.26	8.29	29.51	0
2/21/21 11:45	16.16	193.5	8.9	8.57	29.51	0
2/21/21 12:00	14.75	195.3	8.89	8.88	29.5	0
2/21/21 12:15	15.99	191.7	10.05	8.96	29.5	0
2/21/21 12:30	14.02	191.8	11.46	9.05	29.5	0
2/21/21 12:45	18.38	198.6	12.05	9.21	29.5	0
2/21/21 13:00	18.78	204.5	8.28	9.07	29.51	0
2/21/21 13:15	18.53	203.1	8.69	8.67	29.51	0
2/21/21 13:30	17.01	197.9	8.2	8.49	29.51	0
2/21/21 13:45	13.55	188.5	8.97	8.24	29.51	0
2/21/21 14:00	14.63	179.9	8.86	8.09	29.5	0
2/21/21 14:15	15.13	176.1	8.3	7.966	29.5	0
2/21/21 14:30	15.05	180.4	9.21	8.06	29.5	0
2/21/21 14:45	15.17	173.5	9.07	8.52	29.5	0
2/21/21 15:00	15.89	184.9	11.39	8.73	29.51	0
2/21/21 15:15	16.77	192.2	8.98	8.85	29.51	0
2/21/21 15:30	18.13	195.3	9.46	8.8	29.51	0
2/21/21 15:45	15.13	194.1	7.59	8.93	29.51	0
2/21/21 16:00	14.46	199.9	7.452	8.71	29.51	0.02
2/21/21 16:15	16.14	189.6	10.51	8.67	29.51	0
2/21/21 16:30	13.42	180	10.79	8.82	29.51	0
2/21/21 16:45	12.44	197.6	8.34	8.88	29.51	0
2/21/21 17:00	16.57	197.5	8.97	9.02	29.5	0
2/21/21 17:15	13.6	193.1	9.34	9.05	29.5	0
2/21/21 17:30	13.52	189.5	9.02	9.25	29.5	0
2/21/21 17:45	14.39	182.1	10.72	9.34	29.5	0
2/21/21 18:00	13.03	177.9	10.61	9.3	29.49	0
2/21/21 18:15	15.03	174.4	10.71	9.39	29.49	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/21/21 18:30	13.76	188.4	10.84	9.39	29.49	0
2/21/21 18:45	14.5	188.7	12.42	9.39	29.49	0
2/21/21 19:00	12.54	184.9	18.33	9.34	29.5	0
2/21/21 19:15	10.63	180.4	15.48	9.31	29.5	0
2/21/21 19:30	13.53	195.3	15.09	9.3	29.5	0
2/21/21 19:45	17.8	202.6	9.23	9.33	29.5	0
2/21/21 20:00	18.25	194.9	9.07	9.3	29.49	0
2/21/21 20:15	18.43	189.3	8.75	9.23	29.49	0
2/21/21 20:30	20.26	197.7	8.39	9.15	29.49	0
2/21/21 20:45	20.24	191.6	9.04	8.73	29.49	0.01
2/21/21 21:00	18.81	183.3	7.672	8.51	29.46	0
2/21/21 21:15	16.78	179.2	8.17	8.3	29.46	0
2/21/21 21:30	14.36	170.7	8.38	8.22	29.46	0.02
2/21/21 21:45	12.32	172.6	9.91	8.13	29.46	0.03
2/21/21 22:00	12.3	169.7	9.11	8.05	29.46	0.04
2/21/21 22:15	11.83	163.7	7.868	8.01	29.46	0.05
2/21/21 22:30	13.21	157.2	6.685	7.899	29.46	0.04
2/21/21 22:45	14.39	159.9	7.117	7.863	29.46	0.03
2/21/21 23:00	14.3	167.3	7.739	7.909	29.44	0.03
2/21/21 23:15	16.25	170.7	8	8.04	29.44	0.02
2/21/21 23:30	15.74	177.1	8.41	8.02	29.44	0.03
2/21/21 23:45	16.45	183.4	9.41	8.12	29.44	0.01
2/22/21 0:00	16.38	181.3	9.74	8.21	29.44	0.02
2/22/21 0:15	16.43	183.9	9.7	8.23	29.44	0.02
2/22/21 0:30	15.68	178.7	9.15	8.24	29.44	0.01
2/22/21 0:45	16.17	179.4	9.32	8.23	29.44	0.01
2/22/21 1:00	18.77	176.2	12.17	8.3	29.41	0.02
2/22/21 1:15	18.2	179.5	10.57	8.27	29.41	0.01
2/22/21 1:30	17.61	184.4	10.21	8.29	29.41	0
2/22/21 1:45	16.67	189.6	10.05	8.2	29.41	0.01
2/22/21 2:00	14.58	190.4	9.75	8.29	29.39	0
2/22/21 2:15	15.63	185.8	9.39	8.26	29.39	0
2/22/21 2:30	17.48	181.7	10.44	8.26	29.39	0
2/22/21 2:45	17.08	194.7	10.42	8.19	29.39	0.01
2/22/21 3:00	13.99	188.7	11.24	8.09	29.4	0.01
2/22/21 3:15	14.29	190.8	10.35	8.12	29.4	0.03
2/22/21 3:30	14.37	192.4	9.36	8.14	29.4	0.01
2/22/21 3:45	13.92	182.8	9.38	8.11	29.4	0.01
2/22/21 4:00	15.68	188.8	9.08	8.16	29.38	0
2/22/21 4:15	14.05	188.9	9.96	8.17	29.38	0.01
2/22/21 4:30	15.89	185.6	8.95	8.23	29.38	0
2/22/21 4:45	13.99	191.2	8.94	8.29	29.38	0
2/22/21 5:00	14.33	183.4	10.45	8.33	29.38	0.01
2/22/21 5:15	14.33	191.2	11.11	8.34	29.38	0.01
2/22/21 5:30	13.51	188	10.94	8.33	29.38	0.01
2/22/21 5:45	14.18	187.5	10.97	8.36	29.38	0
2/22/21 6:00	12.31	187.7	12.48	8.39	29.38	0
2/22/21 6:15	14.03	187.5	11.74	8.41	29.38	0
2/22/21 6:30	14.91	190	10.99	8.51	29.38	0
2/22/21 6:45	14.63	188.6	11.99	8.54	29.38	0
2/22/21 7:00	13.96	190.4	11.51	8.44	29.37	0
2/22/21 7:15	16.12	189.5	10.45	8.47	29.37	0
2/22/21 7:30	16.4	188.5	10	8.42	29.37	0.01
2/22/21 7:45	16.33	186.7	9.26	8.36	29.37	0
2/22/21 8:00	17.96	192.5	9.78	8.37	29.37	0.01
2/22/21 8:15	17.21	194.1	8.45	8.37	29.37	0.01
2/22/21 8:30	17.47	195.1	8.41	8.39	29.37	0.02
2/22/21 8:45	15.95	191.8	8.24	8.35	29.37	0.01
2/22/21 9:00	14.49	196.9	8.46	8.31	29.37	0.03
2/22/21 9:15	17	193.7	9.77	8.33	29.37	0.03
2/22/21 9:30	17.06	198.6	8.53	8.35	29.37	0.03
2/22/21 9:45	16.36	198	9.21	8.34	29.37	0.02
2/22/21 10:00	16.06	195	11.42	8.32	29.37	0.02
2/22/21 10:15	15.65	196.5	8.17	8.32	29.37	0.01
2/22/21 10:30	17.06	194.5	8.83	8.38	29.37	0.01
2/22/21 10:45	15.69	193.2	8.31	8.38	29.37	0.02
2/22/21 11:00	13.61	194.2	9.4	8.35	29.33	0.01
2/22/21 11:15	15.49	191.8	9.9	8.39	29.33	0.02
2/22/21 11:30	15.88	200.5	9.07	8.45	29.33	0.02
2/22/21 11:45	15.92	201.1	8.14	8.47	29.33	0.05

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/22/21 12:00	12.38	209.1	8.25	8.43	29.33	0.03
2/22/21 12:15	14.17	210.2	10.57	8.49	29.33	0.05
2/22/21 12:30	14.41	214.4	7.519	8.54	29.33	0.04
2/22/21 12:45	14.96	205	8.83	8.6	29.33	0.03
2/22/21 13:00	14.51	208.7	9.58	8.69	29.31	0.02
2/22/21 13:15	14.96	204.9	9.25	8.73	29.31	0.01
2/22/21 13:30	16.85	201.4	8.88	8.75	29.31	0.01
2/22/21 13:45	19.08	196.9	8.85	8.69	29.31	0.01
2/22/21 14:00	18.26	200.7	13.54	8.61	29.28	0
2/22/21 14:15	15.56	214	9.75	8.62	29.28	0
2/22/21 14:30	14.5	209.4	10	8.73	29.28	0
2/22/21 14:45	13.16	199.5	10.58	9.16	29.28	0
2/22/21 15:00	14.59	183.3	13.08	8.88	29.28	0
2/22/21 15:15	15.94	198.5	11.08	8.78	29.28	0
2/22/21 15:30	14.83	208	9.02	8.97	29.28	0
2/22/21 15:45	16.02	213.2	10.42	8.89	29.28	0
2/22/21 16:00	20.27	216.7	9.35	8.91	29.27	0
2/22/21 16:15	17.33	217.6	10.34	9.08	29.27	0
2/22/21 16:30	16.88	221	11.55	9.37	29.27	0
2/22/21 16:45	17.24	217.8	10.19	9.23	29.27	0
2/22/21 17:00	9.85	216.7	14.4	9.02	29.26	0
2/22/21 17:15	11.14	224.3	12.3	8.76	29.26	0
2/22/21 17:30	17.54	225.7	10.75	8.15	29.26	0
2/22/21 17:45	14.98	218.9	8.33	7.75	29.26	0
2/22/21 18:00	12.01	215.4	9.97	7.364	29.29	0
2/22/21 18:15	12.22	220.3	14.46	7.106	29.29	0
2/22/21 18:30	12.17	211.4	13.91	6.968	29.29	0
2/22/21 18:45	10.23	223.8	16.58	6.705	29.29	0
2/22/21 19:00	13.93	223	10.01	6.43	29.32	0
2/22/21 19:15	15.65	217.4	8.02	6.206	29.32	0
2/22/21 19:30	13.74	219.8	10.01	5.968	29.32	0
2/22/21 19:45	15.9	218	9.96	5.818	29.32	0
2/22/21 20:00	12.64	217.8	10.69	5.65	29.37	0
2/22/21 20:15	9.69	212.1	13.51	5.514	29.37	0
2/22/21 20:30	9.21	205.2	11.03	5.37	29.37	0
2/22/21 20:45	10.13	196	12.77	5.084	29.37	0
2/22/21 21:00	9.26	176.8	9.9	4.939	29.38	0
2/22/21 21:15	8.64	182.3	16.72	5.007	29.38	0
2/22/21 21:30	9.37	190.8	9.76	5.009	29.38	0
2/22/21 21:45	10.66	201	7.484	4.953	29.38	0
2/22/21 22:00	12.81	207.2	10.37	4.945	29.41	0
2/22/21 22:15	11.8	214.1	10.58	4.88	29.41	0
2/22/21 22:30	10.81	222.1	11.09	4.862	29.41	0
2/22/21 22:45	8.1	225.4	15.24	4.879	29.41	0
2/22/21 23:00	8.81	214.1	16.64	4.866	29.43	0
2/22/21 23:15	9.95	214.9	11.15	4.818	29.43	0
2/22/21 23:30	7.488	212	14.46	4.793	29.43	0
2/22/21 23:45	7.512	188.7	12.28	4.732	29.43	0
2/23/21 0:00	9.06	203	9.77	4.633	29.43	0
2/23/21 0:15	11.64	205.2	13.31	4.501	29.43	0
2/23/21 0:30	5.382	169.9	16.38	4.34	29.43	0
2/23/21 0:45	5.847	167.7	12.53	4.207	29.43	0
2/23/21 1:00	7.817	176.5	10.13	4.177	29.46	0
2/23/21 1:15	8.22	175.8	10.23	4.123	29.46	0
2/23/21 1:30	6.513	162.8	9.79	4.016	29.46	0
2/23/21 1:45	8.37	172.4	9.52	4.017	29.46	0
2/23/21 2:00	7.554	162.2	9.49	3.902	29.49	0
2/23/21 2:15	7.735	168.3	11.03	3.901	29.49	0
2/23/21 2:30	8.44	180.7	6.798	3.901	29.49	0
2/23/21 2:45	7.334	187.4	9.63	3.734	29.49	0
2/23/21 3:00	7.525	169.1	12.31	3.615	29.48	0
2/23/21 3:15	7.325	147.1	9.68	3.613	29.48	0
2/23/21 3:30	7.502	153.3	9.57	3.579	29.48	0
2/23/21 3:45	7.745	151.8	9.24	3.556	29.48	0
2/23/21 4:00	8.81	182.5	15.46	3.624	29.46	0
2/23/21 4:15	8.09	183.7	10.81	3.712	29.46	0
2/23/21 4:30	8.45	187.9	12.54	3.721	29.46	0
2/23/21 4:45	8.92	196.7	12.39	3.755	29.46	0
2/23/21 5:00	6.637	188.8	14.13	3.725	29.47	0
2/23/21 5:15	7.313	179.1	10.35	3.747	29.47	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/23/21 5:30	7.212	181.5	11.72	3.793	29.47	0
2/23/21 5:45	7.295	169	12.66	3.736	29.47	0
2/23/21 6:00	8.06	173.8	11.73	3.655	29.48	0
2/23/21 6:15	8.88	177.8	8.7	3.607	29.48	0
2/23/21 6:30	9.1	180.2	9.82	3.638	29.48	0
2/23/21 6:45	8.54	187.5	9.39	3.624	29.48	0
2/23/21 7:00	7.22	185.5	11.23	3.662	29.49	0
2/23/21 7:15	8.39	190.7	10.51	3.726	29.49	0
2/23/21 7:30	9.53	197.9	8.48	3.791	29.49	0
2/23/21 7:45	9.19	192.8	10.03	3.804	29.49	0
2/23/21 8:00	9.45	189.9	9.39	3.835	29.49	0
2/23/21 8:15	9.24	185.6	8.04	3.842	29.49	0
2/23/21 8:30	10.13	193.8	9.37	3.918	29.49	0
2/23/21 8:45	10.5	194.2	7.985	3.963	29.49	0
2/23/21 9:00	13.18	201.2	8.5	4.001	29.48	0
2/23/21 9:15	10.63	197.4	9.69	4.044	29.48	0
2/23/21 9:30	10.1	190.4	11.41	4.05	29.48	0
2/23/21 9:45	10.1	193.2	9.98	4.182	29.48	0
2/23/21 10:00	10.8	196.3	8.14	4.346	29.47	0
2/23/21 10:15	10.22	192.9	10.23	4.537	29.47	0
2/23/21 10:30	9.84	203.4	11.52	4.757	29.47	0
2/23/21 10:45	13.54	219.8	11.33	5.11	29.47	0
2/23/21 11:00	14	234.4	11.36	5.448	29.48	0
2/23/21 11:15	15.52	235.5	10.65	5.77	29.48	0
2/23/21 11:30	15.17	230.9	12.4	5.923	29.48	0
2/23/21 11:45	16.86	229.5	10.8	6.196	29.48	0
2/23/21 12:00	15.3	232.9	13.32	6.496	29.44	0
2/23/21 12:15	15.71	230.6	12.08	6.804	29.44	0
2/23/21 12:30	15.48	235.6	15.09	7.205	29.44	0
2/23/21 12:45	19.48	240.3	12.49	6.935	29.44	0
2/23/21 13:00	19.05	235.8	13.13	6.93	29.43	0
2/23/21 13:15	16.53	234.4	13.27	6.76	29.43	0
2/23/21 13:30	15.26	231.1	9.74	6.718	29.43	0
2/23/21 13:45	16.14	225.3	11.05	6.693	29.43	0
2/23/21 14:00	17.11	233.1	12.27	6.403	29.41	0
2/23/21 14:15	17.28	236.9	9.03	6.578	29.41	0
2/23/21 14:30	14.92	236.3	10.45	6.533	29.41	0
2/23/21 14:45	14.67	221.1	10.98	6.226	29.41	0
2/23/21 15:00	11.55	235.7	15.27	6.032	29.42	0
2/23/21 15:15	6.503	336.1	99	5.11	29.42	0
2/23/21 15:30	3.613	27.15	43.21	3.128	29.42	0.01
2/23/21 15:45	4.044	236.4	63.82	3.849	29.42	0.01
2/23/21 16:00	3.484	54.32	83.9	3.771	29.42	0
2/23/21 16:15	3.634	80.1	19.05	3.192	29.42	0
2/23/21 16:30	3.518	148.7	26.81	3.391	29.42	0.01
2/23/21 16:45	6.486	182.1	12.29	3.42	29.42	0.01
2/23/21 17:00	4.199	170.5	21.92	2.929	29.41	0.01
2/23/21 17:15	1.686	74.04	10.01	2.722	29.41	0.01
2/23/21 17:30	1.557	90.5	12.26	2.609	29.41	0
2/23/21 17:45	4.241	173.5	30.9	2.416	29.41	0.02
2/23/21 18:00	4.9	194.6	9.93	2.089	29.42	0.03
2/23/21 18:15	3.008	184.7	18.42	1.781	29.42	0.03
2/23/21 18:30	3.782	206.3	7.187	1.289	29.42	0.03
2/23/21 18:45	3.76	140.9	47.58	0.925	29.42	0.03
2/23/21 19:00	1.898	43.13	18.56	0.693	29.44	0.01
2/23/21 19:15	1.256	138	6.299	0.363	29.44	0
2/23/21 19:30	5.424	145	12.1	0.126	29.44	0
2/23/21 19:45	2.895	149	9.63	0.178	29.44	0
2/23/21 20:00	2.451	85	38.89	0.162	29.48	0.01
2/23/21 20:15	1.899	36.92	62.59	0.08	29.48	0
2/23/21 20:30	1.287	58.37	22.22	0.172	29.48	0
2/23/21 20:45	2.662	90.8	43.66	0.256	29.48	0
2/23/21 21:00	3.393	67.81	70.07	0.651	29.51	0
2/23/21 21:15	10.34	13.22	12.07	1.223	29.51	0
2/23/21 21:30	10.93	8.59	15.07	1.252	29.51	0.01
2/23/21 21:45	7.538	5.321	20.82	1.167	29.51	0
2/23/21 22:00	4.212	334	20.68	1.223	29.53	0
2/23/21 22:15	1.634	9.65	24.68	1.145	29.53	0.01
2/23/21 22:30	1.327	311.7	55.76	1.032	29.53	0
2/23/21 22:45	2.105	243.4	20.06	1.269	29.53	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/23/21 23:00	3.259	243.4	9.39	1.126	29.53	0
2/23/21 23:15	1.965	306.9	44.4	0.83	29.53	0
2/23/21 23:30	4.343	270.1	4.71	0.805	29.53	0
2/23/21 23:45	4.518	275.8	5.529	0.865	29.53	0
2/24/21 0:00	4.337	248.8	14.86	0.874	29.55	0
2/24/21 0:15	1.397	157.6	28.73	0.648	29.55	0
2/24/21 0:30	2.038	99.7	21.17	0.296	29.55	0
2/24/21 0:45	3.394	124	15.46	0.212	29.55	0
2/24/21 1:00	3.937	157.2	6.727	-0.058	29.59	0
2/24/21 1:15	3.728	149.3	8.22	-0.272	29.59	0
2/24/21 1:30	4.059	158.4	11.43	-0.383	29.59	0
2/24/21 1:45	4.008	170.1	10.58	-0.375	29.59	0
2/24/21 2:00	3.968	170.5	8.85	-0.364	29.63	0
2/24/21 2:15	3.296	159.8	14.37	-0.376	29.63	0
2/24/21 2:30	2.344	152	16.31	-0.366	29.63	0
2/24/21 2:45	1.88	67.62	21.02	-0.384	29.63	0
2/24/21 3:00	0.217	42.36	8.16	-0.37	29.63	0
2/24/21 3:15	1.987	121.5	11.78	-0.256	29.63	0
2/24/21 3:30	1.588	89.6	30.13	-0.181	29.63	0
2/24/21 3:45	1.658	114.2	28.97	-0.095	29.63	0
2/24/21 4:00	0.03	137	0.009	-0.032	29.66	0
2/24/21 4:15	1.177	241.4	25.12	0.207	29.66	0
2/24/21 4:30	0.178	279	0.073	0.309	29.66	0
2/24/21 4:45	1.987	355.7	21.64	0.03	29.66	0
2/24/21 5:00	1.33	70.73	18.31	0.128	29.69	0
2/24/21 5:15	0.245	45.08	14.72	0.179	29.69	0
2/24/21 5:30	0.87	25.6	13.75	-0.047	29.69	0
2/24/21 5:45	2.412	139.1	5.535	0.221	29.69	0
2/24/21 6:00	2.286	158.5	28.43	0.261	29.68	0
2/24/21 6:15	4.071	150.9	7.019	0.249	29.68	0
2/24/21 6:30	1.868	134.3	20.57	0.24	29.68	0
2/24/21 6:45	0.72	51.4	28.25	0.241	29.68	0
2/24/21 7:00	1.534	11.66	25.71	0.073	29.69	0
2/24/21 7:15	0.982	14.34	7.539	0.164	29.69	0
2/24/21 7:30	0.102	0.097	0.032	0.329	29.69	0
2/24/21 7:45	0.454	55.52	10.53	1.074	29.69	0
2/24/21 8:00	0.97	90.3	13.35	1.427	29.72	0
2/24/21 8:15	2.096	1.091	13.56	0.715	29.72	0
2/24/21 8:30	2.91	28.93	10.86	0.836	29.72	0
2/24/21 8:45	2.46	29.01	9.92	0.675	29.72	0
2/24/21 9:00	1.495	34.18	9.07	1.399	29.73	0.01
2/24/21 9:15	0.468	26.57	3.933	2.411	29.73	0.01
2/24/21 9:30	1.476	128.3	31.53	2.847	29.73	0.01
2/24/21 9:45	2.435	172	15.1	2.497	29.73	0.01
2/24/21 10:00	2.268	201.5	20.84	3.158	29.75	0.01
2/24/21 10:15	3.019	205.6	21.37	3.358	29.75	0
2/24/21 10:30	4.317	180.8	20.72	3.46	29.75	0.01
2/24/21 10:45	4.47	175	22.4	3.851	29.75	0
2/24/21 11:00	5.703	141.6	22.25	3.857	29.74	0
2/24/21 11:15	6.41	147.1	17.22	4.108	29.74	0
2/24/21 11:30	6.075	146	12.25	4.19	29.74	0
2/24/21 11:45	4.918	127	21.41	4.168	29.74	0
2/24/21 12:00	4.456	127.1	36.05	4.736	29.76	0
2/24/21 12:15	3.411	66.03	28.92	5.023	29.76	0
2/24/21 12:30	4.197	66.96	16.24	4.927	29.76	0
2/24/21 12:45	2.871	55.95	51.58	5.321	29.76	0
2/24/21 13:00	3.074	170.8	44.69	5.595	29.73	0
2/24/21 13:15	2.838	81.6	35.84	5.742	29.73	0
2/24/21 13:30	3.599	125.3	42.27	5.932	29.73	0
2/24/21 13:45	3.481	160.1	54.04	6.399	29.73	0
2/24/21 14:00	3.819	233.6	24.12	6.259	29.72	0
2/24/21 14:15	2.66	211.4	38.9	6.348	29.72	0
2/24/21 14:30	3.38	200.1	52.85	6.535	29.72	0
2/24/21 14:45	4.752	225.6	21.01	6.337	29.72	0
2/24/21 15:00	3.685	269.2	20	6.502	29.72	0
2/24/21 15:15	2.471	264.6	63.32	6.924	29.72	0
2/24/21 15:30	2.778	208.7	22.71	6.725	29.72	0
2/24/21 15:45	1.937	185.5	40.45	6.867	29.72	0
2/24/21 16:00	1.778	191.1	41.32	6.9	29.72	0
2/24/21 16:15	4.583	179.7	18.95	6.656	29.72	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/24/21 16:30	4.426	163.9	16.2	6.431	29.72	0
2/24/21 16:45	3.019	142.5	20.66	6.128	29.72	0
2/24/21 17:00	4.671	130	10.98	5.753	29.69	0
2/24/21 17:15	4.311	129.9	9	5.567	29.69	0
2/24/21 17:30	4.49	133	5.692	5.321	29.69	0
2/24/21 17:45	4.321	123.9	5.59	5.253	29.69	0
2/24/21 18:00	3.9	111.9	11.53	5.03	29.66	0
2/24/21 18:15	3.618	107.3	5.488	4.798	29.66	0
2/24/21 18:30	3.197	112.6	5.677	4.624	29.66	0
2/24/21 18:45	3.961	119.3	3.496	4.516	29.66	0
2/24/21 19:00	3.346	144.3	11.98	4.026	29.64	0
2/24/21 19:15	3.642	140.1	11.88	3.851	29.64	0
2/24/21 19:30	4.928	138.5	11.05	3.597	29.64	0
2/24/21 19:45	5.346	125.8	6.886	3.521	29.64	0
2/24/21 20:00	5.351	142.3	10.54	3.632	29.62	0
2/24/21 20:15	6.028	140.1	7.595	3.723	29.62	0
2/24/21 20:30	5.776	155.2	11.17	3.41	29.62	0
2/24/21 20:45	5.335	146.5	10.2	3.21	29.62	0
2/24/21 21:00	5.618	148.6	7.167	3.334	29.61	0
2/24/21 21:15	4.623	162.9	11.6	3.415	29.61	0
2/24/21 21:30	6.307	146.3	16.99	3.07	29.61	0
2/24/21 21:45	6.931	129	7.237	3.534	29.61	0
2/24/21 22:00	6.535	135.1	9.02	3.719	29.57	0
2/24/21 22:15	5.788	139.1	8.81	3.64	29.57	0
2/24/21 22:30	5.623	142.3	12.74	3.567	29.57	0
2/24/21 22:45	5.554	154.8	12.59	3.492	29.57	0
2/24/21 23:00	4.385	159.4	13.38	3.524	29.53	0
2/24/21 23:15	4.762	160.8	12.62	3.279	29.53	0
2/24/21 23:30	4.751	166.1	14.75	3.243	29.53	0
2/24/21 23:45	5.104	164.7	18.68	3.313	29.53	0
2/25/21 0:00	5.272	152.6	13.06	3.565	29.52	0
2/25/21 0:15	4.5	130.2	11.38	3.612	29.52	0
2/25/21 0:30	4.138	175.4	15.86	3.756	29.52	0
2/25/21 0:45	5.269	178.1	22.95	3.466	29.52	0
2/25/21 1:00	9.49	151.2	15.13	3.77	29.48	0
2/25/21 1:15	12.2	134	8.98	4.072	29.48	0
2/25/21 1:30	11.24	133.7	8.59	4.331	29.48	0
2/25/21 1:45	12.47	148	14.75	4.452	29.48	0
2/25/21 2:00	12.37	175.9	9.02	4.095	29.43	0
2/25/21 2:15	14.77	181.9	9.82	3.837	29.43	0
2/25/21 2:30	12.02	179.7	12.56	3.38	29.43	0.01
2/25/21 2:45	13.32	171.8	10.41	3.303	29.43	0.01
2/25/21 3:00	13.51	174.2	8.69	3.134	29.4	0.01
2/25/21 3:15	12.32	171.1	10.35	2.918	29.4	0.02
2/25/21 3:30	9.68	151.1	9.42	2.656	29.4	0.01
2/25/21 3:45	10.29	146.7	7.414	2.3	29.4	0.02
2/25/21 4:00	9.11	142.3	7.365	2.031	29.33	0.02
2/25/21 4:15	9.04	146.5	7.379	1.849	29.33	0.02
2/25/21 4:30	8.28	136.4	10.83	1.306	29.33	0.01
2/25/21 4:45	7.469	128.1	8.19	0.654	29.33	0.01
2/25/21 5:00	8.44	122.5	7.237	0.53	29.31	0
2/25/21 5:15	8.22	114.9	9.26	0.683	29.31	0.02
2/25/21 5:30	8.06	105.8	10.08	1.148	29.31	0.01
2/25/21 5:45	5.989	94.7	10.93	1.559	29.31	0.01
2/25/21 6:00	4.638	103.3	15.95	1.986	29.3	0.01
2/25/21 6:15	5.85	132.9	15.07	2.464	29.3	0.01
2/25/21 6:30	4.99	164.4	16.77	2.536	29.3	0.01
2/25/21 6:45	4.269	130.8	15.5	2.414	29.3	0.01
2/25/21 7:00	7.703	139.4	18.35	2.59	29.29	0
2/25/21 7:15	8.8	165.4	12.89	2.848	29.29	0.01
2/25/21 7:30	9.56	174.7	14.26	3.149	29.29	0
2/25/21 7:45	3.925	108.4	63.4	3.254	29.29	0
2/25/21 8:00	5.792	181.6	62.1	3.583	29.32	0
2/25/21 8:15	8.87	175	37.12	3.978	29.32	0
2/25/21 8:30	9.15	204.5	11.62	4.168	29.32	0
2/25/21 8:45	9.98	201.3	11.07	4.352	29.32	0
2/25/21 9:00	7.975	206.3	16.38	4.507	29.32	0
2/25/21 9:15	9.45	194.3	13.99	4.504	29.32	0
2/25/21 9:30	10.63	199.7	14.95	4.645	29.32	0
2/25/21 9:45	10.82	200.7	14.6	4.865	29.32	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/25/21 10:00	13.15	208.3	10.61	4.983	29.3	0
2/25/21 10:15	14.17	204.5	10.38	5.111	29.3	0
2/25/21 10:30	14.47	212.1	12.28	5.174	29.3	0
2/25/21 10:45	16.36	213.9	10.13	5.367	29.3	0
2/25/21 11:00	19.36	215.3	10.62	5.626	29.24	0
2/25/21 11:15	20.16	210.6	7.759	5.668	29.24	0
2/25/21 11:30	21.3	211.3	10.57	5.55	29.24	0
2/25/21 11:45	20.07	206.6	10.54	5.443	29.24	0
2/25/21 12:00	22.36	207.1	12.36	5.495	29.26	0
2/25/21 12:15	16.12	201.2	8.37	5.416	29.26	0
2/25/21 12:30	15.39	204.7	9.34	5.631	29.26	0
2/25/21 12:45	18.47	203.2	11.36	5.968	29.26	0
2/25/21 13:00	19.26	199.3	8.82	5.717	29.24	0
2/25/21 13:15	18.89	200.2	8.48	5.688	29.24	0
2/25/21 13:30	17.05	207.9	10.79	5.622	29.24	0
2/25/21 13:45	13.27	205.8	9.91	5.661	29.24	0
2/25/21 14:00	14.89	215.5	10.37	5.911	29.25	0
2/25/21 14:15	12.97	226.4	13.41	6.024	29.25	0
2/25/21 14:30	13.38	233.8	11.77	6.194	29.25	0
2/25/21 14:45	19.26	231.4	11.95	6.555	29.25	0
2/25/21 15:00	19.35	225.2	12.85	6.476	29.23	0
2/25/21 15:15	16.17	223.1	12.13	6.09	29.23	0
2/25/21 15:30	17.13	226.4	12.02	6.052	29.23	0
2/25/21 15:45	17.84	230.6	12.43	5.747	29.23	0
2/25/21 16:00	14.24	238.8	10.11	5.549	29.24	0
2/25/21 16:15	14.47	237.4	12.96	5.435	29.24	0
2/25/21 16:30	15.93	228	10.68	5.556	29.24	0
2/25/21 16:45	16.08	228.3	9.14	5.637	29.24	0
2/25/21 17:00	15.14	234.7	10.56	5.508	29.25	0
2/25/21 17:15	14.51	236.8	9.96	5.474	29.25	0
2/25/21 17:30	11.52	224.4	12.32	5.442	29.25	0
2/25/21 17:45	13.56	221.8	8.88	5.379	29.25	0
2/25/21 18:00	12.73	216.4	9.39	5.193	29.22	0
2/25/21 18:15	10.55	213.8	8.86	5.078	29.22	0
2/25/21 18:30	10.36	211.4	11.55	4.966	29.22	0
2/25/21 18:45	11.15	222.8	14.73	4.818	29.22	0
2/25/21 19:00	11.07	217	14.6	4.641	29.22	0
2/25/21 19:15	8.71	216	17.85	4.54	29.22	0
2/25/21 19:30	10.76	206.8	12.75	4.465	29.22	0
2/25/21 19:45	11.14	201.4	11.36	4.41	29.22	0
2/25/21 20:00	9.41	186	10.46	4.327	29.23	0
2/25/21 20:15	10.67	191.3	9.51	4.279	29.23	0
2/25/21 20:30	10.91	198.4	11.15	4.249	29.23	0
2/25/21 20:45	13.09	203.1	13.33	4.213	29.23	0
2/25/21 21:00	14.53	199	10.45	4.141	29.2	0
2/25/21 21:15	13.9	203.6	10.31	4.182	29.2	0
2/25/21 21:30	13.93	193.2	12.95	4.271	29.2	0
2/25/21 21:45	13.75	205.4	12.56	4.284	29.2	0
2/25/21 22:00	13.41	199.1	10.92	4.298	29.17	0
2/25/21 22:15	13.26	193.5	15.67	4.337	29.17	0
2/25/21 22:30	13.78	197.7	12.87	4.334	29.17	0
2/25/21 22:45	18.88	204.5	11.5	4.366	29.17	0
2/25/21 23:00	17.11	204.4	11.49	4.339	29.15	0
2/25/21 23:15	15.33	201.1	13.09	4.329	29.15	0
2/25/21 23:30	16.3	208.2	11.68	4.345	29.15	0
2/25/21 23:45	19	208.9	10.47	4.301	29.15	0
2/26/21 0:00	17.19	210.8	10.12	4.288	29.14	0
2/26/21 0:15	15.66	207	10.96	4.302	29.14	0
2/26/21 0:30	13.13	201.3	12.15	4.291	29.14	0
2/26/21 0:45	14.03	203.9	13.64	4.309	29.14	0
2/26/21 1:00	15.98	205.7	8.88	4.271	29.1	0
2/26/21 1:15	16.65	201.2	9.92	4.118	29.1	0
2/26/21 1:30	14.63	197.9	11.03	4.071	29.1	0
2/26/21 1:45	15.92	206	10.34	3.942	29.1	0
2/26/21 2:00	16.02	210.7	10.33	3.95	29.05	0
2/26/21 2:15	16.93	226.6	8.91	4.2	29.05	0
2/26/21 2:30	15.97	228.6	9.83	4.406	29.05	0
2/26/21 2:45	15.68	231.6	10.38	4.437	29.05	0
2/26/21 3:00	15.26	238.2	9.19	4.553	29.03	0
2/26/21 3:15	13.26	243.6	10.52	4.663	29.03	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/26/21 3:30	13.25	243.1	11.71	4.682	29.03	0
2/26/21 3:45	11.69	259	10.9	4.593	29.03	0
2/26/21 4:00	10.71	263.6	10.67	4.424	29.04	0.01
2/26/21 4:15	8.65	275.3	14.25	3.909	29.04	0.03
2/26/21 4:30	8.49	239.2	12.92	3.657	29.04	0.01
2/26/21 4:45	9.43	252.5	8.87	3.423	29.04	0.01
2/26/21 5:00	8.4	263.3	9.96	3.41	29.04	0.01
2/26/21 5:15	6.198	266.5	10.32	3.395	29.04	0.01
2/26/21 5:30	7.362	258.7	8.35	3.349	29.04	0
2/26/21 5:45	5.78	242.2	8.89	3.298	29.04	0
2/26/21 6:00	3.414	247.6	11.41	3.308	29.07	0
2/26/21 6:15	4.037	244	9.03	3.296	29.07	0
2/26/21 6:30	5.691	227.7	15.71	3.22	29.07	0
2/26/21 6:45	6.434	229.5	15.75	3.173	29.07	0
2/26/21 7:00	6.258	255.6	20.12	3.071	29.09	0.01
2/26/21 7:15	5.386	233.9	15.17	3.039	29.09	0
2/26/21 7:30	4.252	194	24.42	2.929	29.09	0
2/26/21 7:45	3.551	161.1	18.26	2.699	29.09	0
2/26/21 8:00	2.095	131.2	47.38	2.677	29.12	0
2/26/21 8:15	2.791	82.6	21.1	2.639	29.12	0
2/26/21 8:30	5.252	119.7	14.01	2.676	29.12	0
2/26/21 8:45	5.094	88.7	21.3	2.714	29.12	0
2/26/21 9:00	5.269	123.6	18.14	2.759	29.15	0
2/26/21 9:15	7.218	147.4	14.16	2.951	29.15	0
2/26/21 9:30	4.875	126.8	13.69	3.334	29.15	0
2/26/21 9:45	4.042	98.4	25.82	3.34	29.15	0
2/26/21 10:00	4.513	112.7	14.71	3.34	29.16	0
2/26/21 10:15	5.367	114.3	16.14	3.602	29.16	0
2/26/21 10:30	4.372	120.2	17.97	3.808	29.16	0
2/26/21 10:45	5.782	122.3	12.17	3.96	29.16	0
2/26/21 11:00	4.837	120.2	13.12	4.327	29.19	0
2/26/21 11:15	3.345	126.8	18.66	4.662	29.19	0
2/26/21 11:30	4.454	118.8	18.82	4.751	29.19	0
2/26/21 11:45	5.413	126.8	12.89	5.043	29.19	0
2/26/21 12:00	6.463	132.3	17.42	5.487	29.19	0
2/26/21 12:15	7.158	142.4	11.94	5.75	29.19	0
2/26/21 12:30	8.55	158.2	20.11	6.177	29.19	0
2/26/21 12:45	6.958	161.5	15.43	6.362	29.19	0
2/26/21 13:00	7.156	153.5	18.46	6.526	29.18	0
2/26/21 13:15	6.527	144.5	20.83	6.684	29.18	0
2/26/21 13:30	7.216	146.6	14.88	6.912	29.18	0
2/26/21 13:45	4.254	111.3	19.43	7.237	29.18	0
2/26/21 14:00	3.494	90.6	23.75	7.06	29.16	0
2/26/21 14:15	4.635	64.94	17.46	6.932	29.16	0
2/26/21 14:30	3.01	96.5	34.78	7.464	29.16	0
2/26/21 14:45	5.26	189.5	81.5	8.09	29.16	0
2/26/21 15:00	10.59	213.7	8.25	8.18	29.14	0
2/26/21 15:15	9.22	194.2	39.88	7.282	29.14	0
2/26/21 15:30	1.956	15.61	42.04	7.607	29.14	0
2/26/21 15:45	7.646	193.2	34.49	7.934	29.14	0
2/26/21 16:00	5.557	270.4	70.62	7.419	29.13	0
2/26/21 16:15	16.54	15.64	14.25	4.429	29.13	0
2/26/21 16:30	15.08	17.6	12.18	3.398	29.13	0
2/26/21 16:45	14.16	17.44	13.81	3.257	29.13	0
2/26/21 17:00	11.23	358.7	18.29	3.271	29.1	0.02
2/26/21 17:15	10.79	3.329	16.96	2.635	29.1	0.03
2/26/21 17:30	9.34	23.97	12.42	2.586	29.1	0
2/26/21 17:45	4.443	68.74	21.31	2.829	29.1	0
2/26/21 18:00	2.716	136.4	19.99	3.112	29.1	0
2/26/21 18:15	2.731	188.8	33.4	3.185	29.1	0.01
2/26/21 18:30	4.903	145.7	8.48	2.978	29.1	0.01
2/26/21 18:45	2.906	180.7	30.07	2.475	29.1	0
2/26/21 19:00	3.874	186.5	17.31	2.035	29.1	0
2/26/21 19:15	3.992	152.3	10.07	1.731	29.1	0
2/26/21 19:30	4.395	104.7	16.21	1.713	29.1	0
2/26/21 19:45	4.018	72.9	26.08	1.74	29.1	0
2/26/21 20:00	3.078	72.52	13.51	1.883	29.1	0
2/26/21 20:15	1.827	69.05	26.47	2.699	29.1	0
2/26/21 20:30	2.763	17.79	26.64	2.517	29.1	0
2/26/21 20:45	2.444	55.69	13.16	2.737	29.1	0.01



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/26/21 21:00	1.625	39.81	16.83	3.314	29.12	0
2/26/21 21:15	1.606	48.78	16.07	2.655	29.12	0.02
2/26/21 21:30	7.142	1.026	15.87	2.35	29.12	0.01
2/26/21 21:45	6.987	37.2	15.25	1.711	29.12	0.03
2/26/21 22:00	5.877	2.841	19.25	1.606	29.16	0.01
2/26/21 22:15	5.579	32.01	31.19	1.295	29.16	0.01
2/26/21 22:30	6.647	27.48	22.96	1.192	29.16	0.01
2/26/21 22:45	4.169	30.97	71.91	1.72	29.16	0.01
2/26/21 23:00	3.365	21.19	19.89	1.624	29.17	0
2/26/21 23:15	4.146	37.29	18.89	1.414	29.17	0
2/26/21 23:30	4.216	209.4	58.02	1.398	29.17	0.01
2/26/21 23:45	6.455	172.6	32.31	1.429	29.17	0
2/27/21 0:00	5.778	92.3	24.92	1.017	29.19	0
2/27/21 0:15	3.577	108.5	9.96	0.754	29.19	0
2/27/21 0:30	3.919	127.6	19.1	0.527	29.19	0
2/27/21 0:45	4.33	185.6	11.75	0.987	29.19	0
2/27/21 1:00	5.381	189.9	7.424	0.758	29.22	0
2/27/21 1:15	5.089	165.8	8.71	0.625	29.22	0
2/27/21 1:30	1.691	29.1	28.46	0.327	29.22	0
2/27/21 1:45	3.942	43.41	9.39	0.326	29.22	0
2/27/21 2:00	2.47	60.34	17.07	0.47	29.26	0
2/27/21 2:15	2.281	106.8	37.75	0.529	29.26	0
2/27/21 2:30	1.827	84.5	29.44	0.464	29.26	0
2/27/21 2:45	2.938	114.1	17.77	0.509	29.26	0
2/27/21 3:00	3.804	138.9	12.34	0.592	29.25	0
2/27/21 3:15	3.799	128.2	8.26	0.778	29.25	0
2/27/21 3:30	2.795	103.7	6.567	0.907	29.25	0
2/27/21 3:45	2.399	115.8	10.33	0.875	29.25	0
2/27/21 4:00	2.047	113.6	11.35	0.969	29.29	0
2/27/21 4:15	2.292	116.3	10.95	0.991	29.29	0
2/27/21 4:30	2.684	109.1	13.88	1.148	29.29	0
2/27/21 4:45	2.272	95.1	44.96	1.188	29.29	0
2/27/21 5:00	3.269	90.9	27.99	0.856	29.32	0
2/27/21 5:15	2.354	106	11.28	1.004	29.32	0
2/27/21 5:30	2.778	131.6	10.5	1.412	29.32	0
2/27/21 5:45	2.017	80.6	41.56	1.135	29.32	0
2/27/21 6:00	1.614	90.8	23.49	1.508	29.34	0
2/27/21 6:15	1.697	248.3	61.2	1.442	29.34	0
2/27/21 6:30	1.508	241.3	33.84	1.327	29.34	0
2/27/21 6:45	1.448	230.8	50.19	1.389	29.34	0
2/27/21 7:00	0.461	75.88	40.45	1.161	29.35	0
2/27/21 7:15	1.66	29.14	22.87	0.985	29.35	0
2/27/21 7:30	1.079	9.4	13.92	0.942	29.35	0
2/27/21 7:45	0.936	9.85	5.969	1.391	29.35	0
2/27/21 8:00	0.597	34.59	5.388	1.594	29.38	0
2/27/21 8:15	0.068	30.26	1.402	1.641	29.38	0
2/27/21 8:30	1.279	14.49	14.16	1.835	29.38	0
2/27/21 8:45	0.246	354.1	19.77	2.098	29.38	0
2/27/21 9:00	0.116	226.3	13.12	2.686	29.42	0
2/27/21 9:15	0.534	141.2	15.98	2.869	29.42	0.01
2/27/21 9:30	0.507	67.99	8.73	3.207	29.42	0.01
2/27/21 9:45	1.176	75.16	10.98	3.222	29.42	0.02
2/27/21 10:00	1.401	107.4	32.74	3.987	29.43	0.03
2/27/21 10:15	2.34	133.4	17.35	4.006	29.43	0.02
2/27/21 10:30	2.409	166.3	38.61	4.326	29.43	0.02
2/27/21 10:45	1.608	197.8	27.49	4.134	29.43	0.01
2/27/21 11:00	2.805	186.5	26.95	4.689	29.42	0.01
2/27/21 11:15	2.995	181.2	31.5	4.615	29.42	0
2/27/21 11:30	1.617	105.4	51.41	4.649	29.42	0
2/27/21 11:45	2.868	33.82	8.21	4.551	29.42	0
2/27/21 12:00	2.409	70.94	20.58	4.924	29.45	0
2/27/21 12:15	3.249	95	19.41	5.092	29.45	0
2/27/21 12:30	3.43	120.2	18.27	5.057	29.45	0
2/27/21 12:45	4.028	127.8	19.29	5.034	29.45	0
2/27/21 13:00	3.434	133.5	13.72	5.394	29.45	0
2/27/21 13:15	3.494	94	39.99	5.967	29.45	0
2/27/21 13:30	3.98	103.4	26.62	6.126	29.45	0
2/27/21 13:45	3.53	84	18.42	5.965	29.45	0
2/27/21 14:00	3.979	62.78	13.23	5.647	29.45	0
2/27/21 14:15	4.543	40.53	30.52	6.194	29.45	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/27/21 14:30	6.482	131.7	16.91	6.819	29.45	0
2/27/21 14:45	4.235	125.9	18.04	6.572	29.45	0
2/27/21 15:00	1.681	78.36	28.38	6.991	29.46	0
2/27/21 15:15	1.962	28	34.03	7.161	29.46	0
2/27/21 15:30	3.119	93.6	25.62	6.613	29.46	0
2/27/21 15:45	2.754	111.1	33.49	6.482	29.46	0
2/27/21 16:00	2.589	128.1	16.5	6.495	29.45	0
2/27/21 16:15	3.313	97.1	12.48	6.723	29.45	0
2/27/21 16:30	5.258	89.7	8.63	6.624	29.45	0
2/27/21 16:45	3.004	66.62	16.4	6.397	29.45	0
2/27/21 17:00	0.746	48.67	13.8	6.39	29.44	0
2/27/21 17:15	2.779	94.1	16.24	6.083	29.44	0
2/27/21 17:30	2.44	98.1	5.876	6.117	29.44	0
2/27/21 17:45	1.741	84.3	17.94	5.911	29.44	0
2/27/21 18:00	1.156	106.1	27.05	5.982	29.42	0
2/27/21 18:15	0.078	98.2	0.934	5.909	29.42	0
2/27/21 18:30	1.605	136.4	12.89	5.893	29.42	0
2/27/21 18:45	1.64	122.4	8.81	5.607	29.42	0
2/27/21 19:00	2.295	101.5	12.25	5.305	29.45	0
2/27/21 19:15	1.182	116.7	43.79	4.952	29.45	0
2/27/21 19:30	2.902	188.2	17.08	5.321	29.45	0
2/27/21 19:45	3.381	159	8.79	4.923	29.45	0
2/27/21 20:00	3.759	156.7	11.95	4.765	29.45	0
2/27/21 20:15	4.65	153	13.93	4.831	29.45	0
2/27/21 20:30	5.789	160.9	17.78	4.819	29.45	0
2/27/21 20:45	7.074	173.9	7.76	5.223	29.45	0
2/27/21 21:00	9.14	179.5	8	5.369	29.45	0
2/27/21 21:15	9.27	175.8	7.265	5.323	29.45	0
2/27/21 21:30	9.63	180.6	8.57	5.329	29.45	0
2/27/21 21:45	7.499	182.4	8.15	5.27	29.45	0
2/27/21 22:00	7.918	183.9	7.997	5.271	29.48	0
2/27/21 22:15	7.574	185.3	7.14	5.263	29.48	0
2/27/21 22:30	7.162	183.1	9.98	5.166	29.48	0
2/27/21 22:45	9.29	185.2	15.17	4.896	29.48	0
2/27/21 23:00	9.82	177.6	13.97	4.54	29.47	0
2/27/21 23:15	8.61	184.5	7.361	4.167	29.47	0
2/27/21 23:30	7.917	181.3	11.23	3.89	29.47	0.01
2/27/21 23:45	5.113	157.7	17.89	3.657	29.47	0
2/28/21 0:00	4.938	133.8	9.2	3.342	29.47	0.01
2/28/21 0:15	5.951	132.7	12.16	3.232	29.47	0
2/28/21 0:30	5.307	114.4	8.27	3.022	29.47	0.01
2/28/21 0:45	6.115	118.6	6.952	2.838	29.47	0.01
2/28/21 1:00	7.532	116.9	8.27	2.771	29.46	0.01
2/28/21 1:15	7.526	108.6	9.81	2.615	29.46	0.01
2/28/21 1:30	6.962	105.4	8.82	2.438	29.46	0
2/28/21 1:45	6.879	104	9.41	2.394	29.46	0.01
2/28/21 2:00	6.698	105.2	10.7	2.376	29.46	0.02
2/28/21 2:15	7.058	101.9	7.529	2.445	29.46	0.01
2/28/21 2:30	6.685	111.5	11.8	2.669	29.46	0.01
2/28/21 2:45	6.183	120.2	7.605	2.933	29.46	0
2/28/21 3:00	5.255	115.2	7.306	3.082	29.45	0
2/28/21 3:15	6.151	122.8	7.386	3.278	29.45	0.01
2/28/21 3:30	6.095	130.7	7.124	3.299	29.45	0
2/28/21 3:45	6.492	129	7.517	3.341	29.45	0
2/28/21 4:00	6.776	126	8.31	3.456	29.45	0
2/28/21 4:15	5.251	125.8	9.76	3.568	29.45	0
2/28/21 4:30	5.384	139.5	6.665	3.71	29.45	0
2/28/21 4:45	5.848	141.3	6.829	3.852	29.45	0
2/28/21 5:00	7.554	144.3	5.8	3.963	29.46	0
2/28/21 5:15	6.329	138.3	6.039	3.979	29.46	0
2/28/21 5:30	5.494	138	6.41	3.992	29.46	0
2/28/21 5:45	6.304	141.5	8.83	4.065	29.46	0
2/28/21 6:00	4.589	128.6	7.936	4.083	29.48	0
2/28/21 6:15	3.755	124.3	9.13	4.11	29.48	0
2/28/21 6:30	6.158	140.5	7.435	4.285	29.48	0
2/28/21 6:45	6.926	135.1	7.448	4.357	29.48	0
2/28/21 7:00	6.296	134.2	7.764	4.403	29.48	0
2/28/21 7:15	5.552	130.9	7.811	4.455	29.48	0
2/28/21 7:30	5.112	128.8	7.721	4.511	29.48	0
2/28/21 7:45	5.014	132.1	8.04	4.619	29.48	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
2/28/21 8:00	4.619	128.1	9.55	4.639	29.48	0
2/28/21 8:15	3.726	116.9	10.15	4.657	29.48	0
2/28/21 8:30	4.218	125	10.25	4.766	29.48	0
2/28/21 8:45	4.604	132.7	9.17	4.94	29.48	0
2/28/21 9:00	5.433	131.1	11.97	5.089	29.48	0
2/28/21 9:15	4.372	112.8	10.47	5.172	29.48	0
2/28/21 9:30	4.494	98.9	7.734	5.188	29.48	0
2/28/21 9:45	5.114	106.1	7.506	5.381	29.48	0
2/28/21 10:00	5.54	116.8	7.489	5.639	29.5	0
2/28/21 10:15	5.931	121.9	9.22	5.708	29.5	0
2/28/21 10:30	6.068	124.3	10.96	5.743	29.5	0
2/28/21 10:45	5.773	117.2	8.62	5.884	29.5	0.01
2/28/21 11:00	5.238	118.8	11.06	6.158	29.47	0
2/28/21 11:15	4.886	111.2	21.38	6.473	29.47	0
2/28/21 11:30	4.53	91.1	15.19	6.32	29.47	0
2/28/21 11:45	3.591	103.6	14.79	6.68	29.47	0
2/28/21 12:00	3.744	113.1	17.07	7.102	29.49	0
2/28/21 12:15	4.606	133.6	14.22	7.258	29.49	0
2/28/21 12:30	4.056	131.1	10.45	7.535	29.49	0
2/28/21 12:45	4.726	129.4	9.71	7.77	29.49	0
2/28/21 13:00	3.969	111.4	20.17	7.793	29.47	0
2/28/21 13:15	4.429	127.8	34.25	8.16	29.47	0
2/28/21 13:30	3.756	81.4	17.84	7.818	29.47	0
2/28/21 13:45	3.355	76.41	15.18	7.776	29.47	0
2/28/21 14:00	3.716	72.21	13.98	7.828	29.45	0
2/28/21 14:15	3.331	80.8	10.14	8.01	29.45	0
2/28/21 14:30	2.514	87.2	14.15	8.32	29.45	0
2/28/21 14:45	2.742	99.8	14.76	8.89	29.45	0
2/28/21 15:00	3.309	83.4	13.56	8.94	29.43	0
2/28/21 15:15	3.001	145.3	40.06	9.23	29.43	0
2/28/21 15:30	6.2	176.8	13.45	9.45	29.43	0
2/28/21 15:45	7.87	178	11.47	9.36	29.43	0
2/28/21 16:00	6.18	169.8	16.11	9.49	29.4	0
2/28/21 16:15	5.387	178.3	13.72	9.48	29.4	0
2/28/21 16:30	6.312	165.2	15.68	9.39	29.4	0
2/28/21 16:45	6.806	128.1	8.2	8.73	29.4	0
2/28/21 17:00	5.532	120.7	12.04	8.5	29.41	0
2/28/21 17:15	6.689	119	9.43	8.19	29.41	0
2/28/21 17:30	7.556	123.9	8.17	8.04	29.41	0
2/28/21 17:45	7.167	122.1	8.17	7.973	29.41	0
2/28/21 18:00	6.481	123.9	9.62	7.935	29.39	0
2/28/21 18:15	6.223	123.6	9.73	7.909	29.39	0
2/28/21 18:30	6.438	122.5	8.66	7.862	29.39	0
2/28/21 18:45	5.482	135.2	13.81	7.866	29.39	0
2/28/21 19:00	5.945	144	8.98	7.782	29.36	0
2/28/21 19:15	6.659	133.7	9.87	7.775	29.36	0
2/28/21 19:30	6.778	127	7.994	7.696	29.36	0
2/28/21 19:45	5.962	126.3	8.8	7.613	29.36	0
2/28/21 20:00	5.806	139.8	15.85	7.545	29.34	0
2/28/21 20:15	6.03	144.9	11.66	7.07	29.34	0
2/28/21 20:30	6.193	131.6	10.87	7.005	29.34	0
2/28/21 20:45	4.229	135.6	14.47	6.911	29.34	0
2/28/21 21:00	4.45	147.9	10.24	6.793	29.34	0
2/28/21 21:15	3.822	154.3	15.22	6.773	29.34	0
2/28/21 21:30	4.327	154.2	13.51	6.455	29.34	0
2/28/21 21:45	4.426	148.5	12.01	6.317	29.34	0
2/28/21 22:00	5.372	147.5	12.05	6.018	29.32	0
2/28/21 22:15	6.141	139.9	8.35	5.962	29.32	0
2/28/21 22:30	6.317	132.6	8.95	6.19	29.32	0
2/28/21 22:45	6.904	140	8.27	6.168	29.32	0
2/28/21 23:00	7.776	133.1	8.32	6.024	29.31	0
2/28/21 23:15	7.054	131.3	9.65	6.062	29.31	0
2/28/21 23:30	6.491	118.4	9.97	5.954	29.31	0
2/28/21 23:45	6.334	111.9	7.26	5.935	29.31	0
3/1/21 0:00	5.087	119	6.806	5.902	29.27	0
3/1/21 0:15	4.363	137.8	8.44	5.747	29.27	0
3/1/21 0:30	4.578	150.2	8.57	5.665	29.27	0
3/1/21 0:45	3.96	142.3	5.349	5.548	29.27	0
3/1/21 1:00	3.626	141.6	9.26	5.129	29.28	0
3/1/21 1:15	3.979	144.8	8.96	5.074	29.28	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/1/21 1:30	1.948	86.7	36.03	4.823	29.28	0
3/1/21 1:45	2.471	40.81	27.28	4.489	29.28	0
3/1/21 2:00	2.787	69.62	42.96	4.45	29.28	0
3/1/21 2:15	2.139	65.58	18.75	4.906	29.28	0
3/1/21 2:30	2.353	63.68	18.6	5.454	29.28	0
3/1/21 2:45	2.551	130.7	17.26	5.43	29.28	0
3/1/21 3:00	2.526	115.7	20.81	6.096	29.27	0
3/1/21 3:15	3.626	142.3	16	5.233	29.27	0
3/1/21 3:30	4.932	142.3	7.515	5.136	29.27	0
3/1/21 3:45	3.96	161	19.08	4.86	29.27	0
3/1/21 4:00	4.869	166.6	8.53	4.319	29.25	0
3/1/21 4:15	4.668	172.3	9.53	4.271	29.25	0
3/1/21 4:30	4.409	196	7.752	4.131	29.25	0
3/1/21 4:45	4.233	195.2	9.06	4.09	29.25	0
3/1/21 5:00	4.393	182.8	15.11	4.089	29.24	0
3/1/21 5:15	4.732	172.4	13.59	4.03	29.24	0
3/1/21 5:30	3.665	176.9	14.26	3.963	29.24	0
3/1/21 5:45	2.537	149.8	18.04	3.943	29.24	0
3/1/21 6:00	2.423	144.4	23.94	4.391	29.22	0
3/1/21 6:15	1.078	108.2	7.589	4.552	29.22	0
3/1/21 6:30	1.54	150.9	21.15	4.255	29.22	0
3/1/21 6:45	2.332	147.4	16.44	4.57	29.22	0
3/1/21 7:00	4.762	187.5	11.01	4.081	29.21	0
3/1/21 7:15	4.912	177.9	5.11	3.912	29.21	0
3/1/21 7:30	4.399	172.9	9.7	3.968	29.21	0
3/1/21 7:45	3.468	136.1	16.1	4.093	29.21	0
3/1/21 8:00	2.219	148.4	36.66	4.61	29.21	0
3/1/21 8:15	0.847	113.9	25.43	5.087	29.21	0
3/1/21 8:30	0.861	312.2	19.9	5.373	29.21	0
3/1/21 8:45	3.25	338.4	7.131	5.814	29.21	0
3/1/21 9:00	2.263	324	20.74	6.087	29.23	0
3/1/21 9:15	0.645	325.4	53.72	6.55	29.23	0
3/1/21 9:30	1.897	225.4	28.58	6.431	29.23	0
3/1/21 9:45	1.35	162.3	50.23	6.966	29.23	0
3/1/21 10:00	4.01	286.3	15.4	6.948	29.25	0
3/1/21 10:15	2.051	323.3	46.02	7.4	29.25	0
3/1/21 10:30	2.117	145.8	23.4	8.57	29.25	0
3/1/21 10:45	2.654	157.5	40.7	9.08	29.25	0
3/1/21 11:00	5.317	217.9	12.48	8.93	29.26	0
3/1/21 11:15	4.068	233	29.14	9.65	29.26	0
3/1/21 11:30	2.621	286.6	16.92	10.1	29.26	0
3/1/21 11:45	2.182	198.2	29.76	10.11	29.26	0
3/1/21 12:00	3.75	186.1	21.93	10.5	29.25	0
3/1/21 12:15	2.944	179.8	27.96	10.68	29.25	0
3/1/21 12:30	4.244	181.5	17.98	10.92	29.25	0
3/1/21 12:45	4.49	166.4	31.37	11.31	29.25	0
3/1/21 13:00	4.292	171.9	38.53	11.54	29.24	0
3/1/21 13:15	4.19	190.5	24.33	11.9	29.24	0
3/1/21 13:30	3.615	159.9	32.14	12.24	29.24	0
3/1/21 13:45	4.965	192.5	32.78	12.6	29.24	0
3/1/21 14:00	5.148	166.3	23.26	12.88	29.22	0
3/1/21 14:15	6.149	213.1	19.06	13.12	29.22	0
3/1/21 14:30	7.208	212.9	18.36	13.14	29.22	0
3/1/21 14:45	9.67	208.4	13.5	13.21	29.22	0
3/1/21 15:00	9.91	187.2	11.64	13.23	29.21	0
3/1/21 15:15	8.44	205.8	12.63	13.3	29.21	0
3/1/21 15:30	8.98	206.1	10.85	13.32	29.21	0
3/1/21 15:45	8.16	221.4	11.97	13.23	29.21	0
3/1/21 16:00	6.261	220.9	17.13	13.41	29.23	0
3/1/21 16:15	5.693	223.7	10.25	13.32	29.23	0
3/1/21 16:30	5.707	219.6	15.81	12.89	29.23	0
3/1/21 16:45	6.934	209.3	6.441	12.83	29.23	0
3/1/21 17:00	5.928	210.5	5.389	12.37	29.22	0
3/1/21 17:15	5.721	215.1	6.17	12.18	29.22	0
3/1/21 17:30	4.41	219.2	6.428	12.08	29.22	0
3/1/21 17:45	5.284	225	6.38	11.97	29.22	0
3/1/21 18:00	5.121	216.5	9.13	11.82	29.24	0
3/1/21 18:15	3.679	178.5	17.33	11.39	29.24	0
3/1/21 18:30	2.181	193.5	15.72	11.29	29.24	0
3/1/21 18:45	1.891	125	19.16	11.16	29.24	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/1/21 19:00	2.682	132.7	18.19	10.87	29.25	0
3/1/21 19:15	2.644	166.7	12.38	10.98	29.25	0
3/1/21 19:30	2.474	166.6	13.37	11.1	29.25	0
3/1/21 19:45	2.421	189.1	15.52	10.97	29.25	0
3/1/21 20:00	3.464	201.8	12.12	10.47	29.26	0
3/1/21 20:15	4.297	205.6	11.55	10.1	29.26	0
3/1/21 20:30	2.591	192.7	18.15	10.04	29.26	0
3/1/21 20:45	2.876	219.2	17.86	9.95	29.26	0
3/1/21 21:00	2.287	182.7	16.27	9.64	29.25	0
3/1/21 21:15	4.975	190.1	10.67	9.05	29.25	0
3/1/21 21:30	4.753	175.7	8.19	8.28	29.25	0
3/1/21 21:45	2.32	97.6	42.12	7.913	29.25	0
3/1/21 22:00	1.713	104.6	33.57	7.519	29.25	0
3/1/21 22:15	2.551	146.3	16.81	7.96	29.25	0
3/1/21 22:30	2.182	107.4	24.89	7.787	29.25	0
3/1/21 22:45	2.875	108.8	28.43	7.241	29.25	0
3/1/21 23:00	4.731	124.2	8.64	7.36	29.26	0
3/1/21 23:15	5.365	137.1	8.28	7.411	29.26	0
3/1/21 23:30	6.144	136.2	5.629	7.39	29.26	0
3/1/21 23:45	4.441	158.4	22.49	7.378	29.26	0
3/2/21 0:00	3.532	167.2	15.3	7.227	29.27	0
3/2/21 0:15	3.222	110.2	15.61	6.916	29.27	0
3/2/21 0:30	3.558	100.1	16.25	6.711	29.27	0
3/2/21 0:45	5.981	132.4	5.962	6.366	29.27	0
3/2/21 1:00	6.493	129.3	6.115	6.301	29.25	0
3/2/21 1:15	5.471	130.2	6.348	6.244	29.25	0
3/2/21 1:30	1.655	123.3	21.91	6.478	29.25	0
3/2/21 1:45	2.239	186.7	28.66	6.859	29.25	0
3/2/21 2:00	2.371	221.8	18.47	6.817	29.25	0
3/2/21 2:15	2.177	250.3	18.27	6.875	29.25	0
3/2/21 2:30	4.417	282	9.66	6.47	29.25	0
3/2/21 2:45	4.221	290.6	18.69	6.517	29.25	0
3/2/21 3:00	2.606	333.9	58.63	5.743	29.26	0
3/2/21 3:15	2.594	27.92	11.56	5.104	29.26	0
3/2/21 3:30	1.612	20.12	9.28	5.089	29.26	0
3/2/21 3:45	1.182	23.04	9.63	5.045	29.26	0
3/2/21 4:00	0.942	47.02	5.099	4.968	29.24	0
3/2/21 4:15	1.231	189	28.69	5.119	29.24	0
3/2/21 4:30	3.154	204.2	20.17	5.487	29.24	0
3/2/21 4:45	2.84	196.2	17.87	5.465	29.24	0
3/2/21 5:00	4.322	194	10.67	5.494	29.25	0
3/2/21 5:15	3.085	183.7	22.77	5.346	29.25	0
3/2/21 5:30	2.561	184.3	11.28	5.291	29.25	0
3/2/21 5:45	1.718	173.9	21.75	5.253	29.25	0
3/2/21 6:00	2.051	123.7	9.81	5.225	29.24	0
3/2/21 6:15	1.712	176.8	27.62	5.299	29.24	0
3/2/21 6:30	1.663	227.8	9.64	5.331	29.24	0
3/2/21 6:45	1.963	236.7	8.98	5.3	29.24	0
3/2/21 7:00	2.618	243	15.75	5.164	29.23	0
3/2/21 7:15	1.24	303.6	17.29	5.052	29.23	0
3/2/21 7:30	1.16	328.9	7.547	5	29.23	0
3/2/21 7:45	1.521	5.419	26.46	4.832	29.23	0
3/2/21 8:00	0.901	355.2	16.54	4.727	29.24	0
3/2/21 8:15	2.016	326.7	15.45	4.809	29.24	0.01
3/2/21 8:30	2.341	38.6	11.9	4.687	29.24	0
3/2/21 8:45	2.624	29.56	4.652	4.588	29.24	0
3/2/21 9:00	4.586	24.9	9.44	4.449	29.24	0
3/2/21 9:15	5.715	20.37	10.58	4.192	29.24	0
3/2/21 9:30	3.547	11.84	13.05	4.146	29.24	0
3/2/21 9:45	3.1	37.41	12.72	4.114	29.24	0
3/2/21 10:00	3.288	14.79	12.89	4.169	29.26	0
3/2/21 10:15	2.48	8.03	17.26	4.288	29.26	0.01
3/2/21 10:30	2.922	16.97	9.77	4.272	29.26	0.01
3/2/21 10:45	3.313	19.43	10.43	4.234	29.26	0
3/2/21 11:00	4.106	28.23	8.81	4.281	29.25	0
3/2/21 11:15	3.396	28.14	9.69	4.023	29.25	0
3/2/21 11:30	1.316	22.01	42.32	4.141	29.25	0
3/2/21 11:45	2.187	192.4	36.31	4.782	29.25	0
3/2/21 12:00	3.477	175.8	9.09	5.104	29.23	0
3/2/21 12:15	4.186	206.1	15.8	5.231	29.23	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/2/21 12:30	5.638	268.8	14.69	5.079	29.23	0
3/2/21 12:45	3.417	259.8	11.13	5.204	29.23	0
3/2/21 13:00	2.112	232.1	28.54	5.491	29.23	0
3/2/21 13:15	2.438	268.8	26.8	5.796	29.23	0
3/2/21 13:30	1.432	290.9	25.32	6.11	29.23	0
3/2/21 13:45	1.592	303.7	33.66	6.228	29.23	0
3/2/21 14:00	2.465	41.93	12.43	5.562	29.2	0
3/2/21 14:15	3.164	46.58	10.25	5.643	29.2	0
3/2/21 14:30	3.69	40.45	6.785	5.833	29.2	0
3/2/21 14:45	3.982	43.95	8.61	5.9	29.2	0
3/2/21 15:00	3.112	41.45	8.53	6.054	29.16	0
3/2/21 15:15	2.602	37.86	12.56	6.295	29.16	0
3/2/21 15:30	2.995	29.81	13.25	6.433	29.16	0
3/2/21 15:45	2.752	47.06	14.49	6.6	29.16	0
3/2/21 16:00	2.616	31.68	16.34	6.932	29.14	0
3/2/21 16:15	1.955	52.16	33.46	7.093	29.14	0
3/2/21 16:30	3.811	29.43	22.9	6.68	29.14	0
3/2/21 16:45	4.007	8.27	10.11	6.571	29.14	0
3/2/21 17:00	4.964	27.34	11.44	6.2	29.12	0
3/2/21 17:15	3.116	20.04	10.45	5.864	29.12	0
3/2/21 17:30	2.964	19.51	12.18	5.636	29.12	0
3/2/21 17:45	3.861	49.27	10.99	5.548	29.12	0
3/2/21 18:00	3.438	20.61	13.29	5.257	29.14	0
3/2/21 18:15	3.607	28.29	11.99	5.121	29.14	0
3/2/21 18:30	3.841	40.55	6.406	5.144	29.14	0
3/2/21 18:45	2.112	30.12	15.28	5.191	29.14	0
3/2/21 19:00	2.579	31.74	10.07	4.924	29.11	0
3/2/21 19:15	3.54	19.89	9	5.127	29.11	0
3/2/21 19:30	2.85	26.27	4.035	4.912	29.11	0
3/2/21 19:45	3.335	15.84	5.16	4.714	29.11	0
3/2/21 20:00	3.752	29.06	11.92	4.748	29.13	0
3/2/21 20:15	3.068	38.99	6.456	4.95	29.13	0
3/2/21 20:30	2.751	28.24	9.78	5.095	29.13	0
3/2/21 20:45	0.791	36.37	7.73	5.098	29.13	0
3/2/21 21:00	0.657	56	1.375	5.26	29.1	0
3/2/21 21:15	1.672	119	27.35	4.977	29.1	0
3/2/21 21:30	1.724	163.5	20.92	5.134	29.1	0
3/2/21 21:45	2.537	147.4	18.21	5.317	29.1	0
3/2/21 22:00	1.386	160.8	9.35	4.841	29.09	0
3/2/21 22:15	0.946	261.5	16.61	4.715	29.09	0
3/2/21 22:30	3.631	204.8	16.19	4.838	29.09	0
3/2/21 22:45	2.587	172.5	6.617	4.838	29.09	0
3/2/21 23:00	1.859	134.5	25.28	4.494	29.1	0
3/2/21 23:15	3.55	172.6	10.6	4.623	29.1	0
3/2/21 23:30	3.573	158.6	6.348	4.544	29.1	0
3/2/21 23:45	3.421	153.9	6.046	4.417	29.1	0
3/3/21 0:00	4.62	164.1	6.318	4.188	29.09	0
3/3/21 0:15	4.404	154.9	8.86	3.925	29.09	0
3/3/21 0:30	1.601	137.5	17	3.716	29.09	0
3/3/21 0:45	1.38	102.4	22.16	3.802	29.09	0
3/3/21 1:00	1.092	107.2	22.01	3.46	29.08	0
3/3/21 1:15	1.483	121.2	7.991	3.333	29.08	0
3/3/21 1:30	2.031	135.1	15.27	3.491	29.08	0
3/3/21 1:45	1.51	105.1	21.14	3.379	29.08	0
3/3/21 2:00	2.36	126.8	7.401	3.306	29.08	0
3/3/21 2:15	2.472	124.6	6.95	3.101	29.08	0
3/3/21 2:30	2.989	120	2.577	3.02	29.08	0
3/3/21 2:45	3.619	128.5	12.53	2.647	29.08	0
3/3/21 3:00	2.204	129.9	9.68	2.842	29.06	0
3/3/21 3:15	2.201	157.5	16.81	2.484	29.06	0
3/3/21 3:30	2.485	119.1	13.8	2.574	29.06	0
3/3/21 3:45	3.643	122.7	4.857	2.79	29.06	0
3/3/21 4:00	4.195	144	11.61	2.442	29.05	0
3/3/21 4:15	4.726	152.1	8.35	2.311	29.05	0
3/3/21 4:30	2.972	145	17.86	2.227	29.05	0
3/3/21 4:45	1.045	129.9	19.34	1.762	29.05	0
3/3/21 5:00	1.53	89.5	17.52	1.976	29.03	0
3/3/21 5:15	2.038	103.2	19.71	1.947	29.03	0
3/3/21 5:30	2.376	100.1	12.43	1.826	29.03	0
3/3/21 5:45	1.896	130.7	21.15	1.838	29.03	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/3/21 6:00	2.641	155.9	10.34	2.226	29.03	0
3/3/21 6:15	3.814	170.4	9.23	1.933	29.03	0
3/3/21 6:30	3.161	153.3	8.94	1.772	29.03	0
3/3/21 6:45	1.851	112.9	18.25	1.735	29.03	0
3/3/21 7:00	1.524	112	9.46	1.782	29.03	0
3/3/21 7:15	1.872	95.3	13.04	1.729	29.03	0
3/3/21 7:30	3.814	98.7	23.28	2.037	29.03	0
3/3/21 7:45	4.591	137.3	15.51	3.069	29.03	0
3/3/21 8:00	3.007	166	13.75	3.351	29.01	0
3/3/21 8:15	2.933	163.4	10.97	2.883	29.01	0
3/3/21 8:30	3.481	150.3	12.2	3.401	29.01	0
3/3/21 8:45	2.34	97.6	26.26	4.348	29.01	0
3/3/21 9:00	0.765	47.2	26.97	4.704	29.02	0
3/3/21 9:15	0.792	91.8	27.84	5.886	29.02	0
3/3/21 9:30	1.822	16.82	16.28	5.875	29.02	0
3/3/21 9:45	1.792	16.03	21.18	6.017	29.02	0
3/3/21 10:00	1.532	45.98	28.08	6.903	29	0
3/3/21 10:15	1.517	48.54	46.61	7.629	29	0
3/3/21 10:30	1.953	30.68	15.73	7.876	29	0
3/3/21 10:45	2.131	1.176	18.25	8.05	29	0
3/3/21 11:00	2.873	342.4	29.34	8.58	29.01	0
3/3/21 11:15	2.61	356.2	21.95	9.12	29.01	0
3/3/21 11:30	3.011	5.939	18.42	9.63	29.01	0
3/3/21 11:45	3.692	17.64	16.29	9.7	29.01	0
3/3/21 12:00	2.935	0.527	20.78	10.16	29	0
3/3/21 12:15	2.145	337.9	36.98	10.71	29	0
3/3/21 12:30	3.089	8.01	22.55	10.8	29	0
3/3/21 12:45	2.376	355.1	21.81	11.28	29	0
3/3/21 13:00	3.257	278.4	34.27	11.94	28.96	0
3/3/21 13:15	3.931	286.3	25.51	12.04	28.96	0
3/3/21 13:30	4.398	262.2	19.14	12.17	28.96	0
3/3/21 13:45	4.596	268.6	20.37	12.41	28.96	0
3/3/21 14:00	4.018	268.2	16.75	12.73	28.96	0
3/3/21 14:15	3.299	277.1	15.56	13.08	28.96	0
3/3/21 14:30	4.388	299.3	17.59	13.3	28.96	0
3/3/21 14:45	5.256	285.4	22.55	13.68	28.96	0
3/3/21 15:00	5.739	276.4	22.3	13.6	28.95	0
3/3/21 15:15	4.196	294.8	17.71	13.63	28.95	0
3/3/21 15:30	3.797	283.4	15.48	13.77	28.95	0
3/3/21 15:45	5.548	270.4	12.99	13.8	28.95	0
3/3/21 16:00	5.891	270.2	10.11	13.72	28.93	0
3/3/21 16:15	6.381	265.5	15.26	13.56	28.93	0
3/3/21 16:30	6.215	278.4	15.56	13.45	28.93	0
3/3/21 16:45	6.142	286.1	10.56	13.2	28.93	0
3/3/21 17:00	5.54	291.9	9.09	12.94	28.94	0
3/3/21 17:15	5.864	294.5	6.537	12.41	28.94	0
3/3/21 17:30	5.952	296.4	5.933	11.89	28.94	0
3/3/21 17:45	6.399	291.1	4.519	11.41	28.94	0
3/3/21 18:00	5.959	293.1	4.503	10.66	28.93	0
3/3/21 18:15	5.803	302.4	5.615	10.22	28.93	0
3/3/21 18:30	6.336	304.4	4.112	9.9	28.93	0
3/3/21 18:45	4.701	323.3	10.43	9.81	28.93	0
3/3/21 19:00	4.106	331.7	5.186	10.15	28.94	0
3/3/21 19:15	4.039	331.8	6.39	10.07	28.94	0
3/3/21 19:30	3.798	340.1	6.895	9.99	28.94	0
3/3/21 19:45	3.315	352.3	10.58	9.66	28.94	0
3/3/21 20:00	2.368	26.65	9.91	8.55	28.95	0
3/3/21 20:15	2.609	64.77	7.424	8.17	28.95	0
3/3/21 20:30	2.864	85.4	6.519	8.03	28.95	0
3/3/21 20:45	3.116	82.6	6.871	7.704	28.95	0
3/3/21 21:00	2.601	144.9	25.16	7.916	28.98	0
3/3/21 21:15	2.798	154.2	32.35	7.871	28.98	0
3/3/21 21:30	3.882	252	12.32	6.531	28.98	0
3/3/21 21:45	5.96	233.4	5.333	5.946	28.98	0
3/3/21 22:00	5.423	189.2	15.77	6.676	29	0
3/3/21 22:15	3.671	146.1	25.89	6.219	29	0
3/3/21 22:30	2.66	90.8	10.56	5.669	29	0
3/3/21 22:45	3.209	96	11.05	5.074	29	0
3/3/21 23:00	3.181	156	38.23	4.931	29.02	0
3/3/21 23:15	5.712	172.8	10.71	4.563	29.02	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/3/21 23:30	5.726	149.8	11.43	4.429	29.02	0
3/3/21 23:45	5.591	130.2	5.999	4.164	29.02	0
3/4/21 0:00	5.923	130.4	5.772	4.116	29.03	0
3/4/21 0:15	7.045	130.3	5.626	4.182	29.03	0
3/4/21 0:30	6.439	131	5.359	4.107	29.03	0
3/4/21 0:45	5.321	165.4	10.9	4.354	29.03	0
3/4/21 1:00	4.245	201.6	37.71	4.027	29.02	0
3/4/21 1:15	2.384	285.1	35.91	4.013	29.02	0
3/4/21 1:30	1.914	308	17.22	4.271	29.02	0
3/4/21 1:45	2.04	256.6	26.79	4.271	29.02	0
3/4/21 2:00	2.755	164.1	37.04	4.178	29.04	0
3/4/21 2:15	3.08	128.1	11.8	3.928	29.04	0
3/4/21 2:30	4.38	132.7	10.24	3.276	29.04	0
3/4/21 2:45	6.211	139.4	9.29	2.929	29.04	0
3/4/21 3:00	5.869	120.7	8.4	3.049	29.04	0
3/4/21 3:15	6.449	139.6	7.109	3.088	29.04	0
3/4/21 3:30	6.849	142.4	4.117	3.091	29.04	0
3/4/21 3:45	5.232	162.1	10.86	2.83	29.04	0
3/4/21 4:00	1.88	203.3	32.57	2.87	29.04	0
3/4/21 4:15	4.188	239.8	17.58	2.666	29.04	0
3/4/21 4:30	3.264	304.1	24.93	3.182	29.04	0
3/4/21 4:45	2.319	16.92	14.45	2.966	29.04	0
3/4/21 5:00	4.097	288.8	25.54	3.247	29.05	0
3/4/21 5:15	3.087	307.5	36.04	3.458	29.05	0
3/4/21 5:30	2.592	288.9	60.6	3.033	29.05	0
3/4/21 5:45	5.269	244.1	8.67	2.826	29.05	0
3/4/21 6:00	4.516	254.5	10.35	3.139	29.09	0
3/4/21 6:15	3.272	222.8	24.92	3.288	29.09	0
3/4/21 6:30	3.945	131.1	15.03	2.472	29.09	0
3/4/21 6:45	4.775	129.9	10.44	2.7	29.09	0
3/4/21 7:00	6.078	121.3	6.111	2.616	29.12	0
3/4/21 7:15	6.086	112.6	6.581	2.891	29.12	0
3/4/21 7:30	5.979	108.8	8.64	3.145	29.12	0
3/4/21 7:45	4.753	139.3	14.06	3.279	29.12	0
3/4/21 8:00	4.13	125.8	19.79	3.394	29.14	0
3/4/21 8:15	3.664	112.9	9.89	3.998	29.14	0
3/4/21 8:30	2.897	102.3	11.31	4.411	29.14	0
3/4/21 8:45	2.303	134.3	23.04	4.808	29.14	0
3/4/21 9:00	2.025	156.6	14.8	5.047	29.16	0
3/4/21 9:15	2.424	176.6	31.97	5.391	29.16	0
3/4/21 9:30	3.953	213.8	14.32	5.476	29.16	0
3/4/21 9:45	2.038	217.9	32.61	5.946	29.16	0
3/4/21 10:00	4.327	230.1	17.77	5.781	29.16	0
3/4/21 10:15	4.183	208.1	29.18	5.859	29.16	0
3/4/21 10:30	3.357	158.3	23.02	6.262	29.16	0
3/4/21 10:45	1.673	147.8	45.24	6.88	29.16	0
3/4/21 11:00	1.884	98.3	42.15	6.952	29.16	0
3/4/21 11:15	1.917	135.3	62.39	7.491	29.16	0
3/4/21 11:30	3.479	99.5	18.97	7.941	29.16	0
3/4/21 11:45	3.356	96.1	34.03	8.51	29.16	0
3/4/21 12:00	3.046	87.2	42.09	9.31	29.18	0
3/4/21 12:15	5.07	129.4	22.15	9.53	29.18	0
3/4/21 12:30	4.465	92.3	32.08	9.93	29.18	0
3/4/21 12:45	5.283	145.3	36.69	10.22	29.18	0
3/4/21 13:00	4.447	105.3	33.64	10.26	29.17	0
3/4/21 13:15	3.531	101.4	40.47	10.24	29.17	0
3/4/21 13:30	2.386	150.6	34.62	10.46	29.17	0
3/4/21 13:45	3.378	170.1	18.16	10.52	29.17	0
3/4/21 14:00	2.507	144.3	63.33	10.69	29.22	0
3/4/21 14:15	1.785	218.5	81	10.78	29.22	0
3/4/21 14:30	2.907	86.5	17.79	10.9	29.22	0
3/4/21 14:45	1.982	71.01	36.79	10.99	29.22	0
3/4/21 15:00	6.268	143	72.95	11.12	29.21	0
3/4/21 15:15	1.813	47.06	66	11.21	29.21	0
3/4/21 15:30	1.901	7.129	8.98	10.93	29.21	0
3/4/21 15:45	2.427	318.7	78.43	11.13	29.21	0
3/4/21 16:00	2.318	214.7	80	11.17	29.24	0
3/4/21 16:15	3.066	257.4	47.81	10.8	29.24	0.01
3/4/21 16:30	3.519	73.9	30.69	9.99	29.24	0
3/4/21 16:45	2.975	33.76	7.605	9.57	29.24	0.01



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/4/21 17:00	2.584	11.14	34.16	9.27	29.23	0.01
3/4/21 17:15	2.516	313.1	50.69	9.44	29.23	0.01
3/4/21 17:30	7.198	210.8	28.77	10.14	29.23	0
3/4/21 17:45	6.27	224.2	10.3	9.43	29.23	0.01
3/4/21 18:00	4.127	62.72	42.98	8.01	29.23	0.02
3/4/21 18:15	3.718	84.6	12.16	7.79	29.23	0.01
3/4/21 18:30	5.441	78.52	9.3	7.935	29.23	0.02
3/4/21 18:45	4.142	62.02	8.35	7.352	29.23	0
3/4/21 19:00	3.499	72.08	29.77	7.761	29.26	0.01
3/4/21 19:15	4.84	101	20.34	7.884	29.26	0.03
3/4/21 19:30	5.416	102.7	19.54	7.722	29.26	0.03
3/4/21 19:45	6.53	89.3	7.129	7.431	29.26	0.03
3/4/21 20:00	5.589	74.41	10.41	7.219	29.26	0.03
3/4/21 20:15	6.258	75.56	11.49	7.175	29.26	0.01
3/4/21 20:30	7.312	87.3	12.42	7.389	29.26	0.02
3/4/21 20:45	6.026	91	14.52	7.822	29.26	0.02
3/4/21 21:00	3.818	51.72	52.44	8.12	29.22	0.03
3/4/21 21:15	4.926	11.8	32.15	7.48	29.22	0
3/4/21 21:30	5.068	355.2	25	7.362	29.22	0
3/4/21 21:45	8.68	21.22	9.27	6.916	29.22	0
3/4/21 22:00	4.541	15.36	30.83	7.093	29.2	0
3/4/21 22:15	5.002	125.1	75.25	7.039	29.2	0
3/4/21 22:30	4.157	64.16	60.48	6.807	29.2	0
3/4/21 22:45	2.896	21.1	54.58	6.842	29.2	0
3/4/21 23:00	4.896	11.8	15.82	6.8	29.18	0
3/4/21 23:15	4.735	40.01	12.55	6.651	29.18	0
3/4/21 23:30	6.135	39.42	7.396	6.571	29.18	0
3/4/21 23:45	5.878	50.03	12.75	6.745	29.18	0
3/5/21 0:00	5.916	38.56	24.53	6.773	29.12	0
3/5/21 0:15	5.603	352.7	25.33	6.62	29.12	0
3/5/21 0:30	4.902	53.04	31.44	6.536	29.12	0.01
3/5/21 0:45	7.764	35.27	10.5	6.486	29.12	0
3/5/21 1:00	5.11	84.8	48.44	6.487	29.07	0
3/5/21 1:15	5.724	294.8	89.9	6.439	29.07	0
3/5/21 1:30	3.859	14	10.11	6.424	29.07	0
3/5/21 1:45	6.53	266.1	74.16	6.75	29.07	0
3/5/21 2:00	7.645	52.77	86.9	7.145	29.04	0
3/5/21 2:15	4.11	32.04	16	6.5	29.04	0
3/5/21 2:30	2.888	110.2	57.24	8.95	29.04	0
3/5/21 2:45	8.24	131.1	33.41	8.41	29.04	0
3/5/21 3:00	7.67	169.7	28.52	7.027	29.07	0
3/5/21 3:15	5.649	212.5	43.67	6.509	29.07	0
3/5/21 3:30	3.937	19.93	39.69	6.253	29.07	0
3/5/21 3:45	2.647	87.8	27.61	6.415	29.07	0
3/5/21 4:00	4.312	108.6	14.75	7.319	29.02	0
3/5/21 4:15	2.654	64.86	25.34	6.846	29.02	0
3/5/21 4:30	4.217	172	14.45	8.25	29.02	0
3/5/21 4:45	3.035	83.7	89.6	7.053	29.02	0
3/5/21 5:00	2.092	252	55.66	7.321	29.04	0
3/5/21 5:15	2.232	251	59.3	7.376	29.04	0
3/5/21 5:30	4.88	220.5	66.89	6.703	29.04	0
3/5/21 5:45	5.091	67.8	30.11	5.984	29.04	0
3/5/21 6:00	5.493	57.07	73.89	6.6	29.03	0
3/5/21 6:15	7.826	143.6	17.22	7.445	29.03	0
3/5/21 6:30	7.6	142.2	21.06	7.936	29.03	0
3/5/21 6:45	4.975	119.7	27.89	7.46	29.03	0
3/5/21 7:00	8.23	175.9	18.27	7.373	29.01	0
3/5/21 7:15	7.892	169	22.9	7.224	29.01	0
3/5/21 7:30	8.05	173.2	24.14	7.721	29.01	0
3/5/21 7:45	5.259	130.2	28.59	8.5	29.01	0
3/5/21 8:00	6.421	114.6	10.33	8.75	29.02	0
3/5/21 8:15	6.747	141.6	30.25	10.19	29.02	0
3/5/21 8:30	9.46	199.5	13.57	10.22	29.02	0
3/5/21 8:45	7.174	186	13.03	10.3	29.02	0
3/5/21 9:00	6.326	187.7	16.89	10.4	29.04	0
3/5/21 9:15	3.179	149.2	25.18	10.1	29.04	0
3/5/21 9:30	7.729	175.4	13.59	10.59	29.04	0
3/5/21 9:45	9.42	157.5	13.92	10.22	29.04	0
3/5/21 10:00	8.53	173.8	18.19	9.94	29.07	0
3/5/21 10:15	8.32	166.9	14.1	9.85	29.07	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/5/21 10:30	8.26	182.1	13.8	9.71	29.07	0
3/5/21 10:45	13.6	198.7	11.97	9.76	29.07	0
3/5/21 11:00	21.61	210.5	7.485	9.15	29.12	0
3/5/21 11:15	19.59	207.7	8.57	8.95	29.12	0.01
3/5/21 11:30	16.8	201.2	8.83	9.03	29.12	0
3/5/21 11:45	15.96	189.8	11.57	9.12	29.12	0
3/5/21 12:00	15.65	183.8	9.81	9.26	29.14	0.01
3/5/21 12:15	14.59	185.3	9.57	9.49	29.14	0
3/5/21 12:30	13.07	181.9	10.86	9.72	29.14	0
3/5/21 12:45	13.46	184.9	13.94	9.84	29.14	0
3/5/21 13:00	14.77	172.3	8.73	9.92	29.14	0
3/5/21 13:15	18.2	174.1	10.57	9.94	29.14	0
3/5/21 13:30	13.48	177.1	11.75	9.89	29.14	0
3/5/21 13:45	13.2	173.6	10.34	9.81	29.14	0
3/5/21 14:00	15.99	181.2	10.51	9.66	29.15	0
3/5/21 14:15	15.42	182.2	9.21	9.59	29.15	0
3/5/21 14:30	13.09	176.3	9.46	9.55	29.15	0
3/5/21 14:45	12.44	170.4	9.67	9.61	29.15	0
3/5/21 15:00	14.24	171.5	10.89	9.58	29.12	0
3/5/21 15:15	12.12	173.7	9.59	9.51	29.12	0
3/5/21 15:30	9.81	173.6	9.35	9.41	29.12	0
3/5/21 15:45	11.79	169.6	8.57	9.32	29.12	0
3/5/21 16:00	11.79	177.3	8.96	9.25	29.14	0
3/5/21 16:15	8.52	176.2	7.793	9.23	29.14	0
3/5/21 16:30	8.88	250.7	40.77	8.32	29.14	0
3/5/21 16:45	6.6	280.9	16.57	7.411	29.14	0
3/5/21 17:00	4.902	311.1	16.65	7.258	29.14	0
3/5/21 17:15	4.085	310.7	8.05	6.966	29.14	0
3/5/21 17:30	4.401	314.4	10.01	6.894	29.14	0
3/5/21 17:45	3.617	306.8	8.67	6.865	29.14	0
3/5/21 18:00	2.383	326.5	20.31	6.959	29.13	0
3/5/21 18:15	2.583	14.07	12.43	6.995	29.13	0
3/5/21 18:30	2.661	31.18	3.72	6.923	29.13	0
3/5/21 18:45	2.414	25.49	3.168	7.225	29.13	0
3/5/21 19:00	1.723	11.25	13.53	7.342	29.13	0
3/5/21 19:15	0.885	2.221	18.53	7.352	29.13	0
3/5/21 19:30	1.365	233.9	58.53	7.607	29.13	0
3/5/21 19:45	3.867	187.2	8.37	7.845	29.13	0
3/5/21 20:00	4.065	186.3	7.856	7.668	29.12	0
3/5/21 20:15	5.146	204	4.741	7.075	29.12	0
3/5/21 20:30	4.496	175.4	16.12	6.09	29.12	0
3/5/21 20:45	3.261	121.1	31.14	6.407	29.12	0
3/5/21 21:00	1.797	60.38	13.32	5.864	29.1	0
3/5/21 21:15	1.669	117.2	36.76	6.274	29.1	0
3/5/21 21:30	3.502	166.6	13.22	6.805	29.1	0
3/5/21 21:45	3.634	163.9	12.48	6.499	29.1	0
3/5/21 22:00	4.859	167	7.487	6.429	29.12	0
3/5/21 22:15	5.352	171.1	6.539	6.077	29.12	0
3/5/21 22:30	6.287	164.4	11.96	5.708	29.12	0
3/5/21 22:45	5.19	149.5	14.83	5.556	29.12	0
3/5/21 23:00	4.351	146.6	11.01	5.652	29.09	0
3/5/21 23:15	4.53	132	7.339	5.877	29.09	0
3/5/21 23:30	4.794	148.8	13.52	5.869	29.09	0
3/5/21 23:45	4.818	158	10.35	5.857	29.09	0
3/6/21 0:00	6.137	166.3	10.39	6.049	29.1	0
3/6/21 0:15	5.769	158.9	7.703	5.824	29.1	0
3/6/21 0:30	5.703	153.3	13.18	5.994	29.1	0
3/6/21 0:45	6.582	157.8	12.51	6.065	29.1	0
3/6/21 1:00	7.114	136.4	10.45	5.794	29.12	0
3/6/21 1:15	7.159	137.9	9.6	5.708	29.12	0
3/6/21 1:30	6.846	139.4	7.724	5.61	29.12	0
3/6/21 1:45	4.939	126.3	7.418	5.683	29.12	0
3/6/21 2:00	5.52	132.4	9.68	5.585	29.11	0
3/6/21 2:15	6.74	142.6	9.64	5.679	29.11	0
3/6/21 2:30	6.057	161.1	7.482	5.635	29.11	0
3/6/21 2:45	6.719	163.4	7.3	5.669	29.11	0
3/6/21 3:00	6.555	166.2	6.237	5.532	29.13	0
3/6/21 3:15	7.591	165.6	7.343	5.471	29.13	0
3/6/21 3:30	8.46	163.7	6.677	5.451	29.13	0
3/6/21 3:45	8.11	155.1	8.76	5.053	29.13	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/6/21 4:00	7.126	148.9	6.805	4.761	29.12	0
3/6/21 4:15	7.4	156.6	8.51	4.942	29.12	0
3/6/21 4:30	5.874	130.5	8.71	4.616	29.12	0
3/6/21 4:45	6.54	136.3	7.444	4.876	29.12	0
3/6/21 5:00	6.93	132.6	7.072	4.804	29.12	0
3/6/21 5:15	5.462	135.1	10	4.972	29.12	0
3/6/21 5:30	4.625	131.7	8.71	4.98	29.12	0
3/6/21 5:45	7.085	139.2	8.77	5.176	29.12	0
3/6/21 6:00	9.6	143.9	5.626	5.191	29.15	0
3/6/21 6:15	9.08	142.8	7.46	5.293	29.15	0
3/6/21 6:30	8.1	154.2	7.241	5.183	29.15	0
3/6/21 6:45	7.393	147	10.26	5.026	29.15	0
3/6/21 7:00	7.058	144.2	9.6	5.114	29.17	0
3/6/21 7:15	8.33	154.1	8.5	5.361	29.17	0
3/6/21 7:30	8.68	156.6	9.41	5.488	29.17	0
3/6/21 7:45	8.83	153.6	9.02	5.545	29.17	0
3/6/21 8:00	9.46	163.2	7.697	5.612	29.16	0
3/6/21 8:15	8.04	154.7	9.97	5.641	29.16	0
3/6/21 8:30	8.24	151	9.07	5.756	29.16	0
3/6/21 8:45	9.78	160.6	8.16	5.926	29.16	0
3/6/21 9:00	9.98	159.1	9.74	6.079	29.2	0
3/6/21 9:15	10.46	158.8	9.15	6.328	29.2	0
3/6/21 9:30	11.12	163.7	10.55	6.488	29.2	0
3/6/21 9:45	11.77	174.7	10.78	6.568	29.2	0
3/6/21 10:00	12.35	177.8	11.84	6.816	29.18	0
3/6/21 10:15	12.63	168.8	10.55	6.93	29.18	0
3/6/21 10:30	13.83	178	10.77	6.658	29.18	0
3/6/21 10:45	13.34	181.7	11.12	6.847	29.18	0
3/6/21 11:00	12.91	184.1	13.83	6.849	29.19	0
3/6/21 11:15	12.82	191.4	12.28	6.912	29.19	0
3/6/21 11:30	12.22	172.2	10.18	7.138	29.19	0
3/6/21 11:45	11.21	176.5	10.38	7.437	29.19	0
3/6/21 12:00	12.15	193.4	10.17	7.634	29.2	0
3/6/21 12:15	14.17	195	9.36	7.66	29.2	0
3/6/21 12:30	13.67	195.5	9.31	7.737	29.2	0
3/6/21 12:45	12.39	192.7	10.44	7.884	29.2	0
3/6/21 13:00	12.3	203.1	15.19	8.09	29.21	0
3/6/21 13:15	10.99	185.8	18.6	8.62	29.21	0
3/6/21 13:30	13.07	177.4	11.59	9.26	29.21	0
3/6/21 13:45	10.91	177	28.03	8.74	29.21	0
3/6/21 14:00	12.51	227.1	15.54	8.48	29.18	0
3/6/21 14:15	11.33	217.3	14.51	8.09	29.18	0
3/6/21 14:30	8.12	205.9	12.6	8.66	29.18	0
3/6/21 14:45	9.57	208	17.08	8.8	29.18	0
3/6/21 15:00	9.2	217	9.71	8.76	29.2	0
3/6/21 15:15	10.95	200.1	17.5	7.987	29.2	0
3/6/21 15:30	9.49	177.9	12.96	8.46	29.2	0
3/6/21 15:45	10.7	204	19.68	8.55	29.2	0
3/6/21 16:00	8.61	222.4	17.44	8.61	29.2	0
3/6/21 16:15	12.18	260.2	12.78	8.08	29.2	0
3/6/21 16:30	12.25	262.9	8.66	7.103	29.2	0
3/6/21 16:45	8.33	267.3	10.21	6.965	29.2	0
3/6/21 17:00	4.28	273	27	6.798	29.2	0
3/6/21 17:15	1.684	344.6	34.11	6.646	29.2	0
3/6/21 17:30	0.152	300.1	6.535	6.59	29.2	0
3/6/21 17:45	0.971	55.6	4.895	6.452	29.2	0
3/6/21 18:00	0.4	329.1	64.09	6.398	29.18	0
3/6/21 18:15	0.336	29.28	12.39	6.364	29.18	0
3/6/21 18:30	0.907	55.48	29.19	6.404	29.18	0
3/6/21 18:45	3.394	90.8	11.09	5.909	29.18	0
3/6/21 19:00	4.063	95.6	11.54	6.026	29.19	0
3/6/21 19:15	3.003	113	18.03	5.946	29.19	0
3/6/21 19:30	2.599	90.7	20.43	6.139	29.19	0
3/6/21 19:45	2.265	78.9	10.82	5.959	29.19	0
3/6/21 20:00	3.239	81.5	11.97	5.779	29.16	0
3/6/21 20:15	4.618	105.8	8.84	5.43	29.16	0
3/6/21 20:30	4.432	126.3	12.76	5.525	29.16	0
3/6/21 20:45	5.301	136.5	13.79	5.526	29.16	0
3/6/21 21:00	4.418	130	9.7	5.462	29.18	0
3/6/21 21:15	4.074	111.6	10.74	5.26	29.18	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/6/21 21:30	4.982	107.5	6.323	5.335	29.18	0
3/6/21 21:45	5.538	99.2	4.914	5.306	29.18	0
3/6/21 22:00	3.438	112.5	13.78	5.424	29.14	0
3/6/21 22:15	3.051	87.9	7.652	5.327	29.14	0
3/6/21 22:30	2.907	85.2	11.11	4.337	29.14	0
3/6/21 22:45	3.41	127.6	15.55	4.519	29.14	0
3/6/21 23:00	5.624	142.5	8.85	5.118	29.12	0
3/6/21 23:15	4.735	124	24.8	4.948	29.12	0
3/6/21 23:30	5.225	111.1	20.02	4.968	29.12	0
3/6/21 23:45	6.318	133.3	8.73	5.185	29.12	0
3/7/21 0:00	6.935	134.3	22.22	5.366	29.11	0
3/7/21 0:15	6.057	130.9	21.38	5.656	29.11	0
3/7/21 0:30	6.402	153.8	18	5.673	29.11	0
3/7/21 0:45	4.074	142.3	32.89	5.641	29.11	0
3/7/21 1:00	4.826	174.4	27.4	5.673	29.12	0
3/7/21 1:15	7.533	178.1	20.56	4.971	29.12	0
3/7/21 1:30	8.77	147.2	15.5	5.612	29.12	0
3/7/21 1:45	6.474	114.6	14.45	5.361	29.12	0
3/7/21 2:00	5.158	105	11.16	5.391	29.07	0
3/7/21 2:15	5.392	76.25	9.16	5.552	29.07	0
3/7/21 2:30	3.566	67.09	18	5.947	29.07	0
3/7/21 2:45	4.097	129.5	39.93	5.939	29.07	0
3/7/21 3:00	5.191	195.2	30.56	5.459	29.07	0
3/7/21 3:15	5.609	182.5	40.16	5.013	29.07	0
3/7/21 3:30	5.092	93.3	30.58	4.728	29.07	0
3/7/21 3:45	2.867	86.4	70.83	4.593	29.07	0
3/7/21 4:00	5.112	114.8	13.56	4.927	29.09	0
3/7/21 4:15	5.748	120.9	15.62	4.79	29.09	0
3/7/21 4:30	6.502	86	13.31	4.449	29.09	0.01
3/7/21 4:45	6.065	78.65	15	4.25	29.09	0
3/7/21 5:00	7.753	109.5	14.9	4.632	29.08	0
3/7/21 5:15	7.174	150.5	23.61	4.873	29.08	0
3/7/21 5:30	7.253	142.3	14.94	4.744	29.08	0.01
3/7/21 5:45	8.58	176.8	28.7	4.687	29.08	0
3/7/21 6:00	9.89	195	10.26	4.311	29.1	0.01
3/7/21 6:15	15.79	183.5	9.75	4.617	29.1	0
3/7/21 6:30	12.31	168.1	8.49	4.466	29.1	0
3/7/21 6:45	12.8	167.9	10.27	4.37	29.1	0
3/7/21 7:00	11.73	167.3	8.74	4.263	29.14	0
3/7/21 7:15	10.43	149.2	11.7	4.073	29.14	0
3/7/21 7:30	8.55	138.9	6.626	3.811	29.14	0
3/7/21 7:45	8.48	130.5	7.957	4.188	29.14	0
3/7/21 8:00	8.52	132	7.395	4.456	29.18	0
3/7/21 8:15	7.993	138.6	7.28	4.576	29.18	0
3/7/21 8:30	6.772	127.6	18.96	4.855	29.18	0
3/7/21 8:45	5.609	119.5	15.91	4.871	29.18	0
3/7/21 9:00	6.44	132.6	12.05	4.951	29.2	0
3/7/21 9:15	7.37	139.7	9.31	5.142	29.2	0
3/7/21 9:30	8.5	147.7	14.43	5.427	29.2	0
3/7/21 9:45	17.15	171.5	12.96	5.434	29.2	0
3/7/21 10:00	17.74	178.9	8.53	5.287	29.22	0
3/7/21 10:15	15.07	171.4	10.91	5.436	29.22	0
3/7/21 10:30	16.84	176.3	11.94	5.379	29.22	0
3/7/21 10:45	16.22	180.4	12.19	5.605	29.22	0
3/7/21 11:00	14.46	181.5	15.61	5.761	29.26	0
3/7/21 11:15	17	190.5	12.83	6.263	29.26	0
3/7/21 11:30	12.92	189.4	14.35	6.848	29.26	0
3/7/21 11:45	13.17	189.4	12.85	7.12	29.26	0
3/7/21 12:00	17.32	176.1	19.52	7.081	29.27	0
3/7/21 12:15	15.13	183.6	10.61	7.023	29.27	0
3/7/21 12:30	21.56	205.3	13.02	6.107	29.27	0
3/7/21 12:45	16.06	214.6	12.09	5.316	29.27	0
3/7/21 13:00	19.48	201.6	11.61	4.228	29.3	0.02
3/7/21 13:15	13.04	233.6	9.08	3.558	29.3	0
3/7/21 13:30	4.773	225.3	39.29	3.706	29.3	0
3/7/21 13:45	8.09	174.3	23.75	4.411	29.3	0
3/7/21 14:00	13.47	174.8	12.26	4.61	29.32	0
3/7/21 14:15	16.81	160.9	11.47	4.545	29.32	0
3/7/21 14:30	13.27	142.6	11.84	4.717	29.32	0
3/7/21 14:45	13.36	144.9	16.34	5.119	29.32	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/7/21 15:00	11.09	136.6	14.63	5.606	29.31	0
3/7/21 15:15	9.55	139	13.95	5.746	29.31	0
3/7/21 15:30	11.58	157	16.22	5.684	29.31	0
3/7/21 15:45	11.45	156.6	15.93	6.213	29.31	0
3/7/21 16:00	8.75	174.2	17.3	6.384	29.33	0
3/7/21 16:15	7.478	154	15.31	6.377	29.33	0
3/7/21 16:30	10.51	158.4	12.4	6.518	29.33	0
3/7/21 16:45	11.04	165.4	10.42	6.758	29.33	0
3/7/21 17:00	10.4	181.5	8.17	6.723	29.33	0
3/7/21 17:15	11.79	185.6	8.09	6.78	29.33	0
3/7/21 17:30	13.89	179.6	8.19	6.527	29.33	0
3/7/21 17:45	13.92	215.4	21.41	5.553	29.33	0.01
3/7/21 18:00	8.42	250.4	19.82	4.226	29.32	0.01
3/7/21 18:15	3.68	153.6	17.75	3.996	29.32	0
3/7/21 18:30	6.104	132	8.95	4.227	29.32	0
3/7/21 18:45	6.85	190.9	60.33	4.365	29.32	0
3/7/21 19:00	3.289	214.8	25.88	4.348	29.34	0
3/7/21 19:15	4.208	243.1	25.75	4.274	29.34	0
3/7/21 19:30	4.427	293.9	11.54	3.735	29.34	0
3/7/21 19:45	2.604	349.3	33.2	3.495	29.34	0
3/7/21 20:00	3.213	64.25	6.849	3.703	29.37	0
3/7/21 20:15	3.643	79.33	30.64	4.053	29.37	0
3/7/21 20:30	4.068	122.2	7.063	4.117	29.37	0
3/7/21 20:45	3.653	118.4	8.36	4.172	29.37	0
3/7/21 21:00	3.552	124.4	8	4.306	29.37	0
3/7/21 21:15	4.603	127.6	6.984	4.476	29.37	0
3/7/21 21:30	4.372	121.9	8.96	4.429	29.37	0
3/7/21 21:45	4.658	118.4	8.2	3.707	29.37	0
3/7/21 22:00	5.639	125.4	8.66	4.282	29.36	0
3/7/21 22:15	4.496	107.7	8.87	4.005	29.36	0
3/7/21 22:30	3.283	53.14	16.88	3.005	29.36	0
3/7/21 22:45	3.881	38.03	4.921	2.38	29.36	0
3/7/21 23:00	3.955	39.6	4.948	2.31	29.34	0
3/7/21 23:15	3.854	49.41	6.424	2.197	29.34	0
3/7/21 23:30	2.62	71.59	4.425	2.021	29.34	0
3/7/21 23:45	2.532	95.8	12.88	2.378	29.34	0
3/8/21 0:00	2.708	41.23	12.24	2.364	29.32	0
3/8/21 0:15	3.534	27.52	5.133	2.14	29.32	0
3/8/21 0:30	5.069	43.09	5.462	1.73	29.32	0
3/8/21 0:45	3.48	71.15	25.64	1.823	29.32	0
3/8/21 1:00	3.174	153	4.807	2.715	29.28	0
3/8/21 1:15	3.172	135.4	12.72	2.479	29.28	0
3/8/21 1:30	3.437	147.2	11.5	2.63	29.28	0
3/8/21 1:45	2.772	130.4	23.64	2.309	29.28	0
3/8/21 2:00	1.954	93.7	21.62	1.254	29.27	0
3/8/21 2:15	2.717	34.19	12.54	1.441	29.27	0
3/8/21 2:30	1.985	52.24	6.57	1.23	29.27	0
3/8/21 2:45	4.128	39.56	5.225	1.206	29.27	0
3/8/21 3:00	4.077	38.48	8.72	1.103	29.25	0
3/8/21 3:15	1.925	28.81	28.78	0.743	29.25	0
3/8/21 3:30	2.682	18.41	7.223	0.792	29.25	0
3/8/21 3:45	4.544	21.85	5.848	0.81	29.25	0
3/8/21 4:00	5.048	23.91	8.27	0.35	29.2	0
3/8/21 4:15	4.707	26.31	8.98	0.36	29.2	0
3/8/21 4:30	5.949	30.1	7.09	-0.056	29.2	0
3/8/21 4:45	4.523	32.67	7.035	0.151	29.2	0
3/8/21 5:00	5.135	29.61	7.122	0.01	29.21	0
3/8/21 5:15	5.133	15.86	6.788	0.41	29.21	0
3/8/21 5:30	3.501	19.01	10.45	0.274	29.21	0
3/8/21 5:45	3.796	21.47	15.79	0.273	29.21	0
3/8/21 6:00	4.342	30.63	6.928	0.091	29.19	0
3/8/21 6:15	4.343	26.41	6.022	0.414	29.19	0
3/8/21 6:30	4.625	27.52	8.14	-0.258	29.19	0
3/8/21 6:45	4.6	26.89	7.81	0.13	29.19	0
3/8/21 7:00	3.343	41.47	18.49	0.368	29.17	0
3/8/21 7:15	2.595	69.07	25.82	0.758	29.17	0
3/8/21 7:30	3.216	55.99	21.58	1.241	29.17	0
3/8/21 7:45	3.313	107.9	15.71	3.066	29.17	0
3/8/21 8:00	3.964	120.5	9.5	4.234	29.17	0
3/8/21 8:15	5.775	131.5	8.83	4.704	29.17	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/8/21 8:30	6.392	110.3	13.1	5.26	29.17	0
3/8/21 8:45	6.569	106.7	10.92	5.561	29.17	0
3/8/21 9:00	6.107	109.9	18.09	6.043	29.15	0
3/8/21 9:15	6.661	131.7	13.02	6.735	29.15	0
3/8/21 9:30	8.38	121.4	14.2	7.376	29.15	0
3/8/21 9:45	10.46	126.5	13.6	7.874	29.15	0
3/8/21 10:00	11.84	121.5	15.84	8.39	29.13	0
3/8/21 10:15	12.32	125.8	14.1	8.93	29.13	0
3/8/21 10:30	10.86	126	14.12	9.45	29.13	0
3/8/21 10:45	8.47	127.8	18.23	9.86	29.13	0
3/8/21 11:00	11.78	122	17.87	9.94	29.11	0
3/8/21 11:15	12.67	112.3	13.13	10.06	29.11	0
3/8/21 11:30	12.07	125.4	13.05	10.37	29.11	0
3/8/21 11:45	12.11	115.8	15.4	10.44	29.11	0
3/8/21 12:00	9.81	121.6	23.21	10.73	29.13	0
3/8/21 12:15	10.38	121.2	13.7	10.79	29.13	0
3/8/21 12:30	8.88	124.8	16.55	11.2	29.13	0
3/8/21 12:45	9.75	106.3	17.12	11.12	29.13	0
3/8/21 13:00	9.25	132.1	21.63	11.32	29.12	0
3/8/21 13:15	7.314	104.3	19.42	11.76	29.12	0
3/8/21 13:30	10.08	119	17.69	11.63	29.12	0
3/8/21 13:45	10.59	126.9	15.92	11.37	29.12	0
3/8/21 14:00	11.08	118.3	17.83	11.19	29.12	0
3/8/21 14:15	9.13	126.3	17.95	11.34	29.12	0
3/8/21 14:30	8.83	143.8	14	11.29	29.12	0
3/8/21 14:45	8.36	159.1	59.91	10.76	29.12	0
3/8/21 15:00	9.42	271.1	7.961	9.61	29.11	0
3/8/21 15:15	6.18	260.7	8.06	9.58	29.11	0
3/8/21 15:30	6.407	278.8	11.87	9.63	29.11	0
3/8/21 15:45	6.52	285.8	6.845	9.62	29.11	0
3/8/21 16:00	6.359	270.6	11.17	9.57	29.12	0
3/8/21 16:15	4.747	280.2	15.11	9.57	29.12	0
3/8/21 16:30	5.693	290.7	8.55	9.41	29.12	0
3/8/21 16:45	4.981	280.3	10.26	9.25	29.12	0
3/8/21 17:00	5.813	287.6	7.254	8.95	29.1	0
3/8/21 17:15	4.799	287.7	6.607	8.69	29.1	0
3/8/21 17:30	3.121	292.7	5.714	8.46	29.1	0
3/8/21 17:45	2.03	316.2	13.27	8.46	29.1	0
3/8/21 18:00	1.956	0.037	12.39	8.38	29.1	0
3/8/21 18:15	1.772	11.07	6.532	8.19	29.1	0
3/8/21 18:30	1.572	32.83	11.99	8.15	29.1	0
3/8/21 18:45	1.213	30.22	5.689	7.949	29.1	0
3/8/21 19:00	0.997	23.82	7.77	8.02	29.13	0
3/8/21 19:15	1.596	87.5	27.01	7.791	29.13	0
3/8/21 19:30	2.346	109.6	13.97	7.01	29.13	0
3/8/21 19:45	2.96	93.5	18.12	6.692	29.13	0
3/8/21 20:00	3.254	145.2	30.89	6.439	29.12	0
3/8/21 20:15	2.101	168	31.39	6.686	29.12	0
3/8/21 20:30	4.293	193.5	18.22	6.76	29.12	0
3/8/21 20:45	6.206	171.5	14.52	6.2	29.12	0
3/8/21 21:00	3.144	121.1	60.22	5.94	29.14	0
3/8/21 21:15	4.568	71.78	13.14	5.74	29.14	0
3/8/21 21:30	3.998	115	16.17	6.016	29.14	0
3/8/21 21:45	6.1	176.8	25.92	5.723	29.14	0
3/8/21 22:00	7.24	193.3	7.612	5.367	29.13	0
3/8/21 22:15	4.432	142.8	45.83	5.975	29.13	0
3/8/21 22:30	4.226	77.36	6.381	5.302	29.13	0
3/8/21 22:45	4.142	53.69	15	5.569	29.13	0
3/8/21 23:00	3.272	74.93	4.826	6.078	29.16	0
3/8/21 23:15	3.386	97.9	11.46	6.973	29.16	0
3/8/21 23:30	4.545	192.9	44.84	6.212	29.16	0
3/8/21 23:45	8.1	226.7	9.58	5.417	29.16	0
3/9/21 0:00	5.502	211.8	14.08	5.242	29.15	0
3/9/21 0:15	3.363	90.5	42.72	4.914	29.15	0
3/9/21 0:30	4.496	76.72	7.853	4.514	29.15	0
3/9/21 0:45	4.262	83.4	9.14	4.746	29.15	0
3/9/21 1:00	4.48	91.2	8.68	4.956	29.14	0
3/9/21 1:15	3.916	108.2	8.23	5.26	29.14	0
3/9/21 1:30	2.813	119.2	10.83	5.238	29.14	0
3/9/21 1:45	2.233	132.6	14.64	5.027	29.14	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/9/21 2:00	3.083	162.6	32.29	4.932	29.15	0
3/9/21 2:15	4.192	176.3	18.5	4.409	29.15	0
3/9/21 2:30	3.763	153.8	18.12	4.558	29.15	0
3/9/21 2:45	2.045	120.1	24.25	4.711	29.15	0
3/9/21 3:00	1.608	81.7	5.519	4.464	29.14	0
3/9/21 3:15	2.05	61.08	6.786	4.126	29.14	0
3/9/21 3:30	0.838	76.73	13.25	4.595	29.14	0
3/9/21 3:45	2.483	84.6	7.888	4.116	29.14	0
3/9/21 4:00	2.943	81.9	6.304	4.209	29.14	0
3/9/21 4:15	3.508	101	15.04	3.729	29.14	0
3/9/21 4:30	3.061	115.9	22.7	4.171	29.14	0
3/9/21 4:45	4.459	60.72	17.92	2.648	29.14	0
3/9/21 5:00	6.457	68.93	12.47	2.554	29.13	0
3/9/21 5:15	6.716	46.67	6.397	2.899	29.13	0
3/9/21 5:30	6.443	54.84	15.06	3.393	29.13	0
3/9/21 5:45	5.152	104.7	49.95	3.244	29.13	0
3/9/21 6:00	4.795	63.49	28.21	4.237	29.12	0
3/9/21 6:15	4.908	144.8	42.6	3.4	29.12	0
3/9/21 6:30	4.164	109.7	52.19	3.455	29.12	0
3/9/21 6:45	1.835	16.69	18.1	2.805	29.12	0
3/9/21 7:00	4.21	156	33.94	3.254	29.12	0
3/9/21 7:15	1.799	54.11	48.78	3.79	29.12	0
3/9/21 7:30	1.788	74.19	24.56	4.602	29.12	0
3/9/21 7:45	1.683	105.1	31.73	5.082	29.12	0
3/9/21 8:00	2.825	141.9	28.75	4.839	29.12	0
3/9/21 8:15	3.468	113.8	22.4	5.264	29.12	0
3/9/21 8:30	5.277	138	19.12	5.743	29.12	0
3/9/21 8:45	4.92	99	12.62	6.012	29.12	0
3/9/21 9:00	3.624	179.5	34.76	6.36	29.15	0
3/9/21 9:15	8.67	216.7	13.14	6.001	29.15	0
3/9/21 9:30	6.355	280.2	31.39	5.68	29.15	0
3/9/21 9:45	5.13	304	11.32	5.507	29.15	0
3/9/21 10:00	6.5	275.6	11.99	5.582	29.14	0
3/9/21 10:15	5.491	295.1	12.61	5.47	29.14	0
3/9/21 10:30	3.23	0.658	36.15	5.856	29.14	0
3/9/21 10:45	3.136	41.13	14.35	6.353	29.14	0
3/9/21 11:00	1.694	240	44.37	7.16	29.18	0
3/9/21 11:15	1.416	219.4	38	8.17	29.18	0
3/9/21 11:30	3.214	285.5	29.21	8.62	29.18	0
3/9/21 11:45	4.679	265.7	14.96	8.58	29.18	0
3/9/21 12:00	3.267	281.2	15.73	8.59	29.16	0
3/9/21 12:15	1.44	280.1	19.57	9.05	29.16	0
3/9/21 12:30	1.407	282	32.66	9.5	29.16	0
3/9/21 12:45	0.912	310.6	40.84	10.28	29.16	0
3/9/21 13:00	2.776	206.4	40.77	10.2	29.16	0
3/9/21 13:15	3.133	195.3	42.31	10.23	29.16	0
3/9/21 13:30	5.679	184.6	27.03	10.37	29.16	0
3/9/21 13:45	4.908	219	38.94	10.37	29.16	0
3/9/21 14:00	5.091	228.1	27.48	10.5	29.14	0
3/9/21 14:15	9.26	222.6	9.98	10.18	29.14	0
3/9/21 14:30	9.56	239.6	9.03	9.78	29.14	0
3/9/21 14:45	9.16	232.5	11.76	9.82	29.14	0
3/9/21 15:00	8.56	249.5	11.48	9.7	29.14	0
3/9/21 15:15	6.919	233.2	19.84	9.5	29.14	0
3/9/21 15:30	5.133	234.1	20.08	9.42	29.14	0
3/9/21 15:45	4.634	222.6	25.12	9.18	29.14	0
3/9/21 16:00	2.047	173.5	74.69	9.25	29.14	0
3/9/21 16:15	2.125	30.11	25.71	9.6	29.14	0
3/9/21 16:30	4.101	328.8	28.55	10.09	29.14	0
3/9/21 16:45	7.189	291.5	16.48	9.99	29.14	0
3/9/21 17:00	10.01	277.6	12.52	8.93	29.14	0
3/9/21 17:15	7.814	292.4	10.15	8.38	29.14	0
3/9/21 17:30	9.91	160.6	46.65	6.959	29.14	0.04
3/9/21 17:45	8.11	118.9	26.85	4.848	29.14	0.01
3/9/21 18:00	5.104	17.58	20.7	5.015	29.14	0.03
3/9/21 18:15	7.677	311.5	13.13	4.95	29.14	0.01
3/9/21 18:30	6.109	292.5	5.575	4.693	29.14	0
3/9/21 18:45	4.764	307.6	10.53	4.392	29.14	0
3/9/21 19:00	2.64	330.9	17.77	4.181	29.14	0
3/9/21 19:15	3.482	1.282	17.32	4.006	29.14	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/9/21 19:30	4.187	51.61	6.684	4.362	29.14	0
3/9/21 19:45	3.405	62.3	20.01	3.971	29.14	0
3/9/21 20:00	4.011	25.86	8.43	3.872	29.14	0
3/9/21 20:15	3.605	31.32	10.46	3.618	29.14	0
3/9/21 20:30	2.59	35.55	14.61	3.691	29.14	0.01
3/9/21 20:45	4.652	40.92	8.37	3.822	29.14	0
3/9/21 21:00	5.829	30.58	12.18	3.312	29.13	0
3/9/21 21:15	5.537	20.81	5.443	2.954	29.13	0
3/9/21 21:30	2.931	36.39	24.65	2.859	29.13	0
3/9/21 21:45	3.305	51.76	16.73	2.804	29.13	0
3/9/21 22:00	3.455	26.49	12.8	2.471	29.13	0
3/9/21 22:15	3.035	36.48	7.11	2.388	29.13	0
3/9/21 22:30	5.005	27.71	8.8	2.814	29.13	0
3/9/21 22:45	4.362	15.61	4.214	2.414	29.13	0
3/9/21 23:00	4.418	27.44	6.365	2.676	29.12	0
3/9/21 23:15	4.833	11.23	4.209	1.95	29.12	0
3/9/21 23:30	4.21	9.87	10.62	2.167	29.12	0
3/9/21 23:45	4.045	29.18	8.54	2.403	29.12	0
3/10/21 0:00	4.675	15.27	9.67	2.358	29.1	0
3/10/21 0:15	5.495	18.23	6.267	1.856	29.1	0
3/10/21 0:30	4.887	27.29	4.438	1.602	29.1	0
3/10/21 0:45	4.221	26.95	5.967	1.298	29.1	0
3/10/21 1:00	3.974	18.78	9.49	1.051	29.11	0
3/10/21 1:15	4.379	27	11.68	0.708	29.11	0
3/10/21 1:30	4.537	13.01	11.62	0.714	29.11	0
3/10/21 1:45	3.345	23.21	9.43	0.935	29.11	0
3/10/21 2:00	1.91	102.8	40.99	0.701	29.14	0
3/10/21 2:15	0.408	124.5	16.42	0.267	29.14	0
3/10/21 2:30	2.513	21.18	6.07	0.457	29.14	0
3/10/21 2:45	2.582	16.86	3.394	0.859	29.14	0
3/10/21 3:00	3.313	18.18	8.12	1.369	29.12	0
3/10/21 3:15	1.413	42.32	14.18	0.764	29.12	0
3/10/21 3:30	2.98	14.77	5.043	1.025	29.12	0
3/10/21 3:45	2.84	19.12	6.132	0.92	29.12	0
3/10/21 4:00	1.976	40.72	18.24	0.957	29.11	0
3/10/21 4:15	2.47	16.84	10.04	1.121	29.11	0
3/10/21 4:30	2.394	21.28	11.39	1.004	29.11	0
3/10/21 4:45	2.219	31.3	6.488	0.944	29.11	0
3/10/21 5:00	2.234	41.79	7.461	0.841	29.13	0
3/10/21 5:15	2.19	46.24	14.85	0.919	29.13	0
3/10/21 5:30	1.328	79.56	1.752	0.415	29.13	0
3/10/21 5:45	0.943	62.28	4.841	0.722	29.13	0
3/10/21 6:00	0.708	35.12	12.97	0.784	29.12	0
3/10/21 6:15	0.011	16.34	0.409	1.024	29.12	0
3/10/21 6:30	0.599	358.8	9.4	1.412	29.12	0
3/10/21 6:45	2.216	330.9	11.3	1.262	29.12	0
3/10/21 7:00	2.658	354.6	12.68	0.982	29.13	0
3/10/21 7:15	3.149	331.4	13.38	1.163	29.13	0
3/10/21 7:30	1.814	108.8	80.5	0.333	29.13	0
3/10/21 7:45	2.664	38.78	17.36	-0.214	29.13	0
3/10/21 8:00	3.716	17.82	8.01	-0.244	29.15	0
3/10/21 8:15	2.304	17.49	8.2	-0.121	29.15	0
3/10/21 8:30	3.005	14.73	5.813	0.02	29.15	0
3/10/21 8:45	2.546	15.8	10.71	0.564	29.15	0
3/10/21 9:00	1.446	25.17	35.76	1.109	29.15	0
3/10/21 9:15	1.764	122.9	28.68	1.717	29.15	0.01
3/10/21 9:30	2.268	133.5	22.06	2.684	29.15	0
3/10/21 9:45	2.277	172.6	27.77	3.165	29.15	0
3/10/21 10:00	3.116	233.7	21.13	3.365	29.15	0
3/10/21 10:15	2.647	212	21.54	3.929	29.15	0
3/10/21 10:30	1.061	244.9	45.1	4.813	29.15	0
3/10/21 10:45	1.606	74.17	43.6	5.955	29.15	0
3/10/21 11:00	1.462	57.72	72.7	6.724	29.14	0
3/10/21 11:15	2.152	250.1	29.54	6.534	29.14	0
3/10/21 11:30	2.949	292	18.89	6.73	29.14	0
3/10/21 11:45	4.098	326.1	28.07	7.423	29.14	0
3/10/21 12:00	3.743	348.8	27.19	7.522	29.17	0
3/10/21 12:15	3.936	307.3	24.65	7.919	29.17	0
3/10/21 12:30	5.347	302.4	22.94	8.34	29.17	0
3/10/21 12:45	2.53	308.9	45.82	8.42	29.17	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/10/21 13:00	5.249	27.4	22.1	8.75	29.13	0
3/10/21 13:15	5.017	22.06	27.49	9.1	29.13	0
3/10/21 13:30	4.341	343.4	25.14	9.5	29.13	0
3/10/21 13:45	6.604	319.3	16.1	9.15	29.13	0
3/10/21 14:00	6.447	311.8	13.4	9.06	29.12	0
3/10/21 14:15	4.802	327.6	23.66	9.38	29.12	0
3/10/21 14:30	7.76	320.6	18.57	9.75	29.12	0
3/10/21 14:45	6.967	320.5	11.94	9.82	29.12	0
3/10/21 15:00	7.286	316.6	23.65	9.45	29.13	0
3/10/21 15:15	6.521	330.5	23.38	10.01	29.13	0
3/10/21 15:30	8.4	314	11.72	9.52	29.13	0
3/10/21 15:45	8.01	319	7.931	9.4	29.13	0
3/10/21 16:00	9.07	336.1	7.4	9.25	29.13	0
3/10/21 16:15	8.11	344.4	11.35	8.86	29.13	0
3/10/21 16:30	10.81	346.2	17.18	9.34	29.13	0
3/10/21 16:45	10.32	315	9.94	9.4	29.13	0
3/10/21 17:00	12.65	312.5	6.735	9.01	29.14	0
3/10/21 17:15	11.18	318.2	10.97	8.68	29.14	0
3/10/21 17:30	8.57	316.1	10.98	8.51	29.14	0
3/10/21 17:45	9.55	332.2	10.66	8.14	29.14	0
3/10/21 18:00	8.99	330.5	13.12	7.655	29.14	0
3/10/21 18:15	10.05	326.7	10.2	7.099	29.14	0
3/10/21 18:30	8.98	326.6	15.69	6.71	29.14	0
3/10/21 18:45	7.717	330.5	18.09	6.423	29.14	0
3/10/21 19:00	6.247	321	23.46	6.297	29.2	0
3/10/21 19:15	4.321	299.4	32.54	6.094	29.2	0
3/10/21 19:30	3.445	294.7	38.36	6.057	29.2	0
3/10/21 19:45	3.5	303.1	42.91	6.017	29.2	0
3/10/21 20:00	2.53	324.1	31.7	5.934	29.2	0
3/10/21 20:15	6.06	353.2	24.44	5.894	29.2	0
3/10/21 20:30	3.097	4.352	26.21	5.602	29.2	0
3/10/21 20:45	5.919	11.57	19.17	5.563	29.2	0
3/10/21 21:00	6.225	10.99	22.36	5.442	29.24	0
3/10/21 21:15	2.792	30.61	27.39	5.107	29.24	0
3/10/21 21:30	3.29	41.35	27.87	4.706	29.24	0
3/10/21 21:45	3.728	29.84	19.7	4.719	29.24	0
3/10/21 22:00	4.43	27.52	18.53	4.566	29.26	0
3/10/21 22:15	4.683	25.92	20.72	4.716	29.26	0
3/10/21 22:30	4.677	24.51	13.55	4.371	29.26	0
3/10/21 22:45	6.504	20.95	8.37	3.673	29.26	0
3/10/21 23:00	7.895	19.44	6.263	3.657	29.28	0
3/10/21 23:15	6.22	19.97	6.508	3.597	29.28	0
3/10/21 23:30	6.024	14.17	7.304	3.601	29.28	0
3/10/21 23:45	6.425	25.48	7.58	3.306	29.28	0
3/11/21 0:00	5.344	17.47	10.87	2.83	29.29	0
3/11/21 0:15	7.722	21.36	7.202	2.852	29.29	0
3/11/21 0:30	8.44	24.05	7.646	2.667	29.29	0
3/11/21 0:45	9.42	17.84	6.882	2.737	29.29	0
3/11/21 1:00	7.54	3.302	12.52	2.504	29.3	0
3/11/21 1:15	5.953	5.405	14.89	2.793	29.3	0
3/11/21 1:30	6.296	8.55	13.82	3.177	29.3	0
3/11/21 1:45	6.19	24.95	9.67	2.767	29.3	0
3/11/21 2:00	7.7	27.99	15.16	3.464	29.32	0
3/11/21 2:15	6.004	36.13	8.98	2.829	29.32	0
3/11/21 2:30	5.971	38.71	11.08	2.993	29.32	0
3/11/21 2:45	6.003	28.27	8.8	3.003	29.32	0
3/11/21 3:00	5.185	32.49	7.915	2.941	29.33	0
3/11/21 3:15	5.695	24.98	8.96	3.211	29.33	0
3/11/21 3:30	3.61	33.22	22.05	3.217	29.33	0
3/11/21 3:45	2.118	0.665	16.65	3.172	29.33	0
3/11/21 4:00	1.891	41.22	51.85	2.39	29.34	0
3/11/21 4:15	2.757	207.4	19.56	1.35	29.34	0
3/11/21 4:30	3.72	182.2	7.896	1.15	29.34	0
3/11/21 4:45	3.308	165	8.39	1.164	29.34	0
3/11/21 5:00	2.553	128	18.54	0.997	29.36	0
3/11/21 5:15	2.74	115.3	4.402	1.637	29.36	0
3/11/21 5:30	2.93	122.1	12.99	1.225	29.36	0
3/11/21 5:45	1.555	186.2	45.66	1.47	29.36	0
3/11/21 6:00	2.038	205.6	45.71	0.271	29.38	0
3/11/21 6:15	0.851	349.7	48.47	0.715	29.38	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/11/21 6:30	0.133	21.61	0.018	1.115	29.38	0
3/11/21 6:45	0.331	188.2	38.33	1.425	29.38	0
3/11/21 7:00	2.208	127.2	11.55	1.426	29.38	0
3/11/21 7:15	2	102.5	18.71	1.934	29.38	0
3/11/21 7:30	0.242	359.8	38.83	1.674	29.38	0
3/11/21 7:45	0.421	219.4	50.84	2.017	29.38	0
3/11/21 8:00	2.754	290.4	11.7	2.387	29.41	0
3/11/21 8:15	1.352	108	50.09	3.137	29.41	0
3/11/21 8:30	1.252	322.4	54.09	3.828	29.41	0
3/11/21 8:45	1.635	61.07	24.34	4.18	29.41	0
3/11/21 9:00	2.557	91.3	11.65	4.247	29.42	0
3/11/21 9:15	1.061	52.39	32.01	5.253	29.42	0
3/11/21 9:30	2.844	38.22	16.25	5.336	29.42	0
3/11/21 9:45	3.174	2.891	24.58	5.6	29.42	0
3/11/21 10:00	1.935	346.9	45.33	6.079	29.45	0
3/11/21 10:15	1.836	351.3	33.42	6.82	29.45	0
3/11/21 10:30	3.329	18.09	27.21	6.713	29.45	0
3/11/21 10:45	1.233	3.875	58.22	7.587	29.45	0
3/11/21 11:00	2.545	242.1	32.38	7.452	29.43	0
3/11/21 11:15	1.88	270.8	37.86	7.998	29.43	0
3/11/21 11:30	1.763	274.4	36.65	8.47	29.43	0
3/11/21 11:45	1.943	187.3	60.81	9.03	29.43	0
3/11/21 12:00	2.273	339.9	23.85	9.27	29.45	0
3/11/21 12:15	1.949	283.8	55.37	9.72	29.45	0
3/11/21 12:30	6.55	266.9	18.33	9.77	29.45	0
3/11/21 12:45	6.736	266	24.56	9.98	29.45	0
3/11/21 13:00	8.08	281.6	14.77	10.08	29.44	0
3/11/21 13:15	9.08	272.1	9.75	10.15	29.44	0
3/11/21 13:30	5.362	277.7	22.51	10.39	29.44	0
3/11/21 13:45	5.745	279.2	13.87	10.62	29.44	0
3/11/21 14:00	7.252	276.6	18.11	10.73	29.43	0
3/11/21 14:15	6.327	280.1	12.35	10.98	29.43	0
3/11/21 14:30	4.619	285.8	22.73	11.32	29.43	0
3/11/21 14:45	4.419	312.1	44.82	11.32	29.43	0
3/11/21 15:00	5.343	321.6	24.84	11.56	29.42	0
3/11/21 15:15	5.025	310.1	20.6	11.77	29.42	0
3/11/21 15:30	5.267	303.7	25.07	11.68	29.42	0
3/11/21 15:45	4.116	305.7	19.84	11.62	29.42	0
3/11/21 16:00	4.195	294.4	20.43	11.85	29.44	0
3/11/21 16:15	5.045	300.8	16.85	11.69	29.44	0
3/11/21 16:30	5.422	291.8	20.67	11.55	29.44	0
3/11/21 16:45	6.186	288.7	11.29	11.38	29.44	0
3/11/21 17:00	6.544	290.5	9.98	11.16	29.44	0
3/11/21 17:15	6.494	286.6	8.12	10.95	29.44	0
3/11/21 17:30	6.673	287.3	6.037	10.58	29.44	0
3/11/21 17:45	7.61	288.5	5.257	10.04	29.44	0
3/11/21 18:00	7.151	289	4.463	9.35	29.44	0
3/11/21 18:15	7.209	294.4	4.246	8.73	29.44	0
3/11/21 18:30	6.827	300.4	4.146	8.35	29.44	0
3/11/21 18:45	5.455	306.6	3.348	8.46	29.44	0
3/11/21 19:00	4.515	316.7	9.81	8.7	29.45	0
3/11/21 19:15	2.172	349.2	12.63	8.55	29.45	0
3/11/21 19:30	2.457	31.94	11.07	7.998	29.45	0
3/11/21 19:45	3.935	49.68	6.412	7.523	29.45	0
3/11/21 20:00	3.988	44.59	6.254	6.754	29.44	0
3/11/21 20:15	3.188	55.73	7.709	6.733	29.44	0
3/11/21 20:30	3.329	53.98	10.49	6.844	29.44	0
3/11/21 20:45	2.146	117.5	29.7	7.018	29.44	0
3/11/21 21:00	3.215	146	6.552	7.397	29.46	0
3/11/21 21:15	2.706	147.8	4.53	6.426	29.46	0
3/11/21 21:30	2.462	103.8	14.16	5.287	29.46	0
3/11/21 21:45	3.177	139.1	11.94	5.882	29.46	0
3/11/21 22:00	3.719	167.9	8.76	5.137	29.47	0
3/11/21 22:15	4.119	172	6.69	4.897	29.47	0
3/11/21 22:30	4.267	173.6	5.526	4.505	29.47	0
3/11/21 22:45	3.445	156.1	10.1	4.559	29.47	0
3/11/21 23:00	3.849	150.6	8.02	4.714	29.46	0
3/11/21 23:15	3.524	133	8.18	4.876	29.46	0
3/11/21 23:30	2.862	133.4	10.78	4.725	29.46	0
3/11/21 23:45	3.448	152	4.614	4.831	29.46	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/12/21 0:00	2.986	159.5	6.326	4.877	29.47	0
3/12/21 0:15	2.429	151.3	17.81	4.728	29.47	0
3/12/21 0:30	0.31	60.55	1.942	4.012	29.47	0
3/12/21 0:45	1.016	87.1	6.85	4.399	29.47	0
3/12/21 1:00	2.712	142.4	25.25	4.445	29.47	0
3/12/21 1:15	3.596	162.3	3.913	4.124	29.47	0
3/12/21 1:30	3.937	165.2	4.811	4.055	29.47	0
3/12/21 1:45	3.875	160.9	6.267	3.534	29.47	0
3/12/21 2:00	4.003	175.8	5.91	3.121	29.48	0
3/12/21 2:15	4.919	182.7	6.357	2.675	29.48	0
3/12/21 2:30	5.047	177.2	4.568	2.674	29.48	0
3/12/21 2:45	4.756	171.8	5.088	2.591	29.48	0
3/12/21 3:00	5.031	178.6	6.77	2.378	29.49	0
3/12/21 3:15	5.322	181.2	7.089	2.467	29.49	0
3/12/21 3:30	4.698	169.6	9.36	2.436	29.49	0
3/12/21 3:45	3.397	135.8	9.44	3.148	29.49	0
3/12/21 4:00	1.389	110	11.15	3.138	29.48	0
3/12/21 4:15	0.285	125.7	7.288	3.057	29.48	0
3/12/21 4:30	2.763	150.9	6.695	3.462	29.48	0
3/12/21 4:45	3.947	159.6	5.88	3.486	29.48	0
3/12/21 5:00	3.652	163.6	5.692	3.62	29.47	0
3/12/21 5:15	3.428	149.6	6.703	3.406	29.47	0
3/12/21 5:30	2.683	134.1	4.97	3.401	29.47	0
3/12/21 5:45	3.184	122.9	6.28	3.724	29.47	0
3/12/21 6:00	2.119	130.6	11.44	3.353	29.48	0
3/12/21 6:15	2.433	174.7	13.71	1.916	29.48	0
3/12/21 6:30	3.841	177.8	11.33	1.751	29.48	0
3/12/21 6:45	5.561	196.1	4.313	1.371	29.48	0
3/12/21 7:00	6.281	189.7	3.044	1.414	29.49	0
3/12/21 7:15	6.609	185.4	2.944	1.337	29.49	0
3/12/21 7:30	6.839	186.5	2.756	1.157	29.49	0
3/12/21 7:45	6.316	184	3.479	1.57	29.49	0
3/12/21 8:00	5.556	174.4	10.91	2.391	29.51	0
3/12/21 8:15	5.679	161.1	8.69	2.947	29.51	0
3/12/21 8:30	4.742	148.1	8.44	3.824	29.51	0
3/12/21 8:45	2.6	134.5	15.66	5.068	29.51	0
3/12/21 9:00	2.283	124	22.55	5.534	29.51	0
3/12/21 9:15	3.021	168.8	19.67	5.764	29.51	0
3/12/21 9:30	3.033	201	14.84	5.646	29.51	0
3/12/21 9:45	1.353	240.1	27.11	6.251	29.51	0
3/12/21 10:00	2.487	204.3	27.8	7.011	29.53	0
3/12/21 10:15	1.863	217.8	30.37	7.631	29.53	0
3/12/21 10:30	3.366	200.6	20.89	7.529	29.53	0
3/12/21 10:45	3.528	200.1	21.95	7.986	29.53	0
3/12/21 11:00	2.356	225.3	26.94	8.42	29.51	0
3/12/21 11:15	3.051	191.4	23.59	9.1	29.51	0
3/12/21 11:30	2.827	182.1	44.96	9.89	29.51	0
3/12/21 11:45	1.779	242.5	38.42	10.12	29.51	0
3/12/21 12:00	3.026	216	54.03	10.41	29.5	0
3/12/21 12:15	3.676	197.5	26.16	10.74	29.5	0
3/12/21 12:30	2.753	234.8	26.55	11.38	29.5	0
3/12/21 12:45	3.691	240.4	28.77	11.53	29.5	0
3/12/21 13:00	2.577	304.8	71.64	11.8	29.46	0
3/12/21 13:15	3.391	221	51.06	12.16	29.46	0
3/12/21 13:30	3.581	218.6	51.31	12.55	29.46	0
3/12/21 13:45	3.628	266.5	39.69	12.56	29.46	0
3/12/21 14:00	2.608	218.9	38.68	12.81	29.47	0
3/12/21 14:15	3.42	263.9	45.46	12.93	29.47	0
3/12/21 14:30	4.641	231.5	27.4	12.93	29.47	0
3/12/21 14:45	5.77	275.1	17.69	12.67	29.47	0
3/12/21 15:00	5.667	281	12.82	12.88	29.46	0
3/12/21 15:15	4.599	283.6	17.68	13.02	29.46	0
3/12/21 15:30	4.522	246.7	21.96	13.25	29.46	0
3/12/21 15:45	5.663	247.5	21.43	13.12	29.46	0
3/12/21 16:00	3.903	266.5	19.2	13.17	29.44	0
3/12/21 16:15	5.579	277.5	20.5	13.09	29.44	0
3/12/21 16:30	5.686	290.1	15.99	12.96	29.44	0
3/12/21 16:45	3.741	298.8	20.83	12.94	29.44	0
3/12/21 17:00	5.218	301.8	8.58	12.72	29.44	0
3/12/21 17:15	4.253	299.3	16.14	12.62	29.44	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/12/21 17:30	3.815	317.6	16.94	12.25	29.44	0
3/12/21 17:45	2.185	356	11.66	11.87	29.44	0
3/12/21 18:00	1.941	5.766	11.09	11.25	29.41	0
3/12/21 18:15	2.357	359.1	16.67	10.93	29.41	0
3/12/21 18:30	2.466	318	10.21	11.06	29.41	0
3/12/21 18:45	2.676	315.1	4.11	10.97	29.41	0
3/12/21 19:00	2.571	352.5	22.95	10.11	29.45	0
3/12/21 19:15	2.658	2.202	8.24	10.02	29.45	0
3/12/21 19:30	2.194	340.6	10.94	10.09	29.45	0
3/12/21 19:45	1.934	1.489	17.26	9.49	29.45	0
3/12/21 20:00	2.491	27.2	3.512	8.82	29.45	0
3/12/21 20:15	3.151	45.22	7.385	8.55	29.45	0
3/12/21 20:30	2.322	67.24	9.12	8.17	29.45	0
3/12/21 20:45	3.884	92.2	4.437	7.649	29.45	0
3/12/21 21:00	3.391	96.4	7.243	7.153	29.43	0
3/12/21 21:15	3.619	96.6	6.653	7.261	29.43	0
3/12/21 21:30	3.316	95.9	10.7	7.415	29.43	0
3/12/21 21:45	3.136	133.7	5.704	7.782	29.43	0
3/12/21 22:00	3.359	141.1	7.928	7.353	29.45	0
3/12/21 22:15	4.362	149.9	3.592	7.004	29.45	0
3/12/21 22:30	3.821	141.4	8.21	6.674	29.45	0
3/12/21 22:45	2.766	117.8	10.14	6.614	29.45	0
3/12/21 23:00	3.375	106.4	2.646	6.591	29.41	0
3/12/21 23:15	2.518	102.7	2.822	6.36	29.41	0
3/12/21 23:30	2.708	129.2	7.931	6.531	29.41	0
3/12/21 23:45	2.712	130.3	5.719	6.629	29.41	0
3/13/21 0:00	2.584	131.2	4.923	6.383	29.42	0
3/13/21 0:15	3.584	164.3	14.19	5.897	29.42	0
3/13/21 0:30	3.618	166.3	9.81	5.336	29.42	0
3/13/21 0:45	3.385	163.2	8.42	5.604	29.42	0
3/13/21 1:00	1.625	144.2	33.16	5.263	29.43	0
3/13/21 1:15	1.328	181	18.43	4.419	29.43	0
3/13/21 1:30	3.98	179.5	11.82	4.858	29.43	0
3/13/21 1:45	3.469	151.6	7.755	4.733	29.43	0
3/13/21 2:00	3.219	151.5	9.67	4.48	29.42	0
3/13/21 2:15	2.642	139.5	8.42	5.051	29.42	0
3/13/21 2:30	0.631	128.7	3.022	5.106	29.42	0
3/13/21 2:45	0.081	125.6	0.547	4.51	29.42	0
3/13/21 3:00	1.098	99.8	35.55	4.281	29.4	0
3/13/21 3:15	0.659	107.3	11.44	4.369	29.4	0
3/13/21 3:30	3.257	173.3	18.16	4.14	29.4	0
3/13/21 3:45	3.867	163.6	7.577	3.552	29.4	0
3/13/21 4:00	2.447	153.5	10.16	3.942	29.39	0
3/13/21 4:15	1.515	125.8	14.81	4.361	29.39	0
3/13/21 4:30	2.612	176.9	17.6	4.165	29.39	0
3/13/21 4:45	3.727	155.5	8.43	3.522	29.39	0
3/13/21 5:00	2.655	144	5.24	3.838	29.38	0
3/13/21 5:15	0.803	79.95	49.3	4.066	29.38	0
3/13/21 5:30	1.691	80.2	16.53	3.712	29.38	0
3/13/21 5:45	0.708	105.4	33.81	3.573	29.38	0
3/13/21 6:00	3.32	180.2	13.74	4.023	29.38	0
3/13/21 6:15	4.105	165.4	8.42	3.6	29.38	0
3/13/21 6:30	4.15	157.4	14.53	3.363	29.38	0
3/13/21 6:45	3.705	123.6	10.09	3.674	29.38	0
3/13/21 7:00	3.568	141.3	28.31	4.081	29.39	0
3/13/21 7:15	4.365	165.4	7.707	3.574	29.39	0
3/13/21 7:30	4.518	127.4	15.18	4.199	29.39	0
3/13/21 7:45	3.879	101.2	9.19	3.689	29.39	0
3/13/21 8:00	4.527	122.3	5.072	5.104	29.4	0
3/13/21 8:15	3.915	137.5	6.701	6.439	29.4	0
3/13/21 8:30	4.072	148.9	8.88	6.715	29.4	0
3/13/21 8:45	4.974	153.3	5.427	6.565	29.4	0
3/13/21 9:00	4.486	155.4	8.05	7.058	29.39	0
3/13/21 9:15	3.938	161.8	11.26	7.601	29.39	0
3/13/21 9:30	3.94	159.2	10.77	8.32	29.39	0
3/13/21 9:45	3.096	164.7	17.22	9.21	29.39	0
3/13/21 10:00	2.086	153.6	26.45	9.78	29.38	0
3/13/21 10:15	2.672	167.3	22.05	10.48	29.38	0
3/13/21 10:30	3.614	195.7	19.06	11.06	29.38	0
3/13/21 10:45	5.438	207.1	10.26	11.33	29.38	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/13/21 11:00	5.246	186.4	10.13	11.59	29.38	0
3/13/21 11:15	3.763	198.2	13.59	12.12	29.38	0
3/13/21 11:30	4.245	198.9	12.73	12.42	29.38	0
3/13/21 11:45	4.662	197.5	10.32	12.96	29.38	0
3/13/21 12:00	4.758	194.6	18.98	13.95	29.36	0
3/13/21 12:15	6.118	203.1	14.02	14.12	29.36	0
3/13/21 12:30	7.236	199.8	25.07	14.57	29.36	0
3/13/21 12:45	8.32	200.7	11.66	14.48	29.36	0
3/13/21 13:00	7.161	228.6	30.09	14.77	29.35	0
3/13/21 13:15	7.672	233.7	13.37	14.58	29.35	0
3/13/21 13:30	6.344	246.2	16.84	15.01	29.35	0
3/13/21 13:45	8.34	223.9	20.51	14.63	29.35	0
3/13/21 14:00	6.66	241.1	25.78	14.79	29.33	0
3/13/21 14:15	6.433	270.7	15.11	15.08	29.33	0
3/13/21 14:30	5.514	281.1	35.88	15.3	29.33	0
3/13/21 14:45	7.021	277.9	13.88	15.06	29.33	0
3/13/21 15:00	9.03	275.9	14.6	14.47	29.31	0
3/13/21 15:15	8.61	274.7	12.16	14.1	29.31	0
3/13/21 15:30	8.02	278.1	15.45	13.87	29.31	0
3/13/21 15:45	7.725	290.3	11.32	14.18	29.31	0
3/13/21 16:00	4.856	290.6	14.72	14.55	29.3	0
3/13/21 16:15	3.184	272.4	18.93	14.57	29.3	0
3/13/21 16:30	2.112	273.9	32.38	14.66	29.3	0
3/13/21 16:45	1.965	306.4	29.09	14.57	29.3	0
3/13/21 17:00	1.52	0.585	23.52	14.26	29.27	0
3/13/21 17:15	0.635	31.78	2.061	14.05	29.27	0
3/13/21 17:30	3.332	55.04	8.08	13.52	29.27	0
3/13/21 17:45	3.307	68.24	3.531	13.29	29.27	0
3/13/21 18:00	2.977	59.31	11.51	13.11	29.26	0
3/13/21 18:15	1.846	44.41	1.387	12.99	29.26	0
3/13/21 18:30	2.794	34.52	9.43	12.82	29.26	0
3/13/21 18:45	2.385	54.04	9.36	12.48	29.26	0
3/13/21 19:00	0.089	35.28	0.548	12.57	29.24	0
3/13/21 19:15	0.896	159	44.9	12.13	29.24	0
3/13/21 19:30	1.348	76.03	31.35	11.07	29.24	0
3/13/21 19:45	2.018	238.4	10.35	10.92	29.24	0
3/13/21 20:00	5.475	210.1	5.99	10.97	29.24	0
3/13/21 20:15	5.858	188.3	7.088	10.79	29.24	0
3/13/21 20:30	5.402	181.2	12.94	10.45	29.24	0
3/13/21 20:45	3.557	132.8	35.19	9.51	29.24	0
3/13/21 21:00	4.168	95.1	9.07	8.63	29.23	0
3/13/21 21:15	4.837	113.5	12.45	7.878	29.23	0
3/13/21 21:30	5.872	149.6	7.811	8.86	29.23	0
3/13/21 21:45	5.354	150.2	12.4	8.98	29.23	0
3/13/21 22:00	4.883	131.3	10.63	8.79	29.22	0
3/13/21 22:15	4.007	160.9	25.47	8.56	29.22	0
3/13/21 22:30	4.893	174	16.25	7.634	29.22	0
3/13/21 22:45	4.564	169.4	13.54	7.552	29.22	0
3/13/21 23:00	3.315	135.4	11.1	7.79	29.21	0
3/13/21 23:15	4.078	166.2	10.08	8.34	29.21	0
3/13/21 23:30	5.066	162.2	9.65	7.742	29.21	0
3/13/21 23:45	4.584	156.1	8.31	7.502	29.21	0
3/14/21 0:00	3.105	125.8	32.77	7.098	29.19	0
3/14/21 0:15	3.82	133.1	18.86	6.483	29.19	0
3/14/21 0:30	5.916	157.1	8.26	6.925	29.19	0
3/14/21 0:45	6.548	175.9	12.2	6.413	29.19	0
3/14/21 1:00	5.936	207.5	6.88	5.905	29.19	0
3/14/21 1:15	3.734	190.1	16.09	6.309	29.19	0
3/14/21 1:30	4.466	175.5	16.39	6.017	29.19	0
3/14/21 1:45	5.646	197.3	10.68	5.528	29.19	0
3/14/21 2:00	6.147	224.9	11.11	5.367	29.2	0
3/14/21 2:15	1.573	286.8	58.38	4.994	29.2	0
3/14/21 2:30	3.36	108.8	7.537	4.543	29.2	0
3/14/21 2:45	2.34	122.8	13.34	5.134	29.2	0
3/14/21 3:00	3.122	119.2	12.81	5.346	29.18	0
3/14/21 3:15	3.787	112.5	23.47	5.023	29.18	0
3/14/21 3:30	4.771	95.4	12.27	4.547	29.18	0
3/14/21 3:45	5.672	130.9	11.29	5.016	29.18	0
3/14/21 4:00	3.427	139.6	28.52	4.964	29.13	0
3/14/21 4:15	3.57	166.5	21.03	4.907	29.13	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/14/21 4:30	2.527	166.3	13.55	5.035	29.13	0
3/14/21 4:45	1.297	77.05	28.53	4.673	29.13	0
3/14/21 5:00	2.236	79.15	15.56	4.03	29.14	0
3/14/21 5:15	3.661	82.4	10.22	4.581	29.14	0
3/14/21 5:30	4.166	85.9	11.14	4.989	29.14	0
3/14/21 5:45	2.447	143.8	36.9	5.161	29.14	0
3/14/21 6:00	2.047	207.1	29.96	5.636	29.11	0
3/14/21 6:15	1.579	78.55	49.18	4.982	29.11	0
3/14/21 6:30	2.472	122.2	20.71	5.492	29.11	0
3/14/21 6:45	2.129	104.6	19.99	5.212	29.11	0
3/14/21 7:00	1.564	71.08	13.6	5.044	29.07	0
3/14/21 7:15	1.594	71.33	10.67	5.61	29.07	0
3/14/21 7:30	1.87	71.62	9.8	5.745	29.07	0
3/14/21 7:45	2.087	95.6	21.64	5.871	29.07	0
3/14/21 8:00	1.818	69.17	21.84	6.162	29.07	0
3/14/21 8:15	1.615	20.76	25.13	7.417	29.07	0
3/14/21 8:30	3.123	35.53	9.34	6.998	29.07	0
3/14/21 8:45	2.844	47.48	8.15	7.43	29.07	0
3/14/21 9:00	3.775	61.9	13.3	8.03	29.08	0
3/14/21 9:15	1.929	53.06	20.98	8.61	29.08	0
3/14/21 9:30	3.091	92.8	20.55	8.41	29.08	0
3/14/21 9:45	2.187	99.4	17.24	8.62	29.08	0
3/14/21 10:00	2.765	76.06	17.77	8.6	29.08	0
3/14/21 10:15	2.081	136.8	66.01	8.73	29.08	0
3/14/21 10:30	5.071	268	12.92	8.4	29.08	0
3/14/21 10:45	1.666	307.5	70.29	8.03	29.08	0
3/14/21 11:00	1.366	46.72	49.15	8.16	29.1	0
3/14/21 11:15	2.941	87.3	15.16	7.839	29.1	0
3/14/21 11:30	1.443	74.63	15.92	8.09	29.1	0
3/14/21 11:45	5.314	78.39	9.79	7.756	29.1	0
3/14/21 12:00	6.683	83	12.38	7.864	29.08	0.01
3/14/21 12:15	5.694	98.2	14.21	8.06	29.08	0.01
3/14/21 12:30	6.194	104.2	6.996	8.35	29.08	0
3/14/21 12:45	7.888	106.9	14.21	8.49	29.08	0.01
3/14/21 13:00	6.6	119.6	16.69	8.71	29.05	0.01
3/14/21 13:15	8.46	134.7	8.41	8.66	29.05	0.01
3/14/21 13:30	8.1	122.9	9.43	8.48	29.05	0.01
3/14/21 13:45	6.794	133.1	18.71	8.54	29.05	0
3/14/21 14:00	6.468	141.4	13.71	8.49	29.04	0.01
3/14/21 14:15	4.724	180.1	23.43	8.21	29.04	0.01
3/14/21 14:30	4.8	222.8	16.03	8.02	29.04	0.01
3/14/21 14:45	6.361	245.2	15.86	7.953	29.04	0.01
3/14/21 15:00	6.783	259	9.8	7.921	29.07	0.01
3/14/21 15:15	8.59	253.6	12.08	7.669	29.07	0.01
3/14/21 15:30	8.78	259.1	10.84	7.367	29.07	0.01
3/14/21 15:45	10.85	240.9	9.15	7.222	29.07	0.01
3/14/21 16:00	10.2	249.7	9.83	6.901	29.09	0
3/14/21 16:15	8.53	253.2	7.981	6.484	29.09	0.01
3/14/21 16:30	6.957	258.8	12.49	6.374	29.09	0
3/14/21 16:45	7.807	254.1	11.56	6.225	29.09	0.01
3/14/21 17:00	7.422	251.6	12.61	6.045	29.1	0
3/14/21 17:15	6.88	328.5	27.46	4.759	29.1	0.01
3/14/21 17:30	9.94	6.526	16.56	3.151	29.1	0.03
3/14/21 17:45	7.105	5.656	29.21	2.781	29.1	0.01
3/14/21 18:00	7.245	10.34	23.86	2.464	29.14	0.01
3/14/21 18:15	6.198	41.67	28.05	2.3	29.14	0
3/14/21 18:30	3.134	31.14	46.69	2.315	29.14	0.01
3/14/21 18:45	5.635	357.4	20.64	2.512	29.14	0
3/14/21 19:00	4.579	20.53	20.74	2.53	29.18	0.01
3/14/21 19:15	3.893	25.9	17.02	2.384	29.18	0.02
3/14/21 19:30	3.681	34.96	17.24	2.132	29.18	0.02
3/14/21 19:45	3.078	98.5	36.26	2.19	29.18	0.01
3/14/21 20:00	3.657	157.6	24.06	2.376	29.2	0.01
3/14/21 20:15	2.532	123.1	70.07	2.599	29.2	0
3/14/21 20:30	3.829	97.7	51.33	2.672	29.2	0
3/14/21 20:45	1.963	141.1	59.33	2.726	29.2	0.01
3/14/21 21:00	2.29	81.7	70.77	2.766	29.2	0
3/14/21 21:15	3.286	24.96	25.49	2.898	29.2	0.01
3/14/21 21:30	4.988	4.434	21.89	3.049	29.2	0
3/14/21 21:45	5.658	16.73	17.48	3.13	29.2	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/14/21 22:00	4.475	23.28	21.8	3.069	29.22	0
3/14/21 22:15	7.277	22.89	21.73	3.174	29.22	0
3/14/21 22:30	3.186	24.37	33.44	3.071	29.22	0
3/14/21 22:45	6.718	15.25	25.61	3.045	29.22	0
3/14/21 23:00	8.12	4.676	14.62	3.25	29.22	0
3/14/21 23:15	6.008	7.957	15.76	3.103	29.22	0
3/14/21 23:30	6.977	4.781	21.01	3.09	29.22	0
3/14/21 23:45	4.403	8.96	23.17	2.997	29.22	0
3/15/21 0:00	4.156	333.5	33.8	3.07	29.23	0
3/15/21 0:15	5.766	331.8	27.31	3.201	29.23	0
3/15/21 0:30	4.911	349.2	17.61	3.118	29.23	0
3/15/21 0:45	3.221	358.8	21.41	3.182	29.23	0
3/15/21 1:00	4.279	12.32	21.87	3.153	29.24	0
3/15/21 1:15	4.616	345.6	24.67	3.259	29.24	0
3/15/21 1:30	5.072	343.2	18.69	3.181	29.24	0
3/15/21 1:45	6.949	344.6	21.89	3.194	29.24	0
3/15/21 2:00	5.881	348.5	23.63	3.095	29.25	0
3/15/21 2:15	5.603	332.1	12.58	2.974	29.25	0
3/15/21 2:30	5.429	347.3	17.04	2.824	29.25	0
3/15/21 2:45	5.118	343.4	13.36	2.551	29.25	0
3/15/21 3:00	5.185	333.8	10.96	2.486	29.26	0
3/15/21 3:15	5.031	267.2	20.87	2.023	29.26	0
3/15/21 3:30	6.032	269.2	7.598	1.789	29.26	0
3/15/21 3:45	8.42	275.9	6.101	1.749	29.26	0
3/15/21 4:00	7.895	271	6.297	1.571	29.26	0
3/15/21 4:15	6.479	264.4	5.853	1.254	29.26	0
3/15/21 4:30	6.716	277.8	6.713	0.979	29.26	0
3/15/21 4:45	6.231	277.9	3.982	0.917	29.26	0
3/15/21 5:00	4.603	280.6	4.914	0.964	29.28	0
3/15/21 5:15	3.056	287.1	24.24	0.724	29.28	0
3/15/21 5:30	4.987	276.4	18.93	0.534	29.28	0
3/15/21 5:45	6.237	268.4	7.677	0.641	29.28	0
3/15/21 6:00	5.476	285	3.426	0.501	29.27	0
3/15/21 6:15	3.705	289.8	3.416	0.475	29.27	0
3/15/21 6:30	3.647	297.2	6.041	0.595	29.27	0
3/15/21 6:45	3.85	285	2.851	0.72	29.27	0
3/15/21 7:00	4.498	286.5	4.023	0.852	29.3	0
3/15/21 7:15	5.656	278.8	6.095	1.078	29.3	0
3/15/21 7:30	6.381	279.1	8.73	1.053	29.3	0
3/15/21 7:45	2.292	40.03	64.63	1.032	29.3	0
3/15/21 8:00	1.089	170.5	45.5	1.433	29.33	0
3/15/21 8:15	2.33	261.5	40.44	1.358	29.33	0
3/15/21 8:30	1.677	262.1	24.05	1.658	29.33	0
3/15/21 8:45	0.803	312.7	67.22	1.958	29.33	0
3/15/21 9:00	0.813	26.76	17.75	2.179	29.35	0
3/15/21 9:15	0.559	23.62	43.11	2.591	29.35	0
3/15/21 9:30	2.805	15.36	18.67	3.007	29.35	0
3/15/21 9:45	4.96	12.42	17.15	3.223	29.35	0
3/15/21 10:00	5.988	13.8	18	3.444	29.34	0
3/15/21 10:15	6.245	28.7	17.4	3.842	29.34	0
3/15/21 10:30	6.826	346.7	35.63	4.539	29.34	0
3/15/21 10:45	7.973	286.4	12.51	3.329	29.34	0
3/15/21 11:00	9.29	289.5	11.05	3.222	29.34	0
3/15/21 11:15	9.53	346.3	26.52	1.795	29.34	0.01
3/15/21 11:30	4.577	42	27.38	1.137	29.34	0.01
3/15/21 11:45	1.86	27.31	16.99	1.673	29.34	0
3/15/21 12:00	1.713	282.2	63.78	2.764	29.36	0
3/15/21 12:15	2.021	233.6	44.28	4.313	29.36	0
3/15/21 12:30	2.467	243	33.1	4.456	29.36	0
3/15/21 12:45	4.5	283.7	17.44	4.242	29.36	0
3/15/21 13:00	5.824	300.4	42.7	4.538	29.33	0
3/15/21 13:15	4.153	45.21	21.82	4.645	29.33	0
3/15/21 13:30	2.783	326	39.36	4.904	29.33	0
3/15/21 13:45	6.548	315.5	14.31	4.999	29.33	0
3/15/21 14:00	3.362	315.4	31.26	5.14	29.36	0
3/15/21 14:15	7.781	296.6	11.45	5.287	29.36	0
3/15/21 14:30	2.87	324.9	55.63	5.486	29.36	0
3/15/21 14:45	4.825	13.63	41.85	5.451	29.36	0
3/15/21 15:00	6.087	335.4	12.02	5.243	29.34	0
3/15/21 15:15	3.768	327.6	8.84	5.276	29.34	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/15/21 15:30	3.441	316.6	18.36	5.389	29.34	0
3/15/21 15:45	4.573	335	16.75	5.402	29.34	0
3/15/21 16:00	5.026	337.4	10.97	5.275	29.37	0
3/15/21 16:15	3.612	332.9	11.81	5.217	29.37	0
3/15/21 16:30	4.024	336.2	7.65	5.171	29.37	0
3/15/21 16:45	5.287	336.3	11.07	5.096	29.37	0
3/15/21 17:00	4.616	342.6	9.91	5.062	29.36	0
3/15/21 17:15	4.576	350.6	12.81	4.978	29.36	0
3/15/21 17:30	4.094	352.6	14.06	4.809	29.36	0
3/15/21 17:45	2.324	355.5	13.67	4.805	29.36	0
3/15/21 18:00	2.18	32.1	31.5	4.626	29.38	0
3/15/21 18:15	1.469	67.59	17.92	4.468	29.38	0
3/15/21 18:30	1.107	78.86	5.46	3.958	29.38	0
3/15/21 18:45	0.75	83.1	0.205	3.898	29.38	0
3/15/21 19:00	1.808	109.2	21.53	3.723	29.37	0
3/15/21 19:15	3.171	141.8	7.227	3.59	29.37	0
3/15/21 19:30	3.243	127.6	9.4	3.438	29.37	0
3/15/21 19:45	1.672	100.6	16.84	3.427	29.37	0
3/15/21 20:00	1.787	115.4	31.94	3.337	29.36	0
3/15/21 20:15	1.937	125.6	13.04	3.389	29.36	0
3/15/21 20:30	1.477	158.6	21.72	3.403	29.36	0
3/15/21 20:45	2.865	218.7	14.57	3.359	29.36	0
3/15/21 21:00	2.627	240.9	11.89	2.84	29.37	0
3/15/21 21:15	2.809	281.8	2.311	2.583	29.37	0
3/15/21 21:30	2.505	310.1	26.42	2.436	29.37	0
3/15/21 21:45	2.297	270.1	29.3	2.615	29.37	0
3/15/21 22:00	0.463	248.3	70.52	2.637	29.38	0
3/15/21 22:15	0.295	354.9	0.092	2.51	29.38	0
3/15/21 22:30	0	0	0	2.73	29.38	0
3/15/21 22:45	0.111	9.12	0.248	2.653	29.38	0
3/15/21 23:00	0.046	7.072	0.331	2.665	29.4	0
3/15/21 23:15	1.15	321.4	4.819	2.78	29.4	0
3/15/21 23:30	1.887	322.1	0.518	2.916	29.4	0
3/15/21 23:45	1.708	299.8	9	2.969	29.4	0
3/16/21 0:00	0.603	295.2	8.31	2.846	29.4	0
3/16/21 0:15	1.244	65.11	16.29	2.301	29.4	0
3/16/21 0:30	0.241	59.04	6.425	2.414	29.4	0
3/16/21 0:45	0.533	55.48	9.53	2.676	29.4	0
3/16/21 1:00	0.484	24.08	31.71	2.759	29.41	0
3/16/21 1:15	1.051	3.885	35.27	3.145	29.41	0
3/16/21 1:30	0.939	25.66	24.34	2.895	29.41	0
3/16/21 1:45	0.981	79.26	9.5	2.916	29.41	0
3/16/21 2:00	0.707	143	25.18	2.823	29.4	0
3/16/21 2:15	0.859	59.5	24.09	2.78	29.4	0
3/16/21 2:30	0.109	47.01	0.679	2.664	29.4	0
3/16/21 2:45	0.048	36.25	0.087	2.84	29.4	0
3/16/21 3:00	0.583	36.26	0.067	2.756	29.39	0
3/16/21 3:15	0.202	331.5	14.75	2.68	29.39	0
3/16/21 3:30	0.308	23.36	13.03	2.682	29.39	0
3/16/21 3:45	0.501	18.37	24.15	2.656	29.39	0
3/16/21 4:00	1.025	57.74	23	2.548	29.38	0
3/16/21 4:15	1.326	290.8	32.27	2.349	29.38	0
3/16/21 4:30	2.511	309.5	21.87	2.106	29.38	0
3/16/21 4:45	2.509	347.5	16.19	1.976	29.38	0
3/16/21 5:00	2.304	335.5	13.16	1.978	29.38	0
3/16/21 5:15	1.563	349.7	12.99	1.837	29.38	0
3/16/21 5:30	2.281	355.4	14.09	1.697	29.38	0
3/16/21 5:45	0.787	39.32	55.56	1.658	29.38	0
3/16/21 6:00	2.514	197.9	17.65	1.406	29.36	0
3/16/21 6:15	1.25	228.1	8.75	1.365	29.36	0
3/16/21 6:30	2.264	191.1	11.69	1.363	29.36	0
3/16/21 6:45	2.172	176.8	14.09	1.287	29.36	0
3/16/21 7:00	2.609	136.9	3.9	0.393	29.38	0
3/16/21 7:15	2.663	131.1	11.68	0.84	29.38	0
3/16/21 7:30	3.579	138.8	4.969	1.327	29.38	0
3/16/21 7:45	3.271	131.1	9.12	1.932	29.38	0
3/16/21 8:00	3.269	139.4	10.18	2.38	29.37	0
3/16/21 8:15	2.413	156.1	18.66	2.731	29.37	0
3/16/21 8:30	1.247	100.4	38.62	3.736	29.37	0
3/16/21 8:45	1.172	258.8	37.27	3.457	29.37	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/16/21 9:00	1.324	289.6	20.36	3.82	29.35	0
3/16/21 9:15	1.545	275.1	35.54	4.613	29.35	0
3/16/21 9:30	1.064	284.2	55.74	5.401	29.35	0
3/16/21 9:45	2.477	279.1	33.34	5.338	29.35	0
3/16/21 10:00	1.794	303.6	46.22	5.717	29.35	0
3/16/21 10:15	5.168	281.6	22.37	5.526	29.35	0
3/16/21 10:30	4.404	297.8	16.37	5.769	29.35	0
3/16/21 10:45	3.503	294.8	21.06	6.255	29.35	0
3/16/21 11:00	4.319	311	58.53	6.736	29.34	0
3/16/21 11:15	6.737	12.05	18.33	6.954	29.34	0
3/16/21 11:30	6.335	9.97	17.29	7.176	29.34	0
3/16/21 11:45	7.368	358.7	31	7.098	29.34	0
3/16/21 12:00	3.65	20.25	38.92	7.847	29.32	0
3/16/21 12:15	5.12	357.5	29.98	7.995	29.32	0
3/16/21 12:30	4.212	346.2	37.02	8.07	29.32	0
3/16/21 12:45	3.646	336.1	18.91	8.44	29.32	0
3/16/21 13:00	3.592	273.1	37.04	8.74	29.31	0
3/16/21 13:15	3.018	41.63	63.17	9.07	29.31	0
3/16/21 13:30	4.649	249.8	42.44	8.74	29.31	0
3/16/21 13:45	5.159	243.6	27.3	9.26	29.31	0
3/16/21 14:00	5.131	274.8	32.88	9.5	29.3	0
3/16/21 14:15	6.761	292	34.02	9.21	29.3	0
3/16/21 14:30	7.832	250.6	24.48	9.72	29.3	0
3/16/21 14:45	8.31	272.2	18.13	9.48	29.3	0
3/16/21 15:00	6.521	255.4	13.45	9.33	29.29	0
3/16/21 15:15	5.229	246.6	40.91	9.62	29.29	0
3/16/21 15:30	4.304	254.4	27.74	9.98	29.29	0
3/16/21 15:45	5.462	270.9	29.3	9.9	29.29	0
3/16/21 16:00	4.642	243.7	17.73	9.97	29.27	0
3/16/21 16:15	4.334	268.3	36.2	10.17	29.27	0
3/16/21 16:30	5.287	240	23.42	9.98	29.27	0
3/16/21 16:45	7.706	257	6.564	9.48	29.27	0
3/16/21 17:00	7.654	255.1	11.2	9.38	29.25	0
3/16/21 17:15	7.018	270.1	9.06	9.37	29.25	0
3/16/21 17:30	5.721	281.6	9.94	9.3	29.25	0
3/16/21 17:45	4.862	291.7	3.542	8.87	29.25	0
3/16/21 18:00	4.921	288.9	2.212	8.57	29.25	0
3/16/21 18:15	6.285	289.8	2.484	8.04	29.25	0
3/16/21 18:30	6.481	285.7	3.533	7.651	29.25	0
3/16/21 18:45	6.798	293.5	3.717	7.287	29.25	0
3/16/21 19:00	6.696	297.4	3.224	6.967	29.25	0
3/16/21 19:15	5.119	311	17.45	6.807	29.25	0
3/16/21 19:30	2.902	351.2	13.28	6.39	29.25	0
3/16/21 19:45	3.597	359.6	14.21	6.002	29.25	0
3/16/21 20:00	4.964	347.7	12.89	5.893	29.24	0
3/16/21 20:15	4.593	359	11.77	5.881	29.24	0
3/16/21 20:30	6.059	16.03	10.28	5.279	29.24	0
3/16/21 20:45	7.358	21.45	6.337	4.837	29.24	0
3/16/21 21:00	5.667	25.76	7.208	4.893	29.26	0
3/16/21 21:15	5.061	29.44	6.128	4.45	29.26	0
3/16/21 21:30	6.314	18.71	7.712	4.433	29.26	0
3/16/21 21:45	4.477	30.92	9.33	4.022	29.26	0
3/16/21 22:00	4.982	42.66	6.146	4.18	29.26	0
3/16/21 22:15	4.304	44.5	9.02	4.46	29.26	0
3/16/21 22:30	4.823	59.28	8.42	4.18	29.26	0
3/16/21 22:45	3.467	66.83	14.32	4.322	29.26	0
3/16/21 23:00	2.86	94.5	11.9	4.738	29.26	0
3/16/21 23:15	1.853	136.8	22.63	5.367	29.26	0
3/16/21 23:30	2.281	177.9	6.366	4.262	29.26	0
3/16/21 23:45	1.115	242.5	25.77	3.488	29.26	0
3/17/21 0:00	0.99	241.9	56.41	3.476	29.27	0
3/17/21 0:15	0.534	21.3	0.178	3.602	29.27	0
3/17/21 0:30	2.36	126.3	22.41	3.409	29.27	0
3/17/21 0:45	3.243	122.8	5.239	3.458	29.27	0
3/17/21 1:00	4.632	125.4	6.603	3.966	29.25	0
3/17/21 1:15	4.81	133.2	5.34	4.012	29.25	0
3/17/21 1:30	2.536	124.7	3.781	4.025	29.25	0
3/17/21 1:45	0.812	95	10.4	3.65	29.25	0
3/17/21 2:00	0.762	20.02	36.6	3.86	29.24	0
3/17/21 2:15	1.531	49.67	31.27	3.961	29.24	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/17/21 2:30	1.335	75.57	2.555	3.702	29.24	0
3/17/21 2:45	1.474	73.77	6.04	3.231	29.24	0
3/17/21 3:00	1.262	66.79	4.988	2.994	29.23	0
3/17/21 3:15	3.487	79.97	4.65	2.591	29.23	0
3/17/21 3:30	2.605	89.2	8.19	2.722	29.23	0
3/17/21 3:45	1.22	74.37	10.96	3.696	29.23	0
3/17/21 4:00	1.673	106	9.52	4.348	29.21	0
3/17/21 4:15	2.147	168.4	11.71	4.226	29.21	0
3/17/21 4:30	2.769	146	7.066	3.246	29.21	0
3/17/21 4:45	1.562	128.4	17.17	2.863	29.21	0
3/17/21 5:00	2.162	124	10.08	2.966	29.2	0
3/17/21 5:15	3.008	124.4	7.972	3.176	29.2	0
3/17/21 5:30	2.36	138.5	17.89	2.625	29.2	0
3/17/21 5:45	1.168	72.61	13.26	2.812	29.2	0
3/17/21 6:00	2.485	110.6	12.67	3.034	29.22	0
3/17/21 6:15	0.568	62.77	11.92	2.862	29.22	0
3/17/21 6:30	2.981	134.6	22.68	2.894	29.22	0
3/17/21 6:45	4.499	142.3	5.073	2.764	29.22	0
3/17/21 7:00	3.472	138.1	20.63	3.103	29.24	0
3/17/21 7:15	0.295	124.6	17.97	3.325	29.24	0
3/17/21 7:30	1.135	3.497	60.06	3.108	29.24	0
3/17/21 7:45	1.702	20.38	24.13	2.879	29.24	0
3/17/21 8:00	0.588	58.11	1.318	3.826	29.24	0
3/17/21 8:15	0.939	55.39	9.1	4.304	29.24	0
3/17/21 8:30	1.308	2.796	8.27	4.269	29.24	0
3/17/21 8:45	2.232	26.59	14.85	4.184	29.24	0
3/17/21 9:00	2.061	74.92	26.33	5.066	29.22	0
3/17/21 9:15	3.447	129.7	18.45	5.836	29.22	0
3/17/21 9:30	3.445	136.2	20.46	6.145	29.22	0
3/17/21 9:45	3.315	126.6	17.49	6.415	29.22	0
3/17/21 10:00	2.72	117.4	41.05	6.986	29.23	0
3/17/21 10:15	2.921	203.4	20.01	7.273	29.23	0
3/17/21 10:30	2.831	231.4	19.77	7.612	29.23	0
3/17/21 10:45	3.011	249.9	27.39	8.22	29.23	0
3/17/21 11:00	1.363	216.4	59.74	9.2	29.19	0
3/17/21 11:15	2.754	261	31.95	9.73	29.19	0
3/17/21 11:30	3.555	273.6	23.2	10.16	29.19	0
3/17/21 11:45	2.646	282	23.74	10.6	29.19	0
3/17/21 12:00	3.124	312.9	24.46	11.11	29.17	0
3/17/21 12:15	2.162	290.4	40.5	11.53	29.17	0
3/17/21 12:30	1.545	274.2	30.37	11.87	29.17	0
3/17/21 12:45	1.545	320	33.82	12.37	29.17	0
3/17/21 13:00	2.694	278.1	49.03	12.32	29.16	0
3/17/21 13:15	3.111	254.3	22.31	12.17	29.16	0
3/17/21 13:30	4.325	273.7	22.38	12.21	29.16	0
3/17/21 13:45	5.006	265	22.31	12.66	29.16	0
3/17/21 14:00	5.517	266.7	17.34	12.89	29.11	0
3/17/21 14:15	6.609	260.6	20.73	12.84	29.11	0
3/17/21 14:30	7.624	250.9	11.88	12.91	29.11	0
3/17/21 14:45	6.232	268.9	23.69	13.49	29.11	0
3/17/21 15:00	5.307	261.3	15.6	13.35	29.12	0
3/17/21 15:15	6.112	253.7	25.32	13.58	29.12	0
3/17/21 15:30	4.159	262.3	28.98	13.82	29.12	0
3/17/21 15:45	5.177	254.5	25.36	13.91	29.12	0
3/17/21 16:00	5.671	275.8	26.55	13.77	29.11	0
3/17/21 16:15	6.449	258.9	9.79	13.77	29.11	0
3/17/21 16:30	4.97	271.7	22.56	13.83	29.11	0
3/17/21 16:45	4.203	269.1	14.49	13.76	29.11	0
3/17/21 17:00	4.739	273.7	20.84	13.36	29.1	0
3/17/21 17:15	4.385	264.5	15.23	13.06	29.1	0
3/17/21 17:30	3.434	267.6	12.49	12.72	29.1	0
3/17/21 17:45	2.808	292.9	25	12.34	29.1	0
3/17/21 18:00	3.503	270.7	5.335	12.11	29.09	0
3/17/21 18:15	4.409	264.5	5.198	11.63	29.09	0
3/17/21 18:30	3.785	272.5	4.781	11.44	29.09	0
3/17/21 18:45	3.157	237.5	5.286	11.3	29.09	0
3/17/21 19:00	1.892	221	9.45	11.28	29.09	0
3/17/21 19:15	2.035	91	22	10.62	29.09	0
3/17/21 19:30	2.993	82.8	13.96	9.84	29.09	0
3/17/21 19:45	2.98	95.4	7.022	10.23	29.09	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/17/21 20:00	3.136	128.8	17.84	10.59	29.09	0
3/17/21 20:15	2.618	106.5	62.61	10.33	29.09	0
3/17/21 20:30	2.185	43.91	24.74	8.75	29.09	0
3/17/21 20:45	2.355	70.2	6.695	8.84	29.09	0
3/17/21 21:00	2.984	72.44	7.106	8.91	29.09	0
3/17/21 21:15	2.862	96.9	7.175	8.7	29.09	0
3/17/21 21:30	2.366	135.1	21.29	9.54	29.09	0
3/17/21 21:45	2.306	130.5	33.66	9.67	29.09	0
3/17/21 22:00	2.279	121.8	15.44	9.64	29.07	0
3/17/21 22:15	1.836	80.6	13.75	9.4	29.07	0
3/17/21 22:30	1.53	72.79	12.4	9.34	29.07	0
3/17/21 22:45	2.668	28.36	8.18	8.93	29.07	0
3/17/21 23:00	4.212	24.35	11.62	8.65	29.04	0
3/17/21 23:15	3.637	5.796	12.13	9.19	29.04	0
3/17/21 23:30	3.528	30.76	9.02	8.24	29.04	0
3/17/21 23:45	3.512	6.234	8.25	8.19	29.04	0
3/18/21 0:00	3.773	355.5	12.27	8.37	29.03	0
3/18/21 0:15	3.096	7.351	11.83	8.57	29.03	0
3/18/21 0:30	4.134	17.94	10.52	7.583	29.03	0
3/18/21 0:45	4.954	6.696	7.365	7.202	29.03	0
3/18/21 1:00	5.116	4.086	11.47	7.225	28.99	0
3/18/21 1:15	4.055	8.03	7.476	6.984	28.99	0
3/18/21 1:30	4.899	6.043	8.74	6.817	28.99	0
3/18/21 1:45	4.906	5.11	8.07	7.123	28.99	0
3/18/21 2:00	3.356	334.9	20.68	7.728	28.99	0
3/18/21 2:15	3.752	300.9	20.08	9.23	28.99	0
3/18/21 2:30	4.021	293	20.82	9.35	28.99	0
3/18/21 2:45	2.887	301.4	31.99	8.21	28.99	0
3/18/21 3:00	1.344	249.3	67.74	8.67	28.94	0
3/18/21 3:15	4.695	125.3	11.05	10.7	28.94	0
3/18/21 3:30	4.013	158.1	18.49	10.09	28.94	0
3/18/21 3:45	3.301	128.6	16.68	9.74	28.94	0
3/18/21 4:00	3.366	146.8	17.21	9.11	28.95	0
3/18/21 4:15	3.636	137.2	13.91	8.18	28.95	0
3/18/21 4:30	2.863	154.4	20.18	6.524	28.95	0
3/18/21 4:45	2.721	137.6	25.45	5.272	28.95	0
3/18/21 5:00	3.271	122.2	16.19	5.452	28.96	0
3/18/21 5:15	3.94	147.2	22.34	5.32	28.96	0
3/18/21 5:30	5.824	174.9	8.43	4.866	28.96	0
3/18/21 5:45	6.351	183.1	4.243	4.341	28.96	0
3/18/21 6:00	3.849	168.9	15.97	4.312	28.97	0
3/18/21 6:15	4.864	135	11.45	4.584	28.97	0
3/18/21 6:30	5.334	130.9	6.958	5.185	28.97	0
3/18/21 6:45	4.799	156.6	25.7	5.848	28.97	0
3/18/21 7:00	9.54	203.4	4.914	5.284	28.94	0
3/18/21 7:15	13.53	215.3	12.62	5.031	28.94	0
3/18/21 7:30	5.507	256.9	70.99	5.063	28.94	0
3/18/21 7:45	4.073	71.32	19.42	4.917	28.94	0
3/18/21 8:00	4.976	103.7	12.75	5.215	29.03	0
3/18/21 8:15	7.411	93.5	9.77	5.529	29.03	0
3/18/21 8:30	7.209	121.1	11.25	5.888	29.03	0
3/18/21 8:45	5.85	107.5	16.26	6.083	29.03	0
3/18/21 9:00	6.091	115.7	14.5	6.524	29.03	0
3/18/21 9:15	4.343	123.6	11.94	7.19	29.03	0
3/18/21 9:30	1.667	53.55	48.13	7.704	29.03	0
3/18/21 9:45	3.261	128.9	18.43	8.22	29.03	0
3/18/21 10:00	4.004	197.3	12.86	8.23	29.04	0
3/18/21 10:15	2.536	219.1	21.17	8.68	29.04	0
3/18/21 10:30	2.031	350.4	43.51	8.86	29.04	0
3/18/21 10:45	2.39	28.06	37.38	8.47	29.04	0
3/18/21 11:00	5.062	38.46	9.27	8.61	29.02	0
3/18/21 11:15	4.355	39.77	14.2	9.12	29.02	0
3/18/21 11:30	4.147	10.33	11.79	9.84	29.02	0
3/18/21 11:45	2.214	15.3	13.58	10.7	29.02	0
3/18/21 12:00	3.521	340.9	38.03	12.26	28.98	0
3/18/21 12:15	5.573	288.4	18.34	13.12	28.98	0
3/18/21 12:30	4.755	1.017	26.75	12.92	28.98	0
3/18/21 12:45	3.508	18.88	12.98	12.6	28.98	0
3/18/21 13:00	2.428	11.32	15.99	13.09	28.97	0
3/18/21 13:15	2.712	32.52	9.16	13.24	28.97	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/18/21 13:30	12.71	272.1	31.68	12.84	28.97	0
3/18/21 13:45	15.06	272.2	11.19	11.96	28.97	0
3/18/21 14:00	15.14	271.1	15.78	11.37	28.99	0
3/18/21 14:15	11.11	259.9	11.26	10.61	28.99	0
3/18/21 14:30	9.19	243.8	19.52	10.56	28.99	0
3/18/21 14:45	12.93	237.8	13	10.19	28.99	0
3/18/21 15:00	15.02	227	10.98	9.54	29.03	0
3/18/21 15:15	13.92	218.5	8.81	9.24	29.03	0
3/18/21 15:30	7.411	203.6	10.29	9	29.03	0
3/18/21 15:45	7.795	206	9.13	9.01	29.03	0
3/18/21 16:00	15.22	212.3	10.6	8.6	29.06	0.02
3/18/21 16:15	15.31	192.8	12.47	7.848	29.06	0.05
3/18/21 16:30	13.76	210.5	14.02	7.353	29.06	0.07
3/18/21 16:45	9.46	149.6	18.24	7.037	29.06	0.02
3/18/21 17:00	9.44	133.3	13.67	6.854	29.09	0.01
3/18/21 17:15	9.38	139.9	9.72	6.877	29.09	0.01
3/18/21 17:30	10.44	142	8.1	7.016	29.09	0
3/18/21 17:45	11.08	141.1	8.23	6.83	29.09	0.01
3/18/21 18:00	12.31	146	9.99	6.652	29.07	0.02
3/18/21 18:15	11.32	133.3	7.92	6.433	29.07	0.01
3/18/21 18:30	7.809	110.4	12.59	6.104	29.07	0.01
3/18/21 18:45	6.812	102.8	11.48	6.103	29.07	0
3/18/21 19:00	7.06	97.1	12.28	6.122	29.08	0
3/18/21 19:15	8.32	112.4	11.07	6.398	29.08	0
3/18/21 19:30	9.69	109.8	11.02	6.639	29.08	0
3/18/21 19:45	7.485	107.4	11.58	6.771	29.08	0
3/18/21 20:00	8.34	117.8	7.531	7.088	29.06	0
3/18/21 20:15	6.255	112	8.69	6.866	29.06	0
3/18/21 20:30	5.239	111.2	11.69	7.079	29.06	0
3/18/21 20:45	3.997	100.9	11.37	7.106	29.06	0
3/18/21 21:00	3.404	126.5	18.11	7.448	29.07	0
3/18/21 21:15	2.816	146.4	27.6	7.582	29.07	0
3/18/21 21:30	1.984	118.8	49.83	6.606	29.07	0
3/18/21 21:45	1.793	60.85	36.33	5.996	29.07	0
3/18/21 22:00	2.29	98	37.92	6.249	29.1	0
3/18/21 22:15	3.716	118.3	14.04	6.091	29.1	0
3/18/21 22:30	4.176	112.7	12.04	6.365	29.1	0
3/18/21 22:45	4.814	125.5	16	6.706	29.1	0
3/18/21 23:00	4.435	109.6	11.33	6.853	29.09	0
3/18/21 23:15	3.937	131.6	23.69	7.093	29.09	0
3/18/21 23:30	4.757	139.8	14.46	6.706	29.09	0
3/18/21 23:45	5.234	145.3	14.2	7.271	29.09	0
3/19/21 0:00	6.328	149.4	18.26	7.36	29.09	0
3/19/21 0:15	7.652	148.5	16.77	6.139	29.09	0
3/19/21 0:30	7.852	119.3	21.07	6.349	29.09	0
3/19/21 0:45	7.349	117.9	14.6	6.669	29.09	0
3/19/21 1:00	6.897	127.7	9.53	6.671	29.1	0
3/19/21 1:15	6.908	139.5	8.71	6.365	29.1	0
3/19/21 1:30	7.608	152.6	11.83	5.574	29.1	0
3/19/21 1:45	9.25	127	12.16	5.041	29.1	0
3/19/21 2:00	10.72	133.6	7.186	5.66	29.09	0
3/19/21 2:15	11.09	123.5	7.266	5.747	29.09	0
3/19/21 2:30	12.29	125.5	7.69	6.112	29.09	0
3/19/21 2:45	12.85	125.4	8.47	5.982	29.09	0
3/19/21 3:00	12.08	126.1	10.46	5.85	29.09	0
3/19/21 3:15	9.88	138.8	10.33	5.619	29.09	0
3/19/21 3:30	8.84	146.1	8.92	5.393	29.09	0
3/19/21 3:45	8.82	137	6.532	5.734	29.09	0
3/19/21 4:00	7.636	145.3	7.931	6.018	29.13	0
3/19/21 4:15	7.276	139.5	8.14	6.292	29.13	0
3/19/21 4:30	5.558	155.4	9.91	6.57	29.13	0
3/19/21 4:45	5.365	155.8	14.32	6.764	29.13	0
3/19/21 5:00	8.09	192.9	13.09	7.011	29.13	0
3/19/21 5:15	4.931	166	19.55	6.155	29.13	0
3/19/21 5:30	4.652	111.3	19.11	5.723	29.13	0
3/19/21 5:45	4.354	113.2	18.77	6.294	29.13	0
3/19/21 6:00	5.033	143.4	20.61	7.079	29.15	0
3/19/21 6:15	5.527	160.9	16.27	6.392	29.15	0
3/19/21 6:30	4.327	145.9	17.24	6.955	29.15	0
3/19/21 6:45	3.803	144.3	35.13	6.203	29.15	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/19/21 7:00	5.433	153.1	27.77	6.021	29.14	0
3/19/21 7:15	5.594	140.2	18.26	6.074	29.14	0
3/19/21 7:30	5.432	157.4	20.26	5.904	29.14	0
3/19/21 7:45	5.804	138.5	17.96	6.373	29.14	0
3/19/21 8:00	3.957	135.6	16.53	6.637	29.17	0
3/19/21 8:15	6.603	116.7	16.64	6.743	29.17	0
3/19/21 8:30	6.75	130	9.65	6.98	29.17	0
3/19/21 8:45	7.646	123.5	10.48	7.61	29.17	0
3/19/21 9:00	7.124	127.7	9.77	8.17	29.17	0
3/19/21 9:15	7.03	135.6	10.13	8.51	29.17	0
3/19/21 9:30	6.259	122.4	11.1	8.88	29.17	0
3/19/21 9:45	5.649	121.5	14.48	9.27	29.17	0
3/19/21 10:00	6.609	141.3	11.65	9.7	29.18	0
3/19/21 10:15	8.37	144.3	13.25	9.83	29.18	0
3/19/21 10:30	11.48	181.6	15.38	10.02	29.18	0
3/19/21 10:45	14.02	183.6	9.29	10.3	29.18	0
3/19/21 11:00	10.72	180.3	11.78	10.63	29.16	0
3/19/21 11:15	14.88	176.5	10.96	10.56	29.16	0
3/19/21 11:30	16.09	179.2	8.41	10.41	29.16	0
3/19/21 11:45	12.37	181.7	8.87	10.64	29.16	0
3/19/21 12:00	11.53	184.7	8	10.87	29.17	0
3/19/21 12:15	13.98	177.4	10.53	10.98	29.17	0
3/19/21 12:30	13.37	178	10.36	11.11	29.17	0
3/19/21 12:45	15.18	176.9	11.57	11.82	29.17	0
3/19/21 13:00	17.46	176	12.65	11.78	29.15	0
3/19/21 13:15	14.56	184.1	10.41	11.8	29.15	0
3/19/21 13:30	14.77	186.5	13.44	12.19	29.15	0
3/19/21 13:45	16.45	184.8	12.19	11.92	29.15	0
3/19/21 14:00	15.68	192.9	8.57	11.54	29.13	0.01
3/19/21 14:15	15.17	186.3	8.21	11.27	29.13	0
3/19/21 14:30	15.46	185.5	16.85	10.7	29.13	0
3/19/21 14:45	13.88	175.3	8.52	10.65	29.13	0
3/19/21 15:00	14.27	175.6	8.43	10.83	29.13	0
3/19/21 15:15	12.59	172.8	7.337	11.05	29.13	0
3/19/21 15:30	13.88	174.2	9.97	11.22	29.13	0
3/19/21 15:45	14.74	177.4	8.94	11.23	29.13	0
3/19/21 16:00	12.87	175.3	9.28	11.19	29.13	0
3/19/21 16:15	14.73	174	8.79	11.15	29.13	0
3/19/21 16:30	10.91	169	11.09	11.07	29.13	0
3/19/21 16:45	13.45	163.1	9.4	11.18	29.13	0
3/19/21 17:00	13.06	165.4	9.84	11.15	29.09	0
3/19/21 17:15	13.41	179	9.29	11	29.09	0
3/19/21 17:30	19.26	179.5	12.89	10.43	29.09	0
3/19/21 17:45	15.39	170.4	9.99	9.71	29.09	0
3/19/21 18:00	11.41	166.5	7.7	9.78	29.11	0
3/19/21 18:15	11.85	162.1	9.33	9.81	29.11	0
3/19/21 18:30	17.75	164.6	9.71	10.07	29.11	0
3/19/21 18:45	17.45	159.5	8.66	9.95	29.11	0
3/19/21 19:00	13.15	169.3	8.95	9.54	29.13	0
3/19/21 19:15	14.22	170.1	7.458	9.34	29.13	0
3/19/21 19:30	14.59	170	8.84	9.28	29.13	0
3/19/21 19:45	14.22	160.7	10.26	9.13	29.13	0
3/19/21 20:00	15.04	166.1	10.44	8.95	29.14	0
3/19/21 20:15	15.76	160.4	10.86	8.92	29.14	0
3/19/21 20:30	15.25	164.3	10.63	8.78	29.14	0
3/19/21 20:45	12.78	165.7	9.72	8.61	29.14	0
3/19/21 21:00	12.15	166.5	9.61	8.64	29.14	0
3/19/21 21:15	11.32	165.4	9.57	8.63	29.14	0
3/19/21 21:30	12.62	168.9	8.68	8.64	29.14	0
3/19/21 21:45	10.86	166.6	7.801	8.59	29.14	0
3/19/21 22:00	14.51	170.8	9.69	8.65	29.15	0
3/19/21 22:15	17.14	179.1	8.68	8.66	29.15	0
3/19/21 22:30	19.2	177.6	11.05	8.59	29.15	0
3/19/21 22:45	17.6	172.5	10.44	8.39	29.15	0
3/19/21 23:00	18.4	168.8	10.22	8.22	29.15	0
3/19/21 23:15	18.16	171.9	10.55	8.01	29.15	0
3/19/21 23:30	17.22	180.1	10.09	7.666	29.15	0
3/19/21 23:45	15.8	173.6	11.09	6.619	29.15	0.01
3/20/21 0:00	9.96	163.3	10.73	6.413	29.17	0
3/20/21 0:15	8.29	148.3	12.93	6.491	29.17	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/20/21 0:30	8.45	162.9	9.71	6.587	29.17	0
3/20/21 0:45	6.824	144.1	9.25	6.351	29.17	0
3/20/21 1:00	9.14	150	9.36	6.623	29.16	0
3/20/21 1:15	9.86	148.4	7.656	6.61	29.16	0
3/20/21 1:30	8.59	150	8.83	6.56	29.16	0
3/20/21 1:45	8.85	164	8.66	6.915	29.16	0
3/20/21 2:00	9.49	174	10.65	6.85	29.19	0
3/20/21 2:15	12.67	173.8	7.661	6.909	29.19	0
3/20/21 2:30	13.03	170.6	7.638	6.817	29.19	0
3/20/21 2:45	12.07	166.7	8.96	6.783	29.19	0
3/20/21 3:00	14.14	169.4	9.3	6.834	29.17	0
3/20/21 3:15	14.12	166.3	10.13	6.861	29.17	0
3/20/21 3:30	13.01	172	8.35	6.749	29.17	0
3/20/21 3:45	10.3	172.8	7.766	6.64	29.17	0
3/20/21 4:00	7.533	161.9	17.19	6.351	29.19	0
3/20/21 4:15	7.492	153.8	15.03	6.313	29.19	0
3/20/21 4:30	7.578	156.9	10.48	6.43	29.19	0
3/20/21 4:45	6.506	142	5.38	6.149	29.19	0
3/20/21 5:00	7.798	148.2	14.39	6.33	29.18	0
3/20/21 5:15	12.31	174.3	13.55	6.198	29.18	0.01
3/20/21 5:30	10.64	171.5	10.34	5.769	29.18	0
3/20/21 5:45	16.95	186	10.29	5.211	29.18	0.04
3/20/21 6:00	10.14	166.6	11.14	4.643	29.22	0.02
3/20/21 6:15	4.926	159.4	11.14	4.44	29.22	0.02
3/20/21 6:30	7.331	167.6	13.96	4.529	29.22	0.02
3/20/21 6:45	6.866	168.1	13.41	4.495	29.22	0.02
3/20/21 7:00	7.743	170.9	9.76	4.54	29.22	0.01
3/20/21 7:15	6.79	144	13.3	4.432	29.22	0
3/20/21 7:30	7.198	136.3	10.07	4.412	29.22	0.01
3/20/21 7:45	6.037	135.3	10.85	4.5	29.22	0
3/20/21 8:00	7.065	137.7	11.99	4.722	29.22	0
3/20/21 8:15	5.582	120.8	8.9	4.723	29.22	0
3/20/21 8:30	5.51	113.7	10.04	4.68	29.22	0
3/20/21 8:45	5.639	118.2	11.62	4.789	29.22	0
3/20/21 9:00	6.282	135.9	10.49	4.963	29.27	0
3/20/21 9:15	6.883	158	12.02	5.104	29.27	0
3/20/21 9:30	7.308	168.8	11.02	5.332	29.27	0
3/20/21 9:45	8.5	167	9.82	5.527	29.27	0
3/20/21 10:00	7.141	171.8	11.02	5.633	29.28	0
3/20/21 10:15	6.062	171.1	9.11	5.809	29.28	0
3/20/21 10:30	9.19	184.5	16.68	6.114	29.28	0
3/20/21 10:45	8.89	196.9	11.46	6.324	29.28	0
3/20/21 11:00	12.01	198	10.57	6.364	29.31	0
3/20/21 11:15	9.72	195.7	10.09	6.389	29.31	0
3/20/21 11:30	8.46	184.6	9.7	6.409	29.31	0
3/20/21 11:45	6.942	175	10.37	6.596	29.31	0
3/20/21 12:00	6.02	184.1	16.39	6.843	29.31	0
3/20/21 12:15	6.028	204.7	45.17	6.852	29.31	0.01
3/20/21 12:30	7.52	249.9	10.18	6.525	29.31	0.02
3/20/21 12:45	7.431	231.8	9.72	6.973	29.31	0
3/20/21 13:00	6.745	242.6	8.57	7.102	29.33	0
3/20/21 13:15	4.638	258.7	13.55	7.545	29.33	0
3/20/21 13:30	5.216	290.5	16.58	7.464	29.33	0
3/20/21 13:45	2.637	275.4	30.98	7.778	29.33	0
3/20/21 14:00	3.284	229	34.41	7.564	29.34	0.03
3/20/21 14:15	3.843	239.1	29.37	8.29	29.34	0
3/20/21 14:30	4.875	148.4	18.97	8.17	29.34	0
3/20/21 14:45	2.96	167.3	67.67	7.895	29.34	0
3/20/21 15:00	4.566	271.3	19.86	8.31	29.34	0
3/20/21 15:15	5.159	243.2	14.18	8.51	29.34	0
3/20/21 15:30	3.971	220.8	18.54	8.72	29.34	0
3/20/21 15:45	4.743	207.2	17.99	8.62	29.34	0.01
3/20/21 16:00	8.66	211.8	19.84	7.859	29.33	0.05
3/20/21 16:15	8.96	251.2	7.583	7.577	29.33	0.01
3/20/21 16:30	8.71	231.8	9.13	7.861	29.33	0
3/20/21 16:45	9.34	224.3	9.42	7.974	29.33	0
3/20/21 17:00	13.62	216.7	9.47	7.981	29.37	0
3/20/21 17:15	18.33	207.3	7.454	7.775	29.37	0
3/20/21 17:30	14.99	206.4	8.84	7.538	29.37	0
3/20/21 17:45	16.56	205.6	6.96	7.245	29.37	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/20/21 18:00	13.11	207.8	9.58	6.964	29.4	0
3/20/21 18:15	13.06	214.5	10.24	6.705	29.4	0
3/20/21 18:30	15.35	214.7	12.19	6.365	29.4	0
3/20/21 18:45	9.58	222.2	9.17	6.174	29.4	0
3/20/21 19:00	7.84	190.8	18.95	6.1	29.41	0
3/20/21 19:15	7.617	180.1	11.74	5.888	29.41	0
3/20/21 19:30	7.224	181.8	8.52	5.777	29.41	0
3/20/21 19:45	8.89	197.3	11.47	5.773	29.41	0
3/20/21 20:00	10.39	202.7	11.56	5.655	29.45	0
3/20/21 20:15	9.46	207.7	8.16	5.545	29.45	0
3/20/21 20:30	8.57	199.2	9.49	5.481	29.45	0
3/20/21 20:45	7.435	193	11.49	5.416	29.45	0
3/20/21 21:00	7.291	173.4	11.32	5.32	29.47	0
3/20/21 21:15	7.596	168.5	10.27	5.262	29.47	0
3/20/21 21:30	8.95	175.5	9.93	5.162	29.47	0
3/20/21 21:45	10.17	184.2	10.83	5.115	29.47	0
3/20/21 22:00	10.7	180.1	10.43	5.019	29.48	0
3/20/21 22:15	10.04	180.8	9.67	4.913	29.48	0
3/20/21 22:30	10.27	181.3	11.63	4.853	29.48	0
3/20/21 22:45	10.2	176.8	10.07	4.815	29.48	0
3/20/21 23:00	11.55	179.9	8.59	4.765	29.47	0
3/20/21 23:15	10.23	176.2	10.36	4.715	29.47	0
3/20/21 23:30	9.33	176.7	11.08	4.676	29.47	0
3/20/21 23:45	9.73	174	12.19	4.623	29.47	0
3/21/21 0:00	10.61	174.3	11.62	4.599	29.51	0
3/21/21 0:15	10.18	177	10.96	4.531	29.51	0
3/21/21 0:30	9.93	180	11.39	4.467	29.51	0
3/21/21 0:45	10.18	180.8	12.09	4.421	29.51	0
3/21/21 1:00	10.34	178.2	9.61	4.4	29.51	0
3/21/21 1:15	10.12	178.3	10.49	4.347	29.51	0
3/21/21 1:30	9.6	173.2	8.72	4.285	29.51	0
3/21/21 1:45	10.31	166	9.48	4.311	29.51	0
3/21/21 2:00	10.03	163.8	9.67	4.352	29.5	0
3/21/21 2:15	6.927	178.5	13.17	4.229	29.5	0
3/21/21 2:30	9.56	178	12.79	4.136	29.5	0.01
3/21/21 2:45	7.719	170.2	9.51	4.084	29.5	0
3/21/21 3:00	10.16	167	8.27	4.188	29.5	0
3/21/21 3:15	10.39	167.5	10.74	4.216	29.5	0
3/21/21 3:30	9.33	171	8.42	4.176	29.5	0
3/21/21 3:45	10	167.3	10.06	4.137	29.5	0
3/21/21 4:00	10.08	169.7	7.9	4.111	29.5	0
3/21/21 4:15	9.95	170.9	9.8	4.077	29.5	0
3/21/21 4:30	10.19	174	8.93	4.074	29.5	0
3/21/21 4:45	11.16	171.6	9.26	4.124	29.5	0
3/21/21 5:00	10.64	176.3	8.45	4.115	29.51	0
3/21/21 5:15	10.32	179.6	9.47	4.109	29.51	0
3/21/21 5:30	10.52	175.9	8.97	4.096	29.51	0
3/21/21 5:45	10.9	177.8	8.32	4.059	29.51	0
3/21/21 6:00	11.71	182.9	7.707	4.056	29.5	0
3/21/21 6:15	10.29	185.1	8.54	4.059	29.5	0
3/21/21 6:30	10.34	184.9	9.01	4.05	29.5	0
3/21/21 6:45	10.86	183.3	9.59	4.049	29.5	0
3/21/21 7:00	11.03	186.1	8.03	4.015	29.49	0
3/21/21 7:15	10.55	180.6	10.77	4.022	29.49	0
3/21/21 7:30	9.57	175.1	10.53	4.051	29.49	0
3/21/21 7:45	9.83	177.4	8.46	4.127	29.49	0
3/21/21 8:00	11.13	176.1	8.29	4.19	29.5	0
3/21/21 8:15	10.77	176.4	8.08	4.323	29.5	0
3/21/21 8:30	11.27	171.4	9.72	4.416	29.5	0
3/21/21 8:45	10.84	170.7	9.58	4.596	29.5	0
3/21/21 9:00	10.93	166.1	9.93	4.686	29.51	0
3/21/21 9:15	11.7	165.8	8.66	4.776	29.51	0
3/21/21 9:30	12.87	170.1	11.4	4.803	29.51	0
3/21/21 9:45	11.24	177.1	9.45	4.652	29.51	0
3/21/21 10:00	12.2	174.6	9.55	4.532	29.5	0
3/21/21 10:15	13.27	176.1	9.74	4.432	29.5	0
3/21/21 10:30	10.49	170.6	8.55	4.466	29.5	0.01
3/21/21 10:45	10.12	185	10.44	4.386	29.5	0.01
3/21/21 11:00	8.35	182.6	11.21	4.348	29.48	0.01
3/21/21 11:15	8.89	184.8	10.46	4.4	29.48	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/21/21 11:30	7.852	179.2	9.05	4.373	29.48	0
3/21/21 11:45	11.17	182.8	10.8	4.382	29.48	0
3/21/21 12:00	9.48	188.7	13.88	4.374	29.49	0.01
3/21/21 12:15	8.68	165.5	9.18	4.309	29.49	0
3/21/21 12:30	9.4	161.9	8.84	4.399	29.49	0
3/21/21 12:45	8.17	150.3	9.94	4.565	29.49	0.01
3/21/21 13:00	8.87	158.6	9.87	4.656	29.48	0
3/21/21 13:15	10.41	153.3	10.7	4.791	29.48	0.01
3/21/21 13:30	10.25	159.7	8.24	4.941	29.48	0
3/21/21 13:45	10.49	152.9	9.97	4.935	29.48	0.01
3/21/21 14:00	10.01	153.4	9.12	4.976	29.43	0
3/21/21 14:15	10.27	148.6	8.4	4.919	29.43	0.01
3/21/21 14:30	9.17	142.2	9.04	4.936	29.43	0
3/21/21 14:45	9.14	138.1	8.5	5.023	29.43	0
3/21/21 15:00	9.62	145.4	7.71	5.017	29.42	0
3/21/21 15:15	11.14	146.7	9.29	5.02	29.42	0.01
3/21/21 15:30	10.91	137	6.959	4.88	29.42	0
3/21/21 15:45	11.17	142.7	8.16	4.837	29.42	0
3/21/21 16:00	12.11	157.6	8.25	4.922	29.41	0
3/21/21 16:15	11.18	154.9	9.6	4.826	29.41	0.01
3/21/21 16:30	10.47	142.1	6.602	4.681	29.41	0
3/21/21 16:45	12.38	143	7.035	4.654	29.41	0
3/21/21 17:00	10.93	138.9	7.004	4.61	29.36	0
3/21/21 17:15	10.11	135.8	7.221	4.635	29.36	0
3/21/21 17:30	10.38	134.6	6.772	4.613	29.36	0
3/21/21 17:45	9.39	140.8	7.075	4.63	29.36	0
3/21/21 18:00	9.9	147.3	6.833	4.661	29.34	0.01
3/21/21 18:15	9	158.8	8.41	4.796	29.34	0
3/21/21 18:30	10.31	162	8.41	4.872	29.34	0
3/21/21 18:45	11	160.7	7.536	4.902	29.34	0
3/21/21 19:00	9.94	154.1	10.65	4.842	29.34	0
3/21/21 19:15	8.56	146.9	7.971	4.669	29.34	0
3/21/21 19:30	7.808	155.2	9.09	4.745	29.34	0
3/21/21 19:45	7.108	157.7	6.939	4.75	29.34	0.01
3/21/21 20:00	5.891	154.9	6.353	4.565	29.31	0
3/21/21 20:15	6.708	147.1	7.903	4.482	29.31	0
3/21/21 20:30	6.706	142.8	9.18	4.537	29.31	0
3/21/21 20:45	7.492	156.3	9.9	4.765	29.31	0
3/21/21 21:00	6.871	147.5	10.82	4.769	29.27	0
3/21/21 21:15	6.532	135.4	10.61	4.712	29.27	0
3/21/21 21:30	6.331	135.3	11.82	4.595	29.27	0
3/21/21 21:45	8.91	148.4	14.09	4.679	29.27	0.01
3/21/21 22:00	9.74	141.9	6.823	4.593	29.26	0
3/21/21 22:15	11.97	139.4	7.097	4.556	29.26	0.01
3/21/21 22:30	10.5	137.9	10.75	4.574	29.26	0
3/21/21 22:45	8.87	135.8	11.1	4.681	29.26	0
3/21/21 23:00	10.87	147.3	10.22	4.789	29.25	0
3/21/21 23:15	13.29	159.7	7.096	4.976	29.25	0
3/21/21 23:30	11.01	148.5	9.74	4.888	29.25	0
3/21/21 23:45	9.63	143.9	9.04	4.835	29.25	0.01
3/22/21 0:00	8.24	153.6	15.1	4.968	29.22	0
3/22/21 0:15	10.3	143.1	10.35	4.975	29.22	0
3/22/21 0:30	9.42	142.4	7.66	4.987	29.22	0
3/22/21 0:45	8.57	141.8	9.74	4.956	29.22	0
3/22/21 1:00	7.939	140.4	9.81	4.882	29.18	0
3/22/21 1:15	7.32	126.6	12.52	4.715	29.18	0
3/22/21 1:30	8.34	130.6	11.95	4.638	29.18	0
3/22/21 1:45	9.34	153.2	13.46	4.834	29.18	0.01
3/22/21 2:00	7.717	166.1	11.79	4.931	29.19	0
3/22/21 2:15	11.93	166.1	9.27	4.914	29.19	0
3/22/21 2:30	11.94	161.3	9.07	4.942	29.19	0
3/22/21 2:45	12.08	164.3	10.6	5.059	29.19	0
3/22/21 3:00	9.45	167.2	12.87	5.018	29.2	0
3/22/21 3:15	8.72	149.4	18.27	4.778	29.2	0
3/22/21 3:30	5.8	121.9	13.15	4.55	29.2	0
3/22/21 3:45	7.479	134	10.98	4.509	29.2	0
3/22/21 4:00	7.517	156.5	10.84	4.584	29.18	0
3/22/21 4:15	8.28	165.2	9.94	4.582	29.18	0
3/22/21 4:30	8.3	167.3	9.86	4.546	29.18	0
3/22/21 4:45	7.035	171.7	16.56	4.604	29.18	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/22/21 5:00	8.53	186.7	9.41	4.7	29.2	0
3/22/21 5:15	8.48	191.1	9.01	4.66	29.2	0
3/22/21 5:30	7.531	185.7	8.4	4.698	29.2	0
3/22/21 5:45	6.315	175.9	11.47	4.716	29.2	0
3/22/21 6:00	3.815	152.2	37.43	4.745	29.22	0
3/22/21 6:15	3.044	41.28	28.93	4.185	29.22	0
3/22/21 6:30	4.608	36.45	13.22	3.849	29.22	0.01
3/22/21 6:45	4.393	15.83	19.99	3.904	29.22	0.02
3/22/21 7:00	5.949	60.83	37.17	3.671	29.21	0.01
3/22/21 7:15	5.363	346.9	73.44	3.726	29.21	0.01
3/22/21 7:30	5.205	5.8	11.73	3.406	29.21	0.02
3/22/21 7:45	5.931	351	15.6	3.14	29.21	0.03
3/22/21 8:00	7.391	14.89	9.37	2.701	29.21	0.03
3/22/21 8:15	7.696	25.03	9.04	2.611	29.21	0.03
3/22/21 8:30	4.358	49.84	13.6	2.579	29.21	0.04
3/22/21 8:45	3.713	108.2	21.04	2.736	29.21	0
3/22/21 9:00	3.287	160.2	12.02	3.023	29.22	0
3/22/21 9:15	5.167	172.8	8.85	3.054	29.22	0.01
3/22/21 9:30	5.911	166	7.669	2.914	29.22	0
3/22/21 9:45	5.456	164.2	6.243	3.002	29.22	0
3/22/21 10:00	4.826	143	12.13	3.272	29.25	0
3/22/21 10:15	4.673	134.9	7.38	3.471	29.25	0
3/22/21 10:30	5.363	135.7	15.01	4.793	29.25	0
3/22/21 10:45	5.075	122.4	14.95	5.195	29.25	0
3/22/21 11:00	4.752	121.7	14.28	5.576	29.28	0
3/22/21 11:15	5.373	119.3	16.61	6.613	29.28	0
3/22/21 11:30	5.233	147.8	16.77	6.194	29.28	0
3/22/21 11:45	5.852	170.1	24.15	5.968	29.28	0
3/22/21 12:00	6.54	175.9	17.07	6.041	29.29	0
3/22/21 12:15	6.49	169.9	18.42	6.928	29.29	0
3/22/21 12:30	4.558	153.6	20.34	6.579	29.29	0
3/22/21 12:45	4.159	54.07	29.15	6.052	29.29	0.01
3/22/21 13:00	5.971	57.2	11.73	5.274	29.3	0
3/22/21 13:15	4.021	51.46	14.26	6.193	29.3	0
3/22/21 13:30	4.647	59.15	14.14	6.488	29.3	0
3/22/21 13:45	2.973	72.23	21.25	7.222	29.3	0
3/22/21 14:00	2.258	30.52	31.11	7.013	29.3	0
3/22/21 14:15	5.214	316.7	16.83	6.681	29.3	0
3/22/21 14:30	14.09	316.9	7.669	4.853	29.3	0.02
3/22/21 14:45	5.429	301.8	23.03	4.208	29.3	0.01
3/22/21 15:00	2.671	290.6	35.4	5.066	29.32	0
3/22/21 15:15	2.564	120.2	77.51	5.74	29.32	0
3/22/21 15:30	3.458	84.7	16.82	5.819	29.32	0
3/22/21 15:45	2.671	113.8	20.76	6.115	29.32	0
3/22/21 16:00	2.64	109.3	25.09	6.755	29.31	0
3/22/21 16:15	2.55	62.61	21.23	6.855	29.31	0
3/22/21 16:30	2.613	133.4	34.03	7.352	29.31	0
3/22/21 16:45	2.155	109.2	25.4	7.441	29.31	0
3/22/21 17:00	2.23	207.9	35.14	7.984	29.33	0
3/22/21 17:15	2.05	201.3	21.9	7.878	29.33	0
3/22/21 17:30	3.049	5.124	58.51	7.827	29.33	0
3/22/21 17:45	8.43	336	15.97	7.676	29.33	0
3/22/21 18:00	8.03	329.8	18.58	7.237	29.33	0
3/22/21 18:15	9.4	309.3	15.07	6.874	29.33	0
3/22/21 18:30	8.47	327.4	10.69	6.424	29.33	0
3/22/21 18:45	8.98	0.936	15.52	6.439	29.33	0
3/22/21 19:00	6.205	358.9	13.64	6.211	29.37	0
3/22/21 19:15	7.783	350.6	15.14	5.965	29.37	0
3/22/21 19:30	6.069	339.3	11.55	5.813	29.37	0
3/22/21 19:45	4.531	333.3	8.94	5.566	29.37	0
3/22/21 20:00	3.688	335.9	12.18	5.449	29.41	0
3/22/21 20:15	1.664	309.1	22.88	5.41	29.41	0
3/22/21 20:30	2.464	281.6	17.85	5.46	29.41	0
3/22/21 20:45	1.528	305.1	13.27	4.914	29.41	0
3/22/21 21:00	0.887	321.5	13.18	4.914	29.44	0
3/22/21 21:15	1.31	25.18	37.99	4.79	29.44	0
3/22/21 21:30	2.21	59.8	23.89	4.249	29.44	0
3/22/21 21:45	3.279	95.5	7.669	3.83	29.44	0
3/22/21 22:00	3.175	156.2	30.76	3.904	29.47	0
3/22/21 22:15	5.478	175	14.11	3.821	29.47	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/22/21 22:30	2.665	187.1	21.18	3.298	29.47	0
3/22/21 22:45	3.245	181.5	14.77	3.121	29.47	0
3/22/21 23:00	2.413	147.8	16.87	3.148	29.49	0
3/22/21 23:15	1.508	134	20.12	2.61	29.49	0
3/22/21 23:30	1.732	138.3	11.96	2.468	29.49	0
3/22/21 23:45	1.818	150.4	16	2.878	29.49	0
3/23/21 0:00	3.38	153.2	13.25	2.801	29.51	0
3/23/21 0:15	3.206	147.3	10.37	3.26	29.51	0
3/23/21 0:30	1.321	121.1	65.31	3.333	29.51	0
3/23/21 0:45	1.12	130.9	59.34	3.474	29.51	0
3/23/21 1:00	1.171	298.9	6.556	3.154	29.53	0
3/23/21 1:15	0.166	69.53	9.61	3.101	29.53	0
3/23/21 1:30	0.66	72.01	28.78	3.15	29.53	0
3/23/21 1:45	1.525	335.6	61.79	4.026	29.53	0
3/23/21 2:00	1.862	43.53	22.29	3.911	29.54	0
3/23/21 2:15	1.25	255.2	62.54	4.28	29.54	0
3/23/21 2:30	0.843	348.5	31.22	4.181	29.54	0
3/23/21 2:45	1.266	1.485	72.13	4.226	29.54	0
3/23/21 3:00	0.859	211.3	50.81	4.297	29.54	0
3/23/21 3:15	2.556	228.3	29.91	3.224	29.54	0
3/23/21 3:30	3.033	245.6	18.43	3.154	29.54	0
3/23/21 3:45	2.686	228.3	22.06	3.219	29.54	0
3/23/21 4:00	4.598	214.8	7.315	3.352	29.57	0
3/23/21 4:15	3.716	219.8	11.62	3.29	29.57	0
3/23/21 4:30	1.074	312	23.98	2.954	29.57	0
3/23/21 4:45	1.798	22.01	13.66	2.77	29.57	0
3/23/21 5:00	2.03	34.04	8.77	2.775	29.6	0
3/23/21 5:15	2.187	77.55	16.14	2.972	29.6	0
3/23/21 5:30	2.72	97	8.73	3.096	29.6	0
3/23/21 5:45	2.407	93.6	14.13	3.184	29.6	0
3/23/21 6:00	2.414	124.2	17.48	3.186	29.61	0
3/23/21 6:15	2.682	138.9	4.787	3.232	29.61	0
3/23/21 6:30	2.564	154.8	5.591	3.417	29.61	0
3/23/21 6:45	2.509	157.8	13.86	3.623	29.61	0
3/23/21 7:00	0.469	43.96	31.81	3.326	29.63	0
3/23/21 7:15	1.651	109.1	18.64	3.852	29.63	0
3/23/21 7:30	2.092	127.6	23.49	4.575	29.63	0
3/23/21 7:45	2.031	183.8	24.68	5.097	29.63	0
3/23/21 8:00	2.235	210.8	14.91	5.333	29.64	0
3/23/21 8:15	2.82	194.6	24.46	5.384	29.64	0
3/23/21 8:30	3.672	215.5	13.31	5.103	29.64	0
3/23/21 8:45	2.812	249.3	13.42	5.029	29.64	0
3/23/21 9:00	0.675	90.5	45.47	5.745	29.65	0
3/23/21 9:15	2.177	51.92	34.71	6.676	29.65	0
3/23/21 9:30	2.405	28.73	29.56	7.562	29.65	0
3/23/21 9:45	3.33	28.36	17.73	7.185	29.65	0
3/23/21 10:00	1.796	15.25	37	7.813	29.66	0
3/23/21 10:15	2.123	298.2	51.05	8.56	29.66	0
3/23/21 10:30	2.482	302.9	72.63	8.18	29.66	0
3/23/21 10:45	3.589	10.51	19.04	7.866	29.66	0
3/23/21 11:00	4.105	18.58	12.87	7.867	29.64	0
3/23/21 11:15	2.592	355.9	26.37	8.22	29.64	0
3/23/21 11:30	4.223	10.69	16.89	7.845	29.64	0
3/23/21 11:45	3.792	349.8	21.04	8.11	29.64	0
3/23/21 12:00	4.834	5.008	12.62	8.19	29.66	0
3/23/21 12:15	5.017	331.2	14.14	8.37	29.66	0
3/23/21 12:30	1.948	0.423	27.91	8.55	29.66	0
3/23/21 12:45	3.437	16.77	26.14	9.38	29.66	0
3/23/21 13:00	6.953	21.27	14.97	8.41	29.64	0
3/23/21 13:15	7.136	20.13	11.93	8.38	29.64	0
3/23/21 13:30	3.841	3.085	26.05	8.96	29.64	0
3/23/21 13:45	2.629	5.183	34.44	9.48	29.64	0
3/23/21 14:00	2.681	314	42.77	10.23	29.64	0
3/23/21 14:15	2.145	22.59	23.56	10.5	29.64	0
3/23/21 14:30	6.34	11.71	14.43	9.27	29.64	0
3/23/21 14:45	2.753	351.8	9.75	9.29	29.64	0
3/23/21 15:00	1.4	12.5	14.43	9.39	29.62	0
3/23/21 15:15	1.027	71.54	30.44	9.94	29.62	0
3/23/21 15:30	1.464	18.53	59.53	10.25	29.62	0
3/23/21 15:45	0.71	96.2	58.83	10.28	29.62	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/23/21 16:00	1.171	57.74	39.95	10.56	29.62	0
3/23/21 16:15	2.37	53.05	38.88	10.23	29.62	0
3/23/21 16:30	2.525	331.3	17.03	10.56	29.62	0
3/23/21 16:45	4.482	304.6	23.56	10.73	29.62	0
3/23/21 17:00	2.778	334.5	35.52	10.59	29.6	0
3/23/21 17:15	3.549	256.6	30.09	10.59	29.6	0
3/23/21 17:30	4.932	290.2	12.37	10.07	29.6	0
3/23/21 17:45	4.887	285.6	10.46	9.78	29.6	0
3/23/21 18:00	4.798	275.2	6.731	9.48	29.58	0
3/23/21 18:15	4.401	260.7	6.774	9.22	29.58	0
3/23/21 18:30	4.305	272.8	3.931	9.01	29.58	0
3/23/21 18:45	4.399	273.8	5.566	8.82	29.58	0
3/23/21 19:00	4.309	295.6	21.98	8.6	29.58	0
3/23/21 19:15	3.124	332.1	11.01	8.08	29.58	0
3/23/21 19:30	2.279	354.1	14.12	7.92	29.58	0
3/23/21 19:45	1.849	17.68	15.77	7.799	29.58	0
3/23/21 20:00	2.219	63.71	9.89	7.482	29.55	0
3/23/21 20:15	1.7	71.34	19.8	7.12	29.55	0
3/23/21 20:30	3.461	168.5	15.3	7.57	29.55	0
3/23/21 20:45	3.61	135.4	17.94	7.372	29.55	0
3/23/21 21:00	2.496	91.2	15.87	7.164	29.53	0
3/23/21 21:15	2.418	77.33	10.6	6.583	29.53	0
3/23/21 21:30	3.474	95.4	10.91	6.316	29.53	0
3/23/21 21:45	3.618	134.4	13.59	6.821	29.53	0
3/23/21 22:00	3.565	135.4	11.87	6.992	29.52	0
3/23/21 22:15	3.821	164.5	30.63	6.892	29.52	0
3/23/21 22:30	4.689	189.3	10.67	6.43	29.52	0
3/23/21 22:45	4.777	181	16.23	6.382	29.52	0
3/23/21 23:00	6.8	182	6.891	6.119	29.5	0
3/23/21 23:15	6.921	146	10.94	5.949	29.5	0
3/23/21 23:30	6.979	137.4	5.002	5.895	29.5	0
3/23/21 23:45	7.26	143	5.742	5.908	29.5	0
3/24/21 0:00	6.282	145.5	11.63	5.859	29.45	0
3/24/21 0:15	5.362	135	9.23	5.761	29.45	0
3/24/21 0:30	6.762	137.3	6.752	5.623	29.45	0
3/24/21 0:45	6.492	156.4	16.16	5.654	29.45	0
3/24/21 1:00	8.11	166.1	7.74	5.724	29.45	0
3/24/21 1:15	7.991	163.7	6.876	5.529	29.45	0
3/24/21 1:30	8.72	160.7	7.662	5.294	29.45	0
3/24/21 1:45	10.22	157.2	13.24	5.011	29.45	0.01
3/24/21 2:00	8.92	149.7	11.49	4.803	29.4	0.01
3/24/21 2:15	8.66	163.8	7.481	4.832	29.4	0
3/24/21 2:30	8.4	155	8.98	4.688	29.4	0
3/24/21 2:45	8.59	154.4	10.1	4.653	29.4	0
3/24/21 3:00	8.42	138.5	9.6	4.603	29.37	0
3/24/21 3:15	8.72	137.2	8.02	4.604	29.37	0
3/24/21 3:30	6.592	158.7	14.87	4.748	29.37	0
3/24/21 3:45	10.84	163.8	13.76	4.872	29.37	0
3/24/21 4:00	13.58	172.8	11.27	4.726	29.34	0
3/24/21 4:15	13.4	162.8	9.96	4.578	29.34	0
3/24/21 4:30	10.18	149.7	14.52	4.529	29.34	0
3/24/21 4:45	10.09	148.4	9.25	4.46	29.34	0
3/24/21 5:00	9.03	146.2	9.37	4.364	29.28	0
3/24/21 5:15	11.68	129.6	10.35	4.346	29.28	0
3/24/21 5:30	8.92	122.3	8.53	4.273	29.28	0
3/24/21 5:45	10.02	129.8	8.67	4.351	29.28	0
3/24/21 6:00	9.89	141.5	7.092	4.367	29.23	0
3/24/21 6:15	8.54	157.9	9.27	4.598	29.23	0
3/24/21 6:30	7.655	153.5	10.74	4.662	29.23	0
3/24/21 6:45	8.98	149.6	10.28	4.818	29.23	0
3/24/21 7:00	8.87	154.2	11.88	5.069	29.2	0
3/24/21 7:15	7.573	134.8	11.49	5.027	29.2	0
3/24/21 7:30	7.619	134.6	10.66	5.055	29.2	0
3/24/21 7:45	6.583	126.7	10.51	5.044	29.2	0
3/24/21 8:00	6.246	125.5	10.31	5.016	29.16	0
3/24/21 8:15	5.727	122.5	16.37	5.226	29.16	0
3/24/21 8:30	5.329	134.9	16.65	5.468	29.16	0
3/24/21 8:45	8.43	157.6	14.56	5.646	29.16	0
3/24/21 9:00	7.908	176.8	11.91	5.794	29.12	0
3/24/21 9:15	12.03	175.5	11.11	5.892	29.12	0.01

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/24/21 9:30	12.91	176.9	12.82	5.867	29.12	0
3/24/21 9:45	14.08	169.8	9.69	5.935	29.12	0
3/24/21 10:00	13.06	170.6	11.7	6.022	29.12	0
3/24/21 10:15	12.74	173.5	10.62	6.226	29.12	0
3/24/21 10:30	12.08	177.4	12.36	6.398	29.12	0
3/24/21 10:45	15.32	174.2	11.73	6.596	29.12	0
3/24/21 11:00	15.99	178.7	10.65	6.818	29.07	0
3/24/21 11:15	15.37	176.8	12.64	7.103	29.07	0
3/24/21 11:30	12.96	176.5	10.63	7.303	29.07	0
3/24/21 11:45	14.05	175	11.56	7.483	29.07	0
3/24/21 12:00	14.43	173.6	10.08	7.636	29.03	0
3/24/21 12:15	15.42	180.5	10.23	7.76	29.03	0
3/24/21 12:30	12.9	178.2	13.35	7.927	29.03	0
3/24/21 12:45	13.33	190.8	11.97	8.04	29.03	0
3/24/21 13:00	12.61	183.3	9.69	8.21	29.01	0
3/24/21 13:15	12.46	185.6	10.91	8.39	29.01	0
3/24/21 13:30	12.5	187.2	11.86	8.6	29.01	0
3/24/21 13:45	12.85	194.8	11.25	8.52	29.01	0
3/24/21 14:00	11.95	183.3	8.41	8.58	28.97	0
3/24/21 14:15	16.81	192.8	9.15	8.49	28.97	0
3/24/21 14:30	11.69	191.1	12.97	8.68	28.97	0
3/24/21 14:45	11.21	195.9	9.71	9.08	28.97	0
3/24/21 15:00	13.61	206.2	10.04	9.37	28.96	0
3/24/21 15:15	16.63	206	10.53	9.21	28.96	0
3/24/21 15:30	15.69	191.8	9.12	9.35	28.96	0
3/24/21 15:45	15.5	200	9.73	9.6	28.96	0
3/24/21 16:00	12.46	192.3	8.82	9.02	28.97	0
3/24/21 16:15	9.53	193.2	13.2	8.65	28.97	0
3/24/21 16:30	8.48	166.6	9.78	8.09	28.97	0
3/24/21 16:45	6.732	163.8	7.171	7.879	28.97	0
3/24/21 17:00	8.04	169.1	10.73	7.925	28.97	0
3/24/21 17:15	9.07	184.9	13.57	7.694	28.97	0
3/24/21 17:30	6.684	163.3	9.82	7.374	28.97	0
3/24/21 17:45	6.167	166.5	7.755	7.318	28.97	0
3/24/21 18:00	2.972	177.2	23.36	7.204	28.95	0.01
3/24/21 18:15	5.155	307.9	18.44	6.649	28.95	0.09
3/24/21 18:30	2.039	338.8	8.68	6.037	28.95	0.04
3/24/21 18:45	0.713	160.8	3.751	5.829	28.95	0.03
3/24/21 19:00	2.285	153.2	10.72	5.704	28.94	0.03
3/24/21 19:15	2.327	144.5	6.377	5.623	28.94	0
3/24/21 19:30	3.41	113.8	24.54	5.625	28.94	0
3/24/21 19:45	2.963	91.4	7.162	5.43	28.94	0.01
3/24/21 20:00	3.001	100.8	7.914	5.371	28.97	0
3/24/21 20:15	3.5	125.4	13.26	5.285	28.97	0
3/24/21 20:30	4.587	128	10.51	5.291	28.97	0
3/24/21 20:45	4.882	146.4	15.31	5.32	28.97	0
3/24/21 21:00	5.254	192.9	9.11	5.429	28.96	0.02
3/24/21 21:15	5.804	179.1	12.15	5.424	28.96	0.02
3/24/21 21:30	1.761	104.7	33.27	5.33	28.96	0.01
3/24/21 21:45	3.304	103.1	44.44	5.267	28.96	0
3/24/21 22:00	4.371	84.9	18.76	5.066	28.97	0.01
3/24/21 22:15	5.311	116.9	9.07	5.006	28.97	0
3/24/21 22:30	3.543	111.4	17.91	5.031	28.97	0
3/24/21 22:45	4.448	107.1	11.19	5.023	28.97	0
3/24/21 23:00	5.262	123.2	15.65	5.027	28.95	0.01
3/24/21 23:15	4.21	96.8	9.76	4.925	28.95	0
3/24/21 23:30	4.346	112.5	14.81	4.881	28.95	0
3/24/21 23:45	4.62	116.8	8.98	4.859	28.95	0.01
3/25/21 0:00	4.352	145.5	11.1	4.795	28.95	0
3/25/21 0:15	3.916	122.3	10.95	4.709	28.95	0.03
3/25/21 0:30	3.688	117.6	8.41	4.638	28.95	0.03
3/25/21 0:45	3.079	86.8	15.83	4.619	28.95	0.01
3/25/21 1:00	4.777	97.8	8.74	4.542	28.98	0.01
3/25/21 1:15	3.628	106.3	10.29	4.548	28.98	0.03
3/25/21 1:30	3.139	101.8	8.91	4.602	28.98	0.03
3/25/21 1:45	2.538	132.1	20.71	4.609	28.98	0.01
3/25/21 2:00	1.992	131.9	21.84	4.643	28.95	0.02
3/25/21 2:15	1.597	59.86	10.46	4.582	28.95	0.01
3/25/21 2:30	4.196	72.45	14.48	4.4	28.95	0.02
3/25/21 2:45	4.89	92.9	11.69	4.214	28.95	0.02

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/25/21 3:00	4.635	85.2	10.92	4.095	28.95	0.02
3/25/21 3:15	4.73	80.9	9.5	4.03	28.95	0.03
3/25/21 3:30	5.936	105.6	12.85	3.997	28.95	0.02
3/25/21 3:45	4.957	107.4	7.717	3.969	28.95	0.01
3/25/21 4:00	3.937	110.9	9.96	3.944	28.98	0.01
3/25/21 4:15	3.649	116.3	12.79	3.929	28.98	0
3/25/21 4:30	3.557	83.2	12.54	3.92	28.98	0.01
3/25/21 4:45	4.185	94.3	11.49	3.896	28.98	0
3/25/21 5:00	4.698	95.7	10.85	3.931	28.98	0.01
3/25/21 5:15	3.781	90	9.99	3.947	28.98	0.01
3/25/21 5:30	4.151	96.2	8.56	3.961	28.98	0.01
3/25/21 5:45	4.896	102.9	9.09	3.987	28.98	0.01
3/25/21 6:00	4.662	103.9	8.27	4	28.98	0
3/25/21 6:15	3.929	93.9	10.21	4.004	28.98	0.01
3/25/21 6:30	3.53	72.64	10.81	4.017	28.98	0.01
3/25/21 6:45	3.349	76.42	8.35	4.028	28.98	0
3/25/21 7:00	3.135	65.1	9.6	4.096	29.01	0.01
3/25/21 7:15	2.435	56.35	7.737	4.135	29.01	0.01
3/25/21 7:30	2.916	92.6	12.59	4.14	29.01	0
3/25/21 7:45	3.456	106.4	8.96	4.349	29.01	0
3/25/21 8:00	4.245	103.5	10.38	4.522	29.04	0.01
3/25/21 8:15	3.378	81.2	15.01	4.684	29.04	0
3/25/21 8:30	3.196	76.7	22.75	5.063	29.04	0
3/25/21 8:45	3.563	70.97	17.97	5.303	29.04	0
3/25/21 9:00	3.379	73.92	19.16	5.323	29.06	0
3/25/21 9:15	2.908	71.54	22.73	5.354	29.06	0
3/25/21 9:30	1.824	125.4	21.6	5.605	29.06	0
3/25/21 9:45	1.412	82.4	22.4	5.863	29.06	0
3/25/21 10:00	1.089	59.92	19.99	6.166	29.09	0
3/25/21 10:15	2.011	37.59	21.28	6.7	29.09	0
3/25/21 10:30	1.665	47.56	37.42	7.467	29.09	0
3/25/21 10:45	3.298	14.91	28.83	8.01	29.09	0
3/25/21 11:00	5.312	326.6	19.67	7.04	29.09	0
3/25/21 11:15	3.836	332.1	12.57	6.655	29.09	0
3/25/21 11:30	2.424	340.2	19.09	7.027	29.09	0
3/25/21 11:45	2.382	354	30.56	7.682	29.09	0
3/25/21 12:00	5.072	359.2	19.1	7.478	29.1	0
3/25/21 12:15	5.499	354.6	15.4	7.412	29.1	0
3/25/21 12:30	3.823	4.432	18.91	7.66	29.1	0
3/25/21 12:45	6.418	356.5	20.17	7.791	29.1	0
3/25/21 13:00	6.944	332.5	11.47	7.583	29.12	0
3/25/21 13:15	6.455	333	13.69	7.741	29.12	0
3/25/21 13:30	6.183	320.7	22.76	8.19	29.12	0
3/25/21 13:45	6.925	283	13.43	9.04	29.12	0
3/25/21 14:00	5.896	290.8	20.59	9.48	29.13	0
3/25/21 14:15	3.914	1.993	19.58	9.11	29.13	0
3/25/21 14:30	6.038	353.5	20.57	9.17	29.13	0
3/25/21 14:45	5.279	321	31.03	9.78	29.13	0
3/25/21 15:00	7.933	3.835	12.5	9.12	29.14	0
3/25/21 15:15	5.234	351.9	17.53	9.28	29.14	0
3/25/21 15:30	6.28	7.82	27.08	9.63	29.14	0
3/25/21 15:45	6.017	324.4	37.65	9.45	29.14	0
3/25/21 16:00	6.259	288.5	10.48	9.3	29.15	0
3/25/21 16:15	3.557	5.73	19.73	9.35	29.15	0
3/25/21 16:30	5.513	10.24	15.31	9.33	29.15	0
3/25/21 16:45	5.328	5.502	14.53	9.04	29.15	0
3/25/21 17:00	3.196	17.57	16.71	9.38	29.16	0
3/25/21 17:15	7.28	304.5	33.27	9.97	29.16	0
3/25/21 17:30	8.48	295.9	14.3	9.91	29.16	0
3/25/21 17:45	4.911	327.7	22.45	9.86	29.16	0
3/25/21 18:00	6.097	352	14.77	9.25	29.18	0
3/25/21 18:15	6.151	6.433	11.28	8.55	29.18	0
3/25/21 18:30	5.252	9.63	8.42	7.91	29.18	0
3/25/21 18:45	3.405	3.341	8.21	7.87	29.18	0
3/25/21 19:00	2.108	330.9	13.99	7.988	29.2	0
3/25/21 19:15	1.851	295.9	9.02	8.01	29.2	0
3/25/21 19:30	2.646	308.7	12.16	7.838	29.2	0
3/25/21 19:45	2.623	352.1	12.09	7.055	29.2	0
3/25/21 20:00	2.584	8.02	10.91	6.852	29.21	0
3/25/21 20:15	2.622	33.18	10.35	6.393	29.21	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/25/21 20:30	2.192	85.4	46.19	5.948	29.21	0
3/25/21 20:45	2.727	146.9	14.96	6.27	29.21	0
3/25/21 21:00	3.318	143.9	17.51	6.829	29.24	0
3/25/21 21:15	2.649	84.6	19.48	5.155	29.24	0
3/25/21 21:30	1.664	57.39	7.19	5.058	29.24	0
3/25/21 21:45	1.256	57.68	1.369	5.69	29.24	0
3/25/21 22:00	2.165	79.37	13.63	5.572	29.27	0
3/25/21 22:15	2.678	80.3	7.646	4.959	29.27	0
3/25/21 22:30	2.881	112.5	33.85	4.841	29.27	0
3/25/21 22:45	3.019	152	12.25	5.507	29.27	0
3/25/21 23:00	3.268	144.5	9.03	5.23	29.28	0
3/25/21 23:15	3.347	124.7	5.886	5.572	29.28	0
3/25/21 23:30	3.142	109.4	21.74	4.683	29.28	0
3/25/21 23:45	3.916	128.5	7.736	4.777	29.28	0
3/26/21 0:00	4.134	128.5	8.79	4.832	29.28	0
3/26/21 0:15	2.823	128.4	16.06	4.624	29.28	0
3/26/21 0:30	3.577	156.7	13.54	4.181	29.28	0
3/26/21 0:45	4.912	169.1	14.49	3.46	29.28	0
3/26/21 1:00	4.657	157.1	8.66	3.707	29.29	0
3/26/21 1:15	4.484	129.4	6.697	4.606	29.29	0
3/26/21 1:30	2.896	102.4	17.89	5.152	29.29	0
3/26/21 1:45	2.896	96.8	16.12	4.737	29.29	0
3/26/21 2:00	4.918	130.4	14.91	5.096	29.31	0
3/26/21 2:15	6.006	145.4	5.784	4.867	29.31	0
3/26/21 2:30	5.703	131.2	8.46	4.818	29.31	0
3/26/21 2:45	4.836	115.9	8.05	5.226	29.31	0
3/26/21 3:00	5.392	136.5	9.16	5.276	29.32	0
3/26/21 3:15	5.456	141.4	4.185	5.23	29.32	0
3/26/21 3:30	5.278	139	4.198	5.321	29.32	0
3/26/21 3:45	3.511	151.8	10.35	5.266	29.32	0
3/26/21 4:00	4.835	140.8	7.45	5.222	29.33	0
3/26/21 4:15	3.905	148.8	12.47	5.312	29.33	0
3/26/21 4:30	4.652	163.1	7.296	5.575	29.33	0
3/26/21 4:45	4.095	159.1	8.26	5.542	29.33	0
3/26/21 5:00	4.888	166.5	7.848	5.525	29.34	0
3/26/21 5:15	5.547	164.8	8.21	5.424	29.34	0
3/26/21 5:30	5.26	162.3	6.189	5.353	29.34	0
3/26/21 5:45	3.049	149	12.76	5.234	29.34	0
3/26/21 6:00	3.321	143.3	8.41	5.151	29.37	0
3/26/21 6:15	5.576	144.5	8.69	5.194	29.37	0
3/26/21 6:30	6.135	167.3	5.817	5.304	29.37	0
3/26/21 6:45	6.267	164.1	7.191	5.229	29.37	0
3/26/21 7:00	6.816	165.6	7.036	5.098	29.36	0
3/26/21 7:15	6.909	162.9	7.485	5.142	29.36	0
3/26/21 7:30	7.292	169.3	7.785	5.198	29.36	0
3/26/21 7:45	6.35	165.3	9.43	5.202	29.36	0
3/26/21 8:00	6.462	164.7	11.23	5.47	29.4	0
3/26/21 8:15	7.965	175.6	7.981	5.417	29.4	0
3/26/21 8:30	6.593	167.7	9.65	5.508	29.4	0
3/26/21 8:45	5.233	162.5	10.65	5.706	29.4	0
3/26/21 9:00	6.743	142.3	13.16	6.201	29.4	0
3/26/21 9:15	8.2	161.5	15.73	6.723	29.4	0
3/26/21 9:30	7.776	163.2	11.2	6.59	29.4	0
3/26/21 9:45	6.744	197.6	17.13	6.826	29.4	0
3/26/21 10:00	6.748	186.9	16.55	7.226	29.43	0
3/26/21 10:15	9.29	160	10.56	7.366	29.43	0
3/26/21 10:30	10.43	154.7	14.73	7.569	29.43	0
3/26/21 10:45	11.74	173.8	12.07	7.711	29.43	0
3/26/21 11:00	11.25	165.9	9.29	7.751	29.44	0
3/26/21 11:15	10.09	171.5	12.69	7.895	29.44	0
3/26/21 11:30	10.28	174.3	14.14	8.18	29.44	0
3/26/21 11:45	11.1	172.1	11.53	8.39	29.44	0
3/26/21 12:00	9.04	186.9	16.91	8.08	29.43	0
3/26/21 12:15	9.09	174.6	11.98	8.35	29.43	0
3/26/21 12:30	8.53	180.1	10.88	8.45	29.43	0
3/26/21 12:45	8.7	169.4	16.55	8.79	29.43	0
3/26/21 13:00	9.4	183	15.82	8.78	29.44	0
3/26/21 13:15	9.2	163.8	13.98	8.77	29.44	0
3/26/21 13:30	7.722	157.7	15.86	8.79	29.44	0
3/26/21 13:45	8.37	180.3	13.02	9	29.44	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/26/21 14:00	8.66	173.6	14.5	9.11	29.45	0
3/26/21 14:15	7.649	186.8	14.61	9.34	29.45	0
3/26/21 14:30	4.584	197	29.7	9.52	29.45	0
3/26/21 14:45	6.803	186.6	30.64	9.8	29.45	0
3/26/21 15:00	7.31	202.3	15.08	9.91	29.44	0
3/26/21 15:15	7.559	183.5	12.39	9.97	29.44	0
3/26/21 15:30	6.577	196.5	16.01	9.98	29.44	0
3/26/21 15:45	8.13	242.2	27.55	9.81	29.44	0
3/26/21 16:00	7.294	247.5	14.73	9.78	29.47	0
3/26/21 16:15	6.798	250.7	10.15	9.61	29.47	0
3/26/21 16:30	7.943	240.3	10.85	9.58	29.47	0
3/26/21 16:45	6.386	233.8	10.56	9.51	29.47	0
3/26/21 17:00	4.834	234.9	16.39	9.5	29.45	0
3/26/21 17:15	3.02	255.6	21.46	9.59	29.45	0
3/26/21 17:30	4.775	239	23.54	9.54	29.45	0
3/26/21 17:45	2.546	257.6	31.06	9.6	29.45	0
3/26/21 18:00	2.353	226	35.46	9.52	29.46	0
3/26/21 18:15	2.58	226.1	24.99	9.51	29.46	0
3/26/21 18:30	4.321	213.9	4.968	9.47	29.46	0
3/26/21 18:45	3.272	217.5	6.427	9.4	29.46	0
3/26/21 19:00	2.778	199.4	15.43	9.31	29.49	0
3/26/21 19:15	1.105	95.5	25.27	8.94	29.49	0
3/26/21 19:30	2.449	193.5	4.765	9.05	29.49	0
3/26/21 19:45	3.391	191.2	6.404	8.98	29.49	0
3/26/21 20:00	3.364	192.2	7.551	8.91	29.51	0
3/26/21 20:15	3.024	197.4	11.8	8.85	29.51	0
3/26/21 20:30	2.445	180.4	19.39	8.91	29.51	0
3/26/21 20:45	1.207	157.1	42.75	8.56	29.51	0
3/26/21 21:00	4.923	218.5	8.85	8.53	29.52	0
3/26/21 21:15	5.398	227.7	9.13	8.46	29.52	0
3/26/21 21:30	7.091	223	8.13	8.17	29.52	0
3/26/21 21:45	6.063	222.3	8.18	8.04	29.52	0
3/26/21 22:00	4.809	220.7	8.53	7.984	29.53	0
3/26/21 22:15	4.867	214.8	13.54	7.806	29.53	0
3/26/21 22:30	3.699	213.1	6.84	7.729	29.53	0
3/26/21 22:45	4.924	207.2	6.794	7.623	29.53	0
3/26/21 23:00	6.2	189.5	9.47	7.461	29.54	0
3/26/21 23:15	4.046	203.8	8.87	7.422	29.54	0
3/26/21 23:30	4.445	198.7	10.13	7.383	29.54	0
3/26/21 23:45	4.813	174.7	13.82	7.24	29.54	0
3/27/21 0:00	4.671	183.2	8.85	7.151	29.55	0
3/27/21 0:15	3.874	184.4	6.939	7.051	29.55	0
3/27/21 0:30	3.483	176.2	8.66	6.999	29.55	0
3/27/21 0:45	5.12	184.7	7.549	6.984	29.55	0
3/27/21 1:00	7.296	178.8	6.594	6.777	29.54	0
3/27/21 1:15	6.623	175.1	5.942	6.51	29.54	0
3/27/21 1:30	5.732	181.7	5.636	6.409	29.54	0
3/27/21 1:45	5.477	179.6	5.899	6.407	29.54	0
3/27/21 2:00	5.808	175.8	6.416	6.462	29.56	0
3/27/21 2:15	5.634	169.2	6.67	6.517	29.56	0
3/27/21 2:30	5.39	157.5	13.76	6.385	29.56	0
3/27/21 2:45	5.409	170.1	8.33	6.443	29.56	0
3/27/21 3:00	4.193	158.6	11.43	6.288	29.57	0
3/27/21 3:15	3.412	153.3	11.83	6.205	29.57	0
3/27/21 3:30	3.126	151.6	8.07	6.087	29.57	0
3/27/21 3:45	2.775	136.6	13.96	6.096	29.57	0
3/27/21 4:00	3.811	133.7	3.915	6.076	29.54	0
3/27/21 4:15	4.547	167.2	10.48	6.147	29.54	0
3/27/21 4:30	3.421	142.4	20.9	5.987	29.54	0
3/27/21 4:45	1.947	56.43	15.03	5.742	29.54	0
3/27/21 5:00	2.058	73.9	9.86	5.797	29.57	0
3/27/21 5:15	2.848	96.3	4.944	5.873	29.57	0
3/27/21 5:30	2.14	172.4	42.5	5.978	29.57	0
3/27/21 5:45	3.577	177.8	7.434	6.035	29.57	0
3/27/21 6:00	3.043	146.7	17.96	5.852	29.54	0
3/27/21 6:15	1.465	110	7.493	5.634	29.54	0
3/27/21 6:30	0.621	123.2	26.34	5.636	29.54	0
3/27/21 6:45	2.091	162.9	10.03	5.875	29.54	0
3/27/21 7:00	2.159	161	12.6	6.042	29.58	0
3/27/21 7:15	2.551	172.1	17.13	6.153	29.58	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/27/21 7:30	3.279	174.5	10.76	6.198	29.58	0
3/27/21 7:45	3.297	170.9	12.95	6.244	29.58	0
3/27/21 8:00	3.92	147.7	33.97	6.366	29.57	0
3/27/21 8:15	2.94	123.6	31.34	6.584	29.57	0
3/27/21 8:30	2.824	178.5	18.86	6.688	29.57	0
3/27/21 8:45	3.336	180.9	14.11	6.668	29.57	0
3/27/21 9:00	1.841	214.3	32.23	6.785	29.58	0
3/27/21 9:15	1.976	189.9	20.37	6.881	29.58	0
3/27/21 9:30	3.049	135.1	47.58	7.054	29.58	0
3/27/21 9:45	1.436	93.7	57.54	7.188	29.58	0
3/27/21 10:00	3.523	198.4	22.26	7.198	29.58	0
3/27/21 10:15	4.799	203.1	21.94	7.364	29.58	0
3/27/21 10:30	5.149	220.5	16.12	7.564	29.58	0
3/27/21 10:45	4.822	239.9	22.11	7.882	29.58	0
3/27/21 11:00	4.181	257.4	19.02	8.22	29.56	0
3/27/21 11:15	3.167	228.2	48.68	8.64	29.56	0
3/27/21 11:30	4.443	200.6	34.4	8.93	29.56	0
3/27/21 11:45	4.476	207.1	37.99	9.17	29.56	0
3/27/21 12:00	4.134	138.9	34.24	9.75	29.55	0
3/27/21 12:15	3.246	219.7	36.93	10.22	29.55	0
3/27/21 12:30	5.032	245.5	30.08	10.55	29.55	0
3/27/21 12:45	3.95	215.6	42.64	10.87	29.55	0
3/27/21 13:00	3.866	205.2	31.64	11.25	29.51	0
3/27/21 13:15	4.408	235.3	45.8	11.54	29.51	0
3/27/21 13:30	5.683	250.6	25.2	11.86	29.51	0
3/27/21 13:45	4.278	258.5	31.2	11.95	29.51	0
3/27/21 14:00	3.929	235.9	60.49	12.19	29.52	0
3/27/21 14:15	5.215	244.9	22.56	12.16	29.52	0
3/27/21 14:30	5.77	258	13.56	12.08	29.52	0
3/27/21 14:45	4.258	262.4	21.73	12.35	29.52	0
3/27/21 15:00	4.161	265.7	17.39	12.08	29.51	0
3/27/21 15:15	4.015	214.8	29	12.04	29.51	0
3/27/21 15:30	2.124	330.8	72.52	12.03	29.51	0
3/27/21 15:45	2.546	124.6	33.83	12.31	29.51	0
3/27/21 16:00	4.276	207.5	17.12	12.32	29.5	0
3/27/21 16:15	4.786	213.4	11.79	12.31	29.5	0
3/27/21 16:30	5.821	221.8	14.6	12.11	29.5	0
3/27/21 16:45	7.759	258.3	7.036	11.79	29.5	0
3/27/21 17:00	6.964	260.9	7.047	11.58	29.5	0
3/27/21 17:15	5.27	275.6	13.52	11.43	29.5	0
3/27/21 17:30	4.489	280.5	10.23	11.43	29.5	0
3/27/21 17:45	3.298	286.2	8.73	11.31	29.5	0
3/27/21 18:00	2.911	304.8	5.241	10.97	29.48	0
3/27/21 18:15	1.826	329	4.389	10.84	29.48	0
3/27/21 18:30	1.123	346.8	12.96	10.69	29.48	0
3/27/21 18:45	1.964	22.87	5.791	10.49	29.48	0
3/27/21 19:00	1.805	58	12.38	10.37	29.43	0
3/27/21 19:15	1.162	66.26	2.418	10.5	29.43	0
3/27/21 19:30	0.933	98.1	24.3	10.28	29.43	0
3/27/21 19:45	2.593	128.3	17.5	10.03	29.43	0
3/27/21 20:00	4.004	153.1	16.27	9.67	29.42	0
3/27/21 20:15	3.99	154.9	14.86	9.56	29.42	0
3/27/21 20:30	3.721	141.3	17.02	9.1	29.42	0
3/27/21 20:45	4.512	140.2	16.47	8.91	29.42	0
3/27/21 21:00	5.663	150.8	13.06	8.97	29.4	0
3/27/21 21:15	4.453	140.3	12.63	8.91	29.4	0
3/27/21 21:30	4.013	118.9	8	8.97	29.4	0
3/27/21 21:45	4.171	134.6	6.895	8.7	29.4	0
3/27/21 22:00	5.895	136.6	5.727	8.77	29.39	0
3/27/21 22:15	5.93	126.7	7.614	8.7	29.39	0
3/27/21 22:30	7.195	127.6	6.568	8.81	29.39	0
3/27/21 22:45	6.538	132.3	7.706	8.79	29.39	0
3/27/21 23:00	5.968	136.1	9.96	8.62	29.37	0
3/27/21 23:15	6.038	143.3	7.376	8.58	29.37	0
3/27/21 23:30	5.892	155.7	9.86	8.05	29.37	0
3/27/21 23:45	5.666	146.8	6.774	7.907	29.37	0
3/28/21 0:00	5.957	138.5	9.23	8.04	29.36	0
3/28/21 0:15	4.625	134	7.015	7.811	29.36	0
3/28/21 0:30	4.397	138.9	6.987	7.827	29.36	0
3/28/21 0:45	4.682	143.5	6.91	7.776	29.36	0



Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/28/21 1:00	5.589	157.4	13.25	7.491	29.35	0
3/28/21 1:15	5.383	149.9	9.93	7.077	29.35	0
3/28/21 1:30	7.178	147	17.61	7.318	29.35	0
3/28/21 1:45	6.087	143.2	17.03	7.107	29.35	0
3/28/21 2:00	5.565	145.1	8.9	6.915	29.31	0
3/28/21 2:15	5.631	150.1	8.56	7.015	29.31	0
3/28/21 2:30	6.866	157.7	13.26	7.012	29.31	0
3/28/21 2:45	7.07	178.1	9.1	6.637	29.31	0
3/28/21 3:00	6.714	174.3	7.183	6.414	29.32	0
3/28/21 3:15	6.841	176.9	7.56	6.241	29.32	0
3/28/21 3:30	6.147	192.4	12.97	6.003	29.32	0
3/28/21 3:45	5.727	185.3	13.33	5.852	29.32	0
3/28/21 4:00	8.77	173.8	10.06	5.608	29.32	0
3/28/21 4:15	10.52	175.6	9.76	5.382	29.32	0
3/28/21 4:30	9.2	162.4	12.04	5.311	29.32	0
3/28/21 4:45	10.35	151.9	10.53	5.084	29.32	0
3/28/21 5:00	11.57	140.7	7.816	4.943	29.27	0
3/28/21 5:15	11.17	136.8	8.61	4.846	29.27	0
3/28/21 5:30	11.01	133.2	8.28	4.929	29.27	0
3/28/21 5:45	9.61	140.4	9.38	5.014	29.27	0
3/28/21 6:00	9.73	142.3	9.35	5.109	29.26	0
3/28/21 6:15	8.77	140.2	7.862	5.076	29.26	0
3/28/21 6:30	8.94	141.1	9.15	5.037	29.26	0
3/28/21 6:45	8.78	139.7	7.298	5.041	29.26	0
3/28/21 7:00	8.55	162.3	12.22	5.154	29.24	0
3/28/21 7:15	9.28	168.6	8.57	5.371	29.24	0
3/28/21 7:30	6.998	158.4	10.11	5.513	29.24	0
3/28/21 7:45	6.191	151.2	21.5	5.622	29.24	0
3/28/21 8:00	8.33	157.2	13.84	5.734	29.21	0
3/28/21 8:15	12.94	186.8	16.05	6.425	29.21	0
3/28/21 8:30	19.54	189.9	9.97	6.936	29.21	0
3/28/21 8:45	18.33	186.1	12.71	6.893	29.21	0
3/28/21 9:00	18.18	179.7	11.39	7.009	29.19	0
3/28/21 9:15	21.04	179	10.38	6.905	29.19	0
3/28/21 9:30	17.82	176.5	10	7.104	29.19	0
3/28/21 9:45	20.34	174.7	11.28	7.142	29.19	0
3/28/21 10:00	19.31	174.3	8.92	7.206	29.16	0
3/28/21 10:15	19.68	169.3	9.55	7.327	29.16	0
3/28/21 10:30	19.38	174.7	9.76	7.202	29.16	0.01
3/28/21 10:45	19.75	185.6	8.21	6.726	29.16	0.03
3/28/21 11:00	15.89	178.1	7.9	6.278	29.1	0.03
3/28/21 11:15	17.65	175.7	9.9	6.167	29.1	0.02
3/28/21 11:30	17.95	174.1	9.64	6.13	29.1	0.02
3/28/21 11:45	17.82	180.3	10.49	6.204	29.1	0.01
3/28/21 12:00	14.32	173	9.44	6.043	29.08	0.02
3/28/21 12:15	16.84	167.1	10.68	6.05	29.08	0.02
3/28/21 12:30	14.36	169.2	9.19	5.982	29.08	0.04
3/28/21 12:45	10.92	152.9	11.41	5.873	29.08	0.03
3/28/21 13:00	15.94	164.7	10.34	5.978	29.01	0.03
3/28/21 13:15	16.93	168.2	10.25	5.915	29.01	0.04
3/28/21 13:30	15.89	167.4	10.31	5.825	29.01	0.03
3/28/21 13:45	16.49	166.9	8.87	5.82	29.01	0.02
3/28/21 14:00	17.03	172	9.87	5.784	28.99	0.03
3/28/21 14:15	18	173.2	9.32	5.797	28.99	0.03
3/28/21 14:30	19.94	188.1	10.19	5.858	28.99	0.04
3/28/21 14:45	25.5	209.9	11.04	5.476	28.99	0.03
3/28/21 15:00	21.06	205.3	11.47	4.967	28.98	0.02
3/28/21 15:15	19.16	195.3	8.45	4.423	28.98	0
3/28/21 15:30	21.32	198.4	8.46	4.404	28.98	0
3/28/21 15:45	18.35	194.5	10.13	4.43	28.98	0
3/28/21 16:00	14.32	199.7	11.77	4.846	29.02	0
3/28/21 16:15	14.87	202.8	14	5.348	29.02	0
3/28/21 16:30	18.21	218.8	11.07	5.352	29.02	0
3/28/21 16:45	15.89	226.4	11.95	5.084	29.02	0
3/28/21 17:00	15.62	231	10.85	4.866	29.02	0
3/28/21 17:15	14.41	227.6	13.88	4.873	29.02	0
3/28/21 17:30	17.8	229.5	11.62	4.598	29.02	0
3/28/21 17:45	15.03	238.6	9.83	4.297	29.02	0
3/28/21 18:00	17.95	226.4	11	3.984	29.05	0
3/28/21 18:15	14.23	236.3	9.66	3.856	29.05	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/28/21 18:30	14.26	231.8	9.8	3.774	29.05	0
3/28/21 18:45	16.17	224.3	10.3	3.589	29.05	0
3/28/21 19:00	16.88	226	9.58	3.424	29.09	0
3/28/21 19:15	16.8	230.9	8.84	3.355	29.09	0
3/28/21 19:30	15.06	231.6	11.31	3.244	29.09	0
3/28/21 19:45	16.32	236.6	9.57	3.162	29.09	0
3/28/21 20:00	12.48	246.6	11.06	3.177	29.14	0
3/28/21 20:15	10.13	251.9	13.23	3.191	29.14	0
3/28/21 20:30	11.61	241.2	10.79	3.09	29.14	0
3/28/21 20:45	8.87	223.4	11.78	3.019	29.14	0
3/28/21 21:00	6.206	215.2	12.69	2.922	29.15	0
3/28/21 21:15	4.05	244.6	13.95	2.798	29.15	0
3/28/21 21:30	2.612	165.1	62.09	2.799	29.15	0
3/28/21 21:45	2.369	93.7	46.18	2.683	29.15	0
3/28/21 22:00	2.369	146.9	26.91	2.814	29.19	0
3/28/21 22:15	5.208	177.5	15.09	2.909	29.19	0
3/28/21 22:30	6.332	174.6	10	2.836	29.19	0
3/28/21 22:45	5.082	165.9	14.45	2.684	29.19	0
3/28/21 23:00	2.65	148.3	24.01	2.242	29.23	0
3/28/21 23:15	2.923	114.6	13.33	2.357	29.23	0
3/28/21 23:30	3.708	133.3	11.53	2.144	29.23	0
3/28/21 23:45	5.324	158.8	21.11	2.147	29.23	0
3/29/21 0:00	3.623	163.1	20.67	2.363	29.28	0
3/29/21 0:15	2.48	122.2	25.42	2.28	29.28	0
3/29/21 0:30	3.102	121.7	19.96	2.164	29.28	0
3/29/21 0:45	3.182	128.8	34.97	2.007	29.28	0
3/29/21 1:00	3.704	110.3	8.68	1.879	29.31	0
3/29/21 1:15	5.279	120	8.24	1.771	29.31	0
3/29/21 1:30	4.682	135.8	8.47	1.649	29.31	0
3/29/21 1:45	5.2	126.8	6.927	1.607	29.31	0
3/29/21 2:00	6.461	134.1	9.07	1.686	29.36	0
3/29/21 2:15	5.754	130.5	10.37	1.713	29.36	0
3/29/21 2:30	5.707	131	7.816	1.577	29.36	0
3/29/21 2:45	5.552	121	7.596	1.516	29.36	0
3/29/21 3:00	5.2	124	8.88	1.341	29.38	0
3/29/21 3:15	5.436	128.4	14.48	1.394	29.38	0
3/29/21 3:30	5.844	125.3	13.58	1.506	29.38	0
3/29/21 3:45	5.59	114	10.34	1.529	29.38	0
3/29/21 4:00	5.214	120.8	8.51	1.445	29.39	0
3/29/21 4:15	5.692	115.8	11.51	1.412	29.39	0
3/29/21 4:30	5.395	118.5	10.4	1.376	29.39	0
3/29/21 4:45	5.988	116.1	10.3	1.533	29.39	0
3/29/21 5:00	4.911	117.5	14.45	1.565	29.43	0
3/29/21 5:15	4.153	130.2	10.3	1.758	29.43	0
3/29/21 5:30	4.664	132.5	11.47	1.615	29.43	0
3/29/21 5:45	3.765	108.4	10.96	1.416	29.43	0
3/29/21 6:00	4.985	124.1	10.31	1.48	29.45	0
3/29/21 6:15	3.806	125.8	34.5	1.375	29.45	0
3/29/21 6:30	2.211	41.95	21.58	1.07	29.45	0
3/29/21 6:45	3.155	105.5	8.73	1.536	29.45	0
3/29/21 7:00	4.66	111.5	6.694	1.559	29.45	0
3/29/21 7:15	3.616	118.5	10.81	2.527	29.45	0
3/29/21 7:30	4.009	120.7	16.66	3.07	29.45	0
3/29/21 7:45	3.738	96.4	29.64	3.547	29.45	0
3/29/21 8:00	4.858	98.4	12.74	3.428	29.48	0
3/29/21 8:15	4.826	111.7	15.94	3.904	29.48	0
3/29/21 8:30	4.44	117.6	20.12	4.292	29.48	0
3/29/21 8:45	3.948	83.3	23.91	4.511	29.48	0
3/29/21 9:00	3.114	120.2	32.56	5.297	29.5	0
3/29/21 9:15	5.295	163.2	26.34	4.947	29.5	0
3/29/21 9:30	5.969	162.2	18.08	5.447	29.5	0
3/29/21 9:45	2.973	204	32.26	5.771	29.5	0
3/29/21 10:00	3.692	267.9	28.94	5.722	29.51	0
3/29/21 10:15	4.033	325.9	21.65	6.101	29.51	0
3/29/21 10:30	4.828	40.2	24.83	5.845	29.51	0
3/29/21 10:45	3.979	1.64	33.04	6.575	29.51	0
3/29/21 11:00	6.387	350.6	26.35	6.151	29.51	0
3/29/21 11:15	5.68	14.77	24.65	6.601	29.51	0
3/29/21 11:30	5.649	330.6	14.99	6.497	29.51	0
3/29/21 11:45	5.052	345	27.97	7.093	29.51	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/29/21 12:00	4.998	326.9	20.88	6.405	29.51	0
3/29/21 12:15	3.206	302.3	25.22	7.016	29.51	0
3/29/21 12:30	6.796	357.2	15.46	7.016	29.51	0
3/29/21 12:45	7.519	359.4	12.78	6.912	29.51	0
3/29/21 13:00	6.465	352.7	22.98	7.608	29.5	0
3/29/21 13:15	9.06	337.1	12.67	7.74	29.5	0
3/29/21 13:30	10.99	342.2	17.28	8.03	29.5	0
3/29/21 13:45	7.971	349.5	39.02	8.33	29.5	0
3/29/21 14:00	8.61	6.112	18.94	7.27	29.49	0
3/29/21 14:15	9.38	343.4	24.39	8.11	29.49	0
3/29/21 14:30	9.89	317.7	21.54	7.832	29.49	0
3/29/21 14:45	8.7	297.9	24.16	8.41	29.49	0
3/29/21 15:00	10.82	29.18	14.3	7.516	29.51	0
3/29/21 15:15	9.72	29.17	11.17	6.923	29.51	0
3/29/21 15:30	9.67	29.24	9.58	6.946	29.51	0
3/29/21 15:45	7.799	13.5	15.39	7.539	29.51	0
3/29/21 16:00	10.06	341	19.41	8.12	29.51	0
3/29/21 16:15	9.36	315.7	18.05	8.26	29.51	0
3/29/21 16:30	9.86	312.2	11.65	7.941	29.51	0
3/29/21 16:45	7.25	324	16.53	8.13	29.51	0
3/29/21 17:00	8.37	344.3	28.6	7.677	29.49	0
3/29/21 17:15	6.73	21.65	17.34	7.353	29.49	0
3/29/21 17:30	5.784	357.7	14.79	7.552	29.49	0
3/29/21 17:45	6.565	5.893	13.14	7.389	29.49	0
3/29/21 18:00	7.124	15.05	7.897	6.733	29.49	0
3/29/21 18:15	6.305	16.06	9.97	6.433	29.49	0
3/29/21 18:30	4.308	15.44	12.31	6.067	29.49	0
3/29/21 18:45	3.751	15.16	9.04	5.8	29.49	0
3/29/21 19:00	1.689	8.46	17.29	5.658	29.52	0
3/29/21 19:15	1.623	16.68	7.939	5.372	29.52	0
3/29/21 19:30	1.76	27.41	8.1	5.153	29.52	0
3/29/21 19:45	1.339	28.84	5.261	5.056	29.52	0
3/29/21 20:00	1.433	46.62	7.855	4.754	29.52	0
3/29/21 20:15	1.951	48.6	9.73	4.316	29.52	0
3/29/21 20:30	1.219	22.38	10.67	4.248	29.52	0
3/29/21 20:45	0.233	9.96	1.818	4.258	29.52	0
3/29/21 21:00	0.052	3.896	1.82	4.412	29.53	0
3/29/21 21:15	0.138	19.96	26.78	4.44	29.53	0
3/29/21 21:30	1.236	82.5	24.09	3.59	29.53	0
3/29/21 21:45	0.246	48.37	2.811	3.738	29.53	0
3/29/21 22:00	0.978	44.57	3.76	3.098	29.53	0
3/29/21 22:15	0.172	40.69	0.422	3.276	29.53	0
3/29/21 22:30	0.547	50.04	6.315	3.652	29.53	0
3/29/21 22:45	0.138	51.52	0.846	3.013	29.53	0
3/29/21 23:00	0.296	60.5	10.88	3.378	29.54	0
3/29/21 23:15	2.171	148.1	19.59	2.903	29.54	0
3/29/21 23:30	2.851	157.1	5.673	3.041	29.54	0
3/29/21 23:45	2.524	140	3.639	2.705	29.54	0
3/30/21 0:00	2.485	130.5	7.317	2.194	29.53	0
3/30/21 0:15	4.094	144.6	5.141	2.182	29.53	0
3/30/21 0:30	3.989	158.2	12.51	1.833	29.53	0
3/30/21 0:45	5.421	194.9	8	0.74	29.53	0
3/30/21 1:00	6.023	181.3	16.41	0.756	29.54	0
3/30/21 1:15	3.845	143.9	7.354	1.414	29.54	0
3/30/21 1:30	3.677	139.3	7.927	1.66	29.54	0
3/30/21 1:45	3.678	127.5	12.15	1.627	29.54	0
3/30/21 2:00	4.917	150.7	10.08	1.665	29.57	0
3/30/21 2:15	4.649	161.8	12.37	1.513	29.57	0
3/30/21 2:30	5.084	184.4	8.01	0.563	29.57	0
3/30/21 2:45	5.986	177.8	9.64	0.527	29.57	0
3/30/21 3:00	5.213	151.6	14.45	1.306	29.56	0
3/30/21 3:15	3.474	121.9	7.302	1.305	29.56	0
3/30/21 3:30	4.192	146.4	18.12	1.172	29.56	0
3/30/21 3:45	4.865	157.3	9.08	1.48	29.56	0
3/30/21 4:00	4.932	171.3	11.97	1.052	29.56	0
3/30/21 4:15	5.791	186.5	9.85	0.427	29.56	0
3/30/21 4:30	6.108	173.5	13.38	0.407	29.56	0
3/30/21 4:45	4.476	149	9.71	0.794	29.56	0
3/30/21 5:00	3.183	128.3	9.51	0.468	29.59	0
3/30/21 5:15	4.93	131.1	4.429	0.77	29.59	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/30/21 5:30	4.411	134.3	5.823	0.978	29.59	0
3/30/21 5:45	5.316	158.6	12.36	1.123	29.59	0
3/30/21 6:00	5.306	160.4	13.48	1.232	29.6	0
3/30/21 6:15	3.475	139.2	13.33	1.439	29.6	0
3/30/21 6:30	3.318	115.5	5.3	1.613	29.6	0
3/30/21 6:45	3.555	117.7	5.682	1.562	29.6	0
3/30/21 7:00	3.764	125.9	5.414	2.113	29.6	0
3/30/21 7:15	3.881	109.7	7.414	2.403	29.6	0
3/30/21 7:30	3.154	104.3	13.18	2.434	29.6	0
3/30/21 7:45	3.611	116.2	8.9	3.2	29.6	0
3/30/21 8:00	3.007	100.8	16.47	3.798	29.59	0
3/30/21 8:15	2.998	111.2	9.95	4.594	29.59	0
3/30/21 8:30	2.247	85.5	31.16	5.113	29.59	0
3/30/21 8:45	1.501	137.6	65.49	5.781	29.59	0
3/30/21 9:00	1.961	221.1	33.39	5.78	29.62	0
3/30/21 9:15	4.258	233.1	17.8	5.483	29.62	0
3/30/21 9:30	3.787	230.4	21.77	5.978	29.62	0
3/30/21 9:45	2.213	226.4	52.58	6.621	29.62	0
3/30/21 10:00	4.35	267.4	30.41	6.711	29.62	0
3/30/21 10:15	3.347	271	58.02	7.178	29.62	0
3/30/21 10:30	3.624	259.5	28.16	7.385	29.62	0
3/30/21 10:45	4.088	243.8	22.3	7.598	29.62	0
3/30/21 11:00	4.419	283.3	20.34	7.946	29.63	0
3/30/21 11:15	2.613	235.1	34.01	7.967	29.63	0
3/30/21 11:30	4.724	304.2	76.91	8.07	29.63	0
3/30/21 11:45	4.373	351.6	16.8	8.14	29.63	0
3/30/21 12:00	3.095	18.73	31.85	8.68	29.62	0
3/30/21 12:15	2.099	302.5	35.37	9.39	29.62	0
3/30/21 12:30	4.089	317.9	21.59	8.79	29.62	0
3/30/21 12:45	4.106	291.2	31.84	9.71	29.62	0
3/30/21 13:00	6.189	310.1	35.47	9.82	29.61	0
3/30/21 13:15	6.77	305.1	24.28	9.49	29.61	0
3/30/21 13:30	4.494	292	45.67	10.13	29.61	0
3/30/21 13:45	7.87	297.2	18.79	10.13	29.61	0
3/30/21 14:00	5.735	331.1	29.21	10.45	29.61	0
3/30/21 14:15	4.988	31.02	41.47	10.14	29.61	0
3/30/21 14:30	4.45	14.94	24.47	9.52	29.61	0
3/30/21 14:45	4.493	350.9	21.16	9.82	29.61	0
3/30/21 15:00	4.502	316.3	41.63	10.54	29.61	0
3/30/21 15:15	8.17	23.44	13.43	10.02	29.61	0
3/30/21 15:30	7.456	14.48	12.16	9.47	29.61	0
3/30/21 15:45	5.765	339	32.9	10.21	29.61	0
3/30/21 16:00	3.836	282.1	23.59	10.69	29.61	0
3/30/21 16:15	2.731	272.7	40.9	10.85	29.61	0
3/30/21 16:30	2.633	221.7	48.88	10.77	29.61	0
3/30/21 16:45	3.341	315.5	34.94	10.94	29.61	0
3/30/21 17:00	5.147	22.9	16.49	10.14	29.62	0
3/30/21 17:15	5.123	16.94	14.46	9.94	29.62	0
3/30/21 17:30	5.814	13.91	8.34	9.74	29.62	0
3/30/21 17:45	4.862	7.174	14.29	9.56	29.62	0
3/30/21 18:00	3.727	341.9	15.13	9.72	29.6	0
3/30/21 18:15	4.326	330.8	11.29	9.49	29.6	0
3/30/21 18:30	5.025	1.003	9.86	8.84	29.6	0
3/30/21 18:45	5.378	354.7	11.9	8.52	29.6	0
3/30/21 19:00	3.524	359.2	12.79	8.1	29.62	0
3/30/21 19:15	3.771	341.5	7.395	8.01	29.62	0
3/30/21 19:30	2.263	13.98	18.49	7.573	29.62	0
3/30/21 19:45	1.519	14.47	9.15	7.17	29.62	0
3/30/21 20:00	1.811	15.23	6.708	7.07	29.6	0
3/30/21 20:15	2.487	15.32	8.57	7.039	29.6	0
3/30/21 20:30	3.534	17.89	10.33	6.88	29.6	0
3/30/21 20:45	3.948	34.65	6.551	6.632	29.6	0
3/30/21 21:00	2.887	33.6	5.938	6.451	29.63	0
3/30/21 21:15	2.103	38.04	13.17	6.077	29.63	0
3/30/21 21:30	2.012	61.42	11.37	6.066	29.63	0
3/30/21 21:45	1.62	104.5	12.71	5.658	29.63	0
3/30/21 22:00	0.836	67.13	9.57	6.164	29.63	0
3/30/21 22:15	2.356	48.79	11.21	5.066	29.63	0
3/30/21 22:30	3.037	49.64	10.75	5.003	29.63	0
3/30/21 22:45	2.541	82.1	20.29	4.266	29.63	0

Meteorological Data

	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
Date/Time	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/30/21 23:00	2.801	149.4	16.43	4.888	29.63	0
3/30/21 23:15	1.416	103.6	35.16	4.95	29.63	0
3/30/21 23:30	2.764	147.8	9.84	4.576	29.63	0
3/30/21 23:45	2.517	127.6	7.757	4.544	29.63	0
3/31/21 0:00	2.48	102.5	7.597	4.307	29.62	0
3/31/21 0:15	2.198	87.8	10.36	4.174	29.62	0
3/31/21 0:30	2.628	59.32	5.201	4.005	29.62	0
3/31/21 0:45	2.971	51.37	5.798	3.979	29.62	0
3/31/21 1:00	2.89	60.23	7.78	3.735	29.62	0
3/31/21 1:15	3.405	52.06	10.14	3.384	29.62	0
3/31/21 1:30	4.493	50.88	9.27	2.836	29.62	0
3/31/21 1:45	3.118	51.17	19.2	2.327	29.62	0
3/31/21 2:00	2.348	86.9	11.07	2.602	29.6	0
3/31/21 2:15	0.559	82.2	15.16	2.685	29.6	0
3/31/21 2:30	1.226	26.46	8.41	3.135	29.6	0
3/31/21 2:45	1.153	36.32	8.75	3.405	29.6	0
3/31/21 3:00	1.409	0.724	11.14	3.362	29.58	0
3/31/21 3:15	0.502	24.07	6.242	2.655	29.58	0
3/31/21 3:30	1.748	72.28	29.83	2.151	29.58	0
3/31/21 3:45	0.306	244.2	34.26	2.54	29.58	0
3/31/21 4:00	0.267	119.4	0.421	3.056	29.56	0
3/31/21 4:15	1.002	12.38	13.33	2.302	29.56	0
3/31/21 4:30	1.818	34.52	4.977	2.082	29.56	0
3/31/21 4:45	2.736	27.3	5.275	1.767	29.56	0
3/31/21 5:00	2.56	22.25	10.01	1.612	29.56	0
3/31/21 5:15	2.61	24.53	11.18	0.832	29.56	0
3/31/21 5:30	4.019	16.92	7.196	0.437	29.56	0
3/31/21 5:45	4.868	8.79	9.12	0.544	29.56	0
3/31/21 6:00	4.116	12.34	8.4	0.65	29.55	0
3/31/21 6:15	3.796	21.86	3.978	0.627	29.55	0
3/31/21 6:30	3.127	21.66	10.82	0.595	29.55	0
3/31/21 6:45	2.576	14.45	11.38	1.095	29.55	0
3/31/21 7:00	2.02	0.105	10.58	1.41	29.53	0
3/31/21 7:15	1.176	4.915	5.197	1.927	29.53	0
3/31/21 7:30	2.001	0.527	9.86	2.611	29.53	0
3/31/21 7:45	1.226	41.35	13.37	3.619	29.53	0
3/31/21 8:00	0.995	25.31	13.03	4.62	29.52	0
3/31/21 8:15	1.949	17.93	17.64	4.687	29.52	0
3/31/21 8:30	1.786	325.5	32.55	5.57	29.52	0
3/31/21 8:45	2.446	313.4	48.28	6.177	29.52	0
3/31/21 9:00	1.553	235	22.84	6.837	29.51	0
3/31/21 9:15	2.832	272.5	26.03	7.321	29.51	0
3/31/21 9:30	1.871	15.07	37.26	8.44	29.51	0
3/31/21 9:45	1.668	38.5	38.22	9.04	29.51	0
3/31/21 10:00	1.36	26.53	57.19	9.74	29.48	0
3/31/21 10:15	1.888	30.53	23.25	9.92	29.48	0
3/31/21 10:30	4.271	23.1	24.22	10.47	29.48	0
3/31/21 10:45	7.223	26.11	10.91	10.45	29.48	0
3/31/21 11:00	6.65	27.35	10.61	11	29.45	0
3/31/21 11:15	5.892	21.95	14.21	11.35	29.45	0
3/31/21 11:30	6.664	22.65	9.33	11.83	29.45	0
3/31/21 11:45	4.72	6.803	22.44	12.42	29.45	0
3/31/21 12:00	3.798	36.32	30.12	12.96	29.44	0
3/31/21 12:15	2.723	280.9	68.78	13.63	29.44	0
3/31/21 12:30	3.188	298.5	28.17	14.43	29.44	0
3/31/21 12:45	3.36	357.9	30.14	14.52	29.44	0
3/31/21 13:00	3.902	29.53	18.21	14.76	29.4	0
3/31/21 13:15	2.407	339.8	59.02	15.68	29.4	0
3/31/21 13:30	3.956	276.7	27.75	15.99	29.4	0
3/31/21 13:45	7.081	267.6	11.79	15.83	29.4	0
3/31/21 14:00	7.989	268.7	8.58	16.04	29.36	0
3/31/21 14:15	6.459	268.5	12.66	16.15	29.36	0
3/31/21 14:30	6.359	266.9	10.91	16.3	29.36	0
3/31/21 14:45	6.476	281.7	16.13	16.77	29.36	0
3/31/21 15:00	6.745	265.8	10.32	16.79	29.33	0
3/31/21 15:15	6.358	275.4	14.05	17.02	29.33	0
3/31/21 15:30	5.665	275.4	14	17.31	29.33	0
3/31/21 15:45	5.787	275.3	11.17	17.55	29.33	0
3/31/21 16:00	6.455	269.8	12.87	16.97	29.31	0
3/31/21 16:15	5.88	274.4	7.894	16.75	29.31	0

Meteorological Data

Date/Time	Wind Speed (Average)	Wind Direction	Sigma Theta	Temperature (Average)	Barometric Pressure	Precipitation
	Miles per Hour	Degrees	Degrees	° C	inches-Hg	inches
3/31/21 16:30	5.306	269	12.86	17.05	29.31	0
3/31/21 16:45	5.273	263.7	10.74	17.07	29.31	0
3/31/21 17:00	3.656	274.3	27.8	17.15	29.25	0
3/31/21 17:15	5.399	269.7	8.34	16.78	29.25	0
3/31/21 17:30	4.85	262.8	9.22	15.83	29.25	0
3/31/21 17:45	4.668	267.7	8.65	15.68	29.25	0
3/31/21 18:00	2.99	265.1	22.67	15.49	29.24	0
3/31/21 18:15	4.847	260.6	7.553	14.48	29.24	0
3/31/21 18:30	3.296	276.8	7.125	13.77	29.24	0
3/31/21 18:45	1.146	274.6	37.83	13.56	29.24	0
3/31/21 19:00	3.406	189.3	18.06	12.93	29.24	0
3/31/21 19:15	3.082	234.1	14.2	12.51	29.24	0
3/31/21 19:30	3.579	269.4	10.7	11.87	29.24	0
3/31/21 19:45	0.818	319.2	40.19	11.66	29.24	0
3/31/21 20:00	3.088	49.93	14.03	11.46	29.21	0
3/31/21 20:15	5.372	27.01	8.79	10.6	29.21	0
3/31/21 20:30	4.294	37.43	20.55	10.41	29.21	0
3/31/21 20:45	3.288	15.99	18.53	10.63	29.21	0
3/31/21 21:00	2.774	29.7	18.47	10.33	29.21	0
3/31/21 21:15	3.215	30.54	14.61	10.14	29.21	0
3/31/21 21:30	2.936	27.3	9.03	10	29.21	0
3/31/21 21:45	3.243	8.13	11.95	10.17	29.21	0
3/31/21 22:00	3.267	21.17	13.87	10.1	29.19	0
3/31/21 22:15	3.073	19.5	14.22	9.69	29.19	0
3/31/21 22:30	2.066	19.39	9.85	9.14	29.19	0
3/31/21 22:45	1.295	20.56	16.71	9.02	29.19	0
3/31/21 23:00	2.773	20.15	6.593	8.82	29.17	0
3/31/21 23:15	1.833	11	16.77	9.09	29.17	0
3/31/21 23:30	1.532	167.2	67.85	9.37	29.17	0
3/31/21 23:45	1.37	42.88	9.89	8.63	29.17	0
4/1/21 0:00	1.104	49.92	14.69	8.28	29.16	0