

CEDAR HILLS REGIONAL LANDFILL QUARTERLY ENVIRONMENTAL MONITORING REPORT

Second Quarter 2018



King County

Department of
Natural Resources and Parks
Solid Waste Division

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

August 2018

www.kingcounty.gov/solidwaste



CHECKLIST FOR GROUNDWATER REPORTING
Municipal Solid Waste Landfills
WAC 173-351-415

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

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

1 st _____ 2 nd _____ ✓ 3 rd _____ 4 th _____ YEAR <u>2018</u>	Reference (section, subsection)	Included in this report	Location – page # or appendix #
Quarterly Groundwater Reports: 173-351-415 (2) plus the referenced section			
Statistical calculations and summaries			
Descriptive statistics	420, (1)	<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"/>	25
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"/>	28
Explanation of greater than 5% (or 10%) difference if needed	430, (5a)	<input type="checkbox"/>	
Trilinear diagrams	430, (5b)	<input checked="" type="checkbox"/>	35, 36
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"/>	
Annual Groundwater Reports: 173-351-415 (1) YEAR			
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"/>	
For Quarterly and Annual Reports			
Stamped by a licensed professional	RCW 18.220	<input checked="" type="checkbox"/>	

Kris McArthur
 Signature of Report Author

August 31, 2018
 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.

CERTIFICATION

Quarterly Report Groundwater Evaluation Report Certification

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

Name: Laura Belt, P.E.	Title: Supervising Engineer, Facility Engineering and Science Unit	Date: August 31, 2018
Mailing Address: Solid Waste Division King County Department of Natural Resources & Parks 201 South Jackson Street, Suite 701 Seattle, WA 98104-3855		Telephone Number: 206-477-5215
Signature: 		



EXPIRES 8.10.2019

**KING COUNTY SOLID WASTE
CEDAR HILLS REGIONAL LANDFILL
QUARTERLY ENVIRONMENTAL MONITORING REPORT**

CONTENTS

CHECKLIST FOR GROUNDWATER REPORTING	iii
CERTIFICATION	v

SUMMARY OF QUARTERLY ENVIRONMENTAL MONITORING

RESULTS AND ANALYSIS	1
GROUNDWATER	1
STORM WATER	6
LANDFILL GAS	7
ANALYTICAL METHODS	8

FIGURES

Fig 1	GROUNDWATER MONITORING WELL LOCATIONS	13
Fig 2	STORM WATER MONITORING LOCATIONS	15
Fig 3	LEACHATE MONITORING LOCATIONS	17
Fig 4	LANDFILL GAS MIGRATION MONITORING PROBE LOCATIONS	19
Fig 5	TRILINEAR DIAGRAM UPGRADIENT AND CROSSGRADIENT REGIONAL WELLS	33
Fig 6	TRILINEAR DIAGRAM DOWNGRADIENT REGIONAL WELLS	34
Fig 7	TRILINEAR DIAGRAM EAST PERCHED ZONE WELLS	41
Fig 8	TRILINEAR DIAGRAM SSW AREA PERCHED ZONES WELLS	42

TABLES

Tab 1	SUMMARY OF CEDAR HILLS REGIONAL LANDFILL SITE WELLS	21
Tab 2	GROUNDWATER MONITORING ACTIVITIES	23
Tab 3	REGIONAL AQUIFER GROUNDWATER QUALITY STANDARD EXCEEDANCES	25
Tab 4	REGIONAL AQUIFER ION BALANCE CALCULATIONS	27
Tab 5	REGIONAL AQUIFER QUARTERLY PREDICTION LIMIT VALUES AND RESULTS	35
Tab 6	REGIONAL AQUIFER VOLATILE ORGANIC COMPOUND DETECTIONS	37
Tab 7	PERCHED ZONES GROUNDWATER QUALITY STANDARD EXCEEDANCES	38
Tab 8	PERCHED ZONES ION BALANCE CALCULATIONS	39
Tab 9	PERCHED ZONES PREDICTION LIMIT VALUES AND RESULTS	43
Tab 10	PERCHED ZONES VOLATILE ORGANIC COMPOUND DETECTIONS	45
Tab 11	SURFACE WATER MONITORING ACTIVITIES	46
Tab 12	SURFACE WATER QUALITY CRITERIA EXCEEDANCES	47
Tab 13	VOLATILE ORGANIC COMPOUND DETECTIONS IN BLANKS	48
Tab 14	GROUNDWATER QUALITY STANDARDS	49
Tab 15	STORMWATER PERMIT BENCHMARKS and EFFLUENT LIMITS	51
Tab 16	UNUSABLE DATA	52

APPENDICES

POTENTIOMETRIC SURFACE MAPS & AQUIFER FLOW CALCULATIONS	App A
FIELD DATA AND ANALYTICAL TEST RESULTS	App B
GROUNDWATER	
STORM WATER	
LEACHATE	
LANDFILL GAS MONITORING	
ANALYTICAL DATA QUALIFIERS	
METEROLOGICAL DATA	App C
AREA 5 TOP DECK MONITORING REPORT	App D

Cedar Hills Regional Landfill Summary of Quarterly Environmental Monitoring Second Quarter of 2018

This summary contains a discussion of 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 monitoring results and how they compare to previously collected data at the site.

1.1 Groundwater

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

1.1.1 Regional Aquifer

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

Regional aquifer analysis results for downgradient and crossgradient wells for this quarter are generally consistent with past results. Several upgradient wells continue to show elevated concentrations of several parameters indicating changing water quality upgradient of CHRLF.

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

Groundwater samples were analyzed for both dissolved and total metal fractions per WAC 173-351-430(2)(b)(ii) as revised; only total metals results were compared to the

water quality standards listed in WAC 173-351-990 Appendix I.

Implementation of the new SAP resulted in a reduction in the total number of wells that are monitored, and designating the remaining wells to be monitored as either Quarterly (i.e. every quarter of the year), or Semi-Annual (i.e. the second and fourth quarters of the year). This quarter, wells marked as Quarterly and Semi-Annual in Table 1 were both monitored.

During the second quarter of 2017, a transition to the Lower Limit of Quantitation (LLOQ) methodology for analytical testing occurred and resulted in revised reporting limits and new detections for a number of analytes. Further information on the transition to the LLOQ is available in Section 2.4.1: Laboratory Data Quality - LLOQ. Results can be viewed in Appendix B: Field and Analytical Test Results, and a discussion of exceedances is below.

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

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-66, MW-81, MW-83, MW-84, MW-93, MW-94	MW-68, MW-69, MW-72, MW-74, MW-75, MW-80, MW-85, MW-87
Semi-Annually Sampled Wells	MW-21, MW-24, MW-56, MW-64, MW-65, MW-73, MW-76, MW-82, MW-95	MW-67, MW-86, MW-88, MW-89, MW-100

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

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

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

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

Exceedances of Secondary Ground Water Quality Criteria were observed for pH (field) as follows:

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-59, MW-66, MW-94	<i>None.</i>
Semi-Annually Sampled Wells	MW-24, MW-73, MW-76	<i>None.</i>

Exceedances of Primary Ground Water Quality Criteria were observed for trichloroethene and vinyl chloride as follows:

	Upgradient and Crossgradient (Semi- Annually Sampled Wells)
Trichloroethene	MW-76, MW-82
Vinyl chloride	MW-65

Primary and secondary exceedances of regulatory standards are tabulated and presented in Table 3. This result set contains an increased number of exceedances (both primary and secondary criteria) due to the switch to LLOQ methodology (as explained in Section 2.4.1) versus previous years' analyses.

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

Intra-well upper prediction limits (UPLs) are calculated annually and have been updated with data collected through the end of 2017. Calculated prediction limits and analytical results for Appendix I parameters are presented in Table 5 and summarized below.

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

	Upgradient and Crossgradient	Downgradient
Quarterly Sampled Wells	MW-94 (Nitrate as N)	--
Semi-Annually Sampled Wells	MW-64 (Total Barium & Total Cobalt)	MW-86 (Total Arsenic & Total Barium) MW-88 (Total Vanadium)

These results will be entered into the re-testing protocol described in the SAP.

Volatile Organic Compound (VOC) detections in regional aquifer wells this quarter are presented in Table 6. There have been regularly occurring detections of chlorinated VOCs and their breakdown products associated with the upgradient Queen City Farms

(QCF) site, including the following:

- Tetrachloroethene was detected in MW-76, a semi-annually monitored well;
- Trichloroethene (TCE) was detected in quarterly monitored wells MW-83 and MW-94, and semi-annually monitored wells MW-76 and MW-82;
- *Cis*-1,2-dichloroethene was detected in quarterly monitored well MW-59, and semi-annually monitored wells MW-56 and MW-76;
- Vinyl chloride was detected in MW-65, a semi-annually monitored well.

These upgradient well detections are consistent with past data and continuing migration from QCF.

Carbon disulfide was detected in upgradient quarterly monitored well MW-59, and semi-annually monitored wells MW-21, MW-24, and MW-95. Sample results from MW-24, MW-59, and MW-95 were all qualified JT, indicating that the value reported was greater than the LLOQ for carbon disulfide but less than the reporting detection limit and is an estimated value. The switch to LLOQ methodology lowered the Method Detection Limit (MDL) from 0.2 µg/L to 0.1 µg/L, resulting in these detections being reported below the previous MDL. The result for MW-21 was not qualified and has been slightly elevated over the previous MDL of 0.2 µg/L the past two sampling events. Wells MW-21 and MW-24 do have previous historical detections of carbon disulfide (dating back to 2000), while for MW-59 and MW-95, detections have only occurred since the switch to LLOQ methodology. Historically, this compound has been an infrequently detected in the CHRLF monitoring program. Review and analysis of field and laboratory data will be on-going to assess possible contamination sources.

1.1.2 Perched Zones

The East Main Hill perched zones (EPZ) are localized areas of shallow subsurface saturation that appear laterally and vertically discontinuous, predominantly within till and lacustrine silts.

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

Groundwater elevations measured during the quarter in the perched zones are within historical ranges. Samples were collected from three EPZ monitoring wells (MW-30A, MW-47, and MW-62) and surface water station SW-E1, which is believed to receive discharge from the EPZ. MW-101 near the former SSWA was also sampled. Groundwater quality data from perched zones wells collected during the first quarter of 2018 are consistent with previous samples.

MW-101, located in the SSWA perched zone, was analyzed for the extended analyte list in WAC 173-351-990 Appendix III per the SAP. Three of the additional analytes were detected; however, they were either DJ or JT qualified, due to the results being estimated.

EW-25 was decommissioned this quarter (as described in the *Cedar Hills Regional Landfill – EPZ Extraction Well Decommissioning Technical Memorandum*) as a part of ongoing interim actions per the *East Perched Zones Remedial Investigation and Feasibility Study Report* (EPZ RI/FS), and will no longer be a part of the monitoring network. Six (6) additional replacement monitoring wells have been installed in the EPZ (MW-107 to MW-112) as described in the *EPZ Phase I Interim Actions - Infrastructure Upgrades Technical Memorandum – Agency Draft*. These wells will be incorporated into the monitoring program and the SAP updated accordingly.

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, MW-105 was monitored for specific conductance per the SAP and was found to be consistent with previous characterizations (140 $\mu\text{mhos/cm}$).

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

Trilinear plots for perched zones samples are all within the calcium-magnesium-bicarbonate hydrochemical facie, as in past samples (Table 8 and Figures 7 and 8). Cation/Anion balances indicate no potential analytical error (greater than 10% ion imbalance) in any perched wells.

As with the regional data, perched zone prediction limits are derived from cumulative data through the end of 2017. Calculated prediction limits for Appendix I parameters along with analytical results are presented in Table 9.

MW-30A had a nitrate UPL exceedance occur this quarter. A historical review of nitrate concentrations at MW-30A show similar results. Also, MW-47 had a UPL exceedance for 1,2-dichloroethane (1,2-DCA). The EPZ is currently undergoing interim actions per the EPZ RI/FS, so neither MW-30A or MW-47 will enter into a retesting protocol at this time for nitrate or 1,2-DCA, respectively. Future results will continue to be evaluated per the SAP.

VOC detections in the perched zones are presented in Table 10. Multiple detections that are listed in the table are due to switching to LLOQ methodology, which lowered the detection limit for a variety of VOCs. These data points are qualified 'JT' in Table 10.

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

1.2 Stormwater

1.2.1 CHRLF ISGP

CHRLF is covered 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.

As per the ISGP for CHRLF, turbidity was not measured during the second quarter of 2018 at stations SW-SL3 and SW-N4 as eight (8) quarters of measurements below the benchmark had previously occurred, allowing for measurement of the parameter to be suspended (i.e. Consistent Attainment).

ISGP required monitoring activities for the second quarter of 2018 are listed in Table 11. Samples were obtained from all the designated compliance stations (SW-GS1, SW-SL3 and SW-N4). ISGP Discharge Monitoring Reports (DMRs) are included in Appendix B.

1.2.2 CHRLF CSGP

Starting in 2017, KCSWD also had a Construction Stormwater General Permit (CSGP) - permit number WAR305034 with Ecology - for the Area 8 construction activities. A separate Stormwater Pollution Prevention Plan (SWPPP) was created for this CSGP permit. This permit is still active and will be in effect through the duration of the construction project.

Four (4) discharge locations are monitored weekly for compliance with the CSGP in accordance with the SWPPP by the contractor. The construction contractor also inspects the required construction site Best Management Practices (BMPs) and the CSGP monitoring locations daily during construction activities. The four monitoring locations are 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).

Due to exceedances of the turbidity benchmark in 2017 a Chitosan Enhanced Sand Filtration system had been installed to pretreat the construction stormwater. As required per the regulations, authorization was obtained from Ecology prior to installation and operation. This system was removed at the end of May 2018 due to decreased rainfall.

Turbidity was exceeded multiple times during the second quarter of 2018 at stations C-1 and C-4 (see Table 12). 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 are monitored for landfill gas (LFG) migration around the perimeter of the landfill. Probes are monitored by the LFG crew monthly to monitor system performance and quarterly for compliance. The location map for the compliance probes can be viewed in Figure 4 and in Appendix B. The monitoring results for the compliance probes during the second quarter of 2018 in Appendix B.

No compliance probe methane detections occurred during the second quarter of 2018.

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 second quarter of 2018 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 methane was detected this quarter. The location map and monitoring results for facility gas monitoring during the second quarter of 2018 are presented in Appendix B.

1.3.4 Supplemental Migration Monitoring

Detections above the regulatory limit in LFG probe GP-33C in September of 2011 prompted actions including: monitoring frequency increases; operational adjustments to increase LFG recovery rates; off-site structure monitoring; and, preparation of a response plan. Operational review resulted in modifications to enhance extraction from unlined areas and under liner spaces that could potentially act as gas conveyance pathways. The plan resulted in installation of thirteen (13) borings targeting the potential zone of LFG migration in the native sediments. Eight (8) borings serve as LFG extraction wells and five (5) borings as monitoring probes. The extraction wells and migration probes are currently monitored twice a month, and methane has not been detected in these probes this quarter. 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. The following is a brief description of the standards and analytical tools used to review each matrix.

2.1 Regulatory Standards

Groundwater monitoring results are compared to Washington State Groundwater Quality Criteria, WAC 173-200 (Table 14). Stormwater monitoring results are compared to the ISGP Benchmark Criteria, or WAC 173-201A Water Quality Standards for Surface Waters of the State of Washington.

2.2 Trilinear Diagrams and Major Ion Balance

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

2.3 Prediction Limits

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

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

The method for calculating the UPLs depends on both the type of distribution and the number of non-detects present in the background data set. UPLs for background data sets with 100 percent non-detects (NDs) are equal to the highest laboratory method detection limit (MDL). UPLs for background data sets with greater than 50 percent, but less than 100 percent non-detects are calculated based on the highest detected concentration for the respective data set. Although there are alternative methods for calculating UPLs for background data sets with greater than 90 percent, but less than 100 percent non-detects (e.g., Poisson's Method), the use of the highest detected concentration is generally considered to be the most conservative. UPLs for background data sets with less than 50 percent non-detects are evaluated for normality, as non-parametric data sets are based on the highest detected concentration for the respective data set. For UPLs of constituents that had been only ever had non-detects prior to the implementation of the LLOQ and are now detected, the MDL is being used until sufficient data is available to calculate at UPL.

UPLs for either normally distributed or transformed data sets with 0 percent non-detects are calculated based on the following equations used to calculate parametric prediction limits with retesting (*EPA Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance, 2009*):

Normal Distribution

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

or

Transformed Distribution:

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

where: x = mean of the baseline data

y = mean of the transformed data

κ = multiplier for intra-well prediction limits

s = standard deviation of baseline data

s_y = standard deviation of transformed data

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

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

2.4 Laboratory Data Quality

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

2.4.1 Lower Limit of Quantification (LLOQ)

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.

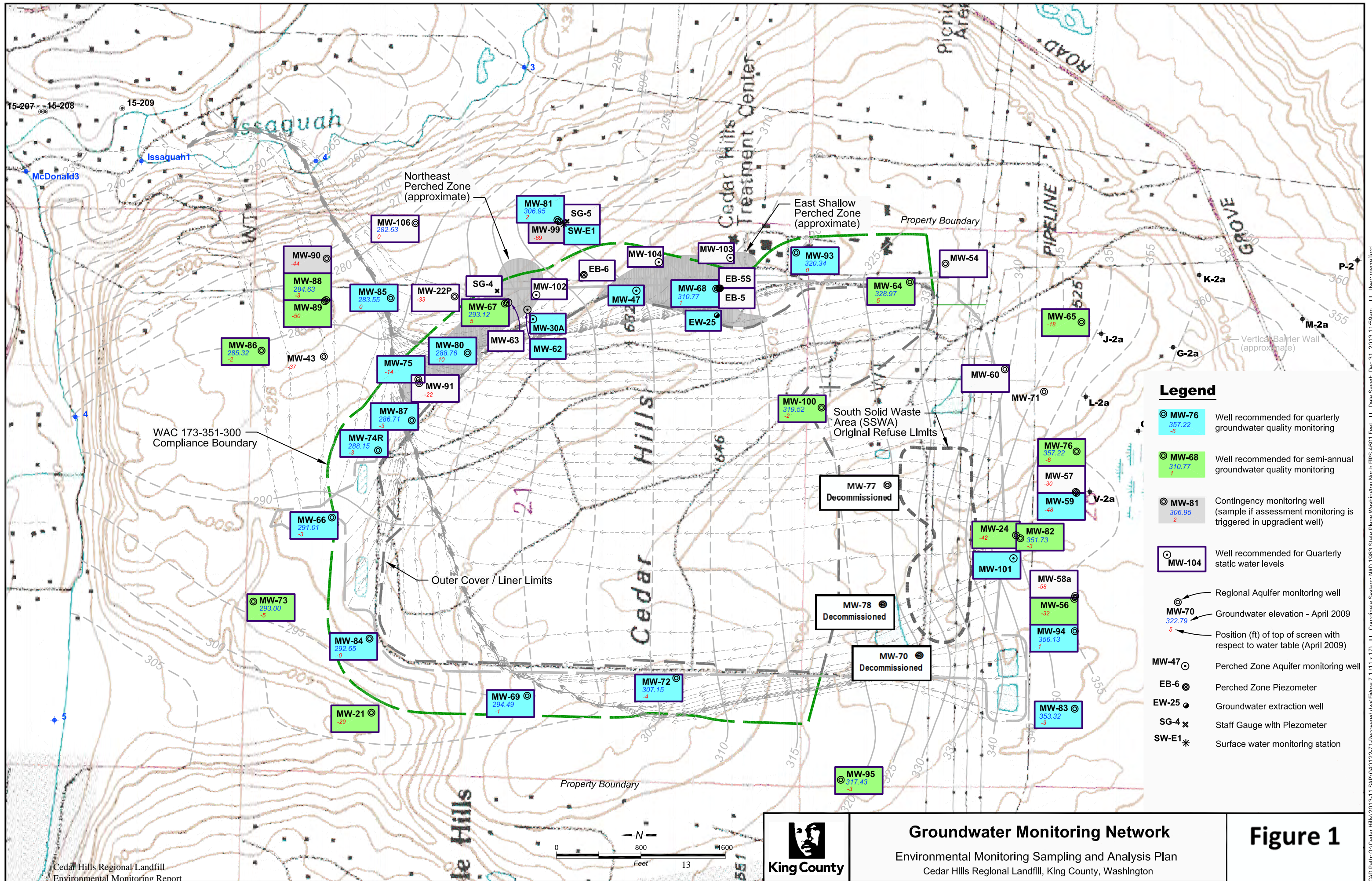
During the second quarter of 2017, the transition to using the LLOQ methodology resulted in revised reporting limits for a number of analytes. Quantitation limits for all trace metals (i.e. non-major cationic species metals), and a subset of the Appendix I VOCs regularly analyzed for were lowered versus past analyses MDLs, while other VOCs had higher limits, or remained unchanged. As a result of these changes, trace metals and VOCs in various wells previously reported as non-detects are now being reported as detections. This does not invalidate past analytical data reported at the MDL as non-detects, but serves to confirm that some analytes can be present below detection limits due to instrumentation and/or analytical methodology limitations. Ongoing efforts will focus on continually assessing and evaluating whether newly detected analytes are due to a confirmed presence in the native sample, or result from either field sampling or laboratory contamination.

Due to the change to the LLOQ methodology change, it may be necessary to re-establish background data sets for any parameters with modified reporting limits in order to maintain statistical integrity and support hypothesis testing conclusions. Transition to new background data sets will occur when sufficient data has been acquired based on minimum statistical requirements.

2.4.2 Analytical Uncertainty and Data Review

An important consideration when reviewing analytical test data is to examine the uncertainty associated with the measurement of each analyte. In some cases, this uncertainty can be greater than the degree of confidence a prediction limit spans due to the 'noise' that is intrinsic to analytical testing methods. When a UPL and reporting limit are close in magnitude, the uncertainty around whether an exceedance

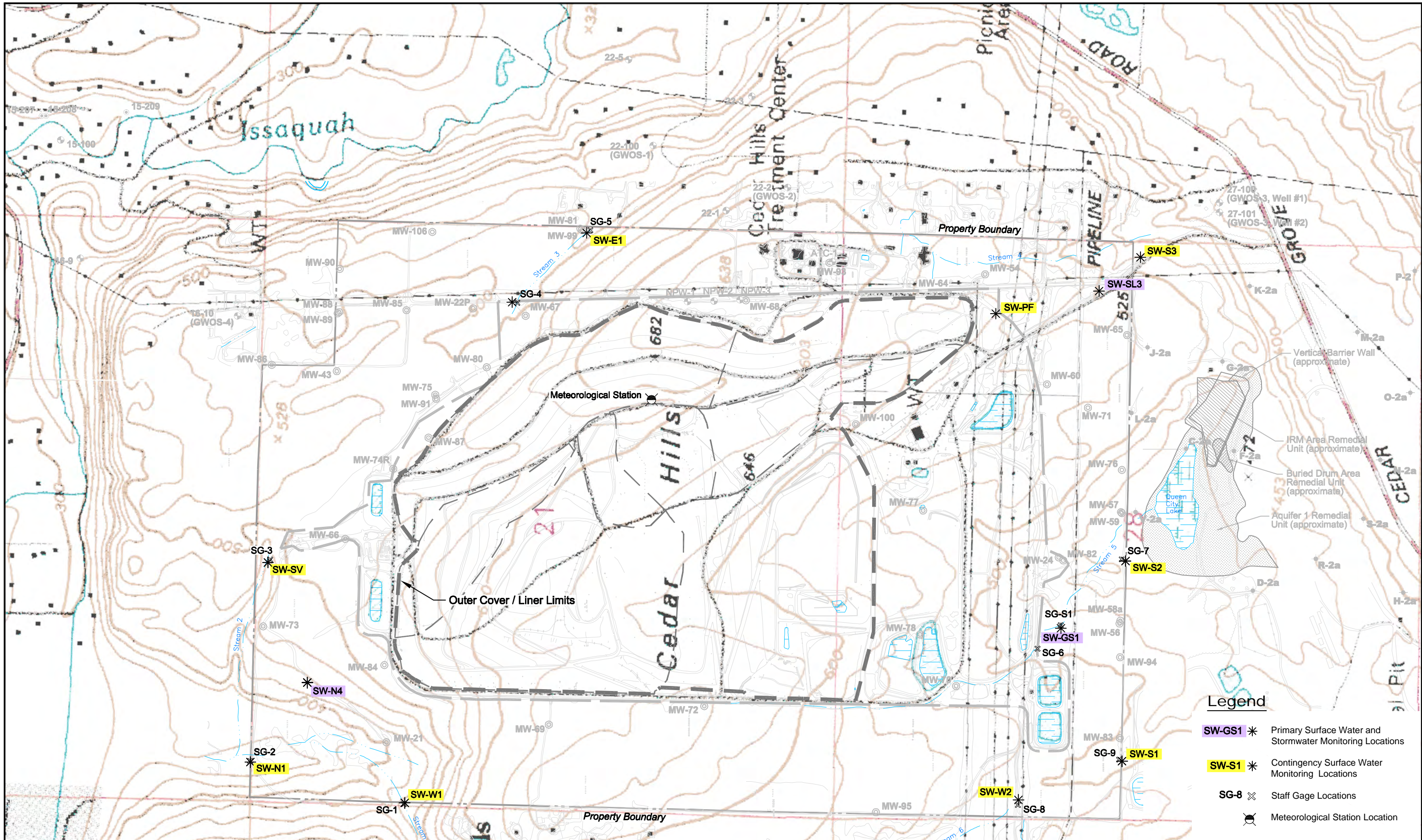
did or did not occur increases. Arsenic exceedances in groundwater are an example of such a case. Both the UPL and detection limit for arsenic are typically quite low (parts per billion), which cause the result to be subject to both the uncertainty within the calculation of the UPL, and the noise inherent to analytical method used to detect at a low target detection/quantitation limit. Therefore, the inherent uncertainty in both of these methodologies needs to be considered during a statistical evaluation of data.



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

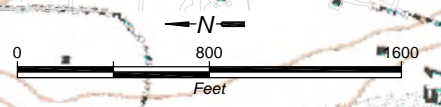


CAD Path: Q:\Cedar Hills\2013-11 SAP\040122-71-Recovered.dwg Figure 7.1 (11 x 17) II Coordinate System: NAD 1983 State Plane Washington North FIPS 4601 Feet II Date Saved: Dec 31, 2013 11:59am II User: mscreaford



- Legend**
- * **SW-GS1** Primary Surface Water and Stormwater Monitoring Locations
 - * **SW-S1** Contingency Surface Water Monitoring Locations
 - x **SG-8** Staff Gage Locations
 - * Meteorological Station Location

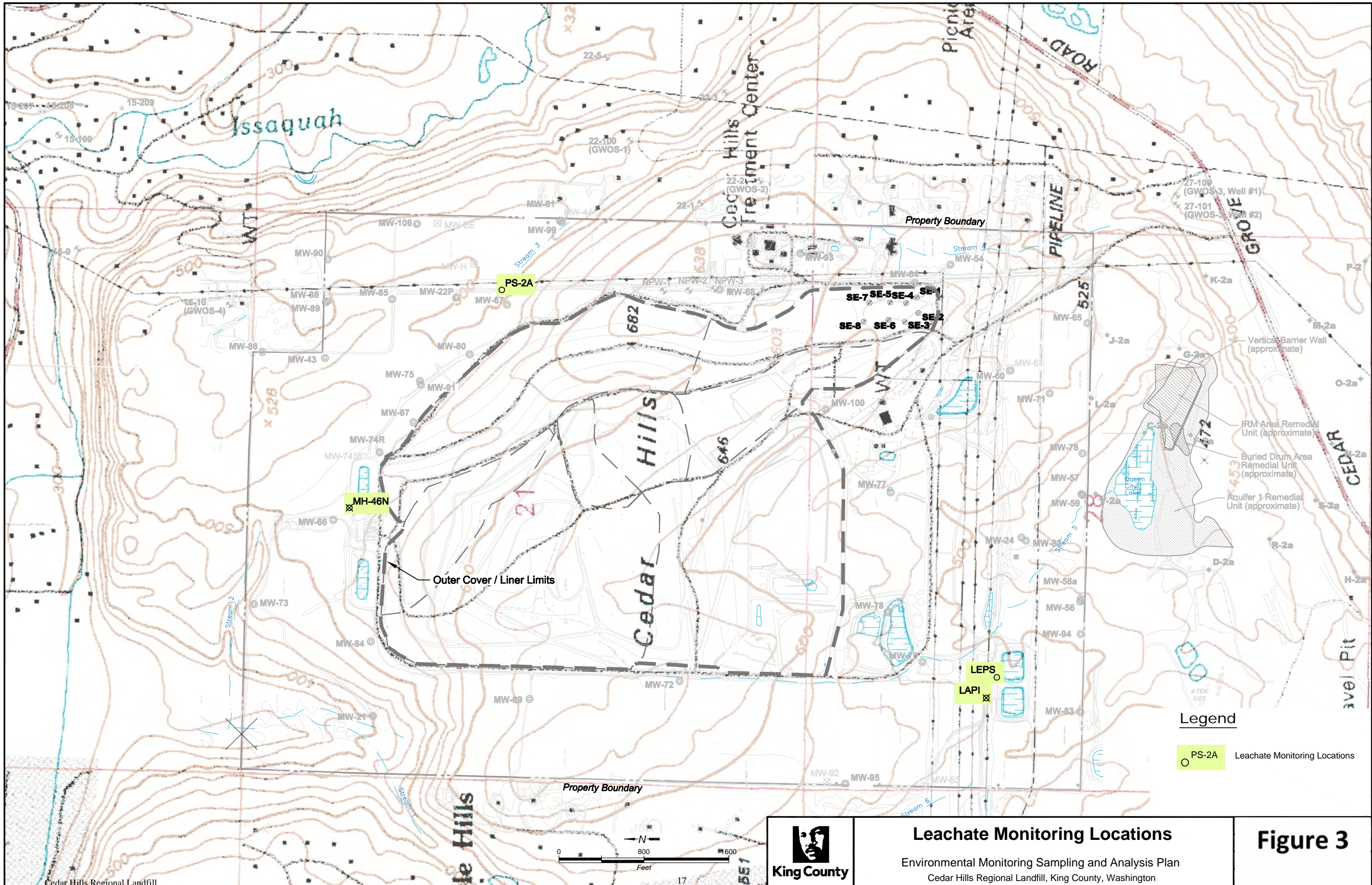
Note:
 Contingency surface water monitoring locations are for potential use in evaluating WAC 173-201A compliance, should an NPDES exceedance occur at the primary surface water and storm water monitoring locations.



Surface Water and Stormwater Monitoring Network
 Environmental Monitoring Sampling and Analysis Plan
 Cedar Hills Regional Landfill, King County, Washington

Figure 2

CAD Path: O:\Cedar Hills\2012\01 Environmental Analysis Plan\040122\81_2012.dwg Figure 8.1 (11 x 17) || Coordinate System: NAD 1983 State Plane Washington North FIPS 4601 Feet || Date Saved: Jan 25, 2012 11:47 am || User: pbaker



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

Figure 3

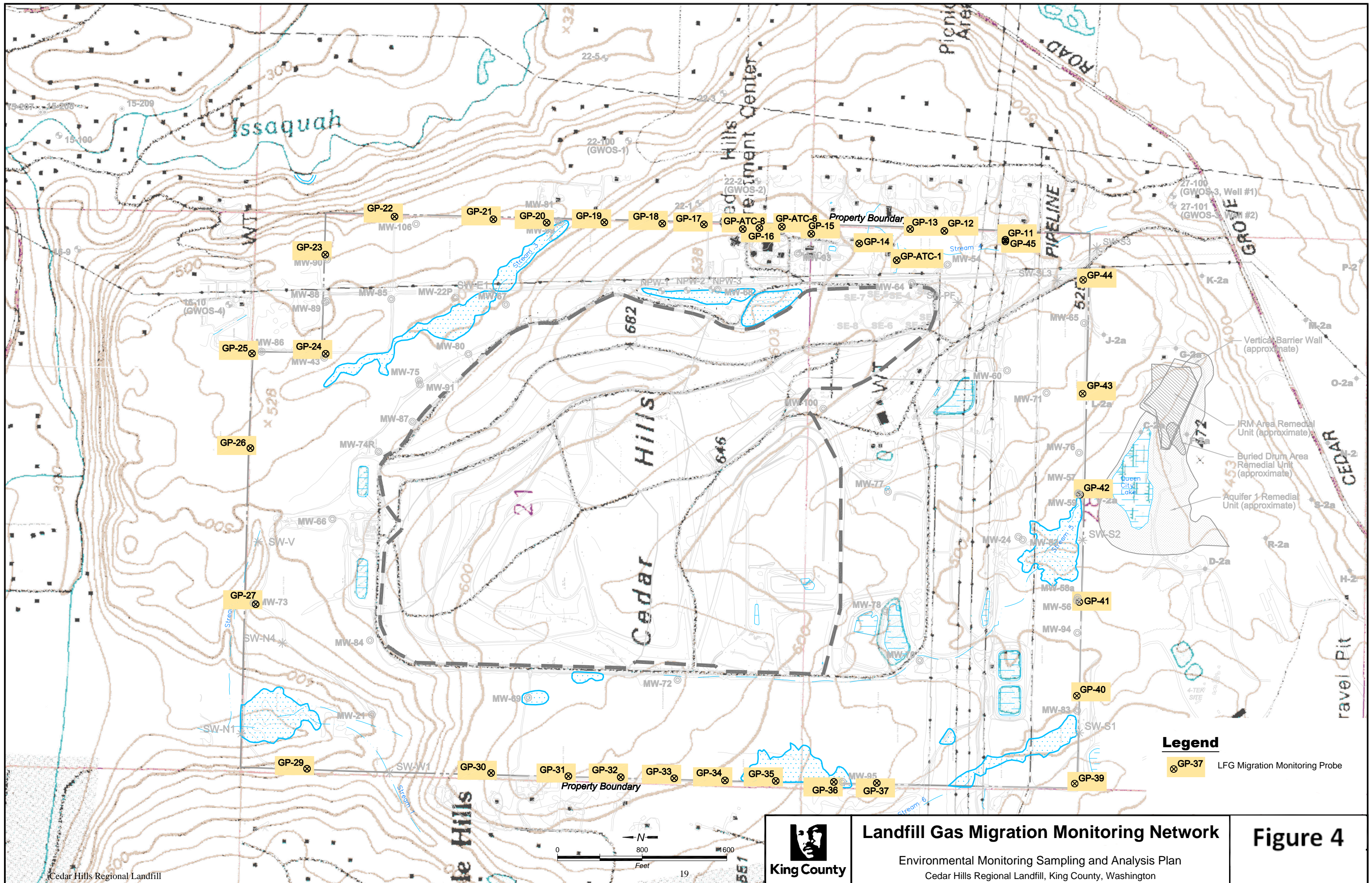


Table 1
CEDAR HILLS REGIONAL LANDFILL GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Casing Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-21 (Upgradient)	6	163	5/17/83	Deep	Detection	Background	Quarterly	Semi-annual	Monitors background conditions of deep aquifer.
MW-22P (Downgradient)	2	284	5/25/83	Deep	Detection	WL only	Quarterly	None	Not effectively located for facilities or background monitoring.
MW-24 (Upgradient)	6	192	6/2/83	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in deep upgradient well. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW-54 (Upgradient)	2	351	9/26/86	Deep	Detection	WL only	Quarterly	None	Not effectively located for facilities monitoring as it lies up gradient of the CHRLF facilities. Upgradient water quality monitored in other wells.
MW-56 (Upgradient)	2	166	10/12/88	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in upgradient well. Low groundwater velocities (0.014 ft/day) indicate slow movement of QCF contaminants through this area. Travel distance for 180 days
MW-57 (Upgradient)	2	144	8/22/88	Deep	Detection	WL only	Quarterly	None	Monitoring redundant with MW-59. Strong downward vertical gradients indicate impacts at MW-57 would also be detected at MW-59.
MW-58A (Upgradient)	2	219	9/26/88	Deep	Detection	WL only	Quarterly	None	Monitoring redundant with MW-56. Strong downward vertical gradients indicate impacts at MW-58A would also be detected at MW-56.
MW-59 (Upgradient)	2	180.5	8/16/88	Deep	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in upgradient well.
MW-60 (Upgradient)	2.5	240	9/13/91	Water Table	Detection	WL only	Quarterly	None	Upgradient flow from QCF in shallow Regional Aquifer characterized by MW-65 and MW-76. Downgradient area monitored by MW-100.
MW-64 (Upgradient)	2.5	274	3/22/93	Water Table	Detection		Quarterly	Semi-annual	Adjacent to SE Pit. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.
MW-65 (Upgradient)	2.5	234	3/29/93	Deep	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in upgradient well. Monitor SWLs to define deeper Regional Aquifer flow paths.
MW-66 (Upgradient)	2.5	248	4/5/93	Water Table	Detection		Quarterly	Quarterly	Monitor north end leachate detention facilities.
MW-67 (Downgradient)	2.5	230	4/28/93	Water Table	Detection		Quarterly	Semi-annual	Monitors potential EPZ contaminants infiltrating into Regional Aquifer.
MW-68 (Cross-Gradient/)	2.5	353	4/15/93	Water Table	Detection		Quarterly	Quarterly	Well is completed adjacent to unlined Main Hill where downward flow from Main Hill and impacted EPZ would be captured. Monitors Main Hill gas effected area.
MW-69 (Downgradient)	2.5	371	4/23/93	Water Table	Detection		Quarterly	Quarterly	West side flow converges in this area and well is upgradient of key downgradient wells.
MW-72 (Downgradient)	2.5	376	8/7/98	Water Table	Detection		Quarterly	Quarterly	Key water quality monitoring well for southwest landfill area.
MW-73 (Upgradient)	4	206	9/3/99	Water Table	Detection	Background	Quarterly	Semi-annual	Background water quality monitoring for northwest facility area. Downgradient flow paths from well largely by-pass facility so provides only general indication of background conditions.
MW-74R (Downgradient)	4	249	11/1/00	Water Table	Detection		Quarterly	Quarterly	Detection zone monitors north end facilities. Quarterly monitoring recommended due to elevated chloride.
MW-75 (Downgradient)	4	269	9/24/99	Deep	Detection		Quarterly	Quarterly	Key downgradient monitoring well.
MW-76 (Upgradient)	4	148	10/25/99	Water Table	Detection	Background	Quarterly	Semi-annual	Monitor QCF impacts effecting upgradient water quality in shallow portion of Regional Aquifer. Low groundwater velocities (0.014 ft/day) indicate slow movement of QCF contaminants through
MW-80 (Downgradient)	4	259	2/27/01	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well for monitoring impacts from unlined Main Hill and EPZ.
MW-81 (Upgradient)	4	192	10/3/02	Water Table	Detection		Quarterly	Quarterly	Monitors ground water quality from off-site area east of facility. Retain as monitoring point to monitor for potential LFG impacts to groundwater. Key well for defining potentiometric divide on
MW-82 (Upgradient)	4	133	11/2/00	Water Table	Detection	Background	Quarterly	Semi-annual	Twice-annual monitoring of QCF impacts in shallow Regional upgradient well. Low groundwater velocities (0.014 ft/day) indicate slow movement of QCF contaminants through this
MW-83 (Upgradient)	4	154	10/27/00	Water Table	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in shallow Regional upgradient well.
MW-84 (Upgradient)	4	246	10/20/00	Water Table	Detection	Background	Quarterly	Quarterly	Monitor background conditions in shallow regional aquifer
MW-85 (Downgradient)	4	257	12/1/00	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well with large detection zone underlying waste placement areas. Located in area of convergent groundwater flow and near center of high transmissivity
MW-86 (Downgradient)	4	259	12/12/00	Water Table	Detection		Quarterly	Semi-annual	Provides monitoring of north end facilities. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.
MW-87 (Downgradient)	4	261	11/21/00	Water Table	Detection		Quarterly	Quarterly	Key downgradient monitoring well.
MW-88 (Downgradient)	4	239	9/13/01	Water Table	Detection		Quarterly	Semi-annual	Provides limited monitoring of north end facilities. Conversion from quarterly to semiannual sampling does not have significant effect on intrawell statistics.

Table 1
CEDAR HILLS REGIONAL LANDFILL GROUNDWATER MONITORING WELLS

Well Name	General Condition				Recommendations				
	Casing Diameter (inches)	Well Depth (feet)	Installation Date	Water Table or Deep Zone	Well Monitoring Classification	Comments on Well Use	Static Water Level Monitoring Frequency	Water Quality Monitoring Frequency	Rationale
MW-89 (Downgradient)	4	291	11/12/01	Deep	Detection		Quarterly	Semi-annual	Provides limited monitoring of north end facilities in deep Regional Aquifer. Continue monitoring in place of MW-43. Conversion from quarterly to semiannual sampling does not have
MW-90 (Downgradient)	4	274	8/14/02	Deep	Assessment		Quarterly	Contingent	Water quality monitoring redundant with MW-89. Reserve as contingency well in event assessment monitoring is triggered in MW-88,89 or 85.
MW-91 (Downgradient)	6	289	10/26/01	Deep	Detection	WL only	Quarterly	None	Large diameter well used for testing. Redundant with well MW-75. Additional demonstration for reduction in water quality sampling frequency is presented in Appendix F.
MW-93 (Cross Gradient)	4	320	6/24/02	Water Table	Detection		Quarterly	Quarterly	Well monitors the Main Hill gas affected area
MW-94 (Upgradient)	4	145	7/2/02	Water Table	Detection	Background	Quarterly	Quarterly	Quarterly monitoring of QCF impacts in shallow Regional upgradient well.
MW-95 (Cross Gradient)	4	263	7/22/02	Water Table	Detection		Quarterly	Semi-annual	Monitor off-site water quality at south end of facility. Downgradient flow paths poorly defined and may by-pass facility. Additional demonstration for reduction in water quality sampling frequency
MW-99 (Upgradient)	4	279	8/30/02	Deep	Assessment		Quarterly	Contingent	Monitors easterly upgradient water quality from offsite. Reserve as contingency well in event assessment monitoring is triggered in MW-81. Additional demonstration for reduction in water
MW-100 (Downgradient)	4	300	8/26/02	Water Table	Detection		Quarterly	Semi-annual	Well useful for flowpath and geochemical modeling. Assists in tracking QCF contaminant migration through facility. Additional demonstration for reduction in water quality sampling
MW-106 (Cross gradient)	4	203	2/19/09	Water Table	Detection	WL only	Quarterly	None	Defines east side flow paths.
East Main Hill Perched Zones									
EB-5	2	60	5/06/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
EB-5S	2	20	6/06/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
EB-6	2	30	11/28/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down. Well has limited water yield limiting ability to collect samples.
EW-25	6	36	6/10/92	EPZ	Assessment		Quarterly	Quarterly	Key EPZ compliance well. Temporary monitoring point sampled with passive diffusion sampler.
MW-30A	3	35	6/09/89	EPZ	Assessment		Quarterly	Quarterly	Monitor attenuating VOCs
MW-47	2	44	5/31/85	EPZ	Assessment		Quarterly	Quarterly	Key EPZ compliance well
MW-62	2	54	1/02/90	EPZ	Assessment		Quarterly	Quarterly	Monitor attenuating VOCs
MW-63	2	17	12/02/90	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
MW-102	2	50	1/27/09	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
MW-103	2	35	1/28/09	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
MW-104	2	32	1/29/09	EPZ	Assessment	WL only	Quarterly	None	Monitor water levels to evaluate affect of extraction system shut down.
South Solid Waste Area Perched Zone									
MW-101	2	54	6/2/06	SSWA	Assessment		Quarterly	Quarterly	Key SSWA perched zone compliance well

Notes:

- (1) The following wells were decommissioned: MW-70, MW-77, MW-78, MW-96 and MW-97 as of 2016.
- (2) Shallow wells are wells completed in the Regional Aquifer with the top screen slot within 10 ft of the water table. Deep wells are completed in the Regional Aquifer with the top screen slot greater than 10 ft below the water table.
- (3) Water quality monitoring shading relates to Figure 2.

Abbreviations:

WL = Water Level
 NA = Not Applicable
 DZ = Detection Zone EPZ = East Perched Zone
 SSWA = South Solid Waste Area QCF = Queen City Farms

TABLE 2
GROUNDWATER MONITORING ACTIVITIES 2nd QUARTER 2018

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
Static Water Levels	NA	4/6/18	Groundwater Elevation Measurement	--	North half of landfill.
Static Water Levels	NA	4/6/18	Groundwater Elevation Measurement	--	South half of landfill.
Static Water Levels	NA	4/30/18	Groundwater Elevation Measurement	--	East perched zone.
EW-25	Perched	4/6/18	Groundwater Elevation Measurement	NA	
EW-25	Perched	4/30/18	Groundwater Elevation Measurement	NA	
MW-21	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-21	Regional	4/13/18	Semi-annual Groundwater Sampling	W21-180413-	
MW-22	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-24	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-24	Regional	4/13/18	Semi-annual Groundwater Sampling	W24-180413-	
MW-25	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-27A	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-28	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-29	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-30A	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-30A	Perched	4/30/18	Groundwater Elevation Measurement	NA	
MW-30A	Perched	5/1/18	Quarterly Groundwater Sampling	W30A180501-	
MW-41D	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-41S	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-43	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-45	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-47	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-47	Perched	4/30/18	Groundwater Elevation Measurement	NA	
MW-47	Perched	5/1/18	Quarterly Groundwater Sampling	W47-180501-	
MW-50	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-54	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-55	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-56	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-56	Regional	4/12/18	Semi-annual Groundwater Sampling	W56-180412-	
MW-57	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-58A	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-59	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-59	Regional	4/12/18	Quarterly Groundwater Sampling	W59-180412-	
MW-60	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-62	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-62	Perched	4/30/18	Groundwater Elevation Measurement	NA	
MW-62	Perched	5/3/18	Quarterly Groundwater Sampling	W62-180503-	
MW-62	Perched	5/3/18	QA/QC Sample	W62-180503D	Field Duplicate
MW-63	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-63	Perched	4/30/18	Groundwater Elevation Measurement	NA	
MW-64	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-64	Regional	4/19/18	Semi-annual Groundwater Sampling	W64-180419-	
MW-65	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-65	Regional	4/19/18	Groundwater Elevation Measurement	NA	
MW-65	Regional	4/23/18	Semi-annual Groundwater Sampling	W65-180423-	
MW-66	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-66	Regional	4/18/18	Quarterly Groundwater Sampling	W66-180418-	
MW-67	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-67	Regional	4/19/18	Semi-annual Groundwater Sampling	W67-180419-	
MW-67	Regional	4/30/18	Groundwater Elevation Measurement	NA	
MW-68	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-68	Regional	5/3/18	Quarterly Groundwater Sampling	W68-180503-	
MW-69	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-69	Regional	5/3/18	Quarterly Groundwater Sampling	W69-180503-	
MW-72	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-72	Regional	4/17/18	Quarterly Groundwater Sampling	W72-180417-	
MW-73	Regional	4/6/18	Groundwater Elevation Measurement	NA	

TABLE 2
GROUNDWATER MONITORING ACTIVITIES 2nd QUARTER 2018

Well ID	Zone	Date	Planned Activity	Sample ID	Comment
MW-73	Regional	4/13/18	Semi-annual Groundwater Sampling	W73-180413-	
MW-74	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-74	Regional	4/19/18	Quarterly Groundwater Sampling	W74R180419-	
MW-75	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-75	Regional	5/1/18	Quarterly Groundwater Sampling	W75-171018-	
MW-76	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-76	Regional	4/16/18	Semi-annual Groundwater Sampling	W76-171106-	
MW-79	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-80	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-80	Regional	4/23/18	Quarterly Groundwater Sampling	W80-180423-	
MW-81	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-81	Regional	4/18/18	Quarterly Groundwater Sampling	W81-180418-	
MW-82	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-82	Regional	4/13/18	Semi-annual Groundwater Sampling	W82-180413-	
MW-83	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-83	Regional	4/16/18	Quarterly Groundwater Sampling	W83-180416-	
MW-84	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-84	Regional	4/19/18	Quarterly Groundwater Sampling	W84-180419-	
MW-85	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-85	Regional	4/26/18	Quarterly Groundwater Sampling	W85-180426-	
MW-86	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-86	Regional	4/16/18	Semi-annual Groundwater Sampling	W86-180416-	
MW-87	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-87	Regional	4/25/18	Quarterly Groundwater Sampling	W87-180425-	
MW-88	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-88	Regional	4/17/18	Semi-annual Groundwater Sampling	W88-180417-	
MW-89	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-89	Regional	4/19/18	Semi-annual Groundwater Sampling	W89-180419-	
MW-90	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-91	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-93	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-93	Regional	5/3/18	Quarterly Groundwater Sampling	W93-180503-	
MW-94	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-94	Regional	4/16/18	Quarterly Groundwater Sampling	W94-180416-	
MW-95	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-95	Regional	4/16/18	Semi-annual Groundwater Sampling	W95-180416-	
MW-98	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-99	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-100	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-100	Regional	4/17/18	Semi-annual Groundwater Sampling	W100180417-	
MW-101	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-101	Perched	4/30/18	Quarterly Groundwater Sampling	W101180430-	Appendix III analyte list.
MW-102	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-103	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-104	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-105	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-105	Regional	4/23/18	Leachate Lagoon Monitoring	NA	Conductivity only
MW-106	Regional	4/6/18	Groundwater Elevation Measurement	NA	
MW-EB5	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-EB5	Perched	4/30/18	Groundwater Elevation Measurement	NA	
MW-EB5S	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-EB5S	Perched	4/30/18	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	4/6/18	Groundwater Elevation Measurement	NA	
MW-EB6	Perched	4/30/18	Groundwater Elevation Measurement	NA	
WS-NPW-1	Regional	4/6/18	Groundwater Elevation Measurement	NA	Inaccessible
WS-NPW-3	Regional	4/6/18	Groundwater Elevation Measurement	NA	Inaccessible
Equipment Blank	NA	5/22/18	QA/QC Sample	WU1H180522E	
Field Blank	NA	4/18/18	QA/QC Sample	W81-180418F	

NA = No sample ID assigned, No sample collected.

Table 3
GROUNDWATER CONCENTRATIONS ABOVE WAC 173-200-040 CRITERIA
WATER QUALITY STANDARDS FOR GROUND WATERS OF THE STATE OF WASHINGTON

CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER

(Data Collected from April 1, 2018 - June 30, 2018)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Upgradient and Crossgradient Wells					
pH (Field)	pH Units	MW-24	4/13/2018	W24-180413-	6.490
		MW-59	4/12/2018	W59-180412-	6.3300
		MW-66	4/18/2018	W66-180418-	6.4700
		MW-73	4/13/2018	W73-180413-	5.9900
		MW-76	4/16/2018	W76-180416-	5.9100
		MW-94	4/16/2018	W94-180416-	6.4400
Arsenic, Total	mg/L	MW-21	04/13/2018	W21-180413-	0.0010
		MW-24	04/13/2018	W24-180413-	0.0006
		MW-56	04/12/2018	W56-180412-	0.0001
		MW-59	04/12/2018	W59-180412-	0.0004
		MW-64	04/19/2018	W64-180419-	0.0078
		MW-65	04/23/2018	W65-180423-	0.0008
		MW-66	04/18/2018	W66-180418-	0.0007
		MW-73	04/13/2018	W73-180413-	0.0003
		MW-76	04/16/2018	W76-180416-	0.0002
		MW-81	04/18/2018	W81-180418-	0.0005
		MW-82	04/13/2018	W82-180413-	0.000249
		MW-83	04/16/2018	W83-180416-	0.000309
		MW-84	04/19/2018	W84-180419-	0.00037
		MW-93	06/28/2018	W93-180628-	0.00135
		MW-94	04/16/2018	W94-180416-	0.000146
		MW-95	04/16/2018	W95-180416-	0.00109
Iron, Dissolved	mg/L	MW-21	04/13/2018	W21-180413-	2.22
		MW-24	04/13/2018	W24-180413-	2.97
		MW-59	04/12/2018	W59-180412-	3.31
		MW-65	04/23/2018	W65-180423-	3.42
Manganese, Dissolved	mg/L	MW-21	04/13/2018	W21-180413-	0.102
		MW-24	04/13/2018	W24-180413-	0.0969
		MW-56	04/12/2018	W56-180412-	0.131
		MW-59	04/12/2018	W59-180412-	0.114
		MW-64	04/19/2018	W64-180419-	0.0689
		MW-65	04/23/2018	W65-180423-	0.212
		MW-93	06/28/2018	W93-180628-	0.22
		MW-95	04/16/2018	W95-180416-	0.171
Trichloroethene	µg/L	MW-76	04/16/2018	W76-180416-	8.05
		MW-82	04/13/2018	W82-180413-	5.28
Vinyl Chloride	µg/L	MW-65	04/23/2018	W65-180423-	0.028

Table 3
GROUNDWATER CONCENTRATIONS ABOVE WAC 173-200-040 CRITERIA
WATER QUALITY STANDARDS FOR GROUND WATERS OF THE STATE OF WASHINGTON

CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER

(Data Collected from April 1, 2018 - June 30, 2018)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
Wells Downgradient to Waste Cells and North end Facilities					
pH (Field)	pH Units	None.			
Arsenic, Total	mg/L	MW-67	04/23/2018	W67-180423-	0.0011
		MW-68	05/03/2018	W68-180503-	0.0161
		MW-69	05/03/2018	W69-180503-	0.00237
		MW-72	04/17/2018	W72-180417-	0.000255
		MW-74	04/19/2018	W74R180419-	0.000389
		MW-75	05/01/2018	W75-180501-	0.000456
		MW-80	04/23/2018	W80-180423-	0.00494
		MW-85	04/26/2018	W85-180426-	0.00071
		MW-86	04/16/2018	W86-180416-	0.0132
		MW-87	04/25/2018	W87-180425-	0.00211
		MW-88	04/17/2018	W88-180417-	0.00103
		MW-89	04/19/2018	W89-180419-	0.00356
		MW-100	04/17/2018	W100180417-	0.00493
Iron, Dissolved	mg/L	MW-68	05/03/2018	W68-180503-	0.68
		MW-69	05/03/2018	W69-180503-	1.1
		MW-72	04/17/2018	W72-180417-	2.54
		MW-75	05/01/2018	W75-180501-	1.97
		MW-80	04/23/2018	W80-180423-	2.06
		MW-86	04/16/2018	W86-180416-	0.523
		MW-87	04/25/2018	W87-180425-	3.67
		MW-89	04/19/2018	W89-180419-	0.992
		MW-100	04/17/2018	W100180417-	0.832
Manganese, Dissolved	mg/L	MW-67	04/23/2018	W67-180423-	0.205
		MW-68	05/03/2018	W68-180503-	0.309
		MW-69	05/03/2018	W69-180503-	0.262
		MW-72	04/17/2018	W72-180417-	0.371
		MW-75	05/01/2018	W75-180501-	0.172
		MW-80	04/23/2018	W80-180423-	0.33
		MW-87	04/25/2018	W87-180425-	0.587
		MW-89	04/19/2018	W89-180419-	0.211
		MW-100	04/17/2018	W100180417-	0.172

See Data Qualifier List for Qualifier Information.

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

Data Collected from April 1, 2018 to June 30, 2018

Site ID	Upgradient and Crossgradient																			
	MW-21 4/13/18		MW-24 4/13/18		MW-56 4/12/18		MW-59 4/12/18		MW-64 4/19/18		MW-65 4/23/18									
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)			
pH			7.4			6.5			6.8			6.3			6.6			6.8		
Conductance			145			178			145			190			284			151		
TDSobs			89			112			110			114			168			93		
Calcium	40.1	2	11.7	0.583832	39.6	14.1	0.703593	38.1	17.0	0.848303	48.4	16.0	0.798403	39.7	20.6	1.027944	35.8	11.9	0.593812	37.6
Magnesium	24.3	2	6.4	0.529932	36.0	9.3	0.76692	41.5	7.9	0.650072	37.1	9.8	0.80395	39.9	17.2	1.415347	49.3	7.2	0.590825	37.4
Potassium	39.1	1	1.1	0.027111	1.8	1.0	0.024733	1.3	1.0	0.026344	1.5	1.1	0.028902	1.4	1.9	0.04834	1.7	0.9	0.023607	1.5
Sodium	23.0	1	5.7	0.247066	16.8	5.5	0.240977	13.0	5.1	0.222708	12.7	6.0	0.259246	12.9	8.7	0.376254	13.1	5.6	0.241847	15.3
Iron	55.8	2	2.22	0.079503	5.4	2.97	0.106362	5.8	0.05	0.001859	0.1	3.31	0.118538	5.9	0.03	0.000996	0.0	3.42	0.122477	7.7
Manganese	54.9	2	0.10	0.003713	0.3	0.10	0.003528	0.2	0.13	0.004769	0.3	0.11	0.00415	0.2	0.07	0.002508	0.1	0.21	0.007718	0.5
Ammonia-N	14.0	1	0.02	0.001478	0.1	0.03	0.002192	0.1	0.00	7.14E-05	0.0	0.00	0.0003	0.0	0.02	0.001242	0.0	0.01	0.000478	0.0
Total Cations (meq/L)				1.5			1.8			1.8			2.0			2.9			1.6	
Anions																				
Alkalinity, Total			58			65			53			65			105			53		
Carbonate	60.0	2	0.07738	0.002579	0.2	0.012003	0.0004	0.0	0.020847	0.000695	0.0	0.008395	0.00028	0.0	0.027554	0.000918	0.0	0.020967	0.000699	0.1
Bicarbonate	61.0	1	70.11	1.149247	85.2	78.79	1.291405	75.9	64.01	1.049147	63.1	79.65	1.305523	72.7	128.04	2.098765	74.6	64.37	1.055142	79.0
Chloride	35.5	1	2.6	0.073901	5.5	4.7	0.132006	7.8	13.9	0.392068	23.6	6.3	0.176854	9.8	2.4	0.068824	2.4	3.0	0.084901	6.4
Nitrate-N	14.0	1	0.01	0.000357	0.0	0.01	0.000357	0.0	1.33	0.094953	5.7	0.02	0.001214	0.1	0.02	0.001142	0.0	0.01	0.000857	0.1
Sulfate	96.1	2	5.9	0.122843	9.1	13.3	0.276917	16.3	6.1	0.127007	7.6	15.0	0.312313	17.4	30.9	0.643364	22.9	9.3	0.194467	14.6
Total Anions (meq/L)				1.3			1.7			1.7			1.8			2.8			1.3	
Total Ions (meq/L)				2.8			3.5			3.4			3.8			5.7			2.9	
Cation/Anion Ratio				1.09			1.09			1.05			1.12			1.02			1.18	
Percent Difference				4.4			4.1			2.6			5.7			1.0			8.4	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)				1.39			1.74			1.75			1.89			2.87			1.45	
Calcium					42.06			40.52			48.55			42.23		35.84			40.95	
Magnesium					38.18			44.17			37.20			42.53		49.35			40.74	
Sodium + Potassium					19.75			15.30			14.25			15.24		14.81			18.31	
														100.0						
sum (SO ₄ , Cl, HCO ₃ +CO ₃)				1.35			1.70			1.57			1.79			2.81			1.34	
Sulfate					9.109			16.282			8.095			17.399		22.880			14.565	
Chloride					5.480			7.762			24.990			9.853		2.448			6.359	
Bicarbonate + Carbonate					85.411			75.956			66.915			72.748		74.672			79.077	
														100.0						

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

Data Collected from April 1, 2018 to June 30, 2018

Site ID	Upgradient and Crossgradient																			
	MW-76 4/16/18		MW-82 4/13/18			MW-83 4/16/18			MW-94 4/16/18			MW-73 4/13/18			MW-81 4/18/18					
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)			
pH			5.9			6.6			6.7			6.4			6.0			6.8		
Conductance			227			313			514			314			98			164		
TDSobs			143			195			304			199			72			111		
Calcium	40.1	2	20.2	1.007984	45.2	29.9	1.492016	44.6	52.8	2.634731	51.0	31.2	1.556886	50.2	10.7	0.533932	54.1	13.6	0.678643	42.1
Magnesium	24.3	2	9.4	0.770212	34.5	17.6	1.448262	43.3	23.9	1.966674	38.1	13.9	1.143798	36.9	3.6	0.292944	29.7	7.6	0.62374	38.7
Potassium	39.1	1	1.4	0.036063	1.6	1.9	0.049107	1.5	2.9	0.075195	1.5	2.3	0.058315	1.9	0.7	0.018466	1.9	0.9	0.021817	1.4
Sodium	23.0	1	9.6	0.415402	18.6	8.1	0.354071	10.6	11.1	0.482823	9.4	7.8	0.339716	11.0	3.3	0.141367	14.3	6.6	0.286214	17.8
Iron	55.8	2	0.01	0.000179	0.0	0.01	0.000179	0.0	0.01	0.000179	0.0	0.01	0.000179	0.0	0.01	0.000179	0.0	0.01	0.000179	0.0
Manganese	54.9	2	0.00	1.82E-06	0.0	0.00	1.82E-06	0.0	0.04	0.001544	0.0	0.00	4E-06	0.0	0.00	1.1E-05	0.0	0.00	1.82E-06	0.0
Ammonia-N	14.0	1	0.00	0.00015	0.0	0.00	7.14E-05	0.0	0.00	0.000143	0.0	0.00	0.000157	0.0	0.00	7.14E-05	0.0	0.00	7.14E-05	0.0
Total Cations (meq/L)				2.2			3.3			5.2	100.0		3.1			1.0			1.6	
Anions																				
Alkalinity, Total			60			127			170			103			38			55		
Carbonate	60.0	2	0.002913	9.71E-05	0.0	0.031828	0.001061	0.0	0.046712	0.001557	0.0	0.017057	0.000569	0.0	0.00221	7.37E-05	0.0	0.019608	0.000654	0.0
Bicarbonate	61.0	1	72.71	1.191723	56.8	154.88	2.538556	79.3	207.31	3.39793	67.1	125.63	2.059121	67.7	45.87	0.751813	78.8	67.55	1.107179	71.9
Chloride	35.5	1	16.4	0.462584	22.0	9.7	0.273038	8.5	49.6	1.399035	27.6	20.9	0.589513	19.4	1.2	0.033566	3.5	5.0	0.140186	9.1
Nitrate-N	14.0	1	1.65	0.117798	5.6	0.66	0.046977	1.5	1.34	0.095666	1.9	2.71	0.193475	6.4	0.46	0.032698	3.4	1.34	0.095666	6.2
Sulfate	96.1	2	15.7	0.326887	15.6	16.5	0.343544	10.7	8.3	0.173438	3.4	9.5	0.198214	6.5	6.5	0.13596	14.2	9.5	0.196965	12.8
Total Anions (meq/L)				2.1			3.2			5.1	100.0		3.0			1.0			1.5	
Total Ions (meq/L)				4.3			6.5			10.2			6.1			1.9			3.2	
Cation/Anion Ratio				1.06			1.04			1.02			1.02			1.03			1.05	
Percent Difference				3.0			2.1			0.9			0.9			1.7			2.2	
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)			2.23			3.34			5.16			3.10			0.99			1.61		
Calcium				45.21			44.62		51.07			50.24		54.11			42.14			
Magnesium				34.54			43.32		38.12			36.91		29.69			38.73			
Sodium + Potassium				20.25			12.06		10.82			12.85		16.20			19.13			
									100.0								100.0			
sum (SO ₄ , Cl, HCO ₃ +CO ₃)			1.98			3.16			4.97			2.85		0.92			1.44			
Sulfate				16.499			10.885		3.488			6.961		14.756			13.631			
Chloride				23.348			8.651		28.139			20.703		3.643			9.702			
Bicarbonate + Carbonate				60.154			80.464		68.373			72.335		81.602			76.668			
									100.0											

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

Data Collected from April 1, 2018 to June 30, 2018

Site ID	Upgradient and Crossgradient													
	MW-84 4/19/18			MW-66 4/18/18			MW-93 6/28/18			MW-95 4/16/18				
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.9			6.5			6.7			6.7		
Conductance			174			251			294			231		
TDSobs			112			147			201			136		
Calcium	40.1	2	12.6	0.628743	36.4	18.4	0.918164	36.9	31.8	1.586826	45.8	21.5	1.07285429	45.7
Magnesium	24.3	2	9.6	0.790784	45.8	14.5	1.19317	48.0	17.1	1.407118	40.6	11.6	0.9545361	40.7
Potassium	39.1	1	1.0	0.0266	1.5	1.2	0.03018	1.2	1.5	0.037342	1.1	1.3	0.0319707	1.4
Sodium	23.0	1	6.4	0.27969	16.2	7.9	0.344066	13.8	9.6	0.418012	12.1	6.4	0.27838469	11.9
Iron	55.8	2	0.01	0.000179	0.0	0.01	0.000179	0.0	0.01	0.000179	0.0	0.01	0.00017906	0.0
Manganese	54.9	2	0.00	2.3E-05	0.0	0.00	1.82E-06	0.0	0.22	0.008009	0.2	0.17	0.0062252	0.3
Ammonia-N	14.0	1	0.00	7.14E-05	0.0	0.00	7.14E-05	0.0	0.06	0.004084	0.1	0.02	0.00177768	0.1
Total Cations (meq/L)				1.7			2.5			3.5			2.3	
Anions														
Alkalinity, Total			65			96			121			88		
Carbonate	60.0	2	0.030322	0.001011	0.1	0.016981	0.000566	0.0	0.034022	0.001134	0.0	0.02779257	0.00092643	0.0
Bicarbonate	61.0	1	79.24	1.298793	78.4	116.72	1.913145	80.3	147.55	2.418501	73.7	107.43	1.76080802	79.0
Chloride	35.5	1	3.3	0.092235	5.6	4.9	0.138211	5.8	2.8	0.07785	2.4	5.1	0.1432883	6.4
Nitrate-N	14.0	1	0.17	0.011851	0.7	0.54	0.038552	1.6	0.02	0.001071	0.0	0.01	0.00035696	0.0
Sulfate	96.1	2	12.1	0.251932	15.2	14.0	0.291492	12.2	37.7	0.784946	23.9	15.6	0.32480512	14.6
Total Anions (meq/L)				1.7			2.4			3.3			2.2	
Total Ions (meq/L)				3.4			4.9			6.7			4.6	
Cation/Anion Ratio				1.04			1.04			1.05			1.05	
Percent Difference				2.1			2.1			2.6			2.5	
Trilinear Diagram Data														
sum (Ca, Mg, Na+K)				1.73			2.49			3.45			2.34	
Calcium					36.43			36.94			46.00			45.89
Magnesium					45.82			48.00			40.79			40.83
Sodium + Potassium					17.75			15.06			13.20			13.28
					100.0			100.0						
sum (SO ₄ , Cl, HCO ₃ +CO ₃)				1.64			2.34			3.28			2.23	
Sulfate					15.325			12.439			23.914			14.566
Chloride					5.610			5.898			2.372			6.426
Bicarbonate + Carbonate					79.065			81.663			73.715			79.008

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

Data Collected from April 1, 2018 to June 30, 2018

Site ID	Downgradient to Waste Cells and North End Facilities									
	MW-68			MW-67			MW-69			
	MW	n	5/3/18	4/23/18	5/3/18					
Cations		mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.9		6.9		6.7			
Conductance			286		374		329			
TDSobs			166		230		194			
Calcium	40.1	2	28.4	1.417166	44.4	36.5	1.821357	44.5	34.4	1.716567
Magnesium	24.3	2	15.6	1.283686	40.3	21.6	1.777412	43.4	16.3	1.341288
Potassium	39.1	1	1.8	0.044759	1.4	1.8	0.045526	1.1	1.8	0.045271
Sodium	23.0	1	9.3	0.406268	12.7	9.9	0.430626	10.5	8.9	0.388869
Iron	55.8	2	0.68	0.024352	0.8	0.22	0.007914	0.2	1.10	0.039393
Manganese	54.9	2	0.31	0.011249	0.4	0.21	0.007463	0.2	0.26	0.009538
Ammonia-N	14.0	1	0.02	0.001271	0.0	0.01	0.000535	0.0	0.02	0.001142
Total Cations (meq/L)				3.2		4.1			3.5	
Anions										
Alkalinity, Total						126			137	
Carbonate	60.0	2	0.061546	0.002052	0.1	0.073239	0.002441	0.1	0.036788	0.001226
Bicarbonate	61.0	1	153.59	2.517569	87.1	191.39	3.137086	79.7	167.07	2.738361
Chloride	35.5	1	2.5	0.071362	2.5	4.9	0.136801	3.5	3.6	0.102671
Nitrate-N	14.0	1	0.01	0.000357	0.0	0.11	0.007996	0.2	0.01	0.000357
Sulfate	96.1	2	14.3	0.297738	10.3	31.2	0.64961	16.5	24.5	0.510111
Total Anions (meq/L)				2.9		3.9			3.4	
Total Ions (meq/L)				6.1		8.0			6.9	
Cation/Anion Ratio				1.10		1.04			1.06	
Percent Difference				4.9		2.0			2.7	
Trilinear Diagram Data										
sum (Ca, Mg, Na+K)				3.15		4.07			3.49	
Calcium					44.96		44.70		49.16	
Magnesium					40.73		43.62		38.41	
Sodium + Potassium					14.31		11.68		12.43	
sum (SO ₄ , Cl, HCO ₃ +CO ₃)				2.89		3.93			3.35	
Sulfate					10.307		16.547		15.216	
Chloride					2.470		3.485		3.063	
Bicarbonate + Carbonate					87.223		79.969		81.721	

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

Data Collected from April 1, 2018 to June 30, 2018

Site ID	Downgradient to Waste Cells and North End Facilities																			
	MW-72 4/17/18			MW-74 4/19/18			MW-75 5/1/18			MW-80 4/23/18			MW-85 4/26/18			MW-86 4/16/18				
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.8			7.0			6.7			6.6			6.7			6.7		
Conductance			363			598			362			313			349			201		
TDSobs			214			336			232			197			214			122		
Calcium	40.1	2	32.1	1.601796	42.8	50.5	2.51996	39.8	30.1	1.501996	39.3	30.4	1.516966	46.2	31.5	1.571856	43.3	15.1	0.753493	38.1
Magnesium	24.3	2	19.7	1.621066	43.3	38.4	3.159844	49.9	21.9	1.802098	47.1	15.6	1.283686	39.1	19.5	1.604608	44.2	10.5	0.86402	43.7
Potassium	39.1	1	1.9	0.049619	1.3	2.2	0.057291	0.9	1.9	0.048851	1.3	1.7	0.042713	1.3	1.6	0.041178	1.1	1.3	0.032738	1.7
Sodium	23.0	1	8.5	0.36799	9.8	13.6	0.591567	9.3	9.1	0.395828	10.3	8.1	0.350591	10.7	9.6	0.415402	11.4	7.1	0.306658	15.5
Iron	55.8	2	2.54	0.090963	2.4	0.01	0.000179	0.0	1.97	0.07055	1.8	2.06	0.073773	2.2	0.01	0.000179	0.0	0.52	0.01873	0.9
Manganese	54.9	2	0.37	0.013506	0.4	0.00	1.82E-06	0.0	0.17	0.006262	0.2	0.33	0.012014	0.4	0.00	1.82E-06	0.0	0.02	0.000681	0.0
Ammonia-N	14.0	1	0.02	0.001157	0.0	0.00	7.14E-05	0.0	0.01	0.000593	0.0	0.01	0.0007	0.0	0.00	7.14E-05	0.0	0.00	7.14E-05	0.0
Total Cations (meq/L)				3.7		6.3		3.8		3.3	100.0		3.6		2.0					
Anions																				
Alkalinity, Total			130			233			107			113			127			68		
Carbonate	60.0	2	0.050448	0.001682	0.0	0.133697	0.004457	0.1	0.032987	0.0011	0.0	0.024666	0.000822	0.0	0.035709	0.00119	0.0	0.020964	0.000699	0.0
Bicarbonate	61.0	1	158.50	2.597927	73.7	283.99	4.654841	76.9	130.47	2.138578	60.8	137.81	2.258837	74.1	154.87	2.538427	74.0	82.92	1.359096	71.8
Chloride	35.5	1	6.1	0.171495	4.9	26.0	0.733365	12.1	9.3	0.262601	7.5	4.1	0.115928	3.8	9.0	0.254703	7.4	4.7	0.133698	7.1
Nitrate-N	14.0	1	0.01	0.000357	0.0	0.28	0.020133	0.3	0.01	0.000357	0.0	0.01	0.000357	0.0	0.11	0.007639	0.2	0.05	0.003434	0.2
Sulfate	96.1	2	36.3	0.755797	21.4	30.7	0.6392	10.6	53.6	1.115997	31.7	32.2	0.670431	22.0	30.2	0.628789	18.3	19.0	0.395596	20.9
Total Anions (meq/L)				3.5		6.1		3.5		3.0	100.0		3.4		1.9					
Total Ions (meq/L)				7.3		12.4		7.3		6.3			7.1		3.9					
Cation/Anion Ratio				1.06		1.05		1.09		1.08			1.06		1.04					
Percent Difference				3.0		2.2		4.2		3.7			2.9		2.2					
Trilinear Diagram Data																				
sum (Ca, Mg, Na+K)			3.64			6.33			3.75			3.19			3.63			1.96		
Calcium				44.00		39.82			40.07			47.49			43.27			38.50		
Magnesium				44.53		49.93			48.07			40.19			44.17			44.15		
Sodium + Potassium				11.47		10.25			11.86			12.31			12.57			17.34		
												100.0								
sum (SO ₄ , Cl, HCO ₃ +CO ₃)			3.53			6.03			3.52			3.05			3.42			1.89		
Sulfate				21.429		10.597			31.720			22.010			18.369			20.941		
Chloride				4.862		12.158			7.464			3.806			7.441			7.077		
Bicarbonate + Carbonate				73.708		77.245			60.816			74.184			74.190			71.982		
												100.0								

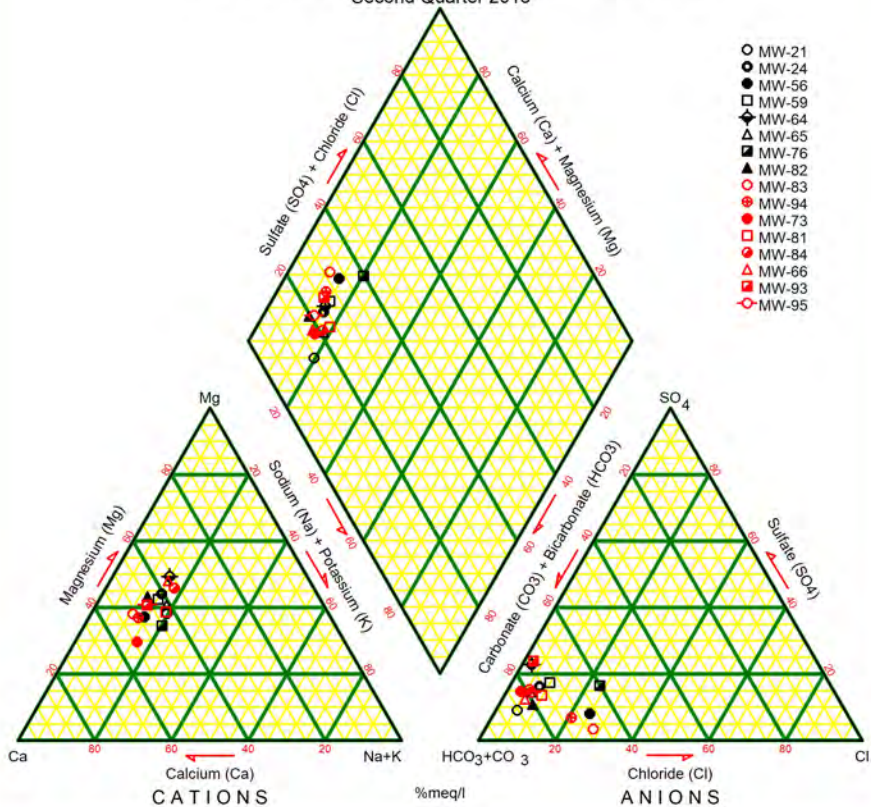
Table 4
Ion Balance Calculations
Cedar Hills Regional Landfill Quarterly and Semi-annual Regional Aquifer
Groundwater Monitoring

Data Collected from April 1, 2018 to June 30, 2018

Site ID	Downgradient to Waste Cells and North End Facilities													
	MW-87 4/25/18			MW-88 4/17/18			MW-89 4/19/18			MW-100 4/17/18				
Cations	MW	n	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH			6.9			6.8			7.0			6.8		
Conductance			511			127			211			326		
TDSobs			366			91			135			185		
Calcium	40.1	2	47.0	2.345309	41.8	9.4	0.467565	35.2	14.8	0.738523	34.5	29.2	1.457086	43.9
Magnesium	24.3	2	31.3	2.575602	45.9	7.1	0.58095	43.7	10.9	0.896935	41.9	16.5	1.357745	40.9
Potassium	39.1	1	2.4	0.061384	1.1	0.8	0.021663	1.6	1.5	0.038876	1.8	1.8	0.045526	1.4
Sodium	23.0	1	10.8	0.469774	8.4	5.9	0.258376	19.4	9.8	0.424102	19.8	9.7	0.423667	12.8
Iron	55.8	2	3.67	0.131431	2.3	0.01	0.000179	0.0	0.99	0.035526	1.7	0.83	0.029796	0.9
Manganese	54.9	2	0.59	0.02137	0.4	0.00	6.7E-06	0.0	0.21	0.007681	0.4	0.17	0.006262	0.2
Ammonia-N	14.0	1	0.01	0.000721	0.0	0.00	7.14E-05	0.0	0.02	0.001221	0.1	0.01	0.000928	0.0
Total Cations (meq/L)				5.6			1.3			2.1			3.3	
Anions														
Alkalinity, Total			100			53			73			138		
Carbonate	60.0	2	0.051146	0.001705	0.0	0.021912	0.00073	0.1	0.042863	0.001429	0.1	0.056075	0.001869	0.1
Bicarbonate	61.0	1	121.90	1.997994	34.7	64.25	1.053111	82.5	88.97	1.458351	74.0	168.25	2.757715	86.0
Chloride	35.5	1	11.9	0.335656	5.8	1.9	0.052182	4.1	8.6	0.243703	12.4	3.3	0.093645	2.9
Nitrate-N	14.0	1	0.08	0.005733	0.1	0.65	0.04662	3.7	0.01	0.000357	0.0	0.01	0.000357	0.0
Sulfate	96.1	2	164.0	3.414618	59.3	6.0	0.124509	9.7	12.8	0.266507	13.5	16.9	0.351872	11.0
Total Anions (meq/L)				5.8			1.3			2.0			3.2	
Total Ions (meq/L)				11.4			2.6			4.1			6.5	
Cation/Anion Ratio				0.97			1.04			1.09			1.04	
Percent Difference				-1.3			2.0			4.2			1.8	
Trilinear Diagram Data														
sum (Ca, Mg, Na+K)				5.45			1.33			2.10			3.28	
Calcium					43.02			35.19			35.19			44.37
Magnesium					47.24			43.73			42.74			41.34
Sodium + Potassium					9.74			21.08			22.06			14.29
sum (SO ₄ , Cl, HCO ₃ +CO ₃)				5.75			1.23			1.97			3.21	
Sulfate					59.385			10.118			13.528			10.979
Chloride					5.838			4.241			12.371			2.922
Bicarbonate + Carbonate					34.778			85.641			74.101			86.100

Cedar Hills Regional Landfill

Figure 5. Regional Aquifer Upgradient and Crossgradient Wells
Second Quarter 2018



Cedar Hills Regional Landfill
 Figure 6. Regional Aquifer Downgradient Wells
 Second Quarter 2018

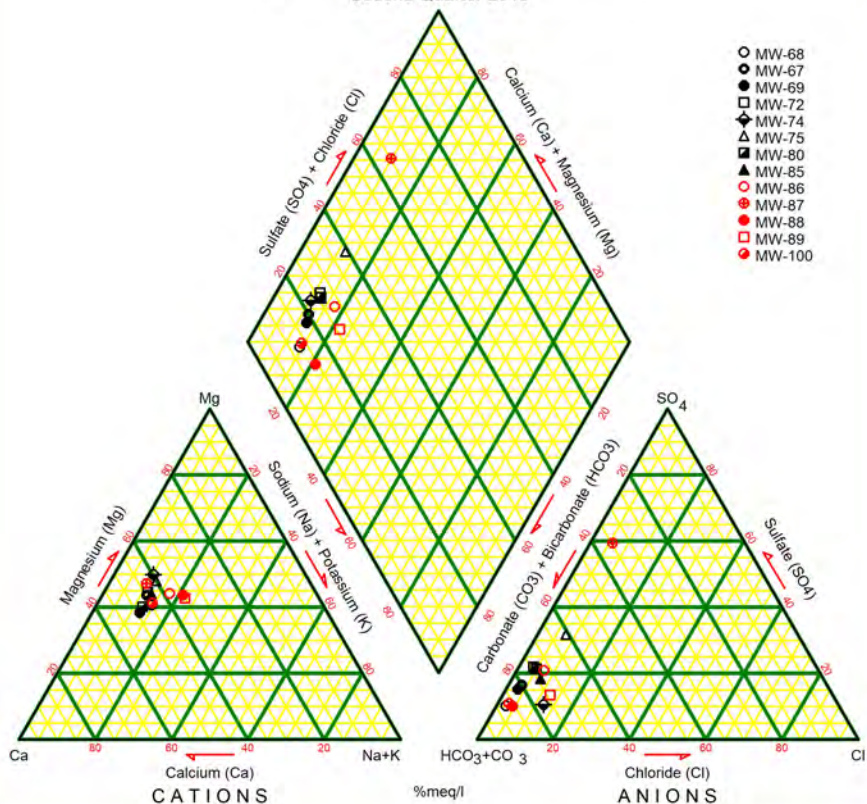


TABLE 5
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY MONITORING WELLS
SUMMARY OF WAC 173-351 APPENDIX I INTRAWELL PREDICTION LIMIT VALUES

(Data Collected from April 1, 2018 - June 30, 2018)

Well	Parameter	Units	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	Cr-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L
Upgradient and Crossgradient Wells																						
MW-21	Limit		0.001	0.00111	0.005323	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	1.9	0.2	0.2	0.2	0.02
	Result		< 0.0003	0.000974	0.00449	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000137	< 0.0005	< 0.00004	< 0.0001	< 0.000075	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-24	Limit		0.001	0.001	0.002127	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	1	0.39	0.2	0.2	0.02
	Result		< 0.0003	0.000591	0.00193	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	< 0.0001	< 0.0005	< 0.00004	< 0.0001	< 0.000075	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-56	Limit		0.001	0.0025	0.0478	0.001	0.002	0.00755	0.00389	0.0154	0.0033	0.01	0.001	0.00694	0.001	0.0178	0.0478	2.78	1.857244	0.2	0.2	0.02
	Result		< 0.0003	8.44E-05	0.00429	< 0.0001	< 0.00005	< 0.0002	9.34E-05	0.000219	< 0.0001	0.000393	< 0.0005	< 0.00004	< 0.0001	0.000212	0.00164	1.33	1.30	< 0.1	< 0.1	< 0.01
MW-59	Limit		0.001	0.001	0.00548	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	0.000424	0.00383	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000503	0.000123	0.000201	< 0.0005	< 0.00004	< 0.0001	< 0.000075	0.00316	0.017	1.25	< 0.1	< 0.1	< 0.01
MW-64	Limit		0.001	0.01	0.018047	0.001	0.002	0.005	0.00347	0.00512	0.001	0.0153	0.001	0.003	0.001	0.00606	0.0385	0.121	0.2	0.2	0.2	0.2
	Result		0.000489	0.00775	0.0244	< 0.0001	0.000479	0.000395	0.00385	0.00171	< 0.0001	0.0128	< 0.0005	< 0.00004	< 0.0001	0.00146	0.00422	0.016	< 0.1	< 0.1	< 0.1	< 0.01
MW-65	Limit		0.001	0.00242	0.00829	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.055	0.2	0.2	0.2	0.125823
	Result		< 0.0003	0.000843	0.00667	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000222	< 0.0001	0.000139	< 0.0005	< 0.00004	< 0.0001	< 0.000075	0.000756	0.012	< 0.1	< 0.1	< 0.1	0.03
MW-66	Limit		0.001	0.001	0.00649	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.004	0.881329	0.2	0.2	0.2	0.02
	Result		< 0.0003	0.000651	0.00518	< 0.0001	< 0.00005	0.000228	< 0.00005	< 0.0002	< 0.0001	0.000222	0.0009	< 0.00004	< 0.0001	0.000706	0.00152	0.54	< 0.1	< 0.1	< 0.1	< 0.01
MW-68	Limit		0.001	0.495195	0.0197	0.001	0.002	0.005	0.003	0.00737	0.001	0.01	0.001	0.003	0.001	0.0037	0.004	0.13	0.2	0.2	0.2	0.02
	Result		< 0.0003	0.0161	0.0106	< 0.0001	< 0.00005	0.000213	0.000234	0.000507	< 0.0001	0.000616	< 0.0005	< 0.00004	< 0.0001	0.000332	0.000809	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-73	Limit		0.001	0.001	0.0225	0.001	0.002	0.005	0.003	0.00363	0.001	0.01	0.001	0.003	0.001	0.002	0.004	2.01	0.2	0.2	0.2	0.02
	Result		< 0.0003	0.00034	0.003	< 0.0001	< 0.00005	0.00033	< 0.00005	0.00232	< 0.0001	0.000426	< 0.0005	< 0.00004	< 0.0001	0.00089	0.000666	0.458	< 0.1	< 0.1	< 0.1	< 0.01
MW-76	Limit		0.001	0.001	0.004549	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	4.06875	2.568972	0.670269	14.63846	0.02
	Result		< 0.0003	0.000186	0.00351	< 0.0001	< 0.00005	0.000731	5.24E-05	0.00116	< 0.0001	0.000372	< 0.0005	< 0.00004	< 0.0001	0.000584	< 0.0005	1.65	0.40	0.409	8.05	< 0.01
MW-81	Limit		0.001	0.001	0.00487	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.00253	0.00895	1.77	0.2	0.2	0.2	0.02
	Result		< 0.0003	0.000548	0.00312	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000108	0.000869	< 0.00004	< 0.0001	0.00169	0.000839	1.34	< 0.1	< 0.1	< 0.1	< 0.01
MW-82	Limit		0.001	0.001	0.004789	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	1.40957	0.2	0.2	8.9	0.02
	Result		< 0.0003	0.000249	0.00131	< 0.0001	< 0.00005	0.00102	< 0.00005	0.00026	< 0.0001	0.00174	< 0.0005	< 0.00004	< 0.0001	0.00131	0.000768	0.658	< 0.1	< 0.1	5.28	< 0.01
MW-83	Limit		0.001	0.001	0.011036	0.001	0.002	0.005	0.003	0.00549	0.001	0.01	0.001	0.003	0.001	0.002	0.004	4.107705	0.2	0.2	3.033524	0.02
	Result		< 0.0003	0.000309	0.00648	< 0.0001	< 0.00005	< 0.0002	0.000105	0.00215	< 0.0001	0.00158	< 0.0005	< 0.00004	< 0.0001	0.000779	0.000594	1.34	< 0.1	< 0.1	1.86	< 0.01
MW-84	Limit		0.001	0.001	0.00408	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.739614	0.2	0.2	0.2	0.02
	Result		< 0.0003	0.00037	0.00403	< 0.0001	< 0.00005	< 0.0002	5.43E-05	< 0.0002	< 0.0001	0.000364	0.000522	< 0.00004	< 0.0001	0.00056	0.0006	0.166	< 0.1	< 0.1	< 0.1	< 0.01
MW-93	Limit		0.001	0.001435	0.009592	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00231	0.0112	0.21	0.2	0.2	0.2	0.02
	Result		< 0.0003	0.00135	0.00784	< 0.0001	< 0.00005	< 0.0002	0.000105	< 0.0002	< 0.0001	0.000222	< 0.0005	< 0.00004	< 0.0001	0.00212	0.00197	0.015	< 0.1	< 0.1	< 0.1	< 0.01
MW-94	Limit		0.001	0.001	0.005034	0.001	0.002	0.005	0.003	0.0051	0.001	0.01	0.001	0.003	0.001	0.002	0.004	2.295128	0.2	0.2	4.706212	0.02
	Result		< 0.0003	0.000146	0.00252	< 0.0001	< 0.00005	0.000217	7.42E-05	0.00125	< 0.0001	0.000532	< 0.0005	< 0.00004	< 0.0001	0.0011	0.000511	2.71	< 0.1	< 0.1	2.79	< 0.01
MW-95	Limit		0.001	0.00109	0.004505	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.01	0.2	0.2	0.2	0.02
	Result		< 0.0003	0.00109	0.00407	< 0.0001	< 0.00005	< 0.0002	7.77E-05	< 0.0002	< 0.0001	0.000188	< 0.0005	< 0.00004	< 0.0001	0.000372	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01

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

TABLE 5
CEDAR HILLS REGIONAL LANDFILL REGIONAL AQUIFER QUARTERLY MONITORING WELLS
SUMMARY OF WAC 173-351 APPENDIX I INTRAWELL PREDICTION LIMIT VALUES

(Data Collected from April 1, 2018 - June 30, 2018)

Parameter		Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Cobalt	Total Copper	Total Lead	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Vanadium	Total Zinc	Nitrate as N	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
		Downgradient																			
MW-67	Limit	0.001	0.00168	0.016008	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	3.4	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.0011	0.0142	< 0.0001	< 0.00005	< 0.0002	0.000273	0.000285	< 0.0001	0.000484	< 0.0005	< 0.00004	< 0.0001	0.000594	0.000629	0.112	< 0.1	< 0.1	< 0.1	< 0.01
MW-69	Limit	0.001	0.00386	0.014394	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.0112	0.076	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00237	0.0113	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	< 0.0001	< 0.0005	< 0.00004	< 0.0001	8.25E-05	0.000748	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-72	Limit	0.001	0.001	0.0156	0.001	0.002	0.005	0.003	0.00331	0.00104	0.01	0.001	0.003	0.001	0.002	0.0201	0.15	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000255	0.0143	< 0.0001	< 0.00005	0.000446	7.36E-05	0.00162	0.000579	0.000325	< 0.0005	< 0.00004	< 0.0001	0.000374	0.0129	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-74	Limit	0.001	0.001	0.0171	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00104	0.003	0.001	0.002	0.004	0.487	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000389	0.0141	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000259	< 0.0001	0.00106	0.000754	< 0.00004	< 0.0001	0.000612	0.00108	0.282	< 0.1	< 0.1	< 0.1	< 0.01
MW-75	Limit	0.001	0.001	0.013432	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	0.11	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.000456	0.011	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	< 0.0001	< 0.0005	< 0.00004	< 0.0001	< 0.000075	< 0.0005	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-80	Limit	0.001	0.0392	0.023	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.0117	0.028	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00494	0.0144	< 0.0001	< 0.00005	0.000798	< 0.00005	0.000295	< 0.0001	0.000541	< 0.0005	< 0.00004	< 0.0001	0.000125	0.00129	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-85	Limit	0.001	0.001	0.00708	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.00132	0.003	0.001	0.002	0.004	1.63	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00071	0.00657	< 0.0001	< 0.00005	< 0.0002	< 0.00005	0.000345	< 0.0001	0.000167	0.00104	< 0.00004	< 0.0001	0.000915	< 0.0005	0.107	< 0.1	< 0.1	< 0.1	< 0.01
MW-86	Limit	0.001	0.00969	0.00668	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.0017	0.003	0.001	0.002	0.004	1.705935	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.0132	0.00723	< 0.0001	< 0.00005	0.000215	0.000126	< 0.0002	< 0.0001	0.000199	< 0.0005	< 0.00004	< 0.0001	0.00161	0.000838	0.0481	< 0.1	< 0.1	< 0.1	< 0.01
MW-87	Limit	0.001	0.02732	0.04094	0.001	0.002	0.005	0.003	0.00347	0.001	0.01	0.001	0.003	0.001	0.00468	0.004	0.24	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00211	0.0257	< 0.0001	< 0.00005	< 0.0002	0.000145	< 0.0002	< 0.0001	0.000139	< 0.0005	< 0.00004	< 0.0001	0.000373	0.000697	0.0803	< 0.1	< 0.1	< 0.1	< 0.01
MW-88	Limit	0.001	0.00104	0.002467	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00277	0.004	1.7	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00103	0.00221	< 0.0001	< 0.00005	0.000652	< 0.00005	< 0.0002	< 0.0001	< 0.0001	0.000612	< 0.00004	< 0.0001	0.00281	< 0.0005	0.653	< 0.1	< 0.1	< 0.1	< 0.01
MW-89	Limit	0.001	0.0266	0.0256	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.0303	0.095	0.2	0.2	0.2	0.04
	Result	< 0.0003	0.00356	0.00787	< 0.0001	< 0.00005	< 0.0002	< 0.00005	< 0.0002	< 0.0001	0.000147	< 0.0005	< 0.00004	< 0.0001	0.000149	0.00211	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01
MW-100	Limit	0.001	0.022665	0.0121	0.001	0.002	0.005	0.003	0.00226	0.001	0.01	0.001	0.003	0.001	0.002	0.00922	0.26	0.2	0.2	0.2	0.02
	Result	< 0.0003	0.00493	0.00893	< 0.0001	< 0.00005	0.000246	0.000548	0.000612	0.000139	0.000999	< 0.0005	< 0.00004	< 0.0001	0.000161	0.00554	< 0.01	< 0.1	< 0.1	< 0.1	< 0.01

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

TABLE 6
CEDAR HILLS REGIONAL LANDFILL
VOLATILE ORGANIC COMPOUND DETECTIONS IN REGIONAL AQUIFER WELLS
(Data Collected from April 1, 2018 - June 30, 2018)

Analyte	Site ID	Date	Sample ID	Sample Value (ug/L)
Upgradient and Crossgradient Wells				
Carbon Disulfide	MW-21	4/13/2018	W21-180413-	0.281
	MW-24	04/13/18	W24-180413-	0.12 JT
	MW-59	04/12/18	W59-180412-	0.17 JT
	MW-95	04/16/18	W95-180416-	0.11 JT
cis-1,2,-Dichloroethene	MW-56	4/12/2018	W56-180412-	1.3
	MW-59	4/12/2018	W59-180412-	1.25
	MW-76	4/16/2018	W76-180416-	0.403
Tetrachloroethene	MW-76	4/16/2018	W76-180416-	0.409
Trichloroethene	MW-76	4/16/2018	W76-180416-	8.05
	MW-82	4/13/2018	W82-180413-	5.28
	MW-83	4/16/2018	W83-180416-	1.86
	MW-94	4/16/2018	W94-180416-	2.79
Vinyl Chloride	MW-65	4/23/2018	W65-180423-	0.028
Wells Downgradient to Waste Cells and North end Facilities				
No Detections this Quarter				

TABLE 7
SUMMARY OF EXCEEDANCES OF WAC 173-200-040
WATER QUALITY STANDARDS FOR GROUND WATERS OF THE STATE OF WASHINGTON

CEDAR HILLS REGIONAL LANDFILL PERCHED ZONES
(Data Collected from April 1, 2018 - June 30, 2018)

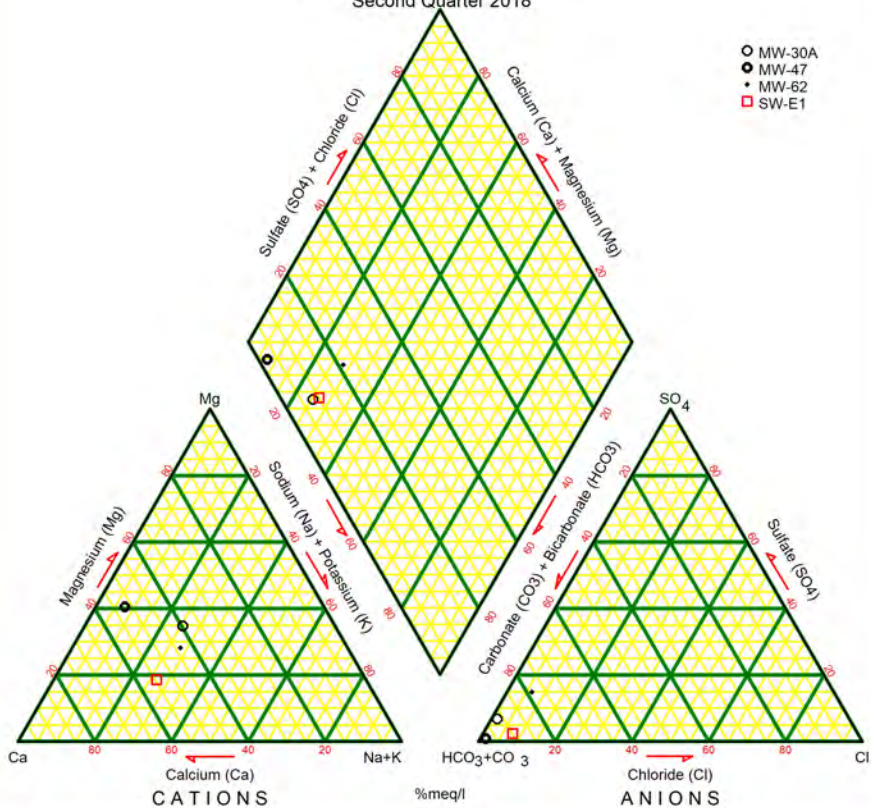
Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value
East Perched Zone Wells					
pH (Field)	pH Units	MW-30A	05/01/2018	W30A180501-	6.18
		MW-62	05/03/2018	W62-180503-	6.37
1,1-Dichloroethane	µg/L	MW-30A	05/01/2018	W30A180501-	2.07
		MW-62	05/03/2018	W62-180503-	2.16
Arsenic, Total	mg/L	MW-30A	05/01/2018	W30A180501-	0.000501
		MW-47	05/01/2018	W47-180501-	0.00472
		MW-62	05/03/2018	W62-180503-	0.000439
Iron, Dissolved	mg/L	MW-47	05/01/2018	W47-180501-	4.38
Manganese, Dissolved	mg/L	MW-47	05/01/2018	W47-180501-	3.87 D
Nitrate	mg/l	MW-30A	05/01/2018	W30A180501-	16
Vinyl Chloride	µg/L	MW-47	05/01/2018	W47-180501-	5.13
South Solid Waste Area Perched Wells					
pH (Field)	pH Units				None.
Arsenic, Total	mg/L	MW-101	04/30/2018	W101180430-	0.00257
Bis (2-Ethylhexyl)	µg/L	MW-101	04/30/2018	W101180430-	34.7 DJ
Manganese, Dissolved	mg/L	MW-101	04/30/2018	W101180430-	1.14
Vinyl Chloride	µg/L	MW-101	04/30/2018	W101180430-	0.223

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

Data Collected from April 1, 2018 to June 30, 2018

Site ID Date	East Perched Zone												SSWA			
	MW-30A 5/1/18			MW-47 5/1/18			MW-62 5/3/18			SW-E1 4/30/18			MW-101 4/30/18			
Molecular Cations	Weight	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)	mg/L	meq/L	%(meq)
pH		6.2			6.8			6.4			6.6			7.2		
Conductance		250			835			200			48			460		
TDSobs		224			698			159			50			348		
Calcium	40.1	23.9	1.19261	39.7	140.0	6.98603	50.7	21.4	1.06786	43.6	1.2	0.0594	11.3	57.2	2.85429	43.8
Magnesium	24.3	12.7	1.04505	34.8	66.4	5.4639	39.7	8.4	0.68875	28.1	5.1	0.423	80.6	34.1	2.80601	43.1
Potassium	39.1	1.5	0.03888	1.3	4.6	0.11714	0.9	1.1	0.02916	1.2	0.1	0.0013	0.3	3.0	0.07647	1.2
Sodium	23.0	16.7	0.72641	24.2	20.7	0.9004	6.5	15.2	0.66116	27.0	0.5	0.0201	3.8	16.9	0.73511	11.3
Iron	55.8	0.0	0.00018	0.0	4.4	0.15686	1.1	0.0	0.00018	0.0	0.5	0.0186	3.5	0.0	0.00096	0.0
Manganese	54.9	0.0	1.8E-06	0.0	3.9	0.14089	1.0	0.0	1.8E-06	0.0	0.1	0.0022	0.4	1.1	0.0415	0.6
Ammonia-N	14.0	0.0	7.1E-05	0.0	0.1	0.00501	0.0	0.0	7.1E-05	0.0	0.0	0.0003	0.1	0.0	0.00047	0.0
Total Cations (meq/L)		3.0			13.8			2.4			0.5			6.5		
Anions																
Alkalinity, Total		78.8			622			83.7			19.8			305		
Carbonate	60.0	0.00717	0.00024	0.0	0.23588	0.00786	0.1	0.0118	0.00039	0.0	0.004631	0.0002	0.0	0.29701	0.0099	0.2
Bicarbonate	61.0	96.12	1.57552	55.1	758.36	12.4303	97.7	102.09	1.67335	71.1	24.15	0.3958	75.1	371.50	6.08918	97.2
Chloride	35.5	0.9	0.02437	0.9	6.2	0.1746	1.4	4.9	0.13708	5.8	0.0	0.0008	0.2	3.0	0.08377	1.3
Nitrate-N	14.0	16.0	1.14229	39.9	0.0	0.00036	0.0	3.2	0.22632	9.6	1.1	0.0757	14.4	0.0	0.00093	0.0
Sulfate	96.1	5.6	0.11743	4.1	5.5	0.11535	0.9	15.2	0.31648	13.4	2.6	0.0548	10.4	4.0	0.08308	1.3
Total Anions (meq/L)		2.9			12.7			2.4			0.5			6.3		
Total Ions (meq/L)		5.9			26.5			4.8			1.1			12.8		
Cation/Anion Ratio		1.05			1.08			1.04			1.00			1.04		
Percent Difference		2.4			3.9			1.9			0.2			2		
TRILINEAR DIAGRAM DATA																
sum (Ca, Mg, Na+K)		3.00			13.47			2.45			0.50			6.47		
Calcium				39.7			51.9			43.64			11.79			44.10
Magnesium				34.8			40.6			28.15			83.96			43.36
Sodium + Potassium				25.5			7.6			28.21			4.25			12.54
										100.0			100.0			
sum (SO ₄ , Cl, HCO ₃ +CO ₃)		1.72			12.73			2.13			0.45			6.27		
Sulfate				6.8			0.9			14.9			12.1			1.3
Chloride				1.4			1.4			6.4			0.2			1.3
Bicarbonate + Carbonate				91.7			97.7			78.7			87.7			97.3
										100.0			100.0			

Cedar Hills Regional Landfill
 Figure 7. East Perched Zone Wells
 Second Quarter 2018



Cedar Hills Regional Landfill
 Figure 8. South Perched Zone Wells
 Second Quarter 2018

● MW-101

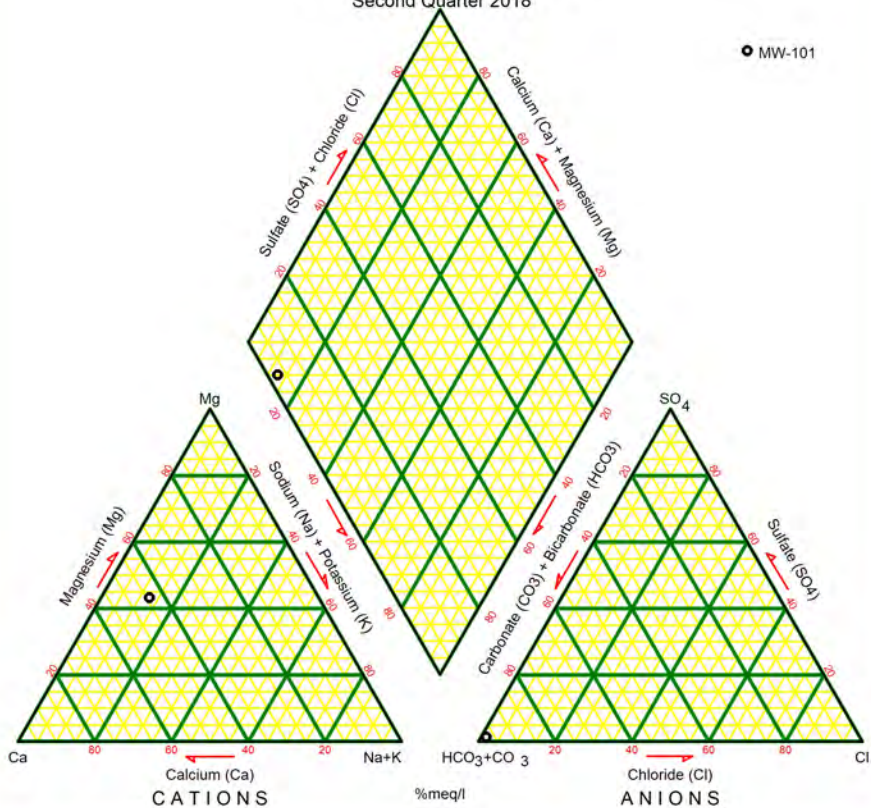


TABLE 9
CEDAR HILLS REGIONAL LANDFILL PERCHED ZONES MONITORING WELLS
SUMMARY OF WAC 173-351 APPENDIX I INTRAWELL PREDICTION LIMIT VALUES
(Data Collected from April 1, 2018 - June 30, 2018)

Parameter	Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Cobalt	Total Copper	Total Lead	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Vanadium	Total Zinc	Nitrate as N	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	
Well	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
East Perched Zone Wells																								
MW-30A	Limit	0.001	0.001	0.0077	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.00307	0.0188	14	6.90	0.20	0.23	13.76	0.20	1.63	0.03
	Result	< 0.0003	0.0005	0.0040	< 0.0001	< 0.00005	0.0013	< 0.00005	0.000274	< 0.0001	0.000919	< 0.0005	< 0.00004	< 0.0001	0.00211	0.000984	16	2.07	< 0.1	< 0.1	2.29	< 0.1	1.08	< 0.01
MW-47	Limit	0.001	0.0113	0.0458	0.001	0.002	0.005	0.003	0.0105	0.00143	0.01	0.001	0.003	0.001	0.00307	0.168	0.024	0.89	0.20	0.16	5.28	0.20	0.20	8.64
	Result	< 0.0003	0.0047	0.0361	< 0.0001	< 0.00005	< 0.0002	0.000446	< 0.0002	< 0.0001	0.00205	< 0.0005	< 0.00004	< 0.0001	0.000144	0.000554	< 0.01	0.84	< 0.1	0.20	4.32	0.14	< 0.1	5.13
MW-62	Limit	0.001	0.001	0.0033	0.001	0.002	0.005	0.003	0.002	0.001	0.01	0.001	0.003	0.001	0.002	0.004	7.7	15.16	6.10	0.20	16.26	0.21	0.47	0.23
	Result	< 0.0003	0.0004	0.0014	< 0.0001	< 0.00005	0.00028	< 0.00005	0.00039	< 0.0001	0.000406	< 0.0005	< 0.00004	< 0.0001	0.00165	< 0.0005	3.17	2.16	< 0.1	< 0.1	6.24	< 0.1	0.14	< 0.01
South Solid Waste Area Wells																								
MW-101	Limit	0.001	0.028	0.0378	0.001	0.002	0.005	0.003	0.00416	0.00109	0.01	0.001	0.003	0.001	0.0039	0.00729	0.059	0.21	0.20	0.22	0.23	0.20	0.20	0.96
	Result	< 0.0003	0.00257	0.0265	< 0.0001	< 0.00005	0.000307	0.00029	0.00106	< 0.0001	0.00398	< 0.0005	< 0.00004	< 0.0001	0.000994	0.00249	0.013	0.16	< 0.1	0.18	0.23	< 0.1	< 0.1	0.22
Results greater than Limit Value in RED Bold																								

TABLE 10
CEDAR HILLS REGIONAL LANDFILL
VOLATILE ORGANIC COMPOUND DETECTIONS IN PERCHED ZONE WELLS
(Data Collected from April 1, 2018 - June 30, 2018)

Analyte	Site ID	Date	Sample ID	Sample Value (ug/L)
East Perched Zone Wells				
1,1-Dichloroethane	MW-30A	5/1/2018	W30A180501-	2.07
	MW-47	5/1/2018	W47-180501-	0.836
	MW-62	5/3/2018	W62-180503-	2.16
1,2-Dichloroethane	MW-47	5/1/2018	W47-180501-	0.2
1,2-Dichloropropane	MW-62	5/3/2018	W62-180503-	0.11 JT
Benzene	MW-47	5/1/2018	W47-180501-	0.11 JT
Chloroethane	MW-47	5/1/2018	W47-180501-	0.247
cis-1,2,-Dichloroethene	MW-30A	5/1/2018	W30A180501-	2.29
	MW-47	5/1/2018	W47-180501-	4.32
	MW-62	5/3/2018	W62-180503-	6.24
Dichlorodifluoromethane	MW-47	5/1/2018	W47-180501-	3.89
Tetrachloroethene	MW-30A	5/1/2018	W30A180501-	0.12 JT
Trans-1,2-Dichloroethene	MW-47	5/1/2018	W47-180501-	0.14 JT
Trichloroethene	MW-30A	5/1/2018	W30A180501-	1.08
	MW-62	5/3/2018	W62-180503-	0.14 JT
Vinyl Chloride	MW-47	05/01/18	W47-180501-	5.13
South Solid Waste Area Perched Wells				
1,1-Dichloroethane	MW-101	4/30/2018	W101180430-	0.16 JT
1,2-Dichloroethane	MW-101	4/30/2018	W101180430-	0.18 JT
Chloroethane	MW-101	4/30/2018	W101180430-	0.14 JT
cis-1,2,-Dichloroethene	MW-101	4/30/2018	W101180430-	0.227
Vinyl Chloride	MW-101	4/30/2018	W101180430-	0.223

See Data Qualifier List for Qualifier Information.

Table 11
Storm & Surface Water Monitoring Activities 2nd Quarter 2018

Station ID	Date	Planned Activity	Sample ID	Comment
SW-GS1	4/4/2018	NPDES Permit Sample	SGS1180404P	
SW-SL3	4/4/2018	NPDES Permit Sample	SSL3180404P	
SW-N4	4/4/2018	NPDES Permit Sample	SN4-180404P	
Field Blank	4/4/2018	QA/QC Sample	SSL3180404F	
SW-TD1	--	Area 5 Top Deck Monitoring	--	No flow, no sample taken.
SW-TD2	--	Area 5 Top Deck Monitoring	--	No flow, no sample taken.
SW-TD4	--	Area 5 Top Deck Monitoring	--	No flow, no sample taken.
SW-TD6	--	Area 5 Top Deck Monitoring	--	No flow, no sample taken.
SW-E1	4/30/2018	East Perched Zone SW Monitoring	SE1-180430Q	Appendix III analyte list.
SW-EMER	5/24/2018	Emergency Sample	SWET180524E	
Stream Gauges	4/6/2018	Monthly Stream Gauge Level Measurement	--	
Stream Gauges	5/2/2018	Monthly Stream Gauge Level Measurement	--	
Stream Gauges	6/20/2018	Monthly Stream Gauge Level Measurement	--	

TABLE 12
CEDAR HILLS LANDFILL
SUMMARY OF INDUSTRIAL STORMWATER GENERAL PERMIT EXCEEDANCES
(Data Collected from April 1, 2018 - June 30, 2018)

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

*ISGP - Industrial General Stormwater Permit

CEDAR HILLS LANDFILL
SUMMARY OF CONSTRUCTION STORMWATER GENERAL PERMIT EXCEEDANCES
(Data Collected from April 1, 2018 - June 30, 2018)

Parameter	Units	Sampling Location	Date	Value	Regulatory Limit	Type
Turbidity	NTU	C-4 (CHL)	4/16/2018	146.5	25	Benchmark
Turbidity	NTU	C-4 (CHL)	4/17/2018	101	25	Benchmark
Turbidity	NTU	C-4 (CHL)	4/18/2018	91.1	25	Benchmark
Turbidity	NTU	C-4 (CHL)	4/19/2018	28	25	Benchmark
Turbidity	NTU	C-1	4/9/2018	89.9	25	Benchmark
Turbidity	NTU	C-1	4/10/2018	29.8	25	Benchmark
Turbidity	NTU	C-1	4/11/2018	27.5	25	Benchmark
Turbidity	NTU	C-1	4/12/2018	38.4	25	Benchmark
Turbidity	NTU	C-1	4/13/2018	47	25	Benchmark
Turbidity	NTU	C-1	4/16/2018	40.7	25	Benchmark
Turbidity	NTU	C-1	4/17/2018	137	25	Benchmark
Turbidity	NTU	C-1	4/18/2018	32.8	25	Benchmark
Turbidity	NTU	C-1	4/19/2018	30.7	25	Benchmark

TABLE 13
CEDAR HILLS REGIONAL LANDFILL
VOLATILE ORGANIC COMPOUND DETECTIONS IN BLANKS
(Data Collected from April 1, 2018 - June 30, 2018)

Analyte	Site ID	Date	Sample ID	Sample Value (ug/L)
2-Butanone	FIELD BLANK	04/18/18	W81-180418F	20.5
Carbon Disulfide	FIELD BLANK	04/18/18	W81-180418F	0.255
Toluene	FIELD BLANK	04/18/18	W81-180418F	0.11 JT

See Data Qualifier List for Qualifier Information.

**Table 14
Groundwater Quality Criteria**

Analyte	CAS No.	Ground Water Quality Criteria Criterion*	
I. PRIMARY AND SECONDARY CONTAMINANTS AND RADIONUCLIDES			
A. Primary Contaminants			
Barium	7440-39-3	1.0	mg/L
Cadmium	7440-43-9	0.005	mg/L
Chromium	7440-47-3	0.05	mg/L
Lead	7439-92-1	0.015	mg/L
Mercury	7439-97-6	0.002	mg/L
Selenium	7782-49-2	0.01	mg/L
Silver	7440-22-4	0.05	mg/L
Fluoride	16984-48-8	4.0	mg/L
Nitrate	14797-55-8	10.0	mg/L
Endrin	72-20-8	0.2	ug/L
Methoxychlor	72-43-5	40	ug/L
1,1,1-Trichloroethane	71-55-6	200	ug/L
2,4-D	94-75-7	70	ug/L
2,4,5-TP	93-72-1	100	ug/L
Total Coliforms		1/100	mL
B. Secondary Standards			
Copper	7440-50-8	1.0	mg/L
Iron	7439-89-6	0.3	mg/L
Manganese	7439-96-5	0.05	mg/L
Zinc	7440-66-6	5.0	mg/L
Chloride	16887-00-6	250	mg/L
Sulfate	14808-79-8	250	mg/L
Total Dissolved Solids		500	mg/L
Foaming Agents		0.5	mg/L
pH	12408-02-5	6.5-8.5	units
Corrosivity		non-corrosive	
Color		15	units
Odor-Threshold		3	units
C. Radionuclides and Radioactivity			
Gross Alpha particle activity		15	pCi/L
Gross Beta particle activity		50	pCi/L
Tritium	10028-17-8	20,000	pCi/L
Strontium	7440-24-6	8	pCi/L
Radium 226 & Radium 228		5	pCi/L
Radium 226	13982-63-3	3	pCi/L
II. CARCINOGENS			
1,1-Dichloroethane	75-34-3	1	ug/L
1,2-Dichloroethane	107-06-2	0.5	ug/L
1,2-Dichloropropane	78-87-5	0.6	ug/L
1,2-Dimethylhydrazine	540-73-8	60	ug/L
1,2-Diphenylhydrazine	122-66-7	0.09	ug/L
1,3-Dichloropropene tot.	542-75-6	0.2	ug/L
1,4-Dichlorobenzene	106-46-7	4	ug/L
1,4-Dioxane	123-91-1	7	ug/L
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	0.000006	ug/L
2,4,6-Trichlorophenol	88-06-2	4.0	ug/L
2,4-Dinitrotoluene	121-14-2	0.1	ug/L
2,4-Toluenediamine	95-80-7	0.002	ug/L
2,6-Dinitrotoluene	606-20-2	0.1	ug/L
2-Methoxy-5-nitroanaline	99-59-2	2.0	ug/L
2-Methylaniline	95-53-4	0.2	ug/L
2-Methylaniline hydrochloride	636-21-5	0.5	ug/L
3,3'-Dichlorobenzidine	91-94-1	0.2	ug/L
3,3'-Dimethoxybenzidine	119-90-4	6.0	ug/L
3,3'-Dimethylbenzidine	119-93-7	0.007	ug/L
4,4'-Methylene bis(N,N'-dimethyl) aniline	101-61-1	2.0	ug/L
4-Chloro-2-methyl analine	95-69-2	0.1	ug/L
4-Chloro-2-methyl analine hydrochloride	3165-93-3	0.2	ug/L
Acrylamide	79-06-1	0.02	ug/L
Acrylonitrile	107-13-1	0.07	ug/L
Aldrin	309-00-2	0.005	ug/L
Aniline	62-53-3	14	ug/L
Aramite	140-57-8	3	ug/L
Arsenic	7440-38-2	0.00005	mg/L
Azobenzene	103-33-3	0.7	ug/L
Benzene	71-43-2	1	ug/L

**Table 14
Groundwater Quality Criteria**

Analyte	CAS No.	Ground Water Quality Criteria Criterion*	
Benzidine	92-87-5	0.0004	ug/L
Benzo(a)pyrene	50-32-8	0.008	ug/L
Benzotrichloride	98-07-7	0.007	ug/L
Benzyl chloride	100-44-7	0.5	ug/L
Bis(2-ethylhexyl)phthalate	117-81-7	6	ug/L
Bis(chloroethyl)ether	111-44-4	0.07	ug/L
Bis(chloromethyl)ether	542-88-1	0.0004	ug/L
Bromodichloromethane	75-27-4	0.3	ug/L
Bromoform	75-25-2	5	ug/L
Carbazole	86-74-8	5	ug/L
Carbon Tetrachloride	56-23-5	0.3	ug/L
Chlordane	5103-71-9	0.06	ug/L
Chlorodibromomethane	124-48-1	0.5	ug/L
Chloroform	67-66-3	7	ug/L
Chlorthalamil	1897-45-6	30	ug/L
DDT (includes DDE and DDD)	50-29-3, 72-55-9, 72-54-8	0.3	ug/L
Diallate	2303-16-4	1	ug/L
Dichlorovos	62-73-7	0.3	ug/L
Dieldrin	60-57-1	0.005	ug/L
Direct Black 38	1937-37-7	0.009	ug/L
Direct Blue 6	2602-46-2	0.009	ug/L
Direct Brown 95	16071-86-6	0.009	ug/L
Epichlorohydrin	106-89-8	8	ug/L
Ethyl acrylate	140-88-5	2	ug/L
Ethylene dibromide	106-93-4	0.001	ug/L
Ethylene thiourea	96-45-7	2	ug/L
Folpet	133-07-3	20	ug/L
Furazolidone	67-45-8	0.02	ug/L
Furium	531-82-8	0.002	ug/L
Furmecyclox	60568-05-0	3	ug/L
Heptachlor	76-44-8	0.02	ug/L
Heptachlor epoxide	1024-57-3	0.009	ug/L
Hexachlorobenzene	118-74-1	0.05	ug/L
Hexachlorocyclohexane (alpha)	319-84-6	0.001	ug/L
Hexachlorocyclohexane (technical)	608-73-1	0.05	ug/L
Hexachlorodibenzo-p-dioxin, mix	34465-46-8	0.00001	ug/L
Hydrazine/hydrazine sulfate	302-01-2/10034-93-2	0.03	ug/L
Lindane	58-89-9	0.06	ug/L
Methylene Chloride	75-09-2	5	ug/L
Mirex	2385-85-5	0.05	ug/L
Nitrofurazone	59-87-0	0.06	ug/L
N-Nitrosodiethanolamine	1116-54-7	0.03	ug/L
N-Nitrosodiethylamine	55-18-5	0.0005	ug/L
N-Nitrosodimethylamine	62-75-9	0.002	ug/L
N-Nitroso-di-n-butylamine	924-16-3	0.02	ug/L
N-Nitroso-di-n-propylamine	621-64-7	0.01	ug/L
N-Nitrosodiphenylamine	86-30-6	17.0	ug/L
N-Nitroso-N-methylethylamine	10595-95-6	0.004	ug/L
N-Nitrosopyrrolidine	930-55-2	0.04	ug/L
o-Chloronitrobenzene	88-73-3	3	ug/L
o-Phenylenediamine	95-54-5	0.005	ug/L
o-Toluidine	95-53-4	0.2	ug/L
p,a,a,a-Tetrachlorotoluene	5216-25-1	0.004	ug/L
PAHs [Benzo(a)pyrene]		0.01	ug/L
PBBs	59536-65-1	0.01	ug/L
PCBs c	27323-18-8	0.01	ug/L
p-Chloronitrobenzene	100-00-5	5	ug/L
Propylene oxide	75-56-9]	0.01	ug/L
Tetrachloroethylene	127-18-4	0.8	ug/L
Toxaphene c	8001-35-2	0.08	ug/L
Trichloroethylene (TCE)	79-01-6	3	ug/L
Trimethyl phosphate	512-56-1	2.0	ug/L
Vinyl chloride	75-01-4	0.02	ug/L

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

**TABLE 15
CEDAR HILLS LANDFILL
INDUSTRIAL STORMWATER GENERAL PERMIT**

BENCHMARKS and EFFLUENT LIMITS

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

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

**CEDAR HILLS LANDFILL
CONSTRUCTION STORMWATER GENERAL PERMIT**

BENCHMARKS

Parameter	Units	Minimum Sampling Frequency	Benchmark
Turbidity	NTU	Weekly	25

TABLE 16
CEDAR HILLS REGIONAL LANDFILL
LABORATORY DATA REVIEW - SUSPECT DATA ALL MATRICES
(Data Collected from April 1, 2018 - June 30, 2018)

Parameter	Units	Well ID	Sample Date	Sample ID	Sample Value	Cause of Unuseability
2-Butanone	ug/l	FIELD BLANK	4/18/2018	W81-180418F	20.5	Blank Contamination
Carbon Disulfide	ug/l	FIELD BLANK	4/18/2018	W81-180418F	0.255	Blank Contamination
Copper	mg/l	FIELD BLANK	4/18/2018	W81-180418F	0.000324	Blank Contamination
		FIELD BLANK	6/6/2018	LEPS180606F	0.00022	Blank Contamination
Toluene	ug/l	FIELD BLANK	4/18/2018	W81-180418F	0.11 JT	Blank Contamination
Zinc	mg/l	FIELD BLANK	4/18/2018	W81-180418F	0.00136	Blank Contamination

See Data Qualifier List for Qualifier Information.

APPENDIX A

Potentiometric Surface Maps and Aquifer Flow Calculations



King County

Water and Land Resources Division

Department of Natural Resources and Parks
King Street Center
201 South Jackson Street, Suite 600
Seattle, WA 98104-3855

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

Memorandum

August 9, 2018

TO: Kris McArthur, Engineer II, Facility Engineering and Science Unit, Solid Waste Division, Department of Natural Resources and Parks (DNRP)

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

RE: Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations Second Quarter 2018 Results – Regional Aquifer Cedar Hills Landfill, King County, Washington
Project No. 1033379 – Task 02.14.137.20

The King County Water and Land Resources Division (WLR Division) submits this memorandum report on groundwater conditions during the second quarter of 2018 for the Cedar Hills Landfill (landfill), in accordance with the *Proposal for Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations* (WLR Division, 2018). King County Solid Waste Division (SWD) personnel measured regional aquifer groundwater elevations at the landfill on April 6, 2018. These measurements were received by the WLR Division on June 1, 2018 and were used to:

1. Evaluate the potentiometric groundwater surface elevation for the regional aquifer;
2. Determine the groundwater flow direction and horizontal gradient for the regional aquifer; and
3. Calculate the groundwater velocity of the regional aquifer.

There have been no significant changes in the interpreted regional aquifer groundwater conditions since the report submitted for the first quarter of the 2018 monitoring event.

Groundwater Elevation Data

SWD collected regional aquifer groundwater level measurements at 39 monitoring wells during the second quarter of 2018. These wells were completed in the regional aquifer as referred to in

Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill (Aspect, 2010).

Table 1 lists the well identifications, locations, well details, measured groundwater levels, and calculated groundwater elevations for the regional aquifer. Wells with screened intervals within ten feet of the water table were used for potentiometric surface mapping purposes. A total of 23 wells with water levels within ten feet of the top of screen were selected.

Figure 1 shows well locations, groundwater elevations at the 23 selected wells, groundwater potentiometric surface contours, and interpreted groundwater flow direction in the regional aquifer for the April 6, 2018 measurement event.

Direction of Groundwater Flow

Figure 1 shows interpreted groundwater potentiometric surface contours and groundwater flow directions in the regional aquifer, based on the April 6, 2018 measurements. Groundwater elevations indicate that groundwater in the regional aquifer generally flowed north beneath the southern portion of the landfill with minor components of flow to the north-northwest and north-northeast. In the central portion of the landfill, groundwater generally flowed to the north and north-northeast. At the northern end of the landfill, groundwater generally flowed to the north and north-northeast.

Groundwater Parameters

Horizontal groundwater velocity was calculated using the following formula:

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

v = Groundwater velocity [L/t]

n_{eff} = Effective porosity [dimensionless]

K = Hydraulic conductivity [L/t]

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

Horizontal groundwater velocity was calculated for the regional aquifer below the landfill. Horizontal groundwater velocity was calculated for the southern, central, and northern portions of the regional aquifer, based on spatial differences in aquifer parameters and hydraulic gradients. The hydraulic conductivity and effective porosity values were based on the range referred to in the *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010).

Table 2 presents a summary of the groundwater parameters used to calculate a groundwater velocity from the second quarter 2018 data. The hydraulic gradient was greatest under the southern portion of the landfill and smallest under the northern portion. On April 6, 2018, average horizontal groundwater velocity within the regional aquifer ranged from 0.011 feet per

day (ft/d) under the southern portion of the landfill to 2.3 ft/d under the central portion of the landfill.

References

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

King County Water and Land Resources Division (WLR Division). 2018. *Proposal for Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations*. King County Landfills (Cedar Falls, Cedar Hills, Enumclaw, Hobart, and Vashon Island). Unpublished. May 14.

Thank you for the opportunity to provide hydrogeologic services to the SWD. If you have any questions, please feel free to contact me at 206-477-4646 or sevin.bilir@kingcounty.gov.

This document was prepared under the supervision of a licensed hydrogeologist, whose seal appears below.



Sevin Bilir, WA LHG
Environmental Scientist IV
King County Water and Land Resources Division

Enclosures:

- Table 1: Groundwater Elevations – Second Quarter 2018
- Table 2: Groundwater Parameters – Second Quarter 2018
- Figure 1: Groundwater Potentiometric Surface Map – Second Quarter 2018 – Regional Aquifer

Table 1: Groundwater Elevations – Second Quarter 2018

**Cedar Hills Regional Landfill
King County, Washington**

							April 6, 2018	
	Well Identification	X (ft)	Y (ft)	Top of Casing Elevation (ft MSL)	Top of Screen Elevation (ft)	Bottom of Screen Elevation (ft)	Measured Depth to Water (ft)	Groundwater Elevations (ft MSL)
Wells with water levels within 10 feet of the top of screen	MW-60	1701154.47	167873.20	567.15	334.81	325.81	222.83	344.32
	MW-64	1701980.27	168772.19	596.55	334.03	320.23	264.2	332.35
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	237.68	293.6
	MW-67	1701776.69	172610.65	516.43	297.8	284	219.38	297.05
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	330.72	316.35
	MW-69	1698061.86	172400.20	653.69	293.57	279.97	355.23	298.46
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	360.6	311.27
	MW-73	1698954.95	174995.59	485.7	288.11	278.81	190.13	295.57
	MW-74R	1700386.85	173813.79	531.26	289.9	280.4	239.09	292.17
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	133.77	357.94
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	182.98	310.68
	MW-82	1699553.72	167725.31	474.85	348.88	339.38	119.84	355.01
	MW-83	1697939.89	167212.27	496.81	350.19	340.69	142.35	354.46
	MW-84	1698602.89	173894.54	530.8	292.46	282.96	235.08	295.72
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	244.61	287.15
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	248.44	287.6
	MW-87	1700670.27	173493.76	537.31	283.68	274.38	247.19	290.12
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	225.94	287.74
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	307	325.15
	MW-94	1698674.21	167210.22	495.51	357.22	348.52	138.6	356.91
MW-95	1697265.32	169426.92	571.54	314.6	305.9	250.52	321.02	
MW-100	1700791.72	169610.46	620.32	319.06	309.06	296.43	323.89	
MW-106	1702536.99	173461.69	475.47	280.04	270.04	188.97	286.5	
Wells with water levels greater than 10 feet above the top of screen	MW-21	1697901.86	173876.38	420.66	263.22	255.22	123.19	297.47
	MW-22P	1701844.34	173088.17	517.09	236.02	231.22	231.15	285.94
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	143.36	332.63
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	262.22	284.84
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	277.19	303.24
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	123.55	356.78
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	99.03	357.61
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	147.31	331.96
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	121.57	335.56
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	207.28	338.55
	MW-75	1701059.70	173432.42	532.4	271.1	261	244.37	288.03
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	237.81	292.6
	MW-89	1701799.57	174319.44	512.82	229.2	219.9	230.73	282.09
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	220.14	282.08
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	245.61	286.41
MW-99	1702556.06	172098.73	493.64	221.77	212.77	199.2	294.44	
NPW-1	1701906.96	171138.99	646.33	299.87	284.87	NM	NM	
NPW-3	1701922.88	170663.28	645.81	284.87	276.87	NM	NM	

Notes

1. Water level measurements made by KCSWD personnel.
2. Reference datum for XY coordinates is the North American Datum of 1927 (NAD27)
3. Elevations reported in feet above Mean Sea Level based on the National Geodetic Vertical Datum, 1929.

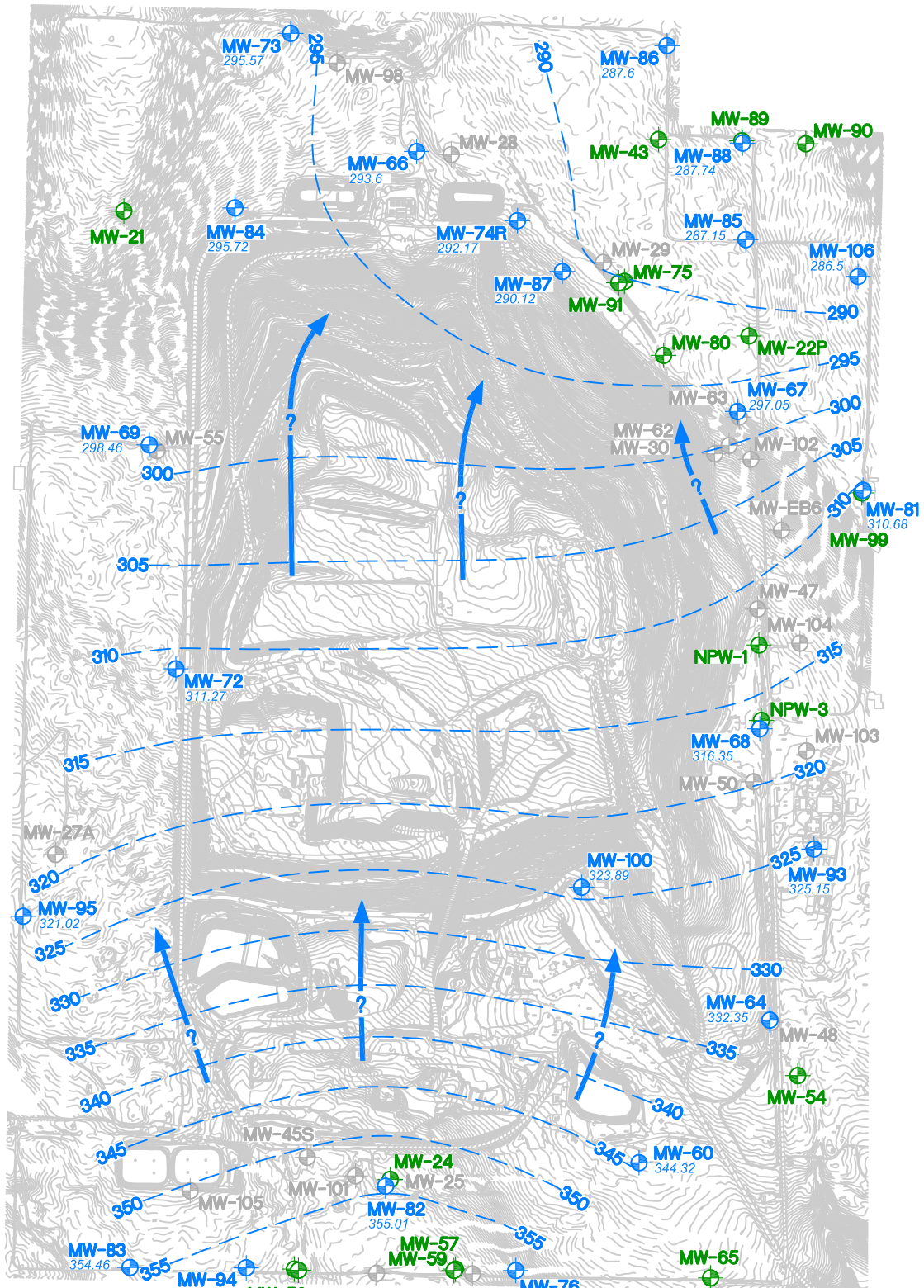
Table 2: Groundwater Parameters – Second Quarter 2018

Cedar Hills Regional Landfill
King County, Washington

Regional Aquifer Zone Beneath the Landfill	Horizontal Hydraulic Conductivity (K)			Horizontal Hydraulic Gradient (DH/DL)	Effective Porosity (n _{eff})	Horizontal Groundwater Velocity (v)	General Groundwater Flow Direction
	Range	(cm/s)	(ft/d)	(ft/ft)		(ft/d)	
Northern	Minimum	2.10E-03	6	0.005	24%	0.118	N, NNE, NNW
	Maximum	4.20E-02	120	0.005	24%	2.35	
	Mean	2.10E-02	60	0.005	24%	1.18	
Central	Minimum	2.10E-03	6	0.009	24%	0.23	N, NNW
	Maximum	4.20E-02	120	0.009	24%	4.5	
	Mean	2.10E-02	60	0.009	24%	2.3	
Southern	Minimum	6.40E-06	0.018	0.0153	26%	0.0011	N, NNE, NNW
	Maximum	6.40E-04	1.8	0.0153	26%	0.11	
	Mean	6.40E-05	0.18	0.0153	26%	0.011	

Notes

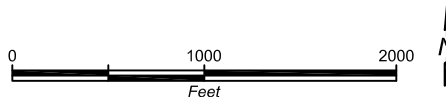
1. Horizontal hydraulic conductivity values and effective porosity values from *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill (Aspect, 2010)*.
2. Hydraulic gradients measured from the potentiometric surface map shown on Figure 1.
3. Mean hydraulic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



Legend

- MW-X XXX.XX Well completed in Regional Aquifer within 10 feet of the water table
- MW-X Wells completed in Regional Aquifer more than 10 ft below water table
- MW-X Wells screened in discontinuous Perched Zones

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



Notes:

1. Groundwater measurements made on April 6, 2018.
2. Only wells completed in the Regional Aquifer within 10 feet of the water table were used for contouring.



Groundwater Potentiometric Surface Map
Second Quarter 2018 - Regional Aquifer
 Cedar Hills Landfill
 King County, Washington

DATE: June 2018	PROJECT NO. 1033379
DESIGNED BY: SB	FIGURE NO. 1
DRAWN BY: KK	
REVISED BY: SB	

APPENDIX B

Field and Analytical Test Results

Groundwater Analytical Data

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-21	4/6/2018	420.66	123.19	297.47	
MW-22	4/6/2018	517.09	231.15	285.94	
MW-24	4/6/2018	475.99	143.36	332.63	
MW-25	4/6/2018	474.41	5.56	468.85	
MW-27A	4/6/2018	584.23	53.8	530.43	
MW-28	4/6/2018	527.75	23.72	504.03	
MW-29	4/6/2018	532.92	10.97	521.95	
MW-30A	4/6/2018	568.43	29.5	538.93	
MW-41D	4/6/2018	462.32	25.57	436.75	
MW-41S	4/6/2018	462.44	4.11	458.33	
MW-43	4/6/2018	547.06	262.22	284.84	
MW-45	4/6/2018	488.4	14	474.4	
MW-47	4/6/2018	634.6	13.71	620.89	
MW-48	4/6/2018	594.49	44.78	549.71	
MW-50	4/6/2018	637.02	29.68	607.34	
MW-54	4/6/2018	580.43	277.19	303.24	
MW-55	4/6/2018	652.29	27.48	624.81	
MW-56	4/6/2018	480.33	123.55	356.78	
MW-57	4/6/2018	456.64	99.03	357.61	
MW-58A	4/6/2018	479.27	147.31	331.96	
MW-59	4/6/2018	457.13	121.57	335.56	
MW-60	4/6/2018	567.15	222.83	344.32	
MW-62	4/6/2018	556.21	50.55	505.66	
MW-63	4/6/2018	515.88	13.1	502.78	
MW-64	4/6/2018	596.55	264.2	332.35	
MW-65	4/6/2018	545.83	207.28	338.55	
MW-66	4/6/2018	531.28	237.68	293.60	
MW-67	4/6/2018	516.43	219.38	297.05	
MW-68	4/6/2018	647.07	330.72	316.35	
MW-69	4/6/2018	653.69	355.23	298.46	
MW-72	4/6/2018	671.87	360.6	311.27	
MW-73	4/6/2018	485.7	190.13	295.57	
MW-74	4/6/2018	531.26	239.09	292.17	
MW-75	4/6/2018	532.4	244.37	288.03	
MW-76	4/6/2018	491.71	133.77	357.94	
MW-79	4/6/2018	459.17	--	--	Damaged
MW-80	4/6/2018	530.41	237.81	292.60	
MW-81	4/6/2018	493.66	182.98	310.68	
MW-82	4/6/2018	474.85	119.84	355.01	
MW-83	4/6/2018	496.81	142.35	354.46	
MW-84	4/6/2018	530.8	235.08	295.72	
MW-85	4/6/2018	531.76	244.61	287.15	
MW-86	4/6/2018	536.04	248.44	287.60	
MW-87	4/6/2018	537.31	247.19	290.12	

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater Elevation Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Reference Elevation (msl)	Depth to Water (feet)	Ground- Water Elevation (msl)	Comment
MW-88	4/6/2018	513.68	225.94	287.74	
MW-89	4/6/2018	512.82	230.73	282.09	
MW-90	4/6/2018	502.22	220.14	282.08	
MW-91	4/6/2018	532.02	245.61	286.41	
MW-93	4/6/2018	632.15	307	325.15	
MW-94	4/6/2018	495.51	138.6	356.91	
MW-95	4/6/2018	571.54	250.52	321.02	
MW-98	4/6/2018	503.73	16.43	487.3	
MW-99	4/6/2018	493.64	199.2	294.44	
MW-100	4/6/2018	620.32	296.43	323.89	
MW-101	4/6/2018	474.72	31.69	443.03	
MW-102	4/6/2018	552.48	45.02	507.46	
MW-103	4/6/2018	639.08	11.64	627.44	
MW-104	4/6/2018	629.68	23.64	606.04	
MW-105	4/6/2018	521.23	19.1	502.13	
MW-106	4/6/2018	475.47	188.97	286.50	
MW-EB5	4/6/2018	645.36	609.01	36.35	
MW-EB5S	4/6/2018	645.77	638.71	7.06	
MW-EB6	4/6/2018	589.61	26.54	563.07	
WS-NPW-1	4/6/2018	646.33	--	--	
WS-NPW-3	4/6/2018	645.81	--	--	

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater Field Parameters
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field) (std. Units)	Conductance (Field) (umhos/cm)	Temperature (° C)	Purge Volume (gal)	Dissolved Oxygen (mg/L)	ORP mV	Turbidity NTU
MW-21	4/13/2018	W21-180413-	7.35	145.4	9.17	2.7	0.87	-181.6	2.6
MW-24	4/13/2018	W24-180413-	6.49	177.6	9.421	3.5	0.76	-56.7	0.52
MW-30A	5/1/2018	W30A180501-	6.18	250	11.1	2.79			1.26
MW-47	5/1/2018	W47-180501-	6.8	835	10.7	14.5			1.34
MW-56	4/12/2018	W56-180412-	6.82	145	9.5	13.8			0.45
MW-59	4/12/2018	W59-180412-	6.33	189.8	9.609	4.5	0.67	-33.2	3.83
MW-62	5/3/2018	W62-180503-	6.37	200	10.5	2.32			1.15
MW-62	5/3/2018	W62-180503D	6.37	200	10.5	2.32			1.15
MW-64	4/19/2018	W64-180419-	6.64	284.2	11.45	2.1	2.71	203.7	136
MW-65	4/23/2018	W65-180423-	6.82	151	10.38	2	1.4	-48	48.7
MW-66	4/18/2018	W66-180418-	6.47	250.6	9.67	3	5.52	346.3	1.17
MW-67	4/23/2018	W67-180423-	6.89	373.5	9.38	2.5	2.59	40.9	8.86
MW-68	5/3/2018	W68-180503-	6.91	286	10.56	2.75	0.78	-8.7	2.1
MW-69	5/3/2018	W69-180503-	6.65	329.4	9.62	4.25	1.08	-53.1	1.49
MW-72	4/17/2018	W72-180417-	6.81	363.2	9.88	3.5	1.35	-31.9	26.6
MW-73	4/13/2018	W73-180413-	5.99	98.3	9.16	3.3	10.56	311.9	1.42
MW-74	4/19/2018	W74R180419-	6.98	597.8	10.2	3	4.54	256.4	0.6
MW-75	5/1/2018	W75-180501-	6.71	362	9.65	3	0.81	-36.4	1.23
MW-76	4/16/2018	W76-180416-	5.91	227.3	9.453	3.3	6.81	278.6	0.45
MW-80	4/23/2018	W80-180423-	6.56	312.5	9.55	4.5	0.74	-57.1	1.99
MW-81	4/18/2018	W81-180418-	6.77	163.8	9.55	1.5	5.67	241.1	0.73
MW-82	4/13/2018	W82-180413-	6.62	313	9.606	2.5	8.52	173.2	1.83
MW-83	4/16/2018	W83-180416-	6.66	514	10.088	3	0.97	178.4	0.47
MW-84	4/19/2018	W84-180419-	6.89	173.5	9.74	2.5	1.77	261.4	0.7
MW-85	4/26/2018	W85-180426-	6.67	349.2	9.636	2.25	3.34	219.5	0.6
MW-86	4/16/2018	W86-180416-	6.71	200.8	8.98	4.5	1.05	36.3	114
MW-87	4/25/2018	W87-180425-	6.93	511	12.234	0.7	10.42	227.9	40.4
MW-88	4/17/2018	W88-180417-	6.84	126.9	9.206	3.4	5.22	275.3	0.44
MW-89	4/19/2018	W89-180419-	6.99	211.4	9.25	6.2	1.08	-53.1	11.2
MW-93	6/28/2018	W93-180628-	6.67	294.1	11.04	5	0.97	322.4	1.19
MW-94	4/16/2018	W94-180416-	6.44	313.6	9.296	3	3.73	269.5	1.03
MW-95	4/16/2018	W95-180416-	6.72	230.9	9.22	5	0.93	263.9	0.54
MW-100	4/17/2018	W100180417-	6.83	325.7	10.66	4	1.12	10.2	74.9
MW-101	4/30/2018	W101180430-	7.21	460	11	2.5			6.76
FIELD BLANK	4/4/2018	SSL3180404F	7.53	2.7	11.3				
FIELD BLANK	4/18/2018	W81-180418F	9.24	1.8	5.3				
FIELD BLANK	5/2/2018	LEPS180502F	8.01	3.2	11.8				
FIELD FILTER	5/22/2018	WU1H180522E	7.17	2.6	14.3				

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Conventional Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Alkalinity, Total (CaCO ₃) (mg/L)	Ammonia, (NH ₃) (mg/L)	Chloride (mg/L)	Cyanide mg/l	Nitrate- Nitrogen, (NO ₃ as N) (mg/L)	Specific Conductance (umhos/cm)	Sulfate (SO ₄) (mg/L)	Sulfide (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Solids (mg/L)	Suspended Solids (mg/L)
MW-21	4/13/2018	W21-180413-	57.6	0.0207	2.62		0.01 U	136	5.9		89.3	0.5 U	92.7	0.7 T
MW-24	4/13/2018	W24-180413-	64.6	0.0307	4.68		0.01 U	174	13.3		112	0.5 U	119	1.6
MW-30A	5/1/2018	W30A180501-	78.8	0.002 U	0.864		16	305	5.64		224	0.7 T	236	0.5 U
MW-47	5/1/2018	W47-180501-	622	0.0702	6.19		0.01 U	1120	5.54		698	4.19	720	4.8
MW-56	4/12/2018	W56-180412-	52.5	0.002 U	13.9		1.33	178	6.1		110	0.5 U	121	1 U
MW-59	4/12/2018	W59-180412-	65.3	0.0042 T	6.27		0.017 T	187	15		114	0.5 U	124	5.9
MW-62	5/3/2018	W62-180503-	83.7	0.002 U	4.86		3.17	243	15.2		159	0.91 T	162	0.5 U
MW-62	5/3/2018	W62-180503D	83.6	0.002 U	4.97		3.15	243	15.6		158	1.08	164	0.5 U
MW-64	4/19/2018	W64-180419-	105	0.0174	2.44		0.016 T	276	30.9		168	1.25	241	24
MW-65	4/23/2018	W65-180423-	52.8	0.0067 T	3.01		0.012 T	141	9.34		92.5	0.5 U	109	27.4
MW-66	4/18/2018	W66-180418-	95.7	0.002 U	4.9		0.54	238	14		147	0.5 U	156	0.9 T
MW-67	4/23/2018	W67-180423-	157	0.0075 T	4.85		0.112	374	31.2		230	0.5 U	239	1.3
MW-68	5/3/2018	W68-180503-	126	0.0178	2.53		0.01 U	285	14.3		166	1.13	178	1.9
MW-69	5/3/2018	W69-180503-	137	0.016	3.64		0.01 U	324	24.5		194	0.68 T	206	2.6
MW-72	4/17/2018	W72-180417-	130	0.0162	6.08		0.01 U	346	36.3		214	0.5 U	240	19.4
MW-73	4/13/2018	W73-180413-	37.6	0.002 U	1.19		0.458	98.8	6.53		72.1	1.41	74.3	2.1
MW-74	4/19/2018	W74R180419-	233	0.002 U	26		0.282	574	30.7		336	0.5 U	354	0.5 U
MW-75	5/1/2018	W75-180501-	107	0.0083 T	9.31		0.01 U	358	53.6		232	0.5 U	244	1.8
MW-76	4/16/2018	W76-180416-	59.6	0.0021 T	16.4		1.65	231	15.7		143	2.01	154	0.5 U
MW-80	4/23/2018	W80-180423-	113	0.0098 T	4.11		0.01 U	306	32.2		197	0.5 U	205	5
MW-81	4/18/2018	W81-180418-	55.4	0.002 U	4.97		1.34	160	9.46		111	0.5 U	112	0.5 U
MW-82	4/13/2018	W82-180413-	127	0.002 U	9.68		0.658	319	16.5		195	0.5 U	203	2.1
MW-83	4/16/2018	W83-180416-	170	0.002 T	49.6		1.34	518	8.33		304	3.82	350	0.5 U
MW-84	4/19/2018	W84-180419-	65	0.002 U	3.27		0.166	168	12.1		112	0.5 U	114	0.5 U
MW-85	4/26/2018	W85-180426-	127	0.002 U	9.03		0.107	349	30.2		214	0.5 U	221	0.5 U
MW-86	4/16/2018	W86-180416-	68	0.002 HSU	4.74		0.0481 HS	193	19		122	0.5 U	145	20.1
MW-87	4/25/2018	W87-180425-	100	0.0101	11.9		0.0803	520	164		366	0.5 U	405	16.5
MW-88	4/17/2018	W88-180417-	52.7	0.002 U	1.85		0.653	130	5.98		91.1	0.5 U	92.2	0.5 U
MW-89	4/19/2018	W89-180419-	73	0.0171	8.64		0.01 U	209	12.8		135	0.5 U	146	5.6
MW-93	6/28/2018	W93-180628-	121	0.0572	2.76		0.015 T	321	37.7		201	0.5 U	206	0.5 U
MW-94	4/16/2018	W94-180416-	103	0.0022 T	20.9		2.71	318	9.52		199	2.43	214	1 U
MW-95	4/16/2018	W95-180416-	88.1	0.0249	5.08		0.01 U	225	15.6		136	0.5 U	141	0.5 U
MW-100	4/17/2018	W100180417-	138	0.013	3.32		0.01 U	313	16.9		185	0.5 U	208	19.5
MW-101	4/30/2018	W101180430-	305	0.0066 T	2.97	0.002 U	0.013 T	560	3.99	0.01 GSU	348	4.46	355	0.91 T
FIELD BLANK	4/4/2018	SSL3180404F		0.002 U										0.5 U
FIELD BLANK	4/18/2018	W81-180418F	1 U	0.002 U	0.05 U		0.01 U	1.2 T	0.1 U		10 U	0.5 U	10 U	0.5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Metals Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Aluminum, dissolved (mg/L)	Antimony, dissolved (mg/L)	Antimony, total (mg/L)	Arsenic, dissolved (mg/L)	Arsenic, total (mg/L)	Barium, dissolved (mg/L)	Barium, total (mg/L)	Beryllium, dissolved (mg/L)	Beryllium, total (mg/L)	Cadmium, dissolved (mg/L)
MW-21	4/13/2018	W21-180413-	0.0003 U	0.0003 U	0.000935	0.000974	0.00444	0.00449	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-24	4/13/2018	W24-180413-	0.0003 U	0.0003 U	0.000598	0.000591	0.00188	0.00193	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-30A	5/1/2018	W30A180501-	0.0003 U	0.0003 U	0.000472	0.000501	0.00392	0.00395	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-47	5/1/2018	W47-180501-	0.0003 U	0.0003 U	0.000872	0.00472	0.0382	0.0361	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-56	4/12/2018	W56-180412-	0.0003 U	0.0003 U	7.52E-05	8.44E-05	0.00412	0.00429	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-59	4/12/2018	W59-180412-	0.0003 U	0.0003 U	0.000352	0.000424	0.00371	0.00383	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-62	5/3/2018	W62-180503-	0.0003 U	0.0003 U	0.000413	0.000439	0.00135	0.00144	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-62	5/3/2018	W62-180503D	0.0003 U	0.0003 U	0.000413	0.000436	0.00133	0.00148	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-64	4/19/2018	W64-180419-	0.0003 U	0.000489	0.000604	0.00775	0.00909	0.0244	0.0001 U	0.0001 U	5E-05 U	0.000479
MW-65	4/23/2018	W65-180423-	0.0003 U	0.0003 U	0.0003	0.000843	0.00581	0.00667	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-66	4/18/2018	W66-180418-	0.0003 U	0.0003 U	0.000603	0.000651	0.0047	0.00518	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-67	4/23/2018	W67-180423-	0.0003 U	0.0003 U	0.000304	0.0011	0.0118	0.0142	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-68	5/3/2018	W68-180503-	0.0003 U	0.0003 U	0.0104	0.0161	0.0111	0.0106	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-69	5/3/2018	W69-180503-	0.0003 U	0.0003 U	0.00217	0.00237	0.0122	0.0113	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-72	4/17/2018	W72-180417-	0.0003 U	0.0003 U	6.60E-05	0.000255	0.0111	0.0143	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-73	4/13/2018	W73-180413-	0.0003 U	0.0003 U	0.000349	0.00034	0.00254	0.003	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-74	4/19/2018	W74R180419-	0.0003 U	0.0003 U	0.000377	0.000389	0.0132	0.0141	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-75	5/1/2018	W75-180501-	0.0003 U	0.0003 U	0.000445	0.000456	0.0112	0.011	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-76	4/16/2018	W76-180416-	0.0003 U	0.0003 U	0.000182	0.000186	0.00329	0.00351	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-80	4/23/2018	W80-180423-	0.0003 U	0.0003 U	0.00377	0.00494	0.0134	0.0144	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-81	4/18/2018	W81-180418-	0.0003 U	0.0003 U	0.000517	0.000548	0.00292	0.00312	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-82	4/13/2018	W82-180413-	0.0003 U	0.0003 U	0.000233	0.000249	0.00115	0.00131	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-83	4/16/2018	W83-180416-	0.0003 U	0.0003 U	0.000317	0.000309	0.00618	0.00648	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-84	4/19/2018	W84-180419-	0.0003 U	0.0003 U	0.000331	0.00037	0.00357	0.00403	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-85	4/26/2018	W85-180426-	0.0003 U	0.0003 U	0.000699	0.00071	0.0061	0.00657	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-86	4/16/2018	W86-180416-	0.0003 U	0.0003 U	0.000645	0.0132	0.00517	0.00723	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-87	4/25/2018	W87-180425-	0.0003 U	0.0003 U	0.000406	0.00211	0.0232	0.0257	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-88	4/17/2018	W88-180417-	0.0003 U	0.0003 U	0.000993	0.00103	0.00204	0.00221	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-89	4/19/2018	W89-180419-	0.0003 U	0.0003 U	0.00102	0.00356	0.00619	0.00787	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-93	6/28/2018	W93-180628-	0.0003 U	0.0003 U	0.00134	0.00135	0.00823	0.00784	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-94	4/16/2018	W94-180416-	0.0003 U	0.0003 U	0.000145	0.000146	0.00235	0.00252	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-95	4/16/2018	W95-180416-	0.0003 U	0.0003 U	0.00101	0.00109	0.00383	0.00407	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-100	4/17/2018	W100180417-	0.0003 U	0.0003 U	0.000468	0.00493	0.00595	0.00893	0.0001 U	0.0001 U	5E-05 U	5E-05 U
MW-101	4/30/2018	W101180430-	0.0003 U	0.0003 U	0.0023	0.00257	0.0248	0.0265	0.0001 U	0.0001 U	5.08E-05	5E-05 U
FIELD BLANK	4/18/2018	W81-180418F	0.0003 U	0.0003 U	5E-05 U	5E-05 U	0.0005 U	0.0005 U	0.0001 U	0.0001 U	5E-05 U	5E-05 U
FIELD FILTER BLANK	5/22/2018	WU1H180522E	0.002 U	0.0003 U		0.00005 U		0.0005 U		0.0001 U		0.00005 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Metals Analytical Data
 Contact Person: Sandy Jimenez (206) 477-5224

Site	Date	Sample ID	Cadmium,	Calcium,	Calcium,	Chromium,	Chromium	Cobalt,	Cobalt,	Copper,	Copper,	Iron,
			total	dissolved	total	dissolved	total	dissolved	total	dissolved	total	dissolved
			(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-21	4/13/2018	W21-180413-	11.7	11.9	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	2.22	2.53
MW-24	4/13/2018	W24-180413-	14.1	14.2	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	2.97	3.02
MW-30A	5/1/2018	W30A180501-	23.9	24.1	0.00052	0.00127	5E-05 U	5E-05 U	0.0002 U	0.000274	0.01 U	0.0495
MW-47	5/1/2018	W47-180501-	140	134	0.0002 U	0.0002 U	0.00047	0.000446	0.0002 U	0.0002 U	4.38	4.14
MW-56	4/12/2018	W56-180412-	17	17.2	0.0002 U	0.0002 U	9.12E-05	9.34E-05	0.0002 U	0.000219	0.0519	0.0643
MW-59	4/12/2018	W59-180412-	16	16	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.000503	3.31	3.7
MW-62	5/3/2018	W62-180503-	21.4	21.4	0.000256	0.000275	5E-05 U	5E-05 U	0.000325	0.00039	0.01 U	0.045
MW-62	5/3/2018	W62-180503D	21.6	22	0.000237	0.000305	5E-05 U	5E-05 U	0.000419	0.000436	0.01 U	0.0437
MW-64	4/19/2018	W64-180419-	20.6	18.7	0.0002 U	0.000395	5.53E-05	0.00385	0.0002 U	0.00171	0.0278	3.11
MW-65	4/23/2018	W65-180423-	11.9	11.7	0.000251	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.000222	3.42	5.2
MW-66	4/18/2018	W66-180418-	18.4	17.2	0.0002 U	0.000228	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.0357
MW-67	4/23/2018	W67-180423-	36.5	35.7	0.0002 U	0.0002 U	0.000146	0.000273	0.000219	0.000285	0.221	0.992
MW-68	5/3/2018	W68-180503-	28.4	27.9	0.0002 U	0.000213	0.000229	0.000234	0.0002 U	0.000507	0.68	0.814
MW-69	5/3/2018	W69-180503-	34.4	34.3	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	1.1	1.26
MW-72	4/17/2018	W72-180417-	32.1	29.7	0.0002 U	0.000446	5E-05 U	7.36E-05	0.0002 U	0.00162	2.54	5.13
MW-73	4/13/2018	W73-180413-	10.7	10.6	0.000261	0.00033	5E-05 U	5E-05 U	0.00205	0.00232	0.01 U	0.0501
MW-74	4/19/2018	W74R180419-	50.5	46.7	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.000256	0.000259	0.01 U	0.0115
MW-75	5/1/2018	W75-180501-	30.1	30.4	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	1.97	2.01
MW-76	4/16/2018	W76-180416-	20.2	18.6	0.000732	0.000731	5.02E-05	5.24E-05	0.000998	0.00116	0.01 U	0.01 U
MW-80	4/23/2018	W80-180423-	30.4	30.5	0.0002 U	0.000798	5E-05 U	5E-05 U	0.0002 U	0.000295	2.06	2.5
MW-81	4/18/2018	W81-180418-	13.6	12.8	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-82	4/13/2018	W82-180413-	29.9	30.2	0.0002 U	0.00102	5E-05 U	5E-05 U	0.0002 U	0.00026	0.01 U	0.0493
MW-83	4/16/2018	W83-180416-	52.8	49.2	0.0002 U	0.0002 U	0.000105	0.000105	0.00188	0.00215	0.01 U	0.01 U
MW-84	4/19/2018	W84-180419-	12.6	11.5	0.0002 U	0.0002 U	5E-05 U	5.43E-05	0.0002 U	0.0002 U	0.01 U	0.0256
MW-85	4/26/2018	W85-180426-	31.5	31.5	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.000345	0.01 U	0.01 U
MW-86	4/16/2018	W86-180416-	15.1	14.3	0.0002 U	0.000215	6.33E-05	0.000126	0.0002 U	0.0002 U	0.523	8.86
MW-87	4/25/2018	W87-180425-	47	47.5	0.0002 U	0.0002 U	0.000129	0.000145	0.000281	0.0002 U	3.67	5.06
MW-88	4/17/2018	W88-180417-	9.37	8.78	0.000598	0.000652	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-89	4/19/2018	W89-180419-	14.8	13.7	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U	0.992	2.88
MW-93	6/28/2018	W93-180628-	31.8	31.5	0.0002 U	0.0002 U	8.71E-05	0.000105	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-94	4/16/2018	W94-180416-	31.2	29.4	0.0002 U	0.000217	7.80E-05	7.42E-05	0.00108	0.00125	0.01 U	0.0155
MW-95	4/16/2018	W95-180416-	21.5	19.8	0.0002 U	0.0002 U	6.44E-05	7.77E-05	0.0002 U	0.0002 U	0.01 U	0.01 U
MW-100	4/17/2018	W100180417-	29.2	27.1	0.0002 U	0.000246	0.000249	0.000548	0.0002 U	0.000612	0.832	7.39
MW-101	4/30/2018	W101180430-	57.2	55.7	0.0002 U	0.000307	0.000261	0.00029	0.000591	0.00106	0.0269	0.12
FIELD BLANK	4/18/2018	W81-180418F	0.05 U	0.05 U	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.000324	0.01 U	0.01 U
FIELD FILTER BLANK	5/22/2018	WU1H180522E		0.05 U		0.0002 U		0.00005 U		0.0002 U		0.01 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Metals Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Iron, total (mg/L)	Lead, dissolved (mg/L)	Lead, total (mg/L)	Magnesium, dissolved (mg/L)	Magnesium, total (mg/L)	Manganese, dissolved (mg/L)	Manganese, total (mg/L)	Mercury, dissolved (mg/L)	Mercury, total (mg/L)	Nickel, dissolved (mg/L)
MW-21	4/13/2018	W21-180413-	0.0001 U	0.0001 U	6.44	6.53	0.102	0.106	5E-05 U	5E-05 U	0.000152	0.000137
MW-24	4/13/2018	W24-180413-	0.0001 U	0.0001 U	9.32	9.11	0.0969	0.0979	5E-05 U	5E-05 U	0.0001 U	0.0001 U
MW-30A	5/1/2018	W30A180501-	0.0001 U	0.0001 U	12.7	12.6	0.0001 U	0.000681	5E-05 U	5E-05 U	0.000605	0.000919
MW-47	5/1/2018	W47-180501-	0.0001 U	0.0001 U	66.4	64.8	3.87 D	4.01	5E-05 U	5E-05 U	0.00218	0.00205
MW-56	4/12/2018	W56-180412-	0.0001 U	0.0001 U	7.9	8.12	0.131	0.133	5E-05 U	5E-05 U	0.000369	0.000393
MW-59	4/12/2018	W59-180412-	0.0001 U	0.000123	9.77	9.7	0.114	0.121	5E-05 U	5E-05 U	0.000122	0.000201
MW-62	5/3/2018	W62-180503-	0.0001 U	0.0001 U	8.37	8.38	0.0001 U	0.000983	5E-05 U	5E-05 U	0.000374	0.000406
MW-62	5/3/2018	W62-180503D	0.0001 U	0.0001 U	8.45	8.66	0.0001 U	0.00108	5E-05 U	5E-05 U	0.000344	0.000362
MW-64	4/19/2018	W64-180419-	0.0001 U	0.0001 U	17.2	16.7	0.0689	3	5E-05 U	5E-05 U	0.000372	0.0128
MW-65	4/23/2018	W65-180423-	0.0001 U	0.0001 U	7.18	7.19	0.212	0.227	5E-05 U	5E-05 U	0.0001 U	0.000139
MW-66	4/18/2018	W66-180418-	0.0001 U	0.0001 U	14.5	14.6	0.0001 U	0.00059	5E-05 U	5E-05 U	0.0001 U	0.000222
MW-67	4/23/2018	W67-180423-	0.0001 U	0.0001 U	21.6	21.4	0.205	0.436	5E-05 U	5E-05 U	0.000159	0.000484
MW-68	5/3/2018	W68-180503-	0.0001 U	0.0001 U	15.6	15.4	0.309	0.313	5E-05 U	5E-05 U	0.000566	0.000616
MW-69	5/3/2018	W69-180503-	0.0001 U	0.0001 U	16.3	16.5	0.262	0.268	5E-05 U	5E-05 U	0.0001 U	0.0001 U
MW-72	4/17/2018	W72-180417-	0.0001 U	0.000579	19.7	19.4	0.371	0.364	5E-05 U	5E-05 U	0.0001 U	0.000325
MW-73	4/13/2018	W73-180413-	0.0001 U	0.0001 U	3.56	3.41	0.000303	0.00146	5E-05 U	5E-05 U	0.000386	0.000426
MW-74	4/19/2018	W74R180419-	0.0001 U	0.0001 U	38.4	38.4	0.0001 U	0.000312	5E-05 U	5E-05 U	0.000852	0.00106
MW-75	5/1/2018	W75-180501-	0.0001 U	0.0001 U	21.9	21.9	0.172	0.176	5E-05 U	5E-05 U	0.0001 U	0.0001 U
MW-76	4/16/2018	W76-180416-	0.0001 U	0.0001 U	9.36	9.18	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.00025	0.000372
MW-80	4/23/2018	W80-180423-	0.0001 U	0.0001 U	15.6	16.1	0.33	0.333	5E-05 U	5E-05 U	0.000151	0.000541
MW-81	4/18/2018	W81-180418-	0.0001 U	0.0001 U	7.58	7.61	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.0001 U	0.000108
MW-82	4/13/2018	W82-180413-	0.0001 U	0.0001 U	17.6	17.6	0.0001 U	0.00044	5E-05 U	5E-05 U	0.00029	0.00174
MW-83	4/16/2018	W83-180416-	0.0001 U	0.0001 U	23.9	24	0.0424	0.0427	5E-05 U	5E-05 U	0.00142	0.00158
MW-84	4/19/2018	W84-180419-	0.0001 U	0.0001 U	9.61	9.53	0.000631	0.0038	5E-05 U	5E-05 U	0.0001 U	0.000364
MW-85	4/26/2018	W85-180426-	0.0001 U	0.0001 U	19.5	19.8	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.0001 U	0.000167
MW-86	4/16/2018	W86-180416-	0.0001 U	0.0001 U	10.5	10.3	0.0187	0.0267	5E-05 U	5E-05 U	0.000123	0.000199
MW-87	4/25/2018	W87-180425-	0.0001 U	0.0001 U	31.3	32.7	0.587	0.62 D	5E-05 U	5E-05 U	0.000312	0.000139
MW-88	4/17/2018	W88-180417-	0.0001 U	0.0001 U	7.06	7.16	0.000184	0.000218	5E-05 U	5E-05 U	0.0001 U	0.0001 U
MW-89	4/19/2018	W89-180419-	0.0001 U	0.0001 U	10.9	10.7	0.211	0.225	5E-05 U	5E-05 U	0.0001 U	0.000147
MW-93	6/28/2018	W93-180628-	0.0001 U	0.0001 U	17.1	16.3	0.22	0.218	5E-05 U	5E-05 U	0.000205	0.000222
MW-94	4/16/2018	W94-180416-	0.0001 U	0.0001 U	13.9	13.8	0.00011	0.000127	5E-05 U	5E-05 U	0.000461	0.000532
MW-95	4/16/2018	W95-180416-	0.0001 U	0.0001 U	11.6	11.5	0.171	0.165	5E-05 U	5E-05 U	0.0001 U	0.000188
MW-100	4/17/2018	W100180417-	0.0001 U	0.000139	16.5	16.5	0.172	0.309	5E-05 U	5E-05 U	0.000383	0.000999
MW-101	4/30/2018	W101180430-	0.0001 U	0.0001 U	34.1	35.4	1.14	1.17 D	5E-05 U	5E-05 U	0.00382	0.00398
FIELD BLANK	4/18/2018	W81-180418F	0.0001 U	0.0001 U	0.05 U	0.05 U	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.0001 U	0.0001 U
FIELD FILTER BLANK	5/22/2018	WU1H180522E		0.0001 U		0.05 U		0.0001 U		0.00005 U		0.0001 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Metals Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Nickel, total (mg/L)	Potassium, dissolved (mg/L)	Potassium, total (mg/L)	Selenium, dissolved (mg/L)	Selenium, total (mg/L)	Silver, dissolved (mg/L)	Silver, total (mg/L)	Sodium, dissolved (mg/L)	Sodium, total (mg/L)	Thallium, dissolved (mg/L)
MW-21	4/13/2018	W21-180413-	1.06	1.08	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.68	5.6	0.0001 U	0.0001 U
MW-24	4/13/2018	W24-180413-	0.967	0.98	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.54	5.56	0.0001 U	0.0001 U
MW-30A	5/1/2018	W30A180501-	1.52	1.54	0.0005 U	0.0005 U	4E-05 U	4E-05 U	16.7	16.5	0.0001 U	0.0001 U
MW-47	5/1/2018	W47-180501-	4.58	4.41	0.0005 U	0.0005 U	4E-05 U	4E-05 U	20.7	20	0.0001 U	0.0001 U
MW-56	4/12/2018	W56-180412-	1.03	1.04	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.12	5.09	0.0001 U	0.0001 U
MW-59	4/12/2018	W59-180412-	1.13	1.12	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.96	5.88	0.0001 U	0.0001 U
MW-62	5/3/2018	W62-180503-	1.14	1.14	0.0005 U	0.0005 U	4E-05 U	4E-05 U	15.2	15	0.0001 U	0.0001 U
MW-62	5/3/2018	W62-180503D	1.14	1.17	0.0005 U	0.0005 U	4E-05 U	4E-05 U	15	15.2	0.0001 U	0.0001 U
MW-64	4/19/2018	W64-180419-	1.89	1.89	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.65	8.72	0.0001 U	0.0001 U
MW-65	4/23/2018	W65-180423-	0.923	0.946	0.0005 U	0.0005 U	4E-05 U	4E-05 U	5.56	5.57	0.0001 U	0.0001 U
MW-66	4/18/2018	W66-180418-	1.18	1.25	0.000864	0.0009	4E-05 U	4E-05 U	7.91	8.41	0.0001 U	0.0001 U
MW-67	4/23/2018	W67-180423-	1.78	1.79	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.9	9.91	0.0001 U	0.0001 U
MW-68	5/3/2018	W68-180503-	1.75	1.71	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.34	9.01	0.0001 U	0.0001 U
MW-69	5/3/2018	W69-180503-	1.77	1.77	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.94	8.83	0.0001 U	0.0001 U
MW-72	4/17/2018	W72-180417-	1.94	1.96	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.46	8.56	0.0001 U	0.0001 U
MW-73	4/13/2018	W73-180413-	0.722	0.732	0.0005 U	0.0005 U	4E-05 U	4E-05 U	3.25	3.1	0.0001 U	0.0001 U
MW-74	4/19/2018	W74R180419-	2.24	2.25	0.000948	0.000754	4E-05 U	4E-05 U	13.6	13.9	0.0001 U	0.0001 U
MW-75	5/1/2018	W75-180501-	1.91	1.92	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.1	9.1	0.0001 U	0.0001 U
MW-76	4/16/2018	W76-180416-	1.41	1.41	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.55	9.84	0.0001 U	0.0001 U
MW-80	4/23/2018	W80-180423-	1.67	1.73	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.06	8.18	0.0001 U	0.0001 U
MW-81	4/18/2018	W81-180418-	0.853	0.862	0.000757	0.000869	4E-05 U	4E-05 U	6.58	6.97	0.0001 U	0.0001 U
MW-82	4/13/2018	W82-180413-	1.92	1.93	0.0005 U	0.0005 U	4E-05 U	4E-05 U	8.14	8.32	0.0001 U	0.0001 U
MW-83	4/16/2018	W83-180416-	2.94	3.03	0.0005 U	0.0005 U	4E-05 U	4E-05 U	11.1	11.4	0.0001 U	0.0001 U
MW-84	4/19/2018	W84-180419-	1.04	1.05	0.000545	0.000522	4E-05 U	4E-05 U	6.43	6.7	0.0001 U	0.0001 U
MW-85	4/26/2018	W85-180426-	1.61	1.68	0.00126	0.00104	4E-05 U	4E-05 U	9.55	9.61	0.0001 U	0.0001 U
MW-86	4/16/2018	W86-180416-	1.28	1.29	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.05	7.07	0.0001 U	0.0001 U
MW-87	4/25/2018	W87-180425-	2.4	2.52	0.0005 U	0.0005 U	4E-05 U	4E-05 U	10.8	11.4	0.0001 U	0.0001 U
MW-88	4/17/2018	W88-180417-	0.847	0.876	0.000604	0.000612	4E-05 U	4E-05 U	5.94	6.27	0.0001 U	0.0001 U
MW-89	4/19/2018	W89-180419-	1.52	1.53	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.75	10.1	0.0001 U	0.0001 U
MW-93	6/28/2018	W93-180628-	1.46	1.53	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.61	9.19	0.0001 U	0.0001 U
MW-94	4/16/2018	W94-180416-	2.28	2.32	0.0005 U	0.0005 U	4E-05 U	4E-05 U	7.81	8.09	0.0001 U	0.0001 U
MW-95	4/16/2018	W95-180416-	1.25	1.26	0.0005 U	0.0005 U	4E-05 U	4E-05 U	6.4	6.64	0.0001 U	0.0001 U
MW-100	4/17/2018	W100180417-	1.78	1.81	0.0005 U	0.0005 U	4E-05 U	4E-05 U	9.74	10	0.0001 U	0.0001 U
MW-101	4/30/2018	W101180430-	2.99	3.05	0.0005 U	0.0005 U	4E-05 U	4E-05 U	16.9	17.3	0.0001 U	0.0001 U
FIELD BLANK	4/18/2018	W81-180418F	0.1 U	0.5 U	0.0005 U	0.0005 U	4E-05 U	4E-05 U	0.1 U	0.1 U	0.0001 U	0.0001 U
FIELD FILTER BLANK	5/22/2018	WU1H180522E		0.1 U		0.0005 U		0.00004 U		0.1 U		0.0001 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Metals Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Thallium, total (mg/L)	Tin, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Vanadium, total (mg/L)	Zinc, dissolved (mg/L)	Zinc, total (mg/L)
MW-21	4/13/2018	W21-180413-			7.5E-05 U	7.5E-05 U	0.0005 U	0.0005 U
MW-24	4/13/2018	W24-180413-			7.5E-05 U	7.5E-05 U	0.000509	0.0005 U
MW-30A	5/1/2018	W30A180501-			0.002	0.00211	0.000867	0.000984
MW-47	5/1/2018	W47-180501-			0.000224	0.000144	0.000573	0.000554
MW-56	4/12/2018	W56-180412-			0.000195	0.000212	0.00116	0.00164
MW-59	4/12/2018	W59-180412-			7.5E-05 U	7.5E-05 U	0.00197	0.00316
MW-62	5/3/2018	W62-180503-			0.00157	0.00165	0.0005 U	0.0005 U
MW-62	5/3/2018	W62-180503D			0.00157	0.00169	0.000702	0.000531
MW-64	4/19/2018	W64-180419-			0.000129	0.00146 D	0.00102	0.00422
MW-65	4/23/2018	W65-180423-			7.5E-05 U	7.5E-05 U	0.000633	0.000756
MW-66	4/18/2018	W66-180418-			0.000616	0.000706 D	0.000659	0.00152
MW-67	4/23/2018	W67-180423-			0.000176	0.000594	0.000906	0.000629
MW-68	5/3/2018	W68-180503-			0.000212	0.000332	0.0005 U	0.000809
MW-69	5/3/2018	W69-180503-			9.20E-05	8.25E-05	0.000503	0.000748
MW-72	4/17/2018	W72-180417-			7.5E-05 U	0.000374 D	0.00144	0.0129
MW-73	4/13/2018	W73-180413-			0.00081	0.00089	0.000775	0.000666
MW-74	4/19/2018	W74R180419-			0.000557	0.000612 D	0.000565	0.00108
MW-75	5/1/2018	W75-180501-			7.5E-05 U	7.5E-05 U	0.000514	0.0005 U
MW-76	4/16/2018	W76-180416-			0.000562	0.000584 D	0.000691	0.0005 U
MW-80	4/23/2018	W80-180423-			7.5E-05 U	0.000125	0.000743	0.00129
MW-81	4/18/2018	W81-180418-			0.00165	0.00169 D	0.000611	0.000839
MW-82	4/13/2018	W82-180413-			0.00125	0.00131	0.000696	0.000768
MW-83	4/16/2018	W83-180416-			0.000742	0.000779 D	0.0005 U	0.000594
MW-84	4/19/2018	W84-180419-			0.000473	0.00056 D	0.0005 U	0.0006
MW-85	4/26/2018	W85-180426-			0.000867	0.000915	0.0005 U	0.0005 U
MW-86	4/16/2018	W86-180416-			7.5E-05 U	0.00161 D	0.000547	0.000838
MW-87	4/25/2018	W87-180425-			7.5E-05 U	0.000373	0.00197	0.000697
MW-88	4/17/2018	W88-180417-			0.00271	0.00281 D	0.0005 U	0.0005 U
MW-89	4/19/2018	W89-180419-			7.5E-05 U	0.000149 D	0.00107	0.00211
MW-93	6/28/2018	W93-180628-			0.00207 D	0.00212	0.00142	0.00197
MW-94	4/16/2018	W94-180416-			0.00104	0.0011 D	0.0005 U	0.000511
MW-95	4/16/2018	W95-180416-			0.000299	0.000372 D	0.000523	0.0005 U
MW-100	4/17/2018	W100180417-			7.5E-05 U	0.000161 D	0.000707	0.00554
MW-101	4/30/2018	W101180430-			0.000942	0.000994	0.000786	0.00249
FIELD BLANK	4/18/2018	W81-180418F	0.0005 U	0.0005 U	0.0005 U	0.00136	0.0005 U	0.000527
FIELD FILTER BLANK	5/22/2018	WU1H180522E		0.0005 U	0.000075 U		0.0005 U	

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,1,1,2-	1,1,1-	1,1,2,2-	1,1,2-	1,1-	1,1-	1,2,3-	1,2-Dibromo	1,2-	1,2-	1,2-
			Tetrachloroethane	Trichloroethane	Tetrachloroethane	Trichloroethane	Dichloroethane	Dichloroethane	Trichloropropane	3-Chloropropane	Dibromoethane	Dichlorobenzene	Dichloroethane
			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
MW-21	4/13/2018	W21-180413-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-24	4/13/2018	W24-180413-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-30A	5/1/2018	W30A180501-	0.25 U	0.1 U	0.1 U	0.1 U	2.07	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-47	5/1/2018	W47-180501-	0.25 U	0.1 U	0.1 U	0.1 U	0.836	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.2
MW-56	4/12/2018	W56-180412-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-59	4/12/2018	W59-180412-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-62	5/3/2018	W62-180503-	0.25 U	0.1 U	0.1 U	0.1 U	2.16	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-62	5/3/2018	W62-180503D	0.25 U	0.1 U	0.1 U	0.1 U	2.2	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-64	4/19/2018	W64-180419-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-65	4/23/2018	W65-180423-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-66	4/18/2018	W66-180418-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-67	4/23/2018	W67-180423-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-68	5/3/2018	W68-180503-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-69	5/3/2018	W69-180503-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-72	4/17/2018	W72-180417-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-73	4/13/2018	W73-180413-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-74	4/19/2018	W74R180419-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-75	5/1/2018	W75-180501-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-76	4/16/2018	W76-180416-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-80	4/23/2018	W80-180423-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-81	4/18/2018	W81-180418-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-82	4/13/2018	W82-180413-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-83	4/16/2018	W83-180416-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-84	4/19/2018	W84-180419-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-85	4/26/2018	W85-180426-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-86	4/16/2018	W86-180416-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-87	4/25/2018	W87-180425-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-88	4/17/2018	W88-180417-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-89	4/19/2018	W89-180419-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-93	6/28/2018	W93-180628-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-94	4/16/2018	W94-180416-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-95	4/16/2018	W95-180416-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-100	4/17/2018	W100180417-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
MW-101	4/30/2018	W101180430-	0.25 U	0.1 U	0.1 U	0.1 U	0.16 JT	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.18 JT
FIELD BLANK	4/18/2018	W81-180418F	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2018	VTRP180412Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/12/2018	VTRP180413Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,1,1,2-	1,1,1-	1,1,2,2-	1,1,2-	1,1-	1,1-	1,2,3-	1,2-Dibromo-	1,2-	1,2-	1,2-
			Tetrachloroethane	Trichloroethane	Tetrachloroethane	Trichloroethane	Dichloroethane	Dichloroethane	Trichloropropane	3-Chloropropane	Dibromoethane	Dichlorobenzene	Dichloroethane
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
VOA TRIP BLANK	4/13/2018	VTRP180416Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/16/2018	VTRP180417Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/17/2018	VTRP180418Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/18/2018	VTRP180419Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/20/2018	VTRP180423Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/23/2018	VTRP180425Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/25/2018	VTRP180426Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/30/2018	VTRP180501Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2018	VTRP180413X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/13/2018	VTRP180416X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/16/2018	VTRP180417X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/17/2018	VTRP180418X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/18/2018	VTRP180419X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/26/2018	VTRP180430X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/1/2018	VTRP180501X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/2/2018	VTRP180503Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/2/2018	VTRP180503X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/28/2018	VTRP180628X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,2-	1,4-	2-Butanone	2-	4-Methyl-2-	Acetone	Acrylonitrile	Benzene	Bromochlor	Bromochloro	Bromoform	Bromomethan	
			Dichloroprop	Dichlorobenze		Hexanone	Pentanone					omethane	methane		e
			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
			78-87-5	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	
MW-21	4/13/2018	W21-180413-	0.1 U	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	
MW-24	4/13/2018	W24-180413-	0.1 U	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	
MW-30A	5/1/2018	W30A180501-	0.1 U	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	
MW-47	5/1/2018	W47-180501-	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	0.11 JT	0.1 U	0.25 U	0.5 U	0.1 U	
MW-56	4/12/2018	W56-180412-	0.1 U	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	
MW-59	4/12/2018	W59-180412-	0.1 U	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	
MW-62	5/3/2018	W62-180503-	0.11 JT	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	
MW-62	5/3/2018	W62-180503D	0.11 JT	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	
MW-64	4/19/2018	W64-180419-	0.1 U	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	
MW-65	4/23/2018	W65-180423-	0.1 U	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	
MW-66	4/18/2018	W66-180418-	0.1 U	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	
MW-67	4/23/2018	W67-180423-	0.1 U	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	
MW-68	5/3/2018	W68-180503-	0.1 U	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	
MW-69	5/3/2018	W69-180503-	0.1 U	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	
MW-72	4/17/2018	W72-180417-	0.1 U	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	
MW-73	4/13/2018	W73-180413-	0.1 U	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	
MW-74	4/19/2018	W74R180419-	0.1 U	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	
MW-75	5/1/2018	W75-180501-	0.1 U	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	
MW-76	4/16/2018	W76-180416-	0.1 U	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	
MW-80	4/23/2018	W80-180423-	0.1 U	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	
MW-81	4/18/2018	W81-180418-	0.1 U	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	
MW-82	4/13/2018	W82-180413-	0.1 U	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	
MW-83	4/16/2018	W83-180416-	0.1 U	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	
MW-84	4/19/2018	W84-180419-	0.1 U	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	
MW-85	4/26/2018	W85-180426-	0.1 U	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	
MW-86	4/16/2018	W86-180416-	0.1 U	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	
MW-87	4/25/2018	W87-180425-	0.1 U	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	
MW-88	4/17/2018	W88-180417-	0.1 U	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	
MW-89	4/19/2018	W89-180419-	0.1 U	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	
MW-93	6/28/2018	W93-180628-	0.1 U	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	
MW-94	4/16/2018	W94-180416-	0.1 U	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	
MW-95	4/16/2018	W95-180416-	0.1 U	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	
MW-100	4/17/2018	W100180417-	0.1 U	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	
MW-101	4/30/2018	W101180430-	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	
FIELD BLANK	4/18/2018	W81-180418F	0.1 U	0.1 U	20.5	0.5 U	2.5 U	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	
VOA TRIP BLANK	4/11/2018	VTRP180412Y	0.1 U	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	
VOA TRIP BLANK	4/12/2018	VTRP180413Y	0.1 U	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	

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,2-	1,4-	2-Butanone	2-	4-Methyl-2-	Acetone	Acrylonitrile	Benzene	Bromochlor	Bromochloro	Bromoform	Bromomethan
			Dichloroprop ane ug/l	Dichlorobenze ne ug/l	78-87-5	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
VOA TRIP BLANK	4/13/2018	VTRP180416Y	0.1 U	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
VOA TRIP BLANK	4/16/2018	VTRP180417Y	0.1 U	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
VOA TRIP BLANK	4/17/2018	VTRP180418Y	0.1 U	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
VOA TRIP BLANK	4/18/2018	VTRP180419Y	0.1 U	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
VOA TRIP BLANK	4/20/2018	VTRP180423Y	0.1 U	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
VOA TRIP BLANK	4/23/2018	VTRP180425Y	0.1 U	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
VOA TRIP BLANK	4/25/2018	VTRP180426Y	0.1 U	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
VOA TRIP BLANK	4/30/2018	VTRP180501Y	0.1 U	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
VOA TRIP BLANK	4/11/2018	VTRP180413X	0.1 U	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
VOA TRIP BLANK	4/13/2018	VTRP180416X	0.1 U	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
VOA TRIP BLANK	4/16/2018	VTRP180417X	0.1 U	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
VOA TRIP BLANK	4/17/2018	VTRP180418X	0.1 U	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
VOA TRIP BLANK	4/18/2018	VTRP180419X	0.1 U	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
VOA TRIP BLANK	4/26/2018	VTRP180430X	0.1 U	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
VOA TRIP BLANK	5/1/2018	VTRP180501X	0.1 U	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
VOA TRIP BLANK	5/2/2018	VTRP180503Y	0.1 U	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
VOA TRIP BLANK	5/2/2018	VTRP180503X	0.1 U	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
VOA TRIP BLANK	6/28/2018	VTRP180628X	0.1 U	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

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Carbon	Carbon	Chlorbenzene	Chlorodibr	Chloroethan	Chlorofo	Chloromethan	cis-1,2-	cis-1,3-	Dibromo	Dichlorodifl	Ethylbenzene
			Disulfide	Tetrachloride		omometha	e	m	e	Dichloroet	Dichloroprop	methane	uoromethan	
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3	75-71-8	100-41-4
MW-21	4/13/2018	W21-180413-	0.281	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-24	4/13/2018	W24-180413-	0.12 JT	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-30A	5/1/2018	W30A180501-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	2.29	0.25 U	0.1 U	0.1 U	0.1 U
MW-47	5/1/2018	W47-180501-	0.1 U	0.25 U	0.1 U	0.5 U	0.247	0.1 U	0.25 U	4.32	0.25 U	0.1 U	3.89	0.1 U
MW-56	4/12/2018	W56-180412-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.3	0.25 U	0.1 U	0.1 U	0.1 U
MW-59	4/12/2018	W59-180412-	0.17 JT	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	1.25	0.25 U	0.1 U	0.1 U	0.1 U
MW-62	5/3/2018	W62-180503-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	6.24	0.25 U	0.1 U	0.1 U	0.1 U
MW-62	5/3/2018	W62-180503D	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	6.32	0.25 U	0.1 U	0.1 U	0.1 U
MW-64	4/19/2018	W64-180419-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-65	4/23/2018	W65-180423-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 GU	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-66	4/18/2018	W66-180418-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-67	4/23/2018	W67-180423-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 GU	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-68	5/3/2018	W68-180503-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-69	5/3/2018	W69-180503-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-72	4/17/2018	W72-180417-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-73	4/13/2018	W73-180413-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-74	4/19/2018	W74R180419-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-75	5/1/2018	W75-180501-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-76	4/16/2018	W76-180416-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.403	0.25 U	0.1 U	0.1 U	0.1 U
MW-80	4/23/2018	W80-180423-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 GU	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-81	4/18/2018	W81-180418-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-82	4/13/2018	W82-180413-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-83	4/16/2018	W83-180416-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-84	4/19/2018	W84-180419-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-85	4/26/2018	W85-180426-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 GU	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-86	4/16/2018	W86-180416-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-87	4/25/2018	W87-180425-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 GU	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-88	4/17/2018	W88-180417-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-89	4/19/2018	W89-180419-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-93	6/28/2018	W93-180628-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-94	4/16/2018	W94-180416-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-95	4/16/2018	W95-180416-	0.11 JT	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-100	4/17/2018	W100180417-	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
MW-101	4/30/2018	W101180430-	0.1 U	0.25 U	0.1 U	0.5 U	0.14 JT	0.1 U	0.25 U	0.227	0.25 U	0.1 U	0.1 U	0.1 U
FIELD BLANK	4/18/2018	W81-180418F	0.255	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2018	VTRP180412Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/12/2018	VTRP180413Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Carbon	Carbon	Chlorbenzene	Chlorodibr	Chloroethan	Chlorofo	Chloromethan	cis-1,2-	cis-1,3-	Dibromo	Dichlorodifl	Ethylbenzene
			Disulfide	Tetrachloride		omometha	e	m	e	Dichloroet	Dichloroprop	methane	uoromethan	e
			75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3	75-71-8	100-41-4
VOA TRIP BLANK	4/13/2018	VTRP180416Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/16/2018	VTRP180417Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/17/2018	VTRP180418Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/18/2018	VTRP180419Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/20/2018	VTRP180423Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 GU	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/23/2018	VTRP180425Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 GU	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/25/2018	VTRP180426Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 GU	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/30/2018	VTRP180501Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/11/2018	VTRP180413X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/13/2018	VTRP180416X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/16/2018	VTRP180417X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/17/2018	VTRP180418X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/18/2018	VTRP180419X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	4/26/2018	VTRP180430X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/1/2018	VTRP180501X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/2/2018	VTRP180503Y	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/2/2018	VTRP180503X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/28/2018	VTRP180628X	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene
			ug/l MPX	ug/l 74-88-4	ug/l 75-09-2	ug/l 95-47-6	ug/l 100-42-5	ug/l 127-18-4	ug/l 108-88-3	ug/l 156-60-5	ug/l 10061-02-6	ug/l 110-57-6
MW-21	4/13/2018	W21-180413-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-24	4/13/2018	W24-180413-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-30A	5/1/2018	W30A180501-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.12 JT	0.1 U	0.1 U	0.5 U	5 U
MW-47	5/1/2018	W47-180501-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.14 JT	0.5 U	5 U
MW-56	4/12/2018	W56-180412-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-59	4/12/2018	W59-180412-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-62	5/3/2018	W62-180503-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-62	5/3/2018	W62-180503D	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-64	4/19/2018	W64-180419-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-65	4/23/2018	W65-180423-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-66	4/18/2018	W66-180418-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-67	4/23/2018	W67-180423-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-68	5/3/2018	W68-180503-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-69	5/3/2018	W69-180503-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-72	4/17/2018	W72-180417-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-73	4/13/2018	W73-180413-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-74	4/19/2018	W74R180419-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-75	5/1/2018	W75-180501-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-76	4/16/2018	W76-180416-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.409	0.1 U	0.1 U	0.5 U	5 U
MW-80	4/23/2018	W80-180423-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-81	4/18/2018	W81-180418-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-82	4/13/2018	W82-180413-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-83	4/16/2018	W83-180416-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-84	4/19/2018	W84-180419-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-85	4/26/2018	W85-180426-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-86	4/16/2018	W86-180416-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-87	4/25/2018	W87-180425-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-88	4/17/2018	W88-180417-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-89	4/19/2018	W89-180419-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-93	6/28/2018	W93-180628-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-94	4/16/2018	W94-180416-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-95	4/16/2018	W95-180416-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-100	4/17/2018	W100180417-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
MW-101	4/30/2018	W101180430-	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U
FIELD BLANK	4/18/2018	W81-180418F	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.11 JT	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/11/2018	VTRP180412Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/12/2018	VTRP180413Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene
			ug/l MPX	ug/l 74-88-4	ug/l 75-09-2	ug/l 95-47-6	ug/l 100-42-5	ug/l 127-18-4	ug/l 108-88-3	ug/l 156-60-5	ug/l 10061-02-6	ug/l 110-57-6
VOA TRIP BLANK	4/13/2018	VTRP180416Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/16/2018	VTRP180417Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/17/2018	VTRP180418Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/18/2018	VTRP180419Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/20/2018	VTRP180423Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/23/2018	VTRP180425Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/25/2018	VTRP180426Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/30/2018	VTRP180501Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/11/2018	VTRP180413X	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/13/2018	VTRP180416X	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/16/2018	VTRP180417X	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/17/2018	VTRP180418X	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/18/2018	VTRP180419X	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	4/26/2018	VTRP180430X	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	5/1/2018	VTRP180501X	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	5/2/2018	VTRP180503Y	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	5/2/2018	VTRP180503X	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U
VOA TRIP BLANK	6/28/2018	VTRP180628X	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Trichloroethene	Trichlorofluoro methane	Vinyl Acetate	Vinyl Chloride
			ug/l 79-01-6	ug/l 75-69-4	ug/l 108-05-4	ug/l 75-01-4
MW-21	4/13/2018	W21-180413-	0.1 U	0.1 U	0.1 U	0.01 U
MW-24	4/13/2018	W24-180413-	0.1 U	0.1 U	0.1 U	0.01 U
MW-30A	5/1/2018	W30A180501-	1.08	0.1 U	0.1 U	0.01 U
MW-47	5/1/2018	W47-180501-	0.1 U	0.1 U	0.1 U	5.13
MW-56	4/12/2018	W56-180412-	0.1 U	0.1 U	0.1 U	0.01 U
MW-59	4/12/2018	W59-180412-	0.1 U	0.1 U	0.1 U	0.01 U
MW-62	5/3/2018	W62-180503-	0.14 JT	0.1 U	0.1 U	0.01 U
MW-62	5/3/2018	W62-180503D	0.14 JT	0.1 U	0.1 U	0.01 U
MW-64	4/19/2018	W64-180419-	0.1 U	0.1 U	0.1 U	0.01 U
MW-65	4/23/2018	W65-180423-	0.1 U	0.1 U	0.1 U	0.028
MW-66	4/18/2018	W66-180418-	0.1 U	0.1 U	0.1 U	0.01 U
MW-67	4/23/2018	W67-180423-	0.1 U	0.1 U	0.1 U	0.01 U
MW-68	5/3/2018	W68-180503-	0.1 U	0.1 U	0.1 U	0.01 U
MW-69	5/3/2018	W69-180503-	0.1 U	0.1 U	0.1 U	0.01 U
MW-72	4/17/2018	W72-180417-	0.1 U	0.1 U	0.1 U	0.01 U
MW-73	4/13/2018	W73-180413-	0.1 U	0.1 U	0.1 U	0.01 U
MW-74	4/19/2018	W74R180419-	0.1 U	0.1 U	0.1 U	0.01 U
MW-75	5/1/2018	W75-180501-	0.1 U	0.1 U	0.1 U	0.01 U
MW-76	4/16/2018	W76-180416-	8.05	0.1 U	0.1 U	0.01 U
MW-80	4/23/2018	W80-180423-	0.1 U	0.1 U	0.1 U	0.01 U
MW-81	4/18/2018	W81-180418-	0.1 U	0.1 U	0.1 U	0.01 U
MW-82	4/13/2018	W82-180413-	5.28	0.1 U	0.1 U	0.01 U
MW-83	4/16/2018	W83-180416-	1.86	0.1 U	0.1 U	0.01 U
MW-84	4/19/2018	W84-180419-	0.1 U	0.1 U	0.1 U	0.01 U
MW-85	4/26/2018	W85-180426-	0.1 U	0.1 U	0.1 U	0.01 U
MW-86	4/16/2018	W86-180416-	0.1 U	0.1 U	0.1 U	0.01 U
MW-87	4/25/2018	W87-180425-	0.1 U	0.1 U	0.1 U	0.01 U
MW-88	4/17/2018	W88-180417-	0.1 U	0.1 U	0.1 U	0.01 U
MW-89	4/19/2018	W89-180419-	0.1 U	0.1 U	0.1 U	0.01 U
MW-93	6/28/2018	W93-180628-	0.1 U	0.1 U	0.1 U	0.01 U
MW-94	4/16/2018	W94-180416-	2.79	0.1 U	0.1 U	0.01 U
MW-95	4/16/2018	W95-180416-	0.1 U	0.1 U	0.1 U	0.01 U
MW-100	4/17/2018	W100180417-	0.1 U	0.1 U	0.1 U	0.01 U
MW-101	4/30/2018	W101180430-	0.1 U	0.1 U	0.1 U	0.223
FIELD BLANK	4/18/2018	W81-180418F	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/11/2018	VTRP180412Y	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/12/2018	VTRP180413Y	0.1 U	0.1 U	0.1 U	0.01 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- Groundwater VOAs Analytical Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Trichloroethene	Trichlorofluoro methane	Vinyl Acetate	Vinyl Chloride
			ug/l 79-01-6	ug/l 75-69-4	ug/l 108-05-4	ug/l 75-01-4
VOA TRIP BLANK	4/13/2018	VTRP180416Y	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/16/2018	VTRP180417Y	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/17/2018	VTRP180418Y	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/18/2018	VTRP180419Y	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/20/2018	VTRP180423Y	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/23/2018	VTRP180425Y	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/25/2018	VTRP180426Y	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/30/2018	VTRP180501Y	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/11/2018	VTRP180413X	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/13/2018	VTRP180416X	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/16/2018	VTRP180417X	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/17/2018	VTRP180418X	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/18/2018	VTRP180419X	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	4/26/2018	VTRP180430X	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/1/2018	VTRP180501X	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/2/2018	VTRP180503Y	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/2/2018	VTRP180503X	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	6/28/2018	VTRP180628X	0.1 U	0.1 U	0.1 U	0.01 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	1,1-Dichloro- Propene 563-58-6 (ug/L)	1,2,4,5- Tetrachloro- Benzene 95-94-3 (ug/L)	1,2,4-Trichloro- Benzene 120-82-1 (ug/L)	1,2-Diphenyl- Hydrazine 122-66-7 (ug/L)	1,3,5-Trinitro- Benzene 99-35-4 (ug/L)	1,3-Dichloro- Benzene 541-73-1 (ug/L)	1,3-Dichloro- Propane 142-28-9 (ug/L)	1,4-Naphtho- Quinone 130-15-4 (ug/L)	1-Naphthyl- Amine 134-32-7 (ug/L)	2,2-Dichloro- Propane 594-20-7 (ug/L)
MW-101	4/30/2018	W101180430-	0.1 U	0.99 U	0.5 U	0.2 U	0.5 U	0.1 U	0.1 U	0.99 U	5 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	2,2-Oxybis (1-Chloro-Propane)	2,4,5-T	2,4,5-Tp Silvex	2,4,5-Trichloro-Phenol	2,4,6-Trichloro-Phenol	2,4-D	2,4-Dichloro-Phenol	2,4-Dimethyl-Phenol	2,4-Dinitro-Phenol	2,4-Dinitro-Toluene	2,6-Dichloro-Phenol	2,6-Dinitro-Toluene
			108-60-1 (ug/L)	93-76-5 (ug/L)	93-72-1 (ug/L)	95-95-4 (ug/L)	88-06-2 (ug/L)	94-75-7 (ug/L)	120-83-2 (ug/L)	105-67-9 (ug/L)	51-28-5 (ug/L)	121-14-2 (ug/L)	87-65-0 (ug/L)	606-20-2 (ug/L)
MW-101	4/30/2018	W101180430-	0.5 U	0.025 U	0.025 U	0.99 U	0.99 U	0.05 U	0.5 U	2 U	9.9 U	0.99 U	0.5 U	0.99 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	2-Acetylamino-Fluorene 53-96-3 (ug/L)	2-Chloro-Naphthalene 91-58-7 (ug/L)	2-Chlorophenol 95-57-8 (ug/L)	2-Methyl-1-Propanol 78-83-1 (ug/L)	2-Methyl-Naphthalene 91-57-6 (ug/L)	2-Methylphenol 95-48-7 (ug/L)	2-Naphthylamine 91-59-8 (ug/L)	2-Nitroaniline 88-74-4 (ug/L)	2-Nitrophenol 88-75-5 (ug/L)	2,3,7,8-Tcdd 1746-01-6 (pg/L)	3,3-Dichloro-Benzidine 91-94-1 (ug/L)
MW-101	4/30/2018	W101180430-	0.99 U	0.5 U	0.5 U	5 U	0.025 U	0.5 U	5 U	0.99 U	0.2 U	-	0.2 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	3,3'-Dimethyl- Benzidine	3,4- Methylphenol Mixture	3-Chloro- Propene	3-Methylchlor- Anthrene	3- Nitroanilin e	4,4'Ddd	4,4'Dde	4,4'Ddt	4,6-Dinitro-2- Methylphenol	4-Amino- Biphenyl	4-Bromophenyl Phenyl Ether
			119-93-7 (ug/L)	15831-10-4 (ug/L)	107-05-1 (ug/L)	56-49-5 (ug/L)	99-09-2 (ug/L)	72-54-8 (ug/L)	72-55-9 (ug/L)	50-29-3 (ug/L)	534-52-1 (ug/L)	92-67-1 (ug/L)	101-55-3 (ug/L)
MW-101	4/30/2018	W101180430-	5 GU	0.5 U	0.1 U	0.5 U	0.99 U	0.005 U	0.005 U	0.005 U	0.99 U	2 U	0.5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	4-Chloro-3-Methylphenol	4-Chlorophenyl Phenyl Ether	4-Dimethylaminoazobenzene	4-Nitroaniline	4-Nitrophenol	5-Nitro-O-Toluidine	7,12-Dimethylbenz-(A)Anthracene	Acenaphthylene	Acenaphthalene
			59-50-7 (ug/L)	7005-72-3 (ug/L)	60-11-7 (ug/L)	100-01-6 (ug/L)	100-02-7 (ug/L)	99-55-8 (ug/L)	57-97-6 (ug/L)	208-96-8 (ug/L)	83-32-9 (ug/L)
MW-101	4/30/2018	W101180430-	0.5 U	0.5 U	0.99 U	5 U	5 U	2 U	0.5 U	0.025 U	0.025 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Acetonitrile 75-05-8 (ug/L)	Acetophenone 98-86-2 (ug/L)	Acrolein 107-02-8 (ug/L)	Aldrin 309-00-2 (ug/L)	Alpha Bhc 319-84-6 (ug/L)	Alpha Chlordane 5103-71-9 (ug/L)	Alpha- Terpineol 98-55-5 (ug/L)	Aniline 62-53-3 (ug/L)	Anthracene 120-12-7 (ug/L)	Aroclor 1016 12674-11-2 (ug/L)	Aroclor 1221 11104-28-2 (ug/L)	Aroclor 1232 11141-16-5 (ug/L)
MW-101	4/30/2018	W101180430-	5 U	0.5 U	2.5 U	0.005 U	0.005 U	0.005 U	0.5 U	0.99 U	0.05 U	0.00625 U	0.00625 U	0.00625 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Benzo(A)-Anthracene	Benzo(A)Pyrene	Benzo(B,J,K)-Fluoranthrene	Benzo(G,H,I)-Perylene	Benzoic Acid	Benzyl Alcohol
			53469-21-9 (ug/L)	12672-29-6 (ug/L)	11097-69-1 (ug/L)	11096-82-5 (ug/L)	56-55-3 (ug/L)	50-32-8 (ug/L)	BJK (ug/L)	191-24-2 (ug/L)	65-85-0 (ug/L)	100-51-6 (ug/L)
MW-101	4/30/2018	W101180430-	0.00625 U	0.00625 U	0.00625 U	0.00625 U	0.05 U	0.05 U	0.05 U	0.05 U	9.9 U	5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Beta Bhc 319-85-7 (ug/L)	Bis-(2- Chloroethoxy)- Methane 111-91-1 (ug/L)	Bis-(2- Chloroethyl)- Ether 111-44-4 (ug/L)	Bis(2- Ethylhexyl)- Phthalate 117-81-7 (ug/L)	Butyl-Benzyl- Phthalate 85-68-7 (ug/L)	Chlordecone (Kepone) 143-50-0 (ug/L)	Chlorobenzilate 510-15-6 (ug/L)	Chlorophenols 58-90-2 (ug/L)	Chloroprene 126-99-8 (ug/L)	Chrysene 218-01-9 (ug/L)
MW-101	4/30/2018	W101180430-	0.005 U	0.5 U	0.5 U	34.7 DJ	1 U	5 U	0.5 U	0.99 U	0.1 U	0.05 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Cis-Diallate	Cygon	Delta Bhc	Diallate	Dibenzo(A,H)-Anthracene	Dibenzofuran	Dieldrin	Diethyl-Phthalate	Dimethyl-Phthalate	Di-N-Butylphthalate
			17708-57-5 (ug/L)	60-51-5 (ug/L)	319-86-8 (ug/L)	2303-16-4 (ug/L)	53-70-3 (ug/L)	132-64-9 (ug/L)	60-57-1 (ug/L)	84-66-2 (ug/L)	131-11-3 (ug/L)	84-74-2 (ug/L)
MW-101	4/30/2018	W101180430-	0.04 U	0.1 U	0.005 U	0.04 U	0.05 U	0.5 U	0.005 U	1.1 JT	1.6 JT	1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Di-N-Octyl Phthalate	Dinoseb	Diphenylamine	Disulfoton	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Ethyl Methacrylate
			117-84-0 (ug/L)	88-85-7 (ug/L)	122-39-4 (ug/L)	298-04-4 (ug/L)	959-98-8 (ug/L)	33213-65-9 (ug/L)	1031-07-8 (ug/L)	72-20-8 (ug/L)	7421-93-4 (ug/L)	97-63-2 (ug/L)
MW-101	4/30/2018	W101180430-	1 U	0.025 U	0.5 U	0.04 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Ethyl Methane-Sulfonate 62-50-0 (ug/L)	Famphur 52-85-7 (ug/L)	Fluoranthene 206-44-0 (ug/L)	Fluorene 86-73-7 (ug/L)	Heptachlor 76-44-8 (ug/L)	Heptachlor Epoxide 1024-57-3 (ug/L)	Hexachloro-Benzene 118-74-1 (ug/L)	Hexachloro-Butadiene 87-68-3 (ug/L)	Hexachloro-Cyclo-Pentadiene 77-47-4 (ug/L)	Hexachloro-Ethane 67-72-1 (ug/L)
MW-101	4/30/2018	W101180430-	0.5 U	0.04 U	0.05 U	0.05 U	0.005 U	0.005 U	0.2 U	2 U	5 U	5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Hexachloro-Propene 1888-71-7 (ug/L)	Indeno(1,2,3-C,D)-Pyrene 193-39-5 (ug/L)	Isodrin 465-73-6 (ug/L)	Isophorone 78-59-1 (ug/L)	Isosafrole 120-58-1 (ug/L)	Lindane (Gamma Bhc) 58-89-9 (ug/L)	M-Dinitrobenzene 99-65-0 (ug/L)	Methapyrilen e 91-80-5 (ug/L)	Methoxychlor 72-43-5 (ug/L)	Methyl Methacrylate 80-62-6 (ug/L)
MW-101	4/30/2018	W101180430-	2 U	0.05 U	0.005 U	0.5 U	0.5 U	0.005 U	0.99 U	50 U	0.025 U	0.25 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Methyl Methane-Sulfonate 66-27-3 (ug/L)	Methyl Parathion 298-00-0 (ug/L)	Methylacrylonitrile 126-98-7 (ug/L)	Naphthalene 91-20-3 (ug/L)	Nitrobenzene 98-95-3 (ug/L)	N-Nitroso-Diethylamine 55-18-5 (ug/L)	N-Nitroso-Dimethylamine 62-75-9 (ug/L)	N-Nitrosodi-N-Butylamine 924-16-3 (ug/L)	N-Nitroso-Diphenylamine 86-30-6 (ug/L)
MW-101	4/30/2018	W101180430-	0.5 U	0.04 U	0.1 U	0.025 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	N-Nitroso-Dipropylamine 621-64-7 (ug/L)	N-Nitroso-Methyl-Ethalamine 10595-95-6 (ug/L)	N-Nitroso-Piperidine 100-75-4 (ug/L)	N-Nitroso-Pyrrolidine 930-55-2 (ug/L)	O,O,O-Triethyl Phospho-Thioate 126-68-1 (ug/L)	O,O-Diethyl O-Pyrazinyl Phospho-Thioate 297-97-2 (ug/L)	O-Toluidine 95-53-4 (ug/L)	Parathion 56-38-2 (ug/L)	P-Chloroaniline 106-47-8 (ug/L)	Pentachloro-Benzene 608-93-5 (ug/L)
MW-101	4/30/2018	W101180430-	0.5 U	0.5 U	0.99 U	0.99 U	0.04 U	0.04 U	0.099 U	0.04 U	0.99 U	0.5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Pentachloronitrobenzene	Pentachlorophenol	Phenacetin	Phenanthrene	Phenol	Phorate	Phorate	P-Phenylene-Diamine	Propionitrile	Propyzamide
			82-68-8 (ug/L)	87-86-5 (ug/L)	62-44-2 (ug/L)	85-01-8 (ug/L)	108-95-2 (ug/L)	122-08-8 (ug/L)	298-02-2 (ug/L)	106-50-3 (ug/L)	107-12-0 (ug/L)	23950-58-5 (ug/L)
MW-101	4/30/2018	W101180430-	0.5 U	2 U	0.5 U	0.05 U	0.5 U	20 GU	0.04 U	20 GU	0.5 U	0.04 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill --- MW-101 Appendix III Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Pyrene 129-00-0 (ug/L)	Safrole 94-59-7 (ug/L)	Total Aroclors T_AROCLOR (ug/L)	Toxaphene 8001-35-2 (ug/L)	Trans- Chlordane 5103-74-2 (ug/L)	Trans-Diallate 17708-58-6 (ug/L)
MW-101	4/30/2018	W101180430-	0.05 U	0.99 U	0.00625 U	0.5 U	0.005 U	0.04 U

Surface Water Analytical Data

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018

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

Contact Person: Sindy Jimenez (206) 477-5224

Staff Gage	Location	Date	Reference Elevation Staff Gage 0' (msl)	Reference Elevation Top of Peizo (msl)	Depth to Water (Peizometer) (feet)	Staff Gage Reading (feet)	Surface Water Elevation (msl)
SW-G1	SW-W1	4/6/2018	415.38	418.84		0.76	416.14
SW-G1	SW-W1	5/2/2018	415.38	418.84		0.78	416.16
SW-G1	SW-W1	6/20/2018	415.38	418.84		2.48	417.86
SW-G2	SW-N1	4/6/2018	355.68	358.21		0.68	356.36
SW-G2	SW-N1	5/2/2018	355.68	358.21		0.46	356.14
SW-G2	SW-N1	6/20/2018	355.68	358.21		0.28	360.21
SW-G3	SW -V	4/6/2018	466.46	469.88		4.53	469.88
SW-G3	SW -V	5/2/2018	466.46	469.88		4.76	466.46
SW-G3	SW -V	6/20/2018	466.46	469.88			466.84
SW-G4	Upstream of SW-E1	4/6/2018	502.41	505.85		0.38	505.85
SW-G4	Upstream of SW-E1	4/30/2018	502.41	505.85		0.26	502.41
SW-G4	Upstream of SW-E1	5/2/2018	502.41	505.85		0.28	503.01
SW-G4	Upstream of SW-E1	6/20/2018	502.41	505.85			503.01
SW-G5	SW-E1	4/6/2018	486.92	490.34		0.60	487.52
SW-G5	SW-E1	4/30/2018	486.92	490.34		0.60	491.82
SW-G5	SW-E1	5/2/2018	486.92	490.34		0.60	490.34
SW-G5	SW-E1	6/20/2018	486.92	490.34		4.90	490.34
SW-G6	Upstream of SW-GS1	4/6/2018	490.72	494.12		2.73	491.50
SW-G6	Upstream of SW-GS1	5/2/2018	490.72	494.12		3.06	491.30
SW-G6	Upstream of SW-GS1	6/20/2018	490.72	494.12			497.84
SW-G7	SW-S2	4/6/2018	453.03	456.41		0.78	453.45
SW-G7	SW-S2	5/2/2018	453.03	456.41		0.58	453.03
SW-G7	SW-S2	6/20/2018	453.03	456.41		7.12	453.57
SW-G8	Upstream of SW-S1	4/6/2018	510.61	515.56		0.54	511.09
SW-G8	Upstream of SW-S1	5/2/2018	510.61	515.56		0.42	515.56
SW-G8	Upstream of SW-S1	6/20/2018	510.61	515.56			515.56
SW-G9	SW-S1	4/6/2018	490.93	494.35		0.54	494.35
SW-G9	SW-S1	5/2/2018	490.93	494.35		0.48	494.35
SW-G9	SW-S1	6/20/2018	490.93	494.35		3.53	494.35

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Surface Water Field Parameters
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field) (std. Units)	Conductance (Field) (umho/cm)	Temperature (°C)	Turbidity (NTU)	Oxygen, Dissolved (mg/L)
SW-E1	4/30/2018	SE1-180430Q	6.59	47.6	9.63	1.53	7.44
SW-GS1	4/4/2018	SGS1180404P	6.34	214.4	10.43	4.56	7.84
SW-N4	4/4/2018	SN4-180404P	6.49	100.2	9.506	-	11.48
SW-SL3	4/4/2018	SSL3180404P	6.75	102.8	90.8	-	9.96
SW-EMER	5/24/2018	SWET180524E	6.95	2300	16.1	-	-

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Surface Water ISGP Analytes
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Ammonia, (NH3) (mg/L)	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Copper, total (mg/L)	Zinc, total (mg/L)
SW-GS1	4/4/2018	SGS1180404P	0.319	2 U	3	2.1	0.00139
SW-N4	4/4/2018	SN4-180404P	0.0282	2 U	1.1	9.4	0.0124
SW-SL3	4/4/2018	SSL3180404P	0.006 T	2 U	3	15.1	0.0092
SW-SL3	4/4/2018	SSL3180404F	0.002 U	2 U	0.5 U	-	0.0005 U
EMER	5/24/2018	SWET180524E	189	452	20.2	0.0312	0.153

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Surface Water VOAs Analytes
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	4-Methyl-phenol 106-44-5 (ug/L)	Alpha Terpineol 98-55-5 (ug/L)	Benzoic Acid 65-85-0 (ug/L)	Phenol 108-95-2 (ug/L)
SW-GS1	4/4/2018	SGS1180404P	0.47 U	0.47 U	9.4 U	0.47 U
SW-N4	4/4/2018	SN4-180404P	0.49 U	0.49 U	9.8 U	0.49 U
SW-SL3	4/4/2018	SSL3180404P	0.5 U	0.5 U	10 U	0.5 U
SW-SL3	4/4/2018	SSL3180404F	0.5 U	0.5 U	10 U	0.5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---SW-E1 Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,1,1,2- TETRACHLO ROETHANE	1,1,1- TRICHLOROET HANE	1,1,2,2- TETRACHLOR OETHANE	1,1,2- TRICHLORO THANE	1,1- DICHLORO ETHANE	1,1- DICHLORO THENE	1,2,3- TRICHLORO PROPANE	1,2- DIBROMO-3- CHLOROPR	1,2- DIBROMOE THANE	1,2- DICHLORO ENZENE
			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
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
			N	N	N	N	N	N	N	N	N	N
SW-E1	4/30/2018	SE1-180430Q	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

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---SW-E1 Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,2-DICHLOROE THANE	1,2-DICHLOROPROP	1,4-DICHLOROBENZ	2-BUTANONE	2-HEXANONE	4-METHYL-2-	ACETONE	ACRYLONITRILE	ALKALINITY, TOTAL	AMMONIA AS N	ANTIMONY D	ANTIMONY T
			107-06-2	78-87-5	106-46-7	78-93-3	591-78-6	108-10-1	67-64-1	107-13-1	ALK	7664-41-7	7440-36-0	7440-36-0
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l
			N	N	N	N	N	N	N	N	N	N	D	T
SW-E1	4/30/2018	SE1-180430Q	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U	2.5 U	0.035 U	19.8	0.0044 T	0.0003 U	0.0003 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---SW-E1 Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	ARSENIC	ARSENIC	BARIUM	BARIUM	BENZENE	BERYLLI UM	BERYLLIU M	BROMOCH LOROMETH ANE	BROMODIC HLOROMET HANE	BROMOFOR M	BROMOMET HANE
			7440-38-2 mg/l D	7440-38-2 mg/l T	7440-39-3 mg/l D	7440-39-3 mg/l T	71-43-2 ug/l N	7440-41-7 mg/l D	7440-41-7 mg/l T	74-97-5 ug/l N	75-27-4 ug/l N	75-25-2 ug/l N	74-83-9 ug/l N
SW-E1	4/30/2018	SE1-180430Q	0.000284	0.000446	0.0031	0.0158	0.1 U	0.0001 U	0.0001 U	0.1 U	0.25 U	0.5 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---SW-E1 Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	CADMIUM 7440-43-9 mg/l D	CADMIUM 7440-43-9 mg/l T	CALCIUM 7440-70-2 mg/l D	CALCIUM 7440-70-2 mg/l T	CARBON DISULFID E 75-15-0 ug/l N	CARBON TETRAC HLORIDE 56-23-5 ug/l N	CHLORI DE 10887-00-6 mg/l N	CHLORO BENZEN E 108-90-7 ug/l N	CHLORODIBRO MOMETHANE 124-48-1 ug/l N	CHLOROET HANE 75-00-3 ug/l N	CHLOROFORM 67-66-3 ug/l N
SW-E1	4/30/2018	SE1-180430Q	5E-05 U	5E-05 U	5.14	5.35	0.1 U	0.25 U	1.19	0.1 U	0.5 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---SW-E1 Analytical Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	CHLOROMET HANE 74-87-3 ug/l N	CHROMIUM 7440-47-3 mg/l D	CHROMIUM 7440-47-3 mg/l T	CIS-1,2- DICHLOR OETHEN 156-59-2 ug/l N	CIS-1,3- DICHLOR OPROPE 100001-01- z ug/l N	COBALT 7440-48-4 mg/l D	COBALT 7440-48-4 mg/l T	COPPER 7440-50-8 mg/l D	COPPER 7440-50-8 mg/l T
SW-E1	4/30/2018	SE1-180430Q	0.25 U	0.0002 U	0.000389	0.1 U	0.25 U	7.74E-05	0.00033	0.00057	0.00109

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---SW-E1 Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	DIBROMOM	DICHLORO	ETHYLBENZ	IRON	IRON	LEAD	LEAD	M & P	MAGNESIU	MAGNESIU	MANGANES	MANGANES
			ETHANE	DIFLUORO METHANE	ENE	7439-89-6	7439-89-6	7439-92-1	7439-92-1	MPX	M	M	E	E
			74-95-3	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
			ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l	mg/l	mg/l	mg/l
			N	N	N	D	T	D	T	N	D	T	D	T
SW-E1	4/30/2018	SE1-180430Q	0.1 U	0.1 U	0.1 U	0.0612	0.307	0.0001 U	0.000383	0.1 U	1.06	1.26	0.0519	0.258

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---SW-E1 Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	MERCURY	MERCURY	METHYL IODIDE	METHYLEN E CHLORIDE	NICKEL	NICKEL	NITRATE	O-XYLENE	POTASSIUM	POTASSIU M
			7439-97-6 mg/l D	7439-97-6 mg/l T	74-88-4 ug/l N	75-09-2 ug/l N	7440-02-0 mg/l D	7440-02-0 mg/l T	14797-55-8 mg/l N	95-47-6 ug/l N	7440-09-7 mg/l D	7440-09-7 mg/l T
SW-E1	4/30/2018	SE1-180430Q	5E-05 U	5E-05 U	0.1 U	2.5 U	0.000193	0.000485	0.03 T	0.1 U	0.462	0.55

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---SW-E1 Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	SELENIUM	SELENIUM	SILVER	SILVER	SODIUM	SODIUM	SPECIFIC CONDUCTANCE	STYRENE	SULFATE	TETRACHLO ROETHENE
			7782-49-2 mg/l D	7782-49-2 mg/l T	7440-22-4 mg/l D	7440-22-4 mg/l T	7440-23-5 mg/l D	7440-23-5 mg/l T	COND umhos/cm N	100-42-5 ug/l N	14808-79-8 mg/l N	127-18-4 ug/l N
SW-E1	4/30/2018	SE1-180430Q	0.0005 U	0.0005 U	4E-05 U	4E-05 U	2.63	2.8	50	0.1 U	0.518	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---SW-E1 Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	THALLIUM 7440-28-0 mg/l D	THALLIUM 7440-28-0 mg/l T	TOLUENE 108-88-3 ug/l N	TOTAL DISSOLVED SOLIDS TDS mg/l N	TOTAL ORGANIC CARBON TOC mg/l N	TOTAL SOLIDS TS mg/l N	TOTAL SUSPENDED SOLIDS TSS mg/l N	TRANS-1,2- DICHLORO ETHENE 156-60-5 ug/l N	TRANS-1,3- DICHLOROP ROPENE 10061-02-6 ug/l N	TRANS-1,4- DICHLORO-2- BUTENE 110-57-6 ug/l N
SW-E1	4/30/2018	SE1-180430Q	0.0001 U	0.0001 U	0.1 U	49.5	3.28	64.7	10.2	0.1 U	0.5 U	5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---SW-E1 Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	TRICHLORO ETHENE	TRICHLORO FLUOROME THANE	VANADIUM	VANADIUM	VINYL ACETATE	VINYL CHLORIDE	ZINC	ZINC
			79-01-6 ug/l N	75-69-4 ug/l N	7440-62-2 mg/l D	7440-62-2 mg/l T	108-05-4 ug/l N	75-01-4 ug/l N	7440-66-6 mg/l D	7440-66-6 mg/l T
SW-E1	4/30/2018	SE1-180430Q	0.1 U	0.1 U	0.000353	0.000815	0.1 U	0.01 U	0.00186	0.00312

Washington Department of Ecology Electronic Submission Cover Letter



WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1624733 - 5/8/2018 8:50:21 PM

Company Name	Signer Name	System Name
Herrera Environmental Consultants	George Iftner	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for Herrera Environmental Consultants	Copy of Record HerreraEnvironmentalConsultants Tuesday May 8 2018

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



DIN5Pfe0QZcxU4L9oDtDs01733tJDseOumpH/9uptzvuci5/I7OpnsClS5sy3WcyM3b21d9ytxDN/+05IJsHCfNzUIV1J8kkXbGq/omz68c=



Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: Queen City Farms Lake (QCFL)

Monitoring Period: 04/01/2018 - 04/30/2018

Outfall: CHL - Queen City Farms Lake (QCFL)

Version: 1

Week	Monitoring Point	Turbidity (NTU)	pH
		Measured NTU Weekly Grab	Standard Units Weekly Grab
		CHL	CHL
1-M	4/2/18	2.23	M
1-Th	4/5/18	6.35	M
2-M	4/9/18	2.53	M
2-F	4/13/18	3.5	M
3-M	4/16/18	146.5	M
3-T	4/17/18	101	M
3-W	4/18/18	91.1	M
3-Th	4/19/18	28	M
3-F	4/20/18	8.45	M
4-T	4/24/18	5.02	M
5-M	4/30/18	12.1	M
Minimum			M BM: >= 6.5 (RO)
Maximum		146.5 BM: <= 25 (RO)	M BM: <= 8.5 (RO)

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

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Construction Stormwater Chemical Treatment
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	2	Check Dams
	2	Construction Stormwater Chemical Treatment
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	3	Check Dams
	3	Construction Stormwater Chemical Treatment
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	4	Check Dams
	4	Construction Stormwater Chemical Treatment
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	5	Check Dams
	5	Construction Stormwater Chemical Treatment



	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond



Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: gravel pit lake

Monitoring Period: 04/01/2018 - 04/30/2018

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	4/2/18	2.81	M
1-Th	4/5/18	3.24	M
2-M	4/9/18	3.56	M
2-F	4/13/18	17	M
3-M	4/16/18	20.2	M
3-T	4/17/18	17.7	M
4-T	4/24/18	4.95	M
5-M	4/30/18	4.26	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		20.2	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

BMPs

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



	5	Triangular Silt Dike
--	---	----------------------



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: McDonald Creek

Monitoring Period: 04/01/2018 - 04/30/2018

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

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-Su	4/1/18				
1-M	4/2/18	20.5	M	2.85	M
1-Th	4/5/18	11.8	M	2.39	M
2-M	4/9/18	89.9	M	5.07	M
2-T	4/10/18	29.8	M		
2-W	4/11/18	27.5	M		
2-Th	4/12/18	38.4	M		
2-F	4/13/18	47	M	4.89	M
3-M	4/16/18	40.7	M	5.25	M
3-T	4/17/18	137	M	4.72	M
3-W	4/18/18	32.8	M		
3-Th	4/19/18	30.7	M		
3-F	4/20/18	17.3	M		
4-T	4/24/18	10.8	M	3.48	M
5-M	4/30/18	5.44	M	4.21	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		137	M	5.25	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	5	Check Dams



	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond

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.

George Iftner

5/8/2018 8:50:19 PM

Signature

Date

Washington Department of Ecology Electronic Submission Cover Letter



**WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1629364 - 6/11/2018
9:50:17 AM**

Company Name	Signer Name	System Name
Herrera Environmental Consultants	George Iftner	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for Herrera Environmental Consultants	Copy of Record HerreraEnvironmentalConsultants Monday June 11 2018

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



Y9BZbS0oqGKvwkP3ndFYrioNLzi99YV4GD0ci8oiIR0NNrhtODaMAIq80OzArHLx8nKs91GI2aIIZ7AEuFv7WIND1sbc6Ywut0/A/qcwyNE=



Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: Queen City Farms Lake (QCFL)

Monitoring Period: 05/01/2018 - 05/31/2018

Outfall: CHL - Queen City Farms Lake (QCFL)

Version: 1

Week	Monitoring Point	Turbidity (NTU)	pH
		Measured NTU Weekly Grab	Standard Units Weekly Grab
		CHL	CHL
2-Su	5/6/18		
2-M	5/7/18	6.28	M
3-M	5/14/18	4.2	M
4-M	5/21/18	2.42	M
5-M	5/28/18	2.69	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		6.28	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

Overall DMR Notes/Comment

Monday April 30th was start of the work week. Turbidity monitoring results were as follows on 4/30/2018: C1 = 5.44, C2 = 4.21, C3 = 4.26, C4 = 12.1
pH monitoring not required.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond



Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: gravel pit lake

Monitoring Period: 05/01/2018 - 05/31/2018

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
2-Su	5/6/18		
2-M	5/7/18	2.78	M
3-M	5/14/18	C	M
4-M	5/21/18	C	M
5-M	5/28/18	C	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		2.78	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

Overall DMR Notes/Comment

Monday April 30th was start of the work week. Turbidity monitoring results were as follows on 4/30/2018: C1 = 5.44, C2 = 4.21, C3 = 4.26, C4 = 12.1
pH monitoring not required.

BMPs

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



	5	Temporary Sediment Pond
	5	Triangular Silt Dike



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: McDonald Creek

Monitoring Period: 05/01/2018 - 05/31/2018

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
2-Su	5/6/18				
2-M	5/7/18	2.56	M	2.09	M
3-M	5/14/18	3.61	M	3.15	M
4-M	5/21/18	C	M	C	M
5-M	5/28/18	C	M	C	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		3.61	M	3.15	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

Overall DMR Notes/Comment

Monday April 30th was start of the work week. Turbidity monitoring results were as follows on 4/30/2018: C1 = 5.44, C2 = 4.21, C3 = 4.26, C4 = 12.1
pH monitoring not required.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond



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.

George Iftner

6/11/2018 9:50:15 AM

Signature

Date

Washington Department of Ecology

Electronic Submission Cover Letter



WQWebDMR - Permit# WAR305034 - DMR Submission Id: 1632704 - 7/6/2018 9:11:29 AM

Company Name	Signer Name	System Name
Herrera Environmental Consultants	George Iftner	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for Herrera Environmental Consultants	Copy of Record HerreraEnvironmentalConsultants Friday July 6 2018

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



zQm4oqW7SYjdjRTbmOfg6BWZ98W8161xIw4QdrhAAfuCiyzQqFypBdyaKJIGXTirdt3TLZ6WicBYD8il79CP0LpXLXzYP6
2LwvbJxySwSgA=



Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: Queen City Farms Lake (QCFL)

Monitoring Period: 06/01/2018 - 06/30/2018

Outfall: CHL - Queen City Farms Lake (QCFL)

Version: 1

Week	Monitoring Point	Turbidity (NTU)	pH
		Measured NTU Weekly Grab	Standard Units Weekly Grab
		CHL	CHL
1-F	6/1/18		
2-W	6/6/18	C	M
3-M	6/11/18	0.55	M
4-M	6/18/18	C	M
5-W	6/27/18	C	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		0.55	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

Overall DMR Notes/Comment

Sampling was conducted on 5/28 during the work week, and there were no discharges from the site, except for C4 which measured 2.69 NTU. pH monitoring condition/not required. Therefore, sampling not conducted on June 1st.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond



Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: gravel pit lake

Monitoring Period: 06/01/2018 - 06/30/2018

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

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured	pH Standard Units
		NTU Weekly Grab	Weekly Grab
		C3	C3
1-F	6/1/18		
2-W	6/6/18	C	M
3-M	6/11/18	C	M
4-M	6/18/18	C	M
5-W	6/27/18	C	M
Minimum			M
			BM: >= 6.5 (RO)
Maximum		C	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

Overall DMR Notes/Comment

Sampling was conducted on 5/28 during the work week, and there were no discharges from the site, except for C4 which measured 2.69 NTU. pH monitoring condition/not required. Therefore, sampling not conducted on June 1st.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond



Permit Number: WAR305034

Permittee: Cedar Hills regional Landfill

Facility County: King

Receiving Waterbody: McDonald Creek

Monitoring Period: 06/01/2018 - 06/30/2018

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

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C1	C1	C2	C2
1-F	6/1/18				
2-W	6/6/18	C	M	C	M
3-Su	6/10/18				
3-M	6/11/18	4.18	M	2.76	M
4-M	6/18/18	C	M	C	M
5-Su	6/24/18				
5-W	6/27/18	C	M	C	M
Minimum			M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		4.18	M	2.76	M
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

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

Overall DMR Notes/Comment

Sampling was conducted on 5/28 during the work week, and there were no discharges from the site, except for C4 which measured 2.69 NTU. pH monitoring condition/not required. Therefore, sampling not conducted on June 1st.

BMPs

Monitoring Point	Week	BMP
	1	Check Dams
	1	Sediment Trap
	1	Silt Fence
	1	Straw Wattles
	1	Temporary Sediment Pond
	2	Check Dams
	2	Sediment Trap
	2	Silt Fence
	2	Straw Wattles
	2	Temporary Sediment Pond
	3	Check Dams
	3	Sediment Trap
	3	Silt Fence
	3	Straw Wattles
	3	Temporary Sediment Pond
	4	Check Dams
	4	Sediment Trap
	4	Silt Fence
	4	Straw Wattles
	4	Temporary Sediment Pond
	5	Check Dams
	5	Sediment Trap
	5	Silt Fence
	5	Straw Wattles
	5	Temporary Sediment Pond



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.

George Iftner

7/6/2018 9:11:27 AM

Signature

Date

Washington Department of Ecology

Electronic Submission Cover Letter



**WQWebDMR - Permit# WAR000756 - DMR Submission Id: 1639365 - 8/15/2018
1:59:18 PM**

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

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for King County Solid Waste Division	Copy of Record KingCountySolidWasteDivision Wednesday August 15 2018

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



nHG+7x+viuPdDrr+wa7pD3qnzWRQm8Ksjd1rFMGHjfwKVNaP0+v6DB1Kr1SdvVn
+qDRPQCmcOU/eh5w2t8ebYMKO6hSr6q5RjZ9gWBtM74=



Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permit Number: WAR000756

Permittee: CEDAR HILLS LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 04/01/2018 - 06/30/2018

Outfall: GS1 - Discharge to unnamed stream (wetland)

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	Total 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
Week	Monitoring Point	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1	GS1
Limit Set		ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
13-Sa	6/30/18	4.56	6.34	No	A	1.39	<2	2.1	0.319	<0.47	<9.4	<0.47
Minimum			6.34 BM: >= 5.0 (RO)									
Average		4.56 BM: <= 25			A BM: <= 14	A BM: <= 117						
Maximum			6.34 BM: <= 9.0 (RO)									
Month 1 Average							<2 <= 37	2.1 <= 27	0.319 <= 4.9	<0.47 <= 16	<9.4 <= 71	<0.47 <= 14
Month 2 Average							M <= 37	M <= 27	M <= 4.9	M <= 16	M <= 71	M <= 14
Month 3 Average							M <= 37	M <= 27	M <= 4.9	M <= 16	M <= 71	M <= 14

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



Week	Monitoring Point	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	pH Standard Units Quarterly Grab
Week	Monitoring Point	GS1	GS1	GS1
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
13-Sa	6/30/18	<0.47	1.39	6.34
Minimum				6.34 >= 6.0 (RO)
Average				
Maximum				6.34 <= 9.0 (RO)
Month 1 Average		<0.47 <= 15	1.39 <= 110	
Month 2 Average		M <= 15	M <= 110	
Month 3 Average		M <= 15	M <= 110	



Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permit Number: WAR000756

Permittee: CEDAR HILLS LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 04/01/2018 - 06/30/2018

Outfall: N4 - Discharge to unnamed stream (McDonald Cr)

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol, alpha, alpha, trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
Limit Set		ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
1-W	4/4/18	A	6.49	No	A	A	<2	9.4	0.0282	<0.47	<9.8	<0.49
Minimum			6.49 BM: >= 5.0 (RO)									
Average		A BM: <= 25			A BM: <= 14	12.4 BM: <= 117						
Maximum			6.49 BM: <= 9.0 (RO)									
Month 1 Average							<2 <= 37	9.4 <= 27	0.0282 <= 4.9	<0.47 <= 16	<9.8 <= 71	<0.49 <= 14
Month 2 Average							M <= 37	M <= 27	M <= 4.9	M <= 16	M <= 71	M <= 14
Month 3 Average							M <= 37	M <= 27	M <= 4.9	M <= 16	M <= 71	M <= 14

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



Week	Monitoring Point	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	pH Standard Units Quarterly Grab
		N4	N4	N4
		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
	Limit Set			
1-W	4/4/18	<0.49	12.4	6.49
	Minimum			6.49 >= 6.0 (RO)
	Average			
	Maximum			6.49 <= 9.0 (RO)
	Month 1 Average	<0.49 <= 15	12.4 <= 110	
	Month 2 Average	M <= 15	M <= 110	
	Month 3 Average	M <= 15	M <= 110	



Washington State Department of Ecology Discharge Monitoring Report (DMR)

Permit Number: WAR000756

Permittee: CEDAR HILLS LANDFILL

Facility County: King

Receiving Waterbody: Unnamed stream

Monitoring Period: 04/01/2018 - 06/30/2018

Outfall: SL3 - Discharge to unnamed stream (ditch)

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	Total 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
Week	Monitoring Point	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3	SL3
Limit Set		ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Western WA - 2015 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
1-W	4/4/18	A	6.75	No	A	A	<2	15.1	0.006	<0.5	<10	<0.5
Minimum			6.75 BM: >= 5.0 (RO)									
Average		A BM: <= 25			A BM: <= 14	A BM: <= 117						
Maximum			6.75 BM: <= 9.0 (RO)									
Month 1 Average							<2 <= 37	15.1 <= 27	0.006 <= 4.9	<0.5 <= 16	<10 <= 71	<0.5 <= 14
Month 2 Average							M <= 37	M <= 27	M <= 4.9	M <= 16	M <= 71	M <= 14
Month 3 Average							M <= 37	M <= 27	M <= 4.9	M <= 16	M <= 71	M <= 14

Reporting Codes Used: 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.

Joan Kenton

8/15/2018 1:59:16 PM

Signature

Date



Week	Monitoring Point	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	pH Standard Units Quarterly Grab
		SL3	SL3	SL3
		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2015 permit
1-W	4/4/18	<0.5	9.2	6.75
	Minimum			6.75 >= 6.0 (RO)
	Average			
	Maximum			6.75 <= 9.0 (RO)
	Month 1 Average	<0.5 <= 15	9.2 <= 110	
	Month 2 Average	M <= 15	M <= 110	
	Month 3 Average	M <= 15	M <= 110	

Leachate Analytical Data

Leachate Monitoring Activities 2nd Quarter 2018

Station ID	Date	Activity	Sample ID	Comment
LS-API	4/11/18	Monthly Characterization Sample	LAPI180411M	
LS-API	5/2/18	Monthly Characterization Sample	LAPI180502M	
LS-API	6/6/18	Monthly Characterization Sample	LAPI180606M	
LS-CSW	4/11/18	Special Investigation	LCSW180411I	
LS-CSW	5/2/18	Special Investigation	LCSW180502I	
LS-CSW	6/6/18	Special Investigation	LCSW180606I	
LS-CSW	6/7/18	Special Investigation - Arsenic Speciation	LCSW180607I	
LS-EMERGENCY	4/6/18	Emergency Sample	LA6C180406E	
LS-EMERGENCY	4/6/18	Emergency Sample	LA6C180406E2	
LS-LEPS	4/11/18	Monthly Characterization Sample	LEPS180410M	
LS-LEPS	5/2/18	Monthly Characterization Sample	LEPS180501M	
LS-LEPS	6/6/18	Monthly Characterization Sample	LEPS180605M	
LS-LEPS	4/11/18	Permit Sample	LEPS180410P	
LS-LEPS	4/16/18	Permit Resample	LEPS180416P	
LS-LEPS	5/2/18	Permit Sample	LEPS180501P	
LS-LEPS	5/14/18	Permit Resample	LEPS180514P	
LS-LEPS	6/6/18	Permit Sample	LEPS180605P	
LS-LEPS	43269.43889	Permit Resample	LEPS180618R	
LS-MH46N	4/11/18	Monthly Characterization Sample	L46N180411M	
LS-MH46N	5/2/18	Monthly Characterization Sample	L46N180502M	
LS-MH46N	6/6/18	Monthly Characterization Sample	LP2A180606M	
LS-MH5	4/11/18	Special Investigation	LMH5180411I	
LS-MH5	5/2/18	Special Investigation	LMH5180502I	
LS-MH5	6/6/18	Special Investigation	LMH5180606I	
LS-MH5	6/7/18	Special Investigation - Arsenic Speciation	LMH5180607I	
LS-PS1A	4/11/18	Special Investigation	LP1A180411I	
LS-PS1A	5/2/18	Special Investigation	LP1A180502I	
LS-PS1A	6/6/18	Special Investigation	LP1A180606I	
LS-PS1A	6/7/18	Special Investigation - Arsenic Speciation	LP1A180607I	
LS-PS2A	4/11/18	Monthly Characterization Sample	LP2A180411M	
LS-PS2A	4/11/18	QA/QC Sample	LP2A180411D	Field Duplicate
LS-PS2A	5/2/18	Monthly Characterization Sample	LP2A180502M	
LS-PS2A	6/6/18	Monthly Characterization Sample	L46N180606M	
LS-PS4	4/11/18	Special Investigation	LP4-180411I	
LS-PS4	5/2/18	Special Investigation	LP4-180502I	
LS-PS4	6/6/18	Special Investigation	LPS4180606I	
LS-PS5	6/7/18	Special Investigation - Arsenic Speciation	LPS4180607I	
M-WLG-E1	6/8/18	Special Investigation - Lagoon Sludge	MWL-180608I	
Field Blank	6/6/18	QA/QC Sample	LEPS180606F	

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate Field Parameters
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	pH (Field) (std. Units)	Conductance (Field) (umho/cm)	Temperature (o C)
LS-API	4/11/2018	LAPI180411M	8.19	5150	12.9
LS-API	5/2/2018	LAPI180502M	7.94	14000	19.7
LS-API	6/6/2018	LAPI180606M	8.28	13500	23.2
LS-CSW	4/11/2018	LCSW180411I	7.46	1850	11.1
LS-CSW	5/2/2018	LCSW180502I	7.13	6500	14
LS-CSW	6/6/2018	LCSW180606I	7.94	15000	14.3
LS-LEPS	4/11/2018	LEPS180410M	8.36	4700	13.1
LS-LEPS	4/11/2018	LEPS180410P	8.36	4700	13.1
LS-LEPS	4/16/2018	LEPS180416P	8.23	3350	11.5
LS-LEPS	5/2/2018	LEPS180501M	8.33	6400	15.8
LS-LEPS	5/2/2018	LEPS180501P	8.33	6400	15.8
LS-LEPS	5/14/2018	LEPS180514P	8.43	7700	18.7
LS-LEPS	6/6/2018	LEPS180605M	8.54	9100	16.2
LS-LEPS	6/6/2018	LEPS180605P	8.54	9100	16.2
LS-LEPS	6/6/2018	LEPS180606F	9.27	8.3	14.2
LS-LEPS	6/18/2018	LEPS180618R	8.64	10500	20.1
LS-MH46N	4/11/2018	L46N180411M	7.01	8200	24.4
LS-MH46N	5/2/2018	L46N180502M	7.26	6800	22.7
LS-MH46N	6/6/2018	LP2A180606M	7.92	6400	12.5
LS-MH5	4/11/2018	LMH5180411I	6.34	15000	29.6
LS-MH5	5/2/2018	LMH5180502I	8.13	15000	29.5
LS-MH5	6/6/2018	LMH5180606I	8.11	17500	31.1
LS-PS1A	4/11/2018	LP1A180411I	7.45	1200	13
LS-PS1A	5/2/2018	LP1A180502I	7.67	3900	15.9
LS-PS1A	6/6/2018	LP1A180606I	7.71	6600	19
LS-PS2A	4/11/2018	LP2A180411D	7.85	100	11.3
LS-PS2A	4/11/2018	LP2A180411M	7.85	100	11.3
LS-PS2A	5/2/2018	LP2A180502M	8.31	160	10.1
LS-PS2A	6/6/2018	L46N180606M	7.02	7900	27.9
LS-PS4	4/11/2018	LP4-180411I	7.62	3400	14
LS-PS4	5/2/2018	LP4-180502I	7.59	1200	15.1
LS-PS4	6/6/2018	LPS4180606I	8.28	5200	18.1
FIELD BLANK	5/2/2018	LEPS180502F	8.01	3.2	11.8
LS-EMERGENCY	4/6/2018	LA6C180406E	7.21	8000	18.4
LS-EMERGENCY	4/6/2018	LA6C180406E2	8.3	17000	14

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate Conventionals Analytical Data
 Contact Person: Sendy Jimenez (206) 477-5224

Site	Date	Sample ID	Alkalinity, Total (CaCO3) (mg/L)	Ammonia, (NH3 as N) (mg/L)	Biological Oxygen Demand (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Coliforms, Fecal (CFU/100mL)	Coliforms, Total (CFU/100mL)	Cyanide (mg/L)	Fluoride (mg/L)	Nitrate+Nitrite (NO3+NO2 as N) (mg/L)
LS-API	4/11/2018	LAPI180411M	2160	405	508	1470	504	44000	470000	0.008 SU	1 U	0.11 T
LS-API	5/1/2018	LAPI180501M	4280	863	1700	3890	1110	77000	1000000	0.012 ST	2 U	1 U
LS-API	6/6/2018	LAPI180606M	10100	1800	3600	8720 S	2450	14000 C	650000	0.036 ST	4 U	0.21 T
LS-LEPS	4/10/2018	LEPS180410M	2330	400	173	1050	597	8200 H	37000 H	0.0085 ST	0.627	0.1 U
LS-LEPS	5/1/2018	LEPS180501M	3080	538	486	2040	774	13000 CH	410000 H	0.008 SU	1 U	0.1 U
LS-LEPS	6/6/2018	LEPS180605M	5850	969	391	2990 S	1570	22000 CH	150000 H	0.018 ST	1.11	0.2 HU
LS-MH46N	4/11/2018	L46N180411M	3570	683	66.1	2180	2080	1 U	1 U	0.018 ST	3 U	0.1 U
LS-MH46N	5/2/2018	L46N180502M	3380	626	86.1	1990	1980	1 U	9 CU	0.015 ST	2 U	0.44
LS-MH46N	6/6/2018	LP2A180606M	2510	364	119	1910	1300	1 U	400	0.018 ST	2 U	3.06
LS-PS2A	4/11/2018	LP2A180411D	37.5	0.869	5.46	22.9	2.33	1 U	50	0.008 U	0.0475	0.708
LS-PS2A	4/11/2018	LP2A180411M	37.9	0.864	6.76	24.9	2.32	1 U	45	0.008 U	0.0503	0.695
LS-PS2A	5/2/2018	LP2A180502M	41	3.81	2 U	22.6	8.07	1 U	50	0.008 U	0.0572	1.07
LS-PS2A	6/6/2018	L46N180606M	3470	660	81	2040	2020	1 U	1 U	0.018 ST	2 U	0.1 U
LS-EMERGENCY	4/6/2018	LA6C180406E2	13300	2980	7270	16800 S	3150	9 CU	90 CU	0.075 ST	3 U	0.5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate Conventonals Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Phosphorus, Sol. Reactive (mg/L)	Specific Conductance (umho/cm)	Sulfate (SO4) (mg/L)	Sulfide Total (mg/L)	Total Fats, Oils and Grease (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Total Volatile Solids (mg/L)	Total Volatile Suspended Solids (mg/L)
LS-API	4/11/2018	LAPI180411M	1.96	5730	30.5	0.341	8.3 B	475	380 S	67	1060	35
LS-API	5/1/2018	LAPI180501M	3.5	11000	54.2	0.419	57.1	894	1270 S	135	2330	88
LS-API	6/6/2018	LAPI180606M	9.41 H	23100	35.9	1.01	15.2 B	2050 S	2820 S	104	5520	87.7
LS-LEPS	4/10/2018	LEPS180410M	0.0748	6060	35.1	0.15 T	10.2 B	474	199 S	342	1020	248
LS-LEPS	5/1/2018	LEPS180501M	0.05	7680	63.4	0.424	2.7 BT	608	480	600	1600	490
LS-LEPS	6/6/2018	LEPS180605M	0.117	13700	67.3	0.532	5.2 BT	1140 S	507 S	869	2510	713
LS-MH46N	4/11/2018	L46N180411M	5.91	12500	2 U	1.47	7.7 BG	759	597 S	0.7 T	1570	1
LS-MH46N	5/2/2018	L46N180502M	2.24	11900	2.9 T	1.47	7.6 B	707	633 S	2.2	1400	1.8
LS-MH46N	6/6/2018	LP2A180606M	0.773	8080	42.9	0.05 U	6.8 B	570	562 S	6.67	1540	4.67
LS-PS2A	4/11/2018	LP2A180411D	0.012	115	7.31	0.01 T	5 BT	1.5	9.61	2.1	51.4	1.3
LS-PS2A	4/11/2018	LP2A180411M	0.0134	107	7.18	0.01 T	2.4 BT	1.56	8.83	2.2	47.1	1.6
LS-PS2A	5/2/2018	LP2A180502M	0.0146	178	14.4	0.1 U	3.3 BT	4.09	7.85	1.1	46.4	0.8 T
LS-PS2A	6/6/2018	L46N180606M	3.34 H	12100	5 U	0.501	7 B	724	638 S	1.34	1520	1.34
LS-EMERGENCY	4/6/2018	LA6C180406E2	13.2	31600	25 T	1 SU	6.5	3000 S	5720 S	207	9520	118

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate Metals Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Aluminum, total (mg/L)	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)
LS-API	4/11/2018	LAPI180411M	1.49	0.00777	0.0913	0.105	0.001 U	0.0005 U	44.3	0.0656	0.0153	0.0112
LS-API	5/1/2018	LAPI180501M	1.45	0.0147	0.169	0.179	0.001 U	0.0005 DU	116	0.141	0.0331	0.00911
LS-API	6/6/2018	LAPI180606M	1.23	0.025	0.358	0.333	0.001 U	0.000547	181	0.308	0.0625	0.0109
LS-CSW	4/11/2018	LCSW180411I	10	0.003 U	0.0141	0.12	0.001 U	0.0005 U	116	0.0293	0.0138	0.0267
LS-CSW	5/2/2018	LCSW180502I	1.98	0.0121	0.0365	0.27	0.001 U	0.000623 D	730	0.0941	0.0319	0.0315
LS-CSW	6/6/2018	LCSW180606I	9.07	0.0143	0.0927	0.293	0.001 U	0.000871	173	0.261	0.0631	0.0367
LS-LEPS	4/10/2018	LEPS180410M	2.17	0.00769	0.0927	0.121	0.001 U	0.0005 U	68.5	0.0672	0.0178	0.0142
LS-LEPS	4/11/2018	LEPS180410P						0.0005 U		0.0714		0.0157
LS-LEPS	4/16/2018	LEPS180416P						0.0005 U		0.05		0.0126
LS-LEPS	5/1/2018	LEPS180501P			0.114			0.0005 DU		0.0963		0.0125
LS-LEPS	5/14/2018	LEPS180514P			0.176			0.0005 U		0.14		0.0127
LS-LEPS	6/6/2018	LEPS180605P	1.23	0.0238	0.254	0.159	0.001 U	0.0005 U	91.1	0.193	0.0433	0.0111
LS-LEPS	6/6/2018	LEPS180606F	0.002 U	0.0003 U	5E-05 U	0.0005 U	0.0001 U	5E-05 U	0.05 U	0.0002 U	5E-05 U	0.00022
LS-LEPS	6/18/2018	LEPS180618R	1.1	0.0275	0.282	0.198	0.001 U	0.0005 U	92.4	0.226	0.048	0.0131 D
LS-MH46N	4/11/2018	L46N180411M	0.0477	0.003 U	0.0991	0.555	0.001 U	0.0005 U	102	0.127	0.0393	0.002 U
LS-MH46N	5/2/2018	L46N180502M	0.0503	0.003 U	0.0978	0.544	0.001 U	0.0005 DU	91.1	0.128	0.0372	0.002 U
LS-MH46N	6/6/2018	LP2A180606M	0.539	0.00562	0.034	0.032	0.001 U	0.000942	37.9	0.0608	0.0413	0.216
LS-MH5	4/11/2018	LMH5180411I	6.11	0.0162	0.273	0.471	0.001 U	0.0005 U	86.1	0.219	0.0679	0.0129
LS-MH5	5/2/2018	LMH5180502I	15.4	0.0252	0.316	1.11	0.001 U	0.000503 D	317	0.247	0.0812	0.0278
LS-MH5	6/6/2018	LMH5180606I	22.5	0.0304	0.351	1.23	0.001 U	0.000815	237	0.29	0.0941	0.039
LS-PS1A	4/11/2018	LP1A180411I	0.213	0.00332	0.0211	0.0452	0.001 U	0.0005 U	25.7	0.00738	0.00355	0.0118
LS-PS1A	5/2/2018	LP1A180502I	0.2	0.0111	0.0605	0.113	0.001 U	0.0005 DU	40.1	0.0207	0.00888	0.00633
LS-PS1A	6/6/2018	LP1A180606I	0.255	0.0276	0.17	0.252	0.001 U	0.0005 U	73.6	0.0491	0.0204	0.00616
LS-PS2A	4/11/2018	LP2A180411D	0.231	0.003 U	0.00237	0.00615	0.001 U	0.0005 U	10.5	0.00302	0.000927	0.0272
LS-PS2A	4/11/2018	LP2A180411M	0.225	0.003 U	0.00247	0.00638	0.001 U	0.0005 U	9.8	0.00298	0.000913	0.0276
LS-PS2A	5/2/2018	LP2A180502M	0.107	0.003 U	0.00241	0.00619	0.001 U	0.0005 DU	11.4	0.00222	0.00066	0.0185
LS-PS2A	6/6/2018	L46N180606M	0.0387 J	0.003 U	0.0982	0.51	0.001 U	0.0005 U	92	0.12	0.0353	0.002 U
LS-PS4	4/11/2018	LP4-180411I	1.65	0.00488	0.0504	0.0777	0.001 U	0.0005 U	77.9	0.0443	0.0116	0.0104
LS-PS4	5/2/2018	LP4-180502I	1.01	0.0146	0.138	0.0713	0.001 U	0.0005 DU	49.7	0.0218	0.00618	0.0135
LS-PS4	6/6/2018	LPS4180606I	0.973	0.0164	0.131	0.132	0.001 U	0.0005 U	61.8	0.0532	0.0131	0.0203
FIELD BLANK	5/2/2018	LEPS180502F			0.0005 U			0.0005 DU		0.002 U		0.002 U
LS-EMERGENCY	4/6/2018	LA6C180406E	0.562	0.0211	0.0453	0.22	0.001 U	0.0005 U	339	0.115	0.0315	0.00417
LS-EMERGENCY	4/6/2018	LA6C180406E2	1.83	0.263	1.11	0.534	0.001 U	0.0005 U	75.1	0.347	0.0699	0.0101

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate Metals Analytical Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)
LS-API	4/11/2018	LAPI180411M	4.55	0.00196	29.4	0.577	0.0001 U	0.0664	182	0.005 U	0.0004 U	516
LS-API	5/1/2018	LAPI180501M	11.6	0.00281	61.6	1.17	0.0001 U	0.139	370	0.005 U	0.0004 U	1050
LS-API	6/6/2018	LAPI180606M	8.54	0.00532	119	1.49	0.000101	0.264	844	0.005 U	0.0004 U	2450 D
LS-CSW	4/11/2018	LCSW180411I	17.4	0.00703	28	1.21	0.0001 U	0.0525	71.1	0.005 U	0.0004 U	155
LS-CSW	5/2/2018	LCSW180502I	27.5	0.014	127	4.76	0.0001 U	0.176	350	0.005 U	0.0004 U	820
LS-CSW	6/6/2018	LCSW180606I	22.9	0.014	210	1.05	0.000118	0.334	766	0.00544	0.0004 U	1900
LS-LEPS	4/10/2018	LEPS180410M	7.83	0.00431	35.8	0.788	0.0001 U	0.0791	207	0.005 U	0.0004 U	570
LS-LEPS	4/11/2018	LEPS180410P		0.0044				0.0806				
LS-LEPS	4/16/2018	LEPS180416P		0.00281				0.0593				
LS-LEPS	5/1/2018	LEPS180501P		0.00442				0.106				
LS-LEPS	5/14/2018	LEPS180514P		0.00427				0.143				
LS-LEPS	6/6/2018	LEPS180605P	9.21	0.00426	85.5	1.02	0.0001 U	0.186	537	0.005 U	0.0004 U	1510
LS-LEPS	6/6/2018	LEPS180606F	0.01 U	0.0001 U	0.05 U	0.0001 U	0.0001 U	0.0001 U	0.5 U	0.0005 U	4E-05 U	0.1 U
LS-LEPS	6/18/2018	LEPS180618R	7.65	0.00424	89.7	1.29	0.0001 U	0.207	583	0.005 U	0.0004 U	1660
LS-MH46N	4/11/2018	L46N180411M	2.76	0.001 U	58.3	0.528	0.0001 U	0.173	425	0.005 U	0.0004 U	1520
LS-MH46N	5/2/2018	L46N180502M	2.65	0.001 U	54.7	0.467	0.0001 U	0.16	400	0.005 U	0.0004 U	1430
LS-MH46N	6/6/2018	LP2A180606M	11.1	0.00323	23	0.207	0.000128	0.167	373	0.005 U	0.000774	1140
LS-MH5	4/11/2018	LMH5180411I	18	0.00573	96.2	0.928	0.0001 U	0.265	688	0.005 U	0.000873	2240
LS-MH5	5/2/2018	LMH5180502I	68.9	0.0108	109	4.75	0.0001 U	0.313	702	0.005 U	0.0004 U	2240
LS-MH5	6/6/2018	LMH5180606I	123	0.019	115	3.61	0.000197	0.333	791	0.0078	0.000463	2690 D
LS-PS1A	4/11/2018	LP1A180411I	1.14	0.001 U	10.6	0.335	0.0001 U	0.0143	37.6	0.005 U	0.0004 U	126
LS-PS1A	5/2/2018	LP1A180502I	1.1	0.001 U	18.7	0.375	0.0001 U	0.0361	90.1	0.005 U	0.000687	314
LS-PS1A	6/6/2018	LP1A180606I	1.51	0.00338	39.8	0.652	0.0001 U	0.0782	213	0.005 U	0.0004 U	752
LS-PS2A	4/11/2018	LP2A180411D	2.3	0.001 U	3.59	0.11	0.0001 U	0.00857	5 U	0.005 U	0.0004 U	3.83
LS-PS2A	4/11/2018	LP2A180411M	2.34	0.001 U	3.57	0.108	0.0001 U	0.00873	5 U	0.005 U	0.0004 U	3.94
LS-PS2A	5/2/2018	LP2A180502M	0.854	0.001 U	4.67	0.0794	0.0001 U	0.0085	5 U	0.005 U	0.0004 U	9.08
LS-PS2A	6/6/2018	L46N180606M	2.65	0.001 U	53.3	0.49	0.0001 U	0.152	400	0.005 U	0.0004 U	1370
LS-PS4	4/11/2018	LP4-180411I	4.9	0.00197	34.2	1.32	0.0001 U	0.0529	115	0.005 U	0.0004 U	318
LS-PS4	5/2/2018	LP4-180502I	2.76	0.00166	21.8	1.15	0.0001 U	0.0271	63.9	0.005 U	0.000565	182
LS-PS4	6/6/2018	LPS4180606I	3.17	0.00221	35.8	1.46	0.0001 U	0.0552	141	0.005 U	0.0004 U	439
FIELD BLANK	5/2/2018	LEPS180502F		0.001 U				0.001 U				
LS-EMERGENCY	4/6/2018	LA6C180406E	1.65	0.00165	127	4.85	0.0001 U	0.17	392	0.005 U	0.0004 U	1040
LS-EMERGENCY	4/6/2018	LA6C180406E2	18.9	0.0167	106	0.309	0.000817	0.207	1110	0.005 U	0.0004 U	3300

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate Metals Analytical Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
LS-API	4/11/2018	LAPI180411M	0.001 U	0.0112	0.0249	0.131
LS-API	5/1/2018	LAPI180501M	0.001 DU	0.0213	0.0432	0.399
LS-API	6/6/2018	LAPI180606M	0.001 U	0.0489	0.0908	0.811
LS-CSW	4/11/2018	LCSW180411I	0.001 U	0.005 U	0.0256	0.46
LS-CSW	5/2/2018	LCSW180502I	0.001 DU	0.00656	0.0289	1.83
LS-CSW	6/6/2018	LCSW180606I	0.001 U	0.0164	0.0841	0.992
LS-LEPS	4/10/2018	LEPS180410M	0.001 U	0.0086	0.0296	0.277
LS-LEPS	4/11/2018	LEPS180410P				0.275
LS-LEPS	4/16/2018	LEPS180416P				0.194
LS-LEPS	5/1/2018	LEPS180501P				0.485
LS-LEPS	5/14/2018	LEPS180514P				0.418
LS-LEPS	6/6/2018	LEPS180605P	0.001 U	0.0233	0.0635	0.498
LS-LEPS	6/6/2018	LEPS180606F	0.0001 U	0.0005 U	7.5E-05 U	0.0005 U
LS-LEPS	6/18/2018	LEPS180618R	0.001 U	0.0228 J	0.0704	0.486 D
LS-MH46N	4/11/2018	L46N180411M	0.001 U	0.005 U	0.182	0.005 U
LS-MH46N	5/2/2018	L46N180502M	0.001 DU	0.005 U	0.172	0.0149
LS-MH46N	6/6/2018	LP2A180606M	0.001 U	0.174	0.023	0.273
LS-MH5	4/11/2018	LMH5180411I	0.001 U	0.0461	0.143	0.276
LS-MH5	5/2/2018	LMH5180502I	0.001 DU	0.0478	0.16	0.957
LS-MH5	6/6/2018	LMH5180606I	0.001 U	0.0713	0.18	0.986
LS-PS1A	4/11/2018	LP1A180411I	0.001 U	0.005 U	0.00886	0.0292
LS-PS1A	5/2/2018	LP1A180502I	0.001 DU	0.005 U	0.024	0.034
LS-PS1A	6/6/2018	LP1A180606I	0.001 U	0.0052	0.0588	0.0274
LS-PS2A	4/11/2018	LP2A180411D	0.001 U	0.005 U	0.00491	0.0194
LS-PS2A	4/11/2018	LP2A180411M	0.001 U	0.005 U	0.00485	0.0207
LS-PS2A	5/2/2018	LP2A180502M	0.001 DU	0.005 U	0.00245	0.0495
LS-PS2A	6/6/2018	L46N180606M	0.001 U	0.005 U	0.175	0.005 U
LS-PS4	4/11/2018	LP4-180411I	0.001 U	0.0078	0.0177	0.0858
LS-PS4	5/2/2018	LP4-180502I	0.001 DU	0.00579	0.00953	0.0828
LS-PS4	6/6/2018	LPS4180606I	0.001 U	0.0134	0.0205	0.0869
FIELD BLANK	5/2/2018	LEPS180502F				0.005 U
LS-EMERGENCY	4/6/2018	LA6C180406E	0.001 U	0.0147	0.0467	0.159
LS-EMERGENCY	4/6/2018	LA6C180406E2	0.001 U	0.184	0.0875	0.365

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,1,1,2-Tetrachloro-ethane 630-20-6 (ug/L)	1,1,1-Trichloro-ethane 71-55-6 (ug/L)	1,1,2,2-Tetrachloro-ethane 79-34-5 (ug/L)	1,1,2-Trichloro-ethane 79-00-5 (ug/L)	1,1-Dichloro-ethane 75-34-3 (ug/L)	1,1-Dichloro-ethene 75-35-4 (ug/L)	1,1-Dichloro-propene 563-58-6 (ug/L)	1,2,3-Trichloro-propane 96-18-4 (ug/L)	1,2-Dibromo-3-Chloropropane 96-12-8 (ug/L)
LS-API	4/11/2018	LAPI180411M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-API	5/1/2018	LAPI180501M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-API	6/6/2018	LAPI180606M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-LEPS	4/10/2018	LEPS180410M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-LEPS	5/1/2018	LEPS180501M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-LEPS	6/6/2018	LEPS180605M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-MH46N	4/11/2018	L46N180411M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-MH46N	5/2/2018	L46N180502M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-MH46N	6/6/2018	LP2A180606M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-PS2A	4/11/2018	LP2A180411D	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-PS2A	4/11/2018	LP2A180411M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-PS2A	5/2/2018	LP2A180502M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-PS2A	6/6/2018	L46N180606M	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U
LS-EMERGENCY	4/6/2018	LA6C180406E2	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	250 U
VOA TRIP BLANK	4/10/2018	VTRP180410X2	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	5/1/2018	VTRP180501X2	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	5/1/2018	VTRP180501Y2	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	6/4/2018	VTRP180606Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U
VOA TRIP BLANK	6/6/2018	VTRP180606X2	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	1,2-Dibromo-ethane 106-93-4 (ug/L)	1,2-Dichloro-benzene 95-50-1 (ug/L)	1,2-Dichloro-ethane 107-06-2 (ug/L)	1,2-Dichloro-propane 78-87-5 (ug/L)	1,3 Dichloro-benzene 541-73-1 (ug/L)	1,3-Dichloro-propane 142-28-9 (ug/L)	1,4-Dichloro-benzene 106-46-7 (ug/L)	2,2-Dichloro-propane 594-20-7 (ug/L)	2-Butanone 78-93-3 (ug/L)
LS-API	4/11/2018	LAPI180411M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1200 D
LS-API	5/1/2018	LAPI180501M	1 U	1 U	1.2 JT	1 U	1 U	1 U	1.3 JT	1 U	3100 D
LS-API	6/6/2018	LAPI180606M	1 U	1 U	1.9 JT	1 U	1 U	1 U	1.2 JT	1 U	5760 D
LS-LEPS	4/10/2018	LEPS180410M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	9.05
LS-LEPS	5/1/2018	LEPS180501M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	68.8 B
LS-LEPS	6/6/2018	LEPS180605M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.49
LS-MH46N	4/11/2018	L46N180411M	1 U	2.51	1 U	1 U	1 U	1 U	10.3	1 U	2.5 U
LS-MH46N	5/2/2018	L46N180502M	1 U	2.53	1 U	1 U	1 U	1 U	10	1 U	14.6 B
LS-MH46N	6/6/2018	LP2A180606M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-PS2A	4/11/2018	LP2A180411D	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-PS2A	4/11/2018	LP2A180411M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U
LS-PS2A	5/2/2018	LP2A180502M	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	16.4 B
LS-PS2A	6/6/2018	L46N180606M	1 U	2.25	1 U	1 U	1 U	1 U	8.93	1 U	2.5 U
LS-EMERGENCY	4/6/2018	LA6C180406E2	10 U	10 U	10 U	10 U	10 U	10 U	14 JT	10 U	19700 D
VOA TRIP BLANK	4/10/2018	VTRP180410X2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	5/1/2018	VTRP180501X2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	5/1/2018	VTRP180501Y2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	6/4/2018	VTRP180606Y	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U
VOA TRIP BLANK	6/6/2018	VTRP180606X2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	2-Hexanone 591-78-6 (ug/L)	2-Methyl-1-propanol 78-83-1 (ug/L)	3-Chloro-propene 107-05-1 (ug/L)	4-Methyl-2-Pentanone 108-10-1 (ug/L)	Acetone 67-64-1 (ug/L)	Acetonitrile 75-05-8 (ug/L)	Acrolein 107-02-8 (ug/L)	Acrylonitrile 107-13-1 (ug/L)	Benzene 71-43-2 (ug/L)
LS-API	4/11/2018	LAPI180411M	8.1 JT	50 U	1 U	25 U	1300 D	50 U	25 U	0.35 U	1 U
LS-API	5/1/2018	LAPI180501M	10.4	72 JT	1 U	29 JT	3200 D	50 JT	25 U	0.35 U	1 U
LS-API	6/6/2018	LAPI180606M	20.5	50 U	1 U	78	6290 D	50 U	25 U	0.35 U	1 U
LS-LEPS	4/10/2018	LEPS180410M	5 U	50 U	1 U	25 U	100	50 U	25 U	0.35 U	1 U
LS-LEPS	5/1/2018	LEPS180501M	5.8 JT	50 U	1 U	25 U	170	50 U	25 U	0.35 U	1 U
LS-LEPS	6/6/2018	LEPS180605M	5 U	50 U	1 U	25 U	58.9	50 U	25 U	0.35 U	1 U
LS-MH46N	4/11/2018	L46N180411M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	4.01
LS-MH46N	5/2/2018	L46N180502M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	4.15
LS-MH46N	6/6/2018	LP2A180606M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-PS2A	4/11/2018	LP2A180411D	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-PS2A	4/11/2018	LP2A180411M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-PS2A	5/2/2018	LP2A180502M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	1 U
LS-PS2A	6/6/2018	L46N180606M	5 U	50 U	1 U	25 U	25 U	50 U	25 U	0.35 U	3.41
LS-EMERGENCY	4/6/2018	LA6C180406E2	102	500 U	10 U	601	31400 D	500 U	250 U	3.5 U	15 JT
VOA TRIP BLANK	4/10/2018	VTRP180410X2	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	5/1/2018	VTRP180501X2	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	5/1/2018	VTRP180501Y2	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	6/4/2018	VTRP180606Y	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U
VOA TRIP BLANK	6/6/2018	VTRP180606X2	0.5 U	5 U	0.1 U	2.5 U	2.5 U	5 U	2.5 U	0.035 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Bromochloro- methane 74-97-5 (ug/L)	Bromodichloro- methane 75-27-4 (ug/L)	Bromoform 75-25-2 (ug/L)	Bromo-methane 74-83-9 (ug/L)	Carbon Disulfide 75-15-0 (ug/L)	Carbon Tetrachloride 56-23-5 (ug/L)	Chloro-benzene 108-90-7 (ug/L)	Chloro-dibromo- methane 124-48-1 (ug/L)	Chloroethane 75-00-3 (ug/L)
LS-API	4/11/2018	LAPI180411M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-API	5/1/2018	LAPI180501M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-API	6/6/2018	LAPI180606M	1 U	2.5 U	5 U	1 U	1.4 JT	2.5 U	1 U	5 U	1 U
LS-LEPS	4/10/2018	LEPS180410M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	5/1/2018	LEPS180501M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-LEPS	6/6/2018	LEPS180605M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-MH46N	4/11/2018	L46N180411M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.32	5 U	1 U
LS-MH46N	5/2/2018	L46N180502M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.38	5 U	1 U
LS-MH46N	6/6/2018	LP2A180606M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-PS2A	4/11/2018	LP2A180411D	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-PS2A	4/11/2018	LP2A180411M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-PS2A	5/2/2018	LP2A180502M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	1 U	5 U	1 U
LS-PS2A	6/6/2018	L46N180606M	1 U	2.5 U	5 U	1 U	1 U	2.5 U	2.12	5 U	1 U
LS-EMERGENCY	4/6/2018	LA6C180406E2	10 U	25 U	50 U	10 U	10 U	25 U	10 U	50 U	10 U
VOA TRIP BLANK	4/10/2018	VTRP180410X2	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	5/1/2018	VTRP180501X2	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	5/1/2018	VTRP180501Y2	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	6/4/2018	VTRP180606Y	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U
VOA TRIP BLANK	6/6/2018	VTRP180606X2	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Chloroform 67-66-3 (ug/L)	Chloro-methane 74-87-3 (ug/L)	Chloroprene 126-99-8 (ug/L)	cis-1,2-Dichloro- ethene 156-59-2 (ug/L)	cis-1,3-Dichloro- propene 10061-01-5 (ug/L)	Dibromo-methane 74-95-3 (ug/L)	Dichloro-difluoro- methane 75-71-8 (ug/L)	Ethylbenzene 100-41-4 (ug/L)	m & p Xylenes mpx (ug/L)
LS-API	4/11/2018	LAPI180411M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	2.04
LS-API	5/1/2018	LAPI180501M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1.9 JT	4.73
LS-API	6/6/2018	LAPI180606M	1 U	2.5 U	1 U	1.1 JT	2.5 U	1 U	1 U	1.6 JT	4.32
LS-LEPS	4/10/2018	LEPS180410M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-LEPS	5/1/2018	LEPS180501M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-LEPS	6/6/2018	LEPS180605M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-MH46N	4/11/2018	L46N180411M	1 U	2.5 U	1 U	2.49	2.5 U	1 U	1 U	44.9	57.2
LS-MH46N	5/2/2018	L46N180502M	1 U	2.5 U	1 U	2.47	2.5 U	1 U	1 U	43	55.5
LS-MH46N	6/6/2018	LP2A180606M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-PS2A	4/11/2018	LP2A180411D	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-PS2A	4/11/2018	LP2A180411M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-PS2A	5/2/2018	LP2A180502M	1 U	2.5 U	1 U	1 U	2.5 U	1 U	1 U	1 U	1 U
LS-PS2A	6/6/2018	L46N180606M	1 U	2.5 U	1 U	1.7 JT	2.5 U	1 U	1 U	37.9	51.8
LS-EMERGENCY	4/6/2018	LA6C180406E2	10 U	25 U	10 U	10 U	25 U	10 U	10 U	48.7	102
VOA TRIP BLANK	4/10/2018	VTRP180410X2	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/1/2018	VTRP180501X2	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/1/2018	VTRP180501Y2	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/4/2018	VTRP180606Y	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/6/2018	VTRP180606X2	0.1 U	0.25 U	0.1 U	0.1 U	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	Methyl Iodide 74-88-4 (ug/L)	Methyl Methacrylate 80-62-6 (ug/L)	Methylacrylonitrile 126-98-7 (ug/L)	Methylene Chloride 75-09-2 (ug/L)	o-Xylene 95-47-6 (ug/L)	Propionitrile 107-12-0 (ug/L)	Styrene 100-42-5 (ug/L)	Tetrachloroethene 127-18-4 (ug/L)	Toluene 108-88-3 (ug/L)
LS-API	4/11/2018	LAPI180411M	1 U	2.5 U	1 U	25 U	1.1 JT	5 U	1 U	1 U	2.79
LS-API	5/1/2018	LAPI180501M	1 U	2.5 U	1 U	25 U	2.55	5 U	1 U	1 U	6.84
LS-API	6/6/2018	LAPI180606M	1 U	2.5 U	1 U	25 U	2.64	5 U	1 U	1 U	6.98
LS-LEPS	4/10/2018	LEPS180410M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
LS-LEPS	5/1/2018	LEPS180501M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1.7 JT
LS-LEPS	6/6/2018	LEPS180605M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
LS-MH46N	4/11/2018	L46N180411M	1 U	2.5 U	1 U	25 U	4.69	5 U	1.2 JT	1 U	6.11
LS-MH46N	5/2/2018	L46N180502M	1 U	2.5 U	1 U	25 U	5.31	5 U	1.2 JT	1 U	6.51
LS-MH46N	6/6/2018	LP2A180606M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
LS-PS2A	4/11/2018	LP2A180411D	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
LS-PS2A	4/11/2018	LP2A180411M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
LS-PS2A	5/2/2018	LP2A180502M	1 U	2.5 U	1 U	25 U	1 U	5 U	1 U	1 U	1 U
LS-PS2A	6/6/2018	L46N180606M	1 U	2.5 U	1 U	25 U	4.2	5 U	1.2 JT	1 U	5.2
LS-EMERGENCY	4/6/2018	LA6C180406E2	10 U	25 U	10 U	250 U	49	50 U	10 U	10 U	177
VOA TRIP BLANK	4/10/2018	VTRP180410X2	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/1/2018	VTRP180501X2	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	5/1/2018	VTRP180501Y2	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/4/2018	VTRP180606Y	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	6/6/2018	VTRP180606X2	0.1 U	0.25 U	0.1 U	2.5 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate VOAs Analytical Data
 Contact Person: Sindy Jimenez (206) 477-5224

Site	Date	Sample ID	trans-1,2-	trans-1,3-	trans-1,4-	Trichloro-ethene	Trichloro-fluoro-	Vinyl Acetate	Vinyl Chloride
			Dichloro-ethene	Dichloro-propene	Dichloro-2-butene		methane		
			156-60-5 (ug/L)	10061-02-6 (ug/L)	110-57-6 (ug/L)	79-01-6 (ug/L)	75-69-4 (ug/L)	108-05-4 (ug/L)	75-01-4 (ug/L)
LS-API	4/11/2018	LAPI180411M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-API	5/1/2018	LAPI180501M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-API	6/6/2018	LAPI180606M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	4/10/2018	LEPS180410M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	5/1/2018	LEPS180501M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-LEPS	6/6/2018	LEPS180605M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-MH46N	4/11/2018	L46N180411M	1 U	5 U	5 U	1 U	1 U	1 U	4.12
LS-MH46N	5/2/2018	L46N180502M	1 U	5 U	5 U	1 U	1 U	1 U	4.43
LS-MH46N	6/6/2018	LP2A180606M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-PS2A	4/11/2018	LP2A180411D	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-PS2A	4/11/2018	LP2A180411M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-PS2A	5/2/2018	LP2A180502M	1 U	5 U	5 U	1 U	1 U	1 U	0.1 U
LS-PS2A	6/6/2018	L46N180606M	1 U	5 U	5 U	1 U	1 U	1 U	4.09
LS-EMERGENCY	4/6/2018	LA6C180406E2	10 U	50 U	50 U	10 U	10 U	10 U	1 U
VOA TRIP BLANK	4/10/2018	VTRP180410X2	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/1/2018	VTRP180501X2	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/1/2018	VTRP180501Y2	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	6/4/2018	VTRP180606Y	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	6/6/2018	VTRP180606X2	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate PCB Analytical Data
 Contact Person: Sedy Jimenez (206) 477-5224

Site	Date	Sample ID	2,4,5-T	2,4,5-TP SILVEX	2,4-D	4,4'DDD	4,4'DDE	4,4'DDT	ALDRIN
			93-76-5	93-72-1	94-75-7	72-54-8	72-55-9	50-29-3	309-00-2
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
LS-API	4/11/2018	LAPI180411M	0.5 U	0.5 U	1 U	0.025 U	0.025 GU	0.025 U	0.025 GU
LS-API	5/1/2018	LAPI180501M	0.5 U	4 U	2.23 J	0.025 U	0.0961 GJ	0.025 U	0.2 U
LS-API	6/6/2018	LAPI180606M	0.5 U	1.5 U	2.5 U	0.125 U	0.125 GU	0.125 GU	0.375 GU
LS-LEPS	4/10/2018	LEPS180410M	0.5 U	0.5 U	1 U	0.025 U	0.025 GU	0.025 U	0.025 GU
LS-LEPS	5/1/2018	LEPS180501M	0.5 U	0.5 U	2.59	0.025 U	0.025 GU	0.025 U	0.025 U
LS-LEPS	6/6/2018	LEPS180605M	0.5 U	1 U	1.5 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-MH46N	4/11/2018	L46N180411M	0.5 U	1.36	6.93	0.01 U	0.01 U	0.01 U	0.01 GU
LS-MH46N	5/2/2018	L46N180502M	0.5 U	1.32	5.03	0.01 U	0.0134 J	0.02 U	0.01 U
LS-MH46N	6/6/2018	LP2A180606M	0.5 U	4.38	1.18	0.01 U	0.0117 J	0.01 U	0.01 U
LS-PS2A	4/11/2018	LP2A180411D	0.5 U	0.5 U	1 U	0.01 U	0.01 U	0.01 U	0.01 GU
LS-PS2A	4/11/2018	LP2A180411M	0.5 U	0.5 U	1 U	0.01 U	0.01 U	0.01 U	0.01 GU
LS-PS2A	5/2/2018	LP2A180502M	0.5 U	0.5 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-PS2A	6/6/2018	L46N180606M	0.5 U	1.5 U	2.51 J	0.05 U	0.05 U	0.05 U	0.05 U
LS-EMERGENC	4/6/2018	LA6C180406E2	0.697	3.15	2 U	0.025 GU	0.025 GU	0.025 GU	0.025 GU

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate PCB Analytical Data
 Contact Person: Sedy Jimenez (206) 477-5224

ALPHA BHC	ALPHA CHLORDANE	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	BETA BHC
BHC	Chlordane	1016	1221	1232	1242	1248	1254	1260	BHC
319-84-6	5103-71-9	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	319-85-7
ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
0.025 U	0.025 GU	0.025 U	0.15 U	0.025 U	0.0644	0.025 U	0.0355	0.025 U	0.025 U
0.025 U	0.025 U	0.025 U	0.2 U	0.025 U	0.075	0.025 U	0.0392	0.025 U	0.025 U
0.125 U	0.125 GU	0.025 U	1.2 U	0.5 U	0.178	0.025 U	0.069	0.025 U	0.188 U
0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
0.025 U	0.025 U	0.025 U	0.1 U	0.025 U	0.0378	0.025 U	0.025 U	0.025 U	0.0318
0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.0717	0.025 U	0.0323 J	0.025 U	0.121
0.01 U	0.0189 J	0.025 U	0.0945	0.025 U	0.196	0.025 U	0.025 U	0.025 U	0.0609 J
0.01 U	0.01 U	0.025 U	0.0652 J	0.025 U	0.236	0.025 U	0.025 U	0.025 U	0.08 U
0.01 U	0.01 U	0.025 U	0.025 U	0.025 U	0.172	0.025 U	0.143	0.117	0.0209 J
0.01 U	0.01 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U
0.01 U	0.01 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U
0.01 U	0.01 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U
0.05 U	0.05 U	0.025 U	0.0546 J	0.025 U	0.202	0.025 U	0.025 U	0.025 U	0.05 U
0.025 U	0.025 GU	0.025 U	0.15 U	0.025 U	0.109	0.025 U	0.025 U	0.025 U	0.25 GU

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate PCB Analytical Data
 Contact Person: Sedy Jimenez (206) 477-5224

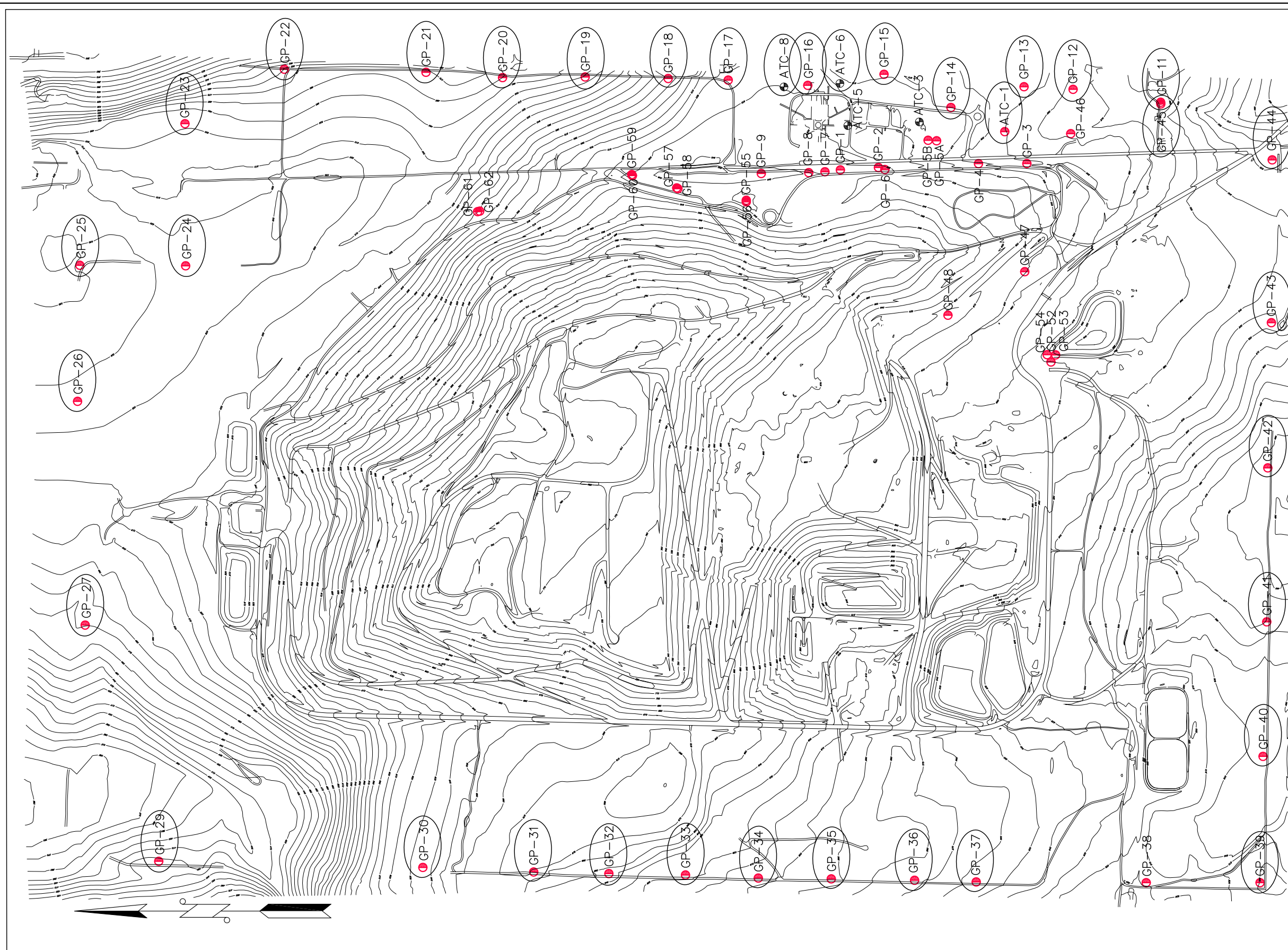
DELTA BHC	DIELDRIN	DINOSEB	ENDOSULFAN I	ENDOSULFAN II	ENDOSULFAN SULFATE	ENDRIN	ENDRIN ALDEHYDE	HEPTACHLOR	HEPTACHLOR EPOXIDE
BHC			sulfan I	sulfan II	Sulfate		Aldehyde		Epoxide
319-86-8	60-57-1	88-85-7	959-98-8	33213-65-9	1031-07-8	72-20-8	7421-93-4	76-44-8	1024-57-3
ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
0.025 U	0.025 U	0.5 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U
0.025 U	0.025 U	1 U	0.025 U	0.1 U	0.025 U	0.025 U	0.025 GU	0.125 U	0.025 U
0.188 U	0.125 U	1.5 U	0.125 U	0.125 U	0.125 U	0.125 U	0.125 GU	0.125 U	0.125 U
0.025 U	0.025 U	0.5 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U
0.025 U	0.025 U	1 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U
0.025 U	0.025 U	2.5 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
0.06 U	0.03 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
0.04 U	0.0256 J	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
0.02 U	0.01 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
0.01 U	0.01 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
0.01 U	0.01 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
0.05 U	0.05 U	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
0.025 GU	0.025 GU	2.5 GU	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 GU	0.15 U	0.025 U

Environmental Monitoring Data

Data Collected from April 1, 2018 to June 30, 2018
 Cedar Hills Landfill ---Leachate PCB Analytical Data
 Contact Person: Sedy Jimenez (206) 477-5224

ISODRIN	LINDANE(GA MMA BHC)	METHOXYCH LOR	Total Aroclors	TOXAPHENE	trans-Chlordane
		chlor			
465-73-6	58-89-9	72-43-5	T_AROCLOR	8001-35-2	5103-74-2
ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
0.025 GU	0.025 U	0.125 U	0.0999	2.5 U	0.025 GU
0.0464 J	0.025 U	0.125 U	0.1142	2.5 U	0.025 GU
0.125 U	0.125 U	0.625 U	0.247	12.5 U	0.125 GU
0.025 GU	0.025 U	0.125 U	0.025 U	2.5 U	0.025 GU
0.025 U	0.025 U	0.125 U	0.0378	2.5 U	0.025 GU
0.025 U	0.025 U	0.125 U	0.104	2.5 U	0.025 U
0.01 U	0.0501 J	0.05 U	0.2905	1 U	0.01 U
0.01 U	0.06 U	0.05 U	0.3012	1 U	0.01 U
0.01 U	0.03 U	0.05 U	0.432	1 U	0.01 U
0.01 U	0.01 U	0.05 U	0.025 U	1 U	0.01 U
0.01 U	0.01 U	0.05 U	0.025 U	1 U	0.01 U
0.01 U	0.01 U	0.05 U	0.025 U	1 U	0.01 U
0.05 U	0.05 U	0.25 U	0.2566	5 U	0.05 U
0.025 U	0.025 U	0.125 U	0.109	2.5 U	0.025 GU

Landfill Gas Monitoring Data



Northing	Easting	Elev	Description	Inst. Date
170,000.33	1,701,942.93	640.02	GP-1 CASE EL	1985/86
169,740.00	1,701,960.00	622.00	GP-2 CASE EL	1985/86
168,758.11	1,701,985.28	594.21	GP-3 CASE EL	1985/86
169,058.18	1,701,972.94	606.19	GP-4 CASE EL	1985/86
169,370.19	1,702,134.95	616.23	GP-5A GRND EL	1988
169,422.02	1,702,138.87	619.63	GP-5B CASE EL	1988
169,731.73	1,701,946.48	635.59	GP-6 CASE EL	1988
170,101.22	1,701,930.58	640.66	GP-7 CASE EL	1988
170,208.37	1,701,925.10	642.67	GP8 CASE EL	1988
170,519.95	1,701,919.34	645.27	GP-9 CASE EL	1988
			GP-10 NOT INSTALLED	1988
167,890.09	1,702,389.27	567.15	GP-11 CASE EL	1988
168,466.64	1,702,473.27	568.08	GP-12 CASE EL	1988
168,790.03	1,702,490.84	588.15	GP-13 CASE EL	1988
169,271.56	1,702,354.75	613.32	GP-14 CASE EL	1988
169,724.93	1,702,446.19	618.75	GP-15 CASE EL	1988
170,214.28	1,702,500.56	630.19	GP-16 CASE EL	1988
170,738.83	1,702,535.09	625.18	GP-17 CASE EL	1988
171,132.85	1,702,543.29	600.83	GP-18 CASE EL	1988
171,634.52	1,702,554.91	544.15	GP-19 CASE EL	1988
172,224.83	1,702,550.70	496.61	GP-20 CASE EL	1988
172,729.15	1,702,584.65	489.79	GP-21 CASE EL	1988
173,662.40	1,702,607.81	374.84	GP-22 CASE EL	1988
174,317.16	1,702,248.74	501.77	GP-23 CASE EL	1988
174,313.44	1,701,311.74	544.72	GP-24 CASE EL	1988
175,011.63	1,701,324.89	533.86	GP-25 CASE EL	1988
175,043.82	1,700,364.55	541.69	GP-26 CASE EL	1988
174,983.78	1,698,935.68	484.75	GP-27 CASE EL	1988
			GP-28 NOT INSTALLED	1988
174,455.39	1,697,385.67	431.05	GP-29 CASE EL	1988
172,787.40	1,697,339.61	644.62	GP-30 CASE EL	1988
172,013.96	1,697,321.72	673.37	GP-31 CASE EL	1988
171,524.28	1,697,308.08	647.57	GP-32 CASE EL	1988
171,017.18	1,697,293.36	625.03	GP-33 CASE EL	1988
170,537.12	1,697,287.04	604.93	GP-34 CASE EL	1988
170,083.32	1,697,286.32	596.28	GP-35 CASE EL	1988
169,510.89	1,697,265.94	574.92	GP-36 CASE EL	1988
169,049.03	1,697,252.08	557.38	GP-37 CASE EL	1988
167,909.72	1,697,243.54	523.57	GP-38 CASE EL	1988
167,239.45	1,697,232.41	541.03	GP-39 CASE EL	1988
167,205.68	1,698,100.32	502.77	GP-40 CASE EL	1988
167,191.96	1,698,965.50	482.97	GP-41 CASE EL	1988
167,183.37	1,699,979.90	457.95	GP-42 CASE EL	1988
167,160.00	1,700,961.11	536.86	GP-43 CASE EL	1988
167,135.28	1,702,007.20	529.11	GP-44 CASE EL	1994
167,888.74	1,702,378.77	567.47	GP-45 CASE EL	1994
168,482.15	1,702,182.52	589.79	GP-46 CASE EL	1994
168,783.75	1,701,272.71	600.07	GP-47 CASE EL	1994
169,289.65	1,700,985.98	616.56	GP-48 CASE EL	1994
168,612.91	1,700,710.62	561.13	GP-52 GRND EL	2001
168,601.99	1,700,711.34	561.02	GP-53 GRND EL	2001
168,617.89	1,700,717.53	561.20	GP-54 GRND EL	2001
168,916.92	1,702,195.87	591.29	GP-ATC-1 GRND EL	1985/86
169,479.79	1,702,259.97	616.25	GP-ATC-3 GRND EL	1985/86
			GP-ATC-4 ABANDONED/REMOVED	
169,950.42	1,702,235.30	625.65	GP-ATC-5 GRND EL	1985/86
170,002.70	1,702,512.99	620.16	GP-ATC-6 GRND EL	1985/86
170,371.26	1,702,490.56	629.94	GP-ATC-8 GRND EL	1985/86

LEGEND
 INTERIOR LFG MONITORING PROBES
 LFG MIGRATION MONITORING PROBES

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

DATE	REVISION	BY

Compliance Probes

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
April 2018 Monitoring

Probe ID	Date/Time	CH4 % vol	CO2 % vol2	O2 % vol3	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	4/23/2018 12:40	0.0	0.4	19.5	0	0.36	
ATC-01S	4/23/2018 12:39	0.0	0.1	21.0	0	0	
ATC-06D	4/23/2018 13:46	0.0	0.7	3.0	0	0.04	
ATC-06S	4/23/2018 13:43	0.0	0.0	0.0	0	-6.72	No Reading, Water
ATC-08D	4/23/2018 13:34	0.0	1.5	11.8	0	0.07	
ATC-08S	4/23/2018 13:32	0.0	0.2	19.5	0	0.15	
GP-11A	4/23/2018 12:29	0.0	0.1	20.9	0	0.19	
GP-11B	4/23/2018 12:30	0.0	0.1	20.9	0	0.16	
GP-11C	4/23/2018 12:32	0.0	0.1	21.0	0	0.3	
GP-11D	4/23/2018 12:33	0.0	0.1	20.9	0	0.1	
GP-12A	4/23/2018 12:45	0.0	0.0	21.0	0	0.02	
GP-12B	4/23/2018 12:46	0.0	0.0	21.0	0	0.16	
GP-12C	4/23/2018 12:48	0.0	0.1	18.3	0	-15.39	
GP-12D	4/23/2018 12:49	0.0	0.5	11.6	0	-2.34	
GP-13A	4/23/2018 12:52	0.0	0.1	21.0	0	0.01	
GP-13B	4/23/2018 12:53	0.0	0.1	21.0	0	0.08	
GP-13C	4/23/2018 12:55	0.0	0.1	21.0	0	-0.08	
GP-13D	4/23/2018 12:56	0.0	0.0	21.0	0	-0.91	
GP-14A	4/23/2018 13:00	0.0	0.0	21.0	0	-0.06	
GP-14B	4/23/2018 13:01	0.0	0.0	21.0	0	-0.46	
GP-15A	4/23/2018 13:27	0.0	0.0	0.0	0	0.15	No Reading, Water
GP-15C	4/23/2018 13:25	0.0	0.2	20.2	0	0.41	
GP-15D	4/23/2018 13:26	0.0	0.1	21.0	0	-2.55	
GP-16A	4/23/2018 13:39	0.0	0.1	21.0	0	0.13	
GP-16B	4/23/2018 13:37	0.0	0.1	21.0	0	0.46	
GP-16C	4/23/2018 13:38	0.0	0.0	21.0	0	-1.04	
GP-17A	4/23/2018 10:40	0.0	0.0	0.0	0	-8.79	No Reading, Water
GP-17B	4/23/2018 10:41	0.0	0.7	18.2	0	-0.06	
GP-17C	4/23/2018 10:42	0.0	0.1	21.0	0	-1.95	
GP-18A	4/23/2018 10:44	0.0	0.0	0.0	0	0.09	No Reading, Water
GP-18B	4/23/2018 10:46	0.0	0.3	13.0	0	0.01	
GP-18C	4/23/2018 10:47	0.0	0.1	20.9	0	-2.02	
GP-19A	4/23/2018 10:49	0.0	0.1	21.0	0	0.02	
GP-19B	4/23/2018 10:51	0.0	0.6	16.1	0	0.12	
GP-19C	4/23/2018 10:52	0.0	0.1	21.0	0	0.02	
GP-20A	4/23/2018 10:55	0.0	0.1	21.0	0	0.12	
GP-20B	4/23/2018 10:56	0.0	0.2	20.3	0	0.05	
GP-20C	4/23/2018 10:57	0.0	0.2	7.4	0	0.51	
GP-21A	4/23/2018 11:00	0.0	0.0	0.0	0	0.04	No Reading, Water
GP-21B	4/23/2018 11:01	0.0	0.1	10.1	0	0.03	
GP-21C	4/23/2018 11:02	0.0	0.1	10.1	0	-2.52	
GP-22A	4/23/2018 11:05	0.0	0.2	21.0	0	-7.48	
GP-22C	4/23/2018 11:06	0.0	0.8	2.6	0	-3.3	
GP-23A	4/23/2018 11:10	0.0	0.1	21.0	0	0.04	
GP-23B	4/23/2018 11:11	0.0	0.1	21.0	0	0.09	
GP-23C	4/23/2018 11:13	0.0	0.1	21.0	0	-1.15	

GP-24A	4/23/2018 11:20	0.0	0.1	21.0	0	0.09	
GP-24B	4/23/2018 11:21	0.0	0.2	20.4	0	0.09	
GP-25	4/23/2018 11:25	0.0	2.6	13.5	0	0.09	
GP-26	4/23/2018 11:28	0.0	0.6	20.5	0	0.03	
GP-27	4/23/2018 11:31	0.0	5.7	9.2	0	-0.04	
GP-29A	4/23/2018 11:36	0.0	2.6	15.6	0	-0.03	
GP-29B	4/23/2018 11:37	0.0	0.6	21.0	0	0	
GP-30A	4/23/2018 9:10	0.0	2.3	16.4	0	-0.03	
GP-30B	4/23/2018 9:12	0.0	1.1	19.9	0	-0.77	
GP-31A	4/23/2018 9:14	0.0	0.0	0.0	0	-9.62	No Reading, Water
GP-31B	4/23/2018 9:15	0.0	0.4	16.3	0	1.29	
GP-31C	4/23/2018 9:17	0.0	0.1	21.0	0	-0.02	
GP-32A	4/23/2018 9:19	0.0	0.8	18.7	0	0.01	
GP-32B	4/23/2018 9:20	0.0	0.2	21.0	0	0	
GP-32C	4/23/2018 9:21	0.0	0.3	21.0	0	0.19	
GP-33A	4/23/2018 9:24	0.0	0.2	21.0	0	0.03	
GP-33B	4/23/2018 9:25	0.0	0.1	21.0	0	0.24	
GP-33C	4/23/2018 9:26	0.0	0.1	21.0	0	-1.25	
GP-34A	4/23/2018 9:28	0.0	0.0	0.0	0	8.11	No Reading, Water
GP-34B	4/23/2018 9:30	0.0	0.1	21.0	0	-0.03	
GP-34C	4/23/2018 9:31	0.0	0.1	21.0	0	-1.89	
GP-35A	4/23/2018 9:34	0.0	0.1	21.0	0	0.03	
GP-35B	4/23/2018 9:35	0.0	0.1	21.0	0	0.04	
GP-35C	4/23/2018 9:36	0.0	0.1	21.0	0	-0.02	
GP-36A	4/23/2018 9:39	0.0	0.3	9.0	0	0.2	
GP-36B	4/23/2018 9:39	0.0	0.0	0.0	0	-4.23	No Reading, Water
GP-36C	4/23/2018 9:43	0.0	0.2	21.0	0	-0.44	
GP-37A	4/23/2018 9:46	0.0	0.0	0.0	0	0.74	No Reading, Water
GP-37B	4/23/2018 9:47	0.0	0.2	20.4	0	0.05	
GP-37C	4/23/2018 9:48	0.0	0.6	3.5	0	-1.24	
GP-39	4/23/2018 9:53	0.0	1.2	18.8	0	0.02	
GP-40	4/23/2018 9:56	0.0	0.1	17.8	0	0.07	
GP-41A	4/23/2018 9:59	0.0	0.1	21.0	0	0.08	
GP-41B	4/23/2018 10:00	0.0	0.1	21.0	0	0.5	
GP-41C	4/23/2018 10:01	0.0	0.1	21.0	0	0.11	
GP-42A	4/23/2018 10:04	0.0	0.0	0.0	0	-5.11	No Reading, Water
GP-42B	4/23/2018 10:05	0.0	0.5	19.4	0	-0.28	
GP-43A	4/23/2018 10:08	0.0	0.4	18.6	0	0.44	
GP-43B	4/23/2018 10:09	0.0	0.1	21.0	0	0.11	
GP-43C	4/23/2018 10:10	0.0	0.1	21.0	0	0.06	
GP-44A	4/23/2018 10:13	0.0	0.1	21.0	0	0.14	
GP-44B	4/23/2018 10:15	0.0	0.3	18.9	0	0.39	
GP-44C	4/23/2018 10:16	0.0	0.1	21.0	0	0.13	
GP-45D	4/23/2018 12:28	0.0	0.1	20.9	0	0.14	
GP-45I	4/23/2018 12:27	0.0	0.1	20.8	0	0.07	
GP-45S	4/23/2018 12:25	0.0	0.1	20.7	0	0.01	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
May 2018 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol2	O2 %vol3	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-01D	5/22/2018 10:55	0	0.1	20.1	0	0.11	
ATC-01S	5/22/2018 10:53	0	0	20.2	0	0.05	
ATC-06D	5/22/2018 11:46	0	0.7	3	0	0.39	
ATC-06S	5/22/2018 11:44	0	1.6	16	0	-0.62	
ATC-08D	5/22/2018 11:50	0	2.2	16	0	0.02	
ATC-08S	5/22/2018 11:49	0	0.2	18.4	0	0.28	
GP-11A	5/22/2018 10:43	0	0.1	20.3	0	0.24	
GP-11B	5/22/2018 10:45	0	0	20.3	0	0.48	
GP-11C	5/22/2018 10:46	0	0.1	18.6	0	0.57	
GP-11D	5/22/2018 10:47	0	0.1	20.2	0	0.17	
GP-12A	5/22/2018 11:06	0	0.1	20.1	0	0.02	
GP-12B	5/22/2018 11:07	0	0	20.3	0	0.03	
GP-12C	5/22/2018 11:09	0	0.1	17.8	0	-12.93	
GP-12D	5/22/2018 11:10	0	0.3	16.9	0	0.23	
GP-13A	5/22/2018 10:59	0	0	20.2	0	0.09	
GP-13B	5/22/2018 11:00	0	0	20.2	0	0.09	
GP-13C	5/22/2018 11:01	0	0	20	0	0.04	
GP-13D	5/22/2018 11:03	0	0	20.1	0	0.66	
GP-14A	5/22/2018 11:16	0	0	20.5	0	0.19	
GP-14B	5/22/2018 11:17	0	0	20.4	0	0.11	
GP-15A	5/22/2018 11:28	0	0.2	20.3	0	0.07	
GP-15C	5/22/2018 11:29	0	0.6	16.6	0	0.23	
GP-15D	5/22/2018 11:30	0	0.1	20.4	0	-1.98	
GP-16A	5/22/2018 11:39	0	0.1	20.2	0	0.09	
GP-16B	5/22/2018 11:40	0	0.1	18.9	0	0.37	
GP-16C	5/22/2018 11:41	0	0.1	20.2	0	0.89	
GP-17A	5/22/2018 14:11	0	0	0	0	0	No Reading, Water
GP-17B	5/22/2018 14:12	0	0.7	16.5	0	0.01	
GP-17C	5/22/2018 14:13	0	0	19.6	0	1.49	
GP-18A	5/22/2018 14:16	0	1.5	13	0	-0.55	
GP-18B	5/22/2018 14:18	0	0.2	11.9	0	0.14	
GP-18C	5/22/2018 14:19	0	0.1	16.6	0	1.72	
GP-19A	5/22/2018 14:22	0	0	19.6	0	0.01	
GP-19B	5/22/2018 14:23	0	0.5	15.1	0	0.3	
GP-19C	5/22/2018 14:24	0	0	19.7	0	0.2	
GP-20A	5/22/2018 14:28	0	0	19.7	0	0.05	
GP-20B	5/22/2018 14:29	0	0.2	13.3	0	0.04	
GP-20C	5/22/2018 14:31	0	0.2	5.1	0	0.5	
GP-21A	5/22/2018 14:35	0	0	19.5	0	0.08	
GP-21B	5/22/2018 14:36	0	0.1	9	0	0.04	
GP-21C	5/22/2018 14:37	0	0.1	9.2	0	1.21	
GP-22A	5/22/2018 14:40	0	0.1	19.8	0	-11.18	
GP-22C	5/22/2018 14:41	0	1	1.6	0	0.65	
GP-23A	5/22/2018 14:46	0	0	19.9	0	-0.01	
GP-23B	5/22/2018 14:47	0	0	19.9	0	-0.02	

GP-23C	5/22/2018 14:49	0	0	20	0	0.03	
GP-24A	5/22/2018 14:52	0	6.1	7.1	0	0	
GP-24B	5/22/2018 14:53	0	0.2	19.4	0	0.03	
GP-25	5/22/2018 15:01	0	2.8	13.4	0	0.06	
GP-26	5/22/2018 15:04	0	0.6	18.9	0	0.19	
GP-27	5/22/2018 15:22	0	6.3	8	0	0.02	
GP-29A	5/22/2018 15:27	0	3.4	13	0	0.07	
GP-29B	5/22/2018 15:28	0	0.5	19.4	0	0.03	
GP-30A	5/22/2018 7:53	0	2.7	17.1	0	0	
GP-30B	5/22/2018 7:54	0	1.2	19.1	0	-0.34	
GP-31A	5/22/2018 7:57	0	0	0	0	0	No Reading, Water
GP-31B	5/22/2018 7:59	0	0.2	18.4	0	-0.01	
GP-31C	5/22/2018 8:00	0	0.1	20.7	0	0.1	
GP-32A	5/22/2018 8:03	0	0.2	20.7	0	0	
GP-32B	5/22/2018 8:05	0	0.2	20.7	0	0.08	
GP-32C	5/22/2018 8:06	0	0.3	20.6	0	0.02	
GP-33A	5/22/2018 8:09	0	1.7	18	0	0.01	
GP-33B	5/22/2018 8:10	0	0.1	20.8	0	-0.03	
GP-33C	5/22/2018 8:15	0	0	20.8	0	-0.59	
GP-34A	5/22/2018 8:17	0	0	0	0	0	No Reading, Water
GP-34B	5/22/2018 8:18	0	0.3	20.5	0	0.15	
GP-34C	5/22/2018 8:19	0	0.1	14.8	0	0.34	
GP-35A	5/22/2018 8:22	0	0.1	20.7	0	0.02	
GP-35B	5/22/2018 8:23	0	0.1	20.9	0	-0.01	
GP-35C	5/22/2018 8:25	0	0.1	20.9	0	0.06	
GP-36A	5/22/2018 8:28	0	0.3	1.6	0	0.37	
GP-36B	5/22/2018 8:30	0	0.1	20.6	0	0.03	
GP-36C	5/22/2018 8:31	0	0.3	14.2	0	0.48	
GP-37A	5/22/2018 8:36	0	0	0	0	0	No Reading, Water
GP-37B	5/22/2018 8:39	0	0.1	20.8	0	0.37	
GP-37C	5/22/2018 8:40	0	0.6	1.3	0	0.73	
GP-39	5/22/2018 9:16	0	1.1	18.6	0	0.01	
GP-40	5/22/2018 9:20	0	0.1	16.2	0	0	
GP-41A	5/22/2018 9:23	0	0.1	20.4	0	0.02	
GP-41B	5/22/2018 9:25	0	0.1	20.3	0	0.09	
GP-41C	5/22/2018 9:26	0	0.1	20.3	0	0.01	
GP-42A	5/22/2018 9:30	0	0	0	0	0	No Reading, Water
GP-42B	5/22/2018 9:31	0	0.8	17.3	0	0.44	
GP-43A	5/22/2018 9:35	0	0.3	18.4	0	-0.01	
GP-43B	5/22/2018 9:37	0	0	20.1	0	0.04	
GP-43C	5/22/2018 9:38	0	0.1	19.5	0	0.04	
GP-44A	5/22/2018 10:32	0	0.1	20.3	0	0.13	
GP-44B	5/22/2018 10:33	0	0	20.1	0	0	
GP-44C	5/22/2018 10:34	0	0.1	20	0	-0.4	
GP-45D	5/22/2018 10:42	0	0.1	20.1	0	0.59	
GP-45I	5/22/2018 10:40	0	0	20.1	0	0.04	
GP-45S	5/22/2018 10:39	0	0	20.3	0	0.07	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Compliance Probes
June 2018 Monitoring

Probe ID	Date/Time	CH4 %vol	CO2 %vol2	O2 %vol3	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-1D	6/19/2018 13:38	0	0	19.9	0	0.15	
ATC-1S	6/19/2018 13:37	0	1.6	18.2	0	0.15	
ATC-6D	6/19/2018 15:50	0	0.1	20.5	0	0.07	
ATC-6S	6/19/2018 15:49	0	1.7	19.4	0	0.13	
ATC-8D	6/19/2018 15:36	0	2.1	19.8	0	0.05	
ATC-8S	6/19/2018 15:35	0	0.2	21	0	-0.45	
GP-11A	6/19/2018 13:24	0	0.5	17.8	0	0.14	
GP-11B	6/19/2018 13:25	0	0	19.5	0	0.1	
GP-11C	6/19/2018 13:26	0	0	19.5	0	0.08	
GP-11D	6/19/2018 13:28	0	0	19.5	0	0.17	
GP-12A	6/19/2018 13:45	0	0	20.4	0	0.13	
GP-12B	6/19/2018 13:46	0	0	20.4	0	0.19	
GP-12C	6/19/2018 13:48	0	0	19	0	-0.53	
GP-12D	6/19/2018 13:49	0	0	20.4	0	0.12	
GP-13A	6/19/2018 13:54	0	1	19.4	0	0.15	
GP-13B	6/19/2018 13:55	0	0	20.5	0	0.14	
GP-13C	6/19/2018 13:56	0	0	20.6	0	0.13	
GP-13D	6/19/2018 13:58	0	0	20.6	0	-0.84	
GP-14A	6/19/2018 14:05	0	0	20.7	0	0.04	
GP-14B	6/19/2018 14:07	0	0	20.8	0	0.03	
GP-15A	6/19/2018 14:32	0	0.4	20.3	0	0.18	
GP-15C	6/19/2018 15:28	0	0.1	21	0	0.01	
GP-15D	6/19/2018 15:29	0	0.1	22	0	-1.06	
GP-16A	6/19/2018 15:38	0	2.9	19.1	0	0.04	
GP-16B	6/19/2018 15:39	0	0.1	20.8	0	0.09	
GP-16C	6/19/2018 15:40	0	0	21	0	-0.88	
GP-17A	6/19/2018 8:14	0	0	20.8	0	-0.09	
GP-17B	6/19/2018 8:15	0	0.6	18.7	0	0	
GP-17C	6/19/2018 8:16	0	0	20.8	0	-1.51	
GP-18A	6/19/2018 8:19	0	2	16.2	0	0	
GP-18B	6/19/2018 8:21	0	0.1	18.6	0	0.02	
GP-18C	6/19/2018 8:22	0	0.1	19	0	-1.39	
GP-19A	6/19/2018 8:25	0	0	20.8	0	-0.01	
GP-19B	6/19/2018 8:26	0	0.5	16.9	0	0.01	
GP-19C	6/19/2018 8:27	0	0	20.8	0	-0.02	
GP-20A	6/19/2018 8:30	0	0.2	20.5	0	0.01	
GP-20B	6/19/2018 8:32	0	0.2	16.2	0	-0.01	
GP-20C	6/19/2018 8:33	0	0.1	10.8	0	0.03	
GP-21A	6/19/2018 8:36	0	0	20.7	0	0.01	
GP-21B	6/19/2018 8:38	0	0.1	10.5	0	0.01	
GP-21C	6/19/2018 8:39	0	0.1	20.7	0	-0.02	
GP-22A	6/19/2018 8:42	0	2.2	13.1	0	0.01	
GP-22C	6/19/2018 8:44	0	1.3	2.9	0	-1.33	
GP-23A	6/19/2018 8:49	0	0	20.9	0	-0.01	
GP-23B	6/19/2018 8:50	0	0	20.9	0	0.01	

GP-23C	6/19/2018 8:51	0	0	21	0	0	
GP-24A	6/19/2018 10:13	0	4.2	15.1	0	-0.01	
GP-24B	6/19/2018 10:14	0	0.1	20.4	0	-0.04	
GP-25	6/19/2018 10:18	0	2.8	15.9	0	0	
GP-26	6/19/2018 10:20	0	0.2	20.2	0	-0.07	
GP-27	6/19/2018 10:23	0	6.7	10.8	0	0.01	
GP-29A	6/19/2018 10:28	0	1.8	17.5	0	0.01	
GP-29B	6/19/2018 10:29	0	0.5	20.1	0	0.02	
GP-30A	6/19/2018 10:36	0	2.3	18.6	0	0	
GP-30B	6/19/2018 10:38	0	0.1	20.5	0	-0.49	
GP-31A	6/19/2018 10:42	0	0	0	0	0	No Reading, Water
GP-31B	6/19/2018 10:43	0	0.1	20.5	0	-0.48	
GP-31C	6/19/2018 10:44	0	0.2	20.2	0	0.03	
GP-32A	6/19/2018 10:46	0	0.1	20.6	0	0.03	
GP-32B	6/19/2018 10:47	0	0.1	20.6	0	0.02	
GP-32C	6/19/2018 10:48	0	0.1	20.6	0	0.02	
GP-33A	6/19/2018 10:51	0	2	18.5	0	0.04	
GP-33B	6/19/2018 10:52	0	0.1	20.7	0	0.02	
GP-33C	6/19/2018 10:53	0	0	20.7	0	-1.04	
GP-34A	6/19/2018 10:55	0	0	0	0	0	No Reading, Water
GP-34B	6/19/2018 10:56	0	0.1	20.7	0	0.02	
GP-34C	6/19/2018 10:57	0	0	20.7	0	-1.22	
GP-35A	6/19/2018 11:00	0	0.1	20.7	0	0.03	
GP-35B	6/19/2018 11:01	0	0	20.7	0	0.05	
GP-35C	6/19/2018 11:03	0	0	20.7	0	0.02	
GP-36A	6/19/2018 11:05	0	0.2	20.5	0	-0.1	
GP-36B	6/19/2018 11:07	0	0	20.6	0	0.08	
GP-36C	6/19/2018 11:08	0	0.2	20.3	0	-0.49	
GP-37A	6/19/2018 11:36	0	0	21	0	0.05	
GP-37B	6/19/2018 11:37	0	0	21	0	0.03	
GP-37C	6/19/2018 11:38	0	0.4	7.1	0	-0.97	
GP-39	6/19/2018 12:54	0	1.7	18	0	0.04	
GP-40	6/19/2018 12:58	0	0	16.3	0	0.05	
GP-41A	6/19/2018 13:02	0	5.5	13.9	0	0.08	
GP-41B	6/19/2018 13:03	0	0.1	19.9	0	0.08	
GP-41C	6/19/2018 13:04	0	0.1	19.8	0	0.07	
GP-42A	6/19/2018 13:07	0	0.1	19.9	0	0.1	
GP-42B	6/19/2018 13:08	0	0.8	17.7	0	-0.04	
GP-43A	6/19/2018 13:11	0	0	19.9	0	0.11	
GP-43B	6/19/2018 13:13	0	0	19.9	0	0.11	
GP-43C	6/19/2018 13:14	0	0	19.7	0	0.12	
GP-44A	6/19/2018 13:17	0	0	19.7	0	0.16	
GP-44B	6/19/2018 13:18	0	0.1	19.4	0	-0.02	
GP-44C	6/19/2018 13:19	0	0	19.6	0	0.14	
GP-45D	6/19/2018 13:32	0	0	19.8	0	-0.08	
GP-45I	6/19/2018 13:30	0	0	19.7	0	0.18	
GP-45S	6/19/2018 13:29	0	0	19.6	0	0.2	

Interior Probes

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
April 2018 Monitoring

Probe ID	Date/Time	CH4 % vol	CO2 %vol2	O2 %vol3	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-03D	4/23/2018 13:09	0.0	0.0	0.0	0	-5.4	No Reading, Water
ATC-03S	4/23/2018 13:08	0.0	1.5	10.2	0	-3.18	
GP-1A	4/18/2018 21:29	0	0.1	21	0	-0.02	No Reading, Water
GP-1B	4/18/2018 21:31	0	0.1	21	0	-0.01	
GP-2A	4/18/2018 10:30 P.	0	1.6	20.3	0	-0.73	
GP-2B	4/18/2018 22:02	0	0.1	21	0	-0.04	
GP-3	4/18/2018 22:24	0	0	0	0	-0.91	
GP-46D	4/18/2018 22:41	0	0.1	21	0	-1.64	
GP-46I	4/18/2018 22:39	0	0.1	21	0	-1.43	
GP-46S	4/18/2018 22:37	0	0.1	21	0	-0.09	
GP-47D	4/23/2018 14:04	0.0	0.4	19.0	0	0.04	
GP-47I	4/23/2018 14:03	29.2	16.4	2.7	>>>>	-0.28	
GP-47S	4/23/2018 14:01	0.0	0.0	21.0	0	0.07	
GP-48D	4/18/2018 22:56	0	0.1	21	0	-2.55	
GP-48I	4/18/2018 22:54	0	0.2	21	0	-0.16	
GP-48S	4/18/2018 22:52	0	0.3	19.4	0	-0.11	
GP-4A	4/18/2018 22:09	0	0.1	21	0	-0.08	
GP-4B	4/18/2018 22:12	0	0.1	21	0	-0.05	
GP-52	4/23/2018 14:09	0.0	0.1	20.7	0	0.42	
GP-53	4/23/2018 14:11	0.0	0.2	20.5	0	0.44	
GP-54	4/23/2018 14:12	0.0	0.1	21.0	0	0.2	
GP-55	4/18/2018 21:05	0	0.1	21	0	-2.58	
GP-56	4/18/2018 21:07	0	0.1	21	0	-0.11	
GP-57	4/18/2018 20:56	44	25.2	3.1	>>>>	-17.98	
GP-58	4/18/2018 20:58	0	0	0	0	-26.28	No Reading, Water
GP-59	4/18/2018 20:47	0	0.1	21	0	-1.3	
GP-5A	4/23/2018 13:50	0.0	0.0	21.0	0	-2.91	No Reading, Water
GP-5BA	4/23/2018 13:55	0.0	0.0	0.0	0	-25.68	
GP-5BB	4/23/2018 13:52	0.0	0.1	21.0	0	-2.86	
GP-5BC	4/23/2018 13:53	0.0	0.1	21.0	0	-2.9	
GP-5BD	4/23/2018 13:54	0.0	0.1	21.0	0	-1.94	
GP-60	4/18/2018 20:50	0	0.1	21	0	-0.02	
GP-61	4/18/2018 20:29	0	0.1	20.9	0	-0.99	
GP-62	4/18/2018 20:32	0	1.5	19.8	0	0	
GP-6A	4/18/2018 21:37	0	0.1	21	0	-7.23	
GP-6B	4/18/2018 21:39	0	0.1	21	0	-2.68	
GP-6C	4/18/2018 21:42	0	0.1	21	0	-2.61	
GP-6D	4/18/2018 21:44	0	0.1	21	0	-3.61	
GP-6E	4/18/2018 21:46	0	0.1	21	0	-2.71	
GP-6F	4/18/2018 21:49	0	0.1	21	0	-2.71	
GP-6G	4/18/2018 21:51	0	0.1	21	0	-2.69	
GP-6H	4/18/2018 21:53	0	0.1	21	0	-3.65	
GP-7	4/18/2018 21:23	0	0.1	21	0	-2.74	
GP-8	4/18/2018 21:14	0	0.1	21	0	-2.71	
GP-9	4/18/2018 20:40	0	0.1	21	0	-2.58	
GP-B4-1	4/18/2018 22:17	0	2.3	18.9	0	-3.56	
GP-B4-2	4/18/2018 22:19	0	0.1	21	0	-2.27	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
May 2018 Monitoring

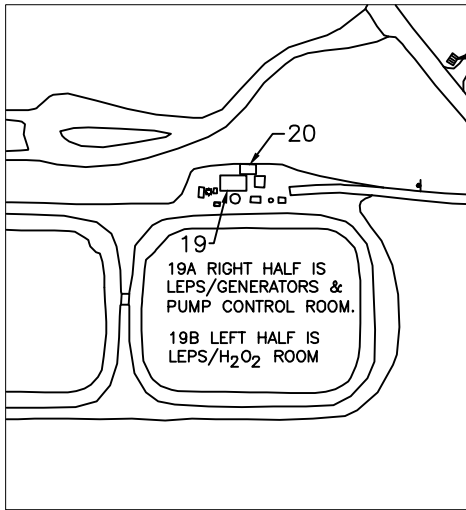
Probe ID	Date/Time	CH4 % vol	CO2 % vol2	O2 % vol3	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-03D	5/22/2018 11:24	0	0.5	20.2	0	0.04	
ATC-03S	5/22/2018 11:23	0	0.8	19.9	0	0.1	
GP-1A	5/20/2018 22:13	0	4.6	14.6	0	0.03	
GP-1B	5/20/2018 22:15	0	0.2	21.2	0	0.03	
GP-2A	5/20/2018 21:29	0	6.5	11.9	0	0	
GP-2B	5/20/2018 21:31	0	0.1	21.1	0	0.02	
GP-3	5/20/2018 21:44	0	11.4	11.4	0	-0.01	
GP-46D	5/20/2018 21:58	0.1	0.1	21.2	2	-0.46	
GP-46I	5/20/2018 21:56	14.9	1.8	0.1	>>>>	-1.11	
GP-46S	5/20/2018 21:52	0	0.1	20.2	0	-0.07	
GP-47D	5/22/2018 12:14	0	0.6	18.3	0	0.16	
GP-47I	5/22/2018 12:12	41.7	22.4	0.2	>>>>	1.99	
GP-47S	5/22/2018 12:10	74.5	25.2	0.2	>>>>	3.67	
GP-48D	5/20/2018 22:07	0	0	21.4	0	-0.43	
GP-48I	5/20/2018 22:05	0	0.1	21.4	0	-0.01	
GP-48S	5/20/2018 22:04	0	0.3	18.9	0	-0.02	
GP-4A	5/20/2018 21:36	0	0.1	21.3	0	0.05	
GP-4B	5/20/2018 21:37	0	0.1	21.2	0	-0.02	
GP-52	5/22/2018 12:20	0	1.5	17.9	0	0.12	
GP-53	5/22/2018 12:22	0	0.3	18.9	0	0.55	
GP-54	5/22/2018 12:23	0	4.1	14.5	0	0.56	
GP-55	5/20/2018 21:03	0	0.1	21	0	-0.64	
GP-56	5/20/2018 21:06	0	1.2	17.1	0	-0.09	
GP-57	5/20/2018 20:56	40.5	25.4	2.1	>>>>	-11.71	
GP-58	5/20/2018 20:58	0.2	8.1	18.3	4	-54.48	
GP-59	5/20/2018 20:50	0	0.1	20.9	0	-0.27	
GP-5A	5/22/2018 11:55	0	0	20.3	0	0.52	
GP-5BA	5/22/2018 11:57	0	0.2	20.3	0	-4.58	Water @ 45 SECS.
GP-5BB	5/22/2018 11:59	0	0.1	20.4	0	0.53	
GP-5BC	5/22/2018 12:00	0	0.1	20.4	0	0.49	
GP-5BD	5/22/2018 12:01	0	0.1	20.4	0	0.68	
GP-60	5/20/2018 20:53	0	0.1	20.9	0	-0.02	
GP-61	5/20/2018 20:27	0.3	0.1	20.4	6	-0.03	
GP-62	5/20/2018 20:34	0.3	2.3	18.6	6	-0.01	
GP-6A	5/20/2018 21:14	0	0.1	21.1	0	-3.73	
GP-6B	5/20/2018 21:16	0	0.1	21.2	0	-0.51	
GP-6C	5/20/2018 21:17	0	0.1	21.2	0	-0.51	
GP-6D	5/20/2018 21:19	0	0.1	21.2	0	-1.14	
GP-6E	5/20/2018 21:20	0	0.1	21.2	0	-0.46	
GP-6F	5/20/2018 21:22	0	0.1	21.2	0	-0.51	
GP-6G	5/20/2018 21:23	0	0	21.2	0	-0.53	
GP-6H	5/20/2018 21:25	0	0.1	21.2	0	-1.17	
GP-7	5/20/2018 21:10	0	0.1	21.1	0	-0.52	
GP-8	5/20/2018 20:45	0	0.1	20.8	0	-0.64	
GP-9	5/20/2018 20:42	0	0.1	20.7	0	-0.65	
GP-B4-1	5/20/2018 21:40	0	2.5	18.1	0	-1.27	
GP-B4-2	5/20/2018 21:42	0	0.1	21.3	0	-0.56	

CEDAR HILLS REGIONAL LANDFILL
Landfill Gas Interior Probes
June 2018 Monitoring

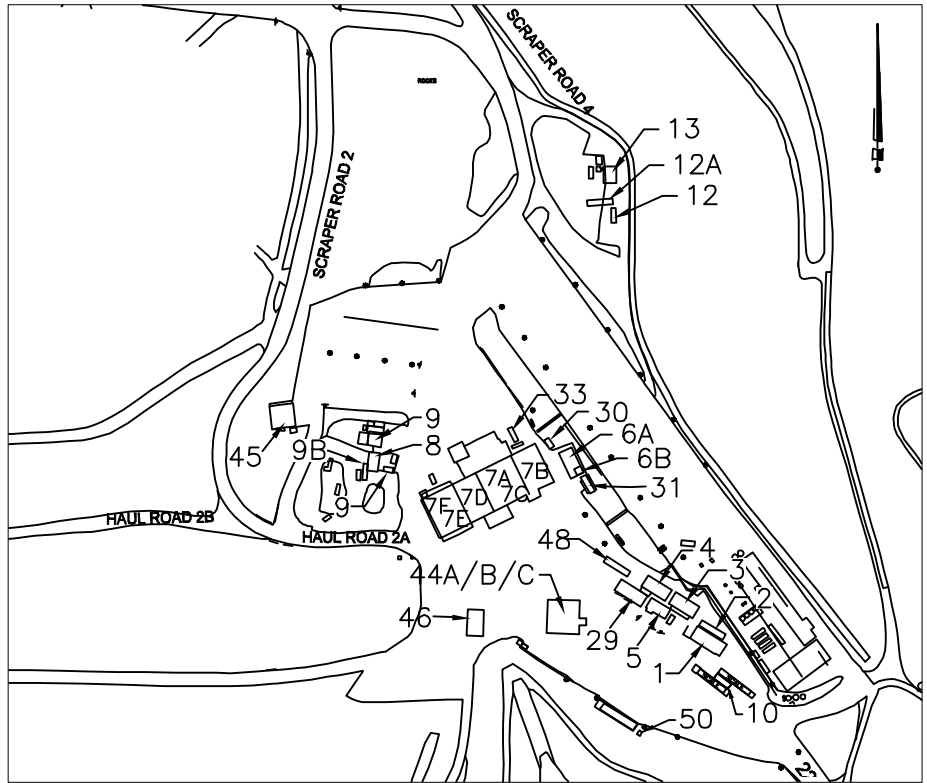
Probe ID	Date/Time	CH4 % vol	CO2 % vol2	O2 % vol3	Lower Explosive Limit %LEL	Static Pressure in INWC	Comments
ATC-3D	6/19/2018 14:28	0.2	8.5	11.9	4	0.16	
ATC-3S	6/19/2018 14:26	0	1.5	19.4	0	0.16	
GP-1A	6/6/2018 22:44	0	4.8	16.1	0	-0.03	
GP-1B	6/6/2018 22:47	0	0.1	21	0	-0.04	
GP-2A	6/6/2018 23:13	0	0	21	0	-0.03	
GP-2B	6/6/2018 23:15	0	6.8	10.6	0	-0.07	
GP-3	6/6/2018 23:37	0	9.2	15.3	0	-0.05	
GP-46D	6/6/2018 23:48	0	0.1	21	0	0.53	
GP-46I	6/6/2018 23:46	15.5	1.5	2.5	>>>>	1.46	
GP-46S	6/6/2018 23:44	0	0.1	19.8	0	-0.08	
GP-47D	6/19/2018 7:53	0	0.4	18.8	0	-0.11	
GP-47I	6/19/2018 7:52	20.8	15.3	5	>>>>	-1.44	
GP-47S	6/19/2018 7:50	0	0.1	20.9	0	-1.26	
GP-48D	6/7/2018 0:00	5.7	10.2	0.2	>>>>	1.06	
GP-48I	6/6/2018 23:58	0	0.2	21	0	-0.16	
GP-48S	6/6/2018 23:56	0	0.5	17.4	0	-0.13	
GP-4A	6/6/2018 23:23	0	8.5	6.5	0	-0.15	
GP-4B	6/6/2018 23:25	0	0.1	21	0	-0.03	
GP-52	6/19/2018 7:41	0	0.6	20	0	-0.04	
GP-53	6/19/2018 7:42	0.2	0.4	19.2	4	-0.2	
GP-54	6/19/2018 7:44	0	0.1	21	0	-0.72	
GP-55	6/6/2018 22:20	26.5	9.6	3.9	>>>>	1.13	
GP-56	6/6/2018 22:22	0.1	1.6	18.2	2	-0.23	
GP-57	6/6/2018 22:11	45.7	26.2	1.8	>>>>	-10.68	
GP-58	6/6/2018 22:13	2.8	30.6	0	56	-1.4	
GP-59	6/6/2018 22:01	17.6	5.4	9.3	>>>>	0.97	
GP-5A	6/19/2018 14:14	0	0	20.8	0	-1.6	
GP-5BA	6/19/2018 14:18	0	0	0	0	0	No Reading, Water
GP-5BB	6/19/2018 14:19	0	0	20.7	0	-1.62	
GP-5BC	6/19/2018 14:20	0	0	20.7	0	-1.59	
GP-5BD	6/19/2018 14:21	0	0	20.8	0	-1.46	
GP-60	6/6/2018 22:04	0	0.1	20.8	0	-0.02	
GP-61	6/6/2018 21:41	0	0.7	20.2	0	0.76	
GP-62	6/6/2018 21:44	0	2.2	18.9	0	0.04	
GP-6A	6/6/2018 22:52	0	0.1	21	0	-1.21	
GP-6B	6/6/2018 22:54	0	2.7	8.5	0	1.46	
GP-6C	6/6/2018 22:55	0	0.1	21	0	1.47	
GP-6D	6/6/2018 22:57	0	0.3	18.9	0	0.87	
GP-6E	6/6/2018 22:59	0	0.1	20.8	0	1.41	
GP-6F	6/6/2018 23:01	0	0.1	21	0	1.52	
GP-6G	6/6/2018 23:03	0	1.5	11.5	0	1.43	
GP-6H	6/6/2018 23:05	0	0.6	17.6	0	0.65	
GP-7	6/6/2018 22:38	0	2.7	15	0	1	
GP-8	6/6/2018 22:31	0	1.9	15	0	0.96	
GP-9	6/6/2018 21:54	0	0.1	20.8	0	1.2	
GP-B4-1	6/6/2018 23:31	0	2.7	18	0	0.51	
GP-B4-2	6/6/2018 23:33	0	2.6	18.8	0	0.89	

On-Site Building Monitoring

Aeration Ponds

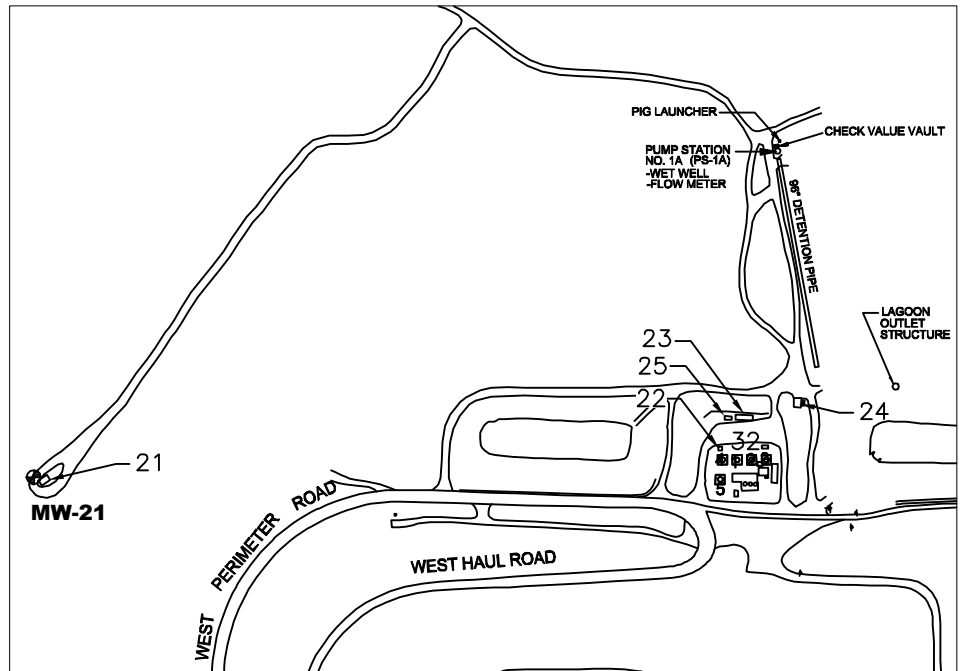


Shop and Office Buildings



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 ₂ O ₂ room
20	LEPS, Elec Panels
21	Storage(Old PS1)
22	Storage/N.Flare
23	LFGAS Office
24	NE Generator Bldg.
25	Storage BLDG. @ N.F.S.
29	OPS Administration Office
30	Women Brk Rm.
31	Landfill Leads/Accts Payable
32	North Flare Station
33	SPOC trailer
44A	Truck Wash West Restroom
44B	Truck Wash East Restroom
44C	Pressure Wash Room
45	Heavy Equipment Canopy
46	Fuel Island
48	Operations Planning
49	CCG Faster (Not Shown)
50	Chlorine Shed

North Flare Station



CEDAR HILLS REGIONAL LANDFILL BUILDING NUMBERS

Source: KCSWD, February 2012



King County

Regional Landfill
Environmental Monitoring Report
2nd Quarter 2018

Landfill Gas Structure Monitoring Location

Environmental Monitoring Sampling and Analysis Plan

Cedar Hills Regional Landfill, King County, Washington

B-115

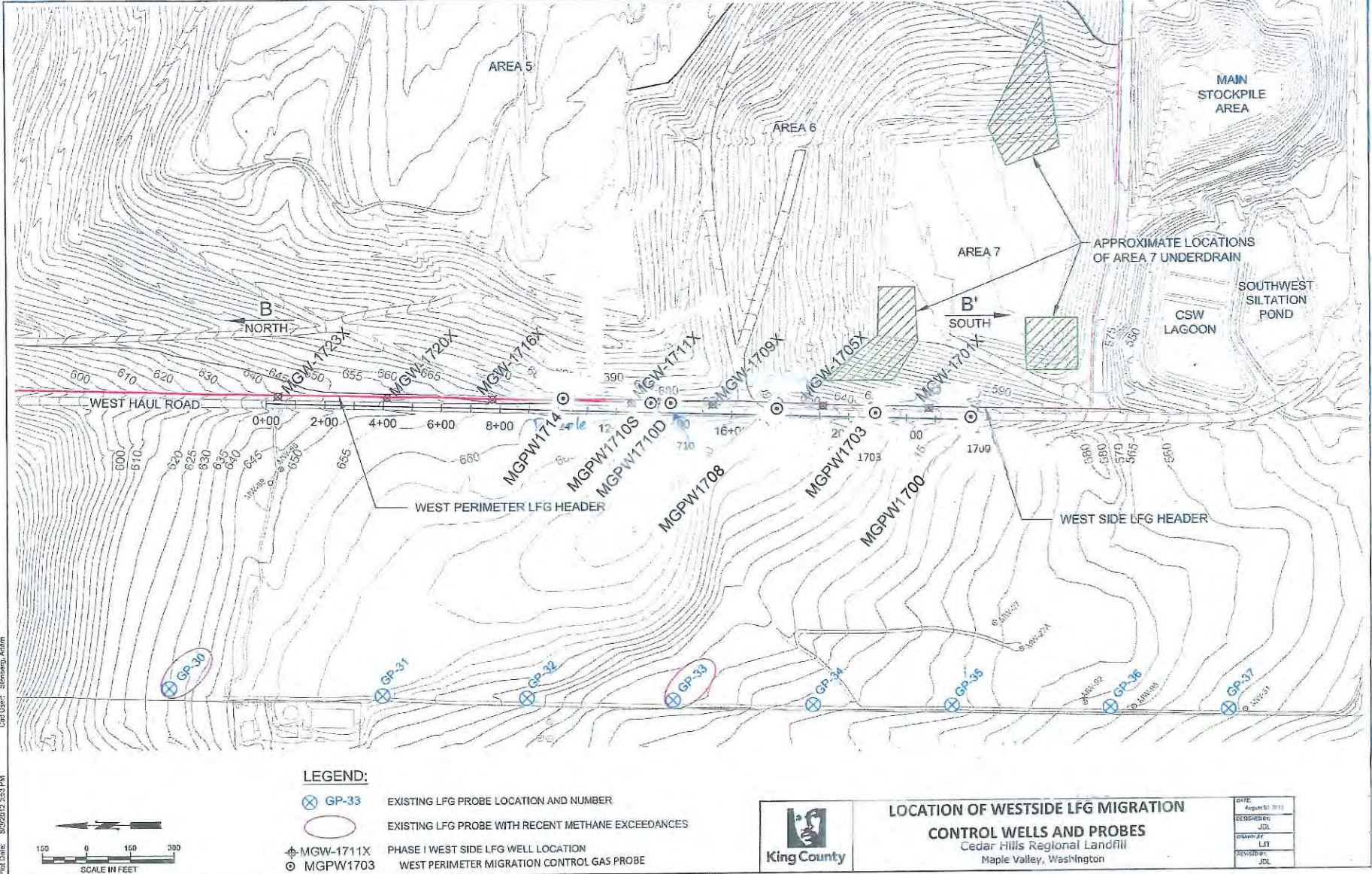
DATE:	February 2012
DESIGNED BY:	
DRAWN BY:	
REVISED BY:	

PROJECT NO.

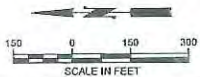
FIGURE NO.

**SECOND QUARTER
BUILDING MONITORING**

 King County	INSTRUMENT: Place check by instrument used			WEATHER:	DATE: 04/03/18	
	Foxboro TVA 1000 (sn. 301) Foxboro TVA 1000 (sn. 732)				Mostly Cloudy/ Calm	TECH: BL
ENVIS ID	BLDG #	DESCRIPTION	CH ₄ (ppm)	REMARKS	BAR PRESS (in. Hg)	TIME
GOC- 04/03/18	1	FRONT OFFICE			29.97	8:25pm
GCR- 04/03/18	2	CONF ROOM				
GAO- 04/03/18	3	PAYROLL OFFICE				
GEO- 04/03/18	4	ENGR. OFFICE				
GLRC- 04/03/18	5	LUNCHROOM				
GSPC 04/03/18		SPOC				
GELO- 04/03/18 A	6A	DRY STORAGE		Partially inaccessible		
GELO- 04/03/18 B	6B	ELECTRICIAN OFFICE				
GAP- 04/03/18		ACCOUNT PAYABLE				
GSO- 04/03/18 A	7A	SHOP OFFICE				
GPR- 04/03/18 B	7B	PARTS ROOM				
GMS- 04/03/18 C	7C	SHOP PIT AREA/BAY				
GTB- 04/03/18 D	7D	SHOP TIRE BAY				
GEW- 04/03/18 E	7E	EAST WELD SHOP				
GWW- 04/03/18 F	7F	WEST WELD SHOP				
GCS- 04/03/18	8	CARPENTER'S		Partially inaccessible		
GSS- 04/03/18	9	WASTEWATER				
GSS- 04/03/18 B	9B	CARPENTER/STORAGE		Partially inaccessible		
GSH- 04/03/18	10	SCALEHOUSE				
GB13- 04/03/18	13	WW COMPRESSOR				
GB16- 04/03/18	16	GENERATOR				
GB19- 04/03/18	19	LEPS (P.S.# 5)		Hazardous area		
GB19- 04/03/18 B	19B	LEPS/H ₂ O ₂ ROOM		Hazardous area		
GB20- 04/03/18	20	LEPS ELEC PANALS		Hazardous area		
GB21- 04/03/18	21	STORAGE(OLD PS 1)				
GB22- 04/03/18	22	STORAGE/N FLARE				
GB23- 04/03/18	23	LFGAS				
GB24- 04/03/18	24	NE GENERATOR BLDG				
GBWW- 04/03/18	30	WOMEN BRK RM				
GPWT- 04/03/18	PW	PRESSURE WASH RM				
GBRR- 04/03/18	RR	TRUCKWASH RR W				
GBSS- 04/03/18	SS	TRUCKWASH RR E				
GBZZ- 04/03/18	29	MANAGERS TRAILER				
GBPT- 04/03/18		CCG FASTER				
GCLS- 04/03/18		CHLORINE SHED				



Path: S:\2018\11\04\env\env\ch\rf\West Perimeter Header\Maple Valley_Landfill.dwg
 Plot Date: 8/2/2018 3:53 PM
 User: sammyj.adam



CEDAR HILLS REGIONAL LANDFILL
West Perimeter Landfill Gas Migration Control Probes
Second Quarter 2018 Monitoring

Probe ID	Date	Time	Barometric				Static Pressure in INWC
			Pressure in Hg	CH4 % vol	CO2 % vol	O2 % vol	
MGPW 1700	4/24/2018	10:54am	30.1	0.0	0.0	19.3	0
MGPW 1700	5/18/2018	10:36am	29.92	0.0	0.1	20.5	0.02
MGPW 1700	5/30/2018	8:31am	29.98	0.0	0.1	20.6	0
MGPW 1700	6/20/2018	12:00pm	29.91	0.0	0.0	18.8	0
MGPW 1700	6/26/2018	2:11pm	30.12	0.0	0.0	19.6	0
MGPW 1708	4/24/2018	11:14am	30.1	0.0	0.0	19.9	-0.5
MGPW 1708	5/15/2018	10:53am	29.92	0.0	0.1	20.7	-1.64
MGPW 1708	5/30/2018	8:42am	29.98	0.0	0.2	20.9	-0.72
MGPW 1708	6/20/2018	11:56am	29.91	0.0	0.0	19.0	-0.72
MGPW 1708	6/26/2018	2:01pm	30.12	0.0	0.0	19.9	-1.52
MGPW 1710S	4/24/2018	11:10am	30.10	0.0	0.0	20.1	-0.44
MGPW 1710S	5/15/2018	11:06am	29.92	0.0	0.1	20.9	-1.13
MGPW 1710S	5/30/2018	8:57am	29.98	0.0	0.2	21.0	-0.58
MGPW 1710S	6/20/2018	11:52am	29.91	0.0	0.0	19.1	-0.67
MGPW 1710S	6/26/2018	1:53pm	30.12	0.0	0.0	19.8	-1.41
MGPW 1710D	4/24/2018	11:12am	30.1	0.0	0.0	20.1	-0.45
MGPW 1710D	5/15/2018	11:09am	29.92	0.0	0.1	21.0	-1.59
MGPW 1710D	5/30/2018	8:59am	29.98	0.0	0.2	21.0	-0.66
MGPW 1710D	6/20/2018	11:53am	29.91	0.0	0.0	19.3	-0.66
MGPW 1710D	6/26/2018	1:54pm	30.12	0.0	0.0	20.1	-1.43
MGPW 1714	4/24/2018	11:08am	30.10	0.0	0.0	19.7	-0.38
MGPW 1714	5/15/2018	11:13am	29.92	0.0	0.2	21.0	-1.57
MGPW 1714	5/30/2018	9:04am	29.98	0.0	0.1	21.0	-0.59
MGPW 1714	6/20/2018	11:49am	29.91	0.0	0.0	19.1	-0.66
MGPW 1714	6/26/2018	2:15pm	30.12	0.0	0.0	20.1	-1.26

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

QUAL	QUALIFIER DESCRIPTION
U	Undetected; Analyte Concentration Less than Method Detection Limit (< MDL)
T	Estimated; Less than Reporting Detection Limit (<RDL) but Greater than Method Detection Limit (> MDL)
J	Reported Value is an Estimate
B	Matrix Target Analyte Present in Blank, AND, Sample Result Less than or Equal to 10x Blank Detection
C	Confluent Growth
E	Estimated; Outside Expected Accuracy
H	Exceeds Holding Time
R	Data Rejected
S	Sample Handling Errors
X	Too Numerous to Count
D	Re-analysis Due to Dilution
P	PASS – Qualitative Result Acceptable
F	FAIL – Qualitative Result is not Acceptable
G	Estimated with Low Bias (Coliform; BOD; All Other Chemistry Parameters)
L	Estimated with High Bias (BOD; All Other Chemistry Parameters)

APPENDIX C

Meteorological Data

Date/Time	Wind Speed (Average) Miles per Hour	Wind Direction Degrees	Sigma Theta Degrees	2 M Temperature (Average) °C	Barometric Pressure inches-Hg	Precipitation inches
4/1/2018 0:00	5.307	190.2	7.744	6.681	29.24	0
4/1/2018 0:15	3.985	179.2	8.25	6.77	29.24	0
4/1/2018 0:30	5.183	185.7	7.965	6.778	29.24	0
4/1/2018 0:45	5.578	183.4	6.951	6.579	29.24	0
4/1/2018 1:00	7.841	189.8	9.23	6.458	29.23	0
4/1/2018 1:15	8.21	200.4	9.77	6.51	29.23	0
4/1/2018 1:30	7.388	192.1	10.96	6.459	29.23	0
4/1/2018 1:45	8.39	205.6	12.9	6.392	29.23	0
4/1/2018 2:00	10.45	221.3	8.81	6.24	29.23	0
4/1/2018 2:15	10.04	205.7	6.593	6.111	29.23	0
4/1/2018 2:30	7.548	192.5	16.29	6.013	29.23	0
4/1/2018 2:45	6.726	171.3	9.82	5.938	29.23	0
4/1/2018 3:00	11.15	197	14.73	5.908	29.23	0
4/1/2018 3:15	11.03	200.1	10.28	5.757	29.23	0
4/1/2018 3:30	10.82	182.7	14.61	5.549	29.23	0
4/1/2018 3:45	10.58	165.9	8.18	5.395	29.23	0
4/1/2018 4:00	10.66	163	8.86	5.323	29.21	0
4/1/2018 4:15	12.24	158.1	10.05	5.301	29.21	0
4/1/2018 4:30	12.66	162.9	8.83	5.277	29.21	0
4/1/2018 4:45	11.57	163.7	6.983	5.209	29.21	0
4/1/2018 5:00	11.6	171.7	7.435	5.212	29.18	0
4/1/2018 5:15	13.41	181.1	9.78	5.294	29.18	0
4/1/2018 5:30	13.93	190.2	8.45	5.371	29.18	0
4/1/2018 5:45	12.77	187.8	9.7	5.417	29.18	0
4/1/2018 6:00	13.05	180.9	10.37	5.467	29.16	0
4/1/2018 6:15	11.99	169	10.97	5.436	29.16	0
4/1/2018 6:30	11.01	163.6	9.02	5.333	29.16	0
4/1/2018 6:45	10.52	160.9	9.43	5.252	29.16	0
4/1/2018 7:00	10.58	162.3	8.87	5.153	29.13	0
4/1/2018 7:15	9.99	169.9	13.69	4.898	29.13	0.01
4/1/2018 7:30	14.37	183	9.01	4.664	29.13	0.01
4/1/2018 7:45	14.21	185.8	9.01	4.392	29.13	0.01
4/1/2018 8:00	15.36	198	8.53	4.304	29.14	0.01
4/1/2018 8:15	11.59	186.9	9.26	4.108	29.14	0.01
4/1/2018 8:30	15.05	188.7	8.04	4.087	29.14	0
4/1/2018 8:45	12.6	187.5	9.1	4.055	29.14	0.01
4/1/2018 9:00	13.03	191.6	10	4.112	29.14	0.01
4/1/2018 9:15	12.76	191.7	10.56	4.152	29.14	0
4/1/2018 9:30	16.43	193	10.32	4.163	29.14	0.01
4/1/2018 9:45	15.25	193.8	10.6	4.109	29.14	0
4/1/2018 10:00	12.91	187	10.19	4.117	29.12	0
4/1/2018 10:15	14.04	182.1	9.63	4.244	29.12	0
4/1/2018 10:30	12.63	171.3	12.41	4.381	29.12	0
4/1/2018 10:45	11.83	163.8	11.21	4.413	29.12	0
4/1/2018 11:00	12.99	178.6	11.39	4.571	29.09	0
4/1/2018 11:15	12.74	186.9	10.58	4.769	29.09	0
4/1/2018 11:30	15.44	183.3	9.9	4.928	29.09	0
4/1/2018 11:45	13	183.7	13.45	5.095	29.09	0
4/1/2018 12:00	13.56	188.6	11.59	5.238	29.08	0
4/1/2018 12:15	14.33	190.4	11.04	5.394	29.08	0
4/1/2018 12:30	14.14	189	10.26	5.472	29.08	0
4/1/2018 12:45	16.18	194.2	8.64	5.673	29.08	0
4/1/2018 13:00	15.2	198.2	9.62	5.861	29.07	0
4/1/2018 13:15	15.41	194.8	10.08	5.782	29.07	0

4/1/2018 13:30	14.82	193.8	12.59	5.992	29.07	0
4/1/2018 13:45	14.05	196	14.64	6.502	29.07	0
4/1/2018 14:00	15.07	202.9	12.99	6.97	29.05	0
4/1/2018 14:15	16.62	200.4	11.73	6.785	29.05	0
4/1/2018 14:30	17.87	198.6	10.54	6.691	29.05	0
4/1/2018 14:45	13.9	204.6	11.61	6.823	29.05	0
4/1/2018 15:00	13.01	208.5	15.98	6.995	29.01	0
4/1/2018 15:15	14.61	213.7	14.05	7.304	29.01	0
4/1/2018 15:30	14.41	208.4	11.54	7.407	29.01	0
4/1/2018 15:45	11.24	196	11.88	7.484	29.01	0
4/1/2018 16:00	16.68	215.2	14.33	7.754	29	0
4/1/2018 16:15	14.58	218.9	11.91	8.29	29	0
4/1/2018 16:30	19.12	222.4	10.8	7.899	29	0
4/1/2018 16:45	15.9	226.6	13.45	7.788	29	0
4/1/2018 17:00	16.89	226.1	12.07	7.511	28.98	0
4/1/2018 17:15	14.08	225.1	13.5	7.494	28.98	0
4/1/2018 17:30	12.04	228.8	14.03	7.385	28.98	0
4/1/2018 17:45	13.7	241.4	11.52	6.905	28.98	0
4/1/2018 18:00	12.94	241.4	10.55	6.52	29	0
4/1/2018 18:15	11.31	239.2	15.64	6.336	29	0
4/1/2018 18:30	11.35	246.9	14.16	6.066	29	0
4/1/2018 18:45	15.29	221.2	11.65	5.704	29	0
4/1/2018 19:00	9.18	206	17.39	5.378	29.01	0
4/1/2018 19:15	5.339	62.21	40.24	4.002	29.01	0
4/1/2018 19:30	10.79	15.01	26.61	2.982	29.01	0
4/1/2018 19:45	9.5	11.65	17.03	2.013	29.01	0
4/1/2018 20:00	6.02	35.41	21.68	1.316	29.01	0
4/1/2018 20:15	1.082	63.35	4.428	1.71	29.01	0
4/1/2018 20:30	3.892	351.3	40.26	2.166	29.01	0
4/1/2018 20:45	4.105	328.1	17.93	1.781	29.01	0
4/1/2018 21:00	2.667	20.26	28.85	1.175	29.03	0
4/1/2018 21:15	3.87	23.02	13.74	0.585	29.03	0
4/1/2018 21:30	4.123	13.78	17.15	0.476	29.03	0
4/1/2018 21:45	3.053	29.15	11.07	0.511	29.03	0
4/1/2018 22:00	1.029	47.37	2.651	0.822	29.02	0
4/1/2018 22:15	0.224	57.42	4.789	1.139	29.02	0
4/1/2018 22:30	1.587	86.3	19.96	1.108	29.02	0
4/1/2018 22:45	4.166	160.8	19.15	1.44	29.02	0
4/1/2018 23:00	7.375	171.4	8.78	1.878	29.03	0
4/1/2018 23:15	4.702	133.9	26.46	1.538	29.03	0
4/1/2018 23:30	4.538	135.2	10.78	1.33	29.03	0
4/1/2018 23:45	6.804	145	9.4	1.577	29.03	0
4/2/2018 0:00	9.15	153.9	6.993	1.795	29.06	0
4/2/2018 0:15	9.53	155	7.621	1.739	29.06	0
4/2/2018 0:30	7.537	145.9	8.04	1.647	29.06	0
4/2/2018 0:45	8.81	161.8	14.33	1.698	29.06	0
4/2/2018 1:00	7.425	162.1	10.15	1.706	29.05	0
4/2/2018 1:15	9.63	160.1	9.17	1.653	29.05	0.01
4/2/2018 1:30	7.729	171.2	8.6	1.778	29.05	0.01
4/2/2018 1:45	8.47	174.7	12.17	1.725	29.05	0
4/2/2018 2:00	9.03	182.7	7.868	1.752	29.04	0.01
4/2/2018 2:15	8.75	174.1	8.87	1.699	29.04	0.01
4/2/2018 2:30	7.748	168.1	10.16	1.633	29.04	0
4/2/2018 2:45	7.955	173.7	13.43	1.659	29.04	0.01
4/2/2018 3:00	8.13	174.7	11.72	1.643	29.07	0.01
4/2/2018 3:15	8.45	181.2	9.91	1.69	29.07	0.01
4/2/2018 3:30	9.37	175.5	9.02	1.633	29.07	0
4/2/2018 3:45	9.95	178.7	8.57	1.636	29.07	0.01
4/2/2018 4:00	8.01	180	16.41	1.601	29.09	0.01

4/2/2018 4:15	8	183.2	10.02	1.643	29.09	0
4/2/2018 4:30	7.981	193	9.29	1.614	29.09	0.01
4/2/2018 4:45	7.93	196.1	9.12	1.565	29.09	0
4/2/2018 5:00	7.999	194.9	12.37	1.557	29.09	0.01
4/2/2018 5:15	6.292	184.8	11.25	1.514	29.09	0.01
4/2/2018 5:30	6.1	168.2	13.04	1.479	29.09	0
4/2/2018 5:45	5.841	179	9.78	1.537	29.09	0
4/2/2018 6:00	4.909	190.2	9.68	1.577	29.14	0.01
4/2/2018 6:15	5.743	182.8	9.47	1.601	29.14	0
4/2/2018 6:30	6.16	180.2	7.381	1.614	29.14	0
4/2/2018 6:45	5.568	163.1	13.54	1.445	29.14	0.01
4/2/2018 7:00	4.949	161	11.48	1.608	29.17	0
4/2/2018 7:15	4.524	176.4	21.84	2.132	29.17	0
4/2/2018 7:30	3.932	161.4	24.81	1.956	29.17	0.01
4/2/2018 7:45	5.102	154.1	14.47	2.527	29.17	0
4/2/2018 8:00	5.77	155.4	13.97	2.243	29.18	0.01
4/2/2018 8:15	5.33	137	27.49	3.263	29.18	0.01
4/2/2018 8:30	6.855	159.4	11.97	3.209	29.18	0.01
4/2/2018 8:45	6.866	142.8	12.44	3.074	29.18	0.01
4/2/2018 9:00	7.241	142.5	10.29	3.576	29.22	0.01
4/2/2018 9:15	7.261	147.2	9.56	4.405	29.22	0.01
4/2/2018 9:30	6.687	133.9	11.55	4.43	29.22	0.01
4/2/2018 9:45	5.397	134.1	27.9	5.536	29.22	0.01
4/2/2018 10:00	6.976	202.7	12.85	4.9	29.24	0
4/2/2018 10:15	5.138	190.8	15.83	5.407	29.24	0
4/2/2018 10:30	3.84	184	19.81	5.457	29.24	0
4/2/2018 10:45	4.286	169.4	28.87	6.374	29.24	0
4/2/2018 11:00	5.492	176.2	29.09	7.022	29.25	0
4/2/2018 11:15	4.412	166.2	29.83	6.863	29.25	0
4/2/2018 11:30	6.109	170.4	19.78	7.442	29.25	0
4/2/2018 11:45	7.762	178.6	26.57	7.698	29.25	0
4/2/2018 12:00	8.34	198	27.67	7.841	29.25	0
4/2/2018 12:15	11.32	210	22.85	7.98	29.25	0
4/2/2018 12:30	11.44	177.2	15.09	8.56	29.25	0
4/2/2018 12:45	10.81	209.7	12.36	8.59	29.25	0
4/2/2018 13:00	9.76	206.2	12.96	8.47	29.26	0
4/2/2018 13:15	8.86	191.2	15.48	8.57	29.26	0
4/2/2018 13:30	12.66	214.6	12.85	8.56	29.26	0
4/2/2018 13:45	11.63	209.2	11.28	8.11	29.26	0
4/2/2018 14:00	8.49	201.1	12.33	8.42	29.26	0
4/2/2018 14:15	6.897	201.4	19.58	8.58	29.26	0
4/2/2018 14:30	11.1	239.5	16.8	9.33	29.26	0
4/2/2018 14:45	11.2	212.6	14.48	9.25	29.26	0
4/2/2018 15:00	10.13	227.6	14.79	9.37	29.24	0
4/2/2018 15:15	13.58	209.1	9.73	9.48	29.24	0
4/2/2018 15:30	12.91	216.4	15.57	9.49	29.24	0
4/2/2018 15:45	12.57	216.8	20.56	9.53	29.24	0
4/2/2018 16:00	16.33	202.7	8.55	9.25	29.24	0
4/2/2018 16:15	15.19	221.1	11.84	9.38	29.24	0
4/2/2018 16:30	16.87	211.1	13.56	9.27	29.24	0
4/2/2018 16:45	19.58	208.4	9.36	9.02	29.24	0
4/2/2018 17:00	17.89	215.6	12.94	8.61	29.25	0
4/2/2018 17:15	14.43	211.8	10.54	8.6	29.25	0
4/2/2018 17:30	13.16	219.4	10.25	8.25	29.25	0
4/2/2018 17:45	16.65	215.3	9.16	7.741	29.25	0
4/2/2018 18:00	15.8	210.9	8.75	7.229	29.28	0
4/2/2018 18:15	14.05	222.7	10.64	7.097	29.28	0
4/2/2018 18:30	14.06	213.6	10.03	6.871	29.28	0
4/2/2018 18:45	12.45	210.7	10.26	6.664	29.28	0

4/2/2018 19:00	12.21	205.3	12.57	6.581	29.28	0
4/2/2018 19:15	10.04	203.6	7.885	6.452	29.28	0
4/2/2018 19:30	11.98	204.8	9.16	6.333	29.28	0
4/2/2018 19:45	10.85	205.4	10.1	6.153	29.28	0
4/2/2018 20:00	11.57	202.3	8.81	6.097	29.3	0
4/2/2018 20:15	12.18	201	8.34	5.982	29.3	0
4/2/2018 20:30	11.67	201.2	6.769	5.785	29.3	0
4/2/2018 20:45	10.33	198.5	6.505	5.66	29.3	0
4/2/2018 21:00	11.37	194.3	8.83	5.576	29.3	0
4/2/2018 21:15	10.91	205.8	7.131	5.428	29.3	0
4/2/2018 21:30	9.26	193.2	10.23	5.208	29.3	0
4/2/2018 21:45	9.39	194	8.31	5.082	29.3	0
4/2/2018 22:00	7.517	173.6	10.79	4.796	29.32	0
4/2/2018 22:15	7.326	172.2	7.146	4.492	29.32	0
4/2/2018 22:30	6.749	156	9.79	4.123	29.32	0
4/2/2018 22:45	7.588	150.3	6.731	4.164	29.32	0
4/2/2018 23:00	7.722	147.2	6.524	4.305	29.33	0
4/2/2018 23:15	7.666	143.6	7.913	4.391	29.33	0
4/2/2018 23:30	7.602	149.1	7.503	4.277	29.33	0
4/2/2018 23:45	7.533	150	6.422	4.175	29.33	0
4/3/2018 0:00	7.632	157.5	8.18	4.018	29.31	0
4/3/2018 0:15	8.11	152	8.67	4.027	29.31	0
4/3/2018 0:30	7.525	145.5	7.798	3.996	29.31	0
4/3/2018 0:45	8.84	155.2	6.375	3.965	29.31	0
4/3/2018 1:00	7.441	157.1	6.995	3.937	29.31	0
4/3/2018 1:15	6.465	154.8	7.603	3.876	29.31	0
4/3/2018 1:30	5.818	160.4	13.06	3.896	29.31	0
4/3/2018 1:45	5.605	173.3	9.33	4.042	29.31	0
4/3/2018 2:00	5.449	178.6	7.315	4.099	29.31	0
4/3/2018 2:15	5.106	165.9	7.424	3.917	29.31	0
4/3/2018 2:30	4.004	157.8	9.89	3.772	29.31	0
4/3/2018 2:45	4.404	137.1	5.14	3.377	29.31	0
4/3/2018 3:00	4.159	126.6	6.402	3.574	29.28	0
4/3/2018 3:15	3.832	122.3	8.18	3.548	29.28	0
4/3/2018 3:30	5.772	131.3	7.022	3.632	29.28	0
4/3/2018 3:45	5.906	132.8	6.227	3.616	29.28	0
4/3/2018 4:00	5.416	131.6	7.073	3.684	29.3	0
4/3/2018 4:15	5.852	128.3	7.384	3.76	29.3	0
4/3/2018 4:30	5.155	126.5	5.863	3.621	29.3	0
4/3/2018 4:45	5.396	127.4	6.798	3.614	29.3	0
4/3/2018 5:00	5.948	129.8	5.955	3.693	29.26	0
4/3/2018 5:15	5.159	137	8.45	3.618	29.26	0
4/3/2018 5:30	5.345	133.3	6.718	3.503	29.26	0
4/3/2018 5:45	5.357	131	7.028	3.59	29.26	0
4/3/2018 6:00	4.166	128.1	7.011	3.625	29.28	0
4/3/2018 6:15	2.787	115.5	6.85	3.899	29.28	0
4/3/2018 6:30	2.685	105.4	6.008	4.008	29.28	0
4/3/2018 6:45	0.994	107.6	0.107	3.912	29.28	0
4/3/2018 7:00	0.792	161.7	36.33	4.002	29.25	0
4/3/2018 7:15	1.492	142.2	22.51	4.13	29.25	0
4/3/2018 7:30	1.563	148.6	16.31	4.3	29.25	0
4/3/2018 7:45	2.485	148.7	11.93	4.301	29.25	0
4/3/2018 8:00	3.513	122.5	9.83	4.674	29.26	0
4/3/2018 8:15	3.924	124.7	9.64	5.143	29.26	0
4/3/2018 8:30	3.436	109	21.5	5.613	29.26	0
4/3/2018 8:45	4.047	107.5	18.88	5.944	29.26	0
4/3/2018 9:00	3.888	108	32.26	6.09	29.24	0
4/3/2018 9:15	3.166	147.5	25.87	6.227	29.24	0
4/3/2018 9:30	4.163	206.1	37.49	6.383	29.24	0

4/3/2018 9:45	2.399	140.8	50.96	6.595	29.24	0
4/3/2018 10:00	3.128	152.9	31	6.692	29.21	0
4/3/2018 10:15	3.436	171.9	37.02	6.745	29.21	0
4/3/2018 10:30	4.21	268.4	17.56	7.11	29.21	0
4/3/2018 10:45	1.73	311.6	66.34	7.437	29.21	0
4/3/2018 11:00	2.58	164.6	35.57	7.569	29.23	0
4/3/2018 11:15	3.565	179.7	35.41	7.477	29.23	0
4/3/2018 11:30	0.975	260.2	51.6	7.735	29.23	0
4/3/2018 11:45	2.164	230	39.21	7.749	29.23	0
4/3/2018 12:00	2.38	236.8	69.83	7.971	29.21	0
4/3/2018 12:15	0.978	7.334	41.52	8.26	29.21	0
4/3/2018 12:30	3.351	6.067	45.41	8.04	29.21	0
4/3/2018 12:45	4.072	328	19.64	8.15	29.21	0
4/3/2018 13:00	5.73	299.9	15.93	8.4	29.21	0
4/3/2018 13:15	4.756	326.3	19.34	8.41	29.21	0
4/3/2018 13:30	4.575	295.5	78.78	8.58	29.21	0
4/3/2018 13:45	5.751	280.1	27.42	8.39	29.21	0
4/3/2018 14:00	3.278	283.4	63.12	8.5	29.2	0
4/3/2018 14:15	4.78	264.1	35.59	8.65	29.2	0
4/3/2018 14:30	5.298	269	32.76	8.63	29.2	0
4/3/2018 14:45	4.023	290.4	22.94	8.6	29.2	0
4/3/2018 15:00	3.183	311.3	20.65	8.57	29.19	0
4/3/2018 15:15	6.176	306.9	29.76	8.37	29.19	0
4/3/2018 15:30	5.182	272.2	18.29	8.44	29.19	0
4/3/2018 15:45	5.456	277.2	14.45	8.59	29.19	0
4/3/2018 16:00	3.721	309.4	42.19	8.49	29.2	0
4/3/2018 16:15	4.32	314	24.11	8.42	29.2	0
4/3/2018 16:30	4.415	307.3	12.53	8.53	29.2	0
4/3/2018 16:45	6.231	298.5	11.11	8.29	29.2	0
4/3/2018 17:00	4.274	301.8	14.52	8.21	29.21	0
4/3/2018 17:15	3.31	276.5	22.47	8.13	29.21	0
4/3/2018 17:30	3.246	264.1	17.89	8.09	29.21	0
4/3/2018 17:45	2.957	275.1	8.85	8.18	29.21	0
4/3/2018 18:00	1.855	275.9	9.48	8.09	29.18	0
4/3/2018 18:15	1.256	293.7	6.66	7.889	29.18	0
4/3/2018 18:30	2.037	262.8	16.63	7.778	29.18	0
4/3/2018 18:45	1.595	247.6	7.355	7.749	29.18	0
4/3/2018 19:00	1.953	218.1	4.029	7.712	29.18	0
4/3/2018 19:15	2.17	206	24.43	7.679	29.18	0
4/3/2018 19:30	1.253	102.5	13.12	7.37	29.18	0
4/3/2018 19:45	1.224	91.8	2.341	7.042	29.18	0
4/3/2018 20:00	2.235	136.5	42.42	7.077	29.21	0
4/3/2018 20:15	2.901	174.8	12.64	7.185	29.21	0
4/3/2018 20:30	2.863	166	10.68	6.908	29.21	0
4/3/2018 20:45	3.808	148.2	16.94	6.434	29.21	0
4/3/2018 21:00	5.065	189.2	10.81	6.429	29.23	0
4/3/2018 21:15	4.798	185.1	8.71	6.32	29.23	0
4/3/2018 21:30	4.418	182.3	6.797	6.346	29.23	0
4/3/2018 21:45	3.77	157.3	14.39	6.168	29.23	0
4/3/2018 22:00	4.637	156.8	17.24	6.232	29.23	0
4/3/2018 22:15	6.159	178.4	11.27	6.445	29.23	0
4/3/2018 22:30	5.794	172.7	8.34	6.278	29.23	0
4/3/2018 22:45	7.077	154.8	10.41	5.988	29.23	0
4/3/2018 23:00	7.47	149.9	4.952	5.919	29.24	0
4/3/2018 23:15	7.09	158.5	7.187	5.836	29.24	0
4/3/2018 23:30	6.33	151.5	6.796	5.797	29.24	0
4/3/2018 23:45	6.658	155.1	6.959	5.709	29.24	0
4/4/2018 0:00	5.385	132	14.64	5.584	29.25	0
4/4/2018 0:15	4.365	127.7	18.91	5.438	29.25	0

4/4/2018 0:30	5.08	132.4	10.25	5.416	29.25	0
4/4/2018 0:45	6.013	127	7.839	5.357	29.25	0
4/4/2018 1:00	5.505	124.3	14.58	5.043	29.25	0
4/4/2018 1:15	3.998	112.2	12.2	4.722	29.25	0.01
4/4/2018 1:30	4.891	113	11.47	4.349	29.25	0
4/4/2018 1:45	3.765	115.8	9.43	3.967	29.25	0.01
4/4/2018 2:00	3.978	119.2	6.016	3.872	29.23	0
4/4/2018 2:15	3.592	120.4	16.62	3.726	29.23	0.01
4/4/2018 2:30	3.208	95	2.812	3.418	29.23	0
4/4/2018 2:45	2.894	95.7	6.776	3.397	29.23	0.01
4/4/2018 3:00	2.456	80.6	5.934	3.37	29.24	0.01
4/4/2018 3:15	2.183	67.2	3.752	3.332	29.24	0
4/4/2018 3:30	1.961	58	8.58	3.295	29.24	0.01
4/4/2018 3:45	1.351	54.21	5.398	3.29	29.24	0
4/4/2018 4:00	1.853	68.38	5.304	3.25	29.24	0
4/4/2018 4:15	2.2	73.65	2.932	3.231	29.24	0.01
4/4/2018 4:30	2.344	79.54	4.619	3.22	29.24	0
4/4/2018 4:45	1.962	66.86	5.957	3.158	29.24	0
4/4/2018 5:00	2.172	80.5	8.69	3.113	29.22	0
4/4/2018 5:15	2.555	109.9	5.397	3.261	29.22	0
4/4/2018 5:30	2.194	143.4	10.03	3.342	29.22	0
4/4/2018 5:45	1.662	120.6	19.99	3.229	29.22	0.01
4/4/2018 6:00	4.095	119	9.72	3.208	29.24	0
4/4/2018 6:15	4.953	129	8.53	3.39	29.24	0
4/4/2018 6:30	4.248	150.9	9.66	3.45	29.24	0
4/4/2018 6:45	4.178	157.9	4.985	3.528	29.24	0
4/4/2018 7:00	3.619	141.8	13.58	3.577	29.22	0.01
4/4/2018 7:15	3.757	118.2	9.15	3.69	29.22	0
4/4/2018 7:30	3.586	128.4	7.684	3.941	29.22	0
4/4/2018 7:45	3.377	128.5	14.19	4.248	29.22	0
4/4/2018 8:00	3.54	153.7	13.55	4.449	29.24	0
4/4/2018 8:15	3.608	118.3	14.29	4.697	29.24	0
4/4/2018 8:30	4.532	109.1	9.17	4.908	29.24	0
4/4/2018 8:45	3.73	121.5	17.08	5.191	29.24	0
4/4/2018 9:00	2.703	128.8	15.21	5.522	29.24	0
4/4/2018 9:15	2.711	102.2	13.85	5.692	29.24	0
4/4/2018 9:30	2.012	79.1	6.539	5.82	29.24	0
4/4/2018 9:45	1.615	82.6	11.57	5.992	29.24	0.01
4/4/2018 10:00	1.12	58.52	3.078	6.083	29.25	0.01
4/4/2018 10:15	2.034	68.55	5.458	6.136	29.25	0.01
4/4/2018 10:30	0.981	66.34	6.832	6.273	29.25	0
4/4/2018 10:45	0.87	52.79	9.34	6.57	29.25	0.01
4/4/2018 11:00	0.344	58.94	18.19	6.714	29.25	0.01
4/4/2018 11:15	0.883	115.5	63.91	6.812	29.25	0.01
4/4/2018 11:30	3.228	225.1	11.97	6.878	29.25	0.01
4/4/2018 11:45	3.593	210	12.6	6.612	29.25	0.02
4/4/2018 12:00	2.826	180.4	21.92	6.587	29.25	0.02
4/4/2018 12:15	3.385	131.7	12	6.73	29.25	0.01
4/4/2018 12:30	4.495	115.6	14.1	6.852	29.25	0.02
4/4/2018 12:45	6.596	120.8	12.07	6.775	29.25	0.01
4/4/2018 13:00	5.931	149.9	9.6	7.035	29.22	0.02
4/4/2018 13:15	5.805	160.9	8.72	7.177	29.22	0.01
4/4/2018 13:30	5.063	143.3	16.29	7.537	29.22	0.01
4/4/2018 13:45	4.611	115.1	17.2	7.69	29.22	0.01
4/4/2018 14:00	5.474	134.3	14.16	7.826	29.21	0
4/4/2018 14:15	7.776	144.8	10.34	7.887	29.21	0.01
4/4/2018 14:30	7.071	148.5	10.72	7.936	29.21	0.01
4/4/2018 14:45	6.353	156.1	8.27	7.797	29.21	0.01
4/4/2018 15:00	4.672	144.8	11.23	7.701	29.23	0.01

4/4/2018 15:15	1.162	117.5	17.12	7.813	29.23	0.01
4/4/2018 15:30	1.577	118.1	20.05	7.859	29.23	0
4/4/2018 15:45	1.417	141	13.72	7.815	29.23	0.01
4/4/2018 16:00	1.671	197.2	12.7	7.814	29.21	0.01
4/4/2018 16:15	2.195	234.3	14.75	7.757	29.21	0.01
4/4/2018 16:30	1.375	233.9	3.94	7.627	29.21	0.01
4/4/2018 16:45	1.371	26.8	16.07	7.752	29.21	0
4/4/2018 17:00	1.874	48.75	6.034	7.775	29.23	0
4/4/2018 17:15	1.167	86.3	51.29	7.725	29.23	0
4/4/2018 17:30	2.43	200.1	10.02	7.758	29.23	0.01
4/4/2018 17:45	1.737	131.3	32.17	7.689	29.23	0.01
4/4/2018 18:00	3.666	57.44	8.85	7.686	29.22	0
4/4/2018 18:15	3.434	53.79	16.54	7.58	29.22	0
4/4/2018 18:30	3.344	21.06	4.823	7.442	29.22	0
4/4/2018 18:45	3.785	20.23	7.997	7.374	29.22	0.01
4/4/2018 19:00	4.177	24.49	11.09	7.349	29.19	0
4/4/2018 19:15	4.608	16.29	11.55	7.366	29.19	0.01
4/4/2018 19:30	3.846	22.19	13.54	7.379	29.19	0.01
4/4/2018 19:45	5.171	42.93	8.25	7.312	29.19	0
4/4/2018 20:00	5.489	33.62	6	7.302	29.19	0.01
4/4/2018 20:15	3.999	39.16	9.84	7.355	29.19	0
4/4/2018 20:30	2.821	57.1	8.09	7.325	29.19	0
4/4/2018 20:45	2.195	43.3	13.67	7.2	29.19	0
4/4/2018 21:00	3.042	26.86	11.19	7.15	29.2	0
4/4/2018 21:15	3.226	20.25	4.473	7.119	29.2	0
4/4/2018 21:30	3.455	6.577	4.617	7.154	29.2	0.01
4/4/2018 21:45	4.154	26.09	9.14	7.085	29.2	0
4/4/2018 22:00	5.528	34.86	11.27	7.065	29.16	0
4/4/2018 22:15	4.156	74.03	20.55	7.236	29.16	0
4/4/2018 22:30	3.297	77.66	8.45	8.1	29.16	0
4/4/2018 22:45	3.501	24.14	9.82	7.279	29.16	0
4/4/2018 23:00	4.419	23.37	8.02	7.205	29.13	0.01
4/4/2018 23:15	4.32	24.18	5.678	7.29	29.13	0
4/4/2018 23:30	4.458	350.4	17.63	7.453	29.13	0
4/4/2018 23:45	4.693	296.2	19.52	7.615	29.13	0
4/5/2018 0:00	6.655	287	6.644	7.498	29.13	0
4/5/2018 0:15	5.724	306.2	4.768	7.281	29.13	0
4/5/2018 0:30	5.494	304.3	12.11	7.459	29.13	0
4/5/2018 0:45	4.995	289.9	3.719	7.217	29.13	0
4/5/2018 1:00	4.465	302.9	4.8	7.335	29.15	0
4/5/2018 1:15	2.056	286	40.43	7.432	29.15	0
4/5/2018 1:30	3.884	174.3	22.74	7.321	29.15	0
4/5/2018 1:45	5.514	121.4	13.72	7.265	29.15	0
4/5/2018 2:00	7.02	113.7	18.61	7.269	29.15	0
4/5/2018 2:15	9.19	141.9	5.809	8.17	29.15	0
4/5/2018 2:30	6.669	153.4	13.67	8.38	29.15	0
4/5/2018 2:45	5.861	167.6	7.967	8.28	29.15	0
4/5/2018 3:00	5.85	133.7	25.92	8.1	29.12	0
4/5/2018 3:15	4.299	93.3	22.39	7.521	29.12	0
4/5/2018 3:30	4.777	132.1	16.69	7.809	29.12	0
4/5/2018 3:45	6.069	141	9.42	8.22	29.12	0
4/5/2018 4:00	6.829	123.6	7.962	8.43	29.12	0
4/5/2018 4:15	7.236	134.3	8.72	8.56	29.12	0
4/5/2018 4:30	6.546	175.6	13.09	8.56	29.12	0
4/5/2018 4:45	7.652	183	8.27	8.02	29.12	0
4/5/2018 5:00	6.468	171	9.4	8.01	29.14	0
4/5/2018 5:15	5.5	179.2	11.12	7.89	29.14	0
4/5/2018 5:30	4.208	163.4	12.59	7.824	29.14	0
4/5/2018 5:45	3.134	132.1	7.063	7.939	29.14	0

4/5/2018 6:00	3.489	138.8	4.198	8.09	29.12	0
4/5/2018 6:15	3.756	140.4	4.824	8.15	29.12	0
4/5/2018 6:30	4.991	148	4.287	8.33	29.12	0
4/5/2018 6:45	5.074	140.9	7.105	8.5	29.12	0
4/5/2018 7:00	5.368	129	6.854	8.76	29.1	0
4/5/2018 7:15	5.269	157.5	15.69	8.91	29.1	0
4/5/2018 7:30	4.991	182.2	12.15	8.74	29.1	0
4/5/2018 7:45	4.923	169.9	8.89	9.03	29.1	0
4/5/2018 8:00	5.391	176.5	9.35	8.76	29.13	0
4/5/2018 8:15	3.748	159	18.76	8.91	29.13	0
4/5/2018 8:30	3.34	138.8	19.27	8.96	29.13	0
4/5/2018 8:45	7.094	110.7	8.57	8.98	29.13	0
4/5/2018 9:00	5.903	108.9	13.66	9.19	29.1	0
4/5/2018 9:15	5.233	138.4	16.78	9.76	29.1	0
4/5/2018 9:30	5.017	157.5	12.47	10.17	29.1	0
4/5/2018 9:45	3.832	167.5	12.2	10.15	29.1	0.01
4/5/2018 10:00	4.192	173.7	14.28	9.91	29.12	0
4/5/2018 10:15	4.698	182.4	12.13	9.76	29.12	0
4/5/2018 10:30	3.934	190	14.66	9.78	29.12	0.01
4/5/2018 10:45	3.822	199.4	13.45	9.68	29.12	0
4/5/2018 11:00	3.422	143.7	23.24	9.75	29.12	0.01
4/5/2018 11:15	3.658	97.4	13.04	9.95	29.12	0
4/5/2018 11:30	3.932	102	12.12	10.01	29.12	0.01
4/5/2018 11:45	4.159	127.5	10.4	10.31	29.12	0
4/5/2018 12:00	5.126	140.7	9.74	10.45	29.1	0
4/5/2018 12:15	4.999	146.9	9.29	10.59	29.1	0.01
4/5/2018 12:30	5.157	124.9	12.06	10.89	29.1	0
4/5/2018 12:45	4.294	123.5	16.66	11.03	29.1	0
4/5/2018 13:00	3.241	109.9	20.31	11.11	29.09	0
4/5/2018 13:15	3.185	111.6	11.87	11.33	29.09	0
4/5/2018 13:30	4.097	109.9	16.3	11.72	29.09	0
4/5/2018 13:45	4.999	126.7	21.15	11.79	29.09	0
4/5/2018 14:00	6.867	145.2	19.33	11.8	29.09	0
4/5/2018 14:15	7.119	145.2	14.76	11.76	29.09	0
4/5/2018 14:30	5.853	126.8	11.27	11.82	29.09	0
4/5/2018 14:45	5.816	129.3	12.59	11.97	29.09	0.01
4/5/2018 15:00	6.363	131	13.46	11.89	29.07	0
4/5/2018 15:15	5.261	130.3	19.04	11.83	29.07	0
4/5/2018 15:30	4.929	95.6	10.85	11.59	29.07	0.01
4/5/2018 15:45	5.368	100.8	8.01	11.5	29.07	0
4/5/2018 16:00	5.229	111.1	8.56	11.51	29.03	0
4/5/2018 16:15	6.18	119.4	12.28	11.44	29.03	0.01
4/5/2018 16:30	6.769	125.5	7.546	11.34	29.03	0.01
4/5/2018 16:45	6.512	116.3	10.01	11.07	29.03	0.01
4/5/2018 17:00	6.035	102.4	8.06	10.78	29.01	0.01
4/5/2018 17:15	3.719	96.4	17.81	10.8	29.01	0
4/5/2018 17:30	3.053	119	21.99	10.9	29.01	0.02
4/5/2018 17:45	7.06	146.6	10.12	10.81	29.01	0.02
4/5/2018 18:00	6.356	140.7	11.52	10.66	29.01	0.01
4/5/2018 18:15	6.926	160.5	10.66	10.61	29.01	0.02
4/5/2018 18:30	7.601	147.2	13.1	10.33	29.01	0.04
4/5/2018 18:45	6.682	122.6	12.98	10.1	29.01	0.04
4/5/2018 19:00	7.961	106.3	8.74	9.91	29.02	0.02
4/5/2018 19:15	8.99	122.5	9.55	10.05	29.02	0.01
4/5/2018 19:30	9.6	132.2	8.59	10.32	29.02	0
4/5/2018 19:45	10.71	122.5	8.76	10.26	29.02	0
4/5/2018 20:00	11.13	123.3	8.47	10.21	29.02	0
4/5/2018 20:15	10.92	124.3	8.62	10.31	29.02	0
4/5/2018 20:30	10.37	126.6	7.538	10.35	29.02	0

4/5/2018 20:45	11.02	128.6	7.978	10.43	29.02	0
4/5/2018 21:00	11.67	125.8	8.04	10.36	29.02	0
4/5/2018 21:15	10.73	128.1	10.13	10.13	29.02	0.01
4/5/2018 21:30	11.39	126.5	8.78	9.99	29.02	0.01
4/5/2018 21:45	11.06	125.4	8.41	9.74	29.02	0
4/5/2018 22:00	11.85	124.3	8.82	9.6	29.03	0
4/5/2018 22:15	11.46	124.5	8.63	9.46	29.03	0
4/5/2018 22:30	10.29	122.3	8.25	9.41	29.03	0
4/5/2018 22:45	9.94	121.4	8.7	9.41	29.03	0
4/5/2018 23:00	10.35	127.3	9.3	9.49	29.04	0.01
4/5/2018 23:15	10.27	125.2	8.78	9.43	29.04	0
4/5/2018 23:30	10.57	125.6	8.1	9.44	29.04	0
4/5/2018 23:45	9.87	122.5	9.19	9.42	29.04	0
4/6/2018 0:00	9.21	115.8	8.99	9.54	29.01	0
4/6/2018 0:15	8.62	119.1	9.94	9.82	29.01	0
4/6/2018 0:30	8.51	127.3	7.836	9.95	29.01	0
4/6/2018 0:45	7.591	133.6	9.76	9.95	29.01	0
4/6/2018 1:00	9.57	126.5	9.6	10	29.02	0
4/6/2018 1:15	9.87	126.8	9.24	10.03	29.02	0
4/6/2018 1:30	9	123.8	9.01	10.06	29.02	0
4/6/2018 1:45	6.465	131.3	8.83	10.18	29.02	0
4/6/2018 2:00	6.713	129.9	10.45	10.22	29.03	0
4/6/2018 2:15	5.48	125.2	10.5	10.23	29.03	0
4/6/2018 2:30	5.874	155.2	14.78	10.35	29.03	0
4/6/2018 2:45	5.855	163.5	17.5	10.09	29.03	0
4/6/2018 3:00	5.118	148.5	16	10.05	29.03	0
4/6/2018 3:15	4.751	155.9	11.16	10.15	29.03	0
4/6/2018 3:30	5.606	150.7	17.6	10.06	29.03	0
4/6/2018 3:45	4.757	114.6	6.927	9.97	29.03	0
4/6/2018 4:00	5.197	150.1	13.61	9.94	29	0
4/6/2018 4:15	5.519	156.9	8.73	10.14	29	0
4/6/2018 4:30	4.575	169.8	12.21	10.07	29	0
4/6/2018 4:45	3.269	135	23.06	9.83	29	0
4/6/2018 5:00	3.978	124.1	14.9	9.85	29.01	0
4/6/2018 5:15	4.073	123.5	18.49	9.95	29.01	0
4/6/2018 5:30	4.927	128.2	11.29	10.15	29.01	0
4/6/2018 5:45	3.422	116	34.59	10.2	29.01	0
4/6/2018 6:00	3.647	149.3	10.35	10.35	29.01	0
4/6/2018 6:15	4.777	174.6	11.21	10.24	29.01	0
4/6/2018 6:30	4.795	181.2	12.64	10.06	29.01	0
4/6/2018 6:45	5.33	193.3	7.467	9.74	29.01	0
4/6/2018 7:00	3.807	187.2	19.14	9.98	29.02	0
4/6/2018 7:15	3.536	160	20.22	10.08	29.02	0
4/6/2018 7:30	3.374	96.5	17.19	10.06	29.02	0
4/6/2018 7:45	4.023	73.2	10.16	10.11	29.02	0
4/6/2018 8:00	3.161	69.71	6.121	10.23	29	0
4/6/2018 8:15	3.052	175	37.36	10.77	29	0
4/6/2018 8:30	4.848	186.1	13.6	10.97	29	0
4/6/2018 8:45	1.864	161.7	24.09	11.15	29	0
4/6/2018 9:00	3.079	59.05	9.1	11.01	29	0
4/6/2018 9:15	2.143	61.68	19.03	11.77	29	0
4/6/2018 9:30	1.79	109.3	16.42	12.64	29	0
4/6/2018 9:45	2.124	29.69	26.31	12.77	29	0
4/6/2018 10:00	2.241	42.23	17.12	13.08	29	0
4/6/2018 10:15	2.075	54.72	24.82	13.53	29	0
4/6/2018 10:30	4.762	121.1	22.86	14.69	29	0
4/6/2018 10:45	5.149	116.7	27.43	15.26	29	0
4/6/2018 11:00	5.984	118.8	27.71	15.75	28.97	0
4/6/2018 11:15	4.274	121.6	19.76	15.97	28.97	0

4/6/2018 11:30	4.684	207.7	39.38	16.25	28.97	0
4/6/2018 11:45	2.36	182.5	73.5	16.51	28.97	0
4/6/2018 12:00	4.465	207.1	19.05	16.49	28.96	0
4/6/2018 12:15	1.339	248.3	43.63	16.42	28.96	0
4/6/2018 12:30	4.293	305.5	24.46	16.23	28.96	0
4/6/2018 12:45	6.046	298.4	12.65	16	28.96	0
4/6/2018 13:00	7.11	311	11.71	16.18	28.94	0
4/6/2018 13:15	8.63	317.6	10.37	16.47	28.94	0
4/6/2018 13:30	5.406	282.8	14.69	16.74	28.94	0
4/6/2018 13:45	5.077	298.6	25.37	17.11	28.94	0
4/6/2018 14:00	5.985	313.6	35.6	17.29	28.93	0
4/6/2018 14:15	7.501	343.7	28.4	16.4	28.93	0
4/6/2018 14:30	4.765	359	18.24	16.89	28.93	0
4/6/2018 14:45	3.187	351.3	21.2	17.4	28.93	0
4/6/2018 15:00	3.736	359.8	27.15	17.7	28.9	0
4/6/2018 15:15	2.609	346.5	74.33	17.73	28.9	0
4/6/2018 15:30	4.926	17.76	22.99	17.9	28.9	0
4/6/2018 15:45	4.05	356.2	22.32	18.09	28.9	0
4/6/2018 16:00	3.638	13.14	13.8	18.38	28.87	0
4/6/2018 16:15	2.749	36.8	37.9	18.55	28.87	0
4/6/2018 16:30	1.579	20.83	11.74	18.51	28.87	0
4/6/2018 16:45	4.827	280.6	32.48	18.65	28.87	0
4/6/2018 17:00	3.498	7.265	74.31	18.63	28.85	0
4/6/2018 17:15	7.744	113.9	29.69	18.04	28.85	0
4/6/2018 17:30	8.55	126.2	16.31	17.68	28.85	0
4/6/2018 17:45	8.02	119.4	14.79	17.36	28.85	0
4/6/2018 18:00	7.767	122.5	10.32	17.14	28.84	0
4/6/2018 18:15	7.153	114.2	12.74	16.72	28.84	0
4/6/2018 18:30	5.924	94.3	14.09	16.21	28.84	0
4/6/2018 18:45	5.705	97.9	14.99	15.7	28.84	0
4/6/2018 19:00	4.961	99.5	12.46	15.38	28.8	0
4/6/2018 19:15	4.957	104.1	11.84	15.2	28.8	0
4/6/2018 19:30	6.086	121.4	11.6	15.01	28.8	0
4/6/2018 19:45	5.701	104.3	14.33	14.72	28.8	0
4/6/2018 20:00	4.162	102.3	16.45	14.45	28.8	0
4/6/2018 20:15	3.886	107.5	17.18	14.39	28.8	0
4/6/2018 20:30	4.637	94.2	14.18	14.13	28.8	0
4/6/2018 20:45	7.193	102.5	14.33	14.21	28.8	0
4/6/2018 21:00	6.606	99.4	13.92	14.24	28.78	0
4/6/2018 21:15	6.576	97.4	13.67	14.28	28.78	0
4/6/2018 21:30	6.991	108.1	12.46	14.4	28.78	0
4/6/2018 21:45	6.526	115.5	14.03	14.31	28.78	0
4/6/2018 22:00	7.401	98.4	15.15	14.16	28.73	0
4/6/2018 22:15	9.93	112.5	12.68	14.75	28.73	0
4/6/2018 22:30	10.5	120.2	12.97	15.03	28.73	0
4/6/2018 22:45	13.19	116.5	13.5	15.42	28.73	0
4/6/2018 23:00	13.57	106.8	15.35	15.64	28.69	0
4/6/2018 23:15	13.34	108.6	14.98	15.75	28.69	0
4/6/2018 23:30	13.16	102.6	15.39	15.93	28.69	0
4/6/2018 23:45	15.56	104.4	12.94	16.14	28.69	0
4/7/2018 0:00	18.57	108.4	13.61	16.11	28.64	0
4/7/2018 0:15	17.03	120.7	12.49	16.09	28.64	0
4/7/2018 0:30	15	117.1	12.85	16.09	28.64	0
4/7/2018 0:45	13.77	112.2	14.1	16.09	28.64	0
4/7/2018 1:00	15	112.9	14.63	16.15	28.59	0
4/7/2018 1:15	15.84	123.6	11.57	16.03	28.59	0
4/7/2018 1:30	19.37	122.1	12.94	15.67	28.59	0
4/7/2018 1:45	18.5	118.8	12.86	14.11	28.59	0.01
4/7/2018 2:00	12	109.6	15.33	14.02	28.54	0

4/7/2018 2:15	12.49	115.3	14.83	14.09	28.54	0
4/7/2018 2:30	16.14	134.9	12.76	13.92	28.54	0.02
4/7/2018 2:45	16.61	133.9	12.43	12.54	28.54	0.05
4/7/2018 3:00	18.74	127.1	9.26	11.91	28.56	0.03
4/7/2018 3:15	19.05	131	9.95	11.51	28.56	0.03
4/7/2018 3:30	17.18	134	8.7	11.6	28.56	0.01
4/7/2018 3:45	18.13	128.8	9	11.79	28.56	0
4/7/2018 4:00	20.47	125.9	10.35	11.92	28.54	0
4/7/2018 4:15	19.97	129.7	8.22	11.87	28.54	0.01
4/7/2018 4:30	20.09	133.4	9.43	12.02	28.54	0
4/7/2018 4:45	17.85	134	10.17	11.76	28.54	0.01
4/7/2018 5:00	14.28	176.4	39.12	11.21	28.57	0.03
4/7/2018 5:15	11.56	215.6	18.73	10.48	28.57	0.11
4/7/2018 5:30	12.08	184.4	28.85	10.2	28.57	0.14
4/7/2018 5:45	16.42	203	13.28	10.98	28.57	0.07
4/7/2018 6:00	14.13	193.4	15.47	11.05	28.63	0.05
4/7/2018 6:15	11.17	163.9	16.59	10.75	28.63	0.02
4/7/2018 6:30	9.14	139.9	15.78	10.46	28.63	0
4/7/2018 6:45	7.611	122.8	11.19	10.34	28.63	0
4/7/2018 7:00	6.642	128.3	12.29	10.61	28.58	0
4/7/2018 7:15	8.96	128.7	8.77	10.81	28.58	0
4/7/2018 7:30	8.46	141.3	7.437	10.69	28.58	0
4/7/2018 7:45	9.59	147	5.899	10.75	28.58	0
4/7/2018 8:00	5.643	133.2	11.59	10.86	28.58	0
4/7/2018 8:15	8.71	163.4	45.53	10.8	28.58	0.06
4/7/2018 8:30	17.08	230.7	10.03	9.84	28.58	0.04
4/7/2018 8:45	10.92	222.3	10.33	9.44	28.58	0.03
4/7/2018 9:00	7.557	193	14.34	9.23	28.65	0.01
4/7/2018 9:15	6.531	182.1	16.44	9.4	28.65	0
4/7/2018 9:30	8.98	185.9	18.8	9.6	28.65	0.02
4/7/2018 9:45	10.11	195.3	9.77	10.32	28.65	0
4/7/2018 10:00	11.18	187.9	12.99	10.53	28.66	0
4/7/2018 10:15	10.25	174.3	10.75	10.32	28.66	0
4/7/2018 10:30	10.21	177.4	13.42	10.28	28.66	0.01
4/7/2018 10:45	9.26	176.9	9.82	10.5	28.66	0
4/7/2018 11:00	6.063	172.2	13.16	10.62	28.66	0
4/7/2018 11:15	4.141	182.9	18.57	10.66	28.66	0
4/7/2018 11:30	3.932	170.8	41.1	10.6	28.66	0
4/7/2018 11:45	4.342	137.5	11.31	10.25	28.66	0.02
4/7/2018 12:00	4.965	164.9	20.19	10.04	28.67	0.03
4/7/2018 12:15	3.22	209.7	21.85	10.32	28.67	0
4/7/2018 12:30	10.51	224.8	9.49	9.88	28.67	0.07
4/7/2018 12:45	12.42	220.7	9.84	9.63	28.67	0
4/7/2018 13:00	8.98	186.1	16.93	9.69	28.67	0
4/7/2018 13:15	6.235	162.7	15.34	9.77	28.67	0
4/7/2018 13:30	7.269	142.5	11.05	9.88	28.67	0
4/7/2018 13:45	7.88	146.8	22.64	9.87	28.67	0.01
4/7/2018 14:00	10.24	142.2	14.43	9.7	28.67	0.02
4/7/2018 14:15	9.29	126.9	11.7	9.62	28.67	0
4/7/2018 14:30	7.799	121.8	9.96	9.8	28.67	0
4/7/2018 14:45	7.637	125	11.17	10.08	28.67	0
4/7/2018 15:00	8.2	115	12.02	10.29	28.65	0
4/7/2018 15:15	8.57	135.5	15.22	10.65	28.65	0
4/7/2018 15:30	6.993	130.9	9.34	10.95	28.65	0
4/7/2018 15:45	7.881	138.9	9.12	10.89	28.65	0
4/7/2018 16:00	9.41	146.6	9.06	11.13	28.64	0
4/7/2018 16:15	11.34	168.3	11.24	11.68	28.64	0
4/7/2018 16:30	12.74	186.8	9.5	11.5	28.64	0.01
4/7/2018 16:45	18.66	195.7	9.03	10.23	28.64	0.03

4/7/2018 17:00	16.35	202.2	10.27	9.44	28.66	0.02
4/7/2018 17:15	12.51	192.4	8.56	9.12	28.66	0
4/7/2018 17:30	9	177	8.66	8.91	28.66	0
4/7/2018 17:45	8.9	172.4	7.305	8.84	28.66	0
4/7/2018 18:00	7.164	175.5	6.699	8.81	28.69	0.01
4/7/2018 18:15	4.861	171.6	10.27	8.7	28.69	0
4/7/2018 18:30	3.536	154.4	11.1	8.59	28.69	0
4/7/2018 18:45	4.023	137.5	12.11	8.57	28.69	0
4/7/2018 19:00	5.293	136	6.338	8.6	28.69	0
4/7/2018 19:15	10.12	149.2	10.52	8.98	28.69	0.01
4/7/2018 19:30	10.68	152.6	8.07	8.86	28.69	0
4/7/2018 19:45	12.88	156.4	6.175	8.95	28.69	0
4/7/2018 20:00	11.31	162.9	7.926	8.92	28.69	0
4/7/2018 20:15	10.81	175.3	5.823	9.06	28.69	0
4/7/2018 20:30	10.7	174	6.752	9.07	28.69	0
4/7/2018 20:45	9.6	175.4	5.854	9.1	28.69	0
4/7/2018 21:00	9.14	180.1	6.977	9.12	28.73	0
4/7/2018 21:15	10.22	184.2	6.717	8.99	28.73	0
4/7/2018 21:30	10.34	188.8	9.04	8.95	28.73	0
4/7/2018 21:45	12.34	195.4	7.772	9.1	28.73	0
4/7/2018 22:00	11.9	198.9	7.755	9.03	28.73	0
4/7/2018 22:15	11.96	198.9	7.578	8.93	28.73	0
4/7/2018 22:30	13.47	198.3	6.823	8.97	28.73	0
4/7/2018 22:45	14.07	201.7	7.89	8.92	28.73	0
4/7/2018 23:00	14.9	206.9	8.06	8.65	28.78	0
4/7/2018 23:15	9.88	210.5	8.93	8.21	28.78	0
4/7/2018 23:30	8.27	203.1	9.47	7.952	28.78	0
4/7/2018 23:45	7.942	199	7.649	7.952	28.78	0
4/8/2018 0:00	10.87	189.3	8.8	7.833	28.79	0.01
4/8/2018 0:15	10.38	179.4	8.18	7.563	28.79	0
4/8/2018 0:30	9.26	173.2	8.13	7.535	28.79	0
4/8/2018 0:45	7.883	165.7	11.05	7.32	28.79	0.01
4/8/2018 1:00	6.642	159.5	8.51	7.067	28.79	0.01
4/8/2018 1:15	9.91	169.3	6.416	7.307	28.79	0
4/8/2018 1:30	10.5	169	9.86	7.347	28.79	0.01
4/8/2018 1:45	7.757	146.8	6.822	6.82	28.79	0
4/8/2018 2:00	11	160.1	10.64	7.246	28.81	0
4/8/2018 2:15	9.49	164.5	8.35	7.397	28.81	0
4/8/2018 2:30	11.13	171	8.08	7.566	28.81	0
4/8/2018 2:45	12.22	173.6	8.85	7.391	28.81	0.01
4/8/2018 3:00	14.48	171.6	8.57	7.297	28.85	0.01
4/8/2018 3:15	13.27	171	9.09	6.979	28.85	0.01
4/8/2018 3:30	11	155.8	8.85	6.713	28.85	0.01
4/8/2018 3:45	11.26	154.3	7.924	6.878	28.85	0.01
4/8/2018 4:00	10.3	149.5	8.48	6.874	28.87	0
4/8/2018 4:15	9.43	147.2	6.045	6.789	28.87	0.01
4/8/2018 4:30	9.35	146.5	7.879	6.832	28.87	0.01
4/8/2018 4:45	10.81	148.7	6.498	6.789	28.87	0.01
4/8/2018 5:00	10.98	152.1	7.487	6.78	28.9	0.01
4/8/2018 5:15	10.25	148.3	8.4	6.751	28.9	0.02
4/8/2018 5:30	9.78	149.3	7.176	6.664	28.9	0.02
4/8/2018 5:45	11.06	150.6	8.23	6.583	28.9	0.03
4/8/2018 6:00	11.73	152.4	8.1	6.526	28.93	0.02
4/8/2018 6:15	11.98	153	7.171	6.566	28.93	0.01
4/8/2018 6:30	10.89	149.4	6.602	6.466	28.93	0.01
4/8/2018 6:45	9.68	145.6	8.25	6.418	28.93	0.01
4/8/2018 7:00	11	147.1	7.993	6.448	28.97	0.02
4/8/2018 7:15	11.55	149.8	8.68	6.412	28.97	0.02
4/8/2018 7:30	12.9	148.4	7.892	6.434	28.97	0.02

4/8/2018 7:45	12.58	158.3	7.862	6.572	28.97	0.03
4/8/2018 8:00	11.81	148.5	7.883	6.457	29	0.03
4/8/2018 8:15	13.19	153.9	9.35	6.557	29	0.04
4/8/2018 8:30	12.48	153	7.662	6.56	29	0.04
4/8/2018 8:45	14.51	154.6	8.67	6.696	29	0.02
4/8/2018 9:00	13.08	153.7	8.21	6.724	29.03	0.03
4/8/2018 9:15	12.82	153.2	8.41	6.782	29.03	0.02
4/8/2018 9:30	12.56	157.8	10.3	6.841	29.03	0.02
4/8/2018 9:45	14.82	160.5	10.18	6.935	29.03	0.02
4/8/2018 10:00	15.55	156.4	9.68	6.947	29.06	0.01
4/8/2018 10:15	15.84	153.1	9.22	6.944	29.06	0.02
4/8/2018 10:30	15.12	159.2	16.26	6.914	29.06	0
4/8/2018 10:45	12.34	160.5	14.47	6.843	29.06	0.03
4/8/2018 11:00	11.34	167.6	15.51	6.8	29.11	0.03
4/8/2018 11:15	13.34	169.2	13.21	6.884	29.11	0.01
4/8/2018 11:30	15.2	163.8	11.6	6.914	29.11	0
4/8/2018 11:45	10.61	172.5	13.9	6.847	29.11	0.01
4/8/2018 12:00	10.88	167.4	11.47	6.995	29.16	0.03
4/8/2018 12:15	9.22	170.9	15.84	7.011	29.16	0.04
4/8/2018 12:30	11.94	172.5	11.65	7.218	29.16	0.03
4/8/2018 12:45	12	169.7	9.5	7.4	29.16	0.04
4/8/2018 13:00	10.95	176.3	10.37	7.484	29.22	0.05
4/8/2018 13:15	13.55	176.7	10.1	7.732	29.22	0.01
4/8/2018 13:30	14.5	173.5	9.09	7.977	29.22	0.01
4/8/2018 13:45	14.36	177.6	10.01	8.05	29.22	0
4/8/2018 14:00	15.65	183.2	11.24	8.11	29.25	0
4/8/2018 14:15	15.25	181.9	9.73	8.42	29.25	0
4/8/2018 14:30	13.25	181.2	9.12	8.5	29.25	0
4/8/2018 14:45	14.33	183.4	8.78	8.59	29.25	0
4/8/2018 15:00	14.09	183.2	9.41	8.67	29.28	0
4/8/2018 15:15	13.04	190.8	8.83	8.55	29.28	0.02
4/8/2018 15:30	13.12	182.6	9.61	8.69	29.28	0
4/8/2018 15:45	14.08	182.6	9.66	8.83	29.28	0
4/8/2018 16:00	15.97	184.5	9.37	8.89	29.31	0
4/8/2018 16:15	15.13	191.6	9.12	8.87	29.31	0
4/8/2018 16:30	13.24	194.1	11.7	8.89	29.31	0
4/8/2018 16:45	15.13	197.7	10.4	8.8	29.31	0
4/8/2018 17:00	12.42	197	7.531	8.64	29.33	0
4/8/2018 17:15	11.7	193.6	10.71	8.54	29.33	0
4/8/2018 17:30	12.86	198.1	9.78	8.59	29.33	0.01
4/8/2018 17:45	12	195.5	14.07	8.7	29.33	0
4/8/2018 18:00	10.36	190.1	9.18	8.51	29.35	0
4/8/2018 18:15	11.83	190.6	12.22	8.48	29.35	0
4/8/2018 18:30	12.75	183.4	11.31	8.49	29.35	0
4/8/2018 18:45	11.53	180.3	8.68	8.36	29.35	0
4/8/2018 19:00	9.55	173.9	10.11	8.31	29.37	0
4/8/2018 19:15	12.17	166.7	12.24	8.24	29.37	0
4/8/2018 19:30	11.99	181.1	9.51	8.2	29.37	0
4/8/2018 19:45	10.33	180.5	8.6	8.12	29.37	0
4/8/2018 20:00	10.16	173.8	7.24	8.11	29.41	0
4/8/2018 20:15	9.77	169.7	9.88	8.06	29.41	0
4/8/2018 20:30	7.928	147.4	12.46	7.872	29.41	0
4/8/2018 20:45	8.82	147.8	7.701	7.825	29.41	0
4/8/2018 21:00	8.26	142	8.86	7.803	29.42	0
4/8/2018 21:15	10.13	150.9	10.39	7.799	29.42	0
4/8/2018 21:30	12.01	159.4	10.61	7.783	29.42	0
4/8/2018 21:45	11.74	174.3	10.15	7.788	29.42	0
4/8/2018 22:00	8.32	171.1	13.13	7.655	29.45	0
4/8/2018 22:15	8.88	155.9	13.92	7.585	29.45	0

4/8/2018 22:30	7.85	172.1	7.799	7.6	29.45	0
4/8/2018 22:45	6.022	155.9	10.51	7.398	29.45	0
4/8/2018 23:00	5.556	164.5	15.12	7.43	29.46	0
4/8/2018 23:15	4.388	128.7	8.4	7.226	29.46	0
4/8/2018 23:30	5.243	123.9	6.663	7.172	29.46	0
4/8/2018 23:45	5.243	128.8	6.891	7.172	29.46	0
4/9/2018 0:00	4.696	126.9	7.315	7.127	29.46	0
4/9/2018 0:15	4.153	126	6.229	7.018	29.46	0
4/9/2018 0:30	5.203	134	10.81	7.144	29.46	0
4/9/2018 0:45	4.304	155.2	12.61	7.187	29.46	0
4/9/2018 1:00	4.635	166.6	13.83	7.26	29.49	0
4/9/2018 1:15	4.76	177.1	14.07	7.248	29.49	0
4/9/2018 1:30	5.253	179.3	6.039	7.119	29.49	0
4/9/2018 1:45	4.577	171.7	12.71	7.115	29.49	0
4/9/2018 2:00	4.492	164.9	19.15	7.079	29.5	0
4/9/2018 2:15	3.285	130	11.11	6.794	29.5	0
4/9/2018 2:30	1.789	162	21.14	6.768	29.5	0
4/9/2018 2:45	3.192	148.2	15.12	6.708	29.5	0
4/9/2018 3:00	2.444	149.4	10.05	6.638	29.48	0
4/9/2018 3:15	2.12	135.2	17.19	6.614	29.48	0
4/9/2018 3:30	1.475	105.2	5.011	6.68	29.48	0
4/9/2018 3:45	1.799	106.5	9.52	6.635	29.48	0
4/9/2018 4:00	4.26	126.6	6.476	6.677	29.48	0
4/9/2018 4:15	3.94	121.1	7.506	6.734	29.48	0
4/9/2018 4:30	2.967	109.9	6.813	6.716	29.48	0
4/9/2018 4:45	2.671	105.7	7.542	6.769	29.48	0
4/9/2018 5:00	3.284	94.5	5.917	6.529	29.46	0
4/9/2018 5:15	3.26	75.29	8.11	6.316	29.46	0
4/9/2018 5:30	2.643	46.75	12.12	6.003	29.46	0
4/9/2018 5:45	3.243	35.04	7.661	6.048	29.46	0
4/9/2018 6:00	4.093	40.08	4.17	6.361	29.44	0
4/9/2018 6:15	3.555	32.19	7.098	6.386	29.44	0
4/9/2018 6:30	3.011	35.81	4.419	6.196	29.44	0
4/9/2018 6:45	2.902	32.85	6.531	6.101	29.44	0
4/9/2018 7:00	1.997	30.32	1.77	6.446	29.45	0
4/9/2018 7:15	2.387	40.21	6.471	7.152	29.45	0
4/9/2018 7:30	3.291	46.47	3.987	7.293	29.45	0
4/9/2018 7:45	3.21	62.5	7.264	7.919	29.45	0
4/9/2018 8:00	2.826	60.69	8	8.29	29.43	0
4/9/2018 8:15	3.086	67.32	8.51	8.33	29.43	0
4/9/2018 8:30	2.27	43.75	14.39	8.41	29.43	0
4/9/2018 8:45	2.972	13.74	13.22	8.7	29.43	0
4/9/2018 9:00	2.746	359.7	23.26	9.34	29.42	0
4/9/2018 9:15	2.927	46.47	12.47	9.87	29.42	0
4/9/2018 9:30	3.343	325.1	28.07	10.26	29.42	0
4/9/2018 9:45	4.138	26.5	49.85	10.28	29.42	0
4/9/2018 10:00	3.5	17.63	37.15	10.46	29.4	0
4/9/2018 10:15	1.487	6.033	73.86	10.94	29.4	0
4/9/2018 10:30	1.754	270.9	28.05	11.21	29.4	0
4/9/2018 10:45	5.341	40.85	19.79	11.42	29.4	0
4/9/2018 11:00	2.553	87.7	48.51	11.67	29.39	0
4/9/2018 11:15	2.22	288.9	31.9	12.05	29.39	0
4/9/2018 11:30	1.29	195	52.4	12.55	29.39	0
4/9/2018 11:45	2.203	228	36.63	13	29.39	0
4/9/2018 12:00	3	283.6	31.57	13.6	29.34	0
4/9/2018 12:15	3.021	272	25.44	13.66	29.34	0
4/9/2018 12:30	2.743	268.4	29.36	14.06	29.34	0
4/9/2018 12:45	2.978	261.4	42.23	14.82	29.34	0
4/9/2018 13:00	4.021	328.6	58.47	14.92	29.32	0

4/9/2018 13:15	3.728	358.2	31.3	14.77	29.32	0
4/9/2018 13:30	2.608	314.9	49.07	15.29	29.32	0
4/9/2018 13:45	3.149	300.4	36.34	15.62	29.32	0
4/9/2018 14:00	4.832	315.5	26.09	15.71	29.3	0
4/9/2018 14:15	3.648	339.6	42.52	15.96	29.3	0
4/9/2018 14:30	3.166	346.6	26.19	16.05	29.3	0
4/9/2018 14:45	4.818	359.7	30.79	16.38	29.3	0
4/9/2018 15:00	6.825	23.01	8.97	16.17	29.24	0
4/9/2018 15:15	7.489	22.36	7.622	16.24	29.24	0
4/9/2018 15:30	7.031	12.75	18.62	16.71	29.24	0
4/9/2018 15:45	7.929	15.21	12.66	16.6	29.24	0
4/9/2018 16:00	7.276	13.84	13.48	16.86	29.21	0
4/9/2018 16:15	7.474	12.19	13.64	16.97	29.21	0
4/9/2018 16:30	7.146	15.38	8.1	17.07	29.21	0
4/9/2018 16:45	7.12	356.3	18.23	17.22	29.21	0
4/9/2018 17:00	6.39	353.8	19.58	17.4	29.17	0
4/9/2018 17:15	5.42	328.2	37.85	17.24	29.17	0
4/9/2018 17:30	4.656	268.8	8.48	16.71	29.17	0
4/9/2018 17:45	4.798	275.2	6.325	16.04	29.17	0
4/9/2018 18:00	3.662	271	11.84	15.44	29.14	0
4/9/2018 18:15	2.196	261.5	15.57	14.93	29.14	0
4/9/2018 18:30	2.9	15.07	61.19	14.7	29.14	0
4/9/2018 18:45	6.287	36.83	9.18	14.42	29.14	0
4/9/2018 19:00	5.631	41.37	5.888	14.19	29.11	0
4/9/2018 19:15	4.081	67.28	32.44	14.29	29.11	0
4/9/2018 19:30	3.731	100.8	37.43	15.06	29.11	0
4/9/2018 19:45	2.276	67.02	24.45	14.56	29.11	0
4/9/2018 20:00	3.478	112.2	17.6	14.67	29.12	0
4/9/2018 20:15	5.065	123.1	8.46	14.79	29.12	0
4/9/2018 20:30	5.347	103.7	16.95	14.7	29.12	0
4/9/2018 20:45	4.815	106.3	14.31	14.61	29.12	0
4/9/2018 21:00	4.775	102.1	17.75	14.57	29.07	0
4/9/2018 21:15	5.588	101.5	15.31	14.56	29.07	0
4/9/2018 21:30	7.109	104.5	14.24	14.7	29.07	0
4/9/2018 21:45	7.149	105.5	15.47	14.69	29.07	0
4/9/2018 22:00	5.986	106.6	15.26	14.87	29.04	0
4/9/2018 22:15	7.738	118	13.03	15.17	29.04	0
4/9/2018 22:30	7.454	118	16.66	15.68	29.04	0
4/9/2018 22:45	6.295	106.9	17.49	15.29	29.04	0
4/9/2018 23:00	7.408	128.1	15.25	15.42	29.03	0
4/9/2018 23:15	7.143	118.1	19.43	15.36	29.03	0
4/9/2018 23:30	8.75	114.3	18.97	15.08	29.03	0
4/9/2018 23:45	8.29	110.5	17.37	15.07	29.03	0
4/10/2018 0:00	8.63	105.9	14.17	15.23	28.98	0
4/10/2018 0:15	11.97	119	12.42	15.74	28.98	0
4/10/2018 0:30	14.96	121.9	10.97	16.02	28.98	0
4/10/2018 0:45	15.24	121.8	10.41	15.92	28.98	0
4/10/2018 1:00	15.55	121.6	11.08	16.12	28.94	0
4/10/2018 1:15	17.87	123.4	11.93	16.35	28.94	0
4/10/2018 1:30	17.29	128.6	10.23	16.45	28.94	0
4/10/2018 1:45	15.7	130	10.97	16.52	28.94	0
4/10/2018 2:00	18.07	128	10.64	16.6	28.92	0
4/10/2018 2:15	16.68	130.3	10.08	16.42	28.92	0
4/10/2018 2:30	18.43	131.5	11.3	16.41	28.92	0
4/10/2018 2:45	18	141.5	9.97	15.96	28.92	0
4/10/2018 3:00	18.35	137.9	10.46	15.91	28.93	0
4/10/2018 3:15	18.94	146.2	10.56	15.79	28.93	0
4/10/2018 3:30	17.55	142.3	11.8	15.63	28.93	0
4/10/2018 3:45	16.88	131.5	17.69	15.64	28.93	0

4/10/2018 4:00	15.03	132.4	18.73	15.54	28.95	0
4/10/2018 4:15	18.91	124.2	12.26	15.65	28.95	0
4/10/2018 4:30	17.72	120.7	11.12	15.99	28.95	0
4/10/2018 4:45	17.39	120.3	13.84	15.74	28.95	0
4/10/2018 5:00	18.22	114.2	12.52	16.09	28.92	0
4/10/2018 5:15	19.2	136	28.77	16.5	28.92	0
4/10/2018 5:30	16.56	221.6	9.39	13.74	28.92	0
4/10/2018 5:45	5.836	242.8	17.15	12.54	28.92	0
4/10/2018 6:00	2.569	347.8	72.5	12	28.99	0.01
4/10/2018 6:15	3.096	55.8	54.16	11.02	28.99	0.02
4/10/2018 6:30	5.112	113.3	14.99	10.43	28.99	0.01
4/10/2018 6:45	6.265	108.2	7.489	10.44	28.99	0.01
4/10/2018 7:00	3.655	172.2	63.88	10.31	28.98	0.01
4/10/2018 7:15	6.852	181.9	43.33	9.82	28.98	0.02
4/10/2018 7:30	8.23	106.9	17.39	9.63	28.98	0
4/10/2018 7:45	12.19	112.3	14.8	10.18	28.98	0.01
4/10/2018 8:00	15.13	139.1	9.47	10.55	29	0.01
4/10/2018 8:15	12.53	208.7	16.89	9.92	29	0.02
4/10/2018 8:30	5.35	152.2	24.87	9.67	29	0.01
4/10/2018 8:45	5.885	132.8	7.581	9.57	29	0.01
4/10/2018 9:00	9.12	160.4	11.55	10.17	29.04	0.01
4/10/2018 9:15	10.03	162.5	12.8	10.38	29.04	0.01
4/10/2018 9:30	10.56	154.5	9.92	10.54	29.04	0.01
4/10/2018 9:45	10.82	167.6	10.24	10.9	29.04	0
4/10/2018 10:00	8.67	166.7	10.17	11.04	29.07	0
4/10/2018 10:15	9.35	176.3	7.122	11.17	29.07	0
4/10/2018 10:30	11.67	191.1	13.13	11.49	29.07	0
4/10/2018 10:45	17.2	215.4	8.37	11.06	29.07	0.04
4/10/2018 11:00	16.15	219.2	7.829	10.97	29.09	0
4/10/2018 11:15	13.83	215	8.57	11.14	29.09	0
4/10/2018 11:30	10.6	205.4	12.17	11.63	29.09	0
4/10/2018 11:45	13.32	225.7	27.93	11.65	29.09	0.01
4/10/2018 12:00	15.74	245	9.38	10.09	29.1	0
4/10/2018 12:15	10.92	247.9	11.91	10.52	29.1	0
4/10/2018 12:30	10.47	226.5	13.07	11.18	29.1	0
4/10/2018 12:45	11.92	232.2	13.1	11.69	29.1	0
4/10/2018 13:00	10.07	222.6	12.76	11.72	29.11	0
4/10/2018 13:15	12.7	245.7	16.38	11.68	29.11	0
4/10/2018 13:30	13.66	245.1	11.43	11.7	29.11	0
4/10/2018 13:45	13.09	247.6	15.04	12.35	29.11	0
4/10/2018 14:00	13.04	242.4	11.06	12.71	29.11	0
4/10/2018 14:15	13.16	244.6	16.02	13.11	29.11	0
4/10/2018 14:30	13.5	238.7	13.92	12.91	29.11	0
4/10/2018 14:45	11.62	241.1	13.63	13.39	29.11	0
4/10/2018 15:00	11.03	244.1	18.34	13.47	29.11	0
4/10/2018 15:15	10.65	251.1	14.73	13.67	29.11	0
4/10/2018 15:30	10.84	246.6	16.69	13.72	29.11	0
4/10/2018 15:45	9.44	234.7	21.59	13.91	29.11	0
4/10/2018 16:00	8.1	226.2	20.58	13.91	29.08	0
4/10/2018 16:15	8.74	254.2	20.28	14.06	29.08	0
4/10/2018 16:30	8.09	237.3	19.93	13.81	29.08	0
4/10/2018 16:45	9.6	238.1	13.97	13.37	29.08	0
4/10/2018 17:00	9.93	250.9	9.13	13.03	29.07	0
4/10/2018 17:15	10.27	243.2	10.09	13.13	29.07	0
4/10/2018 17:30	10.67	243.3	10.47	13.22	29.07	0
4/10/2018 17:45	10.87	240.7	9.83	12.99	29.07	0
4/10/2018 18:00	8.31	250.6	12.22	12.93	29.09	0
4/10/2018 18:15	7.736	271.6	12.04	12.74	29.09	0
4/10/2018 18:30	8.57	267.6	11.21	12.18	29.09	0

4/10/2018 18:45	11.1	266	10.8	11.56	29.09	0
4/10/2018 19:00	9.29	266.4	9	11.15	29.11	0
4/10/2018 19:15	6.449	264.8	10.16	10.77	29.11	0
4/10/2018 19:30	5.324	242.6	10.01	10.54	29.11	0
4/10/2018 19:45	4.066	229.4	6.157	10.26	29.11	0
4/10/2018 20:00	2.272	210.6	21.27	10.14	29.12	0
4/10/2018 20:15	2.755	195.6	27.1	10.01	29.12	0
4/10/2018 20:30	3.925	231.9	13.5	9.8	29.12	0
4/10/2018 20:45	3.888	259.3	6.635	9.5	29.12	0
4/10/2018 21:00	3.87	253	6.823	9.37	29.12	0
4/10/2018 21:15	4.683	225.2	13.87	9.46	29.12	0
4/10/2018 21:30	5.849	210.5	7.955	9.18	29.12	0
4/10/2018 21:45	6.882	227.7	15.28	9	29.12	0
4/10/2018 22:00	5.637	250	7.518	8.85	29.13	0
4/10/2018 22:15	2.801	157.6	27.96	8.56	29.13	0
4/10/2018 22:30	3.08	141.8	20.85	8.44	29.13	0
4/10/2018 22:45	4.154	122.1	8.58	8.5	29.13	0
4/10/2018 23:00	3.685	107.8	10.04	8.48	29.1	0
4/10/2018 23:15	2.88	110.1	12.39	8.42	29.1	0
4/10/2018 23:30	5.433	104.5	10.81	8.24	29.1	0
4/10/2018 23:45	5.11	101.9	8.07	8.35	29.1	0
4/11/2018 0:00	3.936	125.6	13.99	8.54	29.11	0
4/11/2018 0:15	3.865	178.3	24.7	8.3	29.11	0
4/11/2018 0:30	5.055	148.9	28.12	8.11	29.11	0
4/11/2018 0:45	5.552	140.7	13.44	8.23	29.11	0
4/11/2018 1:00	5.236	129.3	11.29	8.46	29.07	0
4/11/2018 1:15	4.31	119.9	17.53	8.3	29.07	0
4/11/2018 1:30	4.494	137.5	18.3	8.37	29.07	0
4/11/2018 1:45	5.99	157.5	33.49	8.24	29.07	0
4/11/2018 2:00	6.367	153.1	27.91	8.17	29.07	0.01
4/11/2018 2:15	5.885	109.2	13.24	7.6	29.07	0
4/11/2018 2:30	6.155	110.9	11.57	7.565	29.07	0
4/11/2018 2:45	6.981	105.6	10.73	7.337	29.07	0
4/11/2018 3:00	7.606	127.8	9.41	7.589	29.07	0
4/11/2018 3:15	6.629	121.3	11.2	7.731	29.07	0.01
4/11/2018 3:30	4.748	154.5	14.55	7.597	29.07	0
4/11/2018 3:45	5.331	157.6	9.06	7.418	29.07	0
4/11/2018 4:00	6.371	156.5	18.52	7.23	29.06	0
4/11/2018 4:15	7.527	133.2	10.1	7.435	29.06	0
4/11/2018 4:30	7.037	126.5	7.987	7.613	29.06	0
4/11/2018 4:45	6.315	125.9	8.64	7.69	29.06	0
4/11/2018 5:00	7.046	125.5	8.54	7.711	29.03	0
4/11/2018 5:15	7.939	135	24.43	7.699	29.03	0
4/11/2018 5:30	6.941	113.5	9.91	7.698	29.03	0
4/11/2018 5:45	6.509	117.6	9.29	7.935	29.03	0
4/11/2018 6:00	6.199	134.1	9.94	8.01	29	0
4/11/2018 6:15	6.461	129.5	12.94	8.18	29	0
4/11/2018 6:30	5.847	128.8	10.05	8.2	29	0
4/11/2018 6:45	6.403	139.7	13.46	8.29	29	0
4/11/2018 7:00	7.021	154	13.01	8.43	29	0
4/11/2018 7:15	8.71	134	13.06	8.71	29	0
4/11/2018 7:30	7.694	128.1	11.09	9.57	29	0
4/11/2018 7:45	6.062	146.8	10.75	10.15	29	0
4/11/2018 8:00	4.473	169.1	20.37	10.31	28.95	0
4/11/2018 8:15	6.631	162	26.39	10.62	28.95	0
4/11/2018 8:30	8.32	154.9	12.87	11.14	28.95	0
4/11/2018 8:45	8.66	152.4	11.31	11.24	28.95	0
4/11/2018 9:00	6.417	139.8	17.99	11.15	28.96	0
4/11/2018 9:15	6.146	140.2	13.65	11.33	28.96	0

4/11/2018 9:30	6.136	134.2	14.46	11.2	28.96	0
4/11/2018 9:45	5.845	140.5	13.06	11.25	28.96	0
4/11/2018 10:00	5.99	169.8	19.84	11.46	28.96	0
4/11/2018 10:15	7.26	181.5	15.06	11.6	28.96	0
4/11/2018 10:30	12.74	195.2	15.31	11.35	28.96	0
4/11/2018 10:45	19.55	213.8	17.88	10.44	28.96	0
4/11/2018 11:00	15.41	175.7	18.19	10.22	28.95	0
4/11/2018 11:15	9.01	169.2	27.16	10.01	28.95	0
4/11/2018 11:30	7.319	212.6	25.22	9.97	28.95	0.01
4/11/2018 11:45	5.804	179.7	33.49	9.39	28.95	0.01
4/11/2018 12:00	5.835	117.6	31	9.12	28.9	0
4/11/2018 12:15	3.709	112.5	58.91	9.17	28.9	0.01
4/11/2018 12:30	4.22	57.6	16.72	8.73	28.9	0
4/11/2018 12:45	5.036	83.5	20.23	9.19	28.9	0
4/11/2018 13:00	4.96	90.1	10.87	9.54	28.87	0
4/11/2018 13:15	6.745	107	10.51	9.71	28.87	0
4/11/2018 13:30	8.79	115.8	13.17	10.07	28.87	0
4/11/2018 13:45	10.94	123.2	16.02	10.01	28.87	0
4/11/2018 14:00	8.67	134.6	12.7	9.95	28.86	0
4/11/2018 14:15	10.34	141.5	22.37	10.21	28.86	0
4/11/2018 14:30	10.78	140	17.15	10.25	28.86	0.01
4/11/2018 14:45	9.64	124	11.67	10.25	28.86	0
4/11/2018 15:00	10.18	113.8	13.39	10.09	28.81	0
4/11/2018 15:15	9.44	109.2	12.03	9.87	28.81	0
4/11/2018 15:30	11.1	110	10.77	9.72	28.81	0
4/11/2018 15:45	12.85	130.2	15.58	9.68	28.81	0
4/11/2018 16:00	11.71	122.4	9.93	9.63	28.81	0
4/11/2018 16:15	11.26	123.3	11.75	9.47	28.81	0
4/11/2018 16:30	11.35	115	11.81	9.26	28.81	0.01
4/11/2018 16:45	9.69	107.4	10.92	9.03	28.81	0
4/11/2018 17:00	7.458	97	12.69	9.14	28.77	0
4/11/2018 17:15	3.876	77.78	16.2	9.49	28.77	0
4/11/2018 17:30	4.327	226.1	50.92	9.51	28.77	0
4/11/2018 17:45	9.86	236.2	10.12	8.76	28.77	0.01
4/11/2018 18:00	10.69	252.8	8.54	7.727	28.8	0
4/11/2018 18:15	9.89	257.7	8.55	7.415	28.8	0.02
4/11/2018 18:30	11.85	254	10.07	7.015	28.8	0.02
4/11/2018 18:45	9.26	264.5	10.14	6.527	28.8	0.02
4/11/2018 19:00	6.17	260.4	12.03	6.271	28.8	0.02
4/11/2018 19:15	4.689	235.1	18.15	6.246	28.8	0.01
4/11/2018 19:30	5.135	220.9	10.32	6.098	28.8	0.03
4/11/2018 19:45	4.75	179.8	14.19	5.88	28.8	0.03
4/11/2018 20:00	5.23	167.5	10.65	5.754	28.83	0.02
4/11/2018 20:15	7.388	176	9.16	5.712	28.83	0.03
4/11/2018 20:30	11.31	201.2	10.61	5.764	28.83	0.01
4/11/2018 20:45	11.31	201.7	9.25	5.588	28.83	0
4/11/2018 21:00	8.96	201.7	7.921	5.358	28.84	0.01
4/11/2018 21:15	7.89	202	8.52	5.155	28.84	0.01
4/11/2018 21:30	9.78	184.8	9	4.951	28.84	0.01
4/11/2018 21:45	9.82	181.1	8.25	4.737	28.84	0
4/11/2018 22:00	8.49	170.2	9.6	4.629	28.87	0
4/11/2018 22:15	9.19	153.8	8.48	4.441	28.87	0.01
4/11/2018 22:30	10	151.6	7.785	4.316	28.87	0
4/11/2018 22:45	9.71	147.4	7.924	4.159	28.87	0.01
4/11/2018 23:00	9.42	143.3	9.96	4.038	28.89	0.01
4/11/2018 23:15	5.919	150.5	17.26	4.013	28.89	0
4/11/2018 23:30	7.313	158.9	14.24	3.991	28.89	0
4/11/2018 23:45	6.914	147.8	9.75	3.854	28.89	0
4/12/2018 0:00	5.322	134.1	8.2	3.836	28.91	0

4/12/2018 0:15	4.904	126	12.17	3.756	28.91	0
4/12/2018 0:30	5.107	144.2	10.99	3.782	28.91	0
4/12/2018 0:45	5.686	166.8	10.59	3.967	28.91	0
4/12/2018 1:00	7.641	165.3	8.35	4.08	28.91	0
4/12/2018 1:15	9.18	160.7	10.15	3.963	28.91	0
4/12/2018 1:30	7.587	195.9	10.11	4.188	28.91	0
4/12/2018 1:45	6.888	213.4	11.49	4.275	28.91	0
4/12/2018 2:00	8.54	203.3	9.1	4.293	28.94	0
4/12/2018 2:15	7.786	198.1	9.4	4.262	28.94	0.01
4/12/2018 2:30	8.16	187.2	10.01	4.226	28.94	0
4/12/2018 2:45	6.689	186.7	9	4.184	28.94	0
4/12/2018 3:00	7.941	189.5	12.58	4.19	28.97	0
4/12/2018 3:15	7.344	188.9	14.13	4.203	28.97	0
4/12/2018 3:30	6.574	186	14.9	4.177	28.97	0
4/12/2018 3:45	6.255	184.6	11.99	4.174	28.97	0
4/12/2018 4:00	6.404	182.7	9.93	4.192	28.97	0
4/12/2018 4:15	6.802	182.6	12.31	4.255	28.97	0
4/12/2018 4:30	7.914	187.7	10.65	4.303	28.97	0
4/12/2018 4:45	7.133	188.4	10.56	4.272	28.97	0
4/12/2018 5:00	8.21	181.3	7.843	4.187	28.98	0
4/12/2018 5:15	8.15	177.2	11.1	4.207	28.98	0
4/12/2018 5:30	8.87	184.1	7.96	4.25	28.98	0
4/12/2018 5:45	10.16	176.9	7.494	4.252	28.98	0
4/12/2018 6:00	9.22	181.6	8.95	4.252	29.02	0
4/12/2018 6:15	9.69	182.7	7.393	4.294	29.02	0
4/12/2018 6:30	8.92	181.6	8.95	4.318	29.02	0
4/12/2018 6:45	7.049	172.7	10.1	4.394	29.02	0
4/12/2018 7:00	4.721	154	15.78	4.509	29.04	0
4/12/2018 7:15	4.748	134.8	10.71	4.47	29.04	0
4/12/2018 7:30	6.21	143.4	10.17	5.029	29.04	0
4/12/2018 7:45	7.005	151.8	12.34	5.428	29.04	0
4/12/2018 8:00	8.89	170.1	14.1	5.827	29.04	0
4/12/2018 8:15	8.54	160.6	13.21	6.077	29.04	0
4/12/2018 8:30	8.07	174.8	14.83	6.265	29.04	0
4/12/2018 8:45	9.25	173.6	9.11	6.535	29.04	0
4/12/2018 9:00	8.84	182.5	13.72	6.796	29.05	0
4/12/2018 9:15	9.55	192.9	11.79	7.053	29.05	0
4/12/2018 9:30	11.3	203.8	13.65	7.318	29.05	0
4/12/2018 9:45	9.84	200.8	14.26	6.79	29.05	0
4/12/2018 10:00	11.02	204.9	13.91	6.295	29.08	0
4/12/2018 10:15	11.31	199.9	9.54	5.445	29.08	0.01
4/12/2018 10:30	11.47	186.8	7.932	4.919	29.08	0.01
4/12/2018 10:45	8.69	188.7	7.414	4.718	29.08	0.01
4/12/2018 11:00	8.04	182.3	13.39	4.52	29.12	0.01
4/12/2018 11:15	6.454	192	11.91	4.5	29.12	0.01
4/12/2018 11:30	4.372	144	26.08	4.9	29.12	0
4/12/2018 11:45	5.826	129.1	14.46	5.331	29.12	0
4/12/2018 12:00	5.214	130.1	17.88	5.512	29.12	0
4/12/2018 12:15	6.299	147.4	14.38	5.597	29.12	0.01
4/12/2018 12:30	5.181	139.7	13.26	5.814	29.12	0.01
4/12/2018 12:45	3.583	168.3	31.26	5.796	29.12	0.02
4/12/2018 13:00	3.406	137.8	11.74	6.019	29.15	0.01
4/12/2018 13:15	4.479	160.8	29.15	5.992	29.15	0.02
4/12/2018 13:30	4.507	190.9	23.13	6.599	29.15	0
4/12/2018 13:45	4.104	193.8	22.79	6.922	29.15	0
4/12/2018 14:00	5.841	206	19.96	7.087	29.16	0
4/12/2018 14:15	10.32	220.8	22.6	7.412	29.16	0
4/12/2018 14:30	10.1	207.7	14.62	7.901	29.16	0
4/12/2018 14:45	8.95	205.9	18.8	7.925	29.16	0

4/12/2018 15:00	8.14	224.2	10.27	7.927	29.17	0
4/12/2018 15:15	10.18	228.5	14.76	8.12	29.17	0
4/12/2018 15:30	12.48	218.9	9.91	8.3	29.17	0
4/12/2018 15:45	9.3	224.4	11.08	8.54	29.17	0
4/12/2018 16:00	10.53	214	9.09	8.48	29.21	0
4/12/2018 16:15	10.08	217.3	10.13	8.85	29.21	0
4/12/2018 16:30	9.45	212	13.14	8.57	29.21	0
4/12/2018 16:45	9.71	215.2	9.76	8.74	29.21	0
4/12/2018 17:00	8.36	200.6	11.24	8.83	29.24	0
4/12/2018 17:15	9.99	198.2	8.27	8.51	29.24	0
4/12/2018 17:30	9.88	204.6	8.61	8.56	29.24	0
4/12/2018 17:45	15.28	221.8	11.62	8.53	29.24	0
4/12/2018 18:00	12.47	224.8	11.38	8.44	29.24	0
4/12/2018 18:15	15.07	223	9.68	8.26	29.24	0
4/12/2018 18:30	12.2	221.8	8.55	8.2	29.24	0
4/12/2018 18:45	10.98	210.6	11.21	8.06	29.24	0
4/12/2018 19:00	12.93	217.5	14.65	7.939	29.29	0
4/12/2018 19:15	17.11	227.1	8.77	7.759	29.29	0
4/12/2018 19:30	13.7	224.2	7.975	7.572	29.29	0
4/12/2018 19:45	10.31	214.9	10.33	7.318	29.29	0
4/12/2018 20:00	11.65	195.3	11.93	7.18	29.32	0
4/12/2018 20:15	10.67	187.1	8.74	6.953	29.32	0
4/12/2018 20:30	9.39	179	8.98	6.86	29.32	0
4/12/2018 20:45	9.65	181.8	10.77	6.815	29.32	0
4/12/2018 21:00	10.77	184.8	10.23	6.76	29.33	0
4/12/2018 21:15	9.52	186.1	9.6	6.575	29.33	0
4/12/2018 21:30	9.31	171.4	9.6	6.389	29.33	0
4/12/2018 21:45	8.08	162.1	16.81	6.233	29.33	0
4/12/2018 22:00	7.201	151	6.432	5.969	29.34	0
4/12/2018 22:15	9.18	150	6.987	5.913	29.34	0
4/12/2018 22:30	10.03	169.6	10.65	6.015	29.34	0
4/12/2018 22:45	9.42	169.4	10.77	6.159	29.34	0
4/12/2018 23:00	8.72	159.5	7.124	5.888	29.35	0
4/12/2018 23:15	8.77	148.9	7.426	5.767	29.35	0
4/12/2018 23:30	7.823	143.2	7.638	5.82	29.35	0
4/12/2018 23:45	10	151.1	6.53	5.987	29.35	0
4/13/2018 0:00	8.76	145.9	8.24	6.033	29.36	0
4/13/2018 0:15	7.385	132.2	7.169	6.029	29.36	0
4/13/2018 0:30	8.11	134.7	8.58	6.051	29.36	0
4/13/2018 0:45	9.34	142.9	7.27	6.174	29.36	0
4/13/2018 1:00	11.51	153.7	9.02	6.201	29.35	0.01
4/13/2018 1:15	11.88	171.8	9.47	5.844	29.35	0.01
4/13/2018 1:30	10.36	160.1	7.68	5.333	29.35	0.01
4/13/2018 1:45	7.946	142.9	10.31	4.895	29.35	0.02
4/13/2018 2:00	5.955	119.1	7.803	4.649	29.35	0
4/13/2018 2:15	7.56	110.2	10.83	4.512	29.35	0.01
4/13/2018 2:30	6.535	99.6	12.39	4.357	29.35	0.01
4/13/2018 2:45	6.343	106	12.24	4.392	29.35	0
4/13/2018 3:00	6.627	103.3	12.34	4.498	29.35	0.01
4/13/2018 3:15	6.021	90.8	13.46	4.513	29.35	0
4/13/2018 3:30	6.547	136.3	14.96	4.861	29.35	0.01
4/13/2018 3:45	10.34	126.2	9.3	5.322	29.35	0
4/13/2018 4:00	9.53	128.9	9.45	5.48	29.35	0
4/13/2018 4:15	9.87	124.5	7.987	5.463	29.35	0
4/13/2018 4:30	9.87	124.4	7.598	5.555	29.35	0
4/13/2018 4:45	10.05	123.3	8.56	5.762	29.35	0
4/13/2018 5:00	10.18	125.9	7.666	5.975	29.33	0
4/13/2018 5:15	10.44	125.3	7.593	6.092	29.33	0
4/13/2018 5:30	8.85	122.3	8.17	6.296	29.33	0

4/13/2018 5:45	8.99	129.4	11.07	6.67	29.33	0
4/13/2018 6:00	7.907	141.8	12.91	6.717	29.32	0
4/13/2018 6:15	9.5	129	8.05	7.026	29.32	0
4/13/2018 6:30	8.68	135.4	9.07	7.102	29.32	0.01
4/13/2018 6:45	9.03	138.3	9.48	7.333	29.32	0
4/13/2018 7:00	8.92	126.6	7.38	7.294	29.33	0
4/13/2018 7:15	9.54	128.3	8.28	7.528	29.33	0
4/13/2018 7:30	9.41	140.5	8.49	7.787	29.33	0
4/13/2018 7:45	10.96	148.5	7.064	7.906	29.33	0
4/13/2018 8:00	12.16	150.3	6.472	7.636	29.35	0
4/13/2018 8:15	10.51	147.1	6.64	7.279	29.35	0.02
4/13/2018 8:30	9.75	140.6	7.582	7.21	29.35	0.01
4/13/2018 8:45	10.03	141.1	7.544	7.341	29.35	0
4/13/2018 9:00	10.66	143.3	7.052	7.495	29.37	0
4/13/2018 9:15	10.66	140	9.05	7.665	29.37	0.01
4/13/2018 9:30	9.75	137	8.04	7.92	29.37	0
4/13/2018 9:45	11.18	137.7	8.49	8.07	29.37	0
4/13/2018 10:00	11.78	134.5	9.35	8.32	29.36	0
4/13/2018 10:15	12.07	138.5	9.01	8.69	29.36	0
4/13/2018 10:30	11.66	141.8	8.6	8.91	29.36	0
4/13/2018 10:45	10.06	138.5	10.74	9.09	29.36	0
4/13/2018 11:00	10.99	142.6	9.11	9.09	29.38	0
4/13/2018 11:15	12.67	163.8	12.09	9.32	29.38	0
4/13/2018 11:30	16.65	183.8	10.56	9.82	29.38	0.01
4/13/2018 11:45	20.99	181.4	9.13	9.98	29.38	0
4/13/2018 12:00	20.39	187.1	9.27	9.57	29.38	0
4/13/2018 12:15	20.14	184.6	8.53	9.46	29.38	0
4/13/2018 12:30	18.39	183.5	7.707	9.33	29.38	0
4/13/2018 12:45	17.19	182.9	8.58	9.11	29.38	0
4/13/2018 13:00	16.2	183.6	7.871	8.99	29.43	0.01
4/13/2018 13:15	13.95	177.1	9.14	8.97	29.43	0.01
4/13/2018 13:30	13.84	173.4	9.83	8.99	29.43	0.01
4/13/2018 13:45	13.86	174.9	9.19	8.89	29.43	0.01
4/13/2018 14:00	14.75	173.6	8.53	8.85	29.42	0.01
4/13/2018 14:15	12.36	173.5	9.49	8.91	29.42	0.03
4/13/2018 14:30	12.4	161.5	12.52	8.95	29.42	0
4/13/2018 14:45	11.45	154.5	9.53	9.05	29.42	0
4/13/2018 15:00	12.6	152.8	8.27	9.16	29.42	0
4/13/2018 15:15	12.53	153.1	6.985	9.22	29.42	0
4/13/2018 15:30	12.34	152.4	6.33	9.23	29.42	0
4/13/2018 15:45	10.71	141.3	8.05	9.18	29.42	0.01
4/13/2018 16:00	11.14	152.6	11.41	9.29	29.42	0
4/13/2018 16:15	12.51	156.7	7.661	9.33	29.42	0.01
4/13/2018 16:30	13.13	156.8	8.6	9.45	29.42	0
4/13/2018 16:45	14.04	160.8	8.75	9.6	29.42	0
4/13/2018 17:00	14.12	155.8	9.46	9.58	29.39	0
4/13/2018 17:15	12.9	154.8	9.09	9.54	29.39	0
4/13/2018 17:30	11.62	151.2	6.991	9.49	29.39	0
4/13/2018 17:45	11.42	159	8.55	9.53	29.39	0
4/13/2018 18:00	9.59	164.2	8.75	9.55	29.4	0
4/13/2018 18:15	14.23	182.1	19.96	9.58	29.4	0
4/13/2018 18:30	21.23	210.6	11.91	9.52	29.4	0.03
4/13/2018 18:45	20.44	221	9.19	9.2	29.4	0.04
4/13/2018 19:00	19.82	226.5	12.53	9.1	29.42	0.01
4/13/2018 19:15	17.55	218.9	9.7	8.87	29.42	0.01
4/13/2018 19:30	14.73	209.5	10.87	8.66	29.42	0
4/13/2018 19:45	13.27	194.8	9.05	8.51	29.42	0.01
4/13/2018 20:00	13.36	189.9	9.99	8.4	29.44	0
4/13/2018 20:15	13.2	181	9.9	8.32	29.44	0.01

4/13/2018 20:30	12.61	176	8.98	8.21	29.44	0.01
4/13/2018 20:45	12.78	169.8	10.24	8.11	29.44	0.01
4/13/2018 21:00	12.76	159.3	7.677	7.914	29.44	0.01
4/13/2018 21:15	11.49	155.7	8.91	7.73	29.44	0.01
4/13/2018 21:30	12.77	160.9	8.89	7.752	29.44	0.01
4/13/2018 21:45	12.09	168.2	9.16	7.775	29.44	0.01
4/13/2018 22:00	13.57	170.2	8.65	7.813	29.45	0.01
4/13/2018 22:15	12.41	167.9	10.19	7.848	29.45	0
4/13/2018 22:30	10.41	152.8	8.94	7.677	29.45	0.02
4/13/2018 22:45	11.51	155.3	8.9	7.695	29.45	0.02
4/13/2018 23:00	12.2	159.7	9.44	7.721	29.45	0.02
4/13/2018 23:15	10.82	153.1	8.25	7.562	29.45	0.02
4/13/2018 23:30	8.71	145.9	8.5	7.494	29.45	0.02
4/13/2018 23:45	7.912	138.5	8.79	7.447	29.45	0.02
4/14/2018 0:00	8.42	134.8	8.82	7.436	29.44	0.02
4/14/2018 0:15	8.26	135.5	9.92	7.498	29.44	0.03
4/14/2018 0:30	9.4	133.4	9.48	7.563	29.44	0.01
4/14/2018 0:45	8.75	135.2	9.74	7.59	29.44	0.03
4/14/2018 1:00	8.25	136.3	10.04	7.515	29.44	0.02
4/14/2018 1:15	8.35	137.3	9.34	7.47	29.44	0.02
4/14/2018 1:30	8.97	129.6	8.06	7.509	29.44	0.01
4/14/2018 1:45	9.98	126.7	7.332	7.527	29.44	0.02
4/14/2018 2:00	10.44	125.2	9.5	7.584	29.43	0
4/14/2018 2:15	10.17	131.8	9.27	7.69	29.43	0.01
4/14/2018 2:30	8.9	132.3	9.45	7.647	29.43	0
4/14/2018 2:45	9.15	138.6	8.76	7.699	29.43	0.01
4/14/2018 3:00	10.15	139.2	9.3	7.702	29.42	0.01
4/14/2018 3:15	8.86	139.4	8.16	7.587	29.42	0
4/14/2018 3:30	8.39	135.7	7.761	7.503	29.42	0.02
4/14/2018 3:45	9.11	139.3	8.15	7.536	29.42	0.01
4/14/2018 4:00	8.74	139.5	8.12	7.522	29.39	0.01
4/14/2018 4:15	8.25	137.6	9.73	7.557	29.39	0
4/14/2018 4:30	8.08	132.2	7.559	7.535	29.39	0.01
4/14/2018 4:45	8.91	127.8	7.762	7.608	29.39	0
4/14/2018 5:00	8.57	129.4	7.877	7.754	29.4	0.01
4/14/2018 5:15	8.38	126.9	7.712	7.858	29.4	0
4/14/2018 5:30	8.46	138.9	13.45	7.852	29.4	0.01
4/14/2018 5:45	6.815	241.2	43.69	7.457	29.4	0.01
4/14/2018 6:00	4.38	219.7	14.06	7.468	29.42	0.01
4/14/2018 6:15	1.6	271.6	15.18	7.334	29.42	0.02
4/14/2018 6:30	1.819	17.31	33.4	7.135	29.42	0.02
4/14/2018 6:45	1.891	38.38	38.38	7.024	29.42	0.02
4/14/2018 7:00	3.418	81.9	11.48	7.065	29.41	0.01
4/14/2018 7:15	2.483	93.9	26.4	7.153	29.41	0.01
4/14/2018 7:30	3.747	112.4	21.1	7.462	29.41	0.02
4/14/2018 7:45	4.403	122.7	10.08	7.568	29.41	0.01
4/14/2018 8:00	6.065	128.7	15.87	7.781	29.38	0.01
4/14/2018 8:15	5.529	129.2	9.12	7.96	29.38	0
4/14/2018 8:30	5.643	121.2	8.1	7.96	29.38	0.01
4/14/2018 8:45	6.072	122.2	7.864	7.961	29.38	0.01
4/14/2018 9:00	6.785	130.1	7.382	8.21	29.39	0.01
4/14/2018 9:15	6.846	128.7	7.362	8.43	29.39	0
4/14/2018 9:30	7.039	131.9	10.08	8.82	29.39	0
4/14/2018 9:45	5.41	134.1	10.59	8.95	29.39	0
4/14/2018 10:00	4.706	118.4	8.66	8.97	29.37	0
4/14/2018 10:15	5.205	125	9.25	9.36	29.37	0
4/14/2018 10:30	5.211	115.9	9.96	9.53	29.37	0
4/14/2018 10:45	4.442	113.8	7.465	9.51	29.37	0
4/14/2018 11:00	4.767	117.7	7.535	9.56	29.37	0.01

4/14/2018 11:15	4.672	121.7	12.26	9.72	29.37	0.01
4/14/2018 11:30	6.001	136.6	10.41	9.81	29.37	0.01
4/14/2018 11:45	6.38	137.4	9.96	9.79	29.37	0.01
4/14/2018 12:00	6.651	140.6	8.69	9.65	29.35	0.03
4/14/2018 12:15	6.695	139.9	10.07	9.65	29.35	0.02
4/14/2018 12:30	6.585	133.8	10.51	9.65	29.35	0.03
4/14/2018 12:45	5.194	139.2	10.47	9.7	29.35	0.02
4/14/2018 13:00	5.024	137.6	8.91	9.76	29.31	0.02
4/14/2018 13:15	4.61	116.3	10.86	9.59	29.31	0.01
4/14/2018 13:30	5.392	123.8	8.3	9.6	29.31	0.01
4/14/2018 13:45	5.054	126.2	6.943	9.59	29.31	0.02
4/14/2018 14:00	5.086	123.8	9.86	9.66	29.29	0.01
4/14/2018 14:15	5.163	131.4	8	9.72	29.29	0.02
4/14/2018 14:30	5.802	141	13.72	9.62	29.29	0.02
4/14/2018 14:45	4.628	144.8	18.94	9.46	29.29	0.02
4/14/2018 15:00	3.459	132.2	15.53	9.51	29.28	0.03
4/14/2018 15:15	3.962	144.6	22.93	9.49	29.28	0.02
4/14/2018 15:30	4.238	139	11.32	9.45	29.28	0.02
4/14/2018 15:45	6.791	156.8	51.91	9.48	29.28	0.01
4/14/2018 16:00	8.01	174.1	12.8	9.73	29.24	0.03
4/14/2018 16:15	3.686	118.2	18.89	9.43	29.24	0.02
4/14/2018 16:30	3.246	130.8	30.54	9.44	29.24	0.03
4/14/2018 16:45	1.593	127.4	40.89	9.49	29.24	0.02
4/14/2018 17:00	0.893	73.4	34.35	9.35	29.2	0.02
4/14/2018 17:15	3.277	196.3	15.8	9.26	29.2	0.04
4/14/2018 17:30	7.106	184.4	19.05	9.39	29.2	0.03
4/14/2018 17:45	9.57	183.8	11.32	9.45	29.2	0.02
4/14/2018 18:00	7.298	172.5	8.43	9.24	29.21	0.02
4/14/2018 18:15	6.478	169	8.6	9.07	29.21	0.03
4/14/2018 18:30	8.21	167.4	8.32	9.02	29.21	0.03
4/14/2018 18:45	9.82	160.6	11.5	8.88	29.21	0.02
4/14/2018 19:00	9.83	152.9	6.865	8.78	29.16	0.01
4/14/2018 19:15	10.56	152.6	9.61	8.81	29.16	0.01
4/14/2018 19:30	12.73	168.2	11.33	8.95	29.16	0.02
4/14/2018 19:45	10.03	219.6	18.8	8.56	29.16	0.07
4/14/2018 20:00	6.997	253.5	23.58	8.03	29.18	0.03
4/14/2018 20:15	4.131	266.1	10.31	7.753	29.18	0.01
4/14/2018 20:30	2.68	282.2	12.55	7.579	29.18	0.02
4/14/2018 20:45	0.506	289.9	0.155	7.426	29.18	0.01
4/14/2018 21:00	0.024	301	5.45	7.402	29.16	0.02
4/14/2018 21:15	1.465	77.43	28.75	7.194	29.16	0.01
4/14/2018 21:30	1.687	107.6	31.46	7.233	29.16	0.02
4/14/2018 21:45	0.95	71.83	1.58	7.174	29.16	0.01
4/14/2018 22:00	3.325	69.61	6.424	7.108	29.15	0.01
4/14/2018 22:15	2.827	69.46	7.157	6.926	29.15	0.01
4/14/2018 22:30	1.45	53.98	6.448	6.825	29.15	0.01
4/14/2018 22:45	0.927	312.8	41.84	6.889	29.15	0.01
4/14/2018 23:00	2.229	218.2	77.88	7.004	29.14	0.01
4/14/2018 23:15	1.012	106.5	9.38	6.911	29.14	0.02
4/14/2018 23:30	2.079	25.94	53.29	6.753	29.14	0.01
4/14/2018 23:45	3.676	272.5	19.18	6.894	29.14	0.02
4/15/2018 0:00	2.662	197.6	26.31	6.917	29.13	0.02
4/15/2018 0:15	2.993	205.5	10.39	6.914	29.13	0.02
4/15/2018 0:30	4.502	266.2	13.38	6.812	29.13	0.02
4/15/2018 0:45	5.702	290.5	14.65	6.696	29.13	0.01
4/15/2018 1:00	2.262	299.1	5.427	6.627	29.11	0
4/15/2018 1:15	2.044	81.4	18.22	6.523	29.11	0.01
4/15/2018 1:30	6.076	101	7.314	6.464	29.11	0.01
4/15/2018 1:45	4.759	115.8	14.99	6.173	29.11	0

4/15/2018 2:00	2.383	147.6	14.55	6.194	29.1	0.01
4/15/2018 2:15	4.149	169.8	18.55	6.398	29.1	0.01
4/15/2018 2:30	5.877	158.6	4.541	6.351	29.1	0
4/15/2018 2:45	3.864	176.4	18.03	6.379	29.1	0
4/15/2018 3:00	3.297	162.1	20.67	6.407	29.09	0
4/15/2018 3:15	4.167	150.2	14.23	6.412	29.09	0.01
4/15/2018 3:30	3.389	224.9	19.33	6.456	29.09	0
4/15/2018 3:45	3.851	183.9	53.81	6.367	29.09	0
4/15/2018 4:00	3.771	238.2	8.88	6.3	29.1	0
4/15/2018 4:15	3.943	257.5	5.294	6.141	29.1	0
4/15/2018 4:30	5.361	284.1	9.47	5.96	29.1	0.01
4/15/2018 4:45	6.501	273.9	9.76	5.75	29.1	0
4/15/2018 5:00	6.004	267.4	7.8	5.732	29.09	0
4/15/2018 5:15	5.612	272.5	7.445	5.753	29.09	0
4/15/2018 5:30	4.607	288.6	8.38	5.738	29.09	0
4/15/2018 5:45	3.443	308.4	7.855	5.767	29.09	0.01
4/15/2018 6:00	5.051	316.2	5.93	5.765	29.09	0
4/15/2018 6:15	6.251	310.1	7.825	5.693	29.09	0
4/15/2018 6:30	6.503	298.6	7.384	5.681	29.09	0
4/15/2018 6:45	6.122	306.6	6.398	5.771	29.09	0
4/15/2018 7:00	4.381	305.2	9.39	5.822	29.09	0
4/15/2018 7:15	2.665	5.354	29.78	5.941	29.09	0
4/15/2018 7:30	4.468	11.67	13.2	5.719	29.09	0
4/15/2018 7:45	4.719	22	6.602	5.845	29.09	0
4/15/2018 8:00	5.335	33.31	8.47	6.068	29.07	0
4/15/2018 8:15	5.505	29.74	10.67	6.236	29.07	0
4/15/2018 8:30	6.27	24.33	7.37	6.484	29.07	0
4/15/2018 8:45	6.748	29.12	11.73	6.795	29.07	0
4/15/2018 9:00	8.97	28.67	10.84	6.888	29.03	0
4/15/2018 9:15	8.14	17.64	11.54	6.834	29.03	0
4/15/2018 9:30	6.984	17.73	13.59	7.195	29.03	0
4/15/2018 9:45	6.382	349.7	16.02	7.728	29.03	0
4/15/2018 10:00	6.594	354.1	17.48	7.891	29.02	0
4/15/2018 10:15	7.807	25.46	11.36	7.581	29.02	0
4/15/2018 10:30	7.702	15.46	10.31	7.622	29.02	0
4/15/2018 10:45	7.911	11.56	10.24	7.547	29.02	0
4/15/2018 11:00	6.469	16.86	12.69	7.849	28.98	0
4/15/2018 11:15	6.776	12.17	17.06	8.34	28.98	0
4/15/2018 11:30	7.526	28.28	8.26	8.51	28.98	0
4/15/2018 11:45	9.08	26.76	10.18	8.46	28.98	0
4/15/2018 12:00	7.687	19.55	13.74	8.53	28.95	0
4/15/2018 12:15	6.77	27.91	9.83	8.36	28.95	0
4/15/2018 12:30	5.857	19.31	12.46	8.42	28.95	0
4/15/2018 12:45	5.157	6.284	18.61	8.73	28.95	0
4/15/2018 13:00	5.708	343.8	18.95	8.97	28.94	0
4/15/2018 13:15	5.298	354.9	22.33	8.89	28.94	0
4/15/2018 13:30	5.25	22.04	23.3	8.44	28.94	0
4/15/2018 13:45	13.26	354.7	15.3	8.66	28.94	0
4/15/2018 14:00	11.03	355.6	20.39	8.96	28.88	0
4/15/2018 14:15	5.842	336.5	26.27	9.03	28.88	0
4/15/2018 14:30	7.055	342	23.17	9.04	28.88	0
4/15/2018 14:45	8.04	331	16.04	9.03	28.88	0
4/15/2018 15:00	8.8	338.2	16.84	9	28.83	0
4/15/2018 15:15	8.95	339.1	20.53	8.86	28.83	0
4/15/2018 15:30	8.77	316.6	12.18	8.81	28.83	0
4/15/2018 15:45	6.884	333.7	17.87	8.91	28.83	0
4/15/2018 16:00	9.54	348.5	21.07	8.85	28.8	0
4/15/2018 16:15	7.633	325.9	23.63	8.73	28.8	0
4/15/2018 16:30	7.591	326	27.95	8.62	28.8	0

4/15/2018 16:45	8.49	348.4	16.5	8.55	28.8	0
4/15/2018 17:00	8.59	351.4	17.25	8.49	28.8	0
4/15/2018 17:15	8.28	353	18.78	8.49	28.8	0
4/15/2018 17:30	13.22	4.981	13.72	8.38	28.8	0
4/15/2018 17:45	14.09	7.397	13.09	8.31	28.8	0
4/15/2018 18:00	12.86	5.697	15.29	8.15	28.74	0
4/15/2018 18:15	13.54	10.63	15.09	7.928	28.74	0
4/15/2018 18:30	11.42	1.805	16.4	7.836	28.74	0
4/15/2018 18:45	14.56	2.637	18.54	7.738	28.74	0
4/15/2018 19:00	10.17	4.804	21.73	7.647	28.75	0
4/15/2018 19:15	10.83	4.674	15.38	7.59	28.75	0
4/15/2018 19:30	11.22	5.603	16.55	7.477	28.75	0
4/15/2018 19:45	10.18	2.74	16.52	7.411	28.75	0
4/15/2018 20:00	9.92	10.03	12.25	7.373	28.73	0
4/15/2018 20:15	9.82	12.08	15.94	7.324	28.73	0
4/15/2018 20:30	10.55	4.377	15.09	7.214	28.73	0
4/15/2018 20:45	7.94	3.83	15.99	7.177	28.73	0
4/15/2018 21:00	5.416	11.36	13.81	7.105	28.73	0
4/15/2018 21:15	8.9	11.64	11.17	6.989	28.73	0.01
4/15/2018 21:30	7.058	6.884	16.17	6.718	28.73	0.01
4/15/2018 21:45	6.104	16.39	9.02	6.376	28.73	0.01
4/15/2018 22:00	3.212	16.43	17.8	6.267	28.72	0
4/15/2018 22:15	1.757	21.31	36.12	6.253	28.72	0
4/15/2018 22:30	7.73	26.19	7.939	6.031	28.72	0
4/15/2018 22:45	7.262	15.62	9.64	5.987	28.72	0.01
4/15/2018 23:00	5.495	19.3	13.34	6.128	28.72	0
4/15/2018 23:15	3.182	37.41	13.45	6.16	28.72	0
4/15/2018 23:30	1.118	186.4	36.98	6.239	28.72	0.01
4/15/2018 23:45	2.563	193.6	17.09	6.217	28.72	0
4/16/2018 0:00	8.66	177.1	22.41	6.277	28.74	0
4/16/2018 0:15	11.86	229.7	10.2	5.995	28.74	0
4/16/2018 0:30	5.862	266.7	23.76	5.827	28.74	0
4/16/2018 0:45	5.984	321.5	6.936	5.777	28.74	0
4/16/2018 1:00	4.097	331.4	10.65	5.699	28.73	0.01
4/16/2018 1:15	1.876	329.4	9.65	5.682	28.73	0
4/16/2018 1:30	2.046	271.2	26.44	5.685	28.73	0
4/16/2018 1:45	1.786	201.9	68.09	5.78	28.73	0
4/16/2018 2:00	3.156	151.3	5.556	5.754	28.75	0
4/16/2018 2:15	3.252	161	5.874	5.714	28.75	0
4/16/2018 2:30	2.311	156	24.29	5.714	28.75	0
4/16/2018 2:45	0.777	42.5	25.18	5.677	28.75	0
4/16/2018 3:00	0.709	29.17	0.115	5.648	28.75	0
4/16/2018 3:15	0.256	29.15	0.031	5.65	28.75	0
4/16/2018 3:30	3.997	143.2	44.61	5.856	28.75	0
4/16/2018 3:45	10.23	199.6	11.63	6.08	28.75	0
4/16/2018 4:00	12.11	210.9	11.98	5.773	28.78	0
4/16/2018 4:15	9.49	210.6	11.77	5.405	28.78	0
4/16/2018 4:30	12.38	198.2	10.72	5.048	28.78	0
4/16/2018 4:45	11.91	193	9.55	4.779	28.78	0
4/16/2018 5:00	15.31	185.6	9.16	4.504	28.79	0
4/16/2018 5:15	13.55	181.6	7.594	4.189	28.79	0.01
4/16/2018 5:30	14.11	176.8	7.553	4.028	28.79	0
4/16/2018 5:45	12.73	174.3	9.99	3.783	28.79	0
4/16/2018 6:00	12.35	175.4	9.77	3.767	28.77	0.01
4/16/2018 6:15	14.66	187.3	11	3.818	28.77	0.01
4/16/2018 6:30	11.28	182.1	10.85	3.854	28.77	0.01
4/16/2018 6:45	12.36	173.6	11.15	3.944	28.77	0.02
4/16/2018 7:00	12.19	174.7	10.89	3.999	28.8	0.01
4/16/2018 7:15	13.37	178.8	9.86	4.007	28.8	0.02

4/16/2018 7:30	13.26	177.8	9.66	4.069	28.8	0.02
4/16/2018 7:45	14.82	183.3	10.3	4.097	28.8	0.04
4/16/2018 8:00	13.83	176.7	10.83	4.066	28.82	0.04
4/16/2018 8:15	14.04	174.8	10.85	4.103	28.82	0.03
4/16/2018 8:30	14.88	180.6	9.92	4.151	28.82	0.02
4/16/2018 8:45	15.07	180	10.15	4.232	28.82	0.02
4/16/2018 9:00	16.85	182.8	9.29	4.271	28.83	0.01
4/16/2018 9:15	16.77	182.7	9.13	4.291	28.83	0
4/16/2018 9:30	17.45	177.8	9.06	4.322	28.83	0.01
4/16/2018 9:45	16.54	177.8	8.99	4.296	28.83	0.02
4/16/2018 10:00	15.24	178.4	9.23	4.492	28.86	0.01
4/16/2018 10:15	15.6	184.1	8.82	4.811	28.86	0
4/16/2018 10:30	16.36	180.3	8.06	5.295	28.86	0
4/16/2018 10:45	15.33	181.4	9.43	5.779	28.86	0
4/16/2018 11:00	16.09	182.6	8.31	6.139	28.89	0
4/16/2018 11:15	13.94	184.3	9.37	6.252	28.89	0
4/16/2018 11:30	13.7	185.4	9.35	6.216	28.89	0.01
4/16/2018 11:45	12.58	197.8	13.28	6.082	28.89	0.04
4/16/2018 12:00	15.18	222	11.87	5.651	28.91	0.07
4/16/2018 12:15	12.6	195.7	15.42	5.281	28.91	0.02
4/16/2018 12:30	11.89	188.8	10.19	5.701	28.91	0.01
4/16/2018 12:45	13.07	184.8	9.52	6.196	28.91	0
4/16/2018 13:00	12.86	187.4	10.05	6.338	28.91	0
4/16/2018 13:15	13.54	196.7	8.61	6.47	28.91	0.02
4/16/2018 13:30	17.03	200.6	8.95	6.389	28.91	0.02
4/16/2018 13:45	13.63	190.5	8.78	6.4	28.91	0.01
4/16/2018 14:00	13.93	191.2	8.37	6.518	28.93	0.01
4/16/2018 14:15	15.69	199.5	10.11	6.514	28.93	0.02
4/16/2018 14:30	11.39	205	12.79	6.443	28.93	0.01
4/16/2018 14:45	16.58	194.2	9.24	6.315	28.93	0.02
4/16/2018 15:00	15.19	191.2	10.28	6.22	28.95	0.02
4/16/2018 15:15	14.44	188.5	9.29	6.18	28.95	0.02
4/16/2018 15:30	14.43	185.5	10.02	6.257	28.95	0
4/16/2018 15:45	17.09	186	8.87	6.461	28.95	0
4/16/2018 16:00	16.54	188.8	8.27	6.509	28.96	0.01
4/16/2018 16:15	16.3	186.8	8.31	6.532	28.96	0
4/16/2018 16:30	14.75	184	10.01	6.385	28.96	0.01
4/16/2018 16:45	17.9	190.1	10.54	6.357	28.96	0
4/16/2018 17:00	15.05	182.5	10.2	6.311	28.98	0
4/16/2018 17:15	14.67	177.8	10.74	6.338	28.98	0
4/16/2018 17:30	15.56	180.9	8.17	6.414	28.98	0
4/16/2018 17:45	15.49	185.1	7.999	6.468	28.98	0.01
4/16/2018 18:00	15.55	190	8.8	6.345	28.98	0.03
4/16/2018 18:15	16.08	187.7	9.17	6.197	28.98	0
4/16/2018 18:30	16.41	193.1	8.4	6.094	28.98	0.01
4/16/2018 18:45	14.91	182.3	9.29	6.011	28.98	0
4/16/2018 19:00	17.47	186.6	9.43	5.908	28.99	0.02
4/16/2018 19:15	16.46	185.1	10.22	5.688	28.99	0.02
4/16/2018 19:30	13.79	184.1	10.52	5.556	28.99	0.02
4/16/2018 19:45	15.68	178.9	9.93	5.521	28.99	0
4/16/2018 20:00	13.69	182.6	11.13	5.597	29.02	0.01
4/16/2018 20:15	14.26	174.7	8.15	5.589	29.02	0
4/16/2018 20:30	14.28	177.4	8.75	5.707	29.02	0
4/16/2018 20:45	14.45	178.2	8.45	5.74	29.02	0
4/16/2018 21:00	15.5	180.1	9.06	5.778	29.04	0
4/16/2018 21:15	16.15	178.3	9.09	5.819	29.04	0
4/16/2018 21:30	16.3	184.3	8.29	5.826	29.04	0
4/16/2018 21:45	16.09	184.4	9.17	5.875	29.04	0
4/16/2018 22:00	17.14	184.9	9.09	5.854	29.05	0

4/16/2018 22:15	15.31	184.5	10.29	5.732	29.05	0.02
4/16/2018 22:30	14.64	193.6	9.45	5.726	29.05	0
4/16/2018 22:45	15.72	195.8	10.67	5.733	29.05	0.01
4/16/2018 23:00	16.54	198.3	9.3	5.78	29.07	0
4/16/2018 23:15	15.25	201.9	9.79	5.812	29.07	0.01
4/16/2018 23:30	14.08	206	9.86	5.848	29.07	0.01
4/16/2018 23:45	13.72	204.7	9.69	5.857	29.07	0.01
4/17/2018 0:00	13.64	203.8	9.45	5.839	29.09	0.02
4/17/2018 0:15	15.3	208.3	10.8	5.856	29.09	0.01
4/17/2018 0:30	15.84	211.4	9.64	5.834	29.09	0
4/17/2018 0:45	14.24	210.1	9.41	5.825	29.09	0.01
4/17/2018 1:00	14.55	206.8	8.78	5.83	29.12	0
4/17/2018 1:15	14.02	204.4	10.7	5.804	29.12	0
4/17/2018 1:30	12.45	199	9.82	5.735	29.12	0
4/17/2018 1:45	12.77	199.4	10.89	5.683	29.12	0.01
4/17/2018 2:00	12.95	199.3	10.71	5.61	29.14	0
4/17/2018 2:15	13.63	200.2	9.25	5.587	29.14	0
4/17/2018 2:30	12.92	193.9	8.8	5.52	29.14	0
4/17/2018 2:45	11.72	189	11.82	5.467	29.14	0
4/17/2018 3:00	13.57	186.8	10.04	5.442	29.17	0
4/17/2018 3:15	13.32	186.7	11.81	5.409	29.17	0
4/17/2018 3:30	13.05	185.4	10.53	5.344	29.17	0
4/17/2018 3:45	12.74	180.5	11.08	5.294	29.17	0
4/17/2018 4:00	12.44	179	11.71	5.288	29.19	0
4/17/2018 4:15	11.75	185.7	12.94	5.205	29.19	0
4/17/2018 4:30	11.53	180.2	12	5.181	29.19	0
4/17/2018 4:45	11.84	171.6	12.11	5.084	29.19	0
4/17/2018 5:00	12.15	173.8	8.6	5.039	29.22	0
4/17/2018 5:15	11.96	176.2	10.06	4.951	29.22	0
4/17/2018 5:30	13.19	169.8	12.89	4.91	29.22	0
4/17/2018 5:45	12.85	176.7	9.94	4.937	29.22	0
4/17/2018 6:00	13.66	177.6	10.17	4.903	29.25	0
4/17/2018 6:15	12.91	165.2	10.22	4.866	29.25	0
4/17/2018 6:30	13.84	164.5	10.48	4.869	29.25	0
4/17/2018 6:45	12	177.8	11.54	4.951	29.25	0
4/17/2018 7:00	13.01	183.4	9.21	5.063	29.29	0
4/17/2018 7:15	12.44	187.5	8.11	5.144	29.29	0
4/17/2018 7:30	12.14	191.2	8.14	5.23	29.29	0
4/17/2018 7:45	11.35	190.4	10.47	5.405	29.29	0
4/17/2018 8:00	10.37	194.4	11.56	5.642	29.31	0
4/17/2018 8:15	14.19	198.5	10.21	5.795	29.31	0
4/17/2018 8:30	15.15	201.2	12.23	5.999	29.31	0
4/17/2018 8:45	15.24	195.6	11.51	6.133	29.31	0
4/17/2018 9:00	16.14	194.9	9.23	6.294	29.34	0
4/17/2018 9:15	14.4	190.9	11.26	6.558	29.34	0
4/17/2018 9:30	15.32	189.7	10.45	6.599	29.34	0
4/17/2018 9:45	14.18	196.3	9.62	6.791	29.34	0
4/17/2018 10:00	16.46	204.1	8.3	6.958	29.34	0
4/17/2018 10:15	16.43	208.5	10.89	7.177	29.34	0
4/17/2018 10:30	17.86	197.6	10.58	7.563	29.34	0
4/17/2018 10:45	14.17	200.9	12.01	8.09	29.34	0
4/17/2018 11:00	16.36	218	11.28	8.1	29.37	0
4/17/2018 11:15	16.49	206.6	11.53	8.61	29.37	0
4/17/2018 11:30	15.26	196.2	8.6	8.68	29.37	0
4/17/2018 11:45	15.03	193.1	12.38	9.09	29.37	0
4/17/2018 12:00	18.99	211.6	11.35	6.917	29.38	0.04
4/17/2018 12:15	9.02	199.1	16.9	6.377	29.38	0.01
4/17/2018 12:30	9.91	189.4	14.51	7.827	29.38	0
4/17/2018 12:45	12.14	218.7	12.38	8.38	29.38	0

4/17/2018 13:00	10.67	213	15.15	8.69	29.4	0
4/17/2018 13:15	14.5	203.6	9.56	9.29	29.4	0
4/17/2018 13:30	17.62	217.2	11.23	9.03	29.4	0
4/17/2018 13:45	14.06	186	17.8	8.89	29.4	0
4/17/2018 14:00	12.82	187.1	15.83	8.64	29.4	0
4/17/2018 14:15	10.46	200	19.29	9.02	29.4	0
4/17/2018 14:30	11.39	211.7	12.22	9.46	29.4	0
4/17/2018 14:45	13.34	212	16.41	9.85	29.4	0
4/17/2018 15:00	14	214.5	20.72	10.01	29.4	0
4/17/2018 15:15	13.92	223.5	14.18	10.03	29.4	0
4/17/2018 15:30	15.66	228.3	8.53	9.74	29.4	0
4/17/2018 15:45	16	220.4	10.94	9.43	29.4	0
4/17/2018 16:00	14.21	216.1	8.38	9.23	29.4	0
4/17/2018 16:15	10.72	220.4	13.3	9.39	29.4	0
4/17/2018 16:30	14.31	221.3	12.07	9.35	29.4	0
4/17/2018 16:45	13.23	223.9	8.77	9.1	29.4	0
4/17/2018 17:00	13.1	219.6	11.45	9.04	29.4	0
4/17/2018 17:15	9.18	182.1	18.79	8.67	29.4	0
4/17/2018 17:30	9.47	164.2	11.5	8.1	29.4	0
4/17/2018 17:45	8.09	158.2	13.1	8	29.4	0
4/17/2018 18:00	9.99	163.8	16.78	7.838	29.4	0
4/17/2018 18:15	12.21	173	7.611	7.692	29.4	0
4/17/2018 18:30	9.82	163.1	8.19	7.41	29.4	0
4/17/2018 18:45	7.263	174.1	15.26	7.3	29.4	0
4/17/2018 19:00	7.146	177	8.2	7.296	29.4	0
4/17/2018 19:15	4.758	164.8	17.04	7.087	29.4	0
4/17/2018 19:30	5.5	147.4	9.09	6.694	29.4	0
4/17/2018 19:45	6.738	171.2	7.564	6.646	29.4	0
4/17/2018 20:00	6.056	152.4	12.97	6.406	29.44	0
4/17/2018 20:15	4.667	140.1	10.56	6.269	29.44	0
4/17/2018 20:30	6.128	139.9	8.66	6.162	29.44	0
4/17/2018 20:45	6.476	141.3	7.661	6.004	29.44	0
4/17/2018 21:00	7.245	148.6	6.872	5.872	29.44	0
4/17/2018 21:15	6.884	145.5	7.82	5.783	29.44	0
4/17/2018 21:30	6.109	142.4	6.47	5.738	29.44	0
4/17/2018 21:45	6.395	145	7.188	5.584	29.44	0
4/17/2018 22:00	5.211	141.7	10.52	5.565	29.44	0
4/17/2018 22:15	3.78	119.3	8.79	5.52	29.44	0
4/17/2018 22:30	4.603	138.7	7.975	5.553	29.44	0
4/17/2018 22:45	6.005	145.7	5.315	5.622	29.44	0
4/17/2018 23:00	6.286	150.7	5.877	5.526	29.44	0
4/17/2018 23:15	5.048	153	6.846	5.364	29.44	0
4/17/2018 23:30	3.279	141.3	8.36	5.137	29.44	0
4/17/2018 23:45	1.608	124.2	5.985	5.05	29.44	0
4/18/2018 0:00	3.061	121.1	7.718	5.125	29.43	0
4/18/2018 0:15	2.554	122.3	8.38	5.141	29.43	0
4/18/2018 0:30	2.581	105.7	5.032	5.349	29.43	0
4/18/2018 0:45	2.277	106.8	5.993	5.352	29.43	0
4/18/2018 1:00	2.158	103.1	6.744	5.274	29.4	0
4/18/2018 1:15	2.183	94.9	6.145	4.91	29.4	0
4/18/2018 1:30	2.601	93.7	8.85	4.742	29.4	0
4/18/2018 1:45	0.948	119.2	41.83	4.729	29.4	0
4/18/2018 2:00	0	0	0	4.804	29.41	0
4/18/2018 2:15	0	0	0	4.96	29.41	0
4/18/2018 2:30	0.12	68.32	13.4	4.489	29.41	0
4/18/2018 2:45	0.641	48.68	12.37	4.583	29.41	0
4/18/2018 3:00	1.281	28.18	3.479	4.714	29.41	0
4/18/2018 3:15	1.842	20.54	7.036	4.836	29.41	0
4/18/2018 3:30	2.927	20.28	6.3	4.806	29.41	0

4/18/2018 3:45	2.296	18.44	11.79	4.478	29.41	0
4/18/2018 4:00	2.411	18.04	6.29	4.29	29.38	0
4/18/2018 4:15	4.034	39.59	9.66	3.925	29.38	0
4/18/2018 4:30	3.918	46.84	10.95	3.717	29.38	0
4/18/2018 4:45	3.503	28.46	9.84	3.854	29.38	0
4/18/2018 5:00	4.06	17.07	13.29	3.684	29.39	0
4/18/2018 5:15	4.325	31.9	11.9	3.692	29.39	0
4/18/2018 5:30	4.01	41.07	11.59	3.505	29.39	0
4/18/2018 5:45	4.779	32.17	7.512	3.308	29.39	0
4/18/2018 6:00	3.952	32.13	9.36	3.292	29.37	0
4/18/2018 6:15	3.98	38.31	10.59	3.387	29.37	0
4/18/2018 6:30	4.16	42.22	8.63	3.513	29.37	0
4/18/2018 6:45	4.916	16.87	11.65	3.743	29.37	0
4/18/2018 7:00	4.712	26.69	12.81	3.985	29.37	0
4/18/2018 7:15	3.844	30.81	6.971	4.666	29.37	0
4/18/2018 7:30	3.797	17.03	14.35	5.115	29.37	0
4/18/2018 7:45	2.926	30.02	14.66	5.551	29.37	0
4/18/2018 8:00	2.01	45.85	27.84	6.262	29.38	0
4/18/2018 8:15	0.717	253.5	45.14	7.406	29.38	0
4/18/2018 8:30	1.794	223.4	27.48	7.268	29.38	0
4/18/2018 8:45	2.256	222	25.23	7.423	29.38	0
4/18/2018 9:00	1.536	221.2	17.52	7.936	29.38	0
4/18/2018 9:15	2.756	28.73	41.36	8.31	29.38	0
4/18/2018 9:30	5.587	22.28	14.69	8.28	29.38	0
4/18/2018 9:45	7.521	27.91	9.8	8.13	29.38	0
4/18/2018 10:00	7.916	20.43	13.91	8.24	29.37	0
4/18/2018 10:15	9.58	21.96	10.59	8.64	29.37	0
4/18/2018 10:30	9.63	26.59	10.07	8.9	29.37	0
4/18/2018 10:45	9.62	22.97	11.61	9.1	29.37	0
4/18/2018 11:00	8.14	28.22	12.01	9.49	29.36	0
4/18/2018 11:15	7.74	27.92	10.54	9.88	29.36	0
4/18/2018 11:30	6.793	27.71	14.71	10.17	29.36	0
4/18/2018 11:45	7.475	22.52	13.69	10.61	29.36	0
4/18/2018 12:00	7.209	26.35	14.49	10.92	29.34	0
4/18/2018 12:15	7.062	31.03	13.04	11.32	29.34	0
4/18/2018 12:30	8.65	24.86	12.6	11.81	29.34	0
4/18/2018 12:45	6.857	26.36	15.89	11.93	29.34	0
4/18/2018 13:00	7.109	22.26	16.32	12.35	29.32	0
4/18/2018 13:15	8.14	25.14	16.59	12.56	29.32	0
4/18/2018 13:30	7.275	19.1	11.19	12.55	29.32	0
4/18/2018 13:45	6.109	356.4	30.16	13.23	29.32	0
4/18/2018 14:00	10.45	23.33	11.77	12.79	29.31	0
4/18/2018 14:15	8.66	20.42	15.67	13.17	29.31	0
4/18/2018 14:30	6.752	15.26	24.64	13.31	29.31	0
4/18/2018 14:45	3.424	20.11	16.7	13.07	29.31	0
4/18/2018 15:00	5.116	88.5	39.92	12.55	29.31	0
4/18/2018 15:15	10.99	161	10.8	10.97	29.31	0
4/18/2018 15:30	7.633	226.7	80.6	10.76	29.31	0.02
4/18/2018 15:45	7.497	196.8	50.96	9.56	29.31	0.02
4/18/2018 16:00	5.074	268.9	57	9.72	29.32	0
4/18/2018 16:15	3.536	142	90.9	8.66	29.32	0.03
4/18/2018 16:30	7.679	355.7	24.06	8.41	29.32	0.01
4/18/2018 16:45	3.694	310.8	19.66	8.37	29.32	0
4/18/2018 17:00	2.989	19.25	11.13	8.24	29.35	0
4/18/2018 17:15	5.874	17.32	6.403	8.14	29.35	0
4/18/2018 17:30	6.971	15.5	10.24	8.05	29.35	0
4/18/2018 17:45	6.376	18.17	7.12	8.09	29.35	0
4/18/2018 18:00	5.811	23.27	6.916	8.08	29.31	0
4/18/2018 18:15	6.752	25.53	8.37	8.15	29.31	0

4/18/2018 18:30	9.69	17.56	16.73	8.5	29.31	0
4/18/2018 18:45	6.67	3.179	22.57	8.52	29.31	0
4/18/2018 19:00	5.895	11.77	21.21	8.7	29.34	0
4/18/2018 19:15	5.843	13.56	17.45	8.6	29.34	0
4/18/2018 19:30	5.581	21.88	24.55	8.27	29.34	0
4/18/2018 19:45	5.457	20.16	18.96	8.25	29.34	0
4/18/2018 20:00	2.329	16.25	23.85	8.04	29.33	0
4/18/2018 20:15	1.949	12.2	21.62	7.582	29.33	0
4/18/2018 20:30	5.012	18.35	7.034	6.989	29.33	0
4/18/2018 20:45	5.044	28.36	13.19	7.323	29.33	0
4/18/2018 21:00	3.525	52.69	11.04	7.631	29.35	0
4/18/2018 21:15	1.446	69.98	30.59	7.221	29.35	0
4/18/2018 21:30	2.088	40.68	9.76	6.88	29.35	0
4/18/2018 21:45	2.968	21.09	13.36	6.737	29.35	0
4/18/2018 22:00	1.971	28.37	5.559	6.77	29.37	0
4/18/2018 22:15	3.914	23.69	5.763	6.579	29.37	0
4/18/2018 22:30	3.548	18.25	6.48	6.423	29.37	0
4/18/2018 22:45	3.21	17.12	12.63	6.58	29.37	0
4/18/2018 23:00	5.154	34.1	11.73	6.111	29.37	0
4/18/2018 23:15	7.865	21.04	9.79	5.971	29.37	0
4/18/2018 23:30	8.6	15.62	6.113	5.872	29.37	0
4/18/2018 23:45	8.8	21.31	8.18	5.89	29.37	0
4/19/2018 0:00	7.633	24.57	6.574	5.946	29.38	0
4/19/2018 0:15	7.443	24.42	8.52	5.929	29.38	0
4/19/2018 0:30	7.698	16.13	4.238	5.824	29.38	0
4/19/2018 0:45	5.016	18.39	7.087	5.638	29.38	0
4/19/2018 1:00	2.899	44.14	14.46	5.737	29.38	0
4/19/2018 1:15	2.141	60.09	7.438	5.729	29.38	0
4/19/2018 1:30	2.246	156.4	50.1	5.159	29.38	0
4/19/2018 1:45	2.798	167.1	15.95	5.388	29.38	0
4/19/2018 2:00	1.516	147.9	12.05	5.508	29.36	0
4/19/2018 2:15	1.718	160.7	7.797	5.734	29.36	0
4/19/2018 2:30	0.6	349.9	40.67	5.376	29.36	0
4/19/2018 2:45	2.56	15.25	8.98	5.121	29.36	0
4/19/2018 3:00	2.671	32.89	11.91	5.052	29.37	0
4/19/2018 3:15	2.083	28.42	2.812	4.852	29.37	0
4/19/2018 3:30	2.749	26.73	10.06	5.155	29.37	0
4/19/2018 3:45	1.817	18.88	16.25	5.067	29.37	0
4/19/2018 4:00	2.863	34.78	13.21	4.853	29.38	0
4/19/2018 4:15	1.111	58.55	1.747	4.662	29.38	0
4/19/2018 4:30	1.076	167	17.92	4.821	29.38	0
4/19/2018 4:45	1.41	185.5	26.04	5.152	29.38	0
4/19/2018 5:00	1.977	212.8	38.45	4.652	29.38	0
4/19/2018 5:15	0.15	267.8	2.655	4.562	29.38	0
4/19/2018 5:30	0.354	138.8	11.77	4.814	29.38	0
4/19/2018 5:45	0.978	136.6	20.63	4.614	29.38	0
4/19/2018 6:00	2.702	170.6	9.03	4.713	29.41	0
4/19/2018 6:15	2.836	138.5	14.96	4.736	29.41	0
4/19/2018 6:30	3.288	123.6	5.602	5.38	29.41	0
4/19/2018 6:45	3.986	142.7	11.1	5.626	29.41	0
4/19/2018 7:00	2.413	138.6	35.48	6.088	29.41	0
4/19/2018 7:15	1.394	199.1	68.27	6.658	29.41	0
4/19/2018 7:30	3.218	224	13.7	6.502	29.41	0
4/19/2018 7:45	2.654	227.5	9.38	6.84	29.41	0
4/19/2018 8:00	1.498	230.6	26.41	7.426	29.44	0
4/19/2018 8:15	1.209	233.3	21.41	7.825	29.44	0
4/19/2018 8:30	1.06	259.2	38.98	8.31	29.44	0
4/19/2018 8:45	1.379	261.9	39.72	8.06	29.44	0
4/19/2018 9:00	1.59	261.1	29.25	8.43	29.42	0

4/19/2018 9:15	1.951	289.1	79.12	9.4	29.42	0
4/19/2018 9:30	2.986	279.9	31.95	9.87	29.42	0
4/19/2018 9:45	2.156	280.3	28.56	9.88	29.42	0
4/19/2018 10:00	4.064	340.2	21.87	10.25	29.43	0
4/19/2018 10:15	3.187	349.5	29.24	11.11	29.43	0
4/19/2018 10:30	4.648	295.9	26.72	10.83	29.43	0
4/19/2018 10:45	4.6	9.75	39.94	11.53	29.43	0
4/19/2018 11:00	3.599	17.14	24.61	11.63	29.44	0
4/19/2018 11:15	2.362	354.1	75.44	12.49	29.44	0
4/19/2018 11:30	4.198	255	28.87	12.63	29.44	0
4/19/2018 11:45	3.927	285.7	31.76	13.04	29.44	0
4/19/2018 12:00	4.742	296.6	31.54	13.53	29.42	0
4/19/2018 12:15	5.449	305.9	26.97	13.64	29.42	0
4/19/2018 12:30	7.953	279	13.81	13.73	29.42	0
4/19/2018 12:45	8.98	252.8	14.82	13.74	29.42	0
4/19/2018 13:00	8.35	256.7	15.83	14.13	29.4	0
4/19/2018 13:15	8.99	291.7	18.85	14.38	29.4	0
4/19/2018 13:30	9.17	296.1	11.92	14.39	29.4	0
4/19/2018 13:45	10.31	271.5	20.58	14.37	29.4	0
4/19/2018 14:00	7.985	257.6	14.5	14.6	29.43	0
4/19/2018 14:15	9.13	274.6	15.53	14.45	29.43	0
4/19/2018 14:30	4.199	300.4	26.95	14.75	29.43	0
4/19/2018 14:45	7.63	288.2	23.76	14.72	29.43	0
4/19/2018 15:00	6.488	268	17.17	14.45	29.4	0
4/19/2018 15:15	5.138	269.8	24.18	14.78	29.4	0
4/19/2018 15:30	6.471	279.6	17.45	14.59	29.4	0
4/19/2018 15:45	7.421	256.6	16.77	14.61	29.4	0
4/19/2018 16:00	4.481	244.1	47.56	14.72	29.42	0
4/19/2018 16:15	4.327	290.9	35.75	14.68	29.42	0
4/19/2018 16:30	4.667	310.3	39.24	14.58	29.42	0
4/19/2018 16:45	3.396	239.1	32.25	14.56	29.42	0
4/19/2018 17:00	5.612	323.5	18.31	14.68	29.39	0
4/19/2018 17:15	6.442	319.6	10.92	14.63	29.39	0
4/19/2018 17:30	5.971	328.3	22.44	14.42	29.39	0
4/19/2018 17:45	3.259	313.6	15.22	14.66	29.39	0
4/19/2018 18:00	2.36	298.2	22.59	14.18	29.41	0
4/19/2018 18:15	4.688	294.6	15.52	13.82	29.41	0
4/19/2018 18:30	6.493	299	5.561	13.15	29.41	0
4/19/2018 18:45	4.926	312.3	5.948	12.49	29.41	0
4/19/2018 19:00	4.165	327.8	4.293	12.38	29.39	0
4/19/2018 19:15	3.714	326.1	2.667	12.33	29.39	0
4/19/2018 19:30	3.595	0.416	17.39	12.02	29.39	0
4/19/2018 19:45	2.862	16.96	10.27	11.84	29.39	0
4/19/2018 20:00	5.628	29.41	6.943	10.68	29.4	0
4/19/2018 20:15	5.879	30.56	4.862	9.91	29.4	0
4/19/2018 20:30	5.881	31.48	7.622	9.9	29.4	0
4/19/2018 20:45	6.285	32.99	10.28	9.9	29.4	0
4/19/2018 21:00	6.582	34.26	8.71	9.84	29.42	0
4/19/2018 21:15	6.815	22.79	9.55	9.36	29.42	0
4/19/2018 21:30	8.54	14.81	11.36	10.02	29.42	0
4/19/2018 21:45	7.627	37.73	15.79	9.76	29.42	0
4/19/2018 22:00	7.686	37.4	16.31	9.63	29.43	0
4/19/2018 22:15	8.74	25.08	13.62	9.92	29.43	0
4/19/2018 22:30	8.62	20.89	12.08	9.76	29.43	0
4/19/2018 22:45	6.887	25.01	14.19	9.72	29.43	0
4/19/2018 23:00	8.29	35.09	8.39	9.25	29.42	0
4/19/2018 23:15	7.97	35.75	12.51	8.91	29.42	0
4/19/2018 23:30	5.89	68.42	11.34	8.1	29.42	0
4/19/2018 23:45	3.986	119.6	12.09	7.714	29.42	0

4/20/2018 0:00	4.506	124	8.92	8.27	29.45	0
4/20/2018 0:15	4.694	107.8	10.18	8.25	29.45	0
4/20/2018 0:30	3.666	103.8	11.06	7.568	29.45	0
4/20/2018 0:45	3.354	111.5	4.984	7.37	29.45	0
4/20/2018 1:00	2.919	130.3	19.61	7.509	29.44	0
4/20/2018 1:15	2.492	135.2	12.36	7.639	29.44	0
4/20/2018 1:30	3.736	124.4	4.256	7.845	29.44	0
4/20/2018 1:45	4.577	128.8	4.232	7.513	29.44	0
4/20/2018 2:00	4.627	126.8	6.243	7.773	29.44	0
4/20/2018 2:15	5.176	128.7	6.219	7.703	29.44	0
4/20/2018 2:30	5.945	141.9	7.513	7.719	29.44	0
4/20/2018 2:45	6.394	147.2	5.7	7.584	29.44	0
4/20/2018 3:00	5.688	141.2	4.393	7.447	29.42	0
4/20/2018 3:15	3.832	149.6	4.418	7.627	29.42	0
4/20/2018 3:30	3.964	179.1	15.18	7.318	29.42	0
4/20/2018 3:45	5.11	201.6	8.59	6.163	29.42	0
4/20/2018 4:00	5.199	180.2	7.064	5.766	29.42	0
4/20/2018 4:15	4.453	162.6	11.6	5.479	29.42	0
4/20/2018 4:30	5.186	146.3	6.905	5.726	29.42	0
4/20/2018 4:45	5.801	155.7	3.982	5.78	29.42	0
4/20/2018 5:00	7.247	146.9	5.738	5.633	29.43	0
4/20/2018 5:15	6.182	143.8	8.98	5.615	29.43	0
4/20/2018 5:30	6.625	152.8	4.084	5.472	29.43	0
4/20/2018 5:45	5.45	151.5	8.5	5.499	29.43	0
4/20/2018 6:00	4.266	140.1	7.869	5.529	29.44	0
4/20/2018 6:15	3.753	128.7	4.375	5.864	29.44	0
4/20/2018 6:30	4.247	140.7	7.312	6.466	29.44	0
4/20/2018 6:45	3.644	139.6	7.364	7.018	29.44	0
4/20/2018 7:00	2.936	129.9	6.262	7.237	29.44	0
4/20/2018 7:15	2.255	120.9	14.74	7.497	29.44	0
4/20/2018 7:30	3.296	128	16.65	8.13	29.44	0
4/20/2018 7:45	3.179	176.5	23.66	7.87	29.44	0
4/20/2018 8:00	3.533	209	9.92	8.18	29.43	0
4/20/2018 8:15	3.659	226.1	10.99	8.49	29.43	0
4/20/2018 8:30	0.525	15.55	14.89	9.22	29.43	0
4/20/2018 8:45	0.549	11.68	8.64	10.25	29.43	0
4/20/2018 9:00	1.062	24.3	10.97	10.81	29.42	0
4/20/2018 9:15	1.275	349.5	47.38	11.17	29.42	0
4/20/2018 9:30	2.71	238.3	33.78	11.73	29.42	0
4/20/2018 9:45	3.737	220.3	19.55	11.91	29.42	0
4/20/2018 10:00	3.869	209.3	30.36	12.64	29.41	0
4/20/2018 10:15	4.392	187.8	23.64	12.89	29.41	0
4/20/2018 10:30	4.419	212.3	34.67	13.27	29.41	0
4/20/2018 10:45	4.901	169.4	25.86	13.76	29.41	0
4/20/2018 11:00	3.735	183.2	57.32	14.16	29.39	0
4/20/2018 11:15	4.414	208.3	33.79	14.61	29.39	0
4/20/2018 11:30	5.08	224.4	23.61	14.37	29.39	0
4/20/2018 11:45	5.223	231.1	21.24	14.95	29.39	0
4/20/2018 12:00	6.779	219.8	25.89	14.93	29.37	0
4/20/2018 12:15	7.1	230.8	18.41	15.01	29.37	0
4/20/2018 12:30	5.91	220.2	24.32	15.18	29.37	0
4/20/2018 12:45	4.856	229.9	28.4	15.62	29.37	0
4/20/2018 13:00	7.047	231.3	30.44	15.82	29.37	0
4/20/2018 13:15	5.937	241.3	18.94	15.84	29.37	0
4/20/2018 13:30	6.765	255.6	21.79	16.05	29.37	0
4/20/2018 13:45	8.83	243.8	17.79	15.67	29.37	0
4/20/2018 14:00	8.31	247.4	25.99	15.35	29.36	0
4/20/2018 14:15	10.58	252.7	10.57	14.94	29.36	0
4/20/2018 14:30	10.62	254.4	13.67	14.37	29.36	0

4/20/2018 14:45	11.14	248.4	7.489	13.98	29.36	0
4/20/2018 15:00	10.74	248.2	9.9	13.9	29.38	0
4/20/2018 15:15	9.01	237.9	9.76	13.85	29.38	0
4/20/2018 15:30	2.126	273.4	29.08	13.92	29.38	0
4/20/2018 15:45	0.481	345.8	42.79	13.9	29.38	0
4/20/2018 16:00	3.448	63.86	18.01	13.9	29.35	0
4/20/2018 16:15	2.716	48.61	29.19	13.9	29.35	0
4/20/2018 16:30	2.182	339.3	14.02	14.11	29.35	0
4/20/2018 16:45	2.808	305.5	14.26	13.99	29.35	0
4/20/2018 17:00	5.022	262.7	13.99	13.86	29.34	0
4/20/2018 17:15	5.316	255.6	6.154	13.65	29.34	0
4/20/2018 17:30	3.186	271.5	7.99	13.51	29.34	0
4/20/2018 17:45	4.644	266.1	9.2	13.4	29.34	0
4/20/2018 18:00	5.278	272.5	9.98	13.27	29.32	0
4/20/2018 18:15	5.685	273.2	10.58	13.05	29.32	0
4/20/2018 18:30	5.154	317	6.752	12.48	29.32	0
4/20/2018 18:45	4.035	312.3	5.37	12.17	29.32	0
4/20/2018 19:00	2.542	310.5	2.868	12.18	29.33	0
4/20/2018 19:15	3.757	285.5	10.28	12.06	29.33	0
4/20/2018 19:30	4.631	250.6	10.92	11.89	29.33	0
4/20/2018 19:45	6.096	239.6	10.34	11.89	29.33	0
4/20/2018 20:00	4.813	239.2	15.45	11.74	29.35	0
4/20/2018 20:15	4.686	244.7	11.93	11.37	29.35	0
4/20/2018 20:30	4.122	235.5	21.27	11.17	29.35	0
4/20/2018 20:45	2.718	200.1	41.45	10.98	29.35	0
4/20/2018 21:00	3.386	158.9	25.45	10.84	29.34	0
4/20/2018 21:15	3.738	181	26.73	10.78	29.34	0
4/20/2018 21:30	2.74	197.9	32.76	10.65	29.34	0
4/20/2018 21:45	5.056	185.4	10.35	10.43	29.34	0
4/20/2018 22:00	4.569	225.4	26.27	10.34	29.35	0
4/20/2018 22:15	6.707	252.3	7.116	10.23	29.35	0
4/20/2018 22:30	6.2	254.4	12.09	10.03	29.35	0
4/20/2018 22:45	9.31	253.7	12.53	9.72	29.35	0
4/20/2018 23:00	5.463	244.7	17.92	9.29	29.36	0
4/20/2018 23:15	2.776	137.9	39.68	8.96	29.36	0
4/20/2018 23:30	5.492	132.6	7.774	8.73	29.36	0
4/20/2018 23:45	5.451	134.3	10.61	8.81	29.36	0
4/21/2018 0:00	4.172	157.4	17.6	8.78	29.34	0
4/21/2018 0:15	4.523	171.3	12.05	9.1	29.34	0
4/21/2018 0:30	4.451	176.7	10.28	8.81	29.34	0
4/21/2018 0:45	4.039	189.9	11.73	8.68	29.34	0
4/21/2018 1:00	5.149	196	13.04	8.69	29.38	0.01
4/21/2018 1:15	14.4	218.1	12.69	8.25	29.38	0.01
4/21/2018 1:30	10.01	196.2	11.76	7.551	29.38	0.01
4/21/2018 1:45	12.12	194.2	9.47	7.124	29.38	0.01
4/21/2018 2:00	11.01	171.7	19.32	6.636	29.38	0.01
4/21/2018 2:15	8.74	148.8	8.59	6.303	29.38	0
4/21/2018 2:30	7.814	150.2	7.739	6.314	29.38	0.01
4/21/2018 2:45	7.293	178.1	11.24	6.375	29.38	0
4/21/2018 3:00	8.12	189.3	16.41	6.286	29.4	0.02
4/21/2018 3:15	11.17	172.6	7.819	6.176	29.4	0
4/21/2018 3:30	13.1	160.4	7.595	6.011	29.4	0
4/21/2018 3:45	13.24	165.2	12.87	6.02	29.4	0
4/21/2018 4:00	9.15	174	10.38	6.185	29.42	0
4/21/2018 4:15	6.792	157.2	15.36	6.139	29.42	0
4/21/2018 4:30	11.76	167.5	11.57	6.162	29.42	0
4/21/2018 4:45	13.96	183.7	7.337	6.184	29.42	0
4/21/2018 5:00	14.6	177.5	12.46	6.262	29.43	0
4/21/2018 5:15	12.06	175.3	13.06	6.225	29.43	0

4/21/2018 5:30	13.42	178.7	10.43	6.194	29.43	0
4/21/2018 5:45	13.56	182.8	9.61	6.18	29.43	0
4/21/2018 6:00	13.49	188	8.94	6.198	29.46	0
4/21/2018 6:15	14.56	181.9	10.29	6.202	29.46	0
4/21/2018 6:30	12.24	170.8	11.89	6.239	29.46	0
4/21/2018 6:45	11.06	164.8	11.35	6.279	29.46	0
4/21/2018 7:00	14.53	185.3	10.04	6.404	29.48	0
4/21/2018 7:15	14.89	187.8	9	6.403	29.48	0
4/21/2018 7:30	12.79	182.8	10.91	6.577	29.48	0
4/21/2018 7:45	14.73	178.8	11.08	6.788	29.48	0
4/21/2018 8:00	12	186.8	11.8	6.916	29.53	0
4/21/2018 8:15	10.93	182.3	12.16	7.097	29.53	0
4/21/2018 8:30	8.17	189.9	13.66	7.335	29.53	0
4/21/2018 8:45	9.55	189.9	12.01	7.485	29.53	0
4/21/2018 9:00	9.62	198.4	15.67	7.794	29.56	0
4/21/2018 9:15	10.47	189.7	11.21	8.23	29.56	0
4/21/2018 9:30	11.71	200.8	10.56	8.4	29.56	0
4/21/2018 9:45	12.74	206.5	12.22	8.41	29.56	0
4/21/2018 10:00	11.05	210.4	15.85	8.61	29.55	0
4/21/2018 10:15	9.4	203.8	17.59	8.9	29.55	0
4/21/2018 10:30	11	202.8	24.29	8.94	29.55	0
4/21/2018 10:45	9.34	201.1	18.36	9.72	29.55	0
4/21/2018 11:00	8.21	208.6	20.85	10.25	29.54	0
4/21/2018 11:15	7.22	223.1	21.92	9.87	29.54	0
4/21/2018 11:30	10.56	212.2	12.36	9.97	29.54	0
4/21/2018 11:45	9.76	208.3	10.12	10.5	29.54	0
4/21/2018 12:00	9.46	218.6	21.93	10.78	29.56	0
4/21/2018 12:15	9.72	219.2	12.62	11	29.56	0
4/21/2018 12:30	7.868	221	18.72	11.38	29.56	0
4/21/2018 12:45	7.012	188.1	23.23	11.51	29.56	0
4/21/2018 13:00	8.59	204.8	17.07	11.2	29.55	0
4/21/2018 13:15	7.464	222.4	24.62	11.47	29.55	0
4/21/2018 13:30	10	228.2	13.79	11.18	29.55	0
4/21/2018 13:45	11.22	226.9	11.2	10.87	29.55	0
4/21/2018 14:00	8.96	220.1	9.78	10.65	29.57	0
4/21/2018 14:15	9.57	305.5	32.79	10.71	29.57	0
4/21/2018 14:30	9.96	321.9	7.764	10.09	29.57	0
4/21/2018 14:45	7.117	335.3	13.73	10.14	29.57	0
4/21/2018 15:00	7.511	339.9	11.38	9.85	29.58	0
4/21/2018 15:15	7.629	18.2	21.59	9.28	29.58	0
4/21/2018 15:30	8.21	23.4	10.04	8.77	29.58	0
4/21/2018 15:45	7.111	24.15	9.62	8.73	29.58	0
4/21/2018 16:00	6.338	40.95	11.35	8.78	29.57	0
4/21/2018 16:15	5.775	37.42	8.43	8.97	29.57	0
4/21/2018 16:30	5.059	30.68	11.24	9.42	29.57	0
4/21/2018 16:45	3.364	33.19	15.02	9.79	29.57	0
4/21/2018 17:00	1.078	61.71	10.45	10.23	29.56	0
4/21/2018 17:15	0.526	57.67	55.29	10.38	29.56	0
4/21/2018 17:30	1.639	90.3	56.16	10.28	29.56	0
4/21/2018 17:45	5.324	29.37	8.74	9.63	29.56	0
4/21/2018 18:00	4.273	22.89	9.11	9.55	29.57	0
4/21/2018 18:15	3.593	12.27	6.509	9.46	29.57	0
4/21/2018 18:30	4.934	11.86	6.908	9.28	29.57	0
4/21/2018 18:45	7.943	23.8	9.35	8.96	29.57	0
4/21/2018 19:00	6.382	33.38	7.699	8.61	29.55	0
4/21/2018 19:15	7.017	28.37	9.2	8.35	29.55	0
4/21/2018 19:30	8.42	29.37	10.4	8.18	29.55	0
4/21/2018 19:45	7.441	31.16	8.25	7.976	29.55	0
4/21/2018 20:00	9.87	25.34	11.04	7.885	29.58	0

4/21/2018 20:15	8.9	25.91	10.29	7.635	29.58	0
4/21/2018 20:30	10.46	25.97	9.65	7.561	29.58	0
4/21/2018 20:45	11.48	20.93	9.64	7.505	29.58	0
4/21/2018 21:00	10.99	24.52	9.91	7.409	29.58	0
4/21/2018 21:15	12.19	28.22	10.58	7.535	29.58	0
4/21/2018 21:30	13.13	26.34	11.69	7.775	29.58	0
4/21/2018 21:45	15.02	28.64	10.06	7.736	29.58	0
4/21/2018 22:00	14.04	26.24	11.62	7.552	29.55	0
4/21/2018 22:15	15.32	26.29	9.77	7.417	29.55	0
4/21/2018 22:30	12.98	26.95	11.2	7.18	29.55	0
4/21/2018 22:45	14.94	26.93	10.4	7.177	29.55	0
4/21/2018 23:00	14.99	30.45	10.45	7.074	29.54	0
4/21/2018 23:15	14.85	25.25	10.97	6.901	29.54	0
4/21/2018 23:30	13.87	19.96	11.6	6.718	29.54	0
4/21/2018 23:45	13.42	20.82	12.43	6.659	29.54	0
4/22/2018 0:00	10.99	23.01	12.8	6.468	29.56	0
4/22/2018 0:15	12.21	19.26	13.29	6.339	29.56	0
4/22/2018 0:30	12.06	18.35	13.9	6.244	29.56	0
4/22/2018 0:45	10.37	21.64	14.31	6.121	29.56	0
4/22/2018 1:00	9	29.5	13.03	5.988	29.56	0
4/22/2018 1:15	8.18	26.47	12.65	5.895	29.56	0
4/22/2018 1:30	7.491	20.57	14.33	5.845	29.56	0
4/22/2018 1:45	5.777	14.17	18.59	5.808	29.56	0
4/22/2018 2:00	3.176	355.2	26.74	5.834	29.56	0
4/22/2018 2:15	2.368	282.5	52.59	5.883	29.56	0
4/22/2018 2:30	3.3	276.2	38.09	5.936	29.56	0
4/22/2018 2:45	2.578	248.6	21.27	6.038	29.56	0
4/22/2018 3:00	0.358	35.9	37.79	5.78	29.55	0
4/22/2018 3:15	0.995	51.87	36.48	5.643	29.55	0
4/22/2018 3:30	3.689	355.2	26.33	5.699	29.55	0
4/22/2018 3:45	2.318	8.24	25.04	5.578	29.55	0
4/22/2018 4:00	5.794	12.25	16.6	5.392	29.54	0
4/22/2018 4:15	7.51	13.2	10.73	5.377	29.54	0
4/22/2018 4:30	8.32	10.35	13.4	5.541	29.54	0
4/22/2018 4:45	7.964	9.5	14.08	5.609	29.54	0
4/22/2018 5:00	3.177	6.776	7.206	5.39	29.56	0
4/22/2018 5:15	2.958	9.66	11.36	5.026	29.56	0
4/22/2018 5:30	6.326	16.07	11.39	5.394	29.56	0
4/22/2018 5:45	6.586	11.58	11.51	5.606	29.56	0
4/22/2018 6:00	6.259	16.81	10.69	5.763	29.57	0
4/22/2018 6:15	5.875	4.324	14.48	5.881	29.57	0
4/22/2018 6:30	7.088	18.82	10.18	5.816	29.57	0
4/22/2018 6:45	6.742	17	10.78	5.741	29.57	0
4/22/2018 7:00	6.855	13.92	8.83	5.886	29.58	0
4/22/2018 7:15	9.35	1.796	15.84	6.019	29.58	0
4/22/2018 7:30	8.39	17.95	15.22	5.982	29.58	0
4/22/2018 7:45	7.757	6.212	14.38	6.103	29.58	0
4/22/2018 8:00	8.11	3.486	15.8	6.454	29.57	0
4/22/2018 8:15	8.21	11.08	16.73	6.967	29.57	0
4/22/2018 8:30	9.86	25.63	12.09	7.08	29.57	0
4/22/2018 8:45	9.26	16.56	20.13	7.858	29.57	0
4/22/2018 9:00	7.054	0.818	23.74	7.998	29.56	0
4/22/2018 9:15	7.994	17.63	24.26	8.45	29.56	0
4/22/2018 9:30	7.983	334.2	30.69	8.69	29.56	0
4/22/2018 9:45	11.65	14.52	12.57	8.65	29.56	0
4/22/2018 10:00	8.93	16.89	22.88	8.91	29.55	0
4/22/2018 10:15	8.28	39.9	15.18	9.33	29.55	0
4/22/2018 10:30	8.72	15.32	17.37	9.78	29.55	0
4/22/2018 10:45	11.09	27.99	13.67	9.92	29.55	0

4/22/2018 11:00	7.828	4.771	22.3	10.74	29.56	0
4/22/2018 11:15	8.3	336.5	22.14	10.94	29.56	0
4/22/2018 11:30	7.966	11.58	22.84	11.08	29.56	0
4/22/2018 11:45	7.282	3.977	27.67	11.46	29.56	0
4/22/2018 12:00	8.41	331.5	23.22	11.52	29.52	0
4/22/2018 12:15	10.31	28.16	13.5	11.27	29.52	0
4/22/2018 12:30	7.318	10.39	31.17	11.64	29.52	0
4/22/2018 12:45	8.51	332.1	21.53	12.01	29.52	0
4/22/2018 13:00	6.833	326.5	18.28	12.4	29.51	0
4/22/2018 13:15	6.97	342	22.27	12.68	29.51	0
4/22/2018 13:30	7.576	320.9	26.37	12.71	29.51	0
4/22/2018 13:45	7.034	315.7	26.91	13.12	29.51	0
4/22/2018 14:00	8.07	19.97	22.24	13.06	29.49	0
4/22/2018 14:15	8.94	358.1	28.78	13.21	29.49	0
4/22/2018 14:30	7.794	326.3	21.16	13.65	29.49	0
4/22/2018 14:45	7.434	327.9	17.81	13.78	29.49	0
4/22/2018 15:00	8.85	332.7	23.86	13.93	29.5	0
4/22/2018 15:15	7.821	324.6	17.95	13.94	29.5	0
4/22/2018 15:30	7.387	325.7	28.62	14.05	29.5	0
4/22/2018 15:45	8.72	332.4	20.73	14.05	29.5	0
4/22/2018 16:00	8.55	339.5	18.01	13.78	29.47	0
4/22/2018 16:15	8.53	328.2	15.46	13.92	29.47	0
4/22/2018 16:30	8.27	336.3	26.14	13.97	29.47	0
4/22/2018 16:45	8.7	344.2	16.35	13.71	29.47	0
4/22/2018 17:00	8.63	357.7	18.81	13.55	29.48	0
4/22/2018 17:15	7.946	355.3	16.27	13.32	29.48	0
4/22/2018 17:30	9.45	350.4	17.85	13.07	29.48	0
4/22/2018 17:45	12.46	336.1	11.43	12.73	29.48	0
4/22/2018 18:00	9.87	347.7	17.68	12.52	29.48	0
4/22/2018 18:15	11.95	354.1	18.26	12.25	29.48	0
4/22/2018 18:30	11.19	352	16.44	12.01	29.48	0
4/22/2018 18:45	9.69	359.4	15.02	11.73	29.48	0
4/22/2018 19:00	8.52	2.949	18.26	11.54	29.46	0
4/22/2018 19:15	5.416	348	18.18	11.2	29.46	0
4/22/2018 19:30	5.609	3.57	18	10.88	29.46	0
4/22/2018 19:45	4.627	25.75	16.75	10.59	29.46	0
4/22/2018 20:00	5.52	40.89	14.26	10.49	29.47	0
4/22/2018 20:15	2.859	45.84	14.59	10.32	29.47	0
4/22/2018 20:30	3.009	37.9	27.42	9.87	29.47	0
4/22/2018 20:45	3.772	22.15	11.68	9.81	29.47	0
4/22/2018 21:00	3.941	360	15.28	9.92	29.5	0
4/22/2018 21:15	2.761	348.4	19.16	9.83	29.5	0
4/22/2018 21:30	4.894	299.2	10.4	9.46	29.5	0
4/22/2018 21:45	5.001	327	28.71	9.24	29.5	0
4/22/2018 22:00	3.112	347.6	31.08	9.07	29.48	0
4/22/2018 22:15	3.737	16.64	18.72	8.61	29.48	0
4/22/2018 22:30	3.657	23.52	18	8.58	29.48	0
4/22/2018 22:45	4.703	7.403	14.46	8.89	29.48	0
4/22/2018 23:00	5.445	14.24	12.63	8.65	29.48	0
4/22/2018 23:15	6.762	13.6	8.35	8.03	29.48	0
4/22/2018 23:30	8.44	5.781	7.712	7.977	29.48	0
4/22/2018 23:45	8.4	9.73	4.172	8.17	29.48	0
4/23/2018 0:00	3.715	66.44	15.59	6.309	29.51	0
4/23/2018 0:15	4.953	69.4	9.67	6.629	29.51	0
4/23/2018 0:30	3.985	67.51	23.49	6.302	29.51	0
4/23/2018 0:45	5.459	35.83	11.79	7.104	29.51	0
4/23/2018 1:00	4.993	41.61	13.63	6.584	29.51	0
4/23/2018 1:15	6.631	24.01	6.926	6.461	29.51	0
4/23/2018 1:30	5.311	31.64	15.56	5.862	29.51	0

4/23/2018 1:45	2.055	24.13	23.14	5.357	29.51	0
4/23/2018 2:00	3.596	23.6	13.01	5.099	29.49	0
4/23/2018 2:15	2.46	21.25	19.67	5.285	29.49	0
4/23/2018 2:30	3.502	41.8	13.42	5.044	29.49	0
4/23/2018 2:45	2.516	54.38	9.96	5.137	29.49	0
4/23/2018 3:00	1.762	104.1	34.33	5.094	29.5	0
4/23/2018 3:15	2.692	164.5	1.386	5.608	29.5	0
4/23/2018 3:30	0.958	164.9	0.028	5.518	29.5	0
4/23/2018 3:45	0.209	165	0.025	5.464	29.5	0
4/23/2018 4:00	1.578	240.4	28.2	5.196	29.51	0
4/23/2018 4:15	1.683	246.2	19.18	4.831	29.51	0
4/23/2018 4:30	0.262	40.54	0.398	4.53	29.51	0
4/23/2018 4:45	1.093	40.77	0.125	4.595	29.51	0
4/23/2018 5:00	0.878	40.59	0.16	4.428	29.48	0
4/23/2018 5:15	2.241	0.523	13.99	4.706	29.48	0
4/23/2018 5:30	2.014	354.9	5.664	4.375	29.48	0
4/23/2018 5:45	2.395	26.37	12.45	3.995	29.48	0
4/23/2018 6:00	2.39	53.97	5.411	4.409	29.52	0
4/23/2018 6:15	3.144	34.4	8.71	4.311	29.52	0
4/23/2018 6:30	4.369	28.04	7.334	4.348	29.52	0
4/23/2018 6:45	6.276	25.77	7.275	4.372	29.52	0
4/23/2018 7:00	5.904	19.86	8.18	5.073	29.51	0
4/23/2018 7:15	3.873	25.15	8.84	6.106	29.51	0
4/23/2018 7:30	2.82	43.72	11.96	6.821	29.51	0
4/23/2018 7:45	1.797	15.79	15.81	7.668	29.51	0
4/23/2018 8:00	2.683	5.141	17.96	7.962	29.53	0
4/23/2018 8:15	1.949	40.95	25.11	9.2	29.53	0
4/23/2018 8:30	2.92	36.33	16.08	9.66	29.53	0
4/23/2018 8:45	3.133	31.1	17.41	9.95	29.53	0
4/23/2018 9:00	2.835	25.83	17.25	10.55	29.52	0
4/23/2018 9:15	2.379	24.08	17.48	11.56	29.52	0
4/23/2018 9:30	3.378	32.92	18.16	11.75	29.52	0
4/23/2018 9:45	2.937	5.125	21.38	13	29.52	0
4/23/2018 10:00	1.941	6.08	27.98	14.22	29.5	0
4/23/2018 10:15	3.014	25.16	33.73	15.1	29.5	0
4/23/2018 10:30	3.067	32.46	13.57	15.11	29.5	0
4/23/2018 10:45	5.454	22.38	13.88	15.84	29.5	0
4/23/2018 11:00	7.184	20.72	14.2	16.43	29.49	0
4/23/2018 11:15	7.296	16.62	16.67	16.92	29.49	0
4/23/2018 11:30	5.984	15.26	15.29	17.61	29.49	0
4/23/2018 11:45	6.939	11.57	16.04	18.09	29.49	0
4/23/2018 12:00	6.789	21.43	26.25	18.83	29.44	0
4/23/2018 12:15	9.4	33.4	11.72	19.07	29.44	0
4/23/2018 12:30	6.66	47.69	26.93	19.92	29.44	0
4/23/2018 12:45	5.439	100.6	34.54	20.57	29.44	0
4/23/2018 13:00	7.007	64.24	27.98	20.75	29.44	0
4/23/2018 13:15	6.524	20.9	33.11	20.65	29.44	0
4/23/2018 13:30	9.1	38.14	18.11	20.85	29.44	0
4/23/2018 13:45	7.595	16.73	31.84	20.95	29.44	0
4/23/2018 14:00	6.717	52.2	31.53	21.43	29.41	0
4/23/2018 14:15	6.783	77.62	25.11	21.53	29.41	0
4/23/2018 14:30	7.989	30.83	23.81	21.37	29.41	0
4/23/2018 14:45	5.512	34.82	36.82	21.6	29.41	0
4/23/2018 15:00	3.464	79.86	55.79	22.27	29.41	0
4/23/2018 15:15	5.852	68.06	43.67	21.84	29.41	0
4/23/2018 15:30	4.098	355.5	58.1	22.12	29.41	0
4/23/2018 15:45	10.31	15.22	17.53	21.18	29.41	0
4/23/2018 16:00	13.06	18.14	14.21	20.74	29.39	0
4/23/2018 16:15	11.9	9.87	16.56	20.43	29.39	0

4/23/2018 16:30	11.07	14.46	24.38	20.34	29.39	0
4/23/2018 16:45	7.993	36	30.69	20.09	29.39	0
4/23/2018 17:00	6.565	41.23	22.58	19.82	29.4	0
4/23/2018 17:15	6.591	48.32	19.73	19.5	29.4	0
4/23/2018 17:30	10.92	17.27	16.11	19.1	29.4	0
4/23/2018 17:45	15.19	14.05	13.06	18.79	29.4	0
4/23/2018 18:00	12.74	14.14	12.09	18.45	29.39	0
4/23/2018 18:15	9.46	28.81	18.56	18.1	29.39	0
4/23/2018 18:30	10.23	26.19	10.05	17.67	29.39	0
4/23/2018 18:45	8.29	25.73	16.08	17.39	29.39	0
4/23/2018 19:00	10.34	29.22	10.61	17.16	29.39	0
4/23/2018 19:15	7.668	41.14	13.16	16.78	29.39	0
4/23/2018 19:30	6.52	52.76	22.06	16.77	29.39	0
4/23/2018 19:45	6.633	62.06	21.28	16.41	29.39	0
4/23/2018 20:00	11.2	79.16	24.64	17.35	29.38	0
4/23/2018 20:15	13.79	89.2	21.04	18.09	29.38	0
4/23/2018 20:30	14.63	92.3	17.29	18.12	29.38	0
4/23/2018 20:45	13.78	99.2	17.2	18.03	29.38	0
4/23/2018 21:00	9.34	98.7	15.1	17.81	29.4	0
4/23/2018 21:15	5.701	99.1	16.04	17.35	29.4	0
4/23/2018 21:30	5.803	87.1	17.51	17.04	29.4	0
4/23/2018 21:45	4.163	108.9	16.46	17	29.4	0
4/23/2018 22:00	2.521	80.3	22.1	17.08	29.41	0
4/23/2018 22:15	5.416	82.3	9.92	16.77	29.41	0
4/23/2018 22:30	7.163	95	18.96	16.81	29.41	0
4/23/2018 22:45	4.903	88.3	31.41	17.06	29.41	0
4/23/2018 23:00	2.46	49.71	51.51	16.87	29.42	0
4/23/2018 23:15	4.437	25.45	36.2	16.4	29.42	0
4/23/2018 23:30	4.444	52.46	17.55	15.82	29.42	0
4/23/2018 23:45	4.146	53.64	13.52	15.87	29.42	0
4/24/2018 0:00	2.118	346.7	49.17	15.51	29.39	0
4/24/2018 0:15	2.968	329	33.84	15.77	29.39	0
4/24/2018 0:30	2.561	22.26	23.75	16.46	29.39	0
4/24/2018 0:45	4.72	9.56	11.13	15.48	29.39	0
4/24/2018 1:00	3.808	13.53	22.16	14.91	29.4	0
4/24/2018 1:15	2.293	5.48	54.05	15.37	29.4	0
4/24/2018 1:30	3.588	66.26	40.42	16.15	29.4	0
4/24/2018 1:45	5.051	72.93	24.76	15.54	29.4	0
4/24/2018 2:00	2.314	69.22	39.95	15.38	29.37	0
4/24/2018 2:15	2.271	12.14	45.97	15.63	29.37	0
4/24/2018 2:30	2.483	78.44	50.97	15.95	29.37	0
4/24/2018 2:45	3.907	91.8	36.92	16.12	29.37	0
4/24/2018 3:00	5.206	73.65	22.37	16.01	29.39	0
4/24/2018 3:15	8.01	96.8	19.26	15.91	29.39	0
4/24/2018 3:30	6.005	96.2	15.63	15.4	29.39	0
4/24/2018 3:45	9.29	100.2	10.09	15.7	29.39	0
4/24/2018 4:00	8.42	105.5	8.31	16.39	29.36	0
4/24/2018 4:15	7.282	98.9	15.6	16.26	29.36	0
4/24/2018 4:30	4.404	67.69	25.23	15.26	29.36	0
4/24/2018 4:45	7.039	99.5	25.2	15.91	29.36	0
4/24/2018 5:00	4.612	81.9	32.18	15.24	29.38	0
4/24/2018 5:15	4.178	110.9	36.62	15.65	29.38	0
4/24/2018 5:30	5.653	101.4	11.65	16.21	29.38	0
4/24/2018 5:45	9.28	104.8	14.5	16.51	29.38	0
4/24/2018 6:00	11.4	107.1	13.32	16.86	29.38	0
4/24/2018 6:15	11.41	102.7	15.58	17.28	29.38	0
4/24/2018 6:30	12.9	97.8	15.23	17.69	29.38	0
4/24/2018 6:45	12.71	102.6	18.98	18.27	29.38	0
4/24/2018 7:00	11.15	101.6	17.8	18.47	29.36	0

4/24/2018 7:15	8.71	88.6	26.39	18.75	29.36	0
4/24/2018 7:30	10.8	102.9	19.48	19.19	29.36	0
4/24/2018 7:45	11.88	110.6	15.29	19.29	29.36	0
4/24/2018 8:00	11.79	109.8	15.94	19.61	29.36	0
4/24/2018 8:15	10.83	107.6	19.98	19.76	29.36	0
4/24/2018 8:30	8.7	128.7	13.28	20.22	29.36	0
4/24/2018 8:45	10.06	121.3	20.6	20.65	29.36	0
4/24/2018 9:00	12.69	120.1	16.11	20.74	29.37	0
4/24/2018 9:15	11.78	111.9	17.01	21.01	29.37	0
4/24/2018 9:30	14.58	103.1	16.7	21.12	29.37	0
4/24/2018 9:45	15.37	112.7	17.66	21.21	29.37	0
4/24/2018 10:00	17.24	106.3	14.45	21.07	29.35	0
4/24/2018 10:15	13.18	114.2	20.23	21.53	29.35	0
4/24/2018 10:30	14.44	91.9	16.1	21.53	29.35	0
4/24/2018 10:45	13.56	109.7	18.33	21.82	29.35	0
4/24/2018 11:00	12.96	99	17.94	22.22	29.34	0
4/24/2018 11:15	11.54	107.9	19.49	22.45	29.34	0
4/24/2018 11:30	11.8	105.2	20.37	22.59	29.34	0
4/24/2018 11:45	13.49	108.6	23.42	22.68	29.34	0
4/24/2018 12:00	13.08	109.9	18.82	22.89	29.32	0
4/24/2018 12:15	12.82	90.3	17.72	22.81	29.32	0
4/24/2018 12:30	12	90.7	25.25	23.15	29.32	0
4/24/2018 12:45	12.61	72.75	22.06	23.62	29.32	0
4/24/2018 13:00	14.94	60.26	14.15	23.55	29.29	0
4/24/2018 13:15	11.04	84.4	22.68	24.17	29.29	0
4/24/2018 13:30	11.07	93	24.7	24.37	29.29	0
4/24/2018 13:45	8.79	90.6	25.93	24.45	29.29	0
4/24/2018 14:00	9.66	108.9	19.27	24.61	29.29	0
4/24/2018 14:15	7.535	94.9	28.58	24.68	29.29	0
4/24/2018 14:30	8.83	119.8	13.07	24.84	29.29	0
4/24/2018 14:45	8.04	130	38.82	24.77	29.29	0
4/24/2018 15:00	7.453	118.2	26.6	24.88	29.25	0
4/24/2018 15:15	5.774	126.7	27.04	25.01	29.25	0
4/24/2018 15:30	3.372	125.2	48.13	25.32	29.25	0
4/24/2018 15:45	4.859	128.7	41.59	25.18	29.25	0
4/24/2018 16:00	4.48	180.3	59.05	25.56	29.23	0
4/24/2018 16:15	5.505	106.2	29.69	25.09	29.23	0
4/24/2018 16:30	7.454	68.18	24.87	24.81	29.23	0
4/24/2018 16:45	7.308	15.84	13.45	24.36	29.23	0
4/24/2018 17:00	8.07	24.51	15.59	23.86	29.24	0
4/24/2018 17:15	8.56	10.45	14.34	23.6	29.24	0
4/24/2018 17:30	9.87	4.328	15.54	23.37	29.24	0
4/24/2018 17:45	10.31	1.679	15.06	22.92	29.24	0
4/24/2018 18:00	10.63	16.42	9.79	22.43	29.22	0
4/24/2018 18:15	8.89	18.86	9.02	21.89	29.22	0
4/24/2018 18:30	10.74	14.21	9.07	21.25	29.22	0
4/24/2018 18:45	9.35	28.5	13.5	20.73	29.22	0
4/24/2018 19:00	6.889	29.88	11.45	19.97	29.21	0
4/24/2018 19:15	6.53	48.9	14.7	19.77	29.21	0
4/24/2018 19:30	8.48	35.38	12.98	19.51	29.21	0
4/24/2018 19:45	8.44	24.61	9.4	19.11	29.21	0
4/24/2018 20:00	7.128	26.69	9.02	18.62	29.21	0
4/24/2018 20:15	9.15	15.75	10.5	17.96	29.21	0
4/24/2018 20:30	8.77	6.366	11.59	17.78	29.21	0
4/24/2018 20:45	9.48	15.7	8.84	17.48	29.21	0
4/24/2018 21:00	9.31	14.23	8.57	17.11	29.25	0
4/24/2018 21:15	10.03	17.71	8.57	16.93	29.25	0
4/24/2018 21:30	9.95	22.94	9.67	16.35	29.25	0
4/24/2018 21:45	10.96	23.49	9.74	15.66	29.25	0

4/24/2018 22:00	9.55	23.43	8.95	15.27	29.24	0
4/24/2018 22:15	11.75	20.32	7.541	15.07	29.24	0
4/24/2018 22:30	11.38	25.8	8.56	14.93	29.24	0
4/24/2018 22:45	10.66	22.7	10	14.66	29.24	0
4/24/2018 23:00	8.1	21.03	9.05	14.48	29.25	0
4/24/2018 23:15	8.22	27.86	6.635	14.12	29.25	0
4/24/2018 23:30	8.99	15.89	9.99	13.98	29.25	0
4/24/2018 23:45	9.7	23.27	10.84	13.76	29.25	0
4/25/2018 0:00	9.59	20.75	9.56	13.41	29.25	0
4/25/2018 0:15	8.95	25	8.47	13.01	29.25	0
4/25/2018 0:30	8.23	30.56	9.27	12.84	29.25	0
4/25/2018 0:45	8.75	31.35	8.71	12.61	29.25	0
4/25/2018 1:00	6.883	26.48	8.83	12.32	29.25	0
4/25/2018 1:15	3.361	28.9	2.463	12.03	29.25	0
4/25/2018 1:30	3.57	22.67	6.189	11.7	29.25	0
4/25/2018 1:45	6.936	16.94	6.4	11.55	29.25	0
4/25/2018 2:00	5.906	31.96	10.41	11.09	29.25	0
4/25/2018 2:15	5.43	32.61	10.2	10.56	29.25	0
4/25/2018 2:30	4.383	31.32	8.99	10.68	29.25	0
4/25/2018 2:45	4.768	24.9	6.123	10.85	29.25	0
4/25/2018 3:00	5.04	22.42	6.274	10.53	29.25	0
4/25/2018 3:15	4.612	18.48	9.07	10.25	29.25	0
4/25/2018 3:30	5.091	5.168	15.43	10.28	29.25	0
4/25/2018 3:45	3.674	28.15	12.53	10.47	29.25	0
4/25/2018 4:00	5.037	5.837	14.22	9.89	29.24	0
4/25/2018 4:15	5.426	13.92	9.79	9.72	29.24	0
4/25/2018 4:30	5.46	24.81	9.08	9.34	29.24	0
4/25/2018 4:45	6.01	35.47	7.847	8.9	29.24	0
4/25/2018 5:00	6.778	34.94	8.59	8.79	29.26	0
4/25/2018 5:15	6.86	34.93	8.96	8.4	29.26	0
4/25/2018 5:30	7.04	40.59	7.241	8.55	29.26	0
4/25/2018 5:45	5.26	18.92	7.251	8.84	29.26	0
4/25/2018 6:00	4.275	18.5	8.8	9.65	29.27	0
4/25/2018 6:15	3.295	13.55	7.48	10.35	29.27	0
4/25/2018 6:30	3.991	20.14	7.653	10.3	29.27	0
4/25/2018 6:45	3.838	23.73	5.557	10.6	29.27	0
4/25/2018 7:00	4.348	35.07	9.56	11.59	29.29	0
4/25/2018 7:15	5.043	25.94	9.47	10.89	29.29	0
4/25/2018 7:30	3.731	36.02	9.5	11.18	29.29	0
4/25/2018 7:45	3.956	29.87	7.845	12.06	29.29	0
4/25/2018 8:00	3.774	24.83	10.44	12.77	29.28	0
4/25/2018 8:15	1.996	40.93	20.48	13.7	29.28	0
4/25/2018 8:30	2.236	40.04	18.75	14.32	29.28	0
4/25/2018 8:45	0.95	31.91	16.56	15.24	29.28	0
4/25/2018 9:00	2.706	29.52	14.49	15.24	29.3	0
4/25/2018 9:15	3.517	27.31	16.75	15.51	29.3	0
4/25/2018 9:30	4.421	27.17	19.32	16.12	29.3	0
4/25/2018 9:45	4.179	34.58	8.65	16.38	29.3	0
4/25/2018 10:00	3.948	31.96	13.68	17.16	29.3	0
4/25/2018 10:15	3.518	38.7	17.72	18.17	29.3	0
4/25/2018 10:30	2.876	16.47	31.25	18.99	29.3	0
4/25/2018 10:45	4.688	35.28	17.93	19.38	29.3	0
4/25/2018 11:00	5.744	33.24	15.22	19.8	29.27	0
4/25/2018 11:15	6.269	311.3	64.7	20.05	29.27	0
4/25/2018 11:30	5.733	266.1	11.99	20.38	29.27	0
4/25/2018 11:45	6.15	17.42	33.99	20.89	29.27	0
4/25/2018 12:00	8.46	22.24	12.82	20.75	29.27	0
4/25/2018 12:15	10.54	26.23	9.42	20.86	29.27	0
4/25/2018 12:30	9.61	18.76	18.6	21.33	29.27	0

4/25/2018 12:45	9.4	13.06	23.37	21.72	29.27	0
4/25/2018 13:00	11.01	23.56	12.16	21.57	29.26	0
4/25/2018 13:15	12.25	26.23	10	21.74	29.26	0
4/25/2018 13:30	11.38	24.04	12.75	22.12	29.26	0
4/25/2018 13:45	11.23	16.67	13.25	22.37	29.26	0
4/25/2018 14:00	11.17	18.19	13.13	22.58	29.27	0
4/25/2018 14:15	11.34	17.92	9.95	22.79	29.27	0
4/25/2018 14:30	11.28	14.27	16.46	23.01	29.27	0
4/25/2018 14:45	11.46	6.721	15.12	23.21	29.27	0
4/25/2018 15:00	11.68	10.79	13.09	23.25	29.25	0
4/25/2018 15:15	11.04	8.92	15.41	23.43	29.25	0
4/25/2018 15:30	11.08	354.4	17.91	23.89	29.25	0
4/25/2018 15:45	9.38	342.5	21.72	24.03	29.25	0
4/25/2018 16:00	8.56	338	19.76	24.2	29.23	0
4/25/2018 16:15	8.39	339.3	14.14	24.2	29.23	0
4/25/2018 16:30	10.4	351.4	15.6	23.76	29.23	0
4/25/2018 16:45	8.29	346.8	21.43	23.54	29.23	0
4/25/2018 17:00	7.443	355.9	20.8	23.21	29.23	0
4/25/2018 17:15	6.789	358.4	15.17	22.96	29.23	0
4/25/2018 17:30	7.076	344.3	19.95	22.72	29.23	0
4/25/2018 17:45	6.329	331	16.61	22.29	29.23	0
4/25/2018 18:00	5.774	347.4	21.29	21.79	29.22	0
4/25/2018 18:15	7.617	349.5	13.69	21.32	29.22	0
4/25/2018 18:30	8.11	350.9	16.12	21.41	29.22	0
4/25/2018 18:45	6.173	6.177	17.93	21.05	29.22	0
4/25/2018 19:00	6.218	22.08	15.22	20.39	29.22	0
4/25/2018 19:15	8.9	17.44	9.12	20.12	29.22	0
4/25/2018 19:30	7.264	29.36	6.445	19.39	29.22	0
4/25/2018 19:45	7.658	28.78	10.05	19	29.22	0
4/25/2018 20:00	7.897	27.42	12.92	18.68	29.21	0
4/25/2018 20:15	9.08	25.93	8.43	18.7	29.21	0
4/25/2018 20:30	6.424	30.62	9.56	18.03	29.21	0
4/25/2018 20:45	8.78	28.91	6.977	17.35	29.21	0
4/25/2018 21:00	8.19	31.12	8.65	16.94	29.24	0
4/25/2018 21:15	7.964	29.21	9.77	16.62	29.24	0
4/25/2018 21:30	7.446	21.38	7.578	16.28	29.24	0
4/25/2018 21:45	5.142	21.9	5.396	15.69	29.24	0
4/25/2018 22:00	5.416	19.5	6.896	15.35	29.23	0
4/25/2018 22:15	6.744	25.8	8.78	14.99	29.23	0
4/25/2018 22:30	7.185	38.5	8.6	14.58	29.23	0
4/25/2018 22:45	7.084	30.1	7.782	14.2	29.23	0
4/25/2018 23:00	6.519	19.09	6.312	14.03	29.24	0
4/25/2018 23:15	5.493	20.98	6.073	14	29.24	0
4/25/2018 23:30	6.63	16.9	6.38	13.76	29.24	0
4/25/2018 23:45	5.622	21.38	7.565	13.65	29.24	0
4/26/2018 0:00	4.446	22.34	5.011	13.17	29.22	0
4/26/2018 0:15	4.256	16.45	8.96	13.11	29.22	0
4/26/2018 0:30	5.062	28.08	7.956	13.18	29.22	0
4/26/2018 0:45	3.83	24.2	10.52	12.81	29.22	0
4/26/2018 1:00	4.512	21.98	5.132	12.69	29.24	0
4/26/2018 1:15	3.966	9.86	4.273	13.07	29.24	0
4/26/2018 1:30	4.103	26.31	7.075	13.5	29.24	0
4/26/2018 1:45	4.312	30.13	4.728	13.14	29.24	0
4/26/2018 2:00	5.226	29.86	4.898	12.63	29.23	0
4/26/2018 2:15	5.525	34.68	5.092	12.19	29.23	0
4/26/2018 2:30	6.596	22.83	9.52	11.45	29.23	0
4/26/2018 2:45	6.695	20.01	6.098	11.1	29.23	0
4/26/2018 3:00	5.751	26.33	8.43	10.93	29.23	0
4/26/2018 3:15	5.558	16.61	8.5	11.61	29.23	0

4/26/2018 3:30	4.371	14.88	6.342	10.9	29.23	0
4/26/2018 3:45	2.112	26.85	15.63	10.98	29.23	0
4/26/2018 4:00	4.903	40.17	10.77	11.48	29.21	0
4/26/2018 4:15	5.664	21.85	8.98	10.02	29.21	0
4/26/2018 4:30	7.058	14.48	8.57	10.54	29.21	0
4/26/2018 4:45	4.581	9.96	16.51	10.4	29.21	0
4/26/2018 5:00	5.089	11.02	12.44	10.52	29.19	0
4/26/2018 5:15	4.482	15.01	7.955	10.53	29.19	0
4/26/2018 5:30	3.022	14.05	8.67	10.54	29.19	0
4/26/2018 5:45	3.765	15.62	4.195	10.97	29.19	0
4/26/2018 6:00	3.166	12.79	2.093	12.31	29.2	0
4/26/2018 6:15	2.995	11.44	8.2	12.47	29.2	0
4/26/2018 6:30	2.344	29.36	12.55	12.61	29.2	0
4/26/2018 6:45	2.697	32.83	6.829	11.69	29.2	0
4/26/2018 7:00	2.08	51.21	4.854	12.31	29.2	0
4/26/2018 7:15	2.783	32.69	15.55	11.61	29.2	0
4/26/2018 7:30	3.052	43.21	6.422	11.98	29.2	0
4/26/2018 7:45	1.19	44.12	12.92	13.48	29.2	0
4/26/2018 8:00	2.098	337	26.53	15	29.19	0
4/26/2018 8:15	3.137	328.3	11.97	15.81	29.19	0
4/26/2018 8:30	2.514	338.3	32.33	16.84	29.19	0
4/26/2018 8:45	3.071	231.2	22.98	17.35	29.19	0
4/26/2018 9:00	2.327	10.53	47	18.27	29.2	0
4/26/2018 9:15	2.183	24.31	11.52	18.37	29.2	0
4/26/2018 9:30	2.698	16.71	14.66	19.05	29.2	0
4/26/2018 9:45	3.138	9.84	21.25	19.73	29.2	0
4/26/2018 10:00	2.193	24.16	25.11	20.57	29.2	0
4/26/2018 10:15	2.06	12.76	14.95	21.03	29.2	0
4/26/2018 10:30	5.865	275.7	13.04	21.47	29.2	0
4/26/2018 10:45	5.492	285.1	14.76	21.92	29.2	0
4/26/2018 11:00	4.931	281	16.43	22.31	29.17	0
4/26/2018 11:15	4.869	287.5	13.58	22.89	29.17	0
4/26/2018 11:30	3.316	305.6	25.14	23.32	29.17	0
4/26/2018 11:45	2.564	6.309	32.44	23.92	29.17	0
4/26/2018 12:00	2.852	337.2	47.93	24.69	29.16	0
4/26/2018 12:15	4.445	298.2	40.77	24.93	29.16	0
4/26/2018 12:30	3.172	306.8	33.49	25.96	29.16	0
4/26/2018 12:45	3.954	345.3	57.46	25.88	29.16	0
4/26/2018 13:00	4.885	329	36.97	26.52	29.14	0
4/26/2018 13:15	4.68	341.1	49.16	27.03	29.14	0
4/26/2018 13:30	4.923	7.259	23.5	27.11	29.14	0
4/26/2018 13:45	6.479	282.1	19.68	27.27	29.14	0
4/26/2018 14:00	6.65	15.65	27.36	27.38	29.13	0
4/26/2018 14:15	8.47	22.25	11.55	27.3	29.13	0
4/26/2018 14:30	8.7	23.94	11.45	27.53	29.13	0
4/26/2018 14:45	7.386	12.63	16.79	27.84	29.13	0
4/26/2018 15:00	6.867	6.076	16.83	28.26	29.1	0
4/26/2018 15:15	8.23	14.84	16.36	28.19	29.1	0
4/26/2018 15:30	8.03	11.47	14.68	28.51	29.1	0
4/26/2018 15:45	7.404	8.32	12.47	28.65	29.1	0
4/26/2018 16:00	7.791	9.03	7.978	28.5	29.07	0
4/26/2018 16:15	9.12	358.8	15.51	28.63	29.07	0
4/26/2018 16:30	8.48	347.1	18.19	28.62	29.07	0
4/26/2018 16:45	8.63	359	19.15	28.11	29.07	0
4/26/2018 17:00	9.24	6	16.7	27.53	29.05	0
4/26/2018 17:15	9.36	1.425	16.2	27.36	29.05	0
4/26/2018 17:30	10.22	3.525	14.37	26.78	29.05	0
4/26/2018 17:45	9.43	2.689	13.75	26.32	29.05	0
4/26/2018 18:00	9.41	2.923	17.39	25.91	29.04	0

4/26/2018 18:15	9.29	4.303	12.78	25.35	29.04	0
4/26/2018 18:30	11.14	7.094	13.64	25	29.04	0
4/26/2018 18:45	10.47	7.929	14.47	24.8	29.04	0
4/26/2018 19:00	9.09	13.87	11.5	24.31	29.05	0
4/26/2018 19:15	7.651	14.1	15.67	23.8	29.05	0
4/26/2018 19:30	9.41	11.8	11.71	23.48	29.05	0
4/26/2018 19:45	10.69	5.983	14.22	23.17	29.05	0
4/26/2018 20:00	9.78	8.84	16.55	22.79	29.04	0
4/26/2018 20:15	9.25	16.26	13.45	22.42	29.04	0
4/26/2018 20:30	8.56	17.83	9.5	21.81	29.04	0
4/26/2018 20:45	8.97	20.24	9.52	21.39	29.04	0
4/26/2018 21:00	8.12	20.12	8.32	21.1	29.05	0
4/26/2018 21:15	7.138	27	10.01	20.09	29.05	0
4/26/2018 21:30	7.312	32.64	9.14	19.73	29.05	0
4/26/2018 21:45	7.505	32.33	9.07	19.05	29.05	0
4/26/2018 22:00	4.845	41.32	9.42	18.46	29.04	0
4/26/2018 22:15	5.66	48.86	13.55	17.99	29.04	0
4/26/2018 22:30	3.31	161.6	28.28	17.6	29.04	0
4/26/2018 22:45	6.396	178.1	6.418	16.45	29.04	0
4/26/2018 23:00	6.056	162	11.67	15.61	29.08	0
4/26/2018 23:15	5.935	154.8	15.85	15.16	29.08	0
4/26/2018 23:30	8.58	192.7	8.56	14.5	29.08	0
4/26/2018 23:45	9.02	202.7	4.662	14.06	29.08	0
4/27/2018 0:00	8.21	185.8	9.97	13.44	29.11	0
4/27/2018 0:15	7.794	192	13.17	12.69	29.11	0
4/27/2018 0:30	6.263	199.4	7.928	12.24	29.11	0
4/27/2018 0:45	4.438	175.9	12.25	11.71	29.11	0
4/27/2018 1:00	4.339	199	9.17	11.63	29.08	0
4/27/2018 1:15	3.742	198.4	9.4	11.4	29.08	0
4/27/2018 1:30	2.185	179.1	19.41	11.19	29.08	0
4/27/2018 1:45	1.449	201.3	0.249	11.19	29.08	0
4/27/2018 2:00	1.338	2.71	35.59	11.19	29.06	0
4/27/2018 2:15	4.146	208.8	9.54	11.34	29.06	0
4/27/2018 2:30	4.871	234.2	2.918	10.88	29.06	0
4/27/2018 2:45	5.49	225.4	4.111	10.43	29.06	0
4/27/2018 3:00	4.377	221.3	2.908	9.94	29.08	0
4/27/2018 3:15	3.339	213.9	3.268	9.91	29.08	0
4/27/2018 3:30	3.539	221.3	7.401	9.74	29.08	0
4/27/2018 3:45	1.081	209.8	15.13	9.59	29.08	0
4/27/2018 4:00	3.39	200	11.65	9.26	29.08	0
4/27/2018 4:15	3.982	201.2	4.942	8.96	29.08	0
4/27/2018 4:30	3.861	180.8	7.404	8.95	29.08	0
4/27/2018 4:45	5.46	179.2	8.37	8.84	29.08	0
4/27/2018 5:00	4.26	161.1	21.47	8.59	29.06	0
4/27/2018 5:15	4.641	185.6	20.51	8.55	29.06	0
4/27/2018 5:30	5.804	201	6.015	8.67	29.06	0
4/27/2018 5:45	6.73	194.6	6.287	8.65	29.06	0
4/27/2018 6:00	6.707	189.2	5.736	8.6	29.09	0
4/27/2018 6:15	4.584	186.6	9.6	8.72	29.09	0
4/27/2018 6:30	5.431	192.8	8.05	8.7	29.09	0
4/27/2018 6:45	6.457	200.3	8.74	8.76	29.09	0
4/27/2018 7:00	6.235	189.6	12.49	8.69	29.08	0
4/27/2018 7:15	6.676	160.6	11.28	8.76	29.08	0
4/27/2018 7:30	8.23	166.9	11.27	8.73	29.08	0
4/27/2018 7:45	7.184	174.7	10.43	8.8	29.08	0
4/27/2018 8:00	7.396	177.3	9.07	8.84	29.1	0
4/27/2018 8:15	7.892	186.4	13.94	8.96	29.1	0
4/27/2018 8:30	7.595	191.2	7.434	9.08	29.1	0
4/27/2018 8:45	7.286	184.7	7.352	9.2	29.1	0

4/27/2018 9:00	8.15	176.2	10.2	9.44	29.11	0
4/27/2018 9:15	8.35	183.8	8.45	9.62	29.11	0
4/27/2018 9:30	8.84	182.6	8.12	9.78	29.11	0
4/27/2018 9:45	6.066	187.3	10.18	9.83	29.11	0
4/27/2018 10:00	6.217	196.6	7.84	9.98	29.1	0
4/27/2018 10:15	7.217	191	10.04	10.12	29.1	0
4/27/2018 10:30	5.762	173.8	13.33	10.43	29.1	0
4/27/2018 10:45	3.113	351.4	56.45	10.55	29.1	0
4/27/2018 11:00	2.32	15.56	16.92	10.74	29.1	0
4/27/2018 11:15	2.766	2.081	26.92	10.93	29.1	0
4/27/2018 11:30	4.182	253.5	83.5	11.05	29.1	0
4/27/2018 11:45	7.529	180.2	11.82	11.25	29.1	0
4/27/2018 12:00	7.334	170.9	11.4	11.5	29.11	0
4/27/2018 12:15	8.21	166.2	12.32	11.58	29.11	0
4/27/2018 12:30	7.389	171.7	18.43	11.7	29.11	0
4/27/2018 12:45	5.431	146.9	54.47	11.78	29.11	0
4/27/2018 13:00	6.28	161.5	29.86	11.73	29.12	0
4/27/2018 13:15	8.97	216.1	10.44	12.03	29.12	0
4/27/2018 13:30	9.58	201.3	13.75	12.26	29.12	0
4/27/2018 13:45	9.57	192.9	15.67	12.32	29.12	0
4/27/2018 14:00	9.92	191.2	11.86	12.41	29.11	0
4/27/2018 14:15	8.69	225.7	20.25	12.39	29.11	0
4/27/2018 14:30	7.464	245.2	11.02	12.09	29.11	0
4/27/2018 14:45	7.194	254	10.49	11.77	29.11	0
4/27/2018 15:00	8.02	238.2	17.25	11.7	29.14	0
4/27/2018 15:15	7.848	217.4	9.49	11.8	29.14	0
4/27/2018 15:30	10.02	193.9	10.26	11.98	29.14	0
4/27/2018 15:45	11.08	204.5	17.63	12.19	29.14	0
4/27/2018 16:00	10.14	241	12.24	11.88	29.15	0
4/27/2018 16:15	10.46	232.1	11.88	11.78	29.15	0
4/27/2018 16:30	12.85	232.8	10.24	11.65	29.15	0
4/27/2018 16:45	10.47	224.9	8.3	11.64	29.15	0
4/27/2018 17:00	7.311	251.2	12.66	11.46	29.15	0
4/27/2018 17:15	9.1	238.9	9.33	11.29	29.15	0
4/27/2018 17:30	7.803	240.2	10.76	11.03	29.15	0
4/27/2018 17:45	6.468	217.9	9.88	11.07	29.15	0
4/27/2018 18:00	6.016	213.7	12.04	11.23	29.15	0
4/27/2018 18:15	10.25	199.6	11.38	11.36	29.15	0
4/27/2018 18:30	10.51	196.6	13.89	11.28	29.15	0
4/27/2018 18:45	9.07	189	10.35	11.17	29.15	0
4/27/2018 19:00	7.911	184.3	16.01	10.98	29.17	0
4/27/2018 19:15	9.49	184.5	7.273	10.81	29.17	0
4/27/2018 19:30	8.28	182.1	9.58	10.69	29.17	0
4/27/2018 19:45	8.66	159.5	12.31	10.44	29.17	0
4/27/2018 20:00	8.4	150.2	7.163	10.21	29.18	0
4/27/2018 20:15	6.828	140.5	8.36	10.03	29.18	0
4/27/2018 20:30	4.576	136.6	10.68	9.83	29.18	0
4/27/2018 20:45	4.486	148.4	7.675	9.75	29.18	0
4/27/2018 21:00	5.589	139.2	6.89	9.71	29.18	0
4/27/2018 21:15	5.582	143.5	13.17	9.72	29.18	0
4/27/2018 21:30	4.914	145.2	15.18	9.7	29.18	0
4/27/2018 21:45	2.796	111.5	39.06	9.55	29.18	0
4/27/2018 22:00	2.526	249	93.8	9.54	29.17	0
4/27/2018 22:15	7.184	175.8	15.11	9.42	29.17	0
4/27/2018 22:30	7.918	200.4	8.35	9.18	29.17	0.01
4/27/2018 22:45	5.119	189.8	13.76	8.92	29.17	0
4/27/2018 23:00	5.683	187	4.295	8.77	29.18	0
4/27/2018 23:15	5.71	183.5	6.498	8.63	29.18	0
4/27/2018 23:30	6.272	183.9	6.407	8.57	29.18	0

4/27/2018 23:45	5.209	187.9	11.28	8.58	29.18	0
4/28/2018 0:00	5.612	190.2	9.61	8.58	29.17	0
4/28/2018 0:15	6.788	194.8	6.672	8.46	29.17	0
4/28/2018 0:30	5.934	196.7	5.372	8.49	29.17	0
4/28/2018 0:45	7.204	186.3	7.344	8.38	29.17	0
4/28/2018 1:00	7.73	188.8	7.554	8.34	29.15	0
4/28/2018 1:15	6.964	186.5	13.02	8.36	29.15	0
4/28/2018 1:30	7.378	196.4	14.32	8.4	29.15	0
4/28/2018 1:45	6.756	195.4	10.01	8.35	29.15	0
4/28/2018 2:00	6.484	190.6	11.32	8.28	29.15	0
4/28/2018 2:15	5.433	190.7	6.865	8.21	29.15	0
4/28/2018 2:30	6.376	184.5	9.46	8.15	29.15	0
4/28/2018 2:45	5.539	187.9	8.54	8.07	29.15	0.01
4/28/2018 3:00	6.044	177.6	8.01	7.994	29.15	0
4/28/2018 3:15	4.798	175.7	9.7	7.874	29.15	0
4/28/2018 3:30	5.306	175.8	9.25	7.767	29.15	0.01
4/28/2018 3:45	6.363	177	7.896	7.712	29.15	0.01
4/28/2018 4:00	5.312	173.4	8.25	7.601	29.11	0
4/28/2018 4:15	6.452	162.6	13.52	7.481	29.11	0.01
4/28/2018 4:30	6.195	153.8	4.824	7.329	29.11	0
4/28/2018 4:45	6.228	147.5	7.105	7.299	29.11	0.01
4/28/2018 5:00	4.5	152.3	35.93	7.287	29.13	0.01
4/28/2018 5:15	4.159	168.7	7.868	7.281	29.13	0
4/28/2018 5:30	4.738	170.8	6.558	7.274	29.13	0.01
4/28/2018 5:45	4.73	169	8.24	7.278	29.13	0.01
4/28/2018 6:00	4.342	171.1	10.93	7.308	29.13	0.01
4/28/2018 6:15	4.167	177.7	12.05	7.367	29.13	0.01
4/28/2018 6:30	2.665	116.7	44.86	7.332	29.13	0.01
4/28/2018 6:45	4.226	164.5	49.23	7.474	29.13	0.01
4/28/2018 7:00	3.107	103.7	19.52	7.39	29.11	0.02
4/28/2018 7:15	8.75	152.2	10.38	7.447	29.11	0.02
4/28/2018 7:30	9.93	176.1	10.32	7.671	29.11	0.02
4/28/2018 7:45	10.57	182.8	9.44	7.691	29.11	0.01
4/28/2018 8:00	11.33	185.4	7.12	7.774	29.13	0.01
4/28/2018 8:15	9.82	179.9	9.09	7.836	29.13	0.02
4/28/2018 8:30	9.92	176.1	7.231	8.07	29.13	0.01
4/28/2018 8:45	9.31	178.4	8.61	8.17	29.13	0.01
4/28/2018 9:00	9.63	179.1	9.1	8.3	29.12	0
4/28/2018 9:15	9.67	181.9	7.946	8.34	29.12	0
4/28/2018 9:30	10.25	179.5	10.02	8.47	29.12	0
4/28/2018 9:45	9.08	195	10.21	8.4	29.12	0.01
4/28/2018 10:00	10.02	182.9	9.81	8.37	29.12	0.02
4/28/2018 10:15	9.47	198.2	16.06	8.41	29.12	0.02
4/28/2018 10:30	6.125	242.8	20.95	8.38	29.12	0.07
4/28/2018 10:45	8.51	233.6	14.6	8.39	29.12	0.01
4/28/2018 11:00	9.74	237.8	10.65	8.54	29.13	0.01
4/28/2018 11:15	9.27	234.8	10.17	8.82	29.13	0
4/28/2018 11:30	8.81	231.1	9.95	8.97	29.13	0.01
4/28/2018 11:45	9.18	244.5	11.17	9.32	29.13	0
4/28/2018 12:00	9.04	254.6	10.36	9.41	29.14	0
4/28/2018 12:15	6.439	264	13.33	9.49	29.14	0
4/28/2018 12:30	5.799	238.8	23.98	9.56	29.14	0
4/28/2018 12:45	6.329	236.7	15.62	10.01	29.14	0
4/28/2018 13:00	6.076	225.5	16.41	10.27	29.12	0
4/28/2018 13:15	5.811	178.7	20.89	9.99	29.12	0
4/28/2018 13:30	5.681	177.1	15.21	9.62	29.12	0
4/28/2018 13:45	4.552	127	11.24	9.86	29.12	0
4/28/2018 14:00	4.299	106.3	16.12	10.37	29.11	0
4/28/2018 14:15	4.688	132.2	28.29	10.52	29.11	0

4/28/2018 14:30	5.482	155	12.45	10.74	29.11	0
4/28/2018 14:45	4.629	153.1	15.25	10.67	29.11	0
4/28/2018 15:00	4.001	132	11.96	10.63	29.11	0
4/28/2018 15:15	5.01	142.9	8.87	10.61	29.11	0
4/28/2018 15:30	4.21	108.3	14.91	10.61	29.11	0
4/28/2018 15:45	4.215	95	7.317	10.67	29.11	0
4/28/2018 16:00	4.092	80.6	13.11	10.57	29.11	0
4/28/2018 16:15	4.012	76.96	16.46	10.69	29.11	0
4/28/2018 16:30	3.438	82.4	16.83	10.51	29.11	0.02
4/28/2018 16:45	2.313	157.6	37.33	10.35	29.11	0.06
4/28/2018 17:00	1.427	67.54	20.86	10.53	29.11	0
4/28/2018 17:15	2.467	30.87	50.02	10.98	29.11	0
4/28/2018 17:30	3.849	112.7	19.13	10.76	29.11	0
4/28/2018 17:45	4.144	138.8	11.07	10.43	29.11	0
4/28/2018 18:00	7.277	167.3	15.08	10.29	29.1	0
4/28/2018 18:15	8.48	187.1	8.76	9.91	29.1	0
4/28/2018 18:30	8.38	185.1	6.68	9.44	29.1	0
4/28/2018 18:45	7.127	185.4	6.459	9.21	29.1	0
4/28/2018 19:00	6.067	163.8	11.77	9	29.11	0
4/28/2018 19:15	4.775	142.6	7.558	8.8	29.11	0
4/28/2018 19:30	4.456	124.2	9.55	8.74	29.11	0
4/28/2018 19:45	2.657	88.2	14.1	8.63	29.11	0
4/28/2018 20:00	2.023	76.51	7.629	8.52	29.1	0
4/28/2018 20:15	2.33	98.2	3.539	8.67	29.1	0
4/28/2018 20:30	0.992	99.3	0.311	8.72	29.1	0
4/28/2018 20:45	0.42	99.2	0.148	8.83	29.1	0.01
4/28/2018 21:00	0.403	97.7	2.281	8.68	29.14	0
4/28/2018 21:15	1.003	84.9	5.431	8.48	29.14	0.01
4/28/2018 21:30	2.669	86.1	11.05	8.32	29.14	0.01
4/28/2018 21:45	2.884	84.5	5.413	8.26	29.14	0.01
4/28/2018 22:00	1.907	99.4	17.64	8.16	29.12	0
4/28/2018 22:15	2.97	136.7	3.487	8.1	29.12	0
4/28/2018 22:30	3.433	122.6	9.41	8.14	29.12	0
4/28/2018 22:45	2.796	109.4	9.49	8.11	29.12	0
4/28/2018 23:00	4.258	131.2	14.22	8.25	29.14	0
4/28/2018 23:15	6.112	165.8	11.42	8.42	29.14	0
4/28/2018 23:30	7.439	179.7	6.853	8.51	29.14	0
4/28/2018 23:45	8.39	179.8	5.992	8.47	29.14	0
4/29/2018 0:00	8.45	187.6	7.764	8.46	29.13	0
4/29/2018 0:15	8.01	188.2	8.06	8.41	29.13	0
4/29/2018 0:30	6.721	191.9	9.03	8.38	29.13	0
4/29/2018 0:45	5.141	188.7	8.82	8.32	29.13	0
4/29/2018 1:00	5.163	178.6	11.03	8.25	29.14	0
4/29/2018 1:15	4.96	163.3	17.79	8.18	29.14	0
4/29/2018 1:30	4.76	163.9	8.74	8.13	29.14	0
4/29/2018 1:45	5.113	166.2	10.66	8.1	29.14	0
4/29/2018 2:00	5.75	164.5	11.62	8.05	29.13	0
4/29/2018 2:15	5.818	167.8	18.34	7.975	29.13	0
4/29/2018 2:30	3.146	137.8	32.87	7.909	29.13	0
4/29/2018 2:45	2.472	133.5	31.8	7.839	29.13	0
4/29/2018 3:00	2.936	148	28.08	7.812	29.16	0
4/29/2018 3:15	5.823	197.3	7.386	7.854	29.16	0
4/29/2018 3:30	6.44	197.1	8.95	7.903	29.16	0
4/29/2018 3:45	5.525	183.3	8.88	7.784	29.16	0
4/29/2018 4:00	4.674	173.1	7.286	7.699	29.14	0
4/29/2018 4:15	4.013	158.3	8.71	7.601	29.14	0
4/29/2018 4:30	5.537	163.3	10	7.51	29.14	0
4/29/2018 4:45	6.564	170.8	8.32	7.468	29.14	0
4/29/2018 5:00	5.96	150.9	8.9	7.423	29.17	0

4/29/2018 5:15	5.165	135.1	5.785	7.408	29.17	0
4/29/2018 5:30	4.431	125.3	11.86	7.467	29.17	0
4/29/2018 5:45	4.104	135.9	5.831	7.555	29.17	0
4/29/2018 6:00	3.905	133.2	7.429	7.66	29.17	0
4/29/2018 6:15	5.377	138.3	7.731	7.794	29.17	0
4/29/2018 6:30	6.117	151.5	7.262	7.881	29.17	0
4/29/2018 6:45	4.81	146.2	6.945	7.983	29.17	0
4/29/2018 7:00	5.363	144	8.08	8.07	29.18	0
4/29/2018 7:15	5.339	145.2	11.33	8.25	29.18	0
4/29/2018 7:30	5.901	146.3	8.39	8.39	29.18	0
4/29/2018 7:45	5.775	172.6	21.39	8.69	29.18	0
4/29/2018 8:00	6.071	182.7	12.4	8.82	29.19	0
4/29/2018 8:15	5.834	182.7	13	9.04	29.19	0
4/29/2018 8:30	5.804	190	15.62	9.69	29.19	0
4/29/2018 8:45	7.637	201.8	19.17	10.06	29.19	0
4/29/2018 9:00	7.665	197.1	16.49	10.06	29.2	0
4/29/2018 9:15	7.457	200.6	13.44	10.53	29.2	0
4/29/2018 9:30	6.265	191.5	18.46	10.43	29.2	0
4/29/2018 9:45	4.924	187.2	20.47	10.78	29.2	0
4/29/2018 10:00	6.297	200.6	25.99	10.81	29.18	0
4/29/2018 10:15	7.236	215.2	9.5	10.67	29.18	0
4/29/2018 10:30	5.74	230.1	17.52	10.87	29.18	0
4/29/2018 10:45	3.215	225.3	21.58	11.04	29.18	0
4/29/2018 11:00	7.03	223.5	18.51	11.21	29.2	0
4/29/2018 11:15	7.055	198.4	11.92	11.25	29.2	0
4/29/2018 11:30	5.756	202.5	19.29	11.9	29.2	0
4/29/2018 11:45	5.656	198	24.59	12.21	29.2	0
4/29/2018 12:00	6.653	230.3	23.89	12.51	29.18	0
4/29/2018 12:15	4.884	195	13.42	12.22	29.18	0
4/29/2018 12:30	5.123	169.3	21.86	12.44	29.18	0
4/29/2018 12:45	6.975	240.7	30.42	12.6	29.18	0
4/29/2018 13:00	6.815	207.9	20.1	12.75	29.2	0
4/29/2018 13:15	6.932	198.3	13.03	12.67	29.2	0
4/29/2018 13:30	7.713	180.4	10.66	12.51	29.2	0
4/29/2018 13:45	6.317	176.8	13.53	13.15	29.2	0
4/29/2018 14:00	6.944	173.9	24.72	13.77	29.19	0
4/29/2018 14:15	8.66	210.6	18.12	14.12	29.19	0
4/29/2018 14:30	8.46	216	13.65	13.89	29.19	0
4/29/2018 14:45	8.19	250.3	16.74	13.85	29.19	0
4/29/2018 15:00	9.54	247	10.57	13.87	29.17	0
4/29/2018 15:15	7.113	249.2	16.48	13.75	29.17	0
4/29/2018 15:30	9.09	211.4	17.51	14.14	29.17	0
4/29/2018 15:45	11.51	226	11.24	13.51	29.17	0
4/29/2018 16:00	11.35	230.9	7.95	12.99	29.19	0
4/29/2018 16:15	11.38	232.2	9.91	12.36	29.19	0
4/29/2018 16:30	8.43	228	8.9	11.44	29.19	0
4/29/2018 16:45	3.094	232	13.87	11.55	29.19	0.01
4/29/2018 17:00	3.02	180.3	32.64	11.87	29.2	0
4/29/2018 17:15	4.137	177.7	14.78	11.79	29.2	0
4/29/2018 17:30	7.656	199.5	12.24	11.73	29.2	0
4/29/2018 17:45	6.573	173.4	16.58	11.22	29.2	0
4/29/2018 18:00	5.908	131.5	8.63	10.55	29.21	0
4/29/2018 18:15	4.018	113	11.88	10.15	29.21	0
4/29/2018 18:30	4.392	116.5	8.66	9.87	29.21	0
4/29/2018 18:45	4.727	142.3	12.83	9.76	29.21	0
4/29/2018 19:00	3.772	157.1	8.49	9.73	29.22	0
4/29/2018 19:15	7.292	191.9	11.92	9.69	29.22	0.03
4/29/2018 19:30	7.689	193.1	7.585	9.33	29.22	0.02
4/29/2018 19:45	4.879	173.5	9.15	9.22	29.22	0

4/29/2018 20:00	3.854	165.5	12.81	8.97	29.23	0
4/29/2018 20:15	2.766	149.5	19.04	8.97	29.23	0
4/29/2018 20:30	3.388	154.8	13.02	8.85	29.23	0
4/29/2018 20:45	3.169	159	14.33	8.8	29.23	0
4/29/2018 21:00	4.223	167	11.97	8.84	29.24	0
4/29/2018 21:15	6.875	173.8	8.75	8.96	29.24	0
4/29/2018 21:30	7.558	176.6	9.59	8.71	29.24	0
4/29/2018 21:45	7.772	180.4	7.504	8.65	29.24	0
4/29/2018 22:00	7.979	183.2	7.819	8.62	29.26	0
4/29/2018 22:15	8.08	183.9	7.598	8.59	29.26	0
4/29/2018 22:30	8.09	178.7	8.56	8.42	29.26	0
4/29/2018 22:45	9.13	182.5	7.648	8.32	29.26	0
4/29/2018 23:00	8.14	182.4	8.14	8.24	29.24	0
4/29/2018 23:15	7.227	177.1	8.88	8.13	29.24	0
4/29/2018 23:30	7.489	183	7.598	8.03	29.24	0
4/29/2018 23:45	7.178	182.6	6.933	7.974	29.24	0
4/30/2018 0:00	8.15	182.1	7.07	7.908	29.27	0
4/30/2018 0:15	7.258	179.6	10.36	7.83	29.27	0
4/30/2018 0:30	8.69	175.6	7.986	7.715	29.27	0
4/30/2018 0:45	7.866	168.8	10.29	7.563	29.27	0
4/30/2018 1:00	6.775	154.1	5.856	7.325	29.26	0
4/30/2018 1:15	6.44	151.8	7.366	7.27	29.26	0
4/30/2018 1:30	5.839	143.5	6.45	7.223	29.26	0
4/30/2018 1:45	4.709	129.9	7.913	7.215	29.26	0
4/30/2018 2:00	4.456	134.5	10.62	7.204	29.26	0
4/30/2018 2:15	4.424	139.1	8.15	7.218	29.26	0
4/30/2018 2:30	4.707	142.4	8.46	7.209	29.26	0
4/30/2018 2:45	6.343	148.6	7.09	7.152	29.26	0
4/30/2018 3:00	7.253	156.8	5.132	7.028	29.29	0
4/30/2018 3:15	6.066	152.3	8.18	6.863	29.29	0
4/30/2018 3:30	6.534	150.2	6.634	6.902	29.29	0
4/30/2018 3:45	6.26	148.2	6.363	6.904	29.29	0
4/30/2018 4:00	6.059	146.9	5.53	6.938	29.28	0
4/30/2018 4:15	6.242	150.6	7.143	6.953	29.28	0
4/30/2018 4:30	6.123	154.1	6.298	6.924	29.28	0
4/30/2018 4:45	6.066	147.9	6.694	6.887	29.28	0
4/30/2018 5:00	6.493	141.3	7.806	6.844	29.27	0
4/30/2018 5:15	6.864	158.3	13.19	6.592	29.27	0
4/30/2018 5:30	6.133	145.4	9.08	6.449	29.27	0
4/30/2018 5:45	7.031	170	10.47	6.509	29.27	0
4/30/2018 6:00	6.043	146	8.72	6.456	29.28	0
4/30/2018 6:15	5.248	140.4	9.68	6.517	29.28	0
4/30/2018 6:30	4.889	138.7	7.875	6.629	29.28	0
4/30/2018 6:45	4.688	134.7	7.984	6.771	29.28	0
4/30/2018 7:00	4.365	137.5	9.78	6.95	29.31	0
4/30/2018 7:15	5.9	144.3	10.44	7.023	29.31	0
4/30/2018 7:30	6.166	143	8.43	7.147	29.31	0
4/30/2018 7:45	6.637	144.3	9.57	7.335	29.31	0
4/30/2018 8:00	6.854	147	9.31	7.422	29.33	0
4/30/2018 8:15	7.289	168	14.09	7.667	29.33	0
4/30/2018 8:30	6.538	188.4	24.73	7.759	29.33	0
4/30/2018 8:45	7.854	159.8	10.58	7.696	29.33	0
4/30/2018 9:00	6.721	159.6	12.85	7.691	29.32	0
4/30/2018 9:15	7.169	179.1	10.76	7.445	29.32	0
4/30/2018 9:30	6.058	179.9	10.23	7.555	29.32	0
4/30/2018 9:45	4.156	162	17.08	7.917	29.32	0
4/30/2018 10:00	5.358	173.7	22.18	8.33	29.35	0
4/30/2018 10:15	4.508	146.4	31.53	8.97	29.35	0
4/30/2018 10:30	3.471	126.1	27.94	9.54	29.35	0

4/30/2018 10:45	2.341	114.1	81.4	9.44	29.35	0
4/30/2018 11:00	2.362	200.7	33.49	9.66	29.35	0
4/30/2018 11:15	4.727	237.1	24.21	9.54	29.35	0
4/30/2018 11:30	4.386	227.5	14.37	9.52	29.35	0
4/30/2018 11:45	3.638	194.3	19.18	9.95	29.35	0
4/30/2018 12:00	5.046	189.3	15.75	10.01	29.35	0
4/30/2018 12:15	5.163	194.9	25.9	9.81	29.35	0
4/30/2018 12:30	4.712	228.8	11.78	9.79	29.35	0
4/30/2018 12:45	2.036	208.7	35.41	9.88	29.35	0
4/30/2018 13:00	2.099	150.9	17.35	10.17	29.35	0
4/30/2018 13:15	1.769	103	18.03	10.42	29.35	0
4/30/2018 13:30	2.633	75.73	20.61	10.44	29.35	0
4/30/2018 13:45	1.732	107.5	26.26	10.6	29.35	0
4/30/2018 14:00	2.02	109.1	21.91	11.03	29.33	0
4/30/2018 14:15	2.77	121.9	17.93	11.51	29.33	0
4/30/2018 14:30	2.833	143.6	24.83	11.65	29.33	0
4/30/2018 14:45	2.01	100.9	30.85	11.59	29.33	0
4/30/2018 15:00	2.932	274.8	72.2	12.07	29.33	0
4/30/2018 15:15	3.348	213.7	37.22	11.97	29.33	0
4/30/2018 15:30	2.242	169.6	60.52	11.89	29.33	0
4/30/2018 15:45	2.403	204.3	23.79	12.04	29.33	0
4/30/2018 16:00	4.092	270.1	18.62	12.06	29.3	0
4/30/2018 16:15	5.412	274.7	9.19	11.88	29.3	0
4/30/2018 16:30	5.019	275.4	10.1	11.79	29.3	0
4/30/2018 16:45	4.472	279.6	16.38	11.69	29.3	0
4/30/2018 17:00	3.373	239.9	17.13	11.7	29.33	0
4/30/2018 17:15	2.653	254.4	23.13	11.78	29.33	0
4/30/2018 17:30	4.182	310.5	13.71	11.68	29.33	0
4/30/2018 17:45	4.719	298.6	13.15	11.65	29.33	0
4/30/2018 18:00	3.042	300.1	14.3	11.68	29.31	0
4/30/2018 18:15	4.385	320.9	6.942	11.5	29.31	0
4/30/2018 18:30	3.95	319.3	5.484	11.42	29.31	0
4/30/2018 18:45	2.608	310.8	5.64	11.38	29.31	0
4/30/2018 19:00	3.295	274.8	13.03	11.24	29.29	0
4/30/2018 19:15	3.566	285.8	5.747	10.99	29.29	0
4/30/2018 19:30	2.863	296	4.779	10.86	29.29	0
4/30/2018 19:45	3.393	286.6	3.806	10.8	29.29	0
4/30/2018 20:00	2.787	303.2	17.32	10.67	29.3	0
4/30/2018 20:15	0.698	343.5	3.696	10.42	29.3	0
4/30/2018 20:30	0.332	345.8	0.091	10.42	29.3	0
4/30/2018 20:45	0.013	345.8	0.005	10.29	29.3	0
4/30/2018 21:00	0.542	347.8	0.227	10.08	29.29	0
4/30/2018 21:15	0.361	345.9	1.048	10.3	29.29	0
4/30/2018 21:30	2.105	291.6	26.31	9.94	29.29	0
4/30/2018 21:45	1.763	217.1	9.33	10.02	29.29	0
4/30/2018 22:00	0.452	332.9	48.6	9.65	29.3	0
4/30/2018 22:15	0	0	0	9.29	29.3	0
4/30/2018 22:30	0.321	38.77	14.44	9.41	29.3	0
4/30/2018 22:45	0.607	44.02	9.53	9.65	29.3	0
4/30/2018 23:00	1.37	113	93.4	9.7	29.31	0
4/30/2018 23:15	1.937	195.5	5.25	9.57	29.31	0
4/30/2018 23:30	3.109	186.7	9.23	9.43	29.31	0
4/30/2018 23:45	3.774	188.5	3.287	9.26	29.31	0
5/1/2018 0:00	4.243	192.1	4.3	9.14	29.28	0
5/1/2018 0:15	4.678	189	6.435	8.81	29.28	0
5/1/2018 0:30	3.444	220.3	11.26	8.86	29.28	0
5/1/2018 0:45	3.254	211.3	8.57	8.99	29.28	0
5/1/2018 1:00	4.33	215.2	6.827	8.94	29.26	0
5/1/2018 1:15	3.233	214.6	11.84	8.88	29.26	0

5/1/2018 1:30	2.972	217.1	7.343	8.93	29.26	0
5/1/2018 1:45	2.457	210.2	16.06	8.86	29.26	0
5/1/2018 2:00	2.628	209.1	4.491	8.87	29.27	0
5/1/2018 2:15	3.233	196.2	6.674	8.78	29.27	0
5/1/2018 2:30	5.34	191.3	6.633	8.63	29.27	0
5/1/2018 2:45	4.846	197.7	5.819	8.51	29.27	0.01
5/1/2018 3:00	4.968	214.5	12.87	8.45	29.25	0
5/1/2018 3:15	5.02	226.4	9.04	8.43	29.25	0
5/1/2018 3:30	4.682	249.1	10.83	8.36	29.25	0
5/1/2018 3:45	5.569	254.9	8.22	8.24	29.25	0
5/1/2018 4:00	3.478	267.8	9	8.16	29.26	0
5/1/2018 4:15	3.424	283.2	8.81	8.11	29.26	0
5/1/2018 4:30	2.113	278.9	16.03	8.03	29.26	0
5/1/2018 4:45	1.721	282.2	3.379	7.999	29.26	0
5/1/2018 5:00	3.717	268.3	11.31	7.942	29.23	0
5/1/2018 5:15	4.303	279.7	5.223	7.865	29.23	0
5/1/2018 5:30	3.931	284.2	7.129	7.864	29.23	0
5/1/2018 5:45	3.543	296.5	7.764	7.892	29.23	0
5/1/2018 6:00	2.874	286.8	8.65	7.873	29.27	0
5/1/2018 6:15	2.595	275.4	11.3	7.848	29.27	0
5/1/2018 6:30	2.072	303.4	18.88	7.826	29.27	0
5/1/2018 6:45	1.845	308.2	62.83	7.747	29.27	0
5/1/2018 7:00	4.778	202.7	9.92	7.69	29.25	0
5/1/2018 7:15	5.212	192.7	7.135	7.607	29.25	0.01
5/1/2018 7:30	4.758	207.2	15.59	7.557	29.25	0
5/1/2018 7:45	4.557	221	14.61	7.544	29.25	0
5/1/2018 8:00	3.587	206.9	12.4	7.688	29.28	0
5/1/2018 8:15	1.379	147.4	62.32	7.775	29.28	0
5/1/2018 8:30	1.472	45.76	23.77	7.897	29.28	0
5/1/2018 8:45	2.201	68.29	14.71	7.85	29.28	0.01
5/1/2018 9:00	2.044	48.7	2.285	7.711	29.29	0
5/1/2018 9:15	2.166	53.23	6.548	7.773	29.29	0.01
5/1/2018 9:30	1.992	104.7	16.06	7.802	29.29	0
5/1/2018 9:45	0.663	81.2	11.67	8.05	29.29	0
5/1/2018 10:00	2.5	138.9	7.515	8.15	29.29	0
5/1/2018 10:15	2.717	121.3	15.4	8.74	29.29	0
5/1/2018 10:30	2.865	95.2	17.21	9.13	29.29	0
5/1/2018 10:45	2.633	77.64	19.8	8.99	29.29	0
5/1/2018 11:00	0.806	64.53	1.223	9.07	29.28	0
5/1/2018 11:15	1.176	69.26	12.99	9.42	29.28	0
5/1/2018 11:30	3.505	28.2	11.76	9.32	29.28	0
5/1/2018 11:45	3.915	36.01	15.73	9.38	29.28	0
5/1/2018 12:00	4.525	87	12.78	10.27	29.27	0
5/1/2018 12:15	3.82	111.5	42.3	11.16	29.27	0
5/1/2018 12:30	2.509	225.4	62.68	11.43	29.27	0
5/1/2018 12:45	4.639	340.1	32.83	11.51	29.27	0
5/1/2018 13:00	4.452	320	16.53	11.46	29.27	0
5/1/2018 13:15	3.456	14.22	21.77	12.09	29.27	0
5/1/2018 13:30	4.351	330.3	28.06	12.44	29.27	0
5/1/2018 13:45	4.608	304.1	23.44	12.7	29.27	0
5/1/2018 14:00	4.787	311.9	30.34	13.24	29.27	0
5/1/2018 14:15	4.872	349.4	21.3	12.62	29.27	0
5/1/2018 14:30	8.43	21.35	10.17	12.11	29.27	0
5/1/2018 14:45	6.501	30.32	15.5	12.23	29.27	0
5/1/2018 15:00	5.125	52.66	10.84	12.64	29.26	0
5/1/2018 15:15	5.671	33.66	10.08	12.65	29.26	0
5/1/2018 15:30	5.524	32.64	7.615	12.36	29.26	0
5/1/2018 15:45	2.428	328.3	44.71	13.7	29.26	0
5/1/2018 16:00	4.226	336.9	57.15	13.45	29.27	0

5/1/2018 16:15	5.133	32.23	11.75	13.23	29.27	0
5/1/2018 16:30	5.355	45.02	13.46	13.38	29.27	0
5/1/2018 16:45	4.781	52.3	13.87	13.29	29.27	0
5/1/2018 17:00	4.615	32.11	13.65	13.19	29.26	0
5/1/2018 17:15	4.252	34.19	10.17	13.42	29.26	0
5/1/2018 17:30	3.024	22.35	20.89	13.72	29.26	0
5/1/2018 17:45	4.503	13.58	11.97	14.18	29.26	0
5/1/2018 18:00	4.434	27.63	14.21	13.91	29.26	0
5/1/2018 18:15	5.946	21.46	12.85	13.56	29.26	0
5/1/2018 18:30	2.861	5.607	15.99	13.57	29.26	0
5/1/2018 18:45	2.138	345	11.37	13.73	29.26	0
5/1/2018 19:00	1.158	349.6	8.61	13.75	29.27	0
5/1/2018 19:15	0.908	346.5	13.69	13.67	29.27	0
5/1/2018 19:30	2.745	314	6.189	13.1	29.27	0
5/1/2018 19:45	0.763	323.6	9.03	12.95	29.27	0
5/1/2018 20:00	2.07	316.2	6.393	12.77	29.28	0
5/1/2018 20:15	0.362	342.3	13.97	12.38	29.28	0
5/1/2018 20:30	1.489	261.2	42.09	12.54	29.28	0
5/1/2018 20:45	0.705	279.8	13.61	12.08	29.28	0
5/1/2018 21:00	0.089	345.9	0.259	11.46	29.29	0
5/1/2018 21:15	0.281	350.4	9.8	11.27	29.29	0
5/1/2018 21:30	0.674	125.5	49.8	10.9	29.29	0
5/1/2018 21:45	4.56	205.8	11.61	10.84	29.29	0
5/1/2018 22:00	1.902	210.3	61.35	11.21	29.3	0
5/1/2018 22:15	1.305	304.9	70.8	10.48	29.3	0
5/1/2018 22:30	2.156	146.8	69.05	10.49	29.3	0
5/1/2018 22:45	1.811	109.9	17.91	9.84	29.3	0
5/1/2018 23:00	1.5	150	35.9	10.2	29.3	0
5/1/2018 23:15	2.594	190	11.82	10.45	29.3	0
5/1/2018 23:30	1.998	139.1	17.3	10.37	29.3	0
5/1/2018 23:45	2.21	116.8	7.411	10.15	29.3	0
5/2/2018 0:00	1.5	110.7	0.203	9.79	29.29	0
5/2/2018 0:15	2.048	143.1	27.51	10.4	29.29	0
5/2/2018 0:30	2.713	196.7	9.36	10.4	29.29	0
5/2/2018 0:45	2.888	187.8	11.77	9.99	29.29	0
5/2/2018 1:00	1.577	178.3	14.74	9.18	29.31	0
5/2/2018 1:15	1.209	13.65	57.85	9.08	29.31	0
5/2/2018 1:30	0.538	18.06	2.989	9.03	29.31	0
5/2/2018 1:45	1.709	60.2	36.62	8.75	29.31	0
5/2/2018 2:00	2.93	109.2	7.086	8.16	29.28	0
5/2/2018 2:15	2.031	132	14.64	8.12	29.28	0
5/2/2018 2:30	2.257	147.5	14.02	8.43	29.28	0
5/2/2018 2:45	1.6	116.8	6.948	8.29	29.28	0
5/2/2018 3:00	2.237	94.5	1.433	8.12	29.29	0
5/2/2018 3:15	1.174	92.4	3.738	8.29	29.29	0
5/2/2018 3:30	0.475	48.64	25.86	8.7	29.29	0
5/2/2018 3:45	2.619	340.7	17.09	8.76	29.29	0
5/2/2018 4:00	3.743	344.5	5.309	7.503	29.3	0
5/2/2018 4:15	2.474	342.9	35.7	7.514	29.3	0
5/2/2018 4:30	1.519	301.1	9.22	7.939	29.3	0
5/2/2018 4:45	0.41	307	49.04	7.476	29.3	0
5/2/2018 5:00	0.24	18.99	7.406	7.085	29.29	0
5/2/2018 5:15	0.146	171	22.78	7.365	29.29	0
5/2/2018 5:30	0.558	127.8	1.555	7.121	29.29	0
5/2/2018 5:45	2.272	174.3	13.44	7.606	29.29	0
5/2/2018 6:00	2.61	177	6.235	7.96	29.3	0
5/2/2018 6:15	3.558	175.7	7.451	7.888	29.3	0
5/2/2018 6:30	3.611	175	13.01	7.854	29.3	0
5/2/2018 6:45	3.439	198.9	8.33	7.734	29.3	0

5/2/2018 7:00	3.204	168.4	17.9	7.857	29.29	0
5/2/2018 7:15	0.987	59.05	48.53	9.24	29.29	0
5/2/2018 7:30	2.263	59.46	22.14	9.72	29.29	0
5/2/2018 7:45	2.298	122.1	38.19	10.2	29.29	0
5/2/2018 8:00	2.056	162	31.87	10.59	29.3	0
5/2/2018 8:15	1.619	232	47.78	10.88	29.3	0
5/2/2018 8:30	1.281	237.8	54.08	11.41	29.3	0
5/2/2018 8:45	1.278	272.9	42.84	11.46	29.3	0
5/2/2018 9:00	2.713	292	33.6	12.02	29.32	0
5/2/2018 9:15	3.425	278.7	15.28	12.86	29.32	0
5/2/2018 9:30	3.343	278.4	20.45	13.71	29.32	0
5/2/2018 9:45	5.943	311.1	13.6	14.11	29.32	0
5/2/2018 10:00	3.152	322.6	43.36	14.48	29.31	0
5/2/2018 10:15	5.027	312.2	53.56	14.65	29.31	0
5/2/2018 10:30	3.252	343.1	34.53	15.19	29.31	0
5/2/2018 10:45	5.796	13.25	30.31	15.47	29.31	0
5/2/2018 11:00	7.301	11.74	15.53	15.55	29.28	0
5/2/2018 11:15	6.421	11.09	22.05	15.78	29.28	0
5/2/2018 11:30	6.507	18.09	17.13	16.17	29.28	0
5/2/2018 11:45	6.981	0.977	20.75	16.49	29.28	0
5/2/2018 12:00	7.617	2.768	28.51	17.11	29.27	0
5/2/2018 12:15	4.784	2.747	37.34	17.3	29.27	0
5/2/2018 12:30	6.252	350.7	38.56	17.87	29.27	0
5/2/2018 12:45	5.692	20.76	17.58	17.93	29.27	0
5/2/2018 13:00	5.192	10.07	31.77	18.16	29.27	0
5/2/2018 13:15	6.572	23.31	24.71	18.36	29.27	0
5/2/2018 13:30	5.959	27.99	11.48	18.3	29.27	0
5/2/2018 13:45	6.836	36.42	13.83	18.53	29.27	0
5/2/2018 14:00	6.219	341.5	34.45	19.15	29.27	0
5/2/2018 14:15	6.437	353.1	35.29	19.11	29.27	0
5/2/2018 14:30	7.08	358.3	31.19	19.24	29.27	0
5/2/2018 14:45	7.832	314.2	34.91	19.65	29.27	0
5/2/2018 15:00	11.47	255.8	18.93	19.02	29.26	0
5/2/2018 15:15	7.881	283.5	42.26	19.18	29.26	0
5/2/2018 15:30	7.774	299.7	25.27	19.99	29.26	0
5/2/2018 15:45	8.38	299.5	21.02	19.64	29.26	0
5/2/2018 16:00	4.64	350.1	28.07	19.74	29.26	0
5/2/2018 16:15	10.75	319.2	9.41	19.42	29.26	0
5/2/2018 16:30	10.2	309	10.36	19.37	29.26	0
5/2/2018 16:45	9.79	309.5	9.24	19.17	29.26	0
5/2/2018 17:00	10.69	304.7	7.848	19.09	29.27	0
5/2/2018 17:15	8.67	306.9	11.99	19.07	29.27	0
5/2/2018 17:30	7.805	321.7	14.52	18.99	29.27	0
5/2/2018 17:45	8.05	330.4	14.29	18.65	29.27	0
5/2/2018 18:00	7.144	327.1	9.58	17.96	29.25	0
5/2/2018 18:15	3.961	0.986	15.32	17.37	29.25	0
5/2/2018 18:30	4.062	10.29	1.663	17.19	29.25	0
5/2/2018 18:45	2.921	8.37	0.968	17	29.25	0
5/2/2018 19:00	1.12	9.53	1.365	16.74	29.24	0
5/2/2018 19:15	2.695	13.2	1.249	16.42	29.24	0
5/2/2018 19:30	3.275	26.04	15.07	15.67	29.24	0
5/2/2018 19:45	3.873	42.3	4.754	15.19	29.24	0
5/2/2018 20:00	3.907	25.98	6.497	14.86	29.24	0
5/2/2018 20:15	2.614	16.59	5.343	14.53	29.24	0
5/2/2018 20:30	2.768	16.73	10.48	14.23	29.24	0
5/2/2018 20:45	4.01	34.07	4.383	13.97	29.24	0
5/2/2018 21:00	3.759	31.37	4.971	13.96	29.27	0
5/2/2018 21:15	2.97	17.56	4.3	13.98	29.27	0
5/2/2018 21:30	2.416	22.47	9.18	13.57	29.27	0

5/2/2018 21:45	1.844	124.1	35.94	13.36	29.27	0
5/2/2018 22:00	1.359	193.7	46.35	13.34	29.25	0
5/2/2018 22:15	1.469	210	9.72	13.21	29.25	0
5/2/2018 22:30	0.802	207.4	1.196	12.64	29.25	0
5/2/2018 22:45	1.998	3.806	39	12.34	29.25	0
5/2/2018 23:00	2.857	46.11	5.686	11.54	29.26	0
5/2/2018 23:15	1.752	53.94	3.885	11.52	29.26	0
5/2/2018 23:30	1.322	57.25	0.205	11.43	29.26	0
5/2/2018 23:45	1.349	57.34	0.156	11.46	29.26	0
5/3/2018 0:00	2.571	68.37	5.766	11.73	29.25	0
5/3/2018 0:15	2.49	62.14	15.04	11.73	29.25	0
5/3/2018 0:30	2.225	31.91	0.238	11.56	29.25	0
5/3/2018 0:45	0.835	31.63	0.128	11.71	29.25	0
5/3/2018 1:00	0.061	31.78	0.033	11.52	29.25	0
5/3/2018 1:15	0.797	86.6	25	11.68	29.25	0
5/3/2018 1:30	2.756	125.6	3.975	11.84	29.25	0
5/3/2018 1:45	1.686	123.6	0.628	11.43	29.25	0
5/3/2018 2:00	0.889	122.7	0.091	11.39	29.27	0
5/3/2018 2:15	1.227	108	12.21	11.39	29.27	0
5/3/2018 2:30	1.522	53.36	27.63	11.21	29.27	0
5/3/2018 2:45	1.304	31.94	0.093	11.05	29.27	0
5/3/2018 3:00	0.508	31.4	0.68	10.97	29.29	0
5/3/2018 3:15	0.042	30.23	0.029	10.89	29.29	0
5/3/2018 3:30	0.567	34.82	7.543	10.79	29.29	0
5/3/2018 3:45	0.587	56.75	0.2	10.23	29.29	0
5/3/2018 4:00	0.153	56.76	0.026	10.22	29.26	0
5/3/2018 4:15	0.827	129.5	62.17	10.19	29.26	0
5/3/2018 4:30	1.913	115.1	14.76	10.29	29.26	0
5/3/2018 4:45	1.914	148.4	14.4	10.57	29.26	0
5/3/2018 5:00	2.758	164.3	3.908	10.64	29.28	0
5/3/2018 5:15	3.944	183.6	19.48	10	29.28	0
5/3/2018 5:30	4.774	194.1	9.35	9.45	29.28	0
5/3/2018 5:45	3.675	176.1	11.22	9.96	29.28	0
5/3/2018 6:00	4.23	197.3	6.287	9.92	29.29	0
5/3/2018 6:15	4.714	220.5	7.764	10.08	29.29	0
5/3/2018 6:30	3.59	221.6	4.217	10.4	29.29	0
5/3/2018 6:45	3.633	230	13.06	10.64	29.29	0
5/3/2018 7:00	1.356	185.4	34.55	11.27	29.31	0
5/3/2018 7:15	2.812	134.4	8.44	11.76	29.31	0
5/3/2018 7:30	3.027	137.8	10.27	12.47	29.31	0
5/3/2018 7:45	3.149	192.1	21.47	12.97	29.31	0
5/3/2018 8:00	4.387	199.9	8.73	13.09	29.31	0
5/3/2018 8:15	3.184	178.6	16.32	13.84	29.31	0
5/3/2018 8:30	2.052	147.4	21.38	15.15	29.31	0
5/3/2018 8:45	1.384	135	17.23	15.82	29.31	0
5/3/2018 9:00	1.998	241.4	27.2	15.88	29.29	0
5/3/2018 9:15	1.827	220.7	56.82	16.49	29.29	0
5/3/2018 9:30	2.165	304.3	35.71	16.91	29.29	0
5/3/2018 9:45	2.531	268.1	22.89	17.24	29.29	0
5/3/2018 10:00	1.804	349	33.13	17.89	29.29	0
5/3/2018 10:15	2.145	320.4	29.43	18.36	29.29	0
5/3/2018 10:30	2.301	309.6	34.29	19.09	29.29	0
5/3/2018 10:45	3.745	281.3	22.2	19.15	29.29	0
5/3/2018 11:00	4.446	287.4	26.02	19.47	29.29	0
5/3/2018 11:15	4.72	283.6	22.56	19.65	29.29	0
5/3/2018 11:30	4.245	265.3	18.89	19.99	29.29	0
5/3/2018 11:45	4.285	269.1	33.24	20.49	29.29	0
5/3/2018 12:00	3.82	225.9	54.65	21.06	29.28	0
5/3/2018 12:15	2.938	293.3	84.6	20.94	29.28	0

5/3/2018 12:30	4.009	254.4	35.01	21.39	29.28	0
5/3/2018 12:45	6.719	269.5	13.77	21.61	29.28	0
5/3/2018 13:00	5.31	287.3	21.62	21.55	29.28	0
5/3/2018 13:15	8.27	276.8	13.65	21.67	29.28	0
5/3/2018 13:30	9.41	273.2	15.48	21.86	29.28	0
5/3/2018 13:45	9.17	258.6	22.01	21.96	29.28	0
5/3/2018 14:00	9.41	255.3	18.35	22.08	29.3	0
5/3/2018 14:15	11.35	265.3	14.37	22.08	29.3	0
5/3/2018 14:30	11.23	256.5	10.46	22.03	29.3	0
5/3/2018 14:45	11.43	258.8	10.91	21.95	29.3	0
5/3/2018 15:00	10.02	248	13.67	22.24	29.3	0
5/3/2018 15:15	9.81	238.2	21.54	22.21	29.3	0
5/3/2018 15:30	9.37	253.3	17.4	22.21	29.3	0
5/3/2018 15:45	9.67	270.5	11.06	21.86	29.3	0
5/3/2018 16:00	11.9	247.7	9.94	21.61	29.28	0
5/3/2018 16:15	12.35	241.4	11.88	21.66	29.28	0
5/3/2018 16:30	11.73	262.1	12.79	21.26	29.28	0
5/3/2018 16:45	15.78	250.2	10.5	20.4	29.28	0
5/3/2018 17:00	13.23	240.8	9.17	20.11	29.32	0
5/3/2018 17:15	12.39	251.5	10.04	19.64	29.32	0
5/3/2018 17:30	11.32	245.5	11.49	19.09	29.32	0
5/3/2018 17:45	9.43	218.3	17.45	18.4	29.32	0
5/3/2018 18:00	8.4	224.8	12.82	18.2	29.31	0
5/3/2018 18:15	9.3	206.3	27.87	18.24	29.31	0
5/3/2018 18:30	7.98	225	10.64	18.06	29.31	0
5/3/2018 18:45	7.938	212.5	10.32	17.66	29.31	0
5/3/2018 19:00	6.69	223.9	13.11	17.16	29.33	0
5/3/2018 19:15	6.96	228.8	9.07	16.72	29.33	0
5/3/2018 19:30	8.43	234.6	7.786	16.19	29.33	0
5/3/2018 19:45	13.14	257.8	11.6	14.66	29.33	0
5/3/2018 20:00	13.72	253.3	7.496	13.34	29.34	0
5/3/2018 20:15	10.59	243.9	7.322	12.83	29.34	0
5/3/2018 20:30	4.309	247.6	17.53	12.46	29.34	0
5/3/2018 20:45	5.838	253.3	11.82	12.02	29.34	0
5/3/2018 21:00	7.186	237.8	5.8	11.95	29.39	0
5/3/2018 21:15	6.499	224.5	12.6	11.69	29.39	0
5/3/2018 21:30	8.16	192.1	9.97	11.62	29.39	0
5/3/2018 21:45	7.975	203	7.413	11.47	29.39	0
5/3/2018 22:00	7.957	191.4	7.546	11.31	29.4	0
5/3/2018 22:15	8.47	187.7	7.177	11.13	29.4	0
5/3/2018 22:30	8.15	197.1	7.189	10.88	29.4	0
5/3/2018 22:45	6.837	205	8.93	10.8	29.4	0
5/3/2018 23:00	7.611	200.4	7.273	10.65	29.39	0
5/3/2018 23:15	7.184	206	6.607	10.52	29.39	0
5/3/2018 23:30	4.878	202.6	9.33	10.5	29.39	0
5/3/2018 23:45	4.905	192.9	7.961	10.48	29.39	0
5/4/2018 0:00	4.986	193.9	7.681	10.46	29.4	0
5/4/2018 0:15	6.265	190.4	6.354	10.43	29.4	0
5/4/2018 0:30	5.997	176.7	14.66	10.32	29.4	0
5/4/2018 0:45	7.824	195.8	9.79	10.26	29.4	0
5/4/2018 1:00	7.426	196.6	9.99	10.22	29.41	0
5/4/2018 1:15	7.543	179.2	7.174	10.03	29.41	0
5/4/2018 1:30	7.807	181.3	12.67	9.91	29.41	0
5/4/2018 1:45	8.34	180.2	11.41	9.69	29.41	0
5/4/2018 2:00	8.12	177.6	10.12	9.58	29.4	0
5/4/2018 2:15	7.44	165.7	10.27	9.54	29.4	0
5/4/2018 2:30	7.691	174.4	8.63	9.68	29.4	0
5/4/2018 2:45	9.46	183.1	7.536	9.7	29.4	0
5/4/2018 3:00	7.761	181.2	8.14	9.68	29.42	0

5/4/2018 3:15	7.708	181.9	10.79	9.58	29.42	0
5/4/2018 3:30	7.143	181.3	13.84	9.43	29.42	0
5/4/2018 3:45	5.093	151.5	15.58	9.11	29.42	0
5/4/2018 4:00	5.045	141.7	6.319	8.65	29.44	0
5/4/2018 4:15	4.848	138	6.942	8.57	29.44	0
5/4/2018 4:30	4.441	127.3	6.673	8.61	29.44	0
5/4/2018 4:45	4.559	126.7	7.097	8.66	29.44	0
5/4/2018 5:00	5.007	119.1	9.14	8.74	29.43	0
5/4/2018 5:15	5.333	121.3	7.907	8.75	29.43	0
5/4/2018 5:30	5.435	117.5	8.58	8.82	29.43	0
5/4/2018 5:45	4.924	120.9	8.81	8.8	29.43	0
5/4/2018 6:00	5.239	131.1	9.1	8.79	29.43	0
5/4/2018 6:15	6.204	139.5	12.01	8.69	29.43	0
5/4/2018 6:30	6.436	148.8	7.697	8.71	29.43	0
5/4/2018 6:45	5.279	147.2	8.08	8.8	29.43	0
5/4/2018 7:00	4.678	120.6	11.82	8.98	29.46	0
5/4/2018 7:15	3.763	127.5	16	9.05	29.46	0
5/4/2018 7:30	4.268	135.3	10.45	9.2	29.46	0
5/4/2018 7:45	4.079	124.8	12.18	9.39	29.46	0
5/4/2018 8:00	3.995	126.1	11.85	9.68	29.46	0
5/4/2018 8:15	3.659	133.4	11.78	9.9	29.46	0
5/4/2018 8:30	3.447	150.9	11.67	10.03	29.46	0
5/4/2018 8:45	4.596	138.6	14.06	10.22	29.46	0
5/4/2018 9:00	4.597	136.4	12.75	10.31	29.47	0
5/4/2018 9:15	4.475	145.7	10.63	10.36	29.47	0
5/4/2018 9:30	4.006	143.6	12.51	10.56	29.47	0
5/4/2018 9:45	3.736	141	25.61	10.79	29.47	0
5/4/2018 10:00	3.318	145.4	33.82	11.06	29.48	0
5/4/2018 10:15	1.97	156.1	42.8	11.26	29.48	0
5/4/2018 10:30	1.098	88	61.77	11.87	29.48	0
5/4/2018 10:45	3.161	250.6	25.09	12.06	29.48	0
5/4/2018 11:00	1.96	232.7	32.82	12.32	29.45	0
5/4/2018 11:15	2.782	231.1	29.63	12.7	29.45	0
5/4/2018 11:30	3.532	232.3	28.33	13.03	29.45	0
5/4/2018 11:45	3.794	202.4	50.39	13.26	29.45	0
5/4/2018 12:00	4.268	201.9	51.11	14.12	29.45	0
5/4/2018 12:15	4.841	240.7	39.77	13.77	29.45	0
5/4/2018 12:30	5.383	235.9	20.29	14.22	29.45	0
5/4/2018 12:45	5.808	235.7	20.58	14.2	29.45	0
5/4/2018 13:00	6.737	240	15.6	14.31	29.42	0
5/4/2018 13:15	6.466	239.2	23.66	14.45	29.42	0
5/4/2018 13:30	5.032	222.1	15.84	14.58	29.42	0
5/4/2018 13:45	5.248	256.6	28.01	14.93	29.42	0
5/4/2018 14:00	3.573	251.7	55.04	14.75	29.44	0
5/4/2018 14:15	3.481	195.3	57.45	14.52	29.44	0
5/4/2018 14:30	1.116	102.2	31.96	14.46	29.44	0
5/4/2018 14:45	5.729	257.5	15.59	14.74	29.44	0
5/4/2018 15:00	4.873	275.7	22.03	14.74	29.42	0
5/4/2018 15:15	4.056	293.6	26.08	15.58	29.42	0
5/4/2018 15:30	3.616	290.3	24.69	15.56	29.42	0
5/4/2018 15:45	2.103	267.8	45.3	16.1	29.42	0
5/4/2018 16:00	3.265	205.6	83.5	15.6	29.41	0
5/4/2018 16:15	4.312	298.5	21.94	15.4	29.41	0
5/4/2018 16:30	4.974	274.5	21.3	15.67	29.41	0
5/4/2018 16:45	4.773	267.3	18.45	15.79	29.41	0
5/4/2018 17:00	2.759	311.8	25.56	16.55	29.4	0
5/4/2018 17:15	5.12	327.6	11.91	16.25	29.4	0
5/4/2018 17:30	4.792	324.2	8.24	16.1	29.4	0
5/4/2018 17:45	8.25	321.1	8.27	15.77	29.4	0

5/4/2018 18:00	5.293	324.7	36.65	15.56	29.39	0
5/4/2018 18:15	5.215	306.9	21.81	15.49	29.39	0
5/4/2018 18:30	5.341	301.6	7.456	15.41	29.39	0
5/4/2018 18:45	6.434	304.6	8.91	15.05	29.39	0
5/4/2018 19:00	6.496	304.2	18.18	14.4	29.41	0
5/4/2018 19:15	4.967	349.7	7.909	13.32	29.41	0
5/4/2018 19:30	2.725	1.844	13.5	12.9	29.41	0
5/4/2018 19:45	2.951	21.12	20.66	12.53	29.41	0
5/4/2018 20:00	7.077	14.81	9.83	12.19	29.41	0
5/4/2018 20:15	5.981	6.409	12.01	12.04	29.41	0
5/4/2018 20:30	3.236	8.2	14.54	11.7	29.41	0
5/4/2018 20:45	6.728	22.1	9.82	11.68	29.41	0
5/4/2018 21:00	7.058	16.53	9.26	11.62	29.42	0
5/4/2018 21:15	8.09	18.25	9.39	11.57	29.42	0
5/4/2018 21:30	6.903	26.98	10.67	11.46	29.42	0
5/4/2018 21:45	6.768	38.21	9.05	11.13	29.42	0
5/4/2018 22:00	9.74	23.49	6.908	10.79	29.41	0
5/4/2018 22:15	8.7	28.51	7.243	10.89	29.41	0
5/4/2018 22:30	7.393	27.15	7.636	10.7	29.41	0
5/4/2018 22:45	8.36	23.19	6.644	10.85	29.41	0
5/4/2018 23:00	9.89	26.86	8.06	10.87	29.41	0
5/4/2018 23:15	7.942	27.03	7.846	10.76	29.41	0
5/4/2018 23:30	8.21	23.55	7.498	10.62	29.41	0
5/4/2018 23:45	9.75	20.45	9.31	10.4	29.41	0
5/5/2018 0:00	10.6	27.48	8.17	10.3	29.4	0
5/5/2018 0:15	11.66	24.54	9.57	10.22	29.4	0
5/5/2018 0:30	12.76	27.58	8.12	9.98	29.4	0
5/5/2018 0:45	11.51	27.44	8.61	9.75	29.4	0
5/5/2018 1:00	12.02	25.02	9.08	9.62	29.39	0
5/5/2018 1:15	8.68	21.25	10.26	9.46	29.39	0
5/5/2018 1:30	8.95	24.36	8.15	9.26	29.39	0
5/5/2018 1:45	8.5	17.35	10.99	9.38	29.39	0
5/5/2018 2:00	4.803	14.57	10.09	8.96	29.37	0
5/5/2018 2:15	6.459	22.11	8.67	9.14	29.37	0
5/5/2018 2:30	9.38	21.13	10.35	9.3	29.37	0
5/5/2018 2:45	7.65	18.38	7.271	9.21	29.37	0
5/5/2018 3:00	6.882	26.99	9.21	9.05	29.38	0
5/5/2018 3:15	8.19	26.18	8.15	8.65	29.38	0
5/5/2018 3:30	8.02	26.81	7.714	8.5	29.38	0
5/5/2018 3:45	8.35	23.47	9.58	8.39	29.38	0
5/5/2018 4:00	7.157	18.66	12.71	8.23	29.35	0
5/5/2018 4:15	8.07	18.88	11.7	8.14	29.35	0
5/5/2018 4:30	9.81	29.63	8.04	8.17	29.35	0
5/5/2018 4:45	8.71	27.89	8.68	8.11	29.35	0
5/5/2018 5:00	6.156	26.28	9.73	7.98	29.36	0
5/5/2018 5:15	7.102	24.13	9.91	7.793	29.36	0
5/5/2018 5:30	7.899	13.6	8.23	7.968	29.36	0
5/5/2018 5:45	6.008	26.46	8.49	8.03	29.36	0
5/5/2018 6:00	8.61	23.06	7.088	8.15	29.34	0
5/5/2018 6:15	6.829	20.07	12.25	8.46	29.34	0
5/5/2018 6:30	4.769	4.658	13.82	8.44	29.34	0
5/5/2018 6:45	3.326	25.07	9.1	8.83	29.34	0
5/5/2018 7:00	2.499	13.35	20.97	9.61	29.36	0
5/5/2018 7:15	3.001	37.55	18.82	10.05	29.36	0
5/5/2018 7:30	2.636	52.86	11.02	10.07	29.36	0
5/5/2018 7:45	1.817	55.21	17.42	10.49	29.36	0
5/5/2018 8:00	2.035	81.9	17.33	11.32	29.36	0
5/5/2018 8:15	2.26	47.2	18.31	11.85	29.36	0
5/5/2018 8:30	3.08	44.11	19.57	12.13	29.36	0

5/5/2018 8:45	2.592	37.19	30.08	12.8	29.36	0
5/5/2018 9:00	2.973	9.6	28.86	13.51	29.34	0
5/5/2018 9:15	4.832	16.02	20.21	13.85	29.34	0
5/5/2018 9:30	6.584	13.81	16.98	14.37	29.34	0
5/5/2018 9:45	8.56	9.85	24.55	14.93	29.34	0
5/5/2018 10:00	9.46	352	17.55	15.24	29.32	0
5/5/2018 10:15	9.73	358.3	16.77	15.26	29.32	0
5/5/2018 10:30	10.95	6.603	16.1	15.48	29.32	0
5/5/2018 10:45	10.7	7.69	17.76	15.41	29.32	0
5/5/2018 11:00	13.09	5.609	15	15.14	29.3	0
5/5/2018 11:15	12.78	6.571	14.05	15.46	29.3	0
5/5/2018 11:30	11.41	17.18	12.54	15.73	29.3	0
5/5/2018 11:45	10.91	15.77	11.35	16.11	29.3	0
5/5/2018 12:00	8.74	6.488	16.86	16.59	29.3	0
5/5/2018 12:15	8.4	347.2	20.94	17.16	29.3	0
5/5/2018 12:30	6.373	19.2	18.06	17.03	29.3	0
5/5/2018 12:45	7.477	13.75	19.46	17.14	29.3	0
5/5/2018 13:00	6.168	13.48	22.38	17.64	29.26	0
5/5/2018 13:15	5.789	17.33	32.5	17.96	29.26	0
5/5/2018 13:30	5.422	351.7	32.98	18.41	29.26	0
5/5/2018 13:45	5.122	350.9	24.7	18.61	29.26	0
5/5/2018 14:00	5.116	38.25	54.39	18.32	29.26	0
5/5/2018 14:15	5.546	17.28	24.46	18.72	29.26	0
5/5/2018 14:30	5.784	16.51	15.11	18.45	29.26	0
5/5/2018 14:45	2.933	339.9	31.03	19.29	29.26	0
5/5/2018 15:00	3.913	15.97	21.89	19.19	29.25	0
5/5/2018 15:15	4.237	334.7	35.77	19.21	29.25	0
5/5/2018 15:30	4.836	16.36	21.87	19.26	29.25	0
5/5/2018 15:45	4.848	22.33	11.29	19.23	29.25	0
5/5/2018 16:00	3.884	328.5	55.25	19.61	29.23	0
5/5/2018 16:15	3.997	19.75	22.67	19.42	29.23	0
5/5/2018 16:30	3.409	5.043	31.13	19.31	29.23	0
5/5/2018 16:45	3.22	293.5	18.82	19.28	29.23	0
5/5/2018 17:00	3.15	286.3	41.57	18.96	29.2	0
5/5/2018 17:15	4.61	15.23	13.64	18.74	29.2	0
5/5/2018 17:30	5.213	18.43	9.17	18.53	29.2	0
5/5/2018 17:45	3.751	22.49	16.3	18.46	29.2	0
5/5/2018 18:00	1.429	22.46	59.85	18.27	29.21	0
5/5/2018 18:15	2.294	223.7	13.76	17.97	29.21	0
5/5/2018 18:30	2.261	0.147	19.23	17.62	29.21	0
5/5/2018 18:45	2.607	311.4	13.93	17.25	29.21	0
5/5/2018 19:00	5.31	288.5	10	16.52	29.21	0
5/5/2018 19:15	5.145	287.9	5.206	16.21	29.21	0
5/5/2018 19:30	3.773	310.4	11.49	16.06	29.21	0
5/5/2018 19:45	4.575	26.78	15.65	15.65	29.21	0
5/5/2018 20:00	7.949	27.36	6.373	15.37	29.18	0.01
5/5/2018 20:15	7.22	27.93	7.718	15.24	29.18	0
5/5/2018 20:30	8.74	25.08	8.34	15.23	29.18	0
5/5/2018 20:45	9.85	29.89	7.575	15.23	29.18	0
5/5/2018 21:00	8.39	15.64	9.42	14.91	29.17	0
5/5/2018 21:15	4.107	20.5	13.58	14.73	29.17	0
5/5/2018 21:30	2.882	338.4	66.21	14.73	29.17	0
5/5/2018 21:45	2.889	222	22.84	14.93	29.17	0
5/5/2018 22:00	3.514	346.8	74.19	14.48	29.15	0
5/5/2018 22:15	8.6	23.82	10.61	14.42	29.15	0
5/5/2018 22:30	7.892	23.04	8.25	14.26	29.15	0
5/5/2018 22:45	5.497	14.17	11.89	13.95	29.15	0
5/5/2018 23:00	7.283	26.03	9.48	13.98	29.16	0
5/5/2018 23:15	9.05	33.83	9.72	14.29	29.16	0

5/5/2018 23:30	7.091	61.25	14.01	14.31	29.16	0
5/5/2018 23:45	5.453	72.68	11.67	14.37	29.16	0
5/6/2018 0:00	3.679	85.2	10.01	14.59	29.19	0
5/6/2018 0:15	3.21	129.4	13.46	14.18	29.19	0
5/6/2018 0:30	4.55	181.3	12.1	13.77	29.19	0
5/6/2018 0:45	4.378	210.5	10.34	13.59	29.19	0
5/6/2018 1:00	1.259	202.9	10.19	13.53	29.18	0
5/6/2018 1:15	1.261	114.9	2.785	13.56	29.18	0
5/6/2018 1:30	2.232	109.4	14.51	13.77	29.18	0
5/6/2018 1:45	1.599	83.1	7.44	13.55	29.18	0
5/6/2018 2:00	3.378	29.31	13.42	13.23	29.16	0
5/6/2018 2:15	4.554	25.38	4.572	12.54	29.16	0
5/6/2018 2:30	6.363	17.93	9.32	12.65	29.16	0
5/6/2018 2:45	5.811	15.15	7.685	12.82	29.16	0
5/6/2018 3:00	5.626	23.49	8.76	12.92	29.13	0
5/6/2018 3:15	4.801	30.87	10.87	12.72	29.13	0
5/6/2018 3:30	6.605	28.14	6.936	12.43	29.13	0
5/6/2018 3:45	7.85	27.43	7.87	12.34	29.13	0
5/6/2018 4:00	6.627	21.94	10.31	12.4	29.13	0
5/6/2018 4:15	5.824	9.02	4.909	12.43	29.13	0
5/6/2018 4:30	4.427	11.96	10.6	12.74	29.13	0
5/6/2018 4:45	2.082	9.06	13.81	12.36	29.13	0
5/6/2018 5:00	0.274	6.706	1.886	12.18	29.14	0
5/6/2018 5:15	1.285	358.8	19.7	11.8	29.14	0
5/6/2018 5:30	2.71	6.057	54.87	12.01	29.14	0
5/6/2018 5:45	3.484	37.7	10.54	11.54	29.14	0
5/6/2018 6:00	4.305	38.49	10.15	11.07	29.14	0
5/6/2018 6:15	6.884	25.41	8.39	11.03	29.14	0
5/6/2018 6:30	7.15	293.9	63.82	11.41	29.14	0
5/6/2018 6:45	4.337	54.74	53.92	11.63	29.14	0
5/6/2018 7:00	4.401	17.1	14.43	11.45	29.15	0
5/6/2018 7:15	2.593	66.32	38.95	11.97	29.15	0
5/6/2018 7:30	2.141	78.25	33.08	12.63	29.15	0
5/6/2018 7:45	3.119	45.6	19	12.81	29.15	0
5/6/2018 8:00	1.214	238.4	26.52	12.78	29.18	0
5/6/2018 8:15	1.089	222.2	40.2	12.67	29.18	0
5/6/2018 8:30	2.776	225.9	14.71	12.77	29.18	0
5/6/2018 8:45	3.541	214.3	23.26	13.05	29.18	0
5/6/2018 9:00	5.069	155.7	9.52	13.05	29.18	0
5/6/2018 9:15	2.621	109.7	16.61	13.45	29.18	0
5/6/2018 9:30	4.254	135.1	20.9	14.74	29.18	0
5/6/2018 9:45	5.465	191	17.86	14.67	29.18	0
5/6/2018 10:00	1.563	155.5	25.98	14.62	29.17	0
5/6/2018 10:15	1.901	118.8	46.54	15.14	29.17	0
5/6/2018 10:30	4.452	156	25.62	15.56	29.17	0
5/6/2018 10:45	4.804	148.5	14.73	16.51	29.17	0
5/6/2018 11:00	5.587	134.7	19.8	16.62	29.21	0
5/6/2018 11:15	6.235	106.1	21.82	17.18	29.21	0
5/6/2018 11:30	4.744	114.8	20.58	18.01	29.21	0
5/6/2018 11:45	5.174	127.7	17.15	18.57	29.21	0
5/6/2018 12:00	4.722	139.3	33.39	19.56	29.19	0
5/6/2018 12:15	3.517	101.9	44.29	20.16	29.19	0
5/6/2018 12:30	2.998	222	34.65	21.08	29.19	0
5/6/2018 12:45	2.982	244.2	31.41	21.48	29.19	0
5/6/2018 13:00	5.303	203.6	17.55	21.69	29.18	0
5/6/2018 13:15	3.982	219.5	22.98	22.32	29.18	0
5/6/2018 13:30	2.719	186.6	38.53	22.64	29.18	0
5/6/2018 13:45	4.98	272.7	18.88	22.74	29.18	0
5/6/2018 14:00	5.961	278.7	25.38	22.77	29.18	0

5/6/2018 14:15	6.341	281.5	11.48	22.84	29.18	0
5/6/2018 14:30	6.103	288.3	13.03	22.69	29.18	0
5/6/2018 14:45	5.652	281.5	15.39	22.69	29.18	0
5/6/2018 15:00	6.208	280	12.79	22.72	29.18	0
5/6/2018 15:15	5.888	287.6	24.26	22.71	29.18	0
5/6/2018 15:30	8.15	282.2	11.68	22.88	29.18	0
5/6/2018 15:45	7.906	289.7	17.87	22.97	29.18	0
5/6/2018 16:00	7.17	305.2	19.58	23.21	29.18	0
5/6/2018 16:15	4.332	337.5	15.34	22.96	29.18	0
5/6/2018 16:30	7.13	257.7	16.48	22.6	29.18	0
5/6/2018 16:45	7.896	272.5	9.72	22.07	29.18	0
5/6/2018 17:00	12.25	256.3	10.13	20.75	29.19	0
5/6/2018 17:15	12.26	246.9	11.43	19.83	29.19	0
5/6/2018 17:30	12.96	233.7	9.52	19.13	29.19	0
5/6/2018 17:45	10.2	231.8	10.96	18.54	29.19	0
5/6/2018 18:00	4.238	212.7	28.74	18.27	29.23	0
5/6/2018 18:15	3.706	189.8	26.9	18.14	29.23	0
5/6/2018 18:30	3.741	148	34.33	18.11	29.23	0
5/6/2018 18:45	8.5	196.1	10.68	18.01	29.23	0
5/6/2018 19:00	9.31	195.7	6.234	17.85	29.24	0
5/6/2018 19:15	7.211	234.8	26.45	17.56	29.24	0
5/6/2018 19:30	7.108	277.8	6.941	16.17	29.24	0
5/6/2018 19:45	7.365	265.2	6.759	15.5	29.24	0
5/6/2018 20:00	6.754	262.5	6.125	15.25	29.28	0
5/6/2018 20:15	6.178	265.4	7.5	14.93	29.28	0
5/6/2018 20:30	5.018	275.1	7.786	14.31	29.28	0
5/6/2018 20:45	5.442	271	5.833	13.63	29.28	0
5/6/2018 21:00	5.355	271.8	5.218	13.22	29.29	0
5/6/2018 21:15	3.403	256	8.92	13.08	29.29	0
5/6/2018 21:30	4.401	231.2	11.25	13.12	29.29	0
5/6/2018 21:45	4.85	211	5.554	13.07	29.29	0
5/6/2018 22:00	5.833	212.1	5.407	12.88	29.31	0
5/6/2018 22:15	5.724	215.9	2.868	12.73	29.31	0
5/6/2018 22:30	5.085	213.8	5.52	12.5	29.31	0
5/6/2018 22:45	5.51	217.8	6.124	12.45	29.31	0
5/6/2018 23:00	5.788	228.9	4.373	12.4	29.32	0
5/6/2018 23:15	5.431	222.7	6.458	12.32	29.32	0
5/6/2018 23:30	6.109	222.4	7.697	12.26	29.32	0
5/6/2018 23:45	4.923	210.2	8.64	12.21	29.32	0
5/7/2018 0:00	5.828	200.3	7.332	12.11	29.33	0
5/7/2018 0:15	7.943	210.4	7.445	12.19	29.33	0
5/7/2018 0:30	5.921	193.3	9.09	12.12	29.33	0
5/7/2018 0:45	4.956	182	8.37	12.07	29.33	0
5/7/2018 1:00	4.27	167.4	9.6	11.93	29.36	0
5/7/2018 1:15	6.043	166.3	14.75	11.84	29.36	0
5/7/2018 1:30	5.988	187.7	6.586	11.95	29.36	0
5/7/2018 1:45	5.661	184.7	9.74	11.94	29.36	0
5/7/2018 2:00	6.667	185	6.719	11.79	29.35	0
5/7/2018 2:15	5.657	189.3	7.192	11.54	29.35	0
5/7/2018 2:30	5.591	211.5	16.11	11.47	29.35	0
5/7/2018 2:45	5.245	225.3	6.221	11.33	29.35	0
5/7/2018 3:00	4.986	219.6	7.248	11.25	29.38	0
5/7/2018 3:15	5.086	209.3	8.55	11.23	29.38	0
5/7/2018 3:30	5.456	213.6	10.08	11.22	29.38	0
5/7/2018 3:45	6.067	213.1	7.772	11.11	29.38	0
5/7/2018 4:00	6.078	217.5	8.65	11.12	29.38	0
5/7/2018 4:15	6.027	213.1	7.988	11.11	29.38	0
5/7/2018 4:30	5.18	209.7	9.41	11.03	29.38	0
5/7/2018 4:45	5.382	207.1	8.94	10.97	29.38	0

5/7/2018 5:00	3.291	264.8	27.36	10.82	29.39	0
5/7/2018 5:15	2.96	271.5	8.67	10.57	29.39	0
5/7/2018 5:30	3.769	243	8.12	10.69	29.39	0
5/7/2018 5:45	3.199	223.9	7.876	10.76	29.39	0
5/7/2018 6:00	2.709	222.1	6.808	10.77	29.4	0
5/7/2018 6:15	3.487	233.1	9.5	10.78	29.4	0
5/7/2018 6:30	3.727	215.2	10.63	10.93	29.4	0
5/7/2018 6:45	3.883	219.2	11.26	11.02	29.4	0
5/7/2018 7:00	3.228	189.4	16.56	11.07	29.4	0
5/7/2018 7:15	3.508	189.1	15.14	11.03	29.4	0
5/7/2018 7:30	2.804	199.9	9.9	11.12	29.4	0
5/7/2018 7:45	2.312	178.3	19.65	11.29	29.4	0
5/7/2018 8:00	3.304	217.8	10.67	11.34	29.39	0
5/7/2018 8:15	3.247	231.6	19.11	11.6	29.39	0
5/7/2018 8:30	3.861	236.5	12.96	11.61	29.39	0
5/7/2018 8:45	3.875	244.2	17.8	11.81	29.39	0
5/7/2018 9:00	4.003	275.2	16.7	11.94	29.42	0
5/7/2018 9:15	2.695	241.2	28.19	12.4	29.42	0
5/7/2018 9:30	3.688	264.3	17.85	12.47	29.42	0
5/7/2018 9:45	2.158	215.3	41.23	12.73	29.42	0
5/7/2018 10:00	1.799	163.6	53.48	13.26	29.42	0
5/7/2018 10:15	2.093	205.3	23.93	13.38	29.42	0
5/7/2018 10:30	3.42	253.8	32.12	13.8	29.42	0
5/7/2018 10:45	2.53	249	40.82	14.03	29.42	0
5/7/2018 11:00	2.379	217.8	33.72	14.46	29.42	0
5/7/2018 11:15	3.249	191.3	20.12	14.59	29.42	0
5/7/2018 11:30	1.126	183	29.63	14.94	29.42	0
5/7/2018 11:45	1.944	114.8	63.5	14.94	29.42	0
5/7/2018 12:00	2.823	157	33.27	15.06	29.42	0
5/7/2018 12:15	2.138	136.2	36.28	15.63	29.42	0
5/7/2018 12:30	2.683	137	55.14	15.85	29.42	0
5/7/2018 12:45	1.725	281.7	84.4	16.08	29.42	0
5/7/2018 13:00	2.649	66.15	29.2	16.12	29.41	0
5/7/2018 13:15	2.699	14.33	14.53	16.23	29.41	0
5/7/2018 13:30	2.573	355.8	24.03	16.64	29.41	0
5/7/2018 13:45	1.866	29.77	83.4	16.92	29.41	0
5/7/2018 14:00	2.137	337.3	38.22	17.94	29.39	0
5/7/2018 14:15	2.379	59.45	74.73	18.24	29.39	0
5/7/2018 14:30	2.499	315.7	23.9	18.27	29.39	0
5/7/2018 14:45	3.24	318.1	30.62	18.76	29.39	0
5/7/2018 15:00	3.652	271.1	41.73	19.31	29.37	0
5/7/2018 15:15	5.16	287.8	18.77	19.18	29.37	0
5/7/2018 15:30	3.844	332.9	43.41	19.33	29.37	0
5/7/2018 15:45	2.919	259.1	62.26	19.81	29.37	0
5/7/2018 16:00	2.543	275.8	27.74	19.83	29.34	0
5/7/2018 16:15	3.522	295.8	33.49	19.77	29.34	0
5/7/2018 16:30	4.874	255.3	16.52	19.62	29.34	0
5/7/2018 16:45	5.471	280.1	13.38	19.6	29.34	0
5/7/2018 17:00	5.775	291.6	21.66	19.75	29.34	0
5/7/2018 17:15	4.607	290.5	26.29	19.67	29.34	0
5/7/2018 17:30	4.668	285.9	15.92	19.63	29.34	0
5/7/2018 17:45	6.323	270.9	13.91	19.49	29.34	0
5/7/2018 18:00	7.989	266.6	10.55	19.17	29.34	0
5/7/2018 18:15	6.458	281.3	13.75	18.9	29.34	0
5/7/2018 18:30	6.287	305.9	7.824	18.65	29.34	0
5/7/2018 18:45	5.912	300.3	4.95	18.25	29.34	0
5/7/2018 19:00	5.861	301.5	5.051	17.68	29.31	0
5/7/2018 19:15	5.95	319.7	3.553	16.98	29.31	0
5/7/2018 19:30	6.552	319.2	2.11	16.39	29.31	0

5/7/2018 19:45	5.451	330.8	10.8	16.26	29.31	0
5/7/2018 20:00	5.734	347.3	14.84	16.43	29.32	0
5/7/2018 20:15	6.201	8.19	7.049	16.27	29.32	0
5/7/2018 20:30	4.527	9.52	10.09	16.1	29.32	0
5/7/2018 20:45	4.147	23.83	7.876	15.38	29.32	0
5/7/2018 21:00	5.514	39.92	5.101	14.77	29.31	0
5/7/2018 21:15	6.33	34.52	4.886	14.36	29.31	0
5/7/2018 21:30	5.132	32.57	7.17	14.02	29.31	0
5/7/2018 21:45	4.725	22.33	11.06	14.05	29.31	0
5/7/2018 22:00	2.148	326.2	57.37	14.12	29.33	0
5/7/2018 22:15	1.4	58.41	74.95	14.51	29.33	0
5/7/2018 22:30	4.556	37.77	10.34	13.31	29.33	0
5/7/2018 22:45	6.148	38.73	7.189	13.14	29.33	0
5/7/2018 23:00	5.024	38.08	7.903	13.25	29.31	0
5/7/2018 23:15	4.555	39.28	7.138	13.11	29.31	0
5/7/2018 23:30	3.539	42.77	5.852	12.94	29.31	0
5/7/2018 23:45	4.362	56.87	7.499	12.7	29.31	0
5/8/2018 0:00	3.583	48.66	2.362	12.96	29.33	0
5/8/2018 0:15	3.717	39.07	5.314	12.94	29.33	0
5/8/2018 0:30	4.323	24.64	5.901	12.9	29.33	0
5/8/2018 0:45	4.162	30.38	4.381	12.42	29.33	0
5/8/2018 1:00	3.462	39.19	10.18	12.23	29.31	0
5/8/2018 1:15	4.273	31.04	9.25	11.67	29.31	0
5/8/2018 1:30	3.351	22.41	8.52	12.01	29.31	0
5/8/2018 1:45	2.203	38.12	3.793	11.93	29.31	0
5/8/2018 2:00	0.447	41.06	1.372	11.97	29.3	0
5/8/2018 2:15	1.831	46.32	0.524	12.16	29.3	0
5/8/2018 2:30	0.281	47.39	0.893	12.03	29.3	0
5/8/2018 2:45	1.913	35.13	9.8	11.65	29.3	0
5/8/2018 3:00	3.912	21.13	6.403	11.44	29.3	0
5/8/2018 3:15	3.806	19.31	8.78	10.98	29.3	0
5/8/2018 3:30	4.247	20.23	6.152	10.87	29.3	0
5/8/2018 3:45	3.078	36.32	3.766	10.92	29.3	0
5/8/2018 4:00	2.372	22.28	0.521	10.74	29.29	0
5/8/2018 4:15	3.21	20.73	1.272	10.8	29.29	0
5/8/2018 4:30	2.195	19.64	0.499	10.71	29.29	0
5/8/2018 4:45	3.027	16.71	4.591	10.77	29.29	0
5/8/2018 5:00	3.991	13.87	4.587	10.57	29.27	0
5/8/2018 5:15	2.957	25.47	5.575	10.07	29.27	0
5/8/2018 5:30	1.832	23.11	2.216	10.14	29.27	0
5/8/2018 5:45	0.768	32.94	1.509	10.43	29.27	0
5/8/2018 6:00	0.54	352.4	19.49	11.15	29.27	0
5/8/2018 6:15	1.256	353	1.184	11.28	29.27	0
5/8/2018 6:30	0.303	355	0.026	12.13	29.27	0
5/8/2018 6:45	1.739	10.81	9.51	12.58	29.27	0
5/8/2018 7:00	2.087	315	28.92	13.16	29.23	0
5/8/2018 7:15	3.85	318.3	22.18	14.03	29.23	0
5/8/2018 7:30	2.571	350.5	17.56	14.37	29.23	0
5/8/2018 7:45	1.63	3.982	31.44	14.71	29.23	0
5/8/2018 8:00	1.489	65.9	47.81	15.25	29.23	0
5/8/2018 8:15	3.387	266.6	17	15.34	29.23	0
5/8/2018 8:30	2.681	308.6	14.94	15.49	29.23	0
5/8/2018 8:45	1.627	307.8	22.16	15.98	29.23	0
5/8/2018 9:00	2.463	354.4	60.11	16.65	29.2	0
5/8/2018 9:15	2.672	332.6	15.72	17	29.2	0
5/8/2018 9:30	1.915	26.7	58.35	17.77	29.2	0
5/8/2018 9:45	2.546	58.16	51.35	18.45	29.2	0
5/8/2018 10:00	1.918	9.97	32.41	18.65	29.19	0
5/8/2018 10:15	3.27	324.2	28.89	19.39	29.19	0

5/8/2018 10:30	2.97	328.5	48.85	19.77	29.19	0
5/8/2018 10:45	5.265	299.1	15.88	20.52	29.19	0
5/8/2018 11:00	5.91	278.9	18.15	20.77	29.16	0
5/8/2018 11:15	7.539	272.5	9.67	20.89	29.16	0
5/8/2018 11:30	7.03	275.2	9.41	20.8	29.16	0
5/8/2018 11:45	7.593	278.5	10.33	21.11	29.16	0
5/8/2018 12:00	5.754	274.6	15.52	21.44	29.14	0
5/8/2018 12:15	6.522	278.7	14.05	21.96	29.14	0
5/8/2018 12:30	6.477	270.8	12.17	22.36	29.14	0
5/8/2018 12:45	7.217	269.9	13.58	22.55	29.14	0
5/8/2018 13:00	8.7	259.7	15.63	22.98	29.11	0
5/8/2018 13:15	10.12	258.3	13.59	22.88	29.11	0
5/8/2018 13:30	9.31	252.9	10.44	23.01	29.11	0
5/8/2018 13:45	9.23	245.4	9.74	23.18	29.11	0
5/8/2018 14:00	7.453	256.3	19.2	23.57	29.1	0
5/8/2018 14:15	6.574	279.6	14.27	23.91	29.1	0
5/8/2018 14:30	8.47	259.6	14.07	23.99	29.1	0
5/8/2018 14:45	9.22	276.5	9.58	23.51	29.1	0
5/8/2018 15:00	7.809	271.7	13.32	23.48	29.12	0
5/8/2018 15:15	10.02	217.1	11.71	23.61	29.12	0
5/8/2018 15:30	10.51	214.6	6.976	23.02	29.12	0
5/8/2018 15:45	8.69	213.6	11.05	22.47	29.12	0
5/8/2018 16:00	7.409	224.5	11.38	22.27	29.12	0
5/8/2018 16:15	6.638	215.8	8.66	21.99	29.12	0
5/8/2018 16:30	8.35	196.5	9.16	20.63	29.12	0.01
5/8/2018 16:45	8.29	210.6	12.72	19.81	29.12	0.02
5/8/2018 17:00	10.14	200.8	11.31	17.95	29.14	0.04
5/8/2018 17:15	4.865	144	29.16	17.02	29.14	0.04
5/8/2018 17:30	5.427	115	14.81	16.56	29.14	0.01
5/8/2018 17:45	5.043	109.2	10.81	16.44	29.14	0.01
5/8/2018 18:00	6.572	96.3	9.17	16.48	29.13	0
5/8/2018 18:15	5.091	85.2	11.62	16.59	29.13	0
5/8/2018 18:30	2.706	12.93	50.02	16.94	29.13	0
5/8/2018 18:45	2.016	43.51	61.15	16.65	29.13	0
5/8/2018 19:00	4.8	43.14	6.907	15.92	29.11	0
5/8/2018 19:15	5.526	41.54	7.588	15.76	29.11	0
5/8/2018 19:30	3.936	40.82	9.24	15.6	29.11	0
5/8/2018 19:45	4.392	20.18	12	15.16	29.11	0
5/8/2018 20:00	3.14	21.1	7.109	14.98	29.12	0
5/8/2018 20:15	1.73	353.7	84.6	14.82	29.12	0
5/8/2018 20:30	3.377	212.9	12.08	15.23	29.12	0
5/8/2018 20:45	5.762	225.6	6.168	15.19	29.12	0
5/8/2018 21:00	5.808	265.6	11.78	15.17	29.14	0
5/8/2018 21:15	3.547	308.6	31.26	14.25	29.14	0
5/8/2018 21:30	4.167	296.9	9.75	14.36	29.14	0
5/8/2018 21:45	3.664	261.7	20.46	14.99	29.14	0
5/8/2018 22:00	2.224	231.5	25.3	14.82	29.13	0
5/8/2018 22:15	1.279	120.7	6.161	14.48	29.13	0
5/8/2018 22:30	4.039	202.2	19.6	14.58	29.13	0
5/8/2018 22:45	4.02	199.6	7.408	14.11	29.13	0
5/8/2018 23:00	4.345	208.3	10.3	14.2	29.15	0
5/8/2018 23:15	8.15	216.5	11.39	13.94	29.15	0
5/8/2018 23:30	7.269	227.4	12.6	13.43	29.15	0.02
5/8/2018 23:45	2.95	249.6	24.8	12.98	29.15	0
5/9/2018 0:00	2.058	189.2	24.32	12.79	29.13	0
5/9/2018 0:15	1.058	106.6	38.97	12.79	29.13	0
5/9/2018 0:30	0.915	39.62	54.42	12.73	29.13	0
5/9/2018 0:45	3.343	247.5	8.92	12.91	29.13	0.01
5/9/2018 1:00	2.509	217.7	8.52	12.75	29.17	0

5/9/2018 1:15	2.845	179.4	24.85	12.56	29.17	0
5/9/2018 1:30	3.271	126.1	21.87	12.34	29.17	0.01
5/9/2018 1:45	5.524	125	14.6	12.2	29.17	0
5/9/2018 2:00	6.635	139.5	7.454	12.25	29.16	0
5/9/2018 2:15	5.06	146.7	11.34	12.33	29.16	0
5/9/2018 2:30	4.844	152.8	18.09	12.38	29.16	0
5/9/2018 2:45	3.955	168.7	13.3	12.39	29.16	0
5/9/2018 3:00	3.824	158.9	10	12.37	29.18	0
5/9/2018 3:15	3.017	145	8.99	12.3	29.18	0
5/9/2018 3:30	1.996	134.5	9.52	12.32	29.18	0
5/9/2018 3:45	2.042	120.8	51.79	12.36	29.18	0
5/9/2018 4:00	3.568	144.7	37.95	12.63	29.18	0
5/9/2018 4:15	2.865	163.4	23.22	12.57	29.18	0
5/9/2018 4:30	2.697	194	9.3	12.57	29.18	0
5/9/2018 4:45	0.671	238.7	46.55	12.68	29.18	0
5/9/2018 5:00	2.957	270.4	39.61	12.73	29.18	0
5/9/2018 5:15	4.79	266.5	29.67	12.6	29.18	0
5/9/2018 5:30	6.863	235.8	8.4	12.45	29.18	0
5/9/2018 5:45	7.768	251.7	12.77	12.24	29.18	0.01
5/9/2018 6:00	9.22	227.7	12.67	11.87	29.22	0.01
5/9/2018 6:15	5.953	202.9	19.62	11.85	29.22	0
5/9/2018 6:30	2.658	151.4	14.24	11.6	29.22	0
5/9/2018 6:45	2.325	130.7	21.23	11.54	29.22	0
5/9/2018 7:00	2.37	131.7	8.6	11.59	29.21	0
5/9/2018 7:15	1.128	114	21.84	11.73	29.21	0
5/9/2018 7:30	3.419	153.8	21.2	11.97	29.21	0
5/9/2018 7:45	4.316	174.2	12.14	12.18	29.21	0
5/9/2018 8:00	7.211	204.2	18.73	12.33	29.24	0
5/9/2018 8:15	8.63	243.8	13.27	12.51	29.24	0
5/9/2018 8:30	8.81	246.2	9.34	12.53	29.24	0
5/9/2018 8:45	9.73	243	12.15	12.66	29.24	0
5/9/2018 9:00	8.13	233.8	12.45	12.81	29.24	0
5/9/2018 9:15	7.527	236.9	15.57	13.07	29.24	0
5/9/2018 9:30	7.866	240.7	22.39	13.45	29.24	0
5/9/2018 9:45	9.94	235.2	15.42	13.27	29.24	0
5/9/2018 10:00	8.43	249.2	10.57	13	29.26	0
5/9/2018 10:15	7.48	226.9	13.72	13.34	29.26	0
5/9/2018 10:30	8.04	225.1	12.68	13.67	29.26	0
5/9/2018 10:45	7.175	211.4	12.21	13.76	29.26	0
5/9/2018 11:00	5.903	241.2	29.33	14.49	29.25	0
5/9/2018 11:15	10.14	244.3	12.57	14.11	29.25	0
5/9/2018 11:30	12.22	261.9	13.5	14.02	29.25	0
5/9/2018 11:45	15.67	243.5	8.93	13.34	29.25	0
5/9/2018 12:00	9.68	245.6	11.69	12.94	29.25	0
5/9/2018 12:15	8.78	236.2	11.02	13.3	29.25	0
5/9/2018 12:30	6.196	209.7	18.79	13.79	29.25	0
5/9/2018 12:45	5.917	207.8	19.31	14.02	29.25	0
5/9/2018 13:00	5.889	164.2	18.35	14.16	29.25	0
5/9/2018 13:15	5.487	166.3	33.93	14.42	29.25	0
5/9/2018 13:30	6.325	200.4	21.51	14.08	29.25	0
5/9/2018 13:45	6.724	190.3	8.13	13.77	29.25	0
5/9/2018 14:00	5.816	184.6	11.58	14.16	29.25	0
5/9/2018 14:15	5.872	179.7	19.48	14.91	29.25	0
5/9/2018 14:30	6.613	172.4	25.95	15.06	29.25	0
5/9/2018 14:45	7.706	176.5	14.87	15.1	29.25	0
5/9/2018 15:00	9.52	152.1	9.03	14.56	29.26	0
5/9/2018 15:15	6.131	130.9	22.19	14.73	29.26	0
5/9/2018 15:30	4.498	115.6	97.7	14.85	29.26	0
5/9/2018 15:45	3.866	83.4	41.21	15.01	29.26	0

5/9/2018 16:00	4.889	148.2	25.59	14.62	29.23	0
5/9/2018 16:15	5.786	167.3	18.69	14.44	29.23	0
5/9/2018 16:30	8.36	249.2	22.78	15.23	29.23	0
5/9/2018 16:45	12.25	253.2	11.84	15.48	29.23	0
5/9/2018 17:00	11.55	254.1	10.23	15.33	29.25	0
5/9/2018 17:15	12.15	246.6	10.12	15.04	29.25	0
5/9/2018 17:30	11.38	240.4	12.39	14.64	29.25	0
5/9/2018 17:45	11.22	244	13.36	14.6	29.25	0
5/9/2018 18:00	9.92	248.8	11.1	14.72	29.24	0
5/9/2018 18:15	8.78	242	15.93	14.65	29.24	0
5/9/2018 18:30	12.94	229.8	8.09	14.3	29.24	0
5/9/2018 18:45	10.2	236.5	10.66	14.19	29.24	0
5/9/2018 19:00	9.35	247.3	12.47	13.73	29.24	0
5/9/2018 19:15	7.37	241.3	10.1	13.28	29.24	0
5/9/2018 19:30	6.714	243.9	8.24	12.89	29.24	0
5/9/2018 19:45	5.774	258.8	8.47	12.57	29.24	0
5/9/2018 20:00	6.105	253.9	8.53	12.43	29.27	0
5/9/2018 20:15	6.411	244.2	8.27	12.31	29.27	0
5/9/2018 20:30	7.031	226.9	7.24	12.25	29.27	0
5/9/2018 20:45	8.51	219.7	9.14	12.2	29.27	0
5/9/2018 21:00	7.181	241.5	15.6	11.91	29.26	0
5/9/2018 21:15	6.549	255.7	6.558	11.59	29.26	0
5/9/2018 21:30	6.091	233	6.822	11.55	29.26	0
5/9/2018 21:45	6.626	214.4	6.346	11.52	29.26	0
5/9/2018 22:00	7.329	212.8	7.308	11.35	29.25	0
5/9/2018 22:15	6.263	214.3	10.3	11.36	29.25	0
5/9/2018 22:30	3.026	220.3	14.14	11.22	29.25	0
5/9/2018 22:45	3.477	252.9	11.83	11.17	29.25	0
5/9/2018 23:00	3.226	294.8	34.17	10.96	29.26	0
5/9/2018 23:15	1.018	295.4	18.28	10.84	29.26	0
5/9/2018 23:30	3.591	259.9	18.26	10.88	29.26	0
5/9/2018 23:45	4.551	229.9	13.16	10.93	29.26	0
5/10/2018 0:00	8.48	242.9	7.47	10.76	29.27	0
5/10/2018 0:15	9.05	243.3	7.484	10.55	29.27	0
5/10/2018 0:30	7.819	237	8.2	10.31	29.27	0
5/10/2018 0:45	6.501	226.1	7.851	10.18	29.27	0
5/10/2018 1:00	4.272	201.5	16.31	10	29.26	0
5/10/2018 1:15	2.872	180	32.52	9.86	29.26	0
5/10/2018 1:30	4.797	182.8	13.86	9.67	29.26	0
5/10/2018 1:45	1.382	132.4	18.11	9.43	29.26	0
5/10/2018 2:00	0.349	97.2	0.226	9.34	29.25	0
5/10/2018 2:15	1.611	191.3	19.14	9.75	29.25	0
5/10/2018 2:30	1.347	261.3	27.81	9.85	29.25	0
5/10/2018 2:45	0.194	284.6	0.53	9.82	29.25	0
5/10/2018 3:00	0.837	209.9	39.49	9.75	29.26	0
5/10/2018 3:15	2.699	177.6	20.25	9.7	29.26	0
5/10/2018 3:30	4.45	183.9	9.17	9.4	29.26	0
5/10/2018 3:45	3.443	170.7	15.63	9.1	29.26	0
5/10/2018 4:00	3.415	174.3	9.62	9.24	29.25	0
5/10/2018 4:15	4.062	164.9	12.74	8.94	29.25	0
5/10/2018 4:30	3.598	169.4	14.48	9.18	29.25	0
5/10/2018 4:45	3.615	180.8	9.17	8.87	29.25	0
5/10/2018 5:00	6.026	158.9	9.47	8.93	29.25	0
5/10/2018 5:15	6.076	154.1	6.652	8.98	29.25	0
5/10/2018 5:30	5.48	165.6	6.722	9.04	29.25	0
5/10/2018 5:45	3.561	160.1	6.576	9.04	29.25	0
5/10/2018 6:00	3.535	161.3	10.07	9.09	29.28	0
5/10/2018 6:15	3.878	175.2	14.07	9.25	29.28	0
5/10/2018 6:30	5.033	183.1	8.83	9.38	29.28	0

5/10/2018 6:45	5.072	184.3	8.4	9.37	29.28	0
5/10/2018 7:00	5.905	186.5	5.587	9.38	29.27	0
5/10/2018 7:15	7.3	191.3	8.44	9.48	29.27	0
5/10/2018 7:30	6.346	194.1	9.94	9.03	29.27	0.01
5/10/2018 7:45	4.752	212.8	8.98	9.16	29.27	0
5/10/2018 8:00	5.882	217.3	8.7	9.34	29.27	0
5/10/2018 8:15	6.612	195.2	16.71	9.43	29.27	0
5/10/2018 8:30	6.87	204.4	10.22	9.45	29.27	0.01
5/10/2018 8:45	7.087	212.5	11.63	9.6	29.27	0
5/10/2018 9:00	6.981	207.3	11.77	10.07	29.29	0
5/10/2018 9:15	7.505	212.1	9.17	10.33	29.29	0
5/10/2018 9:30	7.855	204	12.32	10.33	29.29	0
5/10/2018 9:45	8.2	196.8	14.43	10.35	29.29	0
5/10/2018 10:00	6.594	189.5	8.59	10.14	29.29	0
5/10/2018 10:15	7.385	185.5	9.47	10.06	29.29	0.01
5/10/2018 10:30	6.115	209.5	28	10.15	29.29	0.01
5/10/2018 10:45	4.387	269.6	15.68	10.36	29.29	0
5/10/2018 11:00	3.317	271.7	18.09	10.7	29.29	0
5/10/2018 11:15	2.051	228.3	46.18	11.26	29.29	0
5/10/2018 11:30	3.083	120.1	55.09	11.24	29.29	0
5/10/2018 11:45	1.787	35.64	66.7	10.87	29.29	0
5/10/2018 12:00	4.224	240.8	18.45	11.81	29.27	0
5/10/2018 12:15	2.857	266.4	29.2	12.52	29.27	0
5/10/2018 12:30	3.164	222.9	51.73	13.03	29.27	0
5/10/2018 12:45	3.785	232.9	46.09	13.11	29.27	0
5/10/2018 13:00	1.848	3.209	36.36	12.1	29.29	0.01
5/10/2018 13:15	8.07	236.7	21.06	12	29.29	0
5/10/2018 13:30	8.15	255.4	8.67	11.68	29.29	0
5/10/2018 13:45	9.1	256	10.08	12.16	29.29	0
5/10/2018 14:00	11.06	265.5	9.4	12.51	29.28	0
5/10/2018 14:15	12.54	258.8	9.72	13.29	29.28	0
5/10/2018 14:30	13.45	257.8	12.35	13.5	29.28	0
5/10/2018 14:45	10.01	272.1	14.01	13.3	29.28	0
5/10/2018 15:00	10.46	263.8	14.72	13.54	29.28	0
5/10/2018 15:15	14.25	260.3	11.32	13.62	29.28	0
5/10/2018 15:30	12.08	257.8	15.41	13.72	29.28	0
5/10/2018 15:45	11.78	255.6	11.27	13.66	29.28	0
5/10/2018 16:00	8.93	263.5	14.87	13.62	29.3	0
5/10/2018 16:15	8.13	305.5	40.05	13.75	29.3	0
5/10/2018 16:30	6.999	29.79	18.97	11.92	29.3	0
5/10/2018 16:45	6.662	38.76	14.84	11.54	29.3	0
5/10/2018 17:00	5.119	68.63	13.11	11.39	29.29	0
5/10/2018 17:15	2.202	67.03	27.09	11.6	29.29	0
5/10/2018 17:30	3.971	106.6	28.55	11.63	29.29	0
5/10/2018 17:45	4.182	143.9	7.483	11.12	29.29	0
5/10/2018 18:00	3.043	105.7	26.7	11.04	29.31	0
5/10/2018 18:15	3.051	142.8	20.47	10.78	29.31	0
5/10/2018 18:30	4.627	176.9	15.64	10.59	29.31	0
5/10/2018 18:45	4.556	181.2	14.31	10.41	29.31	0
5/10/2018 19:00	6.232	199.3	22.68	10.1	29.31	0
5/10/2018 19:15	6.772	181.6	10.27	9.98	29.31	0
5/10/2018 19:30	5.989	168.3	26.67	9.92	29.31	0
5/10/2018 19:45	3.762	122	23.23	9.48	29.31	0
5/10/2018 20:00	3.052	90.2	9.13	9.18	29.34	0
5/10/2018 20:15	3.785	110.8	5.266	9.3	29.34	0
5/10/2018 20:30	2.593	119.8	48.86	9.4	29.34	0
5/10/2018 20:45	3.919	186.7	28.58	9.53	29.34	0
5/10/2018 21:00	3.704	164.5	11.24	9.47	29.36	0
5/10/2018 21:15	2.52	121.9	43.64	9.27	29.36	0

5/10/2018 21:30	2.8	152.8	28.76	9.28	29.36	0
5/10/2018 21:45	2.041	101.1	61.72	9.28	29.36	0
5/10/2018 22:00	2.071	89.2	65.11	9.29	29.36	0
5/10/2018 22:15	4.821	158.4	12.46	9.64	29.36	0
5/10/2018 22:30	1.978	91.3	19.91	9.45	29.36	0
5/10/2018 22:45	2.269	39.86	14.54	9.2	29.36	0
5/10/2018 23:00	3.115	21.82	8.53	9.12	29.36	0
5/10/2018 23:15	5.413	12.9	6.221	9.31	29.36	0
5/10/2018 23:30	5.897	26.95	12.83	9.46	29.36	0
5/10/2018 23:45	5.776	23.98	10.83	9.37	29.36	0
5/11/2018 0:00	2.568	13.19	30.04	9.41	29.37	0
5/11/2018 0:15	1.594	41.58	40.08	9.41	29.37	0
5/11/2018 0:30	2.74	8.71	18.57	9.34	29.37	0
5/11/2018 0:45	4.551	18.18	14.58	9.26	29.37	0
5/11/2018 1:00	4.378	27.02	15.27	9.14	29.38	0
5/11/2018 1:15	5.989	43.04	13.73	9.13	29.38	0
5/11/2018 1:30	4.025	16.08	32.52	9.21	29.38	0
5/11/2018 1:45	4.212	13.5	16.86	9.18	29.38	0
5/11/2018 2:00	5.199	16.34	19.71	9.14	29.39	0
5/11/2018 2:15	4.447	24.09	14.97	9.08	29.39	0
5/11/2018 2:30	4.44	25.72	21.73	9.1	29.39	0
5/11/2018 2:45	4.433	28.92	11.38	8.95	29.39	0
5/11/2018 3:00	4.918	24.6	8.87	8.87	29.38	0
5/11/2018 3:15	3.58	32.35	8.89	8.72	29.38	0
5/11/2018 3:30	4.752	38.51	11.8	8.92	29.38	0
5/11/2018 3:45	4.148	34.44	16.24	8.96	29.38	0
5/11/2018 4:00	5.579	44.99	12.99	8.72	29.39	0
5/11/2018 4:15	2.86	81.9	23.93	8.51	29.39	0
5/11/2018 4:30	0.827	98.5	10.47	8.45	29.39	0
5/11/2018 4:45	2.17	11.63	14.14	8.93	29.39	0
5/11/2018 5:00	3.569	25.8	23.58	8.95	29.4	0
5/11/2018 5:15	1.926	115.8	71.94	8.85	29.4	0
5/11/2018 5:30	0.911	73.5	21.23	8.87	29.4	0
5/11/2018 5:45	2.474	11.75	21.1	8.88	29.4	0
5/11/2018 6:00	0.844	343.8	17.97	8.87	29.4	0
5/11/2018 6:15	0.685	16.25	2.632	8.71	29.4	0
5/11/2018 6:30	0.064	14.98	0.911	8.77	29.4	0
5/11/2018 6:45	1.96	321.2	23.42	9.03	29.4	0
5/11/2018 7:00	0.977	328.2	8.06	9.01	29.44	0
5/11/2018 7:15	0.887	335.1	11.49	9.06	29.44	0
5/11/2018 7:30	0.909	128.8	62.4	8.98	29.44	0
5/11/2018 7:45	1.027	186.3	15.62	8.95	29.44	0
5/11/2018 8:00	1.2	175.9	41.31	9.05	29.45	0
5/11/2018 8:15	2.372	141.7	12.23	9.07	29.45	0
5/11/2018 8:30	2.374	148.1	13.42	9.1	29.45	0
5/11/2018 8:45	1.235	130.4	25.04	9.22	29.45	0
5/11/2018 9:00	3.182	154.3	31.05	9.34	29.44	0
5/11/2018 9:15	3.619	157.1	15.67	9.19	29.44	0
5/11/2018 9:30	3.27	143.5	10.35	9.28	29.44	0
5/11/2018 9:45	2.346	119.3	17.45	9.43	29.44	0
5/11/2018 10:00	2.538	82.4	26.11	9.55	29.44	0
5/11/2018 10:15	3.567	46.48	9.65	9.67	29.44	0
5/11/2018 10:30	4.713	27.56	10.73	9.88	29.44	0
5/11/2018 10:45	4.324	16.91	13.94	10.38	29.44	0
5/11/2018 11:00	5.223	26.25	14.22	10.72	29.44	0
5/11/2018 11:15	4.837	357.8	20.63	11.06	29.44	0
5/11/2018 11:30	4.111	345.3	29.89	11.54	29.44	0
5/11/2018 11:45	4.25	331.3	22.57	11.99	29.44	0
5/11/2018 12:00	3.787	351.2	17.3	12.32	29.45	0

5/11/2018 12:15	5.888	345.7	18.62	12.78	29.45	0
5/11/2018 12:30	6.787	13.74	23.9	13.02	29.45	0
5/11/2018 12:45	6.68	33.52	19.57	13.37	29.45	0
5/11/2018 13:00	8.09	38.32	15.5	13.36	29.42	0
5/11/2018 13:15	8.35	47.88	13.09	13.64	29.42	0
5/11/2018 13:30	7.794	34.07	19.74	14.09	29.42	0
5/11/2018 13:45	7.072	40.13	23.14	14.05	29.42	0
5/11/2018 14:00	5.367	6.752	25.17	14.61	29.42	0
5/11/2018 14:15	6.929	1.966	31.94	15.35	29.42	0
5/11/2018 14:30	6.14	28.48	15.29	15.33	29.42	0
5/11/2018 14:45	6.501	25.92	19.78	15.52	29.42	0
5/11/2018 15:00	6.55	30.35	11.94	14.72	29.41	0
5/11/2018 15:15	2.07	43.64	55.1	14.95	29.41	0
5/11/2018 15:30	5.268	328.1	30.43	15.95	29.41	0
5/11/2018 15:45	4.597	21.4	22.84	15.66	29.41	0
5/11/2018 16:00	5.263	23.27	16.64	16.09	29.4	0
5/11/2018 16:15	6.615	23.7	14.69	15.76	29.4	0
5/11/2018 16:30	7.019	26.01	14.04	15.76	29.4	0
5/11/2018 16:45	6.238	28.17	13.35	16.02	29.4	0
5/11/2018 17:00	6.796	19.33	19.84	16.13	29.39	0
5/11/2018 17:15	8.06	29.68	10.88	15.89	29.39	0
5/11/2018 17:30	6.305	31.1	11.66	15.87	29.39	0
5/11/2018 17:45	5.449	24.56	10.96	15.86	29.39	0
5/11/2018 18:00	5.683	28.36	9.35	15.78	29.38	0
5/11/2018 18:15	5.807	21.4	5.867	15.63	29.38	0
5/11/2018 18:30	5.544	25.28	7.99	15.38	29.38	0
5/11/2018 18:45	5.21	22.03	5.184	15.21	29.38	0
5/11/2018 19:00	4.555	28.57	4.513	15.05	29.38	0
5/11/2018 19:15	1.457	34.09	0.308	15.54	29.38	0
5/11/2018 19:30	0.693	4.423	5.561	15.42	29.38	0
5/11/2018 19:45	1.269	4.447	2.086	15.05	29.38	0
5/11/2018 20:00	2.266	19.11	6.317	14.38	29.38	0
5/11/2018 20:15	1.769	23.86	0.531	13.63	29.38	0
5/11/2018 20:30	1.942	26.78	1.304	13.53	29.38	0
5/11/2018 20:45	2.315	35.45	9.73	13.43	29.38	0
5/11/2018 21:00	2.041	37.86	2.962	12.96	29.37	0
5/11/2018 21:15	2.31	63.92	34.62	12.82	29.37	0
5/11/2018 21:30	2.273	135.6	12.76	12.43	29.37	0
5/11/2018 21:45	0.916	121.5	9.56	12.77	29.37	0
5/11/2018 22:00	3.197	164.7	22.56	11.82	29.37	0
5/11/2018 22:15	3.107	175.5	10.82	12.32	29.37	0
5/11/2018 22:30	3.186	181.4	7.1	11.7	29.37	0
5/11/2018 22:45	2.319	175.6	9.52	11.4	29.37	0
5/11/2018 23:00	0.543	164.5	3.848	11.27	29.37	0
5/11/2018 23:15	0.551	120.6	29.38	10.86	29.37	0
5/11/2018 23:30	1.947	58.01	3.828	10.81	29.37	0
5/11/2018 23:45	2.721	50.82	4.726	11.16	29.37	0
5/12/2018 0:00	1.83	58.81	2.658	10.76	29.36	0
5/12/2018 0:15	1.239	60.86	6.936	10.63	29.36	0
5/12/2018 0:30	1.036	76.44	0.524	10.8	29.36	0
5/12/2018 0:45	0.106	80.2	2.426	10.98	29.36	0
5/12/2018 1:00	0.504	90.5	0.088	11.27	29.37	0
5/12/2018 1:15	2.162	95.8	4.242	10.86	29.37	0
5/12/2018 1:30	2.549	134.2	18.28	10.19	29.37	0
5/12/2018 1:45	2.218	158.7	8.24	10.49	29.37	0
5/12/2018 2:00	1.759	141.5	0.078	10.79	29.36	0
5/12/2018 2:15	2.176	143.9	0.722	10.59	29.36	0
5/12/2018 2:30	1.052	142.5	0.843	10.31	29.36	0
5/12/2018 2:45	0.483	71.49	34.56	9.83	29.36	0

5/12/2018 3:00	2.244	9.9	1.792	9.77	29.35	0
5/12/2018 3:15	1.58	7.193	1.043	9.38	29.35	0
5/12/2018 3:30	2.377	18	7.454	8.93	29.35	0
5/12/2018 3:45	3.011	23	1.399	8.91	29.35	0
5/12/2018 4:00	3.411	26.69	5.028	8.58	29.35	0
5/12/2018 4:15	3.91	37.54	3.459	8.46	29.35	0
5/12/2018 4:30	3.851	22.64	8.6	8.55	29.35	0
5/12/2018 4:45	3.013	23.87	4.917	8.88	29.35	0
5/12/2018 5:00	2.913	37.34	5.749	9.07	29.35	0
5/12/2018 5:15	0.277	47.23	0.414	8.83	29.35	0
5/12/2018 5:30	0.355	47.23	0.073	9.34	29.35	0
5/12/2018 5:45	0.541	47.22	0.1	9.77	29.35	0
5/12/2018 6:00	1.146	47.24	0.167	10.06	29.35	0
5/12/2018 6:15	0.076	47.26	0.028	11.92	29.35	0
5/12/2018 6:30	0.23	302.3	30.32	12.18	29.35	0
5/12/2018 6:45	0.479	353.5	30.15	11.75	29.35	0
5/12/2018 7:00	0.228	3.476	3.636	12.53	29.36	0
5/12/2018 7:15	1.982	277	73.47	12.04	29.36	0
5/12/2018 7:30	1.821	35.14	19.7	12	29.36	0
5/12/2018 7:45	1.525	304.4	75.28	13.07	29.36	0
5/12/2018 8:00	1.08	325.7	47.38	13.41	29.34	0
5/12/2018 8:15	1.746	275.3	40.49	13.54	29.34	0
5/12/2018 8:30	3.267	339	23.66	13.86	29.34	0
5/12/2018 8:45	3.536	346.4	26.37	14.18	29.34	0
5/12/2018 9:00	3.377	4.015	21.03	14.74	29.32	0
5/12/2018 9:15	5.752	10.31	18.82	15.39	29.32	0
5/12/2018 9:30	8.01	12.25	20.84	15.84	29.32	0
5/12/2018 9:45	9.32	6.07	17.99	16.28	29.32	0
5/12/2018 10:00	9.32	13.38	18.25	16.47	29.3	0
5/12/2018 10:15	9.61	17.29	15.49	16.69	29.3	0
5/12/2018 10:30	9.95	12.93	19.55	16.98	29.3	0
5/12/2018 10:45	9.9	3.644	18.63	17.34	29.3	0
5/12/2018 11:00	10.61	5.746	22.7	17.7	29.29	0
5/12/2018 11:15	11.94	356.9	19.52	17.98	29.29	0
5/12/2018 11:30	13.2	8.27	13.64	18.25	29.29	0
5/12/2018 11:45	9.35	24.88	17.19	18.24	29.29	0
5/12/2018 12:00	9.36	23.65	20.7	19.2	29.25	0
5/12/2018 12:15	9.37	26.93	16.55	19.32	29.25	0
5/12/2018 12:30	8.51	357.4	28.14	19.96	29.25	0
5/12/2018 12:45	7.908	12.87	25.86	20.14	29.25	0
5/12/2018 13:00	7.891	346.1	23.64	20.47	29.22	0
5/12/2018 13:15	8.13	1.307	18.69	20.97	29.22	0
5/12/2018 13:30	7.058	2.832	21.13	21.01	29.22	0
5/12/2018 13:45	6.669	20.56	18.07	20.88	29.22	0
5/12/2018 14:00	5.698	9.15	28.14	21.32	29.23	0
5/12/2018 14:15	8.19	21.48	23.48	21.53	29.23	0
5/12/2018 14:30	7.801	13.97	18.98	21.47	29.23	0
5/12/2018 14:45	5.233	3.067	20.72	21.94	29.23	0
5/12/2018 15:00	7.733	344.5	25.73	22.26	29.21	0
5/12/2018 15:15	7.458	4.186	32.76	22.27	29.21	0
5/12/2018 15:30	7.88	337	36.08	22.42	29.21	0
5/12/2018 15:45	6.892	358.5	23.76	22.36	29.21	0
5/12/2018 16:00	8.02	345.1	22.22	22.68	29.19	0
5/12/2018 16:15	10.83	323.5	7.343	22.52	29.19	0
5/12/2018 16:30	8.4	346.5	21.54	22.42	29.19	0
5/12/2018 16:45	6.667	6.436	18.82	22.02	29.19	0
5/12/2018 17:00	7.315	348.7	22.26	22.22	29.18	0
5/12/2018 17:15	10.74	322.2	7.908	21.87	29.18	0
5/12/2018 17:30	9.27	328.4	9.75	21.63	29.18	0

5/12/2018 17:45	8.38	358.5	17.58	21.48	29.18	0
5/12/2018 18:00	9.42	355.6	18.23	21.23	29.16	0
5/12/2018 18:15	8.57	332.1	21.75	21.13	29.16	0
5/12/2018 18:30	7.464	337.6	23.24	21.05	29.16	0
5/12/2018 18:45	7.004	350.6	16.19	20.79	29.16	0
5/12/2018 19:00	7.484	15.16	23.61	20.32	29.17	0
5/12/2018 19:15	8.9	5.154	15.3	20.3	29.17	0
5/12/2018 19:30	7.543	358.5	18.28	20.11	29.17	0
5/12/2018 19:45	4.715	2.787	20.08	19.9	29.17	0
5/12/2018 20:00	2.433	293.8	36.99	19.85	29.14	0
5/12/2018 20:15	4.625	354.6	34.87	19.68	29.14	0
5/12/2018 20:30	5.267	353.3	20.23	19.59	29.14	0
5/12/2018 20:45	4.392	6.621	22.52	18.54	29.14	0
5/12/2018 21:00	3.684	3.001	10.97	17.97	29.15	0
5/12/2018 21:15	2.288	17.12	18.56	17.82	29.15	0
5/12/2018 21:30	4.951	13.57	4.914	17.05	29.15	0
5/12/2018 21:45	6.039	17.83	2.599	16.22	29.15	0
5/12/2018 22:00	5.101	16.23	8.13	16.2	29.17	0
5/12/2018 22:15	4.464	57.17	9.47	16.06	29.17	0
5/12/2018 22:30	4.339	55.89	8.26	16.06	29.17	0
5/12/2018 22:45	3.37	22.84	10.86	15.2	29.17	0
5/12/2018 23:00	5.259	24.99	6.104	15.75	29.16	0
5/12/2018 23:15	4.01	39.14	11.24	14.99	29.16	0
5/12/2018 23:30	3.817	49.52	7.909	14.79	29.16	0
5/12/2018 23:45	2.839	80.6	14.97	14.46	29.16	0
5/13/2018 0:00	2.575	102.4	7.796	15.21	29.14	0
5/13/2018 0:15	2.25	95.8	8.67	16.19	29.14	0
5/13/2018 0:30	3.451	159.5	18.78	15.83	29.14	0
5/13/2018 0:45	3.339	187.5	17.73	14.83	29.14	0
5/13/2018 1:00	1.887	106.4	20.06	14.74	29.14	0
5/13/2018 1:15	2.271	62.79	7.473	14.8	29.14	0
5/13/2018 1:30	2.287	104.1	15.78	14.92	29.14	0
5/13/2018 1:45	3.045	179.3	35.82	14.72	29.14	0
5/13/2018 2:00	2.672	191.5	11.03	14.25	29.15	0
5/13/2018 2:15	2.39	177.6	7.787	13.86	29.15	0
5/13/2018 2:30	0.809	163.4	6.261	14.24	29.15	0
5/13/2018 2:45	0.285	172.5	14.08	13.87	29.15	0
5/13/2018 3:00	3.125	215.6	4.69	13.48	29.14	0
5/13/2018 3:15	4.013	195.9	10.52	13.44	29.14	0
5/13/2018 3:30	3.934	170	12.85	13.19	29.14	0
5/13/2018 3:45	3.602	144	1.884	13.43	29.14	0
5/13/2018 4:00	1.914	153.3	13.07	13.04	29.15	0
5/13/2018 4:15	2.074	162.3	19.64	12.68	29.15	0
5/13/2018 4:30	2.357	115	5.904	12.53	29.15	0
5/13/2018 4:45	1.969	109.3	0.145	12.57	29.15	0
5/13/2018 5:00	1.854	119.5	5.086	12.87	29.16	0
5/13/2018 5:15	0.651	139.1	2.191	12.73	29.16	0
5/13/2018 5:30	1.728	36.54	70.02	12.74	29.16	0
5/13/2018 5:45	1.873	10.94	3.224	12.59	29.16	0
5/13/2018 6:00	0.459	10.53	0.097	13.72	29.16	0
5/13/2018 6:15	0.312	15.83	5.548	14.23	29.16	0
5/13/2018 6:30	1.947	121.4	18.94	14.76	29.16	0
5/13/2018 6:45	1.5	121.1	18.74	15.39	29.16	0
5/13/2018 7:00	1.9	141.5	13.92	15.49	29.16	0
5/13/2018 7:15	1.615	53.96	13.44	16.29	29.16	0
5/13/2018 7:30	2.789	2.59	22.21	15.93	29.16	0
5/13/2018 7:45	3.47	338.5	16.35	16.23	29.16	0
5/13/2018 8:00	3.906	358.2	18.26	16.33	29.17	0
5/13/2018 8:15	3.285	1.677	20.69	16.95	29.17	0

5/13/2018 8:30	3.254	348.6	17.67	17.63	29.17	0
5/13/2018 8:45	2.075	335.1	27.45	18.19	29.17	0
5/13/2018 9:00	1.973	284.5	41.1	18.92	29.14	0
5/13/2018 9:15	2.359	306.9	46.79	19.43	29.14	0
5/13/2018 9:30	2.419	326	46.31	19.87	29.14	0
5/13/2018 9:45	2.438	299.2	30.22	20.36	29.14	0
5/13/2018 10:00	2.944	311.8	32.66	20.77	29.15	0
5/13/2018 10:15	3.293	11.64	28.21	20.95	29.15	0
5/13/2018 10:30	3.809	299.3	46.2	21.36	29.15	0
5/13/2018 10:45	4.076	285	38.96	21.79	29.15	0
5/13/2018 11:00	3.674	328.5	44.26	22.56	29.13	0
5/13/2018 11:15	3.85	335.2	38.69	22.9	29.13	0
5/13/2018 11:30	6.225	269.5	17.95	23.11	29.13	0
5/13/2018 11:45	6.471	287.3	30.42	23.61	29.13	0
5/13/2018 12:00	6.046	280.9	16.66	23.87	29.12	0
5/13/2018 12:15	6.72	265.2	14.26	24.24	29.12	0
5/13/2018 12:30	6.324	270.5	12.83	24.78	29.12	0
5/13/2018 12:45	4.812	282	23.54	25.15	29.12	0
5/13/2018 13:00	6.168	287.7	19.41	25.39	29.11	0
5/13/2018 13:15	6.956	279.3	12.17	25.51	29.11	0
5/13/2018 13:30	5.684	267.3	23.85	25.86	29.11	0
5/13/2018 13:45	3.676	7.032	47.94	26.86	29.11	0
5/13/2018 14:00	6.423	20.05	17.72	26.41	29.09	0
5/13/2018 14:15	4.843	329.2	61.33	26.73	29.09	0
5/13/2018 14:30	4.746	307.6	33.6	27.21	29.09	0
5/13/2018 14:45	6.272	309.4	23.96	27.52	29.09	0
5/13/2018 15:00	6.882	280.7	15.82	27.3	29.1	0
5/13/2018 15:15	6.645	298.1	17.55	27.48	29.1	0
5/13/2018 15:30	7.026	306.4	16.09	27.79	29.1	0
5/13/2018 15:45	5.637	306.6	31.01	27.94	29.1	0
5/13/2018 16:00	5.684	314.9	21.32	28.22	29.08	0
5/13/2018 16:15	6.31	322.7	10.95	27.93	29.08	0
5/13/2018 16:30	4.64	1.929	15.39	27.66	29.08	0
5/13/2018 16:45	6.802	324	8.29	27.97	29.08	0
5/13/2018 17:00	7.646	323.6	8.41	27.9	29.07	0
5/13/2018 17:15	6.351	321.4	7.171	27.86	29.07	0
5/13/2018 17:30	5.335	350.7	23.76	27.64	29.07	0
5/13/2018 17:45	3.678	7.148	18.56	27.41	29.07	0
5/13/2018 18:00	3.69	15.17	15.3	27	29.09	0
5/13/2018 18:15	3.043	357.1	27.23	27.3	29.09	0
5/13/2018 18:30	4.119	343.3	19.83	26.87	29.09	0
5/13/2018 18:45	5.042	321.3	11.63	26.32	29.09	0
5/13/2018 19:00	4.884	321.6	10.35	25.66	29.08	0
5/13/2018 19:15	4.502	323.4	10.49	25.43	29.08	0
5/13/2018 19:30	3.942	329.9	7.883	24.71	29.08	0
5/13/2018 19:45	3.817	326.9	4.884	23.93	29.08	0
5/13/2018 20:00	2.91	320.9	9.26	23.89	29.08	0
5/13/2018 20:15	2.642	16.17	25.23	23.53	29.08	0
5/13/2018 20:30	3.717	25.9	4.734	23.11	29.08	0
5/13/2018 20:45	3.289	43.03	8.54	21.56	29.08	0
5/13/2018 21:00	1.516	84.6	24.2	20.75	29.09	0
5/13/2018 21:15	1.939	113.5	1.335	21.62	29.09	0
5/13/2018 21:30	2.193	132.8	21.45	21.18	29.09	0
5/13/2018 21:45	3.761	169.1	13.81	21.36	29.09	0
5/13/2018 22:00	3.19	142.7	8	20.76	29.11	0
5/13/2018 22:15	2.666	114.8	13.33	19.63	29.11	0
5/13/2018 22:30	1.068	100.2	4.906	19.05	29.11	0
5/13/2018 22:45	2.991	98.9	6.209	19.07	29.11	0
5/13/2018 23:00	4.171	122.4	3.843	19.63	29.12	0

5/13/2018 23:15	3.325	132.8	9.67	20.25	29.12	0
5/13/2018 23:30	2.318	196.5	38.44	19.01	29.12	0
5/13/2018 23:45	5.572	197.1	8.3	18.27	29.12	0
5/14/2018 0:00	6.009	187.1	5.132	18.01	29.12	0
5/14/2018 0:15	4.838	158.3	17.91	18.14	29.12	0
5/14/2018 0:30	2.8	126.6	11.77	18.06	29.12	0
5/14/2018 0:45	4.143	133.8	7.796	18.32	29.12	0
5/14/2018 1:00	2.05	93.6	18.19	17.41	29.11	0
5/14/2018 1:15	2.21	99.5	18.27	17.52	29.11	0
5/14/2018 1:30	3.254	139.4	13.24	17.95	29.11	0
5/14/2018 1:45	4.691	138.2	5.6	18.21	29.11	0
5/14/2018 2:00	4.512	156.7	8.38	18.08	29.13	0
5/14/2018 2:15	3.607	142.3	12.82	17.96	29.13	0
5/14/2018 2:30	3.464	134.8	8.82	18.27	29.13	0
5/14/2018 2:45	4.034	167.3	7.826	17.83	29.13	0
5/14/2018 3:00	3.494	172.6	7.586	17.69	29.14	0
5/14/2018 3:15	3.561	171	12.61	17.47	29.14	0
5/14/2018 3:30	4.492	178.3	5.926	16.68	29.14	0
5/14/2018 3:45	4.718	177.9	6.309	16.25	29.14	0
5/14/2018 4:00	3.408	170.6	9.16	16.47	29.12	0
5/14/2018 4:15	3.789	173	8.1	16.56	29.12	0
5/14/2018 4:30	6.884	202	10.85	15.76	29.12	0
5/14/2018 4:45	6.841	188.4	12.09	15.6	29.12	0
5/14/2018 5:00	5.534	166	8.62	16.17	29.13	0
5/14/2018 5:15	4.152	154.5	2.85	16	29.13	0
5/14/2018 5:30	2.948	166.5	7.228	16.5	29.13	0
5/14/2018 5:45	2.301	168.6	9.63	16.69	29.13	0
5/14/2018 6:00	2.203	189.9	9.63	17.32	29.15	0
5/14/2018 6:15	3.165	194.1	4.906	17.29	29.15	0
5/14/2018 6:30	2.91	192.4	12.44	17.21	29.15	0
5/14/2018 6:45	2.091	160.8	9.79	17.71	29.15	0
5/14/2018 7:00	2.891	150.6	9.74	18.13	29.16	0
5/14/2018 7:15	3.283	157.1	15.62	18.49	29.16	0
5/14/2018 7:30	3.836	197.6	11.7	18.44	29.16	0
5/14/2018 7:45	4.16	188.1	10.83	18.94	29.16	0
5/14/2018 8:00	3.036	199.1	13.58	19.47	29.15	0
5/14/2018 8:15	2.22	190.1	25.13	20.22	29.15	0
5/14/2018 8:30	3.233	214.9	24.8	20.39	29.15	0
5/14/2018 8:45	2.215	252.7	38.13	21.09	29.15	0
5/14/2018 9:00	1.584	294.6	40.43	21.73	29.14	0
5/14/2018 9:15	2.789	315.1	37.56	22.24	29.14	0
5/14/2018 9:30	3.504	287.8	16.5	22.46	29.14	0
5/14/2018 9:45	3.743	268.7	27.06	22.79	29.14	0
5/14/2018 10:00	3.544	271.3	33.43	23.31	29.13	0
5/14/2018 10:15	5.196	284.7	16.94	23.47	29.13	0
5/14/2018 10:30	6.724	267	13.14	23.68	29.13	0
5/14/2018 10:45	7.593	263.3	15.21	23.99	29.13	0
5/14/2018 11:00	6.714	266.9	17.78	24.47	29.14	0
5/14/2018 11:15	5.144	288.3	28.28	25.02	29.14	0
5/14/2018 11:30	5.527	277	20.63	25.23	29.14	0
5/14/2018 11:45	5.953	290	22.93	25.82	29.14	0
5/14/2018 12:00	6.798	286.2	13.32	25.98	29.11	0
5/14/2018 12:15	6.589	279.4	19.19	26.36	29.11	0
5/14/2018 12:30	6.916	284	20.62	26.91	29.11	0
5/14/2018 12:45	6.628	283.4	18.11	27.08	29.11	0
5/14/2018 13:00	7.368	286.7	18.1	27.52	29.11	0
5/14/2018 13:15	7.764	270.2	18.18	27.59	29.11	0
5/14/2018 13:30	7.63	287.3	14.07	28.09	29.11	0
5/14/2018 13:45	6.601	276.6	15.37	28.28	29.11	0

5/14/2018 14:00	7.226	278.2	15.02	28.59	29.08	0
5/14/2018 14:15	8.71	270.9	10.55	28.61	29.08	0
5/14/2018 14:30	8.7	269.5	11.89	28.93	29.08	0
5/14/2018 14:45	5.213	294	35.48	29.32	29.08	0
5/14/2018 15:00	5.449	324	34.66	29.8	29.06	0
5/14/2018 15:15	6.131	312.7	22.27	29.83	29.06	0
5/14/2018 15:30	6.976	306.1	19.5	29.83	29.06	0
5/14/2018 15:45	5.459	334.7	34.08	29.84	29.06	0
5/14/2018 16:00	6.63	310.5	14.74	29.94	29.07	0
5/14/2018 16:15	7.917	307.5	13.23	29.8	29.07	0
5/14/2018 16:30	7.77	313.3	11.29	29.7	29.07	0
5/14/2018 16:45	7.26	311.3	13.29	29.46	29.07	0
5/14/2018 17:00	7.456	321.5	12.02	29.39	29.05	0
5/14/2018 17:15	7.841	320.5	17.11	29.16	29.05	0
5/14/2018 17:30	6.518	328.8	10.42	28.86	29.05	0
5/14/2018 17:45	5.824	329.3	9.59	28.4	29.05	0
5/14/2018 18:00	4.955	334.6	13.34	27.94	29.03	0
5/14/2018 18:15	6.191	26.11	8.78	26.8	29.03	0
5/14/2018 18:30	6.485	9.21	10.55	26.47	29.03	0
5/14/2018 18:45	6.581	11.85	9.55	25.96	29.03	0
5/14/2018 19:00	5.18	358.3	13.58	25.56	29.03	0
5/14/2018 19:15	5.669	0.558	18.88	25.18	29.03	0
5/14/2018 19:30	5.073	4.743	14.26	24.66	29.03	0
5/14/2018 19:45	4.698	360	12.64	24.22	29.03	0
5/14/2018 20:00	2.124	357.4	12.33	23.63	29.05	0
5/14/2018 20:15	0.756	331.8	22.23	23.6	29.05	0
5/14/2018 20:30	2.85	354.6	22.29	23.63	29.05	0
5/14/2018 20:45	4.16	31.38	5.252	23.22	29.05	0
5/14/2018 21:00	3.939	18.4	18.18	22.72	29.07	0
5/14/2018 21:15	7.236	25.35	12.12	22.1	29.07	0
5/14/2018 21:30	5.561	44.47	11.1	21.25	29.07	0
5/14/2018 21:45	6.355	23.18	13.45	21.1	29.07	0
5/14/2018 22:00	4.907	36.79	10.34	20.7	29.06	0
5/14/2018 22:15	5.902	36.34	6.948	20.26	29.06	0
5/14/2018 22:30	4.96	32.26	5.977	20.13	29.06	0
5/14/2018 22:45	3.839	13.99	10.7	20.08	29.06	0
5/14/2018 23:00	1.507	32.39	16.78	19.75	29.07	0
5/14/2018 23:15	1.378	89.7	48.02	19.71	29.07	0
5/14/2018 23:30	3.023	146.5	10.83	20	29.07	0
5/14/2018 23:45	3.115	95.8	3.754	18.67	29.07	0
5/15/2018 0:00	2.295	188.2	76.62	18.38	29.09	0
5/15/2018 0:15	2.365	207.2	44.41	18.98	29.09	0
5/15/2018 0:30	3.764	174	17.41	18.62	29.09	0
5/15/2018 0:45	5.658	186.2	12.96	17.77	29.09	0
5/15/2018 1:00	6.44	201	5.544	16.83	29.08	0
5/15/2018 1:15	6.994	197.2	3.799	16.46	29.08	0
5/15/2018 1:30	6.127	201	4.925	16.06	29.08	0
5/15/2018 1:45	5.276	200.4	4.315	15.75	29.08	0
5/15/2018 2:00	5.263	212.2	5.96	15.49	29.09	0
5/15/2018 2:15	4.014	219.6	3.427	15.42	29.09	0
5/15/2018 2:30	2.804	215.5	0.268	15.55	29.09	0
5/15/2018 2:45	1.716	215.1	0.131	15.39	29.09	0
5/15/2018 3:00	1.331	214.2	1.87	15.16	29.09	0
5/15/2018 3:15	4.981	205.5	6.073	14.48	29.09	0
5/15/2018 3:30	6.652	218.7	7.508	13.67	29.09	0
5/15/2018 3:45	7.444	219.1	2.583	13.2	29.09	0
5/15/2018 4:00	6.542	223.6	4.616	12.84	29.1	0
5/15/2018 4:15	5.379	216.5	7.449	12.49	29.1	0
5/15/2018 4:30	5.156	198.3	4.073	12.07	29.1	0

5/15/2018 4:45	5.883	189.1	3.587	11.87	29.1	0
5/15/2018 5:00	5.261	193.4	6.999	11.7	29.11	0
5/15/2018 5:15	5.242	161.7	14.97	11.44	29.11	0
5/15/2018 5:30	5.242	190.3	8.49	11.35	29.11	0
5/15/2018 5:45	5.272	184.1	9.6	11.31	29.11	0
5/15/2018 6:00	6.477	198.1	7.74	11.1	29.12	0
5/15/2018 6:15	6.547	201.9	5.778	11.03	29.12	0
5/15/2018 6:30	6.679	199.2	6.742	11.08	29.12	0
5/15/2018 6:45	6.461	193.8	6.614	11.04	29.12	0
5/15/2018 7:00	5.569	193.6	7.418	11.13	29.14	0
5/15/2018 7:15	5.833	186.4	8.83	11.19	29.14	0
5/15/2018 7:30	6.399	193.2	8.85	11.23	29.14	0
5/15/2018 7:45	5.423	192.7	6.126	11.38	29.14	0
5/15/2018 8:00	6.284	198.3	6.297	11.5	29.13	0
5/15/2018 8:15	3.773	180	24.66	11.77	29.13	0
5/15/2018 8:30	4.76	177.6	24.89	11.86	29.13	0
5/15/2018 8:45	5.543	201.9	12.15	11.84	29.13	0
5/15/2018 9:00	5.415	197.3	11.32	11.9	29.15	0
5/15/2018 9:15	4.089	173.3	15.26	12.07	29.15	0
5/15/2018 9:30	3.534	181.5	19.51	12.24	29.15	0
5/15/2018 9:45	3.851	180.4	19.12	12.39	29.15	0
5/15/2018 10:00	3.796	168.3	13.11	12.54	29.14	0
5/15/2018 10:15	3.986	171.7	22.84	12.72	29.14	0
5/15/2018 10:30	3.615	177.4	30.93	12.85	29.14	0
5/15/2018 10:45	4.4	172.2	15.67	13.14	29.14	0
5/15/2018 11:00	2.923	176.1	43.2	13.53	29.14	0
5/15/2018 11:15	3.271	205.3	21.44	13.89	29.14	0
5/15/2018 11:30	2.888	188.7	47.21	14.17	29.14	0
5/15/2018 11:45	2.828	184.3	26.55	14.66	29.14	0
5/15/2018 12:00	2.254	179.4	64.27	15.43	29.15	0
5/15/2018 12:15	2.418	195.1	47.81	16.05	29.15	0
5/15/2018 12:30	3.728	212.7	38.98	16.62	29.15	0
5/15/2018 12:45	4.53	181.3	30.69	16.94	29.15	0
5/15/2018 13:00	2.975	159.5	36.14	18.1	29.14	0
5/15/2018 13:15	5.959	183.8	20.39	18.18	29.14	0
5/15/2018 13:30	5.062	193.4	30.66	18.38	29.14	0
5/15/2018 13:45	5.374	209.8	20.82	18.76	29.14	0
5/15/2018 14:00	6.078	185.2	20.09	19.03	29.13	0
5/15/2018 14:15	6.06	215.2	38.02	19.45	29.13	0
5/15/2018 14:30	5.459	200.4	24.81	19.8	29.13	0
5/15/2018 14:45	3.25	269.6	63.93	20	29.13	0
5/15/2018 15:00	4.735	228.5	19.83	20.34	29.11	0
5/15/2018 15:15	6.645	262	20.21	20.13	29.11	0
5/15/2018 15:30	7.078	276.7	22.19	19.99	29.11	0
5/15/2018 15:45	7.586	258.8	19.66	20.24	29.11	0
5/15/2018 16:00	7.827	264.9	12.75	19.85	29.1	0
5/15/2018 16:15	5.836	276	12.73	19.99	29.1	0
5/15/2018 16:30	6.583	265.4	12.43	19.96	29.1	0
5/15/2018 16:45	6.838	234.9	19.98	20.23	29.1	0
5/15/2018 17:00	6.611	254.5	10.75	19.88	29.1	0
5/15/2018 17:15	7.405	243.7	17.97	19.69	29.1	0
5/15/2018 17:30	7.23	242.4	14.24	19.46	29.1	0
5/15/2018 17:45	7.298	250	13.38	19.25	29.1	0
5/15/2018 18:00	7.278	248.6	10.99	19.16	29.09	0
5/15/2018 18:15	7.54	250	11.34	18.75	29.09	0
5/15/2018 18:30	7.484	245.1	6.52	18.4	29.09	0
5/15/2018 18:45	7.443	244.3	7.007	18.05	29.09	0
5/15/2018 19:00	7.183	246.3	5.596	17.74	29.09	0
5/15/2018 19:15	6.782	237.1	8.86	17.38	29.09	0

5/15/2018 19:30	7	231.5	7.51	16.94	29.09	0
5/15/2018 19:45	7.015	237.1	5.062	16.56	29.09	0
5/15/2018 20:00	7.642	239	5.664	16.11	29.11	0
5/15/2018 20:15	7.514	230.8	7.256	15.73	29.11	0
5/15/2018 20:30	7.347	244.2	4.861	15.19	29.11	0
5/15/2018 20:45	5.476	238.7	7.065	14.99	29.11	0
5/15/2018 21:00	4.569	236.1	8.27	14.8	29.16	0
5/15/2018 21:15	4.045	245.6	8.91	14.59	29.16	0
5/15/2018 21:30	3.945	237.4	10.87	14.56	29.16	0
5/15/2018 21:45	4.27	238.3	9.04	14.48	29.16	0
5/15/2018 22:00	4.478	240.9	10.45	14.15	29.18	0
5/15/2018 22:15	5.089	216.1	13.07	14.06	29.18	0
5/15/2018 22:30	5.723	195.1	10.36	13.93	29.18	0
5/15/2018 22:45	7.148	199.9	13.89	13.72	29.18	0
5/15/2018 23:00	5.603	209	12.03	13.53	29.19	0
5/15/2018 23:15	8.11	198.7	9.14	13.26	29.19	0
5/15/2018 23:30	7.182	201.9	8.34	13.06	29.19	0
5/15/2018 23:45	7.067	205.5	8.08	12.92	29.19	0
5/16/2018 0:00	6.385	205.4	6.32	12.78	29.19	0
5/16/2018 0:15	6.21	220	8.27	12.56	29.19	0
5/16/2018 0:30	5.91	218.5	7.328	12.31	29.19	0
5/16/2018 0:45	5.343	205.7	7.075	12.14	29.19	0
5/16/2018 1:00	6.127	202	6.384	11.95	29.19	0
5/16/2018 1:15	5.351	198.2	7.171	11.91	29.19	0
5/16/2018 1:30	5.544	168	13.36	11.8	29.19	0
5/16/2018 1:45	6.773	163.9	14.48	11.68	29.19	0
5/16/2018 2:00	7.682	156.8	6.566	11.6	29.21	0
5/16/2018 2:15	6.105	155.3	12.96	11.59	29.21	0
5/16/2018 2:30	7.104	150.2	6.93	11.42	29.21	0
5/16/2018 2:45	6.484	139.7	7.72	11.26	29.21	0
5/16/2018 3:00	7.002	141.1	8.22	11.07	29.22	0
5/16/2018 3:15	7.186	146.3	7.118	10.96	29.22	0
5/16/2018 3:30	6.943	145.8	6.272	10.92	29.22	0.01
5/16/2018 3:45	6.526	148	5.024	10.94	29.22	0
5/16/2018 4:00	7.127	151.1	5.332	10.95	29.21	0
5/16/2018 4:15	6.294	151	6.49	10.94	29.21	0
5/16/2018 4:30	5.156	156.7	8.28	10.91	29.21	0
5/16/2018 4:45	5.189	148.4	7.272	10.87	29.21	0
5/16/2018 5:00	3.998	138	6.848	10.92	29.2	0
5/16/2018 5:15	3.727	145.5	8.32	10.95	29.2	0
5/16/2018 5:30	3.747	126.4	6.587	10.98	29.2	0
5/16/2018 5:45	3.296	119.7	5.532	11.04	29.2	0
5/16/2018 6:00	3.091	127	11.76	11.13	29.2	0
5/16/2018 6:15	3.251	149.6	8.61	11.2	29.2	0
5/16/2018 6:30	3.551	153.3	12.62	11.27	29.2	0
5/16/2018 6:45	3.265	164.2	13.08	11.43	29.2	0
5/16/2018 7:00	3.032	155.2	9.24	11.5	29.21	0
5/16/2018 7:15	3.849	136.2	14.11	11.54	29.21	0
5/16/2018 7:30	3.849	146.2	26.08	11.59	29.21	0
5/16/2018 7:45	2.082	263.2	21.98	11.48	29.21	0
5/16/2018 8:00	3.667	236.1	20.82	11.67	29.23	0
5/16/2018 8:15	4.001	226.1	9.42	11.75	29.23	0
5/16/2018 8:30	2.955	226.5	15.72	11.95	29.23	0
5/16/2018 8:45	2.714	215.3	27.95	12.24	29.23	0
5/16/2018 9:00	2.771	165.8	27.16	12.53	29.21	0
5/16/2018 9:15	4.625	197.4	11.87	12.7	29.21	0
5/16/2018 9:30	4.436	194	23.01	12.83	29.21	0
5/16/2018 9:45	3.691	280.3	14.08	12.83	29.21	0
5/16/2018 10:00	2.899	264.1	29.38	13.1	29.21	0

5/16/2018 10:15	4.648	273.5	10.91	12.87	29.21	0
5/16/2018 10:30	4.919	273.4	12.11	12.92	29.21	0
5/16/2018 10:45	5.561	254.3	14.34	13.02	29.21	0
5/16/2018 11:00	5.471	273.7	16.67	13.24	29.22	0
5/16/2018 11:15	5.61	263.5	19.96	13.11	29.22	0
5/16/2018 11:30	4.276	264.4	13.66	13.28	29.22	0
5/16/2018 11:45	2.976	255	16.4	13.58	29.22	0
5/16/2018 12:00	1.822	253.9	42.1	13.92	29.23	0
5/16/2018 12:15	2.539	260.9	35.73	14.2	29.23	0
5/16/2018 12:30	1.418	258.8	29.12	14.7	29.23	0
5/16/2018 12:45	1.281	241.3	41.39	15.29	29.23	0
5/16/2018 13:00	2.299	112.1	20.93	15.05	29.23	0
5/16/2018 13:15	2.603	167.9	55.29	15.3	29.23	0
5/16/2018 13:30	2.391	170.5	44.57	15.83	29.23	0
5/16/2018 13:45	3.028	123	14.77	15.98	29.23	0
5/16/2018 14:00	3.532	149.4	21.69	16.05	29.21	0
5/16/2018 14:15	5.868	175.7	14.04	16.19	29.21	0
5/16/2018 14:30	5.108	182.7	16.39	16.14	29.21	0
5/16/2018 14:45	5.493	189.4	11.99	16.15	29.21	0
5/16/2018 15:00	6.15	189.3	10.79	16.22	29.21	0
5/16/2018 15:15	5.374	198.8	15.22	16.35	29.21	0
5/16/2018 15:30	5.13	181.9	13.58	16.18	29.21	0
5/16/2018 15:45	3.52	164	18.19	16.31	29.21	0
5/16/2018 16:00	3.943	186.2	18.69	16.38	29.2	0
5/16/2018 16:15	2.657	183.5	17.23	16.47	29.2	0
5/16/2018 16:30	2.22	159.3	41.19	16.61	29.2	0
5/16/2018 16:45	3.854	159.1	24.83	16.57	29.2	0
5/16/2018 17:00	3.353	150.6	33.68	16.49	29.2	0
5/16/2018 17:15	2.997	145.1	25.58	16.33	29.2	0
5/16/2018 17:30	5.805	212.4	18.76	16.5	29.2	0
5/16/2018 17:45	7.57	232.4	6.288	16.36	29.2	0
5/16/2018 18:00	6.882	224.3	7.65	16.19	29.23	0
5/16/2018 18:15	6.636	236.8	11.08	16.04	29.23	0
5/16/2018 18:30	7.617	240.8	8.96	15.84	29.23	0
5/16/2018 18:45	7.827	239.2	10.61	15.46	29.23	0
5/16/2018 19:00	8.35	251.1	8.43	15.03	29.22	0
5/16/2018 19:15	9.36	247.7	6.406	14.58	29.22	0
5/16/2018 19:30	7.413	243.5	8.03	14.41	29.22	0
5/16/2018 19:45	5.459	241	10.48	14.33	29.22	0
5/16/2018 20:00	5.574	250	9.85	14.12	29.25	0
5/16/2018 20:15	4.066	256.7	10.21	13.96	29.25	0
5/16/2018 20:30	3.575	270.2	12.62	13.61	29.25	0
5/16/2018 20:45	4.169	274.2	5.454	13.42	29.25	0
5/16/2018 21:00	5.099	274.3	7.269	13.23	29.25	0
5/16/2018 21:15	6.397	279	4.869	12.92	29.25	0
5/16/2018 21:30	6.409	269.5	7.192	12.71	29.25	0
5/16/2018 21:45	5.928	269.7	7.417	12.58	29.25	0
5/16/2018 22:00	5.061	265.2	7.771	12.5	29.26	0
5/16/2018 22:15	5.763	263.6	7.877	12.48	29.26	0
5/16/2018 22:30	5.432	269.6	8.52	12.38	29.26	0
5/16/2018 22:45	4.437	278.2	8.95	12.25	29.26	0
5/16/2018 23:00	5.414	264.2	7.348	12.16	29.25	0
5/16/2018 23:15	4.609	274.1	10.17	12.02	29.25	0
5/16/2018 23:30	4.027	274.8	6.161	11.9	29.25	0
5/16/2018 23:45	5.072	275.9	6.808	11.77	29.25	0
5/17/2018 0:00	6.099	270.3	8.48	11.63	29.26	0
5/17/2018 0:15	5.515	271.5	8.17	11.49	29.26	0
5/17/2018 0:30	4.734	264.4	5.566	11.39	29.26	0
5/17/2018 0:45	4.152	251	12.28	11.38	29.26	0

5/17/2018 1:00	3.302	239.9	10.24	11.44	29.25	0
5/17/2018 1:15	2.334	187	28.84	11.52	29.25	0
5/17/2018 1:30	3.36	193	11.68	11.58	29.25	0
5/17/2018 1:45	3.389	168.3	15.32	11.46	29.25	0
5/17/2018 2:00	3.664	184.6	7.689	11.52	29.27	0
5/17/2018 2:15	3.702	199.9	7.738	11.56	29.27	0
5/17/2018 2:30	3.535	217.5	12.98	11.54	29.27	0
5/17/2018 2:45	4.049	230.2	12.26	11.4	29.27	0
5/17/2018 3:00	3.55	211.6	7.765	11.28	29.27	0
5/17/2018 3:15	2.855	213.5	9.34	11.14	29.27	0
5/17/2018 3:30	3.836	201.2	16.29	10.96	29.27	0
5/17/2018 3:45	3.247	218.2	28.87	10.8	29.27	0
5/17/2018 4:00	4.279	250.6	11.11	10.65	29.25	0
5/17/2018 4:15	4.185	236.5	7.93	10.58	29.25	0
5/17/2018 4:30	3.89	225.2	8.41	10.54	29.25	0
5/17/2018 4:45	3.99	220	7.507	10.52	29.25	0
5/17/2018 5:00	2.964	214.4	9.92	10.58	29.26	0
5/17/2018 5:15	5.295	193.8	8.59	10.52	29.26	0
5/17/2018 5:30	6.309	193.9	6.981	10.42	29.26	0
5/17/2018 5:45	6.488	195.9	4.751	10.45	29.26	0
5/17/2018 6:00	6.27	191.5	6.837	10.45	29.26	0.01
5/17/2018 6:15	5.75	193.5	7.864	10.54	29.26	0
5/17/2018 6:30	6.158	181.7	7.048	10.49	29.26	0
5/17/2018 6:45	5.803	186.7	7.632	10.56	29.26	0
5/17/2018 7:00	5.093	174.5	13.9	10.6	29.27	0
5/17/2018 7:15	5.208	179.1	11.73	10.62	29.27	0
5/17/2018 7:30	4.861	195.2	9.45	10.67	29.27	0
5/17/2018 7:45	4.141	199.1	5.427	10.71	29.27	0
5/17/2018 8:00	4.096	160.1	13.5	10.73	29.27	0
5/17/2018 8:15	3.478	154	13.24	10.81	29.27	0
5/17/2018 8:30	4.31	170.8	17.99	10.87	29.27	0
5/17/2018 8:45	4.506	183.7	14.21	10.98	29.27	0
5/17/2018 9:00	4.072	172.5	16.63	11.12	29.28	0
5/17/2018 9:15	4.039	184.3	10.85	11.21	29.28	0
5/17/2018 9:30	3.848	177.7	14.16	11.43	29.28	0
5/17/2018 9:45	4.622	140.4	17.07	11.83	29.28	0
5/17/2018 10:00	5.96	136	13.54	11.73	29.28	0
5/17/2018 10:15	5.293	139.9	13.48	12.04	29.28	0
5/17/2018 10:30	6.354	135.2	10.31	12.01	29.28	0
5/17/2018 10:45	5.912	127.8	8.71	12.09	29.28	0
5/17/2018 11:00	5.133	142.2	9.97	12.33	29.27	0
5/17/2018 11:15	3.867	155.3	39.98	12.94	29.27	0
5/17/2018 11:30	4.497	213.6	17.65	12.96	29.27	0
5/17/2018 11:45	3.995	218	26.69	13.23	29.27	0
5/17/2018 12:00	4.23	163.8	22.91	13.59	29.27	0
5/17/2018 12:15	4.659	195	21.49	13.64	29.27	0
5/17/2018 12:30	3.48	256.7	44.15	13.76	29.27	0
5/17/2018 12:45	4.559	278.5	16.46	13.73	29.27	0
5/17/2018 13:00	3.975	269.2	15.79	13.91	29.27	0
5/17/2018 13:15	3.747	240.5	32.53	14.12	29.27	0
5/17/2018 13:30	5.212	237.3	23.13	14.47	29.27	0
5/17/2018 13:45	4.464	247	18.05	14.49	29.27	0
5/17/2018 14:00	4.924	261.1	12.57	14.56	29.25	0
5/17/2018 14:15	5.818	268	16.6	14.77	29.25	0
5/17/2018 14:30	5.179	277.3	21.93	15.08	29.25	0
5/17/2018 14:45	4.602	276.1	17.09	15.47	29.25	0
5/17/2018 15:00	2.452	311.1	49.53	15.77	29.26	0
5/17/2018 15:15	2.943	163.6	30.04	16.12	29.26	0
5/17/2018 15:30	1.79	116.9	27.64	16.27	29.26	0

5/17/2018 15:45	2.685	247.7	63.12	16.23	29.26	0
5/17/2018 16:00	1.205	17.85	44.72	16.12	29.24	0
5/17/2018 16:15	1.607	238.7	33.48	16.29	29.24	0
5/17/2018 16:30	2.035	240.3	31.55	16.21	29.24	0
5/17/2018 16:45	2.006	269.5	41.98	16.08	29.24	0
5/17/2018 17:00	0.969	236	7.255	16.11	29.23	0
5/17/2018 17:15	1.007	283.8	43.48	16.12	29.23	0
5/17/2018 17:30	1.493	301.7	12.81	16	29.23	0
5/17/2018 17:45	1.486	17.05	47.31	15.83	29.23	0
5/17/2018 18:00	2.031	75	5.479	15.5	29.23	0
5/17/2018 18:15	2.469	89.5	6.924	15.4	29.23	0
5/17/2018 18:30	2.577	94.4	1.374	15.28	29.23	0
5/17/2018 18:45	2.073	91	2.963	15.2	29.23	0
5/17/2018 19:00	1.518	87.4	9.25	15.1	29.22	0
5/17/2018 19:15	1.557	66.94	24.91	15	29.22	0
5/17/2018 19:30	1.563	23	0.187	14.8	29.22	0
5/17/2018 19:45	0.641	23	0.152	14.55	29.22	0
5/17/2018 20:00	0.402	23	0.042	14.55	29.21	0
5/17/2018 20:15	1.819	30.22	91.8	14.71	29.21	0
5/17/2018 20:30	3.025	166.1	10.5	14.54	29.21	0
5/17/2018 20:45	3.6	178.9	12.41	14.48	29.21	0
5/17/2018 21:00	3.835	204.9	7.21	14.66	29.21	0
5/17/2018 21:15	3.277	212.6	7.548	14.6	29.21	0
5/17/2018 21:30	4.788	244.1	14.6	14.46	29.21	0
5/17/2018 21:45	5.353	258.5	5.794	14.21	29.21	0
5/17/2018 22:00	4.334	248	5.947	14.11	29.21	0
5/17/2018 22:15	4.454	249.8	8.09	13.9	29.21	0
5/17/2018 22:30	4.097	264.5	7.858	13.6	29.21	0
5/17/2018 22:45	3.619	280.8	8.98	13.37	29.21	0
5/17/2018 23:00	4.158	277.5	14.57	13.22	29.21	0
5/17/2018 23:15	4.305	267	8.93	13.07	29.21	0
5/17/2018 23:30	1.758	313.1	23.11	12.91	29.21	0
5/17/2018 23:45	3.095	248.8	31.84	12.82	29.21	0
5/18/2018 0:00	5.049	237.4	5.032	12.69	29.23	0
5/18/2018 0:15	4.217	235.9	6.816	12.58	29.23	0
5/18/2018 0:30	3.88	241	3.523	12.49	29.23	0
5/18/2018 0:45	4.485	229.6	12.78	12.38	29.23	0
5/18/2018 1:00	4.452	222.1	7.148	12.3	29.21	0
5/18/2018 1:15	4.626	220.3	5.439	12.14	29.21	0
5/18/2018 1:30	4.714	222.6	6.71	12.08	29.21	0
5/18/2018 1:45	4.882	185.3	5.462	11.86	29.21	0
5/18/2018 2:00	4.713	192.7	7.08	11.79	29.23	0
5/18/2018 2:15	4.676	190.6	6.547	11.69	29.23	0
5/18/2018 2:30	5.369	190.7	7.01	11.51	29.23	0
5/18/2018 2:45	5.133	188.3	8.43	11.42	29.23	0
5/18/2018 3:00	5.52	197.9	7.257	11.41	29.21	0
5/18/2018 3:15	4.198	204	6.923	11.36	29.21	0
5/18/2018 3:30	3.589	206.9	11.02	11.32	29.21	0
5/18/2018 3:45	3.465	196.2	9.41	11.29	29.21	0
5/18/2018 4:00	3.749	197.7	9.31	11.27	29.22	0
5/18/2018 4:15	4.233	198.5	8.5	11.23	29.22	0
5/18/2018 4:30	3.471	182.9	6.876	11.12	29.22	0
5/18/2018 4:45	3.244	183.4	9.86	11.07	29.22	0
5/18/2018 5:00	1.831	166.7	9.22	10.99	29.23	0
5/18/2018 5:15	1.724	147.1	28.11	10.95	29.23	0
5/18/2018 5:30	2.886	187.4	9.31	11.02	29.23	0
5/18/2018 5:45	2.901	219	25.38	11.08	29.23	0
5/18/2018 6:00	2.893	278.3	9.3	10.9	29.23	0
5/18/2018 6:15	2.874	276.5	6.225	10.68	29.23	0

5/18/2018 6:30	2.645	264.9	17.63	10.66	29.23	0
5/18/2018 6:45	2.781	250	14.4	10.68	29.23	0
5/18/2018 7:00	2.567	246.1	15.66	10.88	29.23	0
5/18/2018 7:15	3.309	232.6	13.11	10.95	29.23	0
5/18/2018 7:30	2.213	221.6	10.38	11.1	29.23	0
5/18/2018 7:45	2.46	227.5	16.74	11.2	29.23	0
5/18/2018 8:00	1.426	246	11.83	11.26	29.22	0
5/18/2018 8:15	0.843	173.4	39	11.34	29.22	0
5/18/2018 8:30	0.835	116.1	4.284	11.31	29.22	0
5/18/2018 8:45	0.677	127.5	17.75	11.49	29.22	0
5/18/2018 9:00	1.742	195	26.36	11.48	29.24	0
5/18/2018 9:15	2.76	226.3	16.13	11.42	29.24	0
5/18/2018 9:30	2.22	205.5	22.18	11.6	29.24	0.01
5/18/2018 9:45	1.02	195.7	2.422	11.73	29.24	0
5/18/2018 10:00	1.12	15.21	13.29	11.83	29.23	0
5/18/2018 10:15	0.477	113.8	47.64	12.22	29.23	0
5/18/2018 10:30	1.062	115.1	42.74	12.5	29.23	0
5/18/2018 10:45	1.919	222.9	24.55	12.55	29.23	0
5/18/2018 11:00	2.144	241.4	33.46	12.78	29.25	0
5/18/2018 11:15	2.282	227.1	17.25	12.84	29.25	0
5/18/2018 11:30	2.069	253.3	40.05	13.16	29.25	0
5/18/2018 11:45	2.255	319.6	31.81	13.53	29.25	0
5/18/2018 12:00	0.451	344	48.98	13.85	29.25	0
5/18/2018 12:15	1.474	217.3	82.3	13.68	29.25	0
5/18/2018 12:30	1.705	28.74	41.52	13.47	29.25	0
5/18/2018 12:45	1.123	94.9	71.75	14.06	29.25	0
5/18/2018 13:00	3.15	198.5	27.68	14.57	29.25	0
5/18/2018 13:15	1.918	216	40.71	14.51	29.25	0
5/18/2018 13:30	2.238	209	25.99	14.5	29.25	0
5/18/2018 13:45	1.043	289.8	12.93	14.63	29.25	0
5/18/2018 14:00	2.004	253.2	35.63	14.75	29.23	0
5/18/2018 14:15	1.551	267.6	23.99	15.03	29.23	0
5/18/2018 14:30	1.127	209.1	23.47	15.32	29.23	0
5/18/2018 14:45	2.759	162.3	23.87	15.44	29.23	0
5/18/2018 15:00	2.604	170.4	28.22	15.6	29.23	0
5/18/2018 15:15	2.788	165.1	24.72	15.66	29.23	0
5/18/2018 15:30	0.954	195	47.13	15.75	29.23	0
5/18/2018 15:45	1.876	126.4	15.27	15.51	29.23	0
5/18/2018 16:00	3.256	94.2	13.63	15.27	29.22	0
5/18/2018 16:15	3.59	96.8	8.49	15.08	29.22	0
5/18/2018 16:30	3.197	94.7	12.74	15.05	29.22	0
5/18/2018 16:45	2.952	87.9	6.191	15.16	29.22	0
5/18/2018 17:00	3.157	91.4	10.92	15.24	29.22	0
5/18/2018 17:15	3.021	73.9	7.342	15.1	29.22	0
5/18/2018 17:30	2.631	91.9	6.796	15.15	29.22	0
5/18/2018 17:45	2.669	66.52	8.46	15.02	29.22	0
5/18/2018 18:00	1.426	80.7	0.93	15	29.2	0
5/18/2018 18:15	0.004	79.55	0.002	15.19	29.2	0
5/18/2018 18:30	0.8	66.61	0.139	15.07	29.2	0
5/18/2018 18:45	0.12	66.61	0.025	14.99	29.2	0
5/18/2018 19:00	0	0	0	14.98	29.22	0
5/18/2018 19:15	0.058	66.46	0.01	14.98	29.22	0
5/18/2018 19:30	0.013	69.49	0.002	14.9	29.22	0
5/18/2018 19:45	0.518	69.58	0.103	14.88	29.22	0
5/18/2018 20:00	0.016	82.6	8.79	14.82	29.21	0
5/18/2018 20:15	2.441	223.8	10.96	14.7	29.21	0
5/18/2018 20:30	3.236	223.5	3.97	14.52	29.21	0
5/18/2018 20:45	3.541	221.4	3.823	14.31	29.21	0
5/18/2018 21:00	2.832	223.3	4.746	14.18	29.23	0

5/18/2018 21:15	1.528	255.9	9.98	14.14	29.23	0
5/18/2018 21:30	2.164	276.6	12.4	14.11	29.23	0
5/18/2018 21:45	2.755	290.4	1.44	14.03	29.23	0
5/18/2018 22:00	2.029	295.9	1.636	14	29.23	0
5/18/2018 22:15	1.597	274.3	26.32	14.02	29.23	0
5/18/2018 22:30	4.023	203.2	3.052	13.79	29.23	0
5/18/2018 22:45	3.837	189.7	10.79	13.55	29.23	0
5/18/2018 23:00	2.417	146.8	20.47	13.4	29.23	0
5/18/2018 23:15	3.235	110.5	6.8	13.29	29.23	0
5/18/2018 23:30	3.295	126.4	5.282	13.25	29.23	0
5/18/2018 23:45	2.018	117.2	2.926	13.23	29.23	0
5/19/2018 0:00	2.403	135	18.68	13.19	29.2	0
5/19/2018 0:15	2.33	154	4.913	13.13	29.2	0
5/19/2018 0:30	2.826	173.4	6.299	13.19	29.2	0
5/19/2018 0:45	3.257	192.6	3.565	13.26	29.2	0
5/19/2018 1:00	2.183	182.1	5.111	13.2	29.2	0
5/19/2018 1:15	1.21	145.4	25.58	13.1	29.2	0
5/19/2018 1:30	1.15	114.7	1.611	13	29.2	0
5/19/2018 1:45	0.472	117	0.173	13.05	29.2	0
5/19/2018 2:00	1.51	141.4	15.79	13.02	29.21	0
5/19/2018 2:15	2.58	173	7.711	13.02	29.21	0
5/19/2018 2:30	2.191	169.5	11.39	13.02	29.21	0
5/19/2018 2:45	0.564	60.69	48.7	12.9	29.21	0
5/19/2018 3:00	0.519	19.8	1.992	12.75	29.19	0
5/19/2018 3:15	0.767	20.3	1.479	12.72	29.19	0
5/19/2018 3:30	0.825	56.86	56.24	12.78	29.19	0
5/19/2018 3:45	2.739	148.4	6.636	12.75	29.19	0
5/19/2018 4:00	3.121	148.2	2.614	12.69	29.21	0
5/19/2018 4:15	2.316	130.5	4.281	12.69	29.21	0
5/19/2018 4:30	1.885	163.7	15.49	12.71	29.21	0
5/19/2018 4:45	2.058	112.1	51.59	12.7	29.21	0
5/19/2018 5:00	3.603	54.58	9.88	12.49	29.2	0
5/19/2018 5:15	1.629	81.4	12.11	12.51	29.2	0
5/19/2018 5:30	2.154	118.9	51.45	12.57	29.2	0
5/19/2018 5:45	2.725	192.7	8.93	12.65	29.2	0
5/19/2018 6:00	3.992	189.1	5.319	12.74	29.19	0
5/19/2018 6:15	3.262	191.5	7.064	12.79	29.19	0
5/19/2018 6:30	2.481	160.3	28.29	12.91	29.19	0
5/19/2018 6:45	1.277	116.9	2.227	13.05	29.19	0
5/19/2018 7:00	0.214	116.8	0.099	13.26	29.21	0
5/19/2018 7:15	0.173	116.8	0.202	13.44	29.21	0
5/19/2018 7:30	1.139	65.81	17.7	13.62	29.21	0
5/19/2018 7:45	1.132	49.67	5.01	13.8	29.21	0
5/19/2018 8:00	1.588	40.8	8.45	13.83	29.21	0
5/19/2018 8:15	1.039	3.185	15.79	14.19	29.21	0
5/19/2018 8:30	1.153	335.3	9.8	14.71	29.21	0
5/19/2018 8:45	1.717	286.9	25.19	14.95	29.21	0
5/19/2018 9:00	2.525	288.3	13.66	15.23	29.21	0
5/19/2018 9:15	3.599	284.7	15.97	15.3	29.21	0
5/19/2018 9:30	3.974	262.9	17.75	16.1	29.21	0
5/19/2018 9:45	3.019	256.3	16.9	16.39	29.21	0
5/19/2018 10:00	3.633	262.3	26.37	16.78	29.2	0
5/19/2018 10:15	3.774	293.7	27.58	17.39	29.2	0
5/19/2018 10:30	3.186	312.9	23.62	17.62	29.2	0
5/19/2018 10:45	3.872	280.6	39.46	17.97	29.2	0
5/19/2018 11:00	4.484	301.1	40.17	18.32	29.17	0
5/19/2018 11:15	5.862	271.6	36.07	18.9	29.17	0
5/19/2018 11:30	5.916	257.1	20.25	19.45	29.17	0
5/19/2018 11:45	6.787	272.7	20.96	19.45	29.17	0

5/19/2018 12:00	6.589	260.7	20.86	19.91	29.16	0
5/19/2018 12:15	8.22	272.5	15.52	19.68	29.16	0
5/19/2018 12:30	8.63	264.1	13.07	19.53	29.16	0
5/19/2018 12:45	8.77	269.4	13.18	19.18	29.16	0
5/19/2018 13:00	8.35	278.3	17.35	19.72	29.16	0
5/19/2018 13:15	8.83	281	17.49	19.5	29.16	0
5/19/2018 13:30	7.508	294	14.43	19.71	29.16	0
5/19/2018 13:45	6.318	270.1	18.08	20.62	29.16	0
5/19/2018 14:00	5.322	272.3	25.89	20.87	29.15	0
5/19/2018 14:15	5.817	286	36.33	21.06	29.15	0
5/19/2018 14:30	6.934	260.7	17.55	21.2	29.15	0
5/19/2018 14:45	5.18	289.8	32.04	22.05	29.15	0
5/19/2018 15:00	6.369	15.7	17.73	20.46	29.13	0
5/19/2018 15:15	5.939	29.01	21.3	19.44	29.13	0
5/19/2018 15:30	5.232	63.64	8.7	18.99	29.13	0
5/19/2018 15:45	5.858	61.64	7.627	18.86	29.13	0
5/19/2018 16:00	5.944	52.78	8.24	18.52	29.11	0
5/19/2018 16:15	4.83	40.11	7.002	18.59	29.11	0
5/19/2018 16:30	2.389	23.66	8.84	19	29.11	0
5/19/2018 16:45	3.32	57.15	4.914	18.44	29.11	0
5/19/2018 17:00	4.497	101.6	24.75	17.83	29.14	0
5/19/2018 17:15	6.503	131.8	10.99	16.45	29.14	0.04
5/19/2018 17:30	4.426	116.5	11.26	15.87	29.14	0.02
5/19/2018 17:45	4.612	160	8.59	15.36	29.14	0.03
5/19/2018 18:00	5.317	161.9	9.65	15.19	29.13	0.01
5/19/2018 18:15	5.031	135.5	8.64	15	29.13	0
5/19/2018 18:30	4.753	184.9	22.32	14.99	29.13	0.02
5/19/2018 18:45	3.64	155.6	29.87	14.65	29.13	0.02
5/19/2018 19:00	4.147	87.3	15.92	14.52	29.12	0
5/19/2018 19:15	2.628	69.18	39.53	14.47	29.12	0.02
5/19/2018 19:30	4.362	178.5	13.62	14.53	29.12	0
5/19/2018 19:45	5.225	176	17.67	14.43	29.12	0
5/19/2018 20:00	4.496	132.2	13.03	14.13	29.14	0
5/19/2018 20:15	1.085	92.5	17.94	14.08	29.14	0
5/19/2018 20:30	1.548	89.3	1.794	14.06	29.14	0
5/19/2018 20:45	3.178	123.3	8.54	13.97	29.14	0
5/19/2018 21:00	2.814	120.1	4.173	14.02	29.15	0
5/19/2018 21:15	2.502	138.1	14.28	14.02	29.15	0
5/19/2018 21:30	2.981	166.2	13.26	14.12	29.15	0
5/19/2018 21:45	2.66	141.7	13.13	13.96	29.15	0
5/19/2018 22:00	2.187	125.5	9.05	13.97	29.15	0
5/19/2018 22:15	2.724	154.6	6.799	14.08	29.15	0
5/19/2018 22:30	2.887	165.6	13.77	14.14	29.15	0
5/19/2018 22:45	4.063	207.5	21.47	14.24	29.15	0
5/19/2018 23:00	6.102	226	10.44	14.14	29.15	0
5/19/2018 23:15	7.292	236.9	5.674	13.88	29.15	0
5/19/2018 23:30	8.59	242.6	5.745	13.55	29.15	0
5/19/2018 23:45	7.447	252.1	12.53	13.07	29.15	0
5/20/2018 0:00	4.929	265.5	10.17	12.77	29.17	0
5/20/2018 0:15	4.735	233.7	15.79	12.67	29.17	0
5/20/2018 0:30	4.429	233.3	9.37	12.41	29.17	0
5/20/2018 0:45	3.564	197.5	27.73	12.28	29.17	0
5/20/2018 1:00	4.74	192.5	5.797	12.17	29.17	0
5/20/2018 1:15	5.051	216.9	9.3	12.17	29.17	0
5/20/2018 1:30	3.03	227	7.676	12.12	29.17	0
5/20/2018 1:45	2.667	214.7	18.36	12.12	29.17	0
5/20/2018 2:00	0.773	85	20.64	11.78	29.17	0
5/20/2018 2:15	2.481	180.4	13.77	11.76	29.17	0
5/20/2018 2:30	5.525	187.7	6.427	11.58	29.17	0

5/20/2018 2:45	5.073	176.8	8.59	11.37	29.17	0
5/20/2018 3:00	5.595	183.5	5.364	11.42	29.17	0
5/20/2018 3:15	5.505	192.6	6.883	11.42	29.17	0
5/20/2018 3:30	4.012	167.8	6.035	11.25	29.17	0
5/20/2018 3:45	4.138	168.2	7.036	11.17	29.17	0
5/20/2018 4:00	3.278	149.1	12.75	11.12	29.19	0
5/20/2018 4:15	1.095	117.5	15.26	10.99	29.19	0
5/20/2018 4:30	2.404	162	16.08	11.02	29.19	0
5/20/2018 4:45	3.989	178.2	7.278	11.22	29.19	0
5/20/2018 5:00	1.965	157	26.29	11.19	29.2	0
5/20/2018 5:15	2.804	152.1	5.011	11.02	29.2	0
5/20/2018 5:30	1.48	137.7	11.41	11.03	29.2	0
5/20/2018 5:45	1.95	128.7	44.18	11.08	29.2	0
5/20/2018 6:00	1.632	146.3	5.517	11.16	29.21	0
5/20/2018 6:15	1.14	145.3	6.102	11.21	29.21	0
5/20/2018 6:30	1.026	156.3	5.368	11.25	29.21	0
5/20/2018 6:45	1.936	207.2	33.3	11.32	29.21	0
5/20/2018 7:00	3.61	195.7	16.3	11.21	29.2	0
5/20/2018 7:15	4.287	223.6	12.26	11.08	29.2	0
5/20/2018 7:30	3.289	202.1	6.817	10.86	29.2	0
5/20/2018 7:45	2.569	191.2	13.34	10.75	29.2	0
5/20/2018 8:00	3.307	152.7	4.63	10.76	29.23	0
5/20/2018 8:15	3.808	188.4	12.28	10.92	29.23	0.01
5/20/2018 8:30	3.998	198.2	3.933	10.92	29.23	0
5/20/2018 8:45	3.831	202	7.939	11	29.23	0
5/20/2018 9:00	3.705	203.9	5.541	11.08	29.25	0
5/20/2018 9:15	4.744	190.9	7.389	11.11	29.25	0
5/20/2018 9:30	5.195	214.4	29.24	11	29.25	0
5/20/2018 9:45	6.097	252.6	9.82	10.77	29.25	0.01
5/20/2018 10:00	4.502	242.5	9.02	10.94	29.25	0
5/20/2018 10:15	3.078	201.1	22.25	11.21	29.25	0
5/20/2018 10:30	0.807	160.2	3.942	11.55	29.25	0
5/20/2018 10:45	1.378	171.2	22.42	12.1	29.25	0
5/20/2018 11:00	2.055	183.4	33.76	12.1	29.24	0
5/20/2018 11:15	0.541	105.2	40	12.67	29.24	0
5/20/2018 11:30	1.521	96.2	40.05	12.9	29.24	0
5/20/2018 11:45	2.408	171.7	35.7	12.74	29.24	0
5/20/2018 12:00	2.049	217.7	31.24	12.82	29.24	0
5/20/2018 12:15	2.3	168.4	33.61	13.16	29.24	0
5/20/2018 12:30	1.459	175.7	34.82	13.31	29.24	0
5/20/2018 12:45	2.12	252.9	70.15	14.01	29.24	0
5/20/2018 13:00	2.3	64.99	50.36	14.06	29.25	0
5/20/2018 13:15	0.811	50.75	60.96	14.32	29.25	0
5/20/2018 13:30	0.409	176.1	2.721	14.7	29.25	0
5/20/2018 13:45	1.203	138.2	15.89	14.96	29.25	0
5/20/2018 14:00	2.887	159.3	33.65	14.88	29.23	0
5/20/2018 14:15	2.675	153.8	24.33	15.02	29.23	0
5/20/2018 14:30	3.096	213.6	53.48	15.2	29.23	0
5/20/2018 14:45	2.652	248.4	28.62	15.57	29.23	0
5/20/2018 15:00	2.027	274.6	66.91	15.81	29.23	0
5/20/2018 15:15	4.202	214.9	26.43	15.97	29.23	0
5/20/2018 15:30	4.909	222.5	13.85	16.02	29.23	0
5/20/2018 15:45	5.844	214.9	15.56	15.92	29.23	0
5/20/2018 16:00	5.063	218.6	19.1	15.82	29.21	0
5/20/2018 16:15	2.656	201.5	52.62	15.87	29.21	0
5/20/2018 16:30	2.201	176.2	32.49	15.87	29.21	0
5/20/2018 16:45	3.25	140.7	13.98	15.79	29.21	0
5/20/2018 17:00	3.021	171.8	11.82	15.83	29.22	0
5/20/2018 17:15	2.423	153.4	17.22	15.78	29.22	0

5/20/2018 17:30	1.779	120	3.662	15.65	29.22	0
5/20/2018 17:45	1.76	111.6	15.61	15.59	29.22	0
5/20/2018 18:00	2.734	83.5	4.208	15.32	29.22	0
5/20/2018 18:15	3.523	101.4	3.264	15.11	29.22	0
5/20/2018 18:30	2.987	96.6	4.322	14.95	29.22	0
5/20/2018 18:45	2.33	107	3.593	14.83	29.22	0
5/20/2018 19:00	2.446	95.2	27.99	14.69	29.22	0
5/20/2018 19:15	2.576	36.2	8.36	14.53	29.22	0
5/20/2018 19:30	2.088	39.85	9.73	14.37	29.22	0
5/20/2018 19:45	3.387	31.39	15.37	14.12	29.22	0
5/20/2018 20:00	5.523	21.77	6.145	14.05	29.21	0
5/20/2018 20:15	5.258	23.67	7.899	13.95	29.21	0
5/20/2018 20:30	4.971	19.1	9.43	13.92	29.21	0
5/20/2018 20:45	5.534	16.46	8.88	13.84	29.21	0
5/20/2018 21:00	5.605	27.07	8.58	13.63	29.23	0
5/20/2018 21:15	5.629	26.76	7.541	13.48	29.23	0
5/20/2018 21:30	6.596	23.98	10.17	13.34	29.23	0
5/20/2018 21:45	6.666	25.86	7.548	13.23	29.23	0
5/20/2018 22:00	6.571	27.09	6.426	13.02	29.24	0
5/20/2018 22:15	7.43	26.7	7.807	12.83	29.24	0
5/20/2018 22:30	8.31	21.57	9.55	12.67	29.24	0
5/20/2018 22:45	9.81	19.48	7.707	12.54	29.24	0
5/20/2018 23:00	10.14	18.98	8.16	12.39	29.22	0
5/20/2018 23:15	9.93	19.52	8.09	12.26	29.22	0
5/20/2018 23:30	10.55	20.06	8.05	12.14	29.22	0
5/20/2018 23:45	8.68	18.4	11.21	11.97	29.22	0
5/21/2018 0:00	8.92	22.22	8.64	11.79	29.25	0
5/21/2018 0:15	8.5	20.68	9.69	11.74	29.25	0
5/21/2018 0:30	8.83	21.24	9.18	11.69	29.25	0
5/21/2018 0:45	7.378	18.83	9.63	11.63	29.25	0
5/21/2018 1:00	7.915	20.47	10.11	11.62	29.22	0
5/21/2018 1:15	6.655	24.56	8.12	11.57	29.22	0
5/21/2018 1:30	6.829	24.87	8.73	11.49	29.22	0
5/21/2018 1:45	6.558	22.78	7.067	11.44	29.22	0
5/21/2018 2:00	5.193	36.85	9.3	11.36	29.23	0
5/21/2018 2:15	3.641	44.76	7.505	11.28	29.23	0
5/21/2018 2:30	2.559	39.92	8.59	11.2	29.23	0
5/21/2018 2:45	2.523	36.6	14.35	11.11	29.23	0
5/21/2018 3:00	3.246	36.78	7.528	10.96	29.24	0
5/21/2018 3:15	2.508	26.69	6.529	10.92	29.24	0
5/21/2018 3:30	2.716	12.94	5.186	10.87	29.24	0
5/21/2018 3:45	2.821	7.526	4.95	10.79	29.24	0
5/21/2018 4:00	3.747	15.39	11.14	10.57	29.23	0
5/21/2018 4:15	0.915	13.18	47.39	10.49	29.23	0
5/21/2018 4:30	2.439	27.02	42.53	10.4	29.23	0
5/21/2018 4:45	6.13	30.84	7.819	10.29	29.23	0
5/21/2018 5:00	5.861	40.43	8.04	10.16	29.23	0
5/21/2018 5:15	6.85	27.91	10.96	10.05	29.23	0
5/21/2018 5:30	7.307	20.01	9.94	10.21	29.23	0
5/21/2018 5:45	4.852	14.47	7.081	10.28	29.23	0
5/21/2018 6:00	3.817	20.69	5.216	10.35	29.23	0
5/21/2018 6:15	7.196	22.7	7.998	10.33	29.23	0
5/21/2018 6:30	5.026	31.88	11.22	10.45	29.23	0
5/21/2018 6:45	3.999	22.71	10.21	10.74	29.23	0
5/21/2018 7:00	4.419	18.56	7.154	10.9	29.24	0
5/21/2018 7:15	4.862	27.57	7.14	10.91	29.24	0
5/21/2018 7:30	3.382	33.63	10.17	11.17	29.24	0
5/21/2018 7:45	4.623	43.55	11.66	11.62	29.24	0
5/21/2018 8:00	4.312	36.17	20.21	11.91	29.26	0

5/21/2018 8:15	3.664	34.57	21.9	12.69	29.26	0
5/21/2018 8:30	4.73	44.15	9.43	12.76	29.26	0
5/21/2018 8:45	4.105	35.17	15.84	13.26	29.26	0
5/21/2018 9:00	6.232	25.27	14.27	13.8	29.26	0
5/21/2018 9:15	7.423	35.97	13.37	13.91	29.26	0
5/21/2018 9:30	5.071	25.89	15.04	14.38	29.26	0
5/21/2018 9:45	4.92	34.47	17.79	15.01	29.26	0
5/21/2018 10:00	4.272	34.15	24.08	15.46	29.24	0
5/21/2018 10:15	4.067	310.7	25.16	15.11	29.24	0
5/21/2018 10:30	4.871	276.3	20.58	14.85	29.24	0
5/21/2018 10:45	4.824	350.6	39.34	15.54	29.24	0
5/21/2018 11:00	4.566	17.04	21.34	16.3	29.24	0
5/21/2018 11:15	4.465	337	49.27	16.59	29.24	0
5/21/2018 11:30	5.392	26.24	30.59	16.76	29.24	0
5/21/2018 11:45	5.155	340.6	16.16	16.23	29.24	0
5/21/2018 12:00	2.472	322.9	38.36	16.71	29.25	0
5/21/2018 12:15	4.264	303.5	29.98	16.95	29.25	0
5/21/2018 12:30	6.226	271.3	34.65	17.05	29.25	0
5/21/2018 12:45	5.367	260.5	27.01	16.99	29.25	0
5/21/2018 13:00	3.345	329.2	28.95	17.4	29.22	0
5/21/2018 13:15	3.489	332.1	44.51	17.62	29.22	0
5/21/2018 13:30	5.807	358.1	18.63	17.71	29.22	0
5/21/2018 13:45	4.156	312.8	25.1	17.79	29.22	0
5/21/2018 14:00	5.767	14.35	17.21	17.95	29.23	0
5/21/2018 14:15	8.88	21.29	12.03	17.79	29.23	0
5/21/2018 14:30	6.861	22.81	10.47	17.71	29.23	0
5/21/2018 14:45	8.37	31.65	10.85	17.48	29.23	0
5/21/2018 15:00	7.033	348.2	27.23	17.99	29.2	0
5/21/2018 15:15	6.023	347.1	27.74	18.56	29.2	0
5/21/2018 15:30	7.715	5.738	18.95	18.09	29.2	0
5/21/2018 15:45	4.985	24.95	19.56	18.38	29.2	0
5/21/2018 16:00	5.948	338.3	24.92	18.71	29.21	0
5/21/2018 16:15	5.464	44.61	34.95	18.98	29.21	0
5/21/2018 16:30	5.037	33.09	15.6	18.74	29.21	0
5/21/2018 16:45	3.618	1.652	60.21	19.28	29.21	0
5/21/2018 17:00	3.587	33.68	23.65	18.8	29.2	0
5/21/2018 17:15	3.582	45.5	18.24	19.17	29.2	0
5/21/2018 17:30	3.869	31.94	22.41	19.27	29.2	0
5/21/2018 17:45	2.654	12.32	12.86	19.2	29.2	0
5/21/2018 18:00	5.572	10.9	18.19	18.77	29.17	0
5/21/2018 18:15	3.046	32.99	13.76	18.63	29.17	0
5/21/2018 18:30	3.695	27.99	14.85	18.3	29.17	0
5/21/2018 18:45	3.84	10.93	17.14	18.29	29.17	0
5/21/2018 19:00	4.133	330.8	15.87	18.31	29.17	0
5/21/2018 19:15	4.067	318.4	14.2	17.87	29.17	0
5/21/2018 19:30	4.89	294.6	6.035	17.11	29.17	0
5/21/2018 19:45	6.589	302	7.666	16.27	29.17	0
5/21/2018 20:00	6.88	317	3.715	15.58	29.17	0
5/21/2018 20:15	4.846	327.6	10.87	15.66	29.17	0
5/21/2018 20:30	3.798	10.88	16.05	15.58	29.17	0
5/21/2018 20:45	4.669	11.35	13.12	15.1	29.17	0
5/21/2018 21:00	4.847	11.58	10.04	15.06	29.17	0
5/21/2018 21:15	5.726	18.66	8.34	14.41	29.17	0
5/21/2018 21:30	4.855	21.95	8.64	14.23	29.17	0
5/21/2018 21:45	6.014	23.86	9.1	14.09	29.17	0
5/21/2018 22:00	5.606	24.13	9.11	13.74	29.18	0
5/21/2018 22:15	5.102	26.21	12.47	13.78	29.18	0
5/21/2018 22:30	4.033	44.02	10.6	13.23	29.18	0
5/21/2018 22:45	7.319	44.15	8.16	13.62	29.18	0

5/21/2018 23:00	6.609	43.19	8.37	13.5	29.18	0
5/21/2018 23:15	8.07	44.35	5.602	13.3	29.18	0
5/21/2018 23:30	6.589	44.07	7.138	13.1	29.18	0
5/21/2018 23:45	5.311	41.62	8.66	12.94	29.18	0
5/22/2018 0:00	3.035	35.43	13.39	12.85	29.18	0
5/22/2018 0:15	3.814	36.71	6.331	12.27	29.18	0
5/22/2018 0:30	3.244	32.96	11.49	12.03	29.18	0
5/22/2018 0:45	0.362	22.43	0.013	11.61	29.18	0
5/22/2018 1:00	2.667	9.7	10	11.86	29.16	0
5/22/2018 1:15	5.212	24.62	10.6	11.35	29.16	0
5/22/2018 1:30	6.441	30.48	10	10.89	29.16	0
5/22/2018 1:45	7.764	26.84	7.768	10.74	29.16	0
5/22/2018 2:00	8.47	26.63	8.34	10.46	29.16	0
5/22/2018 2:15	8.14	28.31	7.448	10.32	29.16	0
5/22/2018 2:30	7.917	34.79	5.862	10.29	29.16	0
5/22/2018 2:45	6.801	36.94	7.156	10.16	29.16	0
5/22/2018 3:00	6.329	38.48	7.469	10.05	29.16	0
5/22/2018 3:15	5.905	31.42	6.207	9.98	29.16	0
5/22/2018 3:30	5.352	31.88	7.514	9.94	29.16	0
5/22/2018 3:45	5.552	27.24	5.399	9.77	29.16	0
5/22/2018 4:00	4.485	15.38	7.204	9.71	29.16	0
5/22/2018 4:15	3.47	5.99	3.436	9.7	29.16	0
5/22/2018 4:30	2.794	4.85	0.409	9.8	29.16	0
5/22/2018 4:45	2.496	5.13	1.625	9.71	29.16	0
5/22/2018 5:00	2.662	5.975	1.531	9.5	29.14	0
5/22/2018 5:15	2.655	6.578	1.36	9.25	29.14	0
5/22/2018 5:30	3.002	6.842	2.787	9.71	29.14	0
5/22/2018 5:45	3.318	8.48	2	10.14	29.14	0
5/22/2018 6:00	4.398	24.91	13.4	10.38	29.15	0
5/22/2018 6:15	4.385	22.35	6.378	10.62	29.15	0
5/22/2018 6:30	3.168	10.63	4.836	11.36	29.15	0
5/22/2018 6:45	4.203	24.16	12.28	11.8	29.15	0
5/22/2018 7:00	3.183	38.67	16.33	12.43	29.15	0
5/22/2018 7:15	2.499	41.07	11.38	13.08	29.15	0
5/22/2018 7:30	1.391	38.17	24.22	14.02	29.15	0
5/22/2018 7:45	1.678	33.53	23.44	14.46	29.15	0
5/22/2018 8:00	2.035	350.2	14.98	15	29.16	0
5/22/2018 8:15	1.693	7.4	18.42	15.39	29.16	0
5/22/2018 8:30	2.046	304.7	53.08	16.14	29.16	0
5/22/2018 8:45	2.236	4.838	31.28	16.48	29.16	0
5/22/2018 9:00	1.541	6.927	16.54	16.91	29.14	0
5/22/2018 9:15	1.946	301	48.8	17.64	29.14	0
5/22/2018 9:30	3.281	263.7	19.25	17.82	29.14	0
5/22/2018 9:45	3.7	267.5	24.8	18.29	29.14	0
5/22/2018 10:00	4.721	285.5	26.06	18.84	29.11	0
5/22/2018 10:15	6.101	265.5	17.29	19.05	29.11	0
5/22/2018 10:30	6.923	281.1	24.18	19.39	29.11	0
5/22/2018 10:45	6.244	266.8	22.15	19.43	29.11	0
5/22/2018 11:00	5.165	281.6	29.62	19.98	29.09	0
5/22/2018 11:15	6.864	262.2	16.66	20.31	29.09	0
5/22/2018 11:30	6.818	270.4	23.67	20.7	29.09	0
5/22/2018 11:45	5.877	261.2	16.23	21.06	29.09	0
5/22/2018 12:00	4.878	289.4	33.87	21.74	29.09	0
5/22/2018 12:15	4.682	289.9	35.71	22.31	29.09	0
5/22/2018 12:30	6.13	278.9	32.83	22.11	29.09	0
5/22/2018 12:45	6.88	266.6	23.89	22.5	29.09	0
5/22/2018 13:00	8.34	264.7	19.33	22.85	29.07	0
5/22/2018 13:15	7.716	274.7	13.27	22.86	29.07	0
5/22/2018 13:30	6.953	277.5	20.11	23.31	29.07	0

5/22/2018 13:45	6.509	279.7	25.66	23.45	29.07	0
5/22/2018 14:00	6.1	287.4	15.64	23.8	29.06	0
5/22/2018 14:15	8.63	286.2	15.15	24	29.06	0
5/22/2018 14:30	9.86	274.7	12.18	23.98	29.06	0
5/22/2018 14:45	9.12	281.2	18.08	24.24	29.06	0
5/22/2018 15:00	8.19	296.7	20.91	24.45	29.05	0
5/22/2018 15:15	7.334	313.7	14.72	24.93	29.05	0
5/22/2018 15:30	7.497	296	32.68	25.03	29.05	0
5/22/2018 15:45	6.015	330	28.24	25.08	29.05	0
5/22/2018 16:00	6.66	305	14.83	25.28	29.04	0
5/22/2018 16:15	7.379	308.6	12.87	25.27	29.04	0
5/22/2018 16:30	6.968	297.2	18.51	25.15	29.04	0
5/22/2018 16:45	6.431	322.4	21.51	25.11	29.04	0
5/22/2018 17:00	6.18	326.5	20.75	25	29.03	0
5/22/2018 17:15	7.056	311.4	8.99	24.8	29.03	0
5/22/2018 17:30	5.528	336.7	19.18	24.66	29.03	0
5/22/2018 17:45	6.004	322	12.78	24.55	29.03	0
5/22/2018 18:00	7.174	309.4	9.88	24.32	29.01	0
5/22/2018 18:15	7.389	304.5	9.43	24.03	29.01	0
5/22/2018 18:30	6.586	308.5	7.003	23.66	29.01	0
5/22/2018 18:45	5.796	311.6	6.738	23.23	29.01	0
5/22/2018 19:00	5.942	293.6	4.515	22.8	29.02	0
5/22/2018 19:15	5.287	289.3	6.881	22.2	29.02	0
5/22/2018 19:30	6.613	294.8	6.735	21.45	29.02	0
5/22/2018 19:45	7.16	308.5	7.432	20.73	29.02	0
5/22/2018 20:00	5.083	321.6	6.08	20.11	29.02	0
5/22/2018 20:15	4.49	342.5	15.96	20.13	29.02	0
5/22/2018 20:30	3.7	347.3	15.18	20.12	29.02	0
5/22/2018 20:45	6.765	16.91	12.92	19.69	29.02	0
5/22/2018 21:00	8.87	21.22	10.06	19.29	29.01	0
5/22/2018 21:15	10.09	26.08	9.49	18.88	29.01	0
5/22/2018 21:30	9.51	26.59	8.22	18.44	29.01	0
5/22/2018 21:45	9.3	26.65	11.21	18.26	29.01	0
5/22/2018 22:00	13.07	19.37	10.29	18.04	29.01	0
5/22/2018 22:15	12.95	25.49	7.207	17.45	29.01	0
5/22/2018 22:30	11.8	25.32	8.51	16.97	29.01	0
5/22/2018 22:45	11.39	23.28	9.46	16.57	29.01	0
5/22/2018 23:00	9.4	22.32	9.21	16.34	29.02	0
5/22/2018 23:15	11.44	24.24	9.78	15.89	29.02	0
5/22/2018 23:30	11.55	26.76	9.76	15.51	29.02	0
5/22/2018 23:45	9.73	29.07	9	15.4	29.02	0
5/23/2018 0:00	8.92	30.63	7.395	15.25	29	0
5/23/2018 0:15	7.984	24.91	7.223	14.97	29	0
5/23/2018 0:30	8.4	26.25	6.87	14.96	29	0
5/23/2018 0:45	7.213	29.9	6.305	14.8	29	0
5/23/2018 1:00	8.33	30.57	7.458	14.55	28.99	0
5/23/2018 1:15	7.704	27.98	7.036	14.26	28.99	0
5/23/2018 1:30	7.106	31.37	7.3	14.06	28.99	0
5/23/2018 1:45	6.35	24.81	10.62	14.1	28.99	0
5/23/2018 2:00	5.23	13.78	7.154	14.12	28.99	0
5/23/2018 2:15	5.112	8.67	7.21	14.05	28.99	0
5/23/2018 2:30	4.271	4.67	10.15	14.22	28.99	0
5/23/2018 2:45	2.742	11.76	2.254	13.84	28.99	0
5/23/2018 3:00	3.19	18.58	5.114	13.49	29	0
5/23/2018 3:15	3.464	19.06	8.21	13.4	29	0
5/23/2018 3:30	3.554	22.38	7.721	12.89	29	0
5/23/2018 3:45	2.779	19.55	19.66	12.34	29	0
5/23/2018 4:00	2.44	9.43	2.774	12.01	28.99	0
5/23/2018 4:15	2.868	16.16	60.65	11.81	28.99	0

5/23/2018 4:30	5.05	23.11	8.03	11.8	28.99	0
5/23/2018 4:45	5.474	26.56	7.838	11.96	28.99	0
5/23/2018 5:00	6.121	25.75	2.685	12.23	29	0
5/23/2018 5:15	5.092	21.41	15.2	12.41	29	0
5/23/2018 5:30	4.403	41.6	7.932	13.12	29	0
5/23/2018 5:45	3.521	22.65	14.72	13.26	29	0
5/23/2018 6:00	3.82	16.21	10.77	14.05	29.02	0
5/23/2018 6:15	3.945	24.06	11.74	14.51	29.02	0
5/23/2018 6:30	3.858	17.76	7.968	14.76	29.02	0
5/23/2018 6:45	4.431	17.29	8.92	15.33	29.02	0
5/23/2018 7:00	5.137	28.8	9.97	15.49	29	0
5/23/2018 7:15	1.178	7.096	31.23	16.79	29	0
5/23/2018 7:30	3.328	250.3	15.25	17.25	29	0
5/23/2018 7:45	2.043	221	23.58	17.73	29	0
5/23/2018 8:00	2.581	292.9	51.25	18.2	29	0
5/23/2018 8:15	4.326	17.97	19.8	19.04	29	0
5/23/2018 8:30	5.47	23.23	21.39	19.16	29	0
5/23/2018 8:45	3.151	332.8	63.8	19.79	29	0
5/23/2018 9:00	5.641	325	18.29	20.13	28.99	0
5/23/2018 9:15	6.458	297.9	12.52	20.1	28.99	0
5/23/2018 9:30	5.96	298.7	15.24	20.47	28.99	0
5/23/2018 9:45	5.42	325.5	15.17	20.86	28.99	0
5/23/2018 10:00	5.192	290.5	20.55	20.9	29	0
5/23/2018 10:15	4.386	269.5	31.95	20.94	29	0
5/23/2018 10:30	4.781	273.8	20.8	21.37	29	0
5/23/2018 10:45	6.209	282.9	30.09	21.79	29	0
5/23/2018 11:00	6.538	284.9	25.3	22.46	28.99	0
5/23/2018 11:15	7.352	270	17.79	22.41	28.99	0
5/23/2018 11:30	9.67	265.7	11.85	22.39	28.99	0
5/23/2018 11:45	9.43	262.2	17.45	22.57	28.99	0
5/23/2018 12:00	8.69	255.9	18.29	22.84	28.99	0
5/23/2018 12:15	8.4	265.1	20.02	23.28	28.99	0
5/23/2018 12:30	7.881	273.9	26.88	23.56	28.99	0
5/23/2018 12:45	9.61	249.7	17.01	23.48	28.99	0
5/23/2018 13:00	8.66	255.7	12.83	23.89	28.97	0
5/23/2018 13:15	9.36	257.4	19.31	23.81	28.97	0
5/23/2018 13:30	10.7	256.7	16.33	23.82	28.97	0
5/23/2018 13:45	9.25	259.9	18.33	24.25	28.97	0
5/23/2018 14:00	8.33	266.6	17.36	24.5	28.98	0
5/23/2018 14:15	8.22	257.5	15.41	24.65	28.98	0
5/23/2018 14:30	7.839	252.1	16.64	24.64	28.98	0
5/23/2018 14:45	6.637	261.2	25.21	25.07	28.98	0
5/23/2018 15:00	5.346	235.9	33.95	24.91	28.97	0
5/23/2018 15:15	4.41	229.9	47.3	25.18	28.97	0
5/23/2018 15:30	4.918	249.4	44.56	25.39	28.97	0
5/23/2018 15:45	4.962	263.5	19.83	25.18	28.97	0
5/23/2018 16:00	4.804	270.6	16.68	25.36	28.97	0
5/23/2018 16:15	5.774	266.3	31.91	25.48	28.97	0
5/23/2018 16:30	6.319	254.7	18.6	25.31	28.97	0
5/23/2018 16:45	6.186	231.1	22.42	25.21	28.97	0
5/23/2018 17:00	5.692	252.7	21.67	25.35	28.98	0
5/23/2018 17:15	6.087	255.4	17.35	25.27	28.98	0
5/23/2018 17:30	6.184	281.4	14.09	25.13	28.98	0
5/23/2018 17:45	9.04	267.6	7.872	24.06	28.98	0
5/23/2018 18:00	7.474	272.9	6.259	23.6	28.99	0
5/23/2018 18:15	6.84	279.7	4.77	23.43	28.99	0
5/23/2018 18:30	7.09	283	5.116	23.15	28.99	0
5/23/2018 18:45	6.076	286	4.147	23.45	28.99	0
5/23/2018 19:00	4.686	264.8	15.47	23.56	29	0

5/23/2018 19:15	9.03	245.1	7.216	22.91	29	0
5/23/2018 19:30	9.54	255.7	8.43	21.5	29	0
5/23/2018 19:45	11.08	247	6.487	20.77	29	0
5/23/2018 20:00	12.16	248.5	6.978	19.78	29.02	0
5/23/2018 20:15	10.79	237.7	10.95	19.18	29.02	0
5/23/2018 20:30	12.73	223.1	6.82	18.22	29.02	0
5/23/2018 20:45	9.77	223.3	9.24	17.75	29.02	0
5/23/2018 21:00	8.38	238.4	6.2	17.12	29.06	0
5/23/2018 21:15	6.572	236.4	7.956	16.67	29.06	0
5/23/2018 21:30	5.818	225.1	11.02	16.31	29.06	0
5/23/2018 21:45	5.074	207.9	9.57	15.95	29.06	0
5/23/2018 22:00	5.676	192.5	5.58	15.35	29.11	0
5/23/2018 22:15	5.809	199.2	6.557	15.03	29.11	0
5/23/2018 22:30	8	220.2	6.967	14.87	29.11	0
5/23/2018 22:45	6.584	227.9	5.517	14.6	29.11	0
5/23/2018 23:00	3.993	239.5	3.899	14.21	29.12	0
5/23/2018 23:15	3.108	259.9	11.27	13.76	29.12	0
5/23/2018 23:30	2.996	245.9	9.77	13.52	29.12	0
5/23/2018 23:45	1.976	237.6	10.22	13.48	29.12	0
5/24/2018 0:00	1.921	182.1	15.19	13.42	29.15	0
5/24/2018 0:15	4.434	180.8	4.952	13.26	29.15	0
5/24/2018 0:30	6.056	171.3	8.82	12.92	29.15	0
5/24/2018 0:45	7.503	177.8	6.772	12.8	29.15	0
5/24/2018 1:00	7.246	186.9	4.526	12.74	29.14	0
5/24/2018 1:15	7.022	179.7	7.403	12.53	29.14	0
5/24/2018 1:30	6.047	160.3	12.42	12.41	29.14	0
5/24/2018 1:45	6.605	167.9	8.26	12.48	29.14	0
5/24/2018 2:00	5.722	170	7.2	12.61	29.18	0
5/24/2018 2:15	5.413	177	6.253	12.73	29.18	0
5/24/2018 2:30	4.93	152.1	15.56	12.59	29.18	0
5/24/2018 2:45	5.062	148.9	11.9	12.57	29.18	0
5/24/2018 3:00	5.493	152.9	13.81	12.61	29.17	0
5/24/2018 3:15	6.677	175.6	17.07	12.55	29.17	0
5/24/2018 3:30	7.045	170.8	19.08	12.45	29.17	0
5/24/2018 3:45	7.469	155.3	8.96	12.36	29.17	0
5/24/2018 4:00	7.118	178.3	6.546	12.4	29.2	0
5/24/2018 4:15	6.772	183.7	9.49	12.36	29.2	0
5/24/2018 4:30	8.46	185.7	8.64	12.11	29.2	0
5/24/2018 4:45	6.789	184.6	8.57	11.81	29.2	0
5/24/2018 5:00	6.243	188.2	8.84	11.78	29.19	0
5/24/2018 5:15	7.38	185.2	7.5	11.61	29.19	0
5/24/2018 5:30	6.886	185.1	6.675	11.42	29.19	0
5/24/2018 5:45	5.629	170.5	7.898	11.41	29.19	0
5/24/2018 6:00	6.362	177	6.725	11.49	29.22	0
5/24/2018 6:15	6.039	182.3	8.97	11.52	29.22	0
5/24/2018 6:30	7.255	188.8	7.733	11.53	29.22	0
5/24/2018 6:45	6.819	189.5	7.273	11.58	29.22	0
5/24/2018 7:00	7.385	183.7	7.908	11.62	29.24	0
5/24/2018 7:15	7.429	181.5	8.19	11.64	29.24	0.01
5/24/2018 7:30	6.895	178.2	9.49	11.73	29.24	0
5/24/2018 7:45	5.935	179.8	8.55	11.86	29.24	0
5/24/2018 8:00	5.294	159.9	17.12	12.01	29.23	0
5/24/2018 8:15	7.367	153.5	14.33	11.99	29.23	0
5/24/2018 8:30	7.234	177.3	11.68	12.17	29.23	0
5/24/2018 8:45	6.189	179.2	11.28	12.52	29.23	0
5/24/2018 9:00	8.39	190.7	10.53	12.78	29.26	0
5/24/2018 9:15	8.62	194.4	9.27	12.66	29.26	0
5/24/2018 9:30	7.299	190.9	8.38	12.79	29.26	0
5/24/2018 9:45	6.97	197.1	9.4	13	29.26	0

5/24/2018 10:00	5.198	195.8	70.49	13.08	29.26	0
5/24/2018 10:15	6.219	182.5	9.29	12.92	29.26	0
5/24/2018 10:30	2.52	204.1	82.4	13.01	29.26	0
5/24/2018 10:45	3.416	171.6	22.52	13.44	29.26	0
5/24/2018 11:00	3.716	193	23.03	13.61	29.25	0
5/24/2018 11:15	4.481	187.5	13.1	13.65	29.25	0
5/24/2018 11:30	3.228	191.7	33.09	14.07	29.25	0
5/24/2018 11:45	3.219	277.3	27.53	14.44	29.25	0
5/24/2018 12:00	5.139	280.7	9.67	14.27	29.26	0
5/24/2018 12:15	4.476	279.3	17.94	14.7	29.26	0
5/24/2018 12:30	4.482	267	18.77	15.18	29.26	0
5/24/2018 12:45	5.033	251.6	19.23	15.05	29.26	0
5/24/2018 13:00	4.075	281.7	19.97	15.24	29.26	0
5/24/2018 13:15	4.045	276.5	23.49	15.34	29.26	0
5/24/2018 13:30	3.47	267.7	62.58	15.85	29.26	0
5/24/2018 13:45	3.237	173.8	30.66	16.42	29.26	0
5/24/2018 14:00	2.146	147.2	89.8	17.53	29.25	0
5/24/2018 14:15	3.486	225.4	43.78	17.76	29.25	0
5/24/2018 14:30	4.212	203.2	25.63	17.74	29.25	0
5/24/2018 14:45	4.2	254.3	30.7	18.37	29.25	0
5/24/2018 15:00	4.393	197	44.43	18.86	29.25	0
5/24/2018 15:15	4.439	222.4	36.13	18.88	29.25	0
5/24/2018 15:30	4.744	243	45.75	19.01	29.25	0
5/24/2018 15:45	3.284	321.7	46.19	19.25	29.25	0
5/24/2018 16:00	3.064	282	31.42	19.62	29.23	0
5/24/2018 16:15	3.281	287.6	32.44	19.75	29.23	0
5/24/2018 16:30	3.352	259.2	27.85	19.87	29.23	0
5/24/2018 16:45	4.573	275.2	43.21	19.52	29.23	0
5/24/2018 17:00	5.998	293.1	15.57	19.31	29.21	0
5/24/2018 17:15	4.438	264.4	17.93	19.38	29.21	0
5/24/2018 17:30	4.365	262.1	17.95	19.53	29.21	0
5/24/2018 17:45	4.375	258.6	20.85	19.47	29.21	0
5/24/2018 18:00	4.443	266.9	20	19.43	29.2	0
5/24/2018 18:15	3.459	300.2	14.88	19.59	29.2	0
5/24/2018 18:30	5.327	264.5	12.19	19.2	29.2	0
5/24/2018 18:45	6.173	259.8	12.54	18.82	29.2	0
5/24/2018 19:00	4.446	292	9.45	18.63	29.19	0
5/24/2018 19:15	4.94	270.3	10.03	18.17	29.19	0
5/24/2018 19:30	5.37	285.6	4.864	17.56	29.19	0
5/24/2018 19:45	5.055	302.5	10.84	16.95	29.19	0
5/24/2018 20:00	5.991	314.8	1.156	16.35	29.2	0
5/24/2018 20:15	4.827	316	3.25	16.23	29.2	0
5/24/2018 20:30	2.818	331.7	4.099	16.24	29.2	0
5/24/2018 20:45	0.741	339.9	0.556	16.12	29.2	0
5/24/2018 21:00	1.581	348.6	8.78	16.09	29.22	0
5/24/2018 21:15	2.598	1.111	12.09	15.26	29.22	0
5/24/2018 21:30	3.075	7.7	14.6	15.13	29.22	0
5/24/2018 21:45	4.62	24.37	9.2	14.19	29.22	0
5/24/2018 22:00	5.686	21.91	9.25	13.92	29.22	0
5/24/2018 22:15	7.668	28.83	7.512	13.41	29.22	0
5/24/2018 22:30	8.97	28.08	9.14	13.35	29.22	0
5/24/2018 22:45	9.39	25.53	8.75	13.06	29.22	0
5/24/2018 23:00	8.99	28.08	8.1	12.93	29.2	0
5/24/2018 23:15	7.93	32.2	6.925	12.63	29.2	0
5/24/2018 23:30	7.579	27.82	6.342	12.27	29.2	0
5/24/2018 23:45	8.82	26.88	7.488	12.03	29.2	0
5/25/2018 0:00	9.58	26.22	7.615	11.86	29.22	0
5/25/2018 0:15	8.93	29.49	7.482	11.75	29.22	0
5/25/2018 0:30	7.128	33.38	6.828	11.56	29.22	0

5/25/2018 0:45	6.101	31	9.06	11.37	29.22	0
5/25/2018 1:00	6.323	36.4	9.07	11.11	29.22	0
5/25/2018 1:15	7.623	27.11	9.84	11.03	29.22	0
5/25/2018 1:30	6.652	19.26	6.135	10.8	29.22	0
5/25/2018 1:45	4.167	24.18	4.773	10.6	29.22	0
5/25/2018 2:00	5.751	25.31	7.278	10.6	29.22	0
5/25/2018 2:15	7.024	20.89	6.584	10.7	29.22	0
5/25/2018 2:30	5.136	23.57	5.494	10.76	29.22	0
5/25/2018 2:45	5.357	27.28	9.08	10.75	29.22	0
5/25/2018 3:00	5.303	26.73	7.003	10.85	29.22	0
5/25/2018 3:15	5.026	39.14	7.595	10.67	29.22	0
5/25/2018 3:30	3.931	32.67	5.102	10.38	29.22	0
5/25/2018 3:45	5.244	26.98	7.62	9.99	29.22	0
5/25/2018 4:00	4.691	15.12	7.594	10.11	29.21	0
5/25/2018 4:15	4.896	32.22	11.44	10.16	29.21	0
5/25/2018 4:30	5.179	30.35	9.4	10.12	29.21	0
5/25/2018 4:45	6.303	28.91	6.31	10.2	29.21	0
5/25/2018 5:00	3.473	11.99	15.91	10.32	29.22	0
5/25/2018 5:15	3.114	354.1	17.44	10.36	29.22	0
5/25/2018 5:30	1.157	322.3	18.28	10.56	29.22	0
5/25/2018 5:45	2.93	358.8	17.43	10.5	29.22	0
5/25/2018 6:00	3.176	7.095	11.58	10.49	29.23	0
5/25/2018 6:15	4.43	10.34	5.198	10.46	29.23	0
5/25/2018 6:30	6.627	9.73	15.39	10.5	29.23	0
5/25/2018 6:45	7.955	14.99	10.36	10.5	29.23	0
5/25/2018 7:00	6.874	17.29	10.29	10.55	29.24	0
5/25/2018 7:15	5.099	23.1	8.92	10.65	29.24	0
5/25/2018 7:30	5.382	17.65	8.88	10.71	29.24	0
5/25/2018 7:45	5.976	19.77	6.618	10.76	29.24	0
5/25/2018 8:00	5.057	19.45	10.9	10.93	29.23	0
5/25/2018 8:15	5.566	20.07	8.02	11.15	29.23	0
5/25/2018 8:30	6.248	16.67	10.38	11.39	29.23	0
5/25/2018 8:45	7.124	18.2	8.42	11.53	29.23	0
5/25/2018 9:00	5.783	22.49	11.01	11.52	29.23	0
5/25/2018 9:15	5.268	15.15	14.68	11.73	29.23	0
5/25/2018 9:30	4.525	29.16	12.71	11.88	29.23	0
5/25/2018 9:45	3.007	23.85	10.51	12.21	29.23	0
5/25/2018 10:00	2.493	21.24	25.42	12.37	29.23	0
5/25/2018 10:15	1.559	7.744	30.56	12.84	29.23	0
5/25/2018 10:30	2.335	39.37	22.94	13.04	29.23	0
5/25/2018 10:45	2.221	43.78	25.05	13.06	29.23	0
5/25/2018 11:00	2.344	40.76	14.19	13.27	29.21	0
5/25/2018 11:15	0.935	336.9	28.14	13.61	29.21	0
5/25/2018 11:30	1.225	328.1	32.48	13.85	29.21	0
5/25/2018 11:45	2.642	340.5	18.38	14.19	29.21	0
5/25/2018 12:00	2.433	342	29.31	14.45	29.22	0
5/25/2018 12:15	2.842	309.6	21.09	14.94	29.22	0
5/25/2018 12:30	1.879	299.3	44.99	15.68	29.22	0
5/25/2018 12:45	2.787	210	80	16.27	29.22	0
5/25/2018 13:00	3.232	300.4	42.13	16	29.21	0
5/25/2018 13:15	2.877	291	27.79	16.24	29.21	0
5/25/2018 13:30	5.043	269.6	15.65	16.08	29.21	0
5/25/2018 13:45	4.556	253.2	29.38	16.07	29.21	0
5/25/2018 14:00	4.698	280.4	20.23	16.02	29.21	0
5/25/2018 14:15	6.083	296.7	27.24	16.68	29.21	0
5/25/2018 14:30	6.522	344.4	21	16.7	29.21	0
5/25/2018 14:45	7.128	313.9	18.11	16.89	29.21	0
5/25/2018 15:00	7.136	294.1	20.48	16.61	29.21	0
5/25/2018 15:15	7.035	312.3	8.75	16.56	29.21	0

5/25/2018 15:30	7.022	310.6	8.32	16.4	29.21	0
5/25/2018 15:45	5.591	315.9	9.72	16.69	29.21	0
5/25/2018 16:00	5.785	314.5	8.78	16.73	29.2	0
5/25/2018 16:15	5.875	313.3	11.73	16.67	29.2	0
5/25/2018 16:30	5.303	310.5	11.14	16.76	29.2	0
5/25/2018 16:45	4.702	355.9	25.92	16.54	29.2	0
5/25/2018 17:00	3.784	20.04	16.56	16.33	29.2	0
5/25/2018 17:15	5.143	18.2	8.52	16.18	29.2	0
5/25/2018 17:30	4.919	5.535	11.46	16.16	29.2	0
5/25/2018 17:45	4.422	4.85	13.4	16.02	29.2	0
5/25/2018 18:00	3.899	6.737	7.543	15.81	29.2	0
5/25/2018 18:15	7.686	12.24	12.2	15.49	29.2	0
5/25/2018 18:30	8.93	9.45	9.81	15.16	29.2	0
5/25/2018 18:45	9.24	13.73	10.36	14.93	29.2	0
5/25/2018 19:00	9.04	16.32	10.54	14.81	29.19	0
5/25/2018 19:15	8.43	13.87	10.39	14.76	29.19	0
5/25/2018 19:30	8.11	14.16	9.77	14.62	29.19	0
5/25/2018 19:45	6.83	19.98	8.8	14.56	29.19	0
5/25/2018 20:00	5.205	34.09	7.886	14.42	29.19	0
5/25/2018 20:15	7.272	19.41	7.09	14.43	29.19	0
5/25/2018 20:30	5.442	15.98	8.23	14.32	29.19	0
5/25/2018 20:45	6.028	16.13	9.49	14.29	29.19	0
5/25/2018 21:00	4.546	19.96	5.999	13.91	29.21	0
5/25/2018 21:15	3.459	20.6	4.497	13.71	29.21	0
5/25/2018 21:30	2.768	33.94	10.91	13.57	29.21	0
5/25/2018 21:45	3.822	25.46	9.42	13.49	29.21	0
5/25/2018 22:00	3.429	54.39	70.61	13.41	29.23	0
5/25/2018 22:15	3.649	132.7	20.62	13.23	29.23	0
5/25/2018 22:30	5.266	203	62.1	13.22	29.23	0
5/25/2018 22:45	9.74	244.4	12.22	12.93	29.23	0
5/25/2018 23:00	9.39	224.2	7.294	12.64	29.25	0
5/25/2018 23:15	10.18	228.7	6.999	12.27	29.25	0
5/25/2018 23:30	6.982	233.3	8.66	12.07	29.25	0
5/25/2018 23:45	5.598	240.1	8.97	11.97	29.25	0
5/26/2018 0:00	5.034	244	13.1	11.75	29.24	0
5/26/2018 0:15	4.468	240.4	9.65	11.59	29.24	0
5/26/2018 0:30	3.779	241.9	20.92	11.47	29.24	0
5/26/2018 0:45	5.86	207.1	8.44	11.39	29.24	0
5/26/2018 1:00	5.297	223.8	7.015	11.22	29.27	0
5/26/2018 1:15	3.961	234.8	7.346	11.13	29.27	0
5/26/2018 1:30	4.387	206.4	17.68	10.99	29.27	0
5/26/2018 1:45	4.706	170.3	16.97	10.54	29.27	0
5/26/2018 2:00	4.43	130.9	7.09	9.78	29.29	0
5/26/2018 2:15	3.766	132.5	6.1	9.47	29.29	0
5/26/2018 2:30	4.518	137.6	6.647	9.26	29.29	0
5/26/2018 2:45	3.36	152.8	9.13	9.22	29.29	0
5/26/2018 3:00	1.255	119.1	21.86	9.24	29.29	0
5/26/2018 3:15	2.222	98.4	11.35	9.07	29.29	0
5/26/2018 3:30	4.236	89.1	8.5	8.82	29.29	0
5/26/2018 3:45	4.896	97.9	6.787	8.77	29.29	0
5/26/2018 4:00	5.353	104.2	7.226	8.85	29.28	0
5/26/2018 4:15	5.051	112.7	6.424	8.91	29.28	0
5/26/2018 4:30	4.713	121.8	9.07	8.98	29.28	0
5/26/2018 4:45	4.196	113.9	7.92	9.03	29.28	0
5/26/2018 5:00	3.64	114.2	12.21	9.08	29.3	0
5/26/2018 5:15	3.991	103.9	12.16	9.12	29.3	0
5/26/2018 5:30	4.788	98.5	7.551	9.11	29.3	0
5/26/2018 5:45	4.731	123	17.36	9.26	29.3	0
5/26/2018 6:00	5.688	118.9	7.761	9.43	29.32	0

5/26/2018 6:15	4.2	129.5	11.85	9.61	29.32	0
5/26/2018 6:30	1.629	84.6	38.14	9.68	29.32	0
5/26/2018 6:45	3.552	109.1	8.74	9.71	29.32	0
5/26/2018 7:00	3.462	104.1	11.94	9.84	29.34	0
5/26/2018 7:15	3.258	99.4	10.26	10.07	29.34	0
5/26/2018 7:30	2.995	97	14.93	10.21	29.34	0
5/26/2018 7:45	2.767	96.8	13.03	10.34	29.34	0
5/26/2018 8:00	3.571	115.1	19.3	10.59	29.35	0
5/26/2018 8:15	4.025	107	19.28	10.85	29.35	0
5/26/2018 8:30	4.462	97.9	14.87	11.01	29.35	0
5/26/2018 8:45	3.354	100.4	18.08	11.28	29.35	0
5/26/2018 9:00	3.457	125.4	26.29	11.56	29.34	0
5/26/2018 9:15	3.34	123.3	29.98	11.9	29.34	0
5/26/2018 9:30	3.799	108.4	17.85	12.33	29.34	0
5/26/2018 9:45	3.608	133.3	28.82	12.9	29.34	0
5/26/2018 10:00	4.6	115.1	32.84	13.38	29.34	0
5/26/2018 10:15	4.129	178.1	25.89	13.01	29.34	0
5/26/2018 10:30	1.191	108.5	37.57	13.25	29.34	0
5/26/2018 10:45	2.124	239.1	38.01	13.86	29.34	0
5/26/2018 11:00	3.636	166.8	43.04	13.85	29.33	0
5/26/2018 11:15	2.222	154.7	75.68	13.9	29.33	0
5/26/2018 11:30	2.145	332.1	50.47	14.58	29.33	0
5/26/2018 11:45	2.652	23.11	49.88	15.39	29.33	0
5/26/2018 12:00	3.055	282.7	54.93	15.39	29.34	0
5/26/2018 12:15	1.975	301.5	82.3	16.22	29.34	0
5/26/2018 12:30	3.045	355	50.49	15.41	29.34	0
5/26/2018 12:45	2.486	73.59	33.12	15.37	29.34	0
5/26/2018 13:00	3.044	16.6	62.08	15.75	29.35	0
5/26/2018 13:15	3.23	308.7	30.8	15.56	29.35	0
5/26/2018 13:30	2.299	333.6	18.88	15.76	29.35	0
5/26/2018 13:45	2.654	256.7	64.85	16.05	29.35	0
5/26/2018 14:00	2.409	205.9	64.24	16.21	29.36	0
5/26/2018 14:15	3.063	269.3	36.05	16.14	29.36	0
5/26/2018 14:30	2.48	273.9	30.39	16.63	29.36	0
5/26/2018 14:45	3.185	279.9	64.44	16.74	29.36	0
5/26/2018 15:00	2.701	243.2	44.78	16.56	29.38	0
5/26/2018 15:15	3.497	290	41.61	16.7	29.38	0
5/26/2018 15:30	2.532	323.6	13.05	16.7	29.38	0
5/26/2018 15:45	3.095	359.6	15.04	16.85	29.38	0
5/26/2018 16:00	3.732	343.7	10.59	16.53	29.36	0
5/26/2018 16:15	3.052	15.93	15.22	16.32	29.36	0
5/26/2018 16:30	2.734	349.8	27.41	16.3	29.36	0
5/26/2018 16:45	4.179	319.3	7.033	16.25	29.36	0
5/26/2018 17:00	3.751	322	9.55	16.21	29.36	0
5/26/2018 17:15	1.935	3.834	12.96	16.11	29.36	0
5/26/2018 17:30	1.447	352.2	15.17	16.02	29.36	0
5/26/2018 17:45	1.235	6.842	50.41	16.15	29.36	0
5/26/2018 18:00	0.145	165.8	30.5	16.16	29.38	0
5/26/2018 18:15	0	0	0	16.16	29.38	0
5/26/2018 18:30	0.318	18.03	41.2	16.09	29.38	0
5/26/2018 18:45	0.01	159.3	1.89	16.16	29.38	0
5/26/2018 19:00	0.054	9.99	17.81	15.95	29.38	0
5/26/2018 19:15	0.78	1.718	1.762	16.06	29.38	0
5/26/2018 19:30	1.405	1.624	0.25	15.94	29.38	0
5/26/2018 19:45	0.73	1.587	0.139	15.85	29.38	0
5/26/2018 20:00	1.508	1.401	0.202	15.49	29.37	0
5/26/2018 20:15	1.638	12.66	11.03	15.11	29.37	0
5/26/2018 20:30	1.796	21.95	2.722	14.61	29.37	0
5/26/2018 20:45	2.258	26.93	2.353	14.25	29.37	0

5/26/2018 21:00	4.489	38.07	6.406	13.35	29.39	0
5/26/2018 21:15	5.042	38.53	4.14	13.28	29.39	0
5/26/2018 21:30	4.738	29.67	11.89	13.01	29.39	0
5/26/2018 21:45	4.865	19.11	8.92	12.93	29.39	0
5/26/2018 22:00	4.092	23.75	12.04	12.65	29.4	0
5/26/2018 22:15	4.157	38.81	5.571	12.44	29.4	0
5/26/2018 22:30	4.308	37.22	7.887	12.36	29.4	0
5/26/2018 22:45	3.938	44.11	5.569	12.25	29.4	0
5/26/2018 23:00	4.483	41.05	8.69	11.92	29.4	0
5/26/2018 23:15	3.972	41.94	9.93	11.69	29.4	0
5/26/2018 23:30	3.078	59.95	14.39	11.52	29.4	0
5/26/2018 23:45	4.985	64.39	12.72	11.39	29.4	0
5/27/2018 0:00	3.904	59.35	9.88	11.17	29.39	0
5/27/2018 0:15	3.201	44.47	8.3	11.4	29.39	0
5/27/2018 0:30	3.312	82.3	11.69	10.55	29.39	0
5/27/2018 0:45	4.552	88.5	5.939	10.47	29.39	0
5/27/2018 1:00	3.547	91.1	11.15	10.7	29.41	0
5/27/2018 1:15	3.014	83.4	7.784	10.49	29.41	0
5/27/2018 1:30	4.601	130.4	9.19	10.68	29.41	0
5/27/2018 1:45	4.283	135.6	7.492	10.61	29.41	0
5/27/2018 2:00	4.731	144.7	5.599	10.4	29.43	0
5/27/2018 2:15	4.897	137.1	5.339	10.3	29.43	0
5/27/2018 2:30	4.661	140.5	4.644	10.11	29.43	0
5/27/2018 2:45	4.893	148.5	6.654	9.96	29.43	0
5/27/2018 3:00	4.416	143.5	8.59	10.19	29.44	0
5/27/2018 3:15	2.777	108.8	5.145	10.37	29.44	0
5/27/2018 3:30	2.738	98.4	10.95	10.09	29.44	0
5/27/2018 3:45	2.993	119	7.663	10.15	29.44	0
5/27/2018 4:00	3.119	121.4	9.73	10.47	29.44	0
5/27/2018 4:15	2.258	84.9	19.73	10.02	29.44	0
5/27/2018 4:30	1.744	52.09	1.515	9.88	29.44	0
5/27/2018 4:45	1.899	37.83	5.212	9.83	29.44	0
5/27/2018 5:00	3.26	14.47	5.719	9.73	29.42	0
5/27/2018 5:15	2.868	10.08	2.958	9.74	29.42	0
5/27/2018 5:30	2.509	12.01	9.27	9.63	29.42	0
5/27/2018 5:45	2.416	26.45	3.934	10.03	29.42	0
5/27/2018 6:00	2.815	23.69	3.855	10.42	29.44	0
5/27/2018 6:15	3.063	22.29	3.561	10.7	29.44	0
5/27/2018 6:30	2.084	21.14	5.883	11.12	29.44	0
5/27/2018 6:45	2.303	31.55	8.39	11.76	29.44	0
5/27/2018 7:00	1.496	50.89	23.53	12.68	29.42	0
5/27/2018 7:15	1.404	96	15.76	13.28	29.42	0
5/27/2018 7:30	1.685	154.6	49.66	13.59	29.42	0
5/27/2018 7:45	2.843	198.4	29.69	13.15	29.42	0
5/27/2018 8:00	2.282	254.3	32.48	13.4	29.42	0
5/27/2018 8:15	2.922	277.4	28.45	13.84	29.42	0
5/27/2018 8:30	3.177	267.4	26.03	14.23	29.42	0
5/27/2018 8:45	3.094	235.6	26.92	14.59	29.42	0
5/27/2018 9:00	3.162	251.1	52.91	15.04	29.42	0
5/27/2018 9:15	3.953	235.2	21.76	15.2	29.42	0
5/27/2018 9:30	3.354	265.3	21.29	15.53	29.42	0
5/27/2018 9:45	4.614	274.3	20.77	15.89	29.42	0
5/27/2018 10:00	4.954	272.3	26.66	16.32	29.42	0
5/27/2018 10:15	7.376	267.1	15.14	16.56	29.42	0
5/27/2018 10:30	6.955	286.9	29.09	16.79	29.42	0
5/27/2018 10:45	5.916	299.6	24.33	17.04	29.42	0
5/27/2018 11:00	5.599	294.3	32.2	17.73	29.4	0
5/27/2018 11:15	6.681	278.2	31.24	17.89	29.4	0
5/27/2018 11:30	5.918	298.1	22.88	17.76	29.4	0

5/27/2018 11:45	6.417	293	31.73	18.67	29.4	0
5/27/2018 12:00	5.44	289.3	31.05	18.73	29.4	0
5/27/2018 12:15	5.968	285.4	27.6	18.75	29.4	0
5/27/2018 12:30	6.05	297.9	28.56	19.15	29.4	0
5/27/2018 12:45	5.982	282.2	27.46	19.55	29.4	0
5/27/2018 13:00	6.219	281	25.55	19.53	29.39	0
5/27/2018 13:15	3.995	302.2	33.17	19.81	29.39	0
5/27/2018 13:30	4.755	282.8	19.5	20.34	29.39	0
5/27/2018 13:45	5.602	241.6	25.65	20.13	29.39	0
5/27/2018 14:00	6.185	261.5	28.51	20.58	29.36	0
5/27/2018 14:15	5.334	267.3	37.66	20.61	29.36	0
5/27/2018 14:30	6.007	268.1	31.88	21.17	29.36	0
5/27/2018 14:45	4.526	283.8	58.01	21.14	29.36	0
5/27/2018 15:00	4.63	319.2	39.08	21.93	29.38	0
5/27/2018 15:15	5.799	274	47.18	21.67	29.38	0
5/27/2018 15:30	4.965	296.4	30.59	21.89	29.38	0
5/27/2018 15:45	4.157	338.1	35.47	22.21	29.38	0
5/27/2018 16:00	4.803	319.1	23.75	22.03	29.36	0
5/27/2018 16:15	3.291	347.6	40.18	22.29	29.36	0
5/27/2018 16:30	4.2	292.2	26.56	22.41	29.36	0
5/27/2018 16:45	5.476	273.4	14.74	22.35	29.36	0
5/27/2018 17:00	5.021	260.7	23.14	22.41	29.33	0
5/27/2018 17:15	3.961	279.8	28.09	22.55	29.33	0
5/27/2018 17:30	5.212	295.5	13.21	22.17	29.33	0
5/27/2018 17:45	4.876	308.3	30.11	22.14	29.33	0
5/27/2018 18:00	4.786	281	14.45	22.06	29.32	0
5/27/2018 18:15	5.272	278.2	15.21	21.82	29.32	0
5/27/2018 18:30	4.119	283.9	10.17	21.77	29.32	0
5/27/2018 18:45	3.696	274.9	12.62	21.66	29.32	0
5/27/2018 19:00	4.509	283.3	8.67	21.35	29.34	0
5/27/2018 19:15	3.414	286.5	7.428	21.09	29.34	0
5/27/2018 19:30	3.808	284	5.423	20.67	29.34	0
5/27/2018 19:45	4.206	301.4	10.04	19.92	29.34	0
5/27/2018 20:00	3.704	297.7	11.45	19.51	29.34	0
5/27/2018 20:15	3.897	20.07	18.2	18.53	29.34	0
5/27/2018 20:30	4.221	344.2	29	17.55	29.34	0
5/27/2018 20:45	3.266	350.5	39.88	17.3	29.34	0
5/27/2018 21:00	2.853	261.7	57.4	17.02	29.36	0
5/27/2018 21:15	5.575	244	8.43	16.35	29.36	0
5/27/2018 21:30	4.252	243.1	7.65	15.94	29.36	0
5/27/2018 21:45	2.555	193	47.15	15.55	29.36	0
5/27/2018 22:00	1.607	78.96	45.87	15.24	29.37	0
5/27/2018 22:15	2.935	35.14	16.64	14.52	29.37	0
5/27/2018 22:30	2.77	30.6	13.49	13.84	29.37	0
5/27/2018 22:45	0.773	17.19	5.869	13.69	29.37	0
5/27/2018 23:00	1.646	178	22.93	13.36	29.39	0
5/27/2018 23:15	0.313	111.1	25.55	12.98	29.39	0
5/27/2018 23:30	2.322	47.48	14.76	12.73	29.39	0
5/27/2018 23:45	4.146	31.31	11.3	11.77	29.39	0
5/28/2018 0:00	6.785	36.03	6.058	11.51	29.38	0
5/28/2018 0:15	5.972	33.29	6.737	11.45	29.38	0
5/28/2018 0:30	6.489	37.28	8.88	11.13	29.38	0
5/28/2018 0:45	7.284	31.44	8.32	11.03	29.38	0
5/28/2018 1:00	6.878	39.08	12.93	10.92	29.39	0
5/28/2018 1:15	8.58	30.17	9.44	10.95	29.39	0
5/28/2018 1:30	7.936	33.81	8.37	10.58	29.39	0
5/28/2018 1:45	7.715	36.66	8.36	10.67	29.39	0
5/28/2018 2:00	6.774	34.65	10.05	10.38	29.39	0
5/28/2018 2:15	7.833	32.18	8.29	10.27	29.39	0

5/28/2018 2:30	7.678	31.37	8.3	10.06	29.39	0
5/28/2018 2:45	7.812	33.99	8.92	10.15	29.39	0
5/28/2018 3:00	6.782	32.72	7.652	10.15	29.4	0
5/28/2018 3:15	7.057	32.11	8.43	10.04	29.4	0
5/28/2018 3:30	5.976	44.22	8.96	10.06	29.4	0
5/28/2018 3:45	5.133	37.62	6.951	10.1	29.4	0
5/28/2018 4:00	3.82	43.64	8.66	10.19	29.42	0
5/28/2018 4:15	4.072	54.99	12.56	10.37	29.42	0
5/28/2018 4:30	2.704	114.9	20.54	9.9	29.42	0
5/28/2018 4:45	3.569	157.7	4.833	9.74	29.42	0
5/28/2018 5:00	4.303	180	6.833	9.73	29.41	0
5/28/2018 5:15	4.11	160.3	12.46	9.5	29.41	0
5/28/2018 5:30	2.609	147.2	8.27	10.02	29.41	0
5/28/2018 5:45	3.66	145.4	7.189	10.46	29.41	0
5/28/2018 6:00	4.335	146.2	7.583	10.81	29.41	0
5/28/2018 6:15	4.128	153.3	13.18	10.92	29.41	0
5/28/2018 6:30	3.269	194.5	9.51	11.06	29.41	0
5/28/2018 6:45	3.395	170.9	24.51	11.48	29.41	0
5/28/2018 7:00	3.005	153.8	19.89	11.84	29.44	0
5/28/2018 7:15	2.651	227.9	28.42	11.85	29.44	0
5/28/2018 7:30	2.095	209.8	28.8	12.36	29.44	0
5/28/2018 7:45	3.459	225.5	40.26	13.14	29.44	0
5/28/2018 8:00	2.665	178.6	50.29	14.06	29.44	0
5/28/2018 8:15	5.361	37.25	25.16	14.54	29.44	0
5/28/2018 8:30	7.304	10.22	23.99	14.67	29.44	0
5/28/2018 8:45	9.22	19.82	15.9	14.96	29.44	0
5/28/2018 9:00	10.64	8.66	13.99	14.84	29.43	0
5/28/2018 9:15	10.52	13.6	17.46	14.86	29.43	0
5/28/2018 9:30	9.17	33.34	21.1	15.64	29.43	0
5/28/2018 9:45	7.489	36.26	17.54	15.96	29.43	0
5/28/2018 10:00	7.575	351.9	19.42	15.36	29.43	0
5/28/2018 10:15	6.992	327.5	24.9	15.65	29.43	0
5/28/2018 10:30	7.03	326.7	13.36	15.71	29.43	0
5/28/2018 10:45	6.154	284	21.24	16.15	29.43	0
5/28/2018 11:00	7.065	273.4	23.63	16.17	29.43	0
5/28/2018 11:15	6.824	295.7	23.2	16.3	29.43	0
5/28/2018 11:30	9.69	261.4	18.55	16.75	29.43	0
5/28/2018 11:45	7.205	260	18.2	16.56	29.43	0
5/28/2018 12:00	9.52	257.2	10.3	16.55	29.42	0
5/28/2018 12:15	8.01	278	16.28	17.48	29.42	0
5/28/2018 12:30	8.83	260.8	14.7	17	29.42	0
5/28/2018 12:45	8.81	254.1	10.24	16.9	29.42	0
5/28/2018 13:00	7.278	281.1	13.32	16.82	29.4	0
5/28/2018 13:15	5.992	298.7	13.94	17.19	29.4	0
5/28/2018 13:30	7.194	303	11.09	17.05	29.4	0
5/28/2018 13:45	5.924	311.7	12.25	17.09	29.4	0
5/28/2018 14:00	6.603	318.2	5.554	16.88	29.39	0
5/28/2018 14:15	6.591	339.7	13.64	16.91	29.39	0
5/28/2018 14:30	5.637	8.76	16.03	16.99	29.39	0
5/28/2018 14:45	5.777	343	22.52	17.26	29.39	0
5/28/2018 15:00	6.195	334.2	15.42	17.34	29.37	0
5/28/2018 15:15	5.886	312.8	14.9	17.51	29.37	0
5/28/2018 15:30	6.296	318.3	13.88	17.53	29.37	0
5/28/2018 15:45	6.838	338.6	14.4	17.3	29.37	0
5/28/2018 16:00	6.88	337.9	12.96	17.04	29.37	0
5/28/2018 16:15	6	348.1	15.66	17.18	29.37	0
5/28/2018 16:30	5.918	334.3	11.8	17.26	29.37	0
5/28/2018 16:45	4.706	328	15.84	17.41	29.37	0
5/28/2018 17:00	5.233	354.9	19.02	17.53	29.36	0

5/28/2018 17:15	4.528	5.155	11.03	17.48	29.36	0
5/28/2018 17:30	2.781	33.33	15.58	17.48	29.36	0
5/28/2018 17:45	2.274	27.79	14.85	17.74	29.36	0
5/28/2018 18:00	4.474	21.02	14.57	17.79	29.34	0
5/28/2018 18:15	4.536	22.64	6.184	17.09	29.34	0
5/28/2018 18:30	3.669	17.5	8.14	17.54	29.34	0
5/28/2018 18:45	3.453	331.2	26.6	17.57	29.34	0
5/28/2018 19:00	5.907	325.2	9.53	16.79	29.32	0
5/28/2018 19:15	5.068	322.4	6.056	16.53	29.32	0
5/28/2018 19:30	4.739	5.001	19.08	16.33	29.32	0
5/28/2018 19:45	4.245	17.28	8.88	16.05	29.32	0
5/28/2018 20:00	4.388	7.833	10.27	15.99	29.32	0
5/28/2018 20:15	6.5	16.63	11.67	15.74	29.32	0
5/28/2018 20:30	8.67	19.6	12.61	15.15	29.32	0
5/28/2018 20:45	10.76	20.94	12.72	14.79	29.32	0
5/28/2018 21:00	9.21	20.97	13.22	14.45	29.31	0
5/28/2018 21:15	10.59	20.6	12.05	14.14	29.31	0
5/28/2018 21:30	11.23	20.18	12.22	13.67	29.31	0
5/28/2018 21:45	10.56	14.73	12.43	13.15	29.31	0
5/28/2018 22:00	10.47	6.094	16.26	12.78	29.33	0
5/28/2018 22:15	11.26	4.401	15.06	12.36	29.33	0
5/28/2018 22:30	11.78	6.332	16.08	12.07	29.33	0
5/28/2018 22:45	14.68	4.378	15.23	11.71	29.33	0
5/28/2018 23:00	12.08	0.351	16.67	11.46	29.32	0
5/28/2018 23:15	10.14	11.95	15.95	11.18	29.32	0
5/28/2018 23:30	11.75	22.94	15.9	10.98	29.32	0
5/28/2018 23:45	10.88	29.13	13.78	10.84	29.32	0
5/29/2018 0:00	9.19	15.63	15.89	10.72	29.34	0
5/29/2018 0:15	7.709	24.58	16.98	10.71	29.34	0
5/29/2018 0:30	9.46	21.93	14.27	10.43	29.34	0
5/29/2018 0:45	7.949	29.86	14.91	10.34	29.34	0
5/29/2018 1:00	10.35	34.11	14.82	10.09	29.33	0
5/29/2018 1:15	12.01	21.34	13.51	9.9	29.33	0
5/29/2018 1:30	9.39	26.11	12.04	9.91	29.33	0
5/29/2018 1:45	5.466	44.92	21.04	9.95	29.33	0
5/29/2018 2:00	3.975	36.04	24.06	9.91	29.33	0
5/29/2018 2:15	4.782	29.63	19.02	9.9	29.33	0
5/29/2018 2:30	3.881	52.36	59.3	10.06	29.33	0
5/29/2018 2:45	3.84	26.71	40.43	10.04	29.33	0
5/29/2018 3:00	9.71	31.55	13.91	9.98	29.32	0
5/29/2018 3:15	7.361	21.16	14.94	9.87	29.32	0
5/29/2018 3:30	7.045	12.34	19.44	9.87	29.32	0
5/29/2018 3:45	6.744	355.7	17.16	9.96	29.32	0
5/29/2018 4:00	7.589	358	16.68	9.85	29.31	0
5/29/2018 4:15	7.055	354.2	14.36	9.73	29.31	0
5/29/2018 4:30	8.03	354.5	13.63	9.72	29.31	0
5/29/2018 4:45	6.547	355.7	14.26	9.68	29.31	0
5/29/2018 5:00	4.343	16.14	9.39	9.47	29.31	0
5/29/2018 5:15	4.47	7.453	14.28	9.65	29.31	0
5/29/2018 5:30	3.553	4.388	79.01	9.48	29.31	0
5/29/2018 5:45	5.81	206.7	8.5	9.29	29.31	0
5/29/2018 6:00	6.086	221.7	8.2	9.27	29.3	0
5/29/2018 6:15	4.902	214.5	7.699	9.41	29.3	0
5/29/2018 6:30	3.847	186.1	17.74	9.53	29.3	0
5/29/2018 6:45	4.554	167.8	12.72	9.52	29.3	0
5/29/2018 7:00	4.22	153.1	15.17	9.55	29.3	0
5/29/2018 7:15	4.078	173.8	10.86	9.41	29.3	0
5/29/2018 7:30	4.139	184.6	16.96	9.56	29.3	0
5/29/2018 7:45	3.929	182.5	16.31	9.54	29.3	0

5/29/2018 8:00	3.408	192	30.31	9.52	29.31	0
5/29/2018 8:15	3.864	272.7	7.989	9.47	29.31	0
5/29/2018 8:30	3.625	251.5	19.77	9.54	29.31	0
5/29/2018 8:45	3.061	245.4	35.56	9.8	29.31	0
5/29/2018 9:00	1.478	203.4	37.49	9.87	29.31	0
5/29/2018 9:15	2.307	148.6	11.12	10.19	29.31	0
5/29/2018 9:30	2.615	155.5	25.25	10.3	29.31	0
5/29/2018 9:45	3.29	173	31.88	10.43	29.31	0
5/29/2018 10:00	3.194	163.6	21.32	10.95	29.32	0
5/29/2018 10:15	3.419	215.8	25.25	10.82	29.32	0
5/29/2018 10:30	3.403	216.2	29.44	10.97	29.32	0
5/29/2018 10:45	2.584	233.5	35.96	11.16	29.32	0
5/29/2018 11:00	3.068	225.6	46.8	11.7	29.29	0
5/29/2018 11:15	3.077	199.1	23.77	12.01	29.29	0
5/29/2018 11:30	2.318	259.7	51.62	11.87	29.29	0
5/29/2018 11:45	1.466	346.5	66.4	12.27	29.29	0
5/29/2018 12:00	2.743	106.7	39.42	12.65	29.29	0
5/29/2018 12:15	3.213	144	33.94	13.23	29.29	0
5/29/2018 12:30	3.783	107.4	26.78	13.15	29.29	0
5/29/2018 12:45	4.035	111.2	25.78	13.25	29.29	0
5/29/2018 13:00	2.951	153.7	45.65	13.75	29.28	0
5/29/2018 13:15	1.713	104.4	65.16	13.62	29.28	0
5/29/2018 13:30	2.914	145.9	31.67	13.38	29.28	0
5/29/2018 13:45	3.912	186.4	23.55	13.4	29.28	0
5/29/2018 14:00	3.414	171.8	26.78	14.47	29.28	0
5/29/2018 14:15	4.571	185.5	19.66	14.9	29.28	0
5/29/2018 14:30	4.313	193.9	24.3	14.68	29.28	0
5/29/2018 14:45	5.045	226.3	25.99	14.84	29.28	0
5/29/2018 15:00	4.451	241	30.57	14.76	29.25	0
5/29/2018 15:15	4.243	199.4	23.48	14.79	29.25	0
5/29/2018 15:30	3.592	168.1	35.25	15.91	29.25	0
5/29/2018 15:45	6.467	232	18.99	15.45	29.25	0
5/29/2018 16:00	3.835	226.8	36.95	15.27	29.23	0
5/29/2018 16:15	3.682	186.9	33.06	15.59	29.23	0
5/29/2018 16:30	2.428	194.7	32.54	15.42	29.23	0
5/29/2018 16:45	2.797	193.7	56.13	15.48	29.23	0
5/29/2018 17:00	2.051	194.8	40.36	15.44	29.21	0
5/29/2018 17:15	2.368	133.6	19.22	15.27	29.21	0
5/29/2018 17:30	1.98	111.5	12.54	15.12	29.21	0
5/29/2018 17:45	1.565	84.8	22.44	15.17	29.21	0
5/29/2018 18:00	3.162	52.53	6.387	14.77	29.22	0
5/29/2018 18:15	3.574	53.19	4.449	14.52	29.22	0
5/29/2018 18:30	3.496	30.87	7.681	14.34	29.22	0
5/29/2018 18:45	4.712	359.3	21.15	14.14	29.22	0
5/29/2018 19:00	8.42	294.8	18.21	12.84	29.21	0.01
5/29/2018 19:15	10.1	245.9	20.17	11.88	29.21	0.04
5/29/2018 19:30	5.765	171.5	24.51	11.34	29.21	0.01
5/29/2018 19:45	4.093	114.8	28.36	10.65	29.21	0
5/29/2018 20:00	4.081	31.41	34.18	10.27	29.21	0.01
5/29/2018 20:15	5.421	9	21.55	10.11	29.21	0.05
5/29/2018 20:30	6.118	358.8	24.12	10.07	29.21	0
5/29/2018 20:45	8.2	17.7	12	10.19	29.21	0
5/29/2018 21:00	8.96	13.97	17.32	9.82	29.22	0
5/29/2018 21:15	7.096	33.38	21.07	9.73	29.22	0
5/29/2018 21:30	3.913	17.69	25.93	9.74	29.22	0
5/29/2018 21:45	1.54	103.5	67.31	9.69	29.22	0
5/29/2018 22:00	2.152	9.26	41.33	9.72	29.23	0
5/29/2018 22:15	3.103	37.31	45.46	9.52	29.23	0
5/29/2018 22:30	2.638	45.47	72.45	9.41	29.23	0

5/29/2018 22:45	4.147	38.57	38.76	9.25	29.23	0
5/29/2018 23:00	3.859	29.47	13.23	9.04	29.25	0
5/29/2018 23:15	6.679	37.81	16.15	8.98	29.25	0
5/29/2018 23:30	6.65	18.27	19.49	9.07	29.25	0
5/29/2018 23:45	7.165	15.64	13.54	9.18	29.25	0
5/30/2018 0:00	4.815	41.9	18.18	9.15	29.25	0
5/30/2018 0:15	2.975	54.49	22.96	8.8	29.25	0
5/30/2018 0:30	2.055	46.78	24.68	8.75	29.25	0
5/30/2018 0:45	3.929	105.2	31.57	8.64	29.25	0
5/30/2018 1:00	5.098	134.4	14.24	8.23	29.21	0
5/30/2018 1:15	5.119	127	9.28	8.01	29.21	0
5/30/2018 1:30	4.92	125.8	9.9	7.841	29.21	0
5/30/2018 1:45	3.21	94.9	11.49	7.487	29.21	0
5/30/2018 2:00	2.923	64.88	13.68	7.1	29.23	0
5/30/2018 2:15	3.267	81.3	13.66	7.081	29.23	0
5/30/2018 2:30	2.595	91.6	12.59	7.227	29.23	0
5/30/2018 2:45	1.721	95.4	10.71	7.427	29.23	0
5/30/2018 3:00	0.652	40.05	10.85	7.107	29.22	0
5/30/2018 3:15	0.168	30.77	0.039	7.524	29.22	0
5/30/2018 3:30	0.711	29.8	0.975	7.449	29.22	0
5/30/2018 3:45	0.396	20.29	4.861	7.579	29.22	0
5/30/2018 4:00	0.962	9.63	0.53	7.545	29.22	0
5/30/2018 4:15	1.303	353.2	52.35	7.594	29.22	0
5/30/2018 4:30	2.974	179.8	14.22	7.267	29.22	0
5/30/2018 4:45	2.059	135.8	61.09	7.04	29.22	0
5/30/2018 5:00	2.256	187.1	60.98	7.003	29.21	0
5/30/2018 5:15	3.841	201.4	7.665	7.452	29.21	0
5/30/2018 5:30	3.738	184.1	7.533	7.397	29.21	0
5/30/2018 5:45	2.832	160.6	11.84	7.123	29.21	0
5/30/2018 6:00	1.449	85.6	44.96	7.119	29.19	0
5/30/2018 6:15	1.621	86.3	30.2	7.077	29.19	0
5/30/2018 6:30	2.357	128.8	12.14	7.539	29.19	0
5/30/2018 6:45	1.779	143.5	12.47	7.664	29.19	0
5/30/2018 7:00	5.167	132.5	13.99	7.836	29.21	0
5/30/2018 7:15	2.785	120.2	12.2	8	29.21	0
5/30/2018 7:30	2.244	102.2	14.72	8.13	29.21	0
5/30/2018 7:45	2.189	83.4	7.178	8.22	29.21	0
5/30/2018 8:00	1.407	107.6	29.73	8.45	29.19	0
5/30/2018 8:15	1.998	161	16.34	8.76	29.19	0
5/30/2018 8:30	1.388	156.4	23.54	9.09	29.19	0
5/30/2018 8:45	1.291	30.87	43.29	9.61	29.19	0
5/30/2018 9:00	2.215	9.72	39.29	10.12	29.18	0
5/30/2018 9:15	2.239	335	52.98	11.03	29.18	0
5/30/2018 9:30	4.104	349.1	33.97	11.33	29.18	0
5/30/2018 9:45	5.523	316.7	11.58	11.65	29.18	0
5/30/2018 10:00	5.387	341.7	27.61	12.3	29.18	0
5/30/2018 10:15	7.872	344.1	25.35	12.89	29.18	0
5/30/2018 10:30	9.85	318.4	16.54	13.25	29.18	0
5/30/2018 10:45	8.49	321.1	21.98	12.79	29.18	0
5/30/2018 11:00	7.246	344	39.59	13.45	29.14	0
5/30/2018 11:15	6.741	5.083	41.66	13.66	29.14	0
5/30/2018 11:30	6.828	17.2	25.33	13.33	29.14	0
5/30/2018 11:45	6.35	33.22	21.11	13.74	29.14	0
5/30/2018 12:00	5.322	6.734	25.34	13.85	29.13	0
5/30/2018 12:15	7.32	8.35	20.63	14.15	29.13	0
5/30/2018 12:30	6.981	329	21.04	14	29.13	0
5/30/2018 12:45	5.81	17.43	21.59	13.96	29.13	0
5/30/2018 13:00	6.905	20.63	20.17	14.42	29.11	0
5/30/2018 13:15	6.367	338.8	27.12	14.31	29.11	0

5/30/2018 13:30	6.84	2.836	16.93	14.5	29.11	0
5/30/2018 13:45	7.533	320.9	42.5	15.66	29.11	0
5/30/2018 14:00	8.02	337.6	48.27	15.75	29.1	0
5/30/2018 14:15	7.489	8.28	17.19	14.93	29.1	0
5/30/2018 14:30	6.417	31.94	18.6	15.52	29.1	0
5/30/2018 14:45	6.742	15.36	15.44	15.85	29.1	0
5/30/2018 15:00	6.623	7.146	24.57	16.71	29.07	0
5/30/2018 15:15	7.357	16.96	17.32	16.52	29.07	0
5/30/2018 15:30	7.811	330.2	20.89	16.89	29.07	0
5/30/2018 15:45	5.414	342.6	30.52	16.64	29.07	0
5/30/2018 16:00	8.27	321	21.7	16.76	29.04	0
5/30/2018 16:15	10.22	320.6	11.64	16.82	29.04	0
5/30/2018 16:30	8.96	318.6	12.52	16.72	29.04	0
5/30/2018 16:45	7.284	338.1	22.37	16.85	29.04	0
5/30/2018 17:00	8.32	326	19.45	16.86	29.05	0
5/30/2018 17:15	8.81	319	12.01	16.71	29.05	0
5/30/2018 17:30	9.32	319.7	12.97	16.55	29.05	0
5/30/2018 17:45	7.57	321.3	9.76	15.96	29.05	0
5/30/2018 18:00	8.19	338.8	14.33	16	29.04	0
5/30/2018 18:15	6.613	332.6	23.19	16.32	29.04	0
5/30/2018 18:30	8.22	307.1	12.34	16.14	29.04	0
5/30/2018 18:45	8.78	324	9.06	15.68	29.04	0
5/30/2018 19:00	9.92	306.5	6.424	15.28	29.04	0
5/30/2018 19:15	8.59	309.2	7.141	14.78	29.04	0
5/30/2018 19:30	8.03	304	7.782	14.26	29.04	0
5/30/2018 19:45	7.617	292.7	5.969	13.61	29.04	0
5/30/2018 20:00	7.425	284.7	4.842	13.41	29.04	0
5/30/2018 20:15	6.994	285.9	7.188	13.07	29.04	0
5/30/2018 20:30	6.75	295.7	13.85	12.69	29.04	0
5/30/2018 20:45	5.366	318.1	21.31	12.77	29.04	0
5/30/2018 21:00	1.654	333.1	23.84	12.75	29.02	0
5/30/2018 21:15	1.855	23.67	27.9	12.54	29.02	0
5/30/2018 21:30	2.029	36.01	24.79	11.96	29.02	0
5/30/2018 21:45	5.155	7.119	17.73	11.82	29.02	0
5/30/2018 22:00	5.132	29.96	33.62	11.31	29.03	0
5/30/2018 22:15	6.905	17.18	15.7	10.91	29.03	0
5/30/2018 22:30	6.878	25.2	13.68	10.8	29.03	0
5/30/2018 22:45	5.96	27.72	19.77	10.67	29.03	0
5/30/2018 23:00	8.05	23.02	17.33	10.45	29.02	0
5/30/2018 23:15	7.842	26.71	12.81	10.21	29.02	0
5/30/2018 23:30	7.179	24.77	15.16	9.97	29.02	0
5/30/2018 23:45	7.923	27.68	18.43	9.98	29.02	0
5/31/2018 0:00	7.41	33.03	9.37	9.58	29.02	0
5/31/2018 0:15	6.305	29.93	6.78	9.51	29.02	0
5/31/2018 0:30	5.436	24.03	13.36	9.49	29.02	0
5/31/2018 0:45	7.985	10.22	11.96	9.78	29.02	0
5/31/2018 1:00	5.225	23.8	10.28	9.1	29.05	0
5/31/2018 1:15	6.227	22.83	7.733	8.9	29.05	0
5/31/2018 1:30	6.864	22.11	4.741	8.95	29.05	0
5/31/2018 1:45	7.031	20.83	6.673	9.04	29.05	0
5/31/2018 2:00	6.434	25.2	10.32	8.88	29.05	0
5/31/2018 2:15	5.851	45.37	11.88	8.94	29.05	0
5/31/2018 2:30	5.525	46.87	16.78	9.07	29.05	0
5/31/2018 2:45	4.974	37	11.95	9.27	29.05	0
5/31/2018 3:00	3.042	26.63	5.638	9.18	29.05	0
5/31/2018 3:15	2.797	71.28	27.08	9.14	29.05	0
5/31/2018 3:30	3.778	118.2	9.17	9.07	29.05	0
5/31/2018 3:45	4.738	129.9	9.92	8.82	29.05	0
5/31/2018 4:00	4.924	129.8	6.951	8.66	29.07	0

5/31/2018 4:15	5.083	137.7	6.393	8.53	29.07	0
5/31/2018 4:30	5.287	144.9	6.923	8.37	29.07	0
5/31/2018 4:45	4.649	147.4	6.371	8.28	29.07	0
5/31/2018 5:00	4.333	153.2	13.32	8.22	29.05	0
5/31/2018 5:15	3.001	176	11.29	8.26	29.05	0
5/31/2018 5:30	3.261	175	11.69	8.23	29.05	0
5/31/2018 5:45	2.115	141	6.825	8.16	29.05	0
5/31/2018 6:00	1.723	136.6	4.478	8.21	29.08	0
5/31/2018 6:15	2.969	147.5	14.13	8.23	29.08	0
5/31/2018 6:30	3.065	145.4	7.586	8.23	29.08	0
5/31/2018 6:45	3.786	149.1	11.13	8.33	29.08	0
5/31/2018 7:00	3.397	146.2	14.05	8.51	29.09	0
5/31/2018 7:15	5.153	147.1	4.447	8.4	29.09	0
5/31/2018 7:30	4.397	140.5	5.975	8.6	29.09	0
5/31/2018 7:45	3.088	126.7	18.14	8.86	29.09	0
5/31/2018 8:00	3.584	142.7	9.62	8.74	29.08	0
5/31/2018 8:15	4.524	148.5	10.35	8.83	29.08	0
5/31/2018 8:30	4.524	157.9	13.66	8.97	29.08	0
5/31/2018 8:45	4.642	151.6	12.33	9.22	29.08	0
5/31/2018 9:00	3.359	144.4	11.59	9.25	29.1	0
5/31/2018 9:15	2.455	113.2	19.74	9.62	29.1	0
5/31/2018 9:30	2.935	150.3	35.17	9.72	29.1	0
5/31/2018 9:45	3.45	116.9	15.6	9.73	29.1	0
5/31/2018 10:00	2.366	153	45.77	9.98	29.11	0
5/31/2018 10:15	2.489	91.8	31.97	10.39	29.11	0
5/31/2018 10:30	3.374	73.74	24.57	10.7	29.11	0
5/31/2018 10:45	3.558	77.43	24.63	11.11	29.11	0
5/31/2018 11:00	2.569	32.05	53.8	11.3	29.11	0
5/31/2018 11:15	3.141	114.3	25.07	12.13	29.11	0
5/31/2018 11:30	1.836	112.6	76.45	11.83	29.11	0
5/31/2018 11:45	2.17	245.5	27.58	12.06	29.11	0
5/31/2018 12:00	1.533	156	83.5	12.85	29.1	0
5/31/2018 12:15	3.69	17.28	28.88	12.66	29.1	0
5/31/2018 12:30	3.307	341.8	40.2	13.12	29.1	0
5/31/2018 12:45	2.525	57.15	29.16	13.22	29.1	0
5/31/2018 13:00	1.767	308.5	73.83	13.74	29.12	0
5/31/2018 13:15	3.667	244	30.87	14.06	29.12	0
5/31/2018 13:30	3.152	218.9	38.45	14.26	29.12	0
5/31/2018 13:45	3.092	133.6	34.89	14.84	29.12	0
5/31/2018 14:00	3.027	95.3	88.3	14.7	29.11	0
5/31/2018 14:15	3.069	182.7	42.51	15.24	29.11	0
5/31/2018 14:30	4.23	208.5	31.24	14.97	29.11	0
5/31/2018 14:45	4.6	170.8	40.1	15.43	29.11	0
5/31/2018 15:00	3.973	202.5	56.53	15.81	29.12	0
5/31/2018 15:15	2.184	295.6	56.42	14.94	29.12	0
5/31/2018 15:30	2.304	162.9	39.49	15.42	29.12	0
5/31/2018 15:45	3.196	195.1	32.47	15.01	29.12	0
5/31/2018 16:00	2.385	243.7	42.5	14.97	29.11	0
5/31/2018 16:15	3.089	264.7	26.98	14.93	29.11	0
5/31/2018 16:30	9.53	277.4	21.88	13.94	29.11	0.01
5/31/2018 16:45	8.56	272.8	9.03	12.32	29.11	0.01
5/31/2018 17:00	4.818	307	20.98	12.57	29.13	0.01
5/31/2018 17:15	2.203	32.96	25.31	12.25	29.13	0
5/31/2018 17:30	4.153	108.7	13.07	11.43	29.13	0
5/31/2018 17:45	7.388	120.7	8.16	11.29	29.13	0
5/31/2018 18:00	7.161	127.9	8.64	11.39	29.14	0
5/31/2018 18:15	6.502	112.2	11.64	10.98	29.14	0
5/31/2018 18:30	5.983	114.7	12.2	10.55	29.14	0
5/31/2018 18:45	5.035	123	9.44	10.57	29.14	0

5/31/2018 19:00	5.615	134.2	12.62	10.6	29.16	0
5/31/2018 19:15	5.089	139.5	7.473	10.68	29.16	0
5/31/2018 19:30	4.906	141.8	4.795	10.47	29.16	0
5/31/2018 19:45	5.582	147.1	4.091	10.36	29.16	0
5/31/2018 20:00	5.446	150.8	3.515	10.39	29.18	0
5/31/2018 20:15	3.659	149.9	9.44	10.42	29.18	0
5/31/2018 20:30	3.924	150	10.88	10.51	29.18	0
5/31/2018 20:45	5.087	166.4	11.41	10.48	29.18	0
5/31/2018 21:00	4.771	167.2	13.38	10.49	29.2	0
5/31/2018 21:15	4.454	149.2	8.54	10.35	29.2	0
5/31/2018 21:30	5.841	164.1	11.16	10.41	29.2	0
5/31/2018 21:45	6.439	174.6	6.867	10.53	29.2	0
5/31/2018 22:00	5.765	171.6	5.667	10.42	29.21	0
5/31/2018 22:15	6.265	176.8	7.803	10.54	29.21	0
5/31/2018 22:30	7.177	171.3	7.675	10.38	29.21	0
5/31/2018 22:45	6.632	185.7	6.903	10.44	29.21	0
5/31/2018 23:00	6.964	187.6	7.653	10.25	29.23	0
5/31/2018 23:15	6.859	182.7	6.299	9.97	29.23	0
5/31/2018 23:30	5.018	155.7	17.21	9.25	29.23	0
5/31/2018 23:45	7.332	171.8	7.709	9.29	29.23	0
6/1/2018 0:00	7.307	169.7	10.12	9.06	29.24	0
6/1/2018 0:15	7.806	170.6	8.05	9.01	29.24	0
6/1/2018 0:30	7.272	161.7	13.49	8.71	29.24	0
6/1/2018 0:45	6.507	149.2	9.92	8.46	29.24	0
6/1/2018 1:00	5.991	157.9	10.89	8.32	29.28	0
6/1/2018 1:15	6.576	139.5	6.548	8.2	29.28	0
6/1/2018 1:30	7.488	143.4	5.734	8.17	29.28	0
6/1/2018 1:45	7.065	138	7.925	8.22	29.28	0
6/1/2018 2:00	7.292	139.6	5.623	8.21	29.27	0
6/1/2018 2:15	7.884	142.9	5.993	8.21	29.27	0
6/1/2018 2:30	6.729	141.8	7.396	8.12	29.27	0
6/1/2018 2:45	7.487	142.4	6.387	8.02	29.27	0
6/1/2018 3:00	7.735	144.1	6.173	7.849	29.31	0
6/1/2018 3:15	7.714	146	4.589	7.571	29.31	0
6/1/2018 3:30	7.149	144.9	6.528	7.488	29.31	0
6/1/2018 3:45	7.147	142.9	5.118	7.406	29.31	0
6/1/2018 4:00	6.117	150.1	16.59	7.524	29.3	0
6/1/2018 4:15	7.023	142.4	6.288	7.534	29.3	0
6/1/2018 4:30	6.954	147.6	5.839	7.605	29.3	0
6/1/2018 4:45	6.849	143.1	5.416	7.751	29.3	0
6/1/2018 5:00	6.752	143	5.875	7.935	29.32	0
6/1/2018 5:15	7.018	144.4	6.805	8.18	29.32	0
6/1/2018 5:30	6.211	141.2	6.071	8.36	29.32	0
6/1/2018 5:45	5.698	138.5	6.524	8.62	29.32	0
6/1/2018 6:00	5.978	139.3	7.091	8.87	29.35	0
6/1/2018 6:15	5.397	142.4	9.42	9.07	29.35	0
6/1/2018 6:30	5.26	139.2	6.923	9.28	29.35	0
6/1/2018 6:45	5.739	139.8	11.75	9.49	29.35	0
6/1/2018 7:00	5.643	150.5	13.19	9.9	29.37	0
6/1/2018 7:15	6.337	173.5	18.35	10.5	29.37	0
6/1/2018 7:30	9.23	177.8	18.38	10.4	29.37	0
6/1/2018 7:45	9.41	194.5	11.39	10.38	29.37	0
6/1/2018 8:00	8.22	180.4	9.37	10.42	29.38	0
6/1/2018 8:15	8.38	178	7.379	10.87	29.38	0
6/1/2018 8:30	7.536	166.5	18.1	11.17	29.38	0
6/1/2018 8:45	7.571	180.1	11.23	11.21	29.38	0
6/1/2018 9:00	8.07	180.9	16.94	11.51	29.37	0
6/1/2018 9:15	8.61	205.8	8.24	11.48	29.37	0
6/1/2018 9:30	8.25	195.4	10.45	11.54	29.37	0

6/1/2018 9:45	9.84	205.1	8.32	11.88	29.37	0
6/1/2018 10:00	9.95	193	12.04	11.92	29.39	0
6/1/2018 10:15	9.27	203.3	11.91	11.96	29.39	0
6/1/2018 10:30	8.94	188.3	9.75	12.13	29.39	0
6/1/2018 10:45	9.85	187.1	12.26	12.78	29.39	0
6/1/2018 11:00	10.33	182.3	14.1	13.42	29.41	0
6/1/2018 11:15	10.25	214	13.94	13.26	29.41	0
6/1/2018 11:30	5.702	230.4	28.4	13.32	29.41	0
6/1/2018 11:45	5.507	239.5	21.21	13.64	29.41	0
6/1/2018 12:00	6.937	187.8	16.4	14.04	29.41	0
6/1/2018 12:15	5.944	170.4	28.11	14.57	29.41	0
6/1/2018 12:30	8.08	200.3	19.69	14.51	29.41	0
6/1/2018 12:45	9.32	207.3	16.21	14.76	29.41	0
6/1/2018 13:00	7.184	200.2	16	14.48	29.42	0
6/1/2018 13:15	6.821	198.3	20.56	14.84	29.42	0
6/1/2018 13:30	4.604	156.2	42.03	14.94	29.42	0
6/1/2018 13:45	5.092	97.5	17.86	15.05	29.42	0
6/1/2018 14:00	4.836	133.2	24.84	15.6	29.4	0
6/1/2018 14:15	5.846	200.8	34.94	15.88	29.4	0
6/1/2018 14:30	5.817	204.7	42.98	15.63	29.4	0
6/1/2018 14:45	5.323	221.4	31.21	15.93	29.4	0
6/1/2018 15:00	5.671	241.5	27.71	16.45	29.41	0
6/1/2018 15:15	8.05	238.5	20.96	16.58	29.41	0
6/1/2018 15:30	8.78	240	18.78	16.54	29.41	0
6/1/2018 15:45	8.49	232	18.82	16.94	29.41	0
6/1/2018 16:00	7.421	235.1	21.98	17.02	29.43	0
6/1/2018 16:15	7.25	216.1	17.13	16.85	29.43	0
6/1/2018 16:30	5.265	223.3	30.91	17.13	29.43	0
6/1/2018 16:45	7.567	230.6	27.11	17.46	29.43	0
6/1/2018 17:00	5.504	255.4	19.97	16.83	29.42	0
6/1/2018 17:15	7.561	231.3	16.74	17.01	29.42	0
6/1/2018 17:30	6.607	237.8	12.79	17.13	29.42	0
6/1/2018 17:45	6.36	235.4	15.98	16.71	29.42	0
6/1/2018 18:00	6.265	231	31.31	16.87	29.4	0
6/1/2018 18:15	3.92	256.6	37.26	17.15	29.4	0
6/1/2018 18:30	5.727	275.1	9.72	16.93	29.4	0
6/1/2018 18:45	3.347	274.9	14.45	16.74	29.4	0
6/1/2018 19:00	4.636	235.2	12.21	16.67	29.4	0
6/1/2018 19:15	3.604	272	13.57	16.02	29.4	0
6/1/2018 19:30	2.26	280.4	8.9	15.86	29.4	0
6/1/2018 19:45	2.564	295.7	2.25	15.72	29.4	0
6/1/2018 20:00	2.294	300	0.573	15.59	29.43	0
6/1/2018 20:15	1.859	307.7	15.54	15.42	29.43	0
6/1/2018 20:30	1.921	353.6	3.19	14.64	29.43	0
6/1/2018 20:45	1.852	36.29	10.96	14.51	29.43	0
6/1/2018 21:00	1.808	42.64	0.093	14.57	29.44	0
6/1/2018 21:15	2.434	44.21	3.022	13.9	29.44	0
6/1/2018 21:30	1.817	57.86	5.037	13.4	29.44	0
6/1/2018 21:45	2.076	87	19.47	13.28	29.44	0
6/1/2018 22:00	1.702	125.1	18.59	13.41	29.42	0
6/1/2018 22:15	3.09	145.3	10.02	13.52	29.42	0
6/1/2018 22:30	3.012	130	7.155	12.44	29.42	0
6/1/2018 22:45	3.213	140.1	6.931	12.9	29.42	0
6/1/2018 23:00	3.152	170.1	8.01	12.44	29.44	0
6/1/2018 23:15	4.392	217.5	12.44	11.58	29.44	0
6/1/2018 23:30	7.728	205	7.794	11.24	29.44	0
6/1/2018 23:45	7.765	202.1	3.91	11.34	29.44	0
6/2/2018 0:00	5.316	183.5	10.68	11.37	29.45	0
6/2/2018 0:15	2.663	137	19.48	10.93	29.45	0

6/2/2018 0:30	2.838	102.6	7.563	10.74	29.45	0
6/2/2018 0:45	3.82	115.1	3.985	10.76	29.45	0
6/2/2018 1:00	2.49	112.8	3.591	10.87	29.45	0
6/2/2018 1:15	1.817	129.2	11.95	11.19	29.45	0
6/2/2018 1:30	1.283	127	0.157	11.24	29.45	0
6/2/2018 1:45	2.537	133.6	7.915	11.15	29.45	0
6/2/2018 2:00	3.579	152.1	6.686	11.16	29.44	0
6/2/2018 2:15	4.107	164.4	9.75	11.05	29.44	0
6/2/2018 2:30	3.815	148.7	16.23	10.81	29.44	0
6/2/2018 2:45	3.302	116.3	6.677	10.7	29.44	0
6/2/2018 3:00	4.115	142.5	10.55	10.71	29.44	0
6/2/2018 3:15	3.882	148.6	5.071	10.88	29.44	0
6/2/2018 3:30	3.434	159.2	7.05	11.1	29.44	0
6/2/2018 3:45	2.549	165.7	10.72	10.69	29.44	0
6/2/2018 4:00	2.079	124.9	19.92	10.19	29.44	0
6/2/2018 4:15	3.015	141.2	18.36	10.59	29.44	0
6/2/2018 4:30	4.406	162.9	10.43	10.75	29.44	0
6/2/2018 4:45	4.432	163.8	11.53	10.57	29.44	0
6/2/2018 5:00	3.585	173.9	13.43	10.57	29.44	0
6/2/2018 5:15	4.269	155.8	9.24	11.1	29.44	0
6/2/2018 5:30	3.716	106.5	19.7	11.5	29.44	0
6/2/2018 5:45	2.192	83.5	28.01	11.44	29.44	0
6/2/2018 6:00	4.463	155.9	10.31	12	29.44	0
6/2/2018 6:15	4.115	171.3	15.35	12.84	29.44	0
6/2/2018 6:30	4.347	146	9.23	13.02	29.44	0
6/2/2018 6:45	4.112	144.3	9.85	13.43	29.44	0
6/2/2018 7:00	2.949	192.8	18.29	13.68	29.44	0
6/2/2018 7:15	2.36	224.2	22.44	13.77	29.44	0
6/2/2018 7:30	2.203	210	22.3	14.28	29.44	0
6/2/2018 7:45	2.029	127.8	27.75	15.43	29.44	0
6/2/2018 8:00	1.662	185.6	78.33	16.01	29.44	0
6/2/2018 8:15	2.03	245.4	29.12	16	29.44	0
6/2/2018 8:30	2.219	257.1	47.28	16.39	29.44	0
6/2/2018 8:45	3.023	208.8	23.04	16.84	29.44	0
6/2/2018 9:00	3.587	239.5	34.83	17.32	29.42	0
6/2/2018 9:15	2.881	247.2	42.22	17.89	29.42	0
6/2/2018 9:30	3.814	262.5	41.83	18.64	29.42	0
6/2/2018 9:45	4.176	308	36.07	18.68	29.42	0
6/2/2018 10:00	3.356	309.5	43.25	18.96	29.42	0
6/2/2018 10:15	5.69	293.7	21.95	18.94	29.42	0
6/2/2018 10:30	5.655	249.9	26.7	19.2	29.42	0
6/2/2018 10:45	5.922	247.4	22.47	19.6	29.42	0
6/2/2018 11:00	2.061	102.2	95.3	20.38	29.42	0
6/2/2018 11:15	5.619	253.4	34.83	20.56	29.42	0
6/2/2018 11:30	5.355	261.8	43.74	20.41	29.42	0
6/2/2018 11:45	4.019	347.1	31.05	20.82	29.42	0
6/2/2018 12:00	4.36	251	46.15	20.85	29.39	0
6/2/2018 12:15	5.958	258.9	23.13	20.98	29.39	0
6/2/2018 12:30	3.461	225.3	47.28	21.26	29.39	0
6/2/2018 12:45	4.008	244.4	38.75	21.66	29.39	0
6/2/2018 13:00	5.973	283.3	25.99	21.82	29.36	0
6/2/2018 13:15	6.826	270.8	16.97	21.85	29.36	0
6/2/2018 13:30	5.871	281.1	25.43	21.73	29.36	0
6/2/2018 13:45	4.421	294.4	36.47	21.94	29.36	0
6/2/2018 14:00	3.474	278.9	30.7	22.32	29.35	0
6/2/2018 14:15	4.318	318.6	31.27	22.31	29.35	0
6/2/2018 14:30	3.218	309.4	34.79	22.35	29.35	0
6/2/2018 14:45	3.804	232.2	31.75	22.58	29.35	0
6/2/2018 15:00	2.441	245.7	43.84	22.6	29.33	0

6/2/2018 15:15	5.31	335.1	19.31	22.86	29.33	0
6/2/2018 15:30	4.85	305.4	26.25	22.99	29.33	0
6/2/2018 15:45	5.311	301.3	23.38	23.18	29.33	0
6/2/2018 16:00	3.631	282	29.04	22.99	29.34	0
6/2/2018 16:15	4.246	318.4	46.83	23.47	29.34	0
6/2/2018 16:30	4.259	293.4	40.24	23.21	29.34	0
6/2/2018 16:45	3.468	148.4	84.3	23.23	29.34	0
6/2/2018 17:00	4.268	289	64.22	23.29	29.3	0
6/2/2018 17:15	6.752	244.9	29.08	23.22	29.3	0
6/2/2018 17:30	8.37	216.4	9.79	23.01	29.3	0
6/2/2018 17:45	5.715	219.9	21.64	22.85	29.3	0
6/2/2018 18:00	4.3	235.4	18.91	22.8	29.3	0
6/2/2018 18:15	6.224	224.8	10.97	22.75	29.3	0
6/2/2018 18:30	5.29	222.1	8.37	22.47	29.3	0
6/2/2018 18:45	5.114	221.6	7.608	22.4	29.3	0
6/2/2018 19:00	5.3	229	8.99	22.27	29.29	0
6/2/2018 19:15	6.025	270.1	17.16	21.51	29.29	0
6/2/2018 19:30	5.348	304.3	8.43	20.69	29.29	0
6/2/2018 19:45	6.28	308	4.789	19.65	29.29	0
6/2/2018 20:00	4.552	311.8	7.796	19.38	29.29	0
6/2/2018 20:15	2.842	17.73	26.46	19.37	29.29	0
6/2/2018 20:30	5.252	30.35	8.07	18.37	29.29	0
6/2/2018 20:45	5.356	29.37	9.36	17.77	29.29	0
6/2/2018 21:00	6.241	30.97	9.03	17.01	29.29	0
6/2/2018 21:15	5.917	24.64	7.049	16.57	29.29	0
6/2/2018 21:30	6.28	18.72	7.442	16.44	29.29	0
6/2/2018 21:45	3.854	324.2	61.05	16.2	29.29	0
6/2/2018 22:00	1.633	256.7	15.08	16.02	29.27	0
6/2/2018 22:15	2.28	46.42	31.1	15.81	29.27	0
6/2/2018 22:30	6.167	33.98	8.17	15	29.27	0
6/2/2018 22:45	5.658	34.47	9.41	14.71	29.27	0
6/2/2018 23:00	5.55	33.51	8.55	14.51	29.27	0
6/2/2018 23:15	0.696	28.09	2.427	14.18	29.27	0
6/2/2018 23:30	2.741	260.5	32.19	14.54	29.27	0
6/2/2018 23:45	4.724	217.6	6.607	14.28	29.27	0
6/3/2018 0:00	2.308	110.1	45.46	13.74	29.28	0
6/3/2018 0:15	2.324	97.6	17.38	12.99	29.28	0
6/3/2018 0:30	4.778	129.3	12.1	12.79	29.28	0
6/3/2018 0:45	6.446	150.2	7.74	12.56	29.28	0
6/3/2018 1:00	6.109	154.5	4.178	12.2	29.25	0
6/3/2018 1:15	4.437	176.4	8.32	12.66	29.25	0
6/3/2018 1:30	4.353	185.7	13.61	12.97	29.25	0
6/3/2018 1:45	3.908	212.5	11.46	13.14	29.25	0
6/3/2018 2:00	2.827	170.2	20.11	13.08	29.28	0
6/3/2018 2:15	3.245	130.7	11.39	12.54	29.28	0
6/3/2018 2:30	4.585	130	17.19	12.32	29.28	0
6/3/2018 2:45	5.56	149.8	4.393	12.24	29.28	0
6/3/2018 3:00	4.07	139.8	4.817	12.15	29.26	0
6/3/2018 3:15	3.983	167.6	11.21	12.27	29.26	0
6/3/2018 3:30	4.656	156.4	7.311	12.3	29.26	0
6/3/2018 3:45	4.158	150.7	4.4	12.41	29.26	0
6/3/2018 4:00	3.542	154.7	24.33	12.22	29.24	0
6/3/2018 4:15	3.995	173.8	12.84	12.42	29.24	0
6/3/2018 4:30	4.262	175.6	6.411	12.22	29.24	0
6/3/2018 4:45	5.065	187.6	4.591	12.36	29.24	0
6/3/2018 5:00	4.152	180.8	5.145	12.1	29.26	0
6/3/2018 5:15	4.771	188.7	8.22	12.19	29.26	0
6/3/2018 5:30	4.758	189.2	12.96	12.33	29.26	0
6/3/2018 5:45	4.773	191.5	10.85	12.44	29.26	0

6/3/2018 6:00	4.39	199.6	6.472	12.53	29.24	0
6/3/2018 6:15	4.798	216.6	8.79	12.24	29.24	0
6/3/2018 6:30	4.153	238.8	11.67	12.39	29.24	0
6/3/2018 6:45	3.583	265.1	15.7	12.63	29.24	0
6/3/2018 7:00	4.51	284.6	8.93	12.64	29.24	0
6/3/2018 7:15	4.093	281.8	11.19	12.65	29.24	0
6/3/2018 7:30	3.108	262.7	14.33	13.46	29.24	0
6/3/2018 7:45	1.974	191.5	43.69	14.04	29.24	0
6/3/2018 8:00	2.205	220.4	25.48	14.31	29.23	0
6/3/2018 8:15	4.014	230.8	16.85	14.48	29.23	0
6/3/2018 8:30	1.997	234.7	53.84	15.12	29.23	0
6/3/2018 8:45	2.541	281.3	38.01	15.02	29.23	0
6/3/2018 9:00	3.006	220.3	44.35	15.26	29.2	0
6/3/2018 9:15	3.039	227.6	32.25	15.41	29.2	0
6/3/2018 9:30	3.347	197	51.28	15.87	29.2	0
6/3/2018 9:45	3.876	200.3	29.84	16.24	29.2	0
6/3/2018 10:00	3.16	232.6	41.62	16.16	29.19	0
6/3/2018 10:15	3.743	236.2	45.36	16.63	29.19	0
6/3/2018 10:30	5.623	223	20.42	16.9	29.19	0
6/3/2018 10:45	5.6	220.7	20.3	16.96	29.19	0
6/3/2018 11:00	10.01	239.9	14.41	17.04	29.23	0
6/3/2018 11:15	7.133	229.1	28.64	16.98	29.23	0
6/3/2018 11:30	9.57	275.6	15.32	16.39	29.23	0
6/3/2018 11:45	9.63	274.4	12.77	17.11	29.23	0
6/3/2018 12:00	6.604	250.8	20.43	17.08	29.23	0
6/3/2018 12:15	6.216	236.4	21.5	16.93	29.23	0
6/3/2018 12:30	6.283	245.9	19.55	17.13	29.23	0
6/3/2018 12:45	6.712	258.1	20.6	17.17	29.23	0
6/3/2018 13:00	6.225	271.4	18.74	17.01	29.21	0
6/3/2018 13:15	7.8	272.4	17.48	16.58	29.21	0
6/3/2018 13:30	7.435	270.4	14.09	16.31	29.21	0
6/3/2018 13:45	6.085	233	7.622	15.78	29.21	0
6/3/2018 14:00	5.227	247.8	15.5	15.22	29.23	0
6/3/2018 14:15	6.555	242.9	8.75	14.61	29.23	0.01
6/3/2018 14:30	4.91	227.7	17.18	14.46	29.23	0
6/3/2018 14:45	6.199	266.5	15.83	14.32	29.23	0
6/3/2018 15:00	6.569	274.3	8.11	14.17	29.23	0
6/3/2018 15:15	6.857	273.7	7.655	14	29.23	0
6/3/2018 15:30	6.23	277.9	11.75	13.85	29.23	0
6/3/2018 15:45	4.399	267.9	13.76	13.73	29.23	0
6/3/2018 16:00	3.144	274.2	12.74	13.86	29.22	0
6/3/2018 16:15	6.131	256.7	9.94	13.64	29.22	0
6/3/2018 16:30	6.441	257.6	7.625	13.35	29.22	0
6/3/2018 16:45	6.679	261.4	7.476	13.16	29.22	0
6/3/2018 17:00	5.104	263.5	14.97	13.17	29.22	0
6/3/2018 17:15	5.652	254.3	8.84	12.88	29.22	0
6/3/2018 17:30	5.982	239	5.34	12.68	29.22	0
6/3/2018 17:45	7.62	232.6	7.839	12.61	29.22	0
6/3/2018 18:00	8.95	235.8	7.616	12.28	29.23	0
6/3/2018 18:15	7.702	245.4	8.09	11.91	29.23	0
6/3/2018 18:30	6.159	263.7	11.3	11.76	29.23	0
6/3/2018 18:45	3.34	290.3	21	11.57	29.23	0
6/3/2018 19:00	3.209	265.5	14.88	11.6	29.2	0
6/3/2018 19:15	3.864	259.5	8.45	11.63	29.2	0
6/3/2018 19:30	3.468	259.6	8.69	11.58	29.2	0
6/3/2018 19:45	2.755	286.7	11.58	11.55	29.2	0
6/3/2018 20:00	2.352	289.3	15.43	11.47	29.23	0
6/3/2018 20:15	2.544	270.4	7.521	11.49	29.23	0
6/3/2018 20:30	1.122	294.9	39.51	11.46	29.23	0

6/3/2018 20:45	3.459	32.4	6.846	10.86	29.23	0
6/3/2018 21:00	4.815	30.71	6.786	10.63	29.25	0
6/3/2018 21:15	4.946	39.3	9.36	10.55	29.25	0
6/3/2018 21:30	6.04	25.96	6.867	10.39	29.25	0
6/3/2018 21:45	5.272	28.11	6.884	10.39	29.25	0
6/3/2018 22:00	4.576	21.6	7.444	10.44	29.25	0
6/3/2018 22:15	3.235	30.63	7.289	10.46	29.25	0
6/3/2018 22:30	2.747	31.83	4.113	10.44	29.25	0
6/3/2018 22:45	4.427	37.5	7.774	10.4	29.25	0
6/3/2018 23:00	5.711	31.67	7.654	10.37	29.24	0
6/3/2018 23:15	5.682	19.12	6.223	10.43	29.24	0
6/3/2018 23:30	4.226	31.09	7.298	10.39	29.24	0
6/3/2018 23:45	5.791	29.44	8.64	10.36	29.24	0
6/4/2018 0:00	3.593	356.2	23.97	10.54	29.24	0
6/4/2018 0:15	2.558	291	24.79	10.75	29.24	0
6/4/2018 0:30	2.058	18.11	26.24	10.63	29.24	0
6/4/2018 0:45	3.249	24.74	6.435	10.34	29.24	0
6/4/2018 1:00	4.402	19.12	8.06	10.25	29.24	0
6/4/2018 1:15	3.594	30.8	12.37	10.06	29.24	0
6/4/2018 1:30	3.114	44.24	15.42	9.94	29.24	0
6/4/2018 1:45	1.061	56.83	30.27	9.88	29.24	0
6/4/2018 2:00	4.167	34.68	12.73	9.74	29.25	0
6/4/2018 2:15	6.39	31.14	7.917	9.6	29.25	0
6/4/2018 2:30	6.765	22.93	9.74	9.49	29.25	0
6/4/2018 2:45	6.463	19.47	12.24	9.35	29.25	0
6/4/2018 3:00	5.578	23.09	7.003	9.29	29.25	0
6/4/2018 3:15	4.867	25.91	13.8	9.27	29.25	0
6/4/2018 3:30	4.431	35.74	12.76	9.1	29.25	0
6/4/2018 3:45	4.628	20.64	15.56	8.99	29.25	0
6/4/2018 4:00	5.158	15.77	12.02	8.8	29.27	0
6/4/2018 4:15	3.23	1.87	11.24	8.71	29.27	0
6/4/2018 4:30	3.402	24.89	13.14	8.56	29.27	0
6/4/2018 4:45	3.765	35.17	9.9	8.5	29.27	0
6/4/2018 5:00	2.957	44.26	5.766	8.47	29.28	0
6/4/2018 5:15	3.012	46.05	12.04	8.49	29.28	0
6/4/2018 5:30	3.526	46.31	6.275	8.52	29.28	0
6/4/2018 5:45	2.565	45.28	8.06	8.64	29.28	0
6/4/2018 6:00	1.25	49.13	5.097	8.76	29.26	0
6/4/2018 6:15	0.441	58.33	5.665	8.87	29.26	0
6/4/2018 6:30	2.122	104.2	25.93	9.07	29.26	0
6/4/2018 6:45	2.654	57.88	4.644	8.93	29.26	0
6/4/2018 7:00	2.279	76.02	14.46	9	29.26	0
6/4/2018 7:15	3.234	97.9	5.788	9.2	29.26	0
6/4/2018 7:30	3.324	89.9	9.77	9.36	29.26	0
6/4/2018 7:45	4.164	93.8	11.1	9.39	29.26	0
6/4/2018 8:00	3.048	91.7	13.67	9.57	29.28	0
6/4/2018 8:15	3.723	69.16	12.63	9.38	29.28	0
6/4/2018 8:30	3.88	67.25	9.9	9.01	29.28	0
6/4/2018 8:45	3.583	45.97	9.22	9.05	29.28	0
6/4/2018 9:00	3.914	40.46	10.88	9.14	29.3	0
6/4/2018 9:15	3.871	24.07	12.72	9.35	29.3	0
6/4/2018 9:30	3.851	22.65	9.82	10.16	29.3	0
6/4/2018 9:45	4.198	19.85	11.03	10.34	29.3	0
6/4/2018 10:00	4.057	59.88	17.18	10.42	29.29	0
6/4/2018 10:15	1.989	85.2	15.44	10.93	29.29	0
6/4/2018 10:30	2.189	34.13	57.9	10.48	29.29	0.01
6/4/2018 10:45	2.797	21.51	18.12	10.51	29.29	0
6/4/2018 11:00	2.557	36.35	18.24	11.5	29.29	0
6/4/2018 11:15	3.418	37.36	68.24	11.96	29.29	0

6/4/2018 11:30	5.419	41.31	15.11	12.37	29.29	0
6/4/2018 11:45	3.826	32.94	44.72	12.78	29.29	0
6/4/2018 12:00	2.76	32.24	69.13	13.86	29.26	0
6/4/2018 12:15	4.042	188.1	47.08	15.04	29.26	0
6/4/2018 12:30	5.988	256.2	47.89	14.57	29.26	0
6/4/2018 12:45	2.684	247.3	58	14.82	29.26	0
6/4/2018 13:00	5.397	304.7	27.26	14.97	29.26	0
6/4/2018 13:15	4.659	339.9	27.63	14.89	29.26	0
6/4/2018 13:30	2.756	305.9	37.84	15.12	29.26	0
6/4/2018 13:45	6.402	357.1	20.99	15.69	29.26	0
6/4/2018 14:00	8.08	10.49	18.44	15.69	29.27	0
6/4/2018 14:15	5.813	13.07	42.75	16.42	29.27	0
6/4/2018 14:30	4.424	40.17	37.68	16.08	29.27	0
6/4/2018 14:45	4.555	83.3	22.09	15.68	29.27	0
6/4/2018 15:00	5.385	54.55	19.34	15.68	29.25	0
6/4/2018 15:15	7.851	27.22	13.6	15.49	29.25	0
6/4/2018 15:30	6.799	21.89	12.78	15.37	29.25	0
6/4/2018 15:45	3.576	74.95	26.19	15.25	29.25	0
6/4/2018 16:00	1.157	133	64.19	15.75	29.26	0
6/4/2018 16:15	3.384	35.48	10.1	15.81	29.26	0
6/4/2018 16:30	4.463	19.01	12.48	16.26	29.26	0
6/4/2018 16:45	3.654	47.24	31.1	16.13	29.26	0
6/4/2018 17:00	3.484	85.4	16.57	15.75	29.24	0
6/4/2018 17:15	4.086	35.22	14.11	16.03	29.24	0
6/4/2018 17:30	4.412	32.98	37.32	16.13	29.24	0
6/4/2018 17:45	1.142	123.8	13.42	16.23	29.24	0
6/4/2018 18:00	1.086	77.46	14.41	16.04	29.23	0
6/4/2018 18:15	1.726	59.96	2.509	16.08	29.23	0
6/4/2018 18:30	2.135	119.4	32.26	16.48	29.23	0
6/4/2018 18:45	3.036	137.5	10.44	16.41	29.23	0
6/4/2018 19:00	3.767	143.4	8.89	16.15	29.2	0
6/4/2018 19:15	3.131	145.1	7.67	15.86	29.2	0
6/4/2018 19:30	1.198	87.8	36.52	16	29.2	0
6/4/2018 19:45	3.121	86.4	12.04	15.28	29.2	0
6/4/2018 20:00	1.811	63.25	18.95	14.87	29.2	0
6/4/2018 20:15	2.504	30.3	3.838	14.6	29.2	0
6/4/2018 20:30	2.294	29.39	1.13	14.34	29.2	0
6/4/2018 20:45	1.622	30.54	0.153	13.72	29.2	0
6/4/2018 21:00	2.559	334.6	20.58	13.47	29.21	0
6/4/2018 21:15	1.729	331.7	20.94	13.24	29.21	0
6/4/2018 21:30	1.159	359	6.714	12.34	29.21	0
6/4/2018 21:45	1.445	6.719	17.81	12.14	29.21	0
6/4/2018 22:00	3.27	25.6	16.84	11.55	29.19	0
6/4/2018 22:15	0.523	18.07	7.215	11.22	29.19	0
6/4/2018 22:30	0.317	41.45	1.896	11.04	29.19	0
6/4/2018 22:45	3.008	31.32	9.16	10.98	29.19	0
6/4/2018 23:00	3.445	48.1	13.05	10.27	29.18	0
6/4/2018 23:15	3.703	60.8	15.08	9.61	29.18	0
6/4/2018 23:30	3.451	94.1	7.371	9.2	29.18	0
6/4/2018 23:45	3.213	81.8	4.996	9.11	29.18	0
6/5/2018 0:00	3.638	99	9.27	9.25	29.19	0
6/5/2018 0:15	4.3	109	5.749	9.47	29.19	0
6/5/2018 0:30	4.866	125.2	7.162	9.55	29.19	0
6/5/2018 0:45	4.932	138.1	4.589	9.45	29.19	0
6/5/2018 1:00	4.019	128.2	8.47	9.38	29.19	0
6/5/2018 1:15	4.304	124.6	7.788	9.38	29.19	0
6/5/2018 1:30	4.409	130.8	5.649	9.19	29.19	0
6/5/2018 1:45	4.422	126.6	5.392	9.06	29.19	0
6/5/2018 2:00	4.63	133.4	6.077	8.96	29.16	0

6/5/2018 2:15	5.356	126.6	4.472	8.87	29.16	0
6/5/2018 2:30	5.9	128.2	4.717	9.06	29.16	0
6/5/2018 2:45	5.017	130	5.501	9	29.16	0
6/5/2018 3:00	5.824	136.1	8.78	8.9	29.18	0
6/5/2018 3:15	5.261	160.3	7.265	8.68	29.18	0
6/5/2018 3:30	3.42	157.1	16.25	8.88	29.18	0
6/5/2018 3:45	3.318	153.6	23.63	8.88	29.18	0
6/5/2018 4:00	3.695	180.9	9.41	8.62	29.14	0
6/5/2018 4:15	4.521	181.3	11.34	8.44	29.14	0
6/5/2018 4:30	3.287	161.5	10.34	8.21	29.14	0
6/5/2018 4:45	1.734	150.6	4.217	8.3	29.14	0
6/5/2018 5:00	3.042	169.3	6.779	9.11	29.17	0
6/5/2018 5:15	1.876	152.6	10.42	9.12	29.17	0
6/5/2018 5:30	2.166	161.9	16.77	8.99	29.17	0
6/5/2018 5:45	3.543	174	9.43	9.12	29.17	0
6/5/2018 6:00	3.947	180.3	29.94	8.8	29.17	0
6/5/2018 6:15	3.836	162.6	20.01	8.79	29.17	0
6/5/2018 6:30	5.665	174	15.26	9.68	29.17	0
6/5/2018 6:45	5.856	152.4	11.56	9.98	29.17	0
6/5/2018 7:00	5.663	145.3	6.715	10.13	29.19	0
6/5/2018 7:15	5.71	150.8	15.56	10.98	29.19	0
6/5/2018 7:30	5.345	182.7	25.45	10.48	29.19	0
6/5/2018 7:45	6.017	187.4	9.97	10.69	29.19	0
6/5/2018 8:00	7.02	168.4	18.51	11.18	29.18	0
6/5/2018 8:15	6.795	185.3	12.61	11.4	29.18	0
6/5/2018 8:30	5.956	192.9	16.44	12.08	29.18	0
6/5/2018 8:45	6.739	185.1	13.78	12.78	29.18	0
6/5/2018 9:00	6.081	151.9	23.02	13.09	29.19	0
6/5/2018 9:15	6.286	207.4	35.44	13.42	29.19	0
6/5/2018 9:30	5.557	134	25.64	14.37	29.19	0
6/5/2018 9:45	6.9	188.8	17.77	14.37	29.19	0
6/5/2018 10:00	6.041	197	29.73	14.7	29.17	0
6/5/2018 10:15	7.56	223.4	19.02	15.03	29.17	0
6/5/2018 10:30	6.428	221.2	23.19	15.2	29.17	0
6/5/2018 10:45	6.279	189.5	28.07	15.72	29.17	0
6/5/2018 11:00	5.329	199.2	57.34	16.39	29.19	0
6/5/2018 11:15	8.34	221.6	22.33	16.19	29.19	0
6/5/2018 11:30	6.37	230.8	29.28	15.95	29.19	0
6/5/2018 11:45	8.7	242	16.74	16.55	29.19	0
6/5/2018 12:00	8.53	238	30.87	16.71	29.18	0
6/5/2018 12:15	9.16	231.9	28.11	17.08	29.18	0
6/5/2018 12:30	8.33	229.2	20.59	17.01	29.18	0
6/5/2018 12:45	7.436	248.1	17.74	16.4	29.18	0
6/5/2018 13:00	9.04	270.6	35.68	16.97	29.2	0
6/5/2018 13:15	7.847	245.1	18.4	17.01	29.2	0
6/5/2018 13:30	10.37	258.9	14.79	17.32	29.2	0
6/5/2018 13:45	7.723	254.8	24.35	17.33	29.2	0
6/5/2018 14:00	9.34	273.1	19.9	17.27	29.21	0
6/5/2018 14:15	10.09	268.5	17.91	16.99	29.21	0
6/5/2018 14:30	7.769	278.2	14.07	17.31	29.21	0
6/5/2018 14:45	7.067	255.9	19.81	17.89	29.21	0
6/5/2018 15:00	10.25	272.2	13.82	18.19	29.18	0
6/5/2018 15:15	9.75	266.2	20.6	18.24	29.18	0
6/5/2018 15:30	8.83	264.8	23.13	18.3	29.18	0
6/5/2018 15:45	7.546	252.3	19.38	18.35	29.18	0
6/5/2018 16:00	5.694	279.5	36.89	18.56	29.19	0
6/5/2018 16:15	6.686	220.1	22.77	18.43	29.19	0
6/5/2018 16:30	5.285	247	28.44	18.8	29.19	0
6/5/2018 16:45	7.301	252.4	29.39	18.59	29.19	0

6/5/2018 17:00	8.69	264.6	21.92	18.61	29.19	0
6/5/2018 17:15	7.307	238.4	14.31	18.65	29.19	0
6/5/2018 17:30	7.306	253.6	20.03	18.45	29.19	0
6/5/2018 17:45	7.454	284	13.59	18.26	29.19	0
6/5/2018 18:00	7.063	256.1	16.36	18.02	29.2	0
6/5/2018 18:15	5.857	258.8	17.34	17.89	29.2	0
6/5/2018 18:30	4.069	272.1	17.56	17.86	29.2	0
6/5/2018 18:45	6.614	265.3	7.763	17.42	29.2	0
6/5/2018 19:00	5.426	276.5	5.853	17.21	29.19	0
6/5/2018 19:15	5.46	274	5.622	16.92	29.19	0
6/5/2018 19:30	6.176	270.1	6.065	16.53	29.19	0
6/5/2018 19:45	4.98	270.7	6.557	16.12	29.19	0
6/5/2018 20:00	5.702	275.8	5.671	15.63	29.2	0
6/5/2018 20:15	5.69	277	5.68	15.26	29.2	0
6/5/2018 20:30	5.581	278.4	4.605	15.01	29.2	0
6/5/2018 20:45	5.036	273.6	7.036	14.89	29.2	0
6/5/2018 21:00	4.36	284.2	6.115	14.6	29.21	0
6/5/2018 21:15	4.253	283.8	5.557	14.31	29.21	0
6/5/2018 21:30	2.71	318.8	22.07	13.59	29.21	0
6/5/2018 21:45	1.284	337.7	0.8	13.66	29.21	0
6/5/2018 22:00	0.6	337.6	0.155	13.46	29.21	0
6/5/2018 22:15	0	0	0	13.31	29.21	0
6/5/2018 22:30	0.129	317.6	0.702	13.63	29.21	0
6/5/2018 22:45	2.077	183.7	20.64	13.37	29.21	0
6/5/2018 23:00	3.117	184.2	14.96	13.04	29.21	0
6/5/2018 23:15	3.509	185.2	3.809	12.64	29.21	0
6/5/2018 23:30	3.363	177.4	6.069	12.42	29.21	0
6/5/2018 23:45	3.523	161	5.023	12.09	29.21	0
6/6/2018 0:00	3.569	148.5	9.84	11.83	29.19	0
6/6/2018 0:15	3.838	155.7	9	11.32	29.19	0
6/6/2018 0:30	3.332	150.6	5.497	10.97	29.19	0
6/6/2018 0:45	3.75	144.3	3.934	10.61	29.19	0
6/6/2018 1:00	4.235	143.8	6.166	10.42	29.18	0
6/6/2018 1:15	4.011	130.2	5.211	10.43	29.18	0
6/6/2018 1:30	4.282	137.1	5.562	10.59	29.18	0
6/6/2018 1:45	4.593	137.4	8.25	10.38	29.18	0
6/6/2018 2:00	4.385	135.8	7.923	10.69	29.19	0
6/6/2018 2:15	4.709	142.9	4.363	10.59	29.19	0
6/6/2018 2:30	4.749	131.6	4.883	10.38	29.19	0
6/6/2018 2:45	4.213	139.5	7.446	10.5	29.19	0
6/6/2018 3:00	4.745	152	6.275	10.31	29.17	0
6/6/2018 3:15	4.893	160.1	7.755	9.83	29.17	0
6/6/2018 3:30	4.818	154.5	5.516	9.76	29.17	0
6/6/2018 3:45	4.612	150	5.518	9.73	29.17	0
6/6/2018 4:00	3.897	140.6	3.648	9.66	29.16	0
6/6/2018 4:15	3.521	154.2	6.845	9.86	29.16	0
6/6/2018 4:30	3.038	158.8	3.935	9.88	29.16	0
6/6/2018 4:45	2.643	150.6	2.055	9.92	29.16	0
6/6/2018 5:00	2.869	167.6	6.379	9.99	29.17	0
6/6/2018 5:15	3.307	168	11.32	9.41	29.17	0
6/6/2018 5:30	2.871	147.4	3.841	9.76	29.17	0
6/6/2018 5:45	2.191	148	4.325	10.22	29.17	0
6/6/2018 6:00	2.525	158.7	8.22	10.62	29.17	0
6/6/2018 6:15	2.536	132	14.51	11.2	29.17	0
6/6/2018 6:30	2.722	112.2	5.815	12.04	29.17	0
6/6/2018 6:45	2.267	121.6	7.518	12.44	29.17	0
6/6/2018 7:00	2.232	140.3	13.16	12.82	29.18	0
6/6/2018 7:15	2.617	125.6	12.92	13.25	29.18	0
6/6/2018 7:30	2.683	170.6	28.64	13.38	29.18	0

6/6/2018 7:45	1.8	198.1	36.46	13.49	29.18	0
6/6/2018 8:00	2.455	236.1	23.26	13.83	29.17	0
6/6/2018 8:15	2.956	227.9	24.36	14.1	29.17	0
6/6/2018 8:30	3.257	269.6	42.39	14.68	29.17	0
6/6/2018 8:45	3.188	236	46.71	14.89	29.17	0
6/6/2018 9:00	2.984	293.3	26.86	15.18	29.15	0
6/6/2018 9:15	3.325	279.4	34.65	15.39	29.15	0
6/6/2018 9:30	2.126	275.7	38.97	15.72	29.15	0
6/6/2018 9:45	3.767	235.5	25.32	16.04	29.15	0
6/6/2018 10:00	3.204	230.9	40.05	16.55	29.13	0
6/6/2018 10:15	3.755	257	37	16.93	29.13	0
6/6/2018 10:30	2.867	241.4	40.51	17.16	29.13	0
6/6/2018 10:45	4.404	218.5	39.21	17.83	29.13	0
6/6/2018 11:00	4.986	273.8	20.7	18.32	29.14	0
6/6/2018 11:15	5.622	269.6	20.45	18.39	29.14	0
6/6/2018 11:30	5.656	267.3	19.99	18.82	29.14	0
6/6/2018 11:45	5.87	261.9	17.36	19.11	29.14	0
6/6/2018 12:00	5.636	268.6	23.07	19.35	29.12	0
6/6/2018 12:15	7.028	266.9	28.91	19.75	29.12	0
6/6/2018 12:30	6.243	269.1	18.24	19.71	29.12	0
6/6/2018 12:45	7.055	269.6	30.62	19.95	29.12	0
6/6/2018 13:00	7.698	291.1	22.25	20.07	29.11	0
6/6/2018 13:15	6.08	242.6	25.06	20.22	29.11	0
6/6/2018 13:30	7.581	222.9	16.6	20.44	29.11	0
6/6/2018 13:45	6.191	292.5	21.22	20.81	29.11	0
6/6/2018 14:00	5.861	279.3	19.21	20.84	29.08	0
6/6/2018 14:15	5.469	284.2	29.9	21.27	29.08	0
6/6/2018 14:30	5.804	243.9	29.59	21.23	29.08	0
6/6/2018 14:45	3.742	269.2	66.57	21.43	29.08	0
6/6/2018 15:00	6.156	272.2	23.22	22.09	29.06	0
6/6/2018 15:15	4.394	236.8	39.43	22.05	29.06	0
6/6/2018 15:30	7.409	261.8	28.33	22.13	29.06	0
6/6/2018 15:45	5.65	283.4	32.16	21.94	29.06	0
6/6/2018 16:00	6.386	265.8	28.42	22.27	29.05	0
6/6/2018 16:15	6.862	260.7	22.34	22.06	29.05	0
6/6/2018 16:30	8.42	235	21.22	22.03	29.05	0
6/6/2018 16:45	7.514	236.8	15.85	22.09	29.05	0
6/6/2018 17:00	6.386	243.8	17.65	22.17	29.05	0
6/6/2018 17:15	7.928	228.8	17.17	22.09	29.05	0
6/6/2018 17:30	6.027	232.6	17.73	21.97	29.05	0
6/6/2018 17:45	7.925	250.2	8.15	22.07	29.05	0
6/6/2018 18:00	7.667	234.2	12.4	21.82	29.05	0
6/6/2018 18:15	6.565	241.9	9.37	21.53	29.05	0
6/6/2018 18:30	5.697	249.8	9.76	21.41	29.05	0
6/6/2018 18:45	4.752	254.6	14.69	21.09	29.05	0
6/6/2018 19:00	4.37	287.7	9.15	20.71	29.04	0
6/6/2018 19:15	4.504	300.6	6.204	20.53	29.04	0
6/6/2018 19:30	4.659	304.2	7.072	19.81	29.04	0
6/6/2018 19:45	2.706	306.2	16.36	19.4	29.04	0
6/6/2018 20:00	3.585	354.2	14.49	18.56	29.06	0
6/6/2018 20:15	3.541	324.4	9.82	18.43	29.06	0
6/6/2018 20:30	7.071	293.2	8.18	17.17	29.06	0
6/6/2018 20:45	7.765	293.7	6.797	16.57	29.06	0
6/6/2018 21:00	4.51	305.9	4.368	16.18	29.08	0
6/6/2018 21:15	2.449	300.1	14.78	16.47	29.08	0
6/6/2018 21:30	0.828	185.4	45.17	16.18	29.08	0
6/6/2018 21:45	2.602	238.3	20.62	15.78	29.08	0
6/6/2018 22:00	3.756	230.8	7.93	15.43	29.08	0
6/6/2018 22:15	3.643	198	6.975	15.18	29.08	0

6/6/2018 22:30	5.391	203.4	5.394	15.01	29.08	0
6/6/2018 22:45	4.971	201.6	3.873	14.46	29.08	0
6/6/2018 23:00	4.572	205	2.928	14.26	29.1	0
6/6/2018 23:15	3.526	197.8	5.614	14.05	29.1	0
6/6/2018 23:30	4.51	194.5	6.365	13.83	29.1	0
6/6/2018 23:45	4.951	205.2	7.449	13.7	29.1	0
6/7/2018 0:00	4.158	199.1	6.677	13.32	29.12	0
6/7/2018 0:15	2.591	181.6	17.11	13.02	29.12	0
6/7/2018 0:30	2.669	198.4	17.58	12.73	29.12	0
6/7/2018 0:45	3.433	164.8	11.73	12.39	29.12	0
6/7/2018 1:00	3.878	162.4	9.73	12.21	29.1	0
6/7/2018 1:15	3.296	158.7	10.6	12.12	29.1	0
6/7/2018 1:30	4.554	176.6	11.7	12.14	29.1	0
6/7/2018 1:45	7.648	159.4	12.37	11.65	29.1	0
6/7/2018 2:00	7.462	186.2	5.799	12.01	29.13	0
6/7/2018 2:15	5.923	196.1	6.17	11.76	29.13	0
6/7/2018 2:30	3.761	195.3	13.14	11.66	29.13	0
6/7/2018 2:45	1.94	183.8	9.89	11.56	29.13	0
6/7/2018 3:00	2.464	147.2	10.51	11.41	29.14	0
6/7/2018 3:15	2.257	149.8	16.26	11.49	29.14	0
6/7/2018 3:30	3.588	178.2	13.41	11.72	29.14	0
6/7/2018 3:45	3.276	175.9	12.7	11.69	29.14	0
6/7/2018 4:00	3.389	165.3	16.91	11.64	29.14	0
6/7/2018 4:15	4.33	175.1	10.73	11.6	29.14	0
6/7/2018 4:30	3.999	176.8	6.486	11.61	29.14	0
6/7/2018 4:45	3.499	189.1	6.501	11.61	29.14	0
6/7/2018 5:00	4.161	182.5	6.684	11.55	29.14	0
6/7/2018 5:15	4.426	175.5	5.756	11.55	29.14	0
6/7/2018 5:30	3.287	146	14.5	11.5	29.14	0
6/7/2018 5:45	3.77	136.6	7.637	11.56	29.14	0
6/7/2018 6:00	5.299	138.3	7.907	11.65	29.17	0
6/7/2018 6:15	5.604	140.3	7.257	11.73	29.17	0
6/7/2018 6:30	5.917	139.2	8.87	11.8	29.17	0
6/7/2018 6:45	6.079	146.1	8.68	11.7	29.17	0
6/7/2018 7:00	5.259	158.1	14.5	11.71	29.16	0
6/7/2018 7:15	5.111	142.4	10.58	11.73	29.16	0
6/7/2018 7:30	5.941	145.5	7.565	11.77	29.16	0
6/7/2018 7:45	6.015	165.2	18.07	11.87	29.16	0
6/7/2018 8:00	6.11	151.8	7.545	11.99	29.18	0
6/7/2018 8:15	4.438	151.1	15.17	12.34	29.18	0
6/7/2018 8:30	4.507	154	18.89	12.72	29.18	0
6/7/2018 8:45	5.057	119.6	16.42	12.77	29.18	0
6/7/2018 9:00	4.965	136.2	13.33	13.49	29.17	0
6/7/2018 9:15	3.827	163.2	25.9	13.46	29.17	0
6/7/2018 9:30	3.837	148.7	21.12	13.62	29.17	0
6/7/2018 9:45	4.337	136.8	25.48	13.94	29.17	0
6/7/2018 10:00	4.658	182.1	30.61	13.95	29.18	0
6/7/2018 10:15	4.537	167.7	27.88	13.98	29.18	0
6/7/2018 10:30	3.842	144.7	31.81	13.98	29.18	0
6/7/2018 10:45	3.084	206.3	25.44	13.96	29.18	0
6/7/2018 11:00	3.126	218.4	18.69	13.92	29.2	0
6/7/2018 11:15	5.808	231.4	10.12	14.11	29.2	0
6/7/2018 11:30	4.23	241.9	22.71	14.18	29.2	0
6/7/2018 11:45	4.8	242.5	11.23	14.33	29.2	0
6/7/2018 12:00	2.484	257.3	23.36	14.35	29.21	0
6/7/2018 12:15	3.991	216.4	19.19	14.39	29.21	0
6/7/2018 12:30	4.167	241.5	24.19	14.66	29.21	0
6/7/2018 12:45	3.252	251.3	24.67	14.9	29.21	0
6/7/2018 13:00	4.425	243.8	23.63	14.96	29.2	0

6/7/2018 13:15	4.385	203.1	16.43	15.33	29.2	0
6/7/2018 13:30	6.306	202.5	28.09	15.39	29.2	0
6/7/2018 13:45	5.846	198.1	38.31	15.47	29.2	0
6/7/2018 14:00	5.478	193.8	17.27	15.27	29.2	0
6/7/2018 14:15	5.565	166.6	16.43	15.57	29.2	0
6/7/2018 14:30	6.034	186.9	16.01	15.52	29.2	0
6/7/2018 14:45	5.656	204.8	21.01	15.39	29.2	0
6/7/2018 15:00	5.809	238	8.65	15.37	29.22	0
6/7/2018 15:15	4.809	225.5	15.93	15.56	29.22	0
6/7/2018 15:30	5.819	242.7	17.2	16	29.22	0
6/7/2018 15:45	6.974	244.5	9.62	15.98	29.22	0
6/7/2018 16:00	3.642	227.7	33.53	16.07	29.21	0
6/7/2018 16:15	4.884	143.4	11.26	16.52	29.21	0
6/7/2018 16:30	4.595	142.6	19.61	16.51	29.21	0
6/7/2018 16:45	3.093	155.2	23.89	16.24	29.21	0
6/7/2018 17:00	4.038	165.7	27.05	16.27	29.2	0
6/7/2018 17:15	3.091	185.2	19.88	16.46	29.2	0
6/7/2018 17:30	4.049	194.1	11.46	16.46	29.2	0
6/7/2018 17:45	2.45	188.6	44.71	16.62	29.2	0
6/7/2018 18:00	3.024	131.7	15.12	16.64	29.19	0
6/7/2018 18:15	3.611	110.1	19.03	16.38	29.19	0
6/7/2018 18:30	4.9	98.9	10.22	16.06	29.19	0
6/7/2018 18:45	3.659	95.6	4.091	15.93	29.19	0
6/7/2018 19:00	3.402	102.1	2.682	15.98	29.2	0
6/7/2018 19:15	2.616	106.2	3.092	15.96	29.2	0
6/7/2018 19:30	2.269	211.1	86.4	16.05	29.2	0
6/7/2018 19:45	5.61	272.6	12.11	15.91	29.2	0
6/7/2018 20:00	6.413	259	8.51	15.56	29.22	0
6/7/2018 20:15	6.913	247	7.221	15.18	29.22	0
6/7/2018 20:30	8.44	251.7	7.932	15.02	29.22	0
6/7/2018 20:45	7.915	250.6	7.011	14.81	29.22	0
6/7/2018 21:00	7.173	251.7	7.486	14.61	29.24	0
6/7/2018 21:15	5.232	249.2	8.41	14.48	29.24	0
6/7/2018 21:30	2.63	236.8	15.14	14.32	29.24	0
6/7/2018 21:45	1.257	206.4	12.1	14.11	29.24	0
6/7/2018 22:00	0.056	201	0.029	13.8	29.24	0
6/7/2018 22:15	2.503	165.7	32.85	13.85	29.24	0
6/7/2018 22:30	4.633	152.6	12.2	13.04	29.24	0
6/7/2018 22:45	4.891	195.6	6.137	13.11	29.24	0
6/7/2018 23:00	5.236	210.6	3.613	13.64	29.23	0
6/7/2018 23:15	5.476	215	5.422	13.26	29.23	0
6/7/2018 23:30	6.551	235.2	8.61	13.37	29.23	0
6/7/2018 23:45	10.69	235.5	5.741	13.36	29.23	0
6/8/2018 0:00	8.52	239.8	7.831	13.25	29.23	0
6/8/2018 0:15	10.69	235.8	7.444	13.21	29.23	0
6/8/2018 0:30	8.61	224.9	9.03	13.15	29.23	0
6/8/2018 0:45	7.131	214	8.38	13.09	29.23	0
6/8/2018 1:00	5.866	201.9	8.34	13.09	29.25	0
6/8/2018 1:15	4.838	187.7	9.07	13.03	29.25	0
6/8/2018 1:30	3.298	153.1	12.13	12.79	29.25	0
6/8/2018 1:45	4.849	169.8	10.27	12.84	29.25	0
6/8/2018 2:00	3.771	159.3	15.2	12.7	29.23	0
6/8/2018 2:15	4.117	117.9	5.99	12.51	29.23	0
6/8/2018 2:30	5.154	107.1	11.4	12.51	29.23	0
6/8/2018 2:45	4.918	131.7	7.795	12.48	29.23	0
6/8/2018 3:00	4.785	131.4	6.152	12.52	29.23	0
6/8/2018 3:15	4.517	118.8	11.7	12.59	29.23	0
6/8/2018 3:30	4.488	102.3	4.919	12.44	29.23	0
6/8/2018 3:45	3.947	121.6	6.3	12.5	29.23	0

6/8/2018 4:00	3.153	147.4	18.18	12.58	29.22	0
6/8/2018 4:15	3.099	184.3	22.77	12.77	29.22	0
6/8/2018 4:30	3.316	194.9	9.72	12.86	29.22	0
6/8/2018 4:45	3.765	198.4	9.64	12.84	29.22	0
6/8/2018 5:00	3.289	176.3	12.18	12.58	29.23	0
6/8/2018 5:15	3.86	157.2	8.39	12.33	29.23	0
6/8/2018 5:30	2.961	158	7.716	12.45	29.23	0
6/8/2018 5:45	4.915	170.1	8.45	12.8	29.23	0
6/8/2018 6:00	4.4	169.2	9.03	12.88	29.24	0
6/8/2018 6:15	5.685	176.4	6.676	12.98	29.24	0
6/8/2018 6:30	4.912	168.9	9.41	12.93	29.24	0
6/8/2018 6:45	4.493	159.9	16.71	12.89	29.24	0
6/8/2018 7:00	3.952	142.4	11.06	12.8	29.22	0
6/8/2018 7:15	5.242	167.7	19.91	13.16	29.22	0
6/8/2018 7:30	4.181	156	21.7	13.19	29.22	0
6/8/2018 7:45	5.94	156.3	23.92	13.47	29.22	0
6/8/2018 8:00	5.653	138.8	15.38	13.55	29.24	0
6/8/2018 8:15	6.303	146.8	11.54	14.1	29.24	0
6/8/2018 8:30	7.796	137.2	11.49	14.39	29.24	0
6/8/2018 8:45	8.01	144.9	13.19	14.68	29.24	0
6/8/2018 9:00	9.11	142.6	13.57	15.25	29.22	0
6/8/2018 9:15	8.29	141.6	14.94	15.63	29.22	0
6/8/2018 9:30	8.24	142.5	15.93	15.47	29.22	0
6/8/2018 9:45	7.827	148.9	15.85	15.13	29.22	0
6/8/2018 10:00	7.596	149.1	10.93	15.31	29.23	0
6/8/2018 10:15	6.479	158.1	17.77	15.68	29.23	0
6/8/2018 10:30	5.821	154.8	14.04	15.89	29.23	0
6/8/2018 10:45	4.544	172.3	25.91	15.88	29.23	0
6/8/2018 11:00	4.86	206	14.19	15.6	29.2	0
6/8/2018 11:15	2.347	185.9	23.88	15.98	29.2	0
6/8/2018 11:30	2.385	245.2	24.77	15.86	29.2	0
6/8/2018 11:45	1.321	229.9	63.75	15.94	29.2	0
6/8/2018 12:00	5.429	253.7	10.04	15.64	29.22	0
6/8/2018 12:15	5.479	242.4	10.9	15.37	29.22	0
6/8/2018 12:30	5.049	243.7	14.78	15.03	29.22	0
6/8/2018 12:45	6.187	273.4	12.4	14.57	29.22	0.01
6/8/2018 13:00	5.528	296.3	9.37	14.24	29.2	0
6/8/2018 13:15	6.352	308.4	6.456	14.39	29.2	0.01
6/8/2018 13:30	5.607	297.7	14.29	14.29	29.2	0
6/8/2018 13:45	4.712	292	15.78	14.27	29.2	0
6/8/2018 14:00	5.779	280.6	8.67	13.99	29.19	0.01
6/8/2018 14:15	6.496	266	8.87	13.96	29.19	0
6/8/2018 14:30	5.931	271.5	8.13	13.88	29.19	0.01
6/8/2018 14:45	5.829	274	13.61	13.84	29.19	0
6/8/2018 15:00	6.177	276.3	14.51	13.66	29.18	0.01
6/8/2018 15:15	7.762	274.3	7.427	13.12	29.18	0
6/8/2018 15:30	6.689	285.9	12.34	12.9	29.18	0.01
6/8/2018 15:45	6.021	295.4	7.94	12.81	29.18	0
6/8/2018 16:00	2.664	295.4	5.23	12.96	29.17	0.01
6/8/2018 16:15	5.063	300.8	13.83	13.01	29.17	0
6/8/2018 16:30	5.833	303.9	8.82	12.89	29.17	0
6/8/2018 16:45	4.635	299.1	6.376	12.82	29.17	0.01
6/8/2018 17:00	3.659	311.5	9.21	12.82	29.16	0
6/8/2018 17:15	1.342	333.2	9.31	12.8	29.16	0
6/8/2018 17:30	2.507	238.6	51.46	12.84	29.16	0.01
6/8/2018 17:45	1.543	194.6	40.72	12.78	29.16	0.01
6/8/2018 18:00	3.27	87.2	14.46	12.84	29.13	0
6/8/2018 18:15	3.403	83.4	16.42	12.5	29.13	0
6/8/2018 18:30	1.969	148.5	68.34	12.82	29.13	0

6/8/2018 18:45	2.114	78.1	8.65	12.84	29.13	0
6/8/2018 19:00	1.18	45.96	27.14	12.63	29.13	0
6/8/2018 19:15	0.042	17.63	0.444	12.67	29.13	0
6/8/2018 19:30	1.192	13.94	0.926	12.75	29.13	0
6/8/2018 19:45	2.41	14.92	0.887	12.4	29.13	0
6/8/2018 20:00	1.578	10.39	4.285	12.22	29.12	0
6/8/2018 20:15	1.555	342.3	28.09	12.29	29.12	0
6/8/2018 20:30	3.294	284.2	11.22	12.33	29.12	0
6/8/2018 20:45	3.262	296	6.11	12.34	29.12	0
6/8/2018 21:00	3.996	312.8	5.993	12.25	29.11	0
6/8/2018 21:15	4.495	299.3	11.42	12.2	29.11	0
6/8/2018 21:30	4.183	272.8	20.04	11.95	29.11	0.01
6/8/2018 21:45	5.775	258	12.17	11.58	29.11	0
6/8/2018 22:00	8.8	250.5	9.53	11.08	29.12	0
6/8/2018 22:15	7.663	249.5	8.51	10.84	29.12	0.01
6/8/2018 22:30	6.126	228.2	14.41	10.81	29.12	0.03
6/8/2018 22:45	6.899	212.1	6.709	10.66	29.12	0.01
6/8/2018 23:00	8.84	200.6	14.02	10.55	29.14	0.01
6/8/2018 23:15	8.85	188.2	6.526	10.31	29.14	0
6/8/2018 23:30	8	183.8	7.05	10.19	29.14	0
6/8/2018 23:45	7.275	180.1	10.99	10.16	29.14	0.01
6/9/2018 0:00	7.658	165.1	11.23	10.05	29.16	0
6/9/2018 0:15	7.853	175.2	7.682	10.06	29.16	0
6/9/2018 0:30	6.727	165.9	10.7	9.98	29.16	0
6/9/2018 0:45	6.603	156.8	9.48	9.88	29.16	0
6/9/2018 1:00	5.868	147.3	6.809	9.76	29.17	0
6/9/2018 1:15	4.589	149.1	11.31	9.64	29.17	0
6/9/2018 1:30	5.783	155	10.63	9.59	29.17	0
6/9/2018 1:45	5.348	140.6	7.512	9.44	29.17	0
6/9/2018 2:00	5.232	160.2	15.12	9.42	29.15	0
6/9/2018 2:15	4.623	137	9.05	9.35	29.15	0
6/9/2018 2:30	4.011	115	13.89	9.32	29.15	0
6/9/2018 2:45	3.935	131.4	11.69	9.29	29.15	0
6/9/2018 3:00	5.71	141.9	5.562	9.25	29.15	0
6/9/2018 3:15	5.887	154.1	11.24	9.22	29.15	0
6/9/2018 3:30	5.628	165.1	9.36	9.13	29.15	0
6/9/2018 3:45	4.325	158.7	9.5	9.11	29.15	0
6/9/2018 4:00	4.649	153	16.03	9.15	29.14	0
6/9/2018 4:15	4.829	147.2	9.7	9.2	29.14	0
6/9/2018 4:30	7.055	165.8	17.95	9.26	29.14	0
6/9/2018 4:45	7.098	175.1	6.436	9.3	29.14	0
6/9/2018 5:00	6.463	173.4	5.717	9.24	29.16	0
6/9/2018 5:15	6.189	171.6	8.01	9.29	29.16	0
6/9/2018 5:30	7.376	178.5	6.704	9.34	29.16	0
6/9/2018 5:45	6.331	174.1	7.262	9.37	29.16	0
6/9/2018 6:00	4.914	170.9	8.88	9.34	29.17	0
6/9/2018 6:15	4.757	146.5	11.06	9.92	29.17	0
6/9/2018 6:30	5.499	146.3	12.26	10.17	29.17	0
6/9/2018 6:45	7.203	170.3	15.42	10.19	29.17	0
6/9/2018 7:00	5.982	163.8	13.91	10.25	29.16	0
6/9/2018 7:15	7.714	172	11.98	9.98	29.16	0
6/9/2018 7:30	7.29	184.4	12.06	10.07	29.16	0
6/9/2018 7:45	5.719	174.6	9.25	9.97	29.16	0
6/9/2018 8:00	4.451	194.5	11.01	10.02	29.17	0
6/9/2018 8:15	4.431	202.4	12.52	10.28	29.17	0
6/9/2018 8:30	6.296	205.3	11.92	10.5	29.17	0
6/9/2018 8:45	5.718	251.3	21.32	10.13	29.17	0
6/9/2018 9:00	4.501	248	11.87	10.36	29.16	0
6/9/2018 9:15	2.024	183.2	58.17	11.23	29.16	0

6/9/2018 9:30	2.233	321.8	75.03	11.61	29.16	0
6/9/2018 9:45	4.346	264.6	19.5	11.52	29.16	0
6/9/2018 10:00	7.312	216.9	10.61	11.29	29.16	0
6/9/2018 10:15	5.915	184.6	19.5	12.02	29.16	0
6/9/2018 10:30	5.277	200.2	24.44	12.57	29.16	0
6/9/2018 10:45	5.539	179.9	21.63	12.99	29.16	0
6/9/2018 11:00	5.416	213	28.57	12.9	29.13	0
6/9/2018 11:15	6.104	211.6	28.31	13.66	29.13	0
6/9/2018 11:30	8.34	256.3	16.95	13.52	29.13	0
6/9/2018 11:45	8.32	242.6	15.6	14.18	29.13	0
6/9/2018 12:00	7.624	280.9	20.51	14.36	29.14	0
6/9/2018 12:15	7.943	288.1	17.19	14.55	29.14	0
6/9/2018 12:30	9.13	275.2	16.86	14.72	29.14	0
6/9/2018 12:45	6.161	270.5	19.93	14.77	29.14	0
6/9/2018 13:00	8.84	270.5	15.43	14.99	29.12	0
6/9/2018 13:15	9.91	268.5	10.09	14.62	29.12	0
6/9/2018 13:30	9.22	269.2	10.45	14.57	29.12	0
6/9/2018 13:45	8.3	274.6	16.31	14.41	29.12	0
6/9/2018 14:00	13.12	303	12.71	14.4	29.14	0
6/9/2018 14:15	9.72	320.4	8.04	14.26	29.14	0
6/9/2018 14:30	8.65	332.5	14.6	14	29.14	0
6/9/2018 14:45	14.01	291.4	13.08	14.35	29.14	0
6/9/2018 15:00	12.68	306.6	9.07	13.61	29.13	0
6/9/2018 15:15	11.06	303.9	11.99	14.26	29.13	0
6/9/2018 15:30	13.35	296.2	12.54	14.39	29.13	0
6/9/2018 15:45	8.51	295.1	14.55	13.25	29.13	0
6/9/2018 16:00	2.874	271.7	26.97	14.46	29.16	0
6/9/2018 16:15	6.29	253.2	24.9	15	29.16	0
6/9/2018 16:30	9.02	239.6	33.74	15.17	29.16	0
6/9/2018 16:45	10.93	144.1	15.16	12.61	29.16	0
6/9/2018 17:00	9.75	127.5	10.75	11.65	29.17	0
6/9/2018 17:15	8.68	121.1	10.48	11.29	29.17	0
6/9/2018 17:30	8.6	126.2	10.13	10.57	29.17	0
6/9/2018 17:45	5.919	112	11.91	10.34	29.17	0
6/9/2018 18:00	3.075	133.4	47.98	10.13	29.18	0.03
6/9/2018 18:15	6.013	89.8	21.52	10	29.18	0.01
6/9/2018 18:30	5.505	105.2	10.75	9.95	29.18	0
6/9/2018 18:45	4.414	106.7	24.06	9.97	29.18	0
6/9/2018 19:00	4.055	71.11	14.88	9.71	29.16	0
6/9/2018 19:15	3.675	65.5	14.5	9.4	29.16	0
6/9/2018 19:30	2.862	58.6	19.39	9.47	29.16	0
6/9/2018 19:45	2.605	83.1	9.42	9.72	29.16	0
6/9/2018 20:00	1.816	51.8	56.63	9.71	29.16	0
6/9/2018 20:15	3.845	18.88	16.64	9.37	29.16	0
6/9/2018 20:30	2.673	343.7	43.21	9.09	29.16	0
6/9/2018 20:45	1.312	52.39	12.62	8.94	29.16	0
6/9/2018 21:00	1.938	56.53	15.08	9.09	29.19	0
6/9/2018 21:15	1.694	61.13	16.39	9.1	29.19	0
6/9/2018 21:30	2.332	118.5	23.16	9.36	29.19	0
6/9/2018 21:45	3.413	178.7	8.92	9.56	29.19	0
6/9/2018 22:00	5.443	179.2	11.44	9.18	29.18	0
6/9/2018 22:15	5.069	171.9	7.785	9.28	29.18	0
6/9/2018 22:30	4.787	166.5	10.41	9.26	29.18	0
6/9/2018 22:45	5.858	166.5	9.76	9.23	29.18	0
6/9/2018 23:00	5.675	156.7	11.76	8.9	29.18	0
6/9/2018 23:15	6.444	156	9.42	8.55	29.18	0
6/9/2018 23:30	7.642	163	9.64	8.35	29.18	0
6/9/2018 23:45	7.475	164.9	8.16	8.18	29.18	0
6/10/2018 0:00	4.828	155.7	9.12	7.688	29.21	0

6/10/2018 0:15	4.364	135.6	6.35	7.168	29.21	0
6/10/2018 0:30	5.622	136.3	6.201	7.317	29.21	0
6/10/2018 0:45	6.211	142.8	7.128	7.414	29.21	0
6/10/2018 1:00	8.12	151.5	6.599	7.485	29.2	0
6/10/2018 1:15	6.333	144.8	7.93	7.592	29.2	0
6/10/2018 1:30	5.065	149.1	8.85	7.635	29.2	0
6/10/2018 1:45	6.19	157.7	11.57	7.627	29.2	0
6/10/2018 2:00	7.749	167.5	7.599	8.07	29.21	0
6/10/2018 2:15	6.707	168.7	8.46	8.01	29.21	0
6/10/2018 2:30	4.908	159.5	11.42	7.934	29.21	0
6/10/2018 2:45	3.366	152.8	10.66	7.535	29.21	0
6/10/2018 3:00	4.386	150.9	10.04	7.213	29.23	0
6/10/2018 3:15	7.738	171.1	7.324	8.04	29.23	0
6/10/2018 3:30	7.773	178.4	8.84	8.2	29.23	0.01
6/10/2018 3:45	8.04	173.8	8.89	7.979	29.23	0.01
6/10/2018 4:00	6.783	175.6	10.02	7.882	29.22	0
6/10/2018 4:15	3.355	134	18.34	7.528	29.22	0
6/10/2018 4:30	5.066	130	6.503	7.408	29.22	0
6/10/2018 4:45	5.577	130.2	9.48	7.413	29.22	0
6/10/2018 5:00	6.655	149.4	8.43	7.4	29.22	0
6/10/2018 5:15	6.065	141.1	7.989	7.389	29.22	0
6/10/2018 5:30	6.334	138.5	6.812	7.292	29.22	0
6/10/2018 5:45	6.656	138.5	7.646	7.517	29.22	0
6/10/2018 6:00	7.78	147	7.431	7.715	29.25	0
6/10/2018 6:15	7.29	147.2	8.31	7.877	29.25	0
6/10/2018 6:30	7.237	150.1	9.66	8.38	29.25	0
6/10/2018 6:45	9.04	150.3	8.45	9.07	29.25	0
6/10/2018 7:00	8.53	164.1	14.75	9.42	29.22	0
6/10/2018 7:15	10.95	176	9.88	9.81	29.22	0
6/10/2018 7:30	11.11	176.7	13.57	10.55	29.22	0
6/10/2018 7:45	9.93	190	10.35	10.91	29.22	0
6/10/2018 8:00	10.59	193.7	10.62	11.05	29.25	0
6/10/2018 8:15	10.49	190.2	12.01	10.88	29.25	0
6/10/2018 8:30	10.05	204.1	14.69	10.86	29.25	0
6/10/2018 8:45	11.02	210.9	11.6	11	29.25	0
6/10/2018 9:00	8.79	220.5	12	11.25	29.25	0
6/10/2018 9:15	8.9	213.3	16.62	11.66	29.25	0
6/10/2018 9:30	11.23	202.1	11.39	11.7	29.25	0
6/10/2018 9:45	11.27	197.4	12.41	11.69	29.25	0
6/10/2018 10:00	9.8	203.2	13.36	11.97	29.23	0
6/10/2018 10:15	10.37	207.4	13.88	12.2	29.23	0
6/10/2018 10:30	11.66	219.2	18.93	12.37	29.23	0
6/10/2018 10:45	18.81	250	12.46	9.18	29.23	0.03
6/10/2018 11:00	6.04	273.5	33.53	8.23	29.25	0.02
6/10/2018 11:15	2.081	61.69	14.6	8.43	29.25	0
6/10/2018 11:30	2.671	81.3	34.27	9.23	29.25	0
6/10/2018 11:45	3.857	172.3	37.58	11.03	29.25	0
6/10/2018 12:00	5.331	196.4	31.02	11.61	29.25	0
6/10/2018 12:15	8.81	168.2	18.17	12.25	29.25	0
6/10/2018 12:30	9.57	183.1	14.42	12.64	29.25	0
6/10/2018 12:45	8.76	197	21.65	12.91	29.25	0
6/10/2018 13:00	7.027	182.4	21.6	13.18	29.23	0
6/10/2018 13:15	9.2	204	20.94	13.11	29.23	0
6/10/2018 13:30	19.61	230.2	8.99	11.16	29.23	0
6/10/2018 13:45	9.73	229.9	14.68	10.82	29.23	0.01
6/10/2018 14:00	4.853	211.2	25.01	12.18	29.22	0
6/10/2018 14:15	5.77	193.2	22.17	12.76	29.22	0
6/10/2018 14:30	8.04	164.7	19.81	13.05	29.22	0
6/10/2018 14:45	11.44	188.7	11.18	13.18	29.22	0

6/10/2018 15:00	11.37	190	17.57	13.72	29.23	0
6/10/2018 15:15	12.88	186.1	11.89	13.13	29.23	0
6/10/2018 15:30	14.66	194.1	13.98	13.54	29.23	0
6/10/2018 15:45	16.03	177.9	12.18	12.98	29.23	0
6/10/2018 16:00	13.38	172.4	14.44	11.78	29.25	0
6/10/2018 16:15	11.93	159.9	11.46	12.41	29.25	0
6/10/2018 16:30	11.67	165.2	16.21	11.95	29.25	0
6/10/2018 16:45	10.24	157.9	16.59	11.53	29.25	0
6/10/2018 17:00	11.13	179.8	11.54	11.49	29.24	0
6/10/2018 17:15	12.19	173	13.14	11.29	29.24	0
6/10/2018 17:30	11.36	181	11.03	10.84	29.24	0
6/10/2018 17:45	9.27	171.3	13.98	10.68	29.24	0
6/10/2018 18:00	8.44	152.2	8.9	10.36	29.27	0
6/10/2018 18:15	6.827	150.6	8.82	10.28	29.27	0
6/10/2018 18:30	5.57	143.8	11.63	10.37	29.27	0
6/10/2018 18:45	6.216	137.9	8.98	10.13	29.27	0
6/10/2018 19:00	4.423	125.1	12.33	10.18	29.27	0
6/10/2018 19:15	4.097	110.2	12.8	9.93	29.27	0
6/10/2018 19:30	4.837	82.9	15.41	9.37	29.27	0.01
6/10/2018 19:45	3.077	30.15	20.71	8.89	29.27	0
6/10/2018 20:00	3.782	27.79	12.64	8.65	29.27	0.01
6/10/2018 20:15	4.965	50.81	4.338	8.42	29.27	0
6/10/2018 20:30	4	61.12	10.56	8.31	29.27	0
6/10/2018 20:45	2.436	45.69	11.24	8.37	29.27	0
6/10/2018 21:00	1.733	32.33	8.46	8.63	29.26	0
6/10/2018 21:15	1.618	7.059	13.62	8.68	29.26	0.01
6/10/2018 21:30	0.619	66.25	30.13	8.74	29.26	0.03
6/10/2018 21:45	1.79	77.46	9.47	8.58	29.26	0
6/10/2018 22:00	2.024	94.8	8.36	8.33	29.27	0.01
6/10/2018 22:15	2.005	85.4	7.818	8.25	29.27	0
6/10/2018 22:30	1.196	80	8.48	8.19	29.27	0.01
6/10/2018 22:45	2.212	106.7	20.01	8.2	29.27	0
6/10/2018 23:00	2.549	114	44.49	8.18	29.27	0
6/10/2018 23:15	3.112	67.17	17.6	7.789	29.27	0.01
6/10/2018 23:30	2.129	83.9	3.39	7.858	29.27	0
6/10/2018 23:45	3.285	123	18.34	8.27	29.27	0
6/11/2018 0:00	2.286	147.5	22.23	8.67	29.27	0
6/11/2018 0:15	1.424	94.7	14.87	8.22	29.27	0
6/11/2018 0:30	2.279	105.9	12.06	8.18	29.27	0
6/11/2018 0:45	1.875	109.8	33.28	8.2	29.27	0
6/11/2018 1:00	1.05	73.45	14.49	7.984	29.28	0
6/11/2018 1:15	1.107	90	2.283	8.08	29.28	0
6/11/2018 1:30	1.228	78.12	9.12	7.92	29.28	0
6/11/2018 1:45	0.309	69.37	0.104	7.974	29.28	0
6/11/2018 2:00	0.296	69.41	0.104	8.07	29.3	0
6/11/2018 2:15	1.481	69.59	0.216	7.902	29.3	0
6/11/2018 2:30	0.361	70.7	1.251	8.06	29.3	0
6/11/2018 2:45	0.155	74.34	1.055	8.18	29.3	0
6/11/2018 3:00	0.711	86.5	0.05	8.16	29.29	0
6/11/2018 3:15	0.671	68.06	12.29	7.59	29.29	0
6/11/2018 3:30	1.13	48.14	0.417	7.302	29.29	0
6/11/2018 3:45	0.028	48.85	0.008	7.677	29.29	0
6/11/2018 4:00	0.029	48.87	0.016	7.614	29.32	0
6/11/2018 4:15	0.045	4.285	16.45	7.536	29.32	0
6/11/2018 4:30	0.363	27.66	0.142	7.555	29.32	0
6/11/2018 4:45	0.156	27.68	0.036	7.513	29.32	0
6/11/2018 5:00	0.236	27.68	0.033	7.571	29.35	0
6/11/2018 5:15	0.967	34.4	5.147	7.663	29.35	0
6/11/2018 5:30	0.85	45.87	5.377	8.39	29.35	0.01

6/11/2018 5:45	1.26	53.32	2.744	8.36	29.35	0
6/11/2018 6:00	1.008	35.32	4.22	8.21	29.33	0.01
6/11/2018 6:15	1.531	61.82	7.425	8.8	29.33	0
6/11/2018 6:30	2.062	44.96	8.42	8.57	29.33	0
6/11/2018 6:45	1.426	39.43	0.167	8.75	29.33	0
6/11/2018 7:00	0.75	19.55	23.55	9.65	29.37	0
6/11/2018 7:15	1.889	232.3	22.9	10.15	29.37	0
6/11/2018 7:30	1.871	213.3	26.23	10.02	29.37	0
6/11/2018 7:45	2.897	219.2	14.62	10.04	29.37	0
6/11/2018 8:00	3.75	211	23.56	10.58	29.38	0
6/11/2018 8:15	2.815	243.8	22.51	10.37	29.38	0
6/11/2018 8:30	3.359	304.4	20.26	10.43	29.38	0
6/11/2018 8:45	3.918	327.1	11.64	10.52	29.38	0
6/11/2018 9:00	3.366	308.2	14.84	11.03	29.38	0
6/11/2018 9:15	2.593	279.7	16.66	11.42	29.38	0
6/11/2018 9:30	3.062	300.2	21.67	11.94	29.38	0
6/11/2018 9:45	2.023	321.5	12.23	12.07	29.38	0
6/11/2018 10:00	2.377	313.6	29.39	12.18	29.4	0
6/11/2018 10:15	2.162	4.571	20.31	12.06	29.4	0
6/11/2018 10:30	2.853	14.11	15.93	12.42	29.4	0
6/11/2018 10:45	1.805	59.41	41.03	13.54	29.4	0
6/11/2018 11:00	2.136	318.9	52.82	14.42	29.4	0
6/11/2018 11:15	4.809	12.16	19.79	14.29	29.4	0
6/11/2018 11:30	3.921	351.3	22.98	13.88	29.4	0
6/11/2018 11:45	2.505	25.97	50.44	14.28	29.4	0
6/11/2018 12:00	4.538	332.3	48.14	15.29	29.4	0
6/11/2018 12:15	4.399	13.54	38.63	15.65	29.4	0
6/11/2018 12:30	4.752	285.4	29.75	15.61	29.4	0
6/11/2018 12:45	4.939	299.5	25.4	15.54	29.4	0
6/11/2018 13:00	4.301	307	38.77	16.32	29.41	0
6/11/2018 13:15	5.426	317.9	27.63	15.95	29.41	0
6/11/2018 13:30	4.899	273.4	26.27	16.51	29.41	0
6/11/2018 13:45	4.382	263.7	25.25	16.51	29.41	0
6/11/2018 14:00	5.732	316.3	27.99	16	29.39	0
6/11/2018 14:15	4.826	270.6	83.7	16.37	29.39	0
6/11/2018 14:30	6.35	294.5	20.75	16.85	29.39	0
6/11/2018 14:45	7.493	289.2	22.42	17.34	29.39	0
6/11/2018 15:00	6.131	283.4	24.43	17.33	29.4	0
6/11/2018 15:15	4.433	311.3	22.42	17.44	29.4	0
6/11/2018 15:30	5.486	297.1	23.25	17.75	29.4	0
6/11/2018 15:45	4.181	286	46.57	17.63	29.4	0
6/11/2018 16:00	6.491	32.45	25.75	17.78	29.37	0
6/11/2018 16:15	5.673	42.89	23.82	17.64	29.37	0
6/11/2018 16:30	8.13	11.44	22.85	17.8	29.37	0
6/11/2018 16:45	6.003	9.25	14.49	17.73	29.37	0
6/11/2018 17:00	8.28	7.441	14.33	17.68	29.37	0
6/11/2018 17:15	8.37	17.95	9.32	17.46	29.37	0
6/11/2018 17:30	7.522	23.82	12.16	17.41	29.37	0
6/11/2018 17:45	7.762	19.28	9.9	17.18	29.37	0
6/11/2018 18:00	7.034	14.76	8.59	17.28	29.38	0
6/11/2018 18:15	7.276	7.332	16.45	17.15	29.38	0
6/11/2018 18:30	6.575	352.9	14.1	17.19	29.38	0
6/11/2018 18:45	7.068	343.8	10.04	17.09	29.38	0
6/11/2018 19:00	5.839	345.8	11.31	16.9	29.38	0
6/11/2018 19:15	4.527	336.7	10.49	16.72	29.38	0
6/11/2018 19:30	5.291	344.8	7.165	16.25	29.38	0
6/11/2018 19:45	5.242	2.515	13.41	15.36	29.38	0
6/11/2018 20:00	3.776	37.99	10.83	14.59	29.38	0
6/11/2018 20:15	2.472	43.64	2.331	14.63	29.38	0

6/11/2018 20:30	3.832	46.06	7.945	13.62	29.38	0
6/11/2018 20:45	3.73	38.93	3.438	13.28	29.38	0
6/11/2018 21:00	4.06	40.61	2.885	13.24	29.37	0
6/11/2018 21:15	3.334	40.02	5.21	13.06	29.37	0
6/11/2018 21:30	4.971	32.55	2.098	12.77	29.37	0
6/11/2018 21:45	5.01	35.55	5.712	12.32	29.37	0
6/11/2018 22:00	4.661	33.23	4.492	12.07	29.38	0
6/11/2018 22:15	4.832	41.36	8.58	11.57	29.38	0
6/11/2018 22:30	3.935	27.83	4.846	11.4	29.38	0
6/11/2018 22:45	3.939	32.53	6.316	11.46	29.38	0
6/11/2018 23:00	4.225	37.65	5.527	10.89	29.38	0
6/11/2018 23:15	3.199	50.77	10.52	10.56	29.38	0
6/11/2018 23:30	3.066	70.35	14.36	11.27	29.38	0
6/11/2018 23:45	1.845	78.1	3.138	11.38	29.38	0
6/12/2018 0:00	2.098	48.38	7.603	10.54	29.37	0
6/12/2018 0:15	2.197	21.44	4.64	10.22	29.37	0
6/12/2018 0:30	2.404	14.7	3.198	10.34	29.37	0
6/12/2018 0:45	3.624	26.43	4.068	9.99	29.37	0
6/12/2018 1:00	4.235	28.66	5.498	9.82	29.34	0
6/12/2018 1:15	4.627	16.13	6.359	9.53	29.34	0
6/12/2018 1:30	4.756	9.71	6.05	8.91	29.34	0
6/12/2018 1:45	3.37	29.62	8.51	8.65	29.34	0
6/12/2018 2:00	5.404	21.53	9.69	8.52	29.35	0
6/12/2018 2:15	6.153	11	5.929	7.952	29.35	0
6/12/2018 2:30	4.73	21.18	6.889	7.741	29.35	0
6/12/2018 2:45	5.496	11.68	6.305	7.387	29.35	0
6/12/2018 3:00	4.767	7.895	5.66	7.686	29.33	0
6/12/2018 3:15	3.872	22.39	8.81	7.618	29.33	0
6/12/2018 3:30	4.486	26.88	5.798	7.401	29.33	0
6/12/2018 3:45	2.53	35.02	2.904	8.03	29.33	0
6/12/2018 4:00	1.051	42.12	1.643	9	29.3	0
6/12/2018 4:15	0.589	17.82	42.14	9.18	29.3	0
6/12/2018 4:30	1.522	320.3	17.21	8.52	29.3	0
6/12/2018 4:45	3.89	322	10.34	7.455	29.3	0
6/12/2018 5:00	3.851	340.1	11.33	7.668	29.29	0
6/12/2018 5:15	2.081	0.515	2.938	8.9	29.29	0
6/12/2018 5:30	1.363	1.791	2.682	9.74	29.29	0
6/12/2018 5:45	0.101	6.318	0.013	10.61	29.29	0
6/12/2018 6:00	0.088	6.319	0.016	11.75	29.3	0
6/12/2018 6:15	1.3	2.762	1.977	10.7	29.3	0
6/12/2018 6:30	1.879	353	23.78	10.75	29.3	0
6/12/2018 6:45	3.082	344.6	21.08	10.71	29.3	0
6/12/2018 7:00	2.99	343	16.53	11.66	29.27	0
6/12/2018 7:15	3.772	308.2	12.45	12.36	29.27	0
6/12/2018 7:30	3.944	315.2	19.26	12.88	29.27	0
6/12/2018 7:45	3.29	340	26	13.29	29.27	0
6/12/2018 8:00	2.066	95.2	101.9	13.8	29.27	0
6/12/2018 8:15	2.788	163.5	42.39	14.21	29.27	0
6/12/2018 8:30	1.689	61.95	29.97	15.4	29.27	0
6/12/2018 8:45	4.454	41.76	16.11	14.97	29.27	0
6/12/2018 9:00	5.065	24.49	11.7	14.97	29.26	0
6/12/2018 9:15	5.046	25.18	9.29	15.69	29.26	0
6/12/2018 9:30	4.156	13.69	26.07	16.44	29.26	0
6/12/2018 9:45	5.684	18.32	13.84	16.95	29.26	0
6/12/2018 10:00	7.532	19.25	11.24	17.47	29.24	0
6/12/2018 10:15	8.84	21.39	11.39	17.97	29.24	0
6/12/2018 10:30	10.1	17.54	11.89	18.12	29.24	0
6/12/2018 10:45	5.945	345.3	33.73	18.53	29.24	0
6/12/2018 11:00	5.796	324.9	33.48	18.79	29.21	0

6/12/2018 11:15	9.13	15.74	18.61	18.68	29.21	0
6/12/2018 11:30	7.806	19.89	10.95	18.66	29.21	0
6/12/2018 11:45	6.982	10.68	17.86	19.26	29.21	0
6/12/2018 12:00	9.05	19.72	13.17	19.08	29.2	0
6/12/2018 12:15	8.94	17.59	11.76	18.95	29.2	0
6/12/2018 12:30	7.301	354.8	24.23	19.43	29.2	0
6/12/2018 12:45	8.64	342.4	9.72	19.48	29.2	0
6/12/2018 13:00	7.035	354.4	20	19.67	29.2	0
6/12/2018 13:15	7.92	345.6	16.73	19.3	29.2	0
6/12/2018 13:30	8.05	349.3	16.93	18.95	29.2	0
6/12/2018 13:45	8.03	356.5	17.2	18.86	29.2	0
6/12/2018 14:00	6.133	329.3	18.72	19.22	29.2	0
6/12/2018 14:15	2.972	345.9	50	19.5	29.2	0
6/12/2018 14:30	4.475	28.71	16.48	19.49	29.2	0
6/12/2018 14:45	2.765	352.8	33.09	19.73	29.2	0
6/12/2018 15:00	4.944	349.8	62.49	19.41	29.17	0
6/12/2018 15:15	2.87	15.05	36.05	19.76	29.17	0
6/12/2018 15:30	5.295	259.5	37.14	19.54	29.17	0
6/12/2018 15:45	5.229	267	15.09	19.17	29.17	0
6/12/2018 16:00	1.293	290.9	37.33	19.39	29.15	0
6/12/2018 16:15	5.044	270	13.9	19.21	29.15	0
6/12/2018 16:30	9.87	264.1	6.302	18.26	29.15	0
6/12/2018 16:45	11.71	279	12.93	17.77	29.15	0
6/12/2018 17:00	9.42	300.8	6.913	17.49	29.12	0
6/12/2018 17:15	5.643	301.8	16.29	17.26	29.12	0
6/12/2018 17:30	2.319	285.8	19.95	17.54	29.12	0
6/12/2018 17:45	1.682	56.61	46.02	17.63	29.12	0
6/12/2018 18:00	1.667	70.35	58	17.46	29.12	0
6/12/2018 18:15	2.093	264	24.51	17.18	29.12	0
6/12/2018 18:30	1.117	283.5	8.72	16.89	29.12	0
6/12/2018 18:45	5.792	264.9	6.262	16.55	29.12	0
6/12/2018 19:00	3.777	260.7	5.181	16.3	29.11	0
6/12/2018 19:15	2.438	196.4	39.13	16.36	29.11	0
6/12/2018 19:30	1.89	77.58	42.12	15.99	29.11	0
6/12/2018 19:45	1.692	52.1	8.83	15.67	29.11	0
6/12/2018 20:00	1.587	42.19	4.666	15.83	29.12	0
6/12/2018 20:15	0.932	140.5	63.73	15.98	29.12	0
6/12/2018 20:30	2.1	219.2	10.65	15.87	29.12	0
6/12/2018 20:45	2.655	240.3	11.05	15.76	29.12	0
6/12/2018 21:00	1.959	249.8	1.256	15.75	29.11	0
6/12/2018 21:15	1.513	4.222	43.16	15.12	29.11	0
6/12/2018 21:30	0.693	19.05	0.034	15.11	29.11	0
6/12/2018 21:45	0.299	19.09	0.096	15.35	29.11	0
6/12/2018 22:00	0.85	25.74	9.42	15.55	29.1	0
6/12/2018 22:15	1.062	83.4	31.11	15.11	29.1	0
6/12/2018 22:30	4.017	173.8	15.03	14.86	29.1	0
6/12/2018 22:45	3.901	159.3	8.86	14.78	29.1	0
6/12/2018 23:00	3.509	145.1	9.93	14.53	29.08	0
6/12/2018 23:15	4.547	153.3	5.938	14.32	29.08	0
6/12/2018 23:30	4.5	152.5	5.669	14.15	29.08	0
6/12/2018 23:45	4.96	179	10.41	13.78	29.08	0
6/13/2018 0:00	5.891	184.7	11.22	13.38	29.1	0
6/13/2018 0:15	5.085	167.2	14.68	13.57	29.1	0
6/13/2018 0:30	4.464	198.2	9.74	13.68	29.1	0
6/13/2018 0:45	3.722	160	14.39	13.21	29.1	0
6/13/2018 1:00	2.431	127.5	21.95	12.58	29.08	0
6/13/2018 1:15	3.914	159.6	17.27	12.96	29.08	0
6/13/2018 1:30	5.597	182	12.58	13.12	29.08	0
6/13/2018 1:45	5.261	199.3	13.05	13.04	29.08	0

6/13/2018 2:00	5.369	186.3	19.62	12.85	29.07	0
6/13/2018 2:15	4.124	152	16.64	12.26	29.07	0
6/13/2018 2:30	2.637	126.2	19.63	12.2	29.07	0
6/13/2018 2:45	4.583	115.4	6.926	11.75	29.07	0
6/13/2018 3:00	5.741	123.4	6.744	12.05	29.06	0
6/13/2018 3:15	7.136	148.5	10.35	12.01	29.06	0
6/13/2018 3:30	5.206	137.7	12.5	11.92	29.06	0
6/13/2018 3:45	3.978	126.4	8.05	12.01	29.06	0.01
6/13/2018 4:00	3.849	120.9	8.69	12.02	29.08	0
6/13/2018 4:15	5.422	150.2	16.22	12.2	29.08	0
6/13/2018 4:30	4.608	167.4	18.08	12.53	29.08	0
6/13/2018 4:45	0.053	157.1	19.8	12.43	29.08	0
6/13/2018 5:00	0	0	0	12.69	29.06	0
6/13/2018 5:15	1.281	106.5	64.95	12	29.06	0
6/13/2018 5:30	1.727	203.2	20.31	11.99	29.06	0
6/13/2018 5:45	1.755	77.28	36.6	10.97	29.06	0
6/13/2018 6:00	1.715	86.3	21.11	11.37	29.05	0.01
6/13/2018 6:15	3.71	69.98	10.31	10.97	29.05	0
6/13/2018 6:30	2.223	120.9	36.46	11.43	29.05	0
6/13/2018 6:45	0.878	106.5	39.46	12.08	29.05	0
6/13/2018 7:00	3.048	71.63	12.48	12.26	29.08	0
6/13/2018 7:15	2.188	75.31	31.82	12.51	29.08	0
6/13/2018 7:30	4.577	196.6	13.99	13.02	29.08	0
6/13/2018 7:45	6.119	195.7	11.81	12.66	29.08	0
6/13/2018 8:00	6.453	170.4	14.96	12.98	29.08	0
6/13/2018 8:15	5.518	168.8	13.91	13.03	29.08	0
6/13/2018 8:30	11.12	188.4	14.49	13.31	29.08	0
6/13/2018 8:45	11.95	177.7	11.75	13.43	29.08	0
6/13/2018 9:00	13.26	179.3	10.49	13.71	29.09	0
6/13/2018 9:15	12.92	187.7	10.74	14.21	29.09	0
6/13/2018 9:30	13.28	201.5	9.62	14.58	29.09	0
6/13/2018 9:45	14.52	209.4	10.6	14.61	29.09	0
6/13/2018 10:00	10.27	202.3	34.16	14.77	29.09	0
6/13/2018 10:15	11.3	194.7	13.39	14.63	29.09	0
6/13/2018 10:30	14.16	190.9	11.59	14.56	29.09	0
6/13/2018 10:45	13.07	196.5	10.31	14.52	29.09	0
6/13/2018 11:00	11.39	196.2	11.8	15.22	29.1	0
6/13/2018 11:15	14.56	201	12.72	14.96	29.1	0
6/13/2018 11:30	15.08	200.6	10.67	14.45	29.1	0
6/13/2018 11:45	9.91	225.5	16.59	13.61	29.1	0
6/13/2018 12:00	9.83	192.6	11.97	14.72	29.13	0
6/13/2018 12:15	11.88	185.9	16.38	15.15	29.13	0
6/13/2018 12:30	11.69	224.6	13.18	15.48	29.13	0
6/13/2018 12:45	15.93	210.9	13.16	16.11	29.13	0
6/13/2018 13:00	15.88	207.8	13.74	16.02	29.11	0
6/13/2018 13:15	13.75	201.9	19.59	16.81	29.11	0
6/13/2018 13:30	11.51	221.1	18.87	16.31	29.11	0
6/13/2018 13:45	14.28	220.5	9.56	16.13	29.11	0
6/13/2018 14:00	14.54	225.2	15.18	17.13	29.12	0
6/13/2018 14:15	15.07	236.6	13.27	16.95	29.12	0
6/13/2018 14:30	15.89	231.9	10.71	16.98	29.12	0
6/13/2018 14:45	15.06	242.7	16.04	17.1	29.12	0
6/13/2018 15:00	17.31	245.7	8.93	17.21	29.12	0
6/13/2018 15:15	17.84	237.5	15.15	16.96	29.12	0
6/13/2018 15:30	14.56	245.3	16.11	17.29	29.12	0
6/13/2018 15:45	15.78	247.2	12.06	16.6	29.12	0
6/13/2018 16:00	13.03	244.3	15.5	16.34	29.13	0
6/13/2018 16:15	13.76	247	11.24	16.11	29.13	0
6/13/2018 16:30	15.07	243.8	11.34	16.37	29.13	0

6/13/2018 16:45	15.34	229.5	11.87	16.37	29.13	0
6/13/2018 17:00	14.61	234.8	11.04	16.3	29.13	0
6/13/2018 17:15	13.53	238.7	12.84	15.92	29.13	0
6/13/2018 17:30	13.19	253.7	10.61	15.47	29.13	0
6/13/2018 17:45	13.79	244.8	11.17	15.43	29.13	0
6/13/2018 18:00	11.11	245.9	16.32	15.11	29.16	0
6/13/2018 18:15	5.915	300.7	74.33	14.38	29.16	0
6/13/2018 18:30	8.33	26.87	8.79	12.61	29.16	0
6/13/2018 18:45	5.908	31.56	9.64	12.43	29.16	0
6/13/2018 19:00	5.351	39.16	11.23	12.34	29.17	0
6/13/2018 19:15	5.62	45.76	10.95	12.16	29.17	0
6/13/2018 19:30	7.393	28.84	11.47	12.01	29.17	0
6/13/2018 19:45	6.911	37.95	11.2	11.87	29.17	0
6/13/2018 20:00	5.393	42.23	17.02	11.87	29.18	0
6/13/2018 20:15	5.501	25	24.12	11.93	29.18	0
6/13/2018 20:30	7.062	21.84	11.08	11.72	29.18	0
6/13/2018 20:45	3.979	18.93	19.68	11.79	29.18	0
6/13/2018 21:00	3.589	34.14	17.47	11.8	29.2	0
6/13/2018 21:15	2.656	15.99	25.51	11.27	29.2	0.01
6/13/2018 21:30	3.563	5.537	9.37	10.89	29.2	0.02
6/13/2018 21:45	1.554	13.75	14.59	10.74	29.2	0.02
6/13/2018 22:00	3.991	34.43	5.552	10.52	29.19	0.01
6/13/2018 22:15	2.352	46.47	12.03	10.44	29.19	0
6/13/2018 22:30	3.53	48.11	4.726	10.46	29.19	0
6/13/2018 22:45	1.545	54.42	5.493	10.49	29.19	0.01
6/13/2018 23:00	0.521	54.13	0.944	10.53	29.2	0
6/13/2018 23:15	2.475	194.6	41.53	10.97	29.2	0
6/13/2018 23:30	1.346	156.2	67.74	11.15	29.2	0
6/13/2018 23:45	3.013	178.8	42.72	10.94	29.2	0
6/14/2018 0:00	7.434	198.4	9.44	11.53	29.21	0
6/14/2018 0:15	6.548	202.2	13.23	11.41	29.21	0
6/14/2018 0:30	6.072	192.2	13.84	11.34	29.21	0
6/14/2018 0:45	4.847	188.1	7.496	11.29	29.21	0
6/14/2018 1:00	3.306	161.1	17.36	10.9	29.23	0
6/14/2018 1:15	4.802	177.6	8.99	11	29.23	0
6/14/2018 1:30	6.234	178.9	8.75	11.08	29.23	0
6/14/2018 1:45	5.654	180	7.897	11.07	29.23	0
6/14/2018 2:00	4.626	173.9	10.75	10.98	29.23	0
6/14/2018 2:15	5.137	165.1	13.58	10.86	29.23	0
6/14/2018 2:30	5.357	170.9	15.61	10.9	29.23	0
6/14/2018 2:45	2.372	63.29	55.96	10.29	29.23	0
6/14/2018 3:00	1.39	64.21	20.19	9.98	29.23	0
6/14/2018 3:15	2.32	82.5	10.02	9.98	29.23	0
6/14/2018 3:30	1.936	107.8	5.564	10.04	29.23	0
6/14/2018 3:45	2.644	125.7	8.88	10.23	29.23	0
6/14/2018 4:00	3.04	127.7	7.514	10.29	29.24	0
6/14/2018 4:15	2.001	124.5	14.64	10.28	29.24	0
6/14/2018 4:30	0.276	103.1	3.337	10.27	29.24	0
6/14/2018 4:45	1.107	71.9	7.461	10.16	29.24	0
6/14/2018 5:00	0.182	76.44	0.052	10.11	29.25	0
6/14/2018 5:15	0.366	75.77	0.242	10.19	29.25	0
6/14/2018 5:30	2.305	92.1	8.07	10.15	29.25	0
6/14/2018 5:45	0.6	85.2	14.5	10.33	29.25	0
6/14/2018 6:00	2.503	67.76	15.64	10.23	29.26	0
6/14/2018 6:15	3.456	84.9	9.16	10.44	29.26	0
6/14/2018 6:30	4.541	91.4	10.14	10.69	29.26	0
6/14/2018 6:45	5.119	96.4	9.2	10.97	29.26	0
6/14/2018 7:00	4.85	96.8	10.26	11.13	29.25	0
6/14/2018 7:15	5.897	99.1	12.34	11.32	29.25	0

6/14/2018 7:30	4.605	98.7	14.89	11.5	29.25	0
6/14/2018 7:45	4.953	96.1	9.19	11.48	29.25	0
6/14/2018 8:00	5.199	114	14.68	11.81	29.29	0
6/14/2018 8:15	4.704	123.7	17.02	12.06	29.29	0
6/14/2018 8:30	3.571	143.3	44.88	13.12	29.29	0
6/14/2018 8:45	5.758	109.2	18.58	13.28	29.29	0
6/14/2018 9:00	4.816	70.47	33.44	13.54	29.29	0
6/14/2018 9:15	4.351	80.2	34.03	13.7	29.29	0
6/14/2018 9:30	5.247	101.4	44.36	14.3	29.29	0
6/14/2018 9:45	6.037	118.3	28.18	14.69	29.29	0
6/14/2018 10:00	5.178	106.4	24.11	14.18	29.27	0
6/14/2018 10:15	5.606	90.7	18.14	14.57	29.27	0
6/14/2018 10:30	4.299	151	42.37	15.09	29.27	0
6/14/2018 10:45	3.544	176	42.98	14.89	29.27	0
6/14/2018 11:00	5.324	151	41.53	15.76	29.27	0
6/14/2018 11:15	6.752	217.5	37.12	14.93	29.27	0
6/14/2018 11:30	7.012	242.2	7.808	14.3	29.27	0
6/14/2018 11:45	5.033	230	10.87	14.24	29.27	0
6/14/2018 12:00	4.423	211.5	14.89	14.13	29.29	0
6/14/2018 12:15	4.519	234.7	10.59	14.32	29.29	0
6/14/2018 12:30	2.629	223.7	29.88	14.56	29.29	0
6/14/2018 12:45	2.65	245.8	69.19	14.85	29.29	0
6/14/2018 13:00	2.372	137.5	45.82	15.13	29.27	0
6/14/2018 13:15	2.997	204.6	36.37	15.16	29.27	0
6/14/2018 13:30	2.365	226.4	28.83	15.18	29.27	0
6/14/2018 13:45	2.51	231.1	47.77	15.39	29.27	0
6/14/2018 14:00	2.038	157.1	87.7	15.79	29.27	0
6/14/2018 14:15	1.758	232.7	34.03	15.9	29.27	0
6/14/2018 14:30	2.628	12.9	46.39	16.1	29.27	0
6/14/2018 14:45	2.493	160.5	48.58	16.31	29.27	0
6/14/2018 15:00	3.291	37.47	30.18	16.26	29.26	0
6/14/2018 15:15	2.889	83.8	30.01	16.61	29.26	0
6/14/2018 15:30	3.747	51.22	42.33	16.81	29.26	0
6/14/2018 15:45	3.565	62.37	32.65	16.76	29.26	0
6/14/2018 16:00	3.293	33.55	13.04	16.34	29.23	0
6/14/2018 16:15	3.735	16.12	10.64	16.21	29.23	0
6/14/2018 16:30	3.937	32.57	16.57	16.33	29.23	0
6/14/2018 16:45	2.83	27.13	21.52	16.36	29.23	0
6/14/2018 17:00	3.582	42.69	14.83	16.34	29.22	0
6/14/2018 17:15	3.712	35.3	9.13	16.08	29.22	0
6/14/2018 17:30	4.596	26.32	8.71	16.02	29.22	0
6/14/2018 17:45	4.611	16.54	6.484	15.95	29.22	0
6/14/2018 18:00	2.737	24.98	3.861	16.06	29.2	0
6/14/2018 18:15	3.158	28.19	13.27	16.48	29.2	0
6/14/2018 18:30	3.513	20.01	16.17	16.74	29.2	0
6/14/2018 18:45	3.028	312.3	25.78	16.78	29.2	0
6/14/2018 19:00	2.161	315.5	20.2	16.91	29.2	0
6/14/2018 19:15	3.47	357.7	13.4	15.59	29.2	0
6/14/2018 19:30	3.655	332.2	7.208	15.13	29.2	0
6/14/2018 19:45	3.427	332.9	4.74	15.05	29.2	0
6/14/2018 20:00	3.075	14.6	23.57	14.43	29.21	0
6/14/2018 20:15	2.208	19.12	3.512	13.87	29.21	0
6/14/2018 20:30	2.168	19.27	2.024	13.81	29.21	0
6/14/2018 20:45	1.296	27.23	2.029	13.42	29.21	0
6/14/2018 21:00	0.327	28.23	0.321	13.23	29.21	0
6/14/2018 21:15	1.181	27.49	0.241	13.16	29.21	0
6/14/2018 21:30	1.793	27.67	0.181	12.73	29.21	0
6/14/2018 21:45	1.733	35.31	9.75	11.85	29.21	0
6/14/2018 22:00	2.063	59.66	10.77	11.74	29.21	0

6/14/2018 22:15	5.226	16.41	10.72	10.85	29.21	0
6/14/2018 22:30	5.656	4.733	10.63	11.05	29.21	0
6/14/2018 22:45	7.23	9.31	7.109	10.73	29.21	0
6/14/2018 23:00	8.34	16.85	8.84	10.81	29.19	0
6/14/2018 23:15	10.17	17.81	10.77	11.25	29.19	0
6/14/2018 23:30	8.42	26.19	10.09	11.1	29.19	0
6/14/2018 23:45	7.273	26.37	9.79	10.93	29.19	0
6/15/2018 0:00	8.38	32.41	7.875	10.92	29.19	0
6/15/2018 0:15	8.82	38.13	10.64	11.14	29.19	0
6/15/2018 0:30	7.449	34.92	11.63	10.87	29.19	0
6/15/2018 0:45	6.481	29.65	8.73	10.54	29.19	0
6/15/2018 1:00	7.234	30.77	6.77	10.26	29.18	0
6/15/2018 1:15	7.802	22.58	5.701	10.38	29.18	0
6/15/2018 1:30	5.486	8.51	11.41	10.49	29.18	0
6/15/2018 1:45	4.57	342.2	19.51	10.95	29.18	0
6/15/2018 2:00	3.807	355.3	21.48	11.26	29.18	0
6/15/2018 2:15	3.714	4.625	15.43	10.91	29.18	0
6/15/2018 2:30	4.448	3.158	13.42	10.37	29.18	0
6/15/2018 2:45	3.025	9.37	15.77	10.34	29.18	0
6/15/2018 3:00	2.962	8.64	16.63	10.39	29.18	0
6/15/2018 3:15	4.151	10.94	9.71	10.47	29.18	0
6/15/2018 3:30	4.528	25.28	9.19	10.41	29.18	0
6/15/2018 3:45	5.775	24.38	8.95	10.57	29.18	0
6/15/2018 4:00	4.684	34.07	22	10.66	29.17	0
6/15/2018 4:15	1.785	358.4	34.85	10.8	29.17	0
6/15/2018 4:30	1.885	85	28.37	10.47	29.17	0
6/15/2018 4:45	3.346	18.79	40.75	10.63	29.17	0
6/15/2018 5:00	2.561	46.71	24.68	10.8	29.15	0
6/15/2018 5:15	1.627	31.49	45.72	10.78	29.15	0
6/15/2018 5:30	1.437	34.23	29.21	10.71	29.15	0
6/15/2018 5:45	0.744	19.63	47.3	10.95	29.15	0
6/15/2018 6:00	0.842	43.14	17.94	11.23	29.15	0
6/15/2018 6:15	2.846	346.6	63.2	11.52	29.15	0
6/15/2018 6:30	4.982	18.19	26.37	11.81	29.15	0
6/15/2018 6:45	9.46	12.8	11.85	11.63	29.15	0
6/15/2018 7:00	8.13	18.45	11.17	11.72	29.18	0
6/15/2018 7:15	9.18	25.44	8.55	11.89	29.18	0
6/15/2018 7:30	7.839	19.84	14.43	12.07	29.18	0
6/15/2018 7:45	5.624	16.96	17.7	12.67	29.18	0
6/15/2018 8:00	6.118	36.44	16.09	13.38	29.16	0
6/15/2018 8:15	7.85	35.57	12.94	13.4	29.16	0
6/15/2018 8:30	7.148	37.34	12.28	13.58	29.16	0
6/15/2018 8:45	8.62	40.3	10.29	14.09	29.16	0
6/15/2018 9:00	7.403	40.22	18.33	14.2	29.18	0
6/15/2018 9:15	8.58	33.48	14.43	14.29	29.18	0
6/15/2018 9:30	6.669	13.6	38.05	14.85	29.18	0
6/15/2018 9:45	7.03	325.7	28.5	14.82	29.18	0
6/15/2018 10:00	8.02	350.2	23.92	14.67	29.16	0
6/15/2018 10:15	8.1	30.93	31.12	15.36	29.16	0
6/15/2018 10:30	5.774	29.5	27.16	15.8	29.16	0
6/15/2018 10:45	7.181	352.3	24.58	15.88	29.16	0
6/15/2018 11:00	8.59	349.4	27.23	16.34	29.16	0
6/15/2018 11:15	7.857	19.35	16.27	16.1	29.16	0
6/15/2018 11:30	8.58	349.1	30.35	16.82	29.16	0
6/15/2018 11:45	8.54	9.11	18.88	16.78	29.16	0
6/15/2018 12:00	7.093	1.76	21.18	17.09	29.14	0
6/15/2018 12:15	6.981	3.923	32.14	17.59	29.14	0
6/15/2018 12:30	7.146	350.7	37.28	17.76	29.14	0
6/15/2018 12:45	7.635	22.27	26.14	18.11	29.14	0

6/15/2018 13:00	8.48	358.7	27.21	18.74	29.16	0
6/15/2018 13:15	6.974	11.83	18.12	18.14	29.16	0
6/15/2018 13:30	6.887	320.3	22.49	18.07	29.16	0
6/15/2018 13:45	7.816	1.446	35.3	18.26	29.16	0
6/15/2018 14:00	7.819	4.966	17.1	17.96	29.14	0
6/15/2018 14:15	6.892	28.26	13.43	18.01	29.14	0
6/15/2018 14:30	8.49	36.44	15.1	18.49	29.14	0
6/15/2018 14:45	7.163	28.42	21.07	18.99	29.14	0
6/15/2018 15:00	9.48	44.61	16.93	19.11	29.12	0
6/15/2018 15:15	8.83	15.06	17.67	18.41	29.12	0
6/15/2018 15:30	5.306	33.85	29.38	19.11	29.12	0
6/15/2018 15:45	8.55	353.6	21.13	19.67	29.12	0
6/15/2018 16:00	7.436	341.8	16.3	19.26	29.1	0
6/15/2018 16:15	7.301	358.5	15.69	19.24	29.1	0
6/15/2018 16:30	6.705	6.315	14.94	19.37	29.1	0
6/15/2018 16:45	6.832	26.9	21.41	19.84	29.1	0
6/15/2018 17:00	4.65	7.692	29.19	20.32	29.09	0
6/15/2018 17:15	9.9	16.33	10.92	20.03	29.09	0
6/15/2018 17:30	8.52	18.85	13.32	19.76	29.09	0
6/15/2018 17:45	8.66	30.1	10.98	19.53	29.09	0
6/15/2018 18:00	8.53	24.77	10.01	18.92	29.11	0
6/15/2018 18:15	7.785	19.06	11.88	19.07	29.11	0
6/15/2018 18:30	9.22	8.73	15.99	19.14	29.11	0
6/15/2018 18:45	8.24	353.1	14.73	18.96	29.11	0
6/15/2018 19:00	8.52	343.3	8.74	18.69	29.1	0
6/15/2018 19:15	7.044	347.8	10.41	18.12	29.1	0
6/15/2018 19:30	7.405	354.6	13.45	17.52	29.1	0
6/15/2018 19:45	6.508	345.5	12.73	17.11	29.1	0
6/15/2018 20:00	5.292	338.3	9.66	16.39	29.1	0
6/15/2018 20:15	6.445	312.2	4.163	15.82	29.1	0
6/15/2018 20:30	7.137	307.2	4.974	15.44	29.1	0
6/15/2018 20:45	5.477	325	8.57	15.17	29.1	0
6/15/2018 21:00	4.345	12.38	11.11	14.92	29.1	0
6/15/2018 21:15	5.738	17.22	7.325	14.37	29.1	0
6/15/2018 21:30	6.387	10.29	4.04	14.14	29.1	0
6/15/2018 21:45	5.698	12.89	7.512	13.85	29.1	0
6/15/2018 22:00	4.166	9.28	10.61	13.9	29.09	0
6/15/2018 22:15	2.417	16.18	18.06	13.76	29.09	0
6/15/2018 22:30	3.383	2.192	22.23	13.88	29.09	0
6/15/2018 22:45	6.045	14.94	10.19	14.04	29.09	0
6/15/2018 23:00	3.749	25.26	24.35	13.58	29.12	0
6/15/2018 23:15	4.186	20.63	18.41	13.59	29.12	0
6/15/2018 23:30	6.827	35.68	15.93	13.62	29.12	0
6/15/2018 23:45	6.108	37.73	12.66	13.32	29.12	0
6/16/2018 0:00	2.728	50.6	40.18	13.04	29.09	0
6/16/2018 0:15	4.019	56.77	24.22	12.99	29.09	0
6/16/2018 0:30	6.533	39.17	15.87	13.35	29.09	0
6/16/2018 0:45	6.102	38.88	13.69	13.19	29.09	0
6/16/2018 1:00	3.808	63.62	21.93	12.81	29.11	0
6/16/2018 1:15	3.219	52.51	17.97	12.23	29.11	0
6/16/2018 1:30	5.026	17.76	13.48	11.54	29.11	0
6/16/2018 1:45	7.284	10.78	10	11.73	29.11	0
6/16/2018 2:00	9.57	18.88	8.22	11.87	29.12	0
6/16/2018 2:15	8.47	21.64	8.98	12.24	29.12	0
6/16/2018 2:30	3.963	47.24	68.67	11.52	29.12	0
6/16/2018 2:45	3.592	233.4	30.46	11.82	29.12	0
6/16/2018 3:00	2.502	276.9	41.02	11.88	29.11	0
6/16/2018 3:15	2.794	303.8	40.92	12.81	29.11	0
6/16/2018 3:30	1.468	48.99	27.91	12.25	29.11	0

6/16/2018 3:45	1.385	319.2	24.07	11.18	29.11	0
6/16/2018 4:00	0.472	3.476	11.82	11.38	29.11	0
6/16/2018 4:15	1.482	42.52	32.38	10.88	29.11	0
6/16/2018 4:30	1.907	73.06	20.64	10.7	29.11	0
6/16/2018 4:45	2.268	72.26	27.71	10.49	29.11	0
6/16/2018 5:00	0.633	102.5	1.814	11.22	29.13	0
6/16/2018 5:15	1.257	134.6	18.74	11.04	29.13	0
6/16/2018 5:30	1.562	132	0.779	11.78	29.13	0
6/16/2018 5:45	1.044	70.83	62.47	12.05	29.13	0
6/16/2018 6:00	0.834	328.8	19.77	12.58	29.13	0
6/16/2018 6:15	1.834	16.09	9.89	13.02	29.13	0
6/16/2018 6:30	1.323	37.34	9.31	12.41	29.13	0
6/16/2018 6:45	2.175	35.49	25.91	12.38	29.13	0
6/16/2018 7:00	2.666	23.28	31.9	12.6	29.16	0
6/16/2018 7:15	5.829	28.86	15.47	12.38	29.16	0
6/16/2018 7:30	8.25	18.11	8.1	12.64	29.16	0
6/16/2018 7:45	6.869	15.89	6.317	12.72	29.16	0
6/16/2018 8:00	4.517	11.32	14.46	12.62	29.19	0
6/16/2018 8:15	4.134	29.36	8.11	12.64	29.19	0
6/16/2018 8:30	4.964	13.42	16.47	12.63	29.19	0
6/16/2018 8:45	4.607	7.775	22.7	12.83	29.19	0
6/16/2018 9:00	4.259	35.36	21.08	12.94	29.19	0
6/16/2018 9:15	2.466	32.79	16.31	13.07	29.19	0
6/16/2018 9:30	1.984	26.34	18.15	13.15	29.19	0
6/16/2018 9:45	2.256	44.28	9.21	13.39	29.19	0
6/16/2018 10:00	2.894	12.18	31.74	13.45	29.2	0
6/16/2018 10:15	2.938	37.05	12.07	13.64	29.2	0
6/16/2018 10:30	1.201	19.72	53.82	13.97	29.2	0
6/16/2018 10:45	1.3	310.8	35.07	14.71	29.2	0
6/16/2018 11:00	3.769	345.6	33.19	14.83	29.19	0
6/16/2018 11:15	3.55	14.69	35.62	15.18	29.19	0
6/16/2018 11:30	3.703	9.59	50.03	15.82	29.19	0
6/16/2018 11:45	5.48	30.94	19.53	15.9	29.19	0
6/16/2018 12:00	5.697	36.64	20.54	16.56	29.19	0
6/16/2018 12:15	5.783	19.49	26.89	17.01	29.19	0
6/16/2018 12:30	6.747	28.92	19.5	17.53	29.19	0
6/16/2018 12:45	8.19	33.71	21.95	18.34	29.19	0
6/16/2018 13:00	9.01	26.05	13.74	18.4	29.15	0
6/16/2018 13:15	7.341	34.72	18.52	19.15	29.15	0
6/16/2018 13:30	8.02	23.41	21.49	19.72	29.15	0
6/16/2018 13:45	9.3	30.08	14.88	19.84	29.15	0
6/16/2018 14:00	9.37	37.77	12.85	20.25	29.15	0
6/16/2018 14:15	9.61	44.53	17	20.3	29.15	0
6/16/2018 14:30	7.148	49.95	14.06	20	29.15	0
6/16/2018 14:45	4.148	20.72	23.49	19.99	29.15	0
6/16/2018 15:00	4.089	31.91	21.09	20.72	29.16	0
6/16/2018 15:15	5.433	33.05	24.05	21.33	29.16	0
6/16/2018 15:30	5.478	78.52	28.4	21.69	29.16	0
6/16/2018 15:45	2.235	17.8	68.24	22.45	29.16	0
6/16/2018 16:00	7.255	335.5	31.56	22.51	29.15	0
6/16/2018 16:15	5.31	338.6	28.29	22.75	29.15	0
6/16/2018 16:30	6.311	3.576	38.83	23.04	29.15	0
6/16/2018 16:45	5.121	9.38	29.11	22.87	29.15	0
6/16/2018 17:00	5.127	338.3	17.71	23.27	29.14	0
6/16/2018 17:15	6.481	356.3	23.58	22.58	29.14	0
6/16/2018 17:30	5.198	12.38	11.68	22.54	29.14	0
6/16/2018 17:45	6.986	10.41	11.73	22.1	29.14	0
6/16/2018 18:00	6.189	21.01	13.63	21.1	29.13	0
6/16/2018 18:15	5.091	21.83	21.63	21.04	29.13	0

6/16/2018 18:30	2.897	54.66	20.7	21.53	29.13	0
6/16/2018 18:45	2.305	5.004	16.03	21.76	29.13	0
6/16/2018 19:00	5.416	11.59	7.373	21.21	29.15	0
6/16/2018 19:15	6.93	1.09	11.08	20.96	29.15	0
6/16/2018 19:30	5.876	9.66	7.502	20.74	29.15	0
6/16/2018 19:45	4.648	11.55	8.13	20.51	29.15	0
6/16/2018 20:00	2.399	14.41	11.19	20.45	29.15	0
6/16/2018 20:15	3.274	18.23	18.69	20.01	29.15	0
6/16/2018 20:30	3.784	34.72	31.34	19.56	29.15	0
6/16/2018 20:45	3.846	71.83	20.17	19.28	29.15	0
6/16/2018 21:00	3.221	69.16	13.44	18.95	29.15	0
6/16/2018 21:15	3.704	88.6	9.29	18.1	29.15	0
6/16/2018 21:30	2.468	46.83	25.59	18.12	29.15	0
6/16/2018 21:45	0.745	18.81	2.674	17.99	29.15	0
6/16/2018 22:00	0.468	3.478	20.65	17.78	29.17	0
6/16/2018 22:15	6.145	138.3	17.05	16.77	29.17	0
6/16/2018 22:30	7.143	115.6	11.8	17.24	29.17	0
6/16/2018 22:45	2.968	85.1	31.58	16.31	29.17	0
6/16/2018 23:00	2.136	215	38.95	16.27	29.15	0
6/16/2018 23:15	2.477	239.3	7.303	16.2	29.15	0
6/16/2018 23:30	1.274	335.3	3.524	16.19	29.15	0
6/16/2018 23:45	0.341	353.5	22.39	16.23	29.15	0
6/17/2018 0:00	4.224	135.5	10.1	15.45	29.17	0
6/17/2018 0:15	4.947	136.5	13.32	16.07	29.17	0
6/17/2018 0:30	3.825	118	13.05	16.37	29.17	0
6/17/2018 0:45	3.822	132.9	11.8	16.5	29.17	0
6/17/2018 1:00	3.846	101.3	15.41	16.72	29.17	0
6/17/2018 1:15	1.912	83.7	4.718	16.55	29.17	0
6/17/2018 1:30	3.418	154.2	9.38	17.06	29.17	0
6/17/2018 1:45	3.407	152.3	7.381	16.93	29.17	0
6/17/2018 2:00	2.569	149.7	10.26	16.26	29.16	0
6/17/2018 2:15	2.48	17.55	30.77	15.25	29.16	0
6/17/2018 2:30	3.351	360	4.927	15.19	29.16	0
6/17/2018 2:45	2.65	351.2	2.764	15.09	29.16	0
6/17/2018 3:00	2.615	35.4	61.83	14.8	29.14	0
6/17/2018 3:15	3.42	98	35.76	13.78	29.14	0
6/17/2018 3:30	1.436	100.3	13.87	15.48	29.14	0
6/17/2018 3:45	2.941	4.533	41.54	14.93	29.14	0
6/17/2018 4:00	3.224	355.6	12.63	14.78	29.14	0
6/17/2018 4:15	3.045	299.9	20.28	15.31	29.14	0
6/17/2018 4:30	2.687	235.6	53.75	14.51	29.14	0
6/17/2018 4:45	1.296	170.2	30.94	13.39	29.14	0
6/17/2018 5:00	2.165	45.53	12.54	13.81	29.14	0
6/17/2018 5:15	2.294	31.11	8.12	13.94	29.14	0
6/17/2018 5:30	1.484	30.41	0.43	14.66	29.14	0
6/17/2018 5:45	0.521	30.63	0.368	16.08	29.14	0
6/17/2018 6:00	0.832	32.87	6.58	16.89	29.15	0
6/17/2018 6:15	2.424	224.6	11.33	15.68	29.15	0
6/17/2018 6:30	2.519	210.1	6.823	15.75	29.15	0
6/17/2018 6:45	1.614	95.2	34.2	17.31	29.15	0
6/17/2018 7:00	2.42	58.42	19.9	17.66	29.17	0
6/17/2018 7:15	2.607	67.73	15.35	17.88	29.17	0
6/17/2018 7:30	1.896	97.6	28.5	18.57	29.17	0
6/17/2018 7:45	1.741	121	47.65	19.32	29.17	0
6/17/2018 8:00	2.594	186.4	30.59	19.01	29.14	0
6/17/2018 8:15	1.72	134	74.81	19.81	29.14	0
6/17/2018 8:30	1.615	335	75.48	20.53	29.14	0
6/17/2018 8:45	4.277	34.67	18.25	21	29.14	0
6/17/2018 9:00	4.15	20.56	28.63	21.28	29.15	0

6/17/2018 9:15	4.866	359.8	29.01	21.8	29.15	0
6/17/2018 9:30	5.229	349.5	34.81	22.34	29.15	0
6/17/2018 9:45	5.122	352.3	24.55	22.55	29.15	0
6/17/2018 10:00	5.118	354.4	31.48	22.77	29.14	0
6/17/2018 10:15	5.715	31.17	18.99	23.03	29.14	0
6/17/2018 10:30	6.182	32.88	13.84	23.39	29.14	0
6/17/2018 10:45	9.61	324.3	29.24	24.29	29.14	0
6/17/2018 11:00	8.18	305.2	16.91	24.34	29.11	0
6/17/2018 11:15	9.91	303.8	12.94	24.71	29.11	0
6/17/2018 11:30	9.72	307.5	10.19	25.04	29.11	0
6/17/2018 11:45	9.91	306.7	13.87	25.07	29.11	0
6/17/2018 12:00	8.64	315	13.68	25.48	29.11	0
6/17/2018 12:15	7.947	316	13.39	25.95	29.11	0
6/17/2018 12:30	7.515	331	17.46	26.01	29.11	0
6/17/2018 12:45	6.394	340	30.92	26.65	29.11	0
6/17/2018 13:00	7.748	321.6	15.48	26.94	29.09	0
6/17/2018 13:15	7.68	337.6	24.58	27.07	29.09	0
6/17/2018 13:30	9.75	321.9	19.37	27.31	29.09	0
6/17/2018 13:45	9.83	314.1	11.14	27.47	29.09	0
6/17/2018 14:00	8.66	318	13.64	27.81	29.06	0
6/17/2018 14:15	7.606	319.9	19.92	28.07	29.06	0
6/17/2018 14:30	7.155	12.28	22.61	28.08	29.06	0
6/17/2018 14:45	7.918	23.96	20.45	28.13	29.06	0
6/17/2018 15:00	7.591	345.6	40.89	28.72	29.05	0
6/17/2018 15:15	9.37	329.9	17.27	28.58	29.05	0
6/17/2018 15:30	9.77	336.3	15.45	28.38	29.05	0
6/17/2018 15:45	10.27	356.7	16.95	28.26	29.05	0
6/17/2018 16:00	9.13	358.6	16.65	28.22	29.04	0
6/17/2018 16:15	8.74	342.6	16.91	28.44	29.04	0
6/17/2018 16:30	8.9	358.7	20.91	28.32	29.04	0
6/17/2018 16:45	8.87	12.04	13.96	28.12	29.04	0
6/17/2018 17:00	10.88	343.1	19.66	28.21	29.04	0
6/17/2018 17:15	10.9	350.6	18.91	28.1	29.04	0
6/17/2018 17:30	14.31	5.481	11.56	27.81	29.04	0
6/17/2018 17:45	10.69	355.5	16.58	27.76	29.04	0
6/17/2018 18:00	8.33	349.9	15.97	27.91	29.04	0
6/17/2018 18:15	5.947	354.7	18	27.56	29.04	0
6/17/2018 18:30	2.919	343.4	19.17	27.76	29.04	0
6/17/2018 18:45	1.827	359.4	9.91	27.59	29.04	0
6/17/2018 19:00	2.443	326	29.02	27.35	29.07	0
6/17/2018 19:15	5.557	301.4	5.451	26.21	29.07	0
6/17/2018 19:30	6.321	315.7	8.22	25.62	29.07	0
6/17/2018 19:45	6.095	323.4	5.564	25.02	29.07	0
6/17/2018 20:00	3.181	320.5	5.391	24.98	29.07	0
6/17/2018 20:15	1.026	309.7	8.44	25.52	29.07	0
6/17/2018 20:30	0.509	66.38	11.86	24.52	29.07	0
6/17/2018 20:45	0.592	64.21	2.78	24.07	29.07	0
6/17/2018 21:00	0.847	358.1	18.23	23.02	29.07	0
6/17/2018 21:15	1.777	73.89	21.68	22.56	29.07	0
6/17/2018 21:30	3.915	173	26.16	23.05	29.07	0
6/17/2018 21:45	5.138	197	2.422	22.36	29.07	0
6/17/2018 22:00	2.96	235.5	68.05	21.56	29.08	0
6/17/2018 22:15	1.443	252	69.96	20.95	29.08	0
6/17/2018 22:30	0.193	241.4	12.75	20.21	29.08	0
6/17/2018 22:45	0.179	2.152	13.2	20.15	29.08	0
6/17/2018 23:00	0.791	37.68	28.87	20.04	29.1	0
6/17/2018 23:15	3.919	166.1	9.56	19.33	29.1	0
6/17/2018 23:30	3.629	141.6	6.95	19.89	29.1	0
6/17/2018 23:45	2.816	135.3	6.575	19.27	29.1	0

6/18/2018 0:00	0.722	133.7	23.89	18.64	29.1	0
6/18/2018 0:15	0.784	73.87	27.35	18.69	29.1	0
6/18/2018 0:30	1.367	154.9	66.59	19.36	29.1	0
6/18/2018 0:45	6.083	206.7	15.73	18	29.1	0
6/18/2018 1:00	4.701	175.7	7.801	17.7	29.1	0
6/18/2018 1:15	2.334	178.1	11.67	17.86	29.1	0
6/18/2018 1:30	2.655	207.1	62.15	17.3	29.1	0
6/18/2018 1:45	2.506	117.9	30.42	17.93	29.1	0
6/18/2018 2:00	2.718	111.5	19.86	17.48	29.08	0
6/18/2018 2:15	1.18	159.5	49.07	17.96	29.08	0
6/18/2018 2:30	4	187.1	8.71	16.89	29.08	0
6/18/2018 2:45	3.486	174	11.91	17.1	29.08	0
6/18/2018 3:00	3.324	183.3	6.45	16.78	29.12	0
6/18/2018 3:15	3.173	174.6	4.711	16.86	29.12	0
6/18/2018 3:30	6.355	181.4	6.747	16	29.12	0
6/18/2018 3:45	7.415	197.8	6.161	15.87	29.12	0
6/18/2018 4:00	6.954	189.3	9.3	15.81	29.12	0
6/18/2018 4:15	6.358	179.2	7.902	15.67	29.12	0
6/18/2018 4:30	4.653	167.6	9.08	15.85	29.12	0
6/18/2018 4:45	3.982	141.3	10.17	15.48	29.12	0
6/18/2018 5:00	2.845	125.1	7.905	15.81	29.12	0
6/18/2018 5:15	4.154	130.7	7.262	16.47	29.12	0
6/18/2018 5:30	3.919	141.1	8.13	17.26	29.12	0
6/18/2018 5:45	2.411	150.5	6.925	17.75	29.12	0
6/18/2018 6:00	2.16	112.3	17.91	18.85	29.14	0
6/18/2018 6:15	1.953	116.6	10.25	19.44	29.14	0
6/18/2018 6:30	2.682	139.5	11.79	19.72	29.14	0
6/18/2018 6:45	2.525	159.2	10.09	20.38	29.14	0
6/18/2018 7:00	1.418	203.7	40.38	20.6	29.14	0
6/18/2018 7:15	1.216	200.6	44.55	21	29.14	0
6/18/2018 7:30	2.087	198	24.51	20.78	29.14	0
6/18/2018 7:45	2.791	218.8	12.66	20.84	29.14	0
6/18/2018 8:00	3.84	216.4	10.21	20.62	29.14	0
6/18/2018 8:15	3.867	203.9	19.61	20.67	29.14	0
6/18/2018 8:30	3.008	218.7	19.8	21.33	29.14	0
6/18/2018 8:45	3.324	206	25.35	21.8	29.14	0
6/18/2018 9:00	3.399	238.9	42.73	21.9	29.16	0
6/18/2018 9:15	4.185	267.3	15.47	22.17	29.16	0
6/18/2018 9:30	2.847	241.2	42	22.86	29.16	0
6/18/2018 9:45	3.954	232.3	33.19	23.11	29.16	0
6/18/2018 10:00	4.434	227.6	24.67	23.41	29.16	0
6/18/2018 10:15	3.678	213.5	30.13	23.89	29.16	0
6/18/2018 10:30	4.506	254	39.76	24.43	29.16	0
6/18/2018 10:45	4.599	255.9	31.77	24.8	29.16	0
6/18/2018 11:00	5.693	245.4	25.92	24.95	29.15	0
6/18/2018 11:15	5.034	240.3	24.04	25.02	29.15	0
6/18/2018 11:30	4.757	228.9	28.31	25.48	29.15	0
6/18/2018 11:45	2.759	238.2	37.32	26	29.15	0
6/18/2018 12:00	5.678	194.6	20.72	26.47	29.13	0
6/18/2018 12:15	6.135	262.1	28.05	26.92	29.13	0
6/18/2018 12:30	6.247	269.9	28.38	27.13	29.13	0
6/18/2018 12:45	6.405	274.4	31.67	27.77	29.13	0
6/18/2018 13:00	8.35	249.6	19.13	27.42	29.15	0
6/18/2018 13:15	6.27	256.8	23.74	27.35	29.15	0
6/18/2018 13:30	8.92	266.8	28.89	27.97	29.15	0
6/18/2018 13:45	10.12	298.3	16.17	28.08	29.15	0
6/18/2018 14:00	11.85	301.5	9.57	27.75	29.15	0
6/18/2018 14:15	11.89	296.5	10.56	27.33	29.15	0
6/18/2018 14:30	8.05	317.2	9.91	26.91	29.15	0

6/18/2018 14:45	5.632	311	15.06	26.97	29.15	0
6/18/2018 15:00	4.574	318.8	10.5	26.96	29.15	0
6/18/2018 15:15	5.81	286.5	14.48	27.48	29.15	0
6/18/2018 15:30	6.734	273.9	15.45	27.54	29.15	0
6/18/2018 15:45	5.437	276	10.93	27.61	29.15	0
6/18/2018 16:00	4.337	290	16.26	27.54	29.13	0
6/18/2018 16:15	3.34	276.4	18.68	27.63	29.13	0
6/18/2018 16:30	3.924	268.6	30.52	27.57	29.13	0
6/18/2018 16:45	2.654	262.9	24.65	27.31	29.13	0
6/18/2018 17:00	3.89	258.1	12.88	27.45	29.16	0
6/18/2018 17:15	3.809	227.1	16.02	27.32	29.16	0
6/18/2018 17:30	3.196	189.4	20.42	27.14	29.16	0
6/18/2018 17:45	1.597	156.8	28.61	27.13	29.16	0
6/18/2018 18:00	2.739	125	7.707	26.46	29.15	0
6/18/2018 18:15	4.084	112.8	6.179	26.08	29.15	0
6/18/2018 18:30	3.81	111.5	10.38	25.86	29.15	0
6/18/2018 18:45	3.431	129.4	8.08	25.68	29.15	0
6/18/2018 19:00	3.146	217.4	14.94	26.22	29.17	0
6/18/2018 19:15	7.052	253	11.37	25.44	29.17	0
6/18/2018 19:30	9.32	255.4	5.785	24.58	29.17	0
6/18/2018 19:45	8.59	255.3	5.595	23.98	29.17	0
6/18/2018 20:00	7.057	250.7	8.99	23.44	29.18	0
6/18/2018 20:15	5.739	234.3	12.77	22.76	29.18	0
6/18/2018 20:30	3.894	264	15.15	22.08	29.18	0
6/18/2018 20:45	3.902	269.9	10.45	21.59	29.18	0
6/18/2018 21:00	3.236	269.9	6.47	21.15	29.19	0
6/18/2018 21:15	3.322	244.3	9.9	21.06	29.19	0
6/18/2018 21:30	4.455	234.7	2.819	20.86	29.19	0
6/18/2018 21:45	4.793	222.8	12.79	20.32	29.19	0
6/18/2018 22:00	4.901	187.6	8.2	19.59	29.22	0
6/18/2018 22:15	7.288	188.8	5.277	19.29	29.22	0
6/18/2018 22:30	7.06	190.6	5.015	19.07	29.22	0
6/18/2018 22:45	6.303	185.3	6.041	18.59	29.22	0
6/18/2018 23:00	4.39	195.1	3.232	18.61	29.21	0
6/18/2018 23:15	2.812	179.3	14.66	18.4	29.21	0
6/18/2018 23:30	2.461	172.4	8.96	18.11	29.21	0
6/18/2018 23:45	3.869	193.2	4.603	17.9	29.21	0
6/19/2018 0:00	4.732	198.1	4.081	17.77	29.22	0
6/19/2018 0:15	6.132	200.4	2.543	17.5	29.22	0
6/19/2018 0:30	6.055	206.5	5.161	17.1	29.22	0
6/19/2018 0:45	5.293	200.4	5.963	16.63	29.22	0
6/19/2018 1:00	6.061	216.7	3.972	16.4	29.24	0
6/19/2018 1:15	6.384	217.1	2.007	15.98	29.24	0
6/19/2018 1:30	5.979	219.1	3.638	15.61	29.24	0
6/19/2018 1:45	5.764	224.6	5.289	15.47	29.24	0
6/19/2018 2:00	4.547	233.7	2.783	15.57	29.23	0
6/19/2018 2:15	3.954	218.9	6.702	15.54	29.23	0
6/19/2018 2:30	3.55	210.1	5.54	15.25	29.23	0
6/19/2018 2:45	3.34	170.3	20.08	14.87	29.23	0
6/19/2018 3:00	5.111	174.9	14.76	14.86	29.23	0
6/19/2018 3:15	3.834	165.2	12.07	14.65	29.23	0
6/19/2018 3:30	3.456	170.4	9.56	14.63	29.23	0
6/19/2018 3:45	2.872	162.8	14.14	14.22	29.23	0
6/19/2018 4:00	4.619	184.9	6.937	14.03	29.24	0
6/19/2018 4:15	5.319	196.8	9.13	14.25	29.24	0
6/19/2018 4:30	3.939	208.3	7.857	14.34	29.24	0
6/19/2018 4:45	3.488	219.4	7.815	14.21	29.24	0
6/19/2018 5:00	2.477	215.7	4.721	14.26	29.26	0
6/19/2018 5:15	2.115	220.8	4.234	14.4	29.26	0

6/19/2018 5:30	1.493	212.6	10.64	14.57	29.26	0
6/19/2018 5:45	0.325	232.9	5.469	15.39	29.26	0
6/19/2018 6:00	0.718	28.26	38.47	16.25	29.27	0
6/19/2018 6:15	1.336	128.1	60.74	16.12	29.27	0
6/19/2018 6:30	2.74	229.3	9.55	15.41	29.27	0
6/19/2018 6:45	2.37	209.7	21.15	15.69	29.27	0
6/19/2018 7:00	2.603	224.8	17.94	15.87	29.27	0
6/19/2018 7:15	2.246	225.4	22.93	16.25	29.27	0
6/19/2018 7:30	2.944	240.6	22.22	16.56	29.27	0
6/19/2018 7:45	2.364	247	32.25	16.95	29.27	0
6/19/2018 8:00	3.496	226.5	20.32	17.39	29.27	0
6/19/2018 8:15	2.402	265.3	41.18	17.92	29.27	0
6/19/2018 8:30	2.713	217.9	32.86	18.16	29.27	0
6/19/2018 8:45	2.606	227.7	32.97	18.76	29.27	0
6/19/2018 9:00	3.617	235.7	21.19	18.93	29.26	0
6/19/2018 9:15	3.377	236.2	34.69	19.56	29.26	0
6/19/2018 9:30	4.247	265.5	23.73	20.13	29.26	0
6/19/2018 9:45	4.486	270.2	25.97	20.82	29.26	0
6/19/2018 10:00	4.036	292.9	18.09	20.94	29.25	0
6/19/2018 10:15	4.318	279.1	23.55	21.43	29.25	0
6/19/2018 10:30	2.588	284.8	30.97	22.11	29.25	0
6/19/2018 10:45	3.779	253	44.03	22.67	29.25	0
6/19/2018 11:00	4.06	243.5	35.78	23.65	29.25	0
6/19/2018 11:15	4.599	275.2	39.48	23.31	29.25	0
6/19/2018 11:30	4.78	270	32.27	23.79	29.25	0
6/19/2018 11:45	4.413	242.6	37.47	23.92	29.25	0
6/19/2018 12:00	6.075	254.4	25.67	24.29	29.22	0
6/19/2018 12:15	5.668	252.4	17.07	24.57	29.22	0
6/19/2018 12:30	4.783	248.5	32.5	24.94	29.22	0
6/19/2018 12:45	5.214	299.2	15.53	25.31	29.22	0
6/19/2018 13:00	5.634	295	20.23	25.32	29.21	0
6/19/2018 13:15	5.998	266.1	24.25	25.64	29.21	0
6/19/2018 13:30	6.447	257.5	21.51	26.04	29.21	0
6/19/2018 13:45	7.978	282.7	16.01	25.96	29.21	0
6/19/2018 14:00	8.02	274.8	28.84	26.23	29.22	0
6/19/2018 14:15	7.91	264.6	19.93	26.64	29.22	0
6/19/2018 14:30	8.56	261.1	14.29	26.51	29.22	0
6/19/2018 14:45	8.11	261.9	16.7	26.92	29.22	0
6/19/2018 15:00	7.825	267.2	22.08	26.8	29.23	0
6/19/2018 15:15	7.145	281.3	19.19	27.22	29.23	0
6/19/2018 15:30	7.133	265.7	19.13	27.2	29.23	0
6/19/2018 15:45	6.643	285	19.44	27.41	29.23	0
6/19/2018 16:00	6.186	291.3	26.53	27.67	29.2	0
6/19/2018 16:15	5.229	262.3	33.8	27.38	29.2	0
6/19/2018 16:30	5.26	298.5	27.62	28.03	29.2	0
6/19/2018 16:45	6.192	279.9	20.6	27.91	29.2	0
6/19/2018 17:00	5.753	273.6	21.12	27.86	29.18	0
6/19/2018 17:15	6.306	248.4	20.37	27.84	29.18	0
6/19/2018 17:30	5.358	281.5	12.7	27.85	29.18	0
6/19/2018 17:45	3.364	12.57	57.15	28.03	29.18	0
6/19/2018 18:00	4.612	329.9	13.62	27.95	29.17	0
6/19/2018 18:15	3.957	321.8	9.83	27.95	29.17	0
6/19/2018 18:30	4.572	356.3	17.71	27.67	29.17	0
6/19/2018 18:45	5.095	351.8	12.98	27.31	29.17	0
6/19/2018 19:00	5.391	344	19.16	27	29.19	0
6/19/2018 19:15	4.976	301.7	8.14	26.32	29.19	0
6/19/2018 19:30	5.792	308.9	5.69	26.04	29.19	0
6/19/2018 19:45	5.929	287.7	10.13	25.72	29.19	0
6/19/2018 20:00	5.527	285.7	6.845	25.09	29.2	0

6/19/2018 20:15	3.311	311.5	7.66	24.33	29.2	0
6/19/2018 20:30	3.402	315	10.23	24.54	29.2	0
6/19/2018 20:45	2.927	337.6	5.895	23.85	29.2	0
6/19/2018 21:00	0.513	333.7	0.034	23.32	29.2	0
6/19/2018 21:15	1.568	20.66	3.684	22.62	29.2	0
6/19/2018 21:30	0.996	21.34	0.191	22.53	29.2	0
6/19/2018 21:45	3.126	28.19	8.41	22.67	29.2	0
6/19/2018 22:00	3.538	61.79	9.38	22.11	29.2	0
6/19/2018 22:15	3.55	39.98	5.313	21.69	29.2	0
6/19/2018 22:30	2.399	37.26	24.45	21.63	29.2	0
6/19/2018 22:45	2.146	83.2	12.29	21	29.2	0
6/19/2018 23:00	3.247	70.25	11.73	21.61	29.19	0
6/19/2018 23:15	2.786	57.31	6.652	21.72	29.19	0
6/19/2018 23:30	2.206	87.7	32.1	21.71	29.19	0
6/19/2018 23:45	1.894	77.34	15.23	22.06	29.19	0
6/20/2018 0:00	1.143	51.36	2.317	21.29	29.17	0
6/20/2018 0:15	0.941	42.89	9.32	21.59	29.17	0
6/20/2018 0:30	1.494	29.22	0.957	21.6	29.17	0
6/20/2018 0:45	2.266	36.75	8.65	20.77	29.17	0
6/20/2018 1:00	3.438	39.48	8.02	20.5	29.17	0
6/20/2018 1:15	3.585	34.47	6.007	20.28	29.17	0
6/20/2018 1:30	2.487	38.2	1.482	20.03	29.17	0
6/20/2018 1:45	2.841	34.55	5.4	20.23	29.17	0
6/20/2018 2:00	2.7	56.74	11.2	20.03	29.18	0
6/20/2018 2:15	1.212	53.9	9.01	20.3	29.18	0
6/20/2018 2:30	1.262	263.5	48.26	20.54	29.18	0
6/20/2018 2:45	1.614	271.9	9.55	20.01	29.18	0
6/20/2018 3:00	2.335	255.8	5.897	20.08	29.16	0
6/20/2018 3:15	2.04	231.6	16.23	20.36	29.16	0
6/20/2018 3:30	0.005	206	0.004	20.04	29.16	0
6/20/2018 3:45	0.262	206.4	0.067	19.63	29.16	0
6/20/2018 4:00	2.443	211.9	8	19.88	29.16	0
6/20/2018 4:15	1.613	26.38	83.3	19.26	29.16	0
6/20/2018 4:30	0.636	20.43	0.136	18.88	29.16	0
6/20/2018 4:45	0.51	20.4	0.121	19.25	29.16	0
6/20/2018 5:00	0.482	20.43	0.098	19.91	29.16	0
6/20/2018 5:15	0.412	20.28	0.274	19.77	29.16	0
6/20/2018 5:30	0.621	18.88	0.09	19.65	29.16	0
6/20/2018 5:45	0.492	25.95	18.72	19.37	29.16	0
6/20/2018 6:00	0.351	45.58	0.231	20.21	29.15	0
6/20/2018 6:15	1.051	43.86	57.96	20.38	29.15	0
6/20/2018 6:30	3.141	227	10.27	19.92	29.15	0
6/20/2018 6:45	2.964	212.6	16.67	20.13	29.15	0
6/20/2018 7:00	2.793	190.7	17.37	20.78	29.16	0
6/20/2018 7:15	3.293	207.4	14.62	21.08	29.16	0
6/20/2018 7:30	3.07	221.5	19.9	21.4	29.16	0
6/20/2018 7:45	1.702	236.9	26.02	22.16	29.16	0
6/20/2018 8:00	2.371	231.9	40.5	22.93	29.17	0
6/20/2018 8:15	2.093	211.7	32.73	23.42	29.17	0
6/20/2018 8:30	2.536	180.4	71.45	24.35	29.17	0
6/20/2018 8:45	2.245	249.8	75.69	24.25	29.17	0
6/20/2018 9:00	2.562	201	32.77	24.69	29.14	0
6/20/2018 9:15	3.087	221	40.55	25.02	29.14	0
6/20/2018 9:30	2.686	279.6	36.27	25.5	29.14	0
6/20/2018 9:45	3.936	243.4	36.18	25.85	29.14	0
6/20/2018 10:00	4.361	280.6	17.26	26.02	29.14	0
6/20/2018 10:15	4.318	286.6	23.61	26.42	29.14	0
6/20/2018 10:30	4.7	252.5	22.79	26.66	29.14	0
6/20/2018 10:45	3.872	297.7	31.76	27.59	29.14	0

6/20/2018 11:00	4.364	291.7	24.67	27.34	29.15	0
6/20/2018 11:15	6.127	273.8	32.98	27.49	29.15	0
6/20/2018 11:30	6.055	273.7	20.16	27.83	29.15	0
6/20/2018 11:45	6.077	292.7	18.03	28.06	29.15	0
6/20/2018 12:00	5.844	271.6	17.58	28.72	29.14	0
6/20/2018 12:15	5.8	262.4	19.95	28.67	29.14	0
6/20/2018 12:30	7.584	261.6	15.1	28.32	29.14	0
6/20/2018 12:45	7.218	263.5	11.5	27.44	29.14	0
6/20/2018 13:00	8.31	271.2	9.83	27.33	29.14	0
6/20/2018 13:15	6.673	274.5	14.38	27.62	29.14	0
6/20/2018 13:30	4.461	263.3	18.45	27.58	29.14	0
6/20/2018 13:45	4.348	252.5	13.99	27.22	29.14	0
6/20/2018 14:00	2.432	283	22.86	27.17	29.12	0
6/20/2018 14:15	2.542	321.6	18.7	27.77	29.12	0
6/20/2018 14:30	2.218	317.6	28.21	28.39	29.12	0
6/20/2018 14:45	3.14	283.9	15.3	29	29.12	0
6/20/2018 15:00	3.593	286.5	40.53	28.96	29.11	0
6/20/2018 15:15	4.332	298.9	33.41	28.97	29.11	0
6/20/2018 15:30	2.781	293.7	39.36	29.45	29.11	0
6/20/2018 15:45	3.34	299.7	37.12	30.08	29.11	0
6/20/2018 16:00	5.011	180.3	23.84	29.85	29.1	0
6/20/2018 16:15	3.226	198.5	34.19	29.52	29.1	0
6/20/2018 16:30	3.176	203.4	33.29	29.46	29.1	0
6/20/2018 16:45	2.826	163.3	41.47	29.08	29.1	0
6/20/2018 17:00	2.484	114.2	17.88	29	29.1	0
6/20/2018 17:15	3.048	123.7	14.4	28.83	29.1	0
6/20/2018 17:30	2.121	240.4	85.6	28.99	29.1	0
6/20/2018 17:45	3.843	292.4	10.37	28.62	29.1	0
6/20/2018 18:00	2.361	331.9	28.34	28.69	29.09	0
6/20/2018 18:15	5.865	288.1	8.69	27.94	29.09	0
6/20/2018 18:30	3.293	332.1	20.38	27.66	29.09	0
6/20/2018 18:45	3.177	351.6	2.438	27.31	29.09	0
6/20/2018 19:00	3.492	330.6	17.45	26.95	29.11	0
6/20/2018 19:15	3.183	306.3	24.36	26.62	29.11	0
6/20/2018 19:30	5.165	288.3	2.824	25.89	29.11	0
6/20/2018 19:45	5.702	298.7	2.159	25.26	29.11	0
6/20/2018 20:00	5.665	297.3	2.816	24.85	29.11	0
6/20/2018 20:15	6.687	287.9	3.79	24.21	29.11	0
6/20/2018 20:30	7.452	280.8	4.688	23.57	29.11	0
6/20/2018 20:45	8.52	280.2	3.438	23.09	29.11	0
6/20/2018 21:00	9.19	282	4.625	22.87	29.1	0
6/20/2018 21:15	8.27	265.1	8.92	22.51	29.1	0
6/20/2018 21:30	6.075	281.3	10.48	22.09	29.1	0
6/20/2018 21:45	6.121	263.2	25.45	21.63	29.1	0
6/20/2018 22:00	11.51	227.8	10.42	20.03	29.15	0
6/20/2018 22:15	11.38	238.4	4.701	19.02	29.15	0
6/20/2018 22:30	10.27	244.2	4.508	18.39	29.15	0
6/20/2018 22:45	8.58	244	7.219	17.77	29.15	0
6/20/2018 23:00	4.683	240.4	9.79	17.39	29.17	0
6/20/2018 23:15	8.21	205.6	18.8	16.92	29.17	0
6/20/2018 23:30	12.15	190.7	6.842	15.89	29.17	0
6/20/2018 23:45	11.52	185.7	7.989	15.19	29.17	0
6/21/2018 0:00	9.9	187.5	10.38	14.87	29.22	0
6/21/2018 0:15	8.92	194.3	10.46	14.71	29.22	0
6/21/2018 0:30	8.44	191	9.67	14.76	29.22	0
6/21/2018 0:45	6.468	188.7	9.98	14.8	29.22	0
6/21/2018 1:00	5.496	189.3	12.21	14.88	29.23	0
6/21/2018 1:15	7.033	194	8.55	15.03	29.23	0
6/21/2018 1:30	9.91	190	7.778	15	29.23	0

6/21/2018 1:45	10.25	179.4	9.46	14.95	29.23	0
6/21/2018 2:00	9.83	177	11.22	14.8	29.23	0
6/21/2018 2:15	9.8	187.2	12.21	14.74	29.23	0
6/21/2018 2:30	9.4	196.4	11.98	14.71	29.23	0
6/21/2018 2:45	8.85	206.1	8.18	14.7	29.23	0
6/21/2018 3:00	8.08	190.7	8.13	14.56	29.25	0
6/21/2018 3:15	8.11	195.2	11.28	14.53	29.25	0
6/21/2018 3:30	7.288	198.7	7.346	14.45	29.25	0
6/21/2018 3:45	7.165	209.3	8.43	14.41	29.25	0
6/21/2018 4:00	7.316	203.3	9.46	14.32	29.26	0
6/21/2018 4:15	6.873	193.5	8.99	14.05	29.26	0
6/21/2018 4:30	6.002	187.3	11.26	13.86	29.26	0
6/21/2018 4:45	7.1	195	11.27	13.78	29.26	0
6/21/2018 5:00	5.359	188.5	7.24	13.63	29.27	0
6/21/2018 5:15	5.62	191.8	8.27	13.67	29.27	0
6/21/2018 5:30	5.254	182.4	7.832	13.74	29.27	0
6/21/2018 5:45	4.816	177	10.13	13.78	29.27	0
6/21/2018 6:00	4.872	192.7	12.48	14.09	29.28	0
6/21/2018 6:15	6.617	202	10.09	14.29	29.28	0
6/21/2018 6:30	8	211.2	13	14.22	29.28	0
6/21/2018 6:45	7.277	200.3	11.6	14	29.28	0
6/21/2018 7:00	5.004	206.6	12.67	13.96	29.29	0
6/21/2018 7:15	6.171	218.4	12.5	13.98	29.29	0
6/21/2018 7:30	8.73	225.6	7.68	13.58	29.29	0
6/21/2018 7:45	8.34	218.8	9.15	13.61	29.29	0
6/21/2018 8:00	8.27	203.1	10.76	13.85	29.3	0
6/21/2018 8:15	6.923	202.6	13	14.03	29.3	0
6/21/2018 8:30	6.772	203	11.11	14.08	29.3	0
6/21/2018 8:45	5.884	213.3	11.62	14.22	29.3	0
6/21/2018 9:00	6.252	230.9	9.03	14.12	29.31	0
6/21/2018 9:15	5.058	223.5	15.42	14.24	29.31	0
6/21/2018 9:30	5.524	206	16.01	14.59	29.31	0
6/21/2018 9:45	5.369	182.6	13.19	14.55	29.31	0
6/21/2018 10:00	5.695	186.5	12.57	14.87	29.33	0
6/21/2018 10:15	5.504	166.8	24.75	15.21	29.33	0
6/21/2018 10:30	5.513	159.4	20.61	15.66	29.33	0
6/21/2018 10:45	5.52	152.6	20.48	15.75	29.33	0
6/21/2018 11:00	4.478	165.8	27.86	15.83	29.32	0
6/21/2018 11:15	5.837	162.5	25.29	16.13	29.32	0
6/21/2018 11:30	5.278	169	25.79	16.18	29.32	0
6/21/2018 11:45	4.769	175.7	25.26	16.15	29.32	0
6/21/2018 12:00	4.233	186.1	24.64	16.16	29.34	0
6/21/2018 12:15	4.544	129	16.18	16.46	29.34	0
6/21/2018 12:30	5.06	171.8	35.37	16.4	29.34	0
6/21/2018 12:45	3.928	134.1	17.49	16.89	29.34	0
6/21/2018 13:00	4.784	140.3	22.72	17.24	29.34	0
6/21/2018 13:15	3.81	215.4	32.28	17.2	29.34	0
6/21/2018 13:30	3.066	212.7	42.75	17.18	29.34	0
6/21/2018 13:45	4.823	246.3	15.41	17.29	29.34	0
6/21/2018 14:00	4.405	283.3	43.06	17.36	29.33	0
6/21/2018 14:15	6.797	261.2	13.65	17.64	29.33	0
6/21/2018 14:30	6.595	253.9	14.88	17.64	29.33	0
6/21/2018 14:45	6.795	284.2	15.66	17.48	29.33	0
6/21/2018 15:00	4.906	276.4	22.42	17.46	29.31	0
6/21/2018 15:15	3.436	244.1	37.18	17.65	29.31	0
6/21/2018 15:30	5.418	219.6	18.86	17.79	29.31	0
6/21/2018 15:45	4.402	263	26.4	17.64	29.31	0
6/21/2018 16:00	4.904	257.3	23.86	17.81	29.33	0
6/21/2018 16:15	6.025	248.2	13.34	17.68	29.33	0

6/21/2018 16:30	5.402	256.3	24.64	17.72	29.33	0
6/21/2018 16:45	4.857	251.9	17.75	17.7	29.33	0
6/21/2018 17:00	4.693	254.4	24.9	17.69	29.32	0
6/21/2018 17:15	3.108	251.7	19.62	17.94	29.32	0
6/21/2018 17:30	1.757	326.6	36.52	17.74	29.32	0
6/21/2018 17:45	2.365	296.9	29.26	17.99	29.32	0
6/21/2018 18:00	3.763	272.8	24.7	17.95	29.31	0
6/21/2018 18:15	3.661	221.9	13.6	17.82	29.31	0
6/21/2018 18:30	5.292	240.8	11.3	17.85	29.31	0
6/21/2018 18:45	4.354	251.6	13.37	17.56	29.31	0
6/21/2018 19:00	3.668	269.7	12.76	17.55	29.33	0
6/21/2018 19:15	7.576	276.6	6.506	17.21	29.33	0
6/21/2018 19:30	6.095	267.5	11.33	17	29.33	0
6/21/2018 19:45	5.795	254.8	6.436	16.83	29.33	0
6/21/2018 20:00	5.807	257	7.569	16.68	29.33	0
6/21/2018 20:15	6.345	246.8	9.57	16.5	29.33	0
6/21/2018 20:30	6.552	242.9	5.687	16.14	29.33	0
6/21/2018 20:45	5.11	251.8	7.138	15.85	29.33	0
6/21/2018 21:00	2.57	273.8	15.02	15.73	29.32	0
6/21/2018 21:15	3.997	271.1	7.099	15.59	29.32	0
6/21/2018 21:30	4.372	265.9	4.52	15.47	29.32	0
6/21/2018 21:45	1.727	284.6	9.74	15.42	29.32	0
6/21/2018 22:00	2.663	266.4	14.96	15.42	29.34	0
6/21/2018 22:15	3.511	261.3	10.73	15.32	29.34	0
6/21/2018 22:30	2.702	263.2	14.12	15.25	29.34	0
6/21/2018 22:45	4.05	255.8	11.46	15.16	29.34	0
6/21/2018 23:00	4.425	253.2	6.289	15.05	29.35	0
6/21/2018 23:15	4.096	254.9	10.67	14.91	29.35	0
6/21/2018 23:30	2.62	271.7	13.44	14.67	29.35	0
6/21/2018 23:45	2.61	263.3	19.15	14.55	29.35	0
6/22/2018 0:00	3.951	240.3	11.49	14.56	29.33	0
6/22/2018 0:15	4.433	246.8	13.15	14.47	29.33	0
6/22/2018 0:30	2.628	237.1	16.61	14.37	29.33	0
6/22/2018 0:45	2.701	219.7	14.82	14.39	29.33	0
6/22/2018 1:00	4.865	231.4	12.67	14.32	29.32	0
6/22/2018 1:15	4.803	225.4	21.31	14.2	29.32	0
6/22/2018 1:30	4.629	195.7	10.95	14.11	29.32	0
6/22/2018 1:45	5.055	215	15.55	14.15	29.32	0
6/22/2018 2:00	4.724	212.7	11.86	14.11	29.32	0
6/22/2018 2:15	4.003	207.4	20.35	13.98	29.32	0
6/22/2018 2:30	5.705	221	9.38	13.98	29.32	0
6/22/2018 2:45	6.9	217	8.7	13.84	29.32	0
6/22/2018 3:00	5.655	211.6	9.35	13.83	29.33	0
6/22/2018 3:15	5.381	204.6	12.56	13.63	29.33	0
6/22/2018 3:30	4.992	202.7	9.97	13.56	29.33	0
6/22/2018 3:45	4.967	193.9	7.403	13.48	29.33	0
6/22/2018 4:00	5.57	187.9	8.29	13.42	29.33	0
6/22/2018 4:15	5.73	197.4	7.643	13.3	29.33	0
6/22/2018 4:30	5.36	192.9	7.548	13.2	29.33	0
6/22/2018 4:45	5.139	189	8.17	13.17	29.33	0
6/22/2018 5:00	4.716	179.6	12.29	12.84	29.36	0
6/22/2018 5:15	4.52	179.6	11.4	12.9	29.36	0
6/22/2018 5:30	4.229	156.8	35.34	13.02	29.36	0
6/22/2018 5:45	3.305	141.9	43.93	12.94	29.36	0
6/22/2018 6:00	6.037	175.3	10.85	13.09	29.36	0
6/22/2018 6:15	5.02	179.1	13.88	13.08	29.36	0
6/22/2018 6:30	4.603	132.9	8.45	13.02	29.36	0
6/22/2018 6:45	5.207	142.6	8.58	12.93	29.36	0
6/22/2018 7:00	5.283	146.6	7.269	13.08	29.35	0

6/22/2018 7:15	5.977	139.2	11.3	13.06	29.35	0
6/22/2018 7:30	5.37	128.3	9.38	13.11	29.35	0
6/22/2018 7:45	5.598	133.9	13.86	13.31	29.35	0
6/22/2018 8:00	4.825	153.3	13.93	13.38	29.35	0
6/22/2018 8:15	5.517	171.2	13.37	13.49	29.35	0
6/22/2018 8:30	5.818	184.5	10.16	13.48	29.35	0
6/22/2018 8:45	7.129	200.6	9.85	13.67	29.35	0
6/22/2018 9:00	6.122	202.4	15.01	13.8	29.36	0
6/22/2018 9:15	7.296	186.3	10.75	13.78	29.36	0
6/22/2018 9:30	6.128	170.5	20.06	14.05	29.36	0
6/22/2018 9:45	7.258	197.2	34.34	13.86	29.36	0
6/22/2018 10:00	4.604	264.5	15.28	13.41	29.37	0
6/22/2018 10:15	3.233	242.6	34.82	13.95	29.37	0
6/22/2018 10:30	5.799	266.6	13.12	13.87	29.37	0
6/22/2018 10:45	4.346	234.6	18.79	13.99	29.37	0
6/22/2018 11:00	5.134	212.7	15.27	14.28	29.36	0
6/22/2018 11:15	3.157	183.3	24.24	14.83	29.36	0
6/22/2018 11:30	4.532	156.2	30.58	16.49	29.36	0
6/22/2018 11:45	5.513	135.6	26.06	16.6	29.36	0
6/22/2018 12:00	6.937	176.6	34.06	16.65	29.37	0
6/22/2018 12:15	7.587	225.5	16.66	16.75	29.37	0
6/22/2018 12:30	7.084	221.5	14.99	17.02	29.37	0
6/22/2018 12:45	9.58	198.8	15.97	16.95	29.37	0
6/22/2018 13:00	6.524	237.8	23.01	16.99	29.36	0
6/22/2018 13:15	8.44	238.8	14.7	16.8	29.36	0
6/22/2018 13:30	9.46	236	9.4	16.43	29.36	0
6/22/2018 13:45	7.02	234.7	12.82	16.48	29.36	0
6/22/2018 14:00	7.189	224.8	16.99	16.96	29.34	0
6/22/2018 14:15	6.344	219.9	20.03	17.45	29.34	0
6/22/2018 14:30	4.169	215.6	36.33	17.53	29.34	0
6/22/2018 14:45	7.347	209.4	27.71	17.72	29.34	0
6/22/2018 15:00	7.003	220.9	18.36	18.05	29.33	0
6/22/2018 15:15	7.442	220.3	17.84	17.89	29.33	0
6/22/2018 15:30	6.91	267.3	16.27	17.98	29.33	0
6/22/2018 15:45	7.188	251.9	17.93	17.88	29.33	0
6/22/2018 16:00	5.259	241.2	17.27	17.64	29.32	0
6/22/2018 16:15	5.532	231	22.34	17.47	29.32	0
6/22/2018 16:30	5.529	210.8	9.61	17.35	29.32	0
6/22/2018 16:45	4.407	201	14.66	17.29	29.32	0
6/22/2018 17:00	1.546	191.4	76.42	17.6	29.3	0
6/22/2018 17:15	3.758	31.33	7.004	17.43	29.3	0
6/22/2018 17:30	3.627	52.02	6.419	17.36	29.3	0
6/22/2018 17:45	2.988	52.25	4.386	17.2	29.3	0
6/22/2018 18:00	3.333	49.32	6.274	17.06	29.29	0
6/22/2018 18:15	3.325	61.37	6.771	16.99	29.29	0
6/22/2018 18:30	3.07	59.11	12.4	16.97	29.29	0
6/22/2018 18:45	1.212	58.95	1.943	16.95	29.29	0
6/22/2018 19:00	1.02	53.67	0.181	16.93	29.29	0
6/22/2018 19:15	0.507	53.89	0.191	16.93	29.29	0
6/22/2018 19:30	0	0	0	16.97	29.29	0
6/22/2018 19:45	2.758	242	80.8	16.79	29.29	0
6/22/2018 20:00	7.085	239.7	8.85	16.52	29.29	0
6/22/2018 20:15	9.56	242.4	9.53	16.01	29.29	0
6/22/2018 20:30	10.03	235.5	8.17	15	29.29	0
6/22/2018 20:45	7.485	237.3	9.53	14.58	29.29	0
6/22/2018 21:00	8.58	235.6	8.45	13.98	29.31	0
6/22/2018 21:15	5.116	252.1	9.6	13.74	29.31	0
6/22/2018 21:30	2.491	250.7	13.06	13.79	29.31	0
6/22/2018 21:45	1.892	102.8	72.32	13.53	29.31	0

6/22/2018 22:00	1.28	93.7	0.568	13.34	29.3	0.01
6/22/2018 22:15	2.053	111.5	7.886	13.28	29.3	0
6/22/2018 22:30	1.675	79.98	8.12	13.26	29.3	0
6/22/2018 22:45	1.894	65.61	7.649	13.15	29.3	0.01
6/22/2018 23:00	1.201	45.18	38.05	13.1	29.31	0
6/22/2018 23:15	2.707	29.17	39.93	12.96	29.31	0.01
6/22/2018 23:30	4.731	29.53	6.206	12.47	29.31	0.01
6/22/2018 23:45	4.758	31.59	6.995	12.35	29.31	0.01
6/23/2018 0:00	4.314	41.86	11.37	12.3	29.32	0.01
6/23/2018 0:15	4.487	35.41	5.07	12.31	29.32	0.01
6/23/2018 0:30	2.973	38.14	5.544	12.34	29.32	0.01
6/23/2018 0:45	2.07	64.96	65.29	12.38	29.32	0.02
6/23/2018 1:00	4.437	198.9	9.09	12.47	29.3	0.02
6/23/2018 1:15	2.484	253.1	38.18	12.37	29.3	0.03
6/23/2018 1:30	0.101	339.1	16.77	12.25	29.3	0.04
6/23/2018 1:45	0.472	350.6	4.367	12.29	29.3	0.01
6/23/2018 2:00	1.008	7.956	6.311	12.38	29.33	0
6/23/2018 2:15	1.427	15.66	10.97	12.36	29.33	0.01
6/23/2018 2:30	1.622	22.54	18	12.25	29.33	0
6/23/2018 2:45	3.303	21.26	14.83	12.23	29.33	0
6/23/2018 3:00	3.705	14.68	7.152	12.14	29.32	0
6/23/2018 3:15	3.099	3.812	7.969	12.04	29.32	0
6/23/2018 3:30	5.665	21.2	10.57	11.86	29.32	0.01
6/23/2018 3:45	5.569	25.98	9.7	11.88	29.32	0
6/23/2018 4:00	2.43	4.763	31.31	12.06	29.34	0
6/23/2018 4:15	0.062	184.2	11.25	12.03	29.34	0
6/23/2018 4:30	0.001	132.2	6.224	12.12	29.34	0
6/23/2018 4:45	2.281	39.75	29.53	12.12	29.34	0
6/23/2018 5:00	1.905	26.89	25.42	12.04	29.32	0
6/23/2018 5:15	5.777	1.142	18.26	12.08	29.32	0
6/23/2018 5:30	5.802	29.05	11.19	12.07	29.32	0
6/23/2018 5:45	4.207	33.79	5.947	12.1	29.32	0
6/23/2018 6:00	0.528	43.73	20.58	12.2	29.35	0
6/23/2018 6:15	2.059	63.46	15.88	12.17	29.35	0
6/23/2018 6:30	3.738	36.13	10.8	12.24	29.35	0
6/23/2018 6:45	2.672	42.52	11.12	12.45	29.35	0
6/23/2018 7:00	3.23	42.23	20.79	12.54	29.34	0
6/23/2018 7:15	4.224	43.21	11.64	12.51	29.34	0
6/23/2018 7:30	4.034	38.96	6.883	12.47	29.34	0
6/23/2018 7:45	3.751	27.46	12.22	12.63	29.34	0
6/23/2018 8:00	7.799	12.66	9.41	12.68	29.35	0
6/23/2018 8:15	5.361	24.8	8.72	12.76	29.35	0
6/23/2018 8:30	5.308	14.44	14.67	13.16	29.35	0
6/23/2018 8:45	4.814	16.33	12.64	13.4	29.35	0
6/23/2018 9:00	5.582	5.014	10.29	13.41	29.36	0
6/23/2018 9:15	6.232	354	15.97	13.37	29.36	0
6/23/2018 9:30	7.237	349.4	11.82	13.52	29.36	0
6/23/2018 9:45	8.64	352.7	8.72	13.44	29.36	0
6/23/2018 10:00	7.511	352.1	11.94	13.65	29.37	0
6/23/2018 10:15	4.962	354.9	12.42	13.82	29.37	0
6/23/2018 10:30	3.701	28.49	16.51	14.29	29.37	0
6/23/2018 10:45	3.973	21.35	9.9	14.21	29.37	0
6/23/2018 11:00	2.009	1.904	18.53	14.59	29.39	0
6/23/2018 11:15	3.98	21.15	13.4	14.69	29.39	0
6/23/2018 11:30	5.379	4.052	11.7	14.9	29.39	0
6/23/2018 11:45	5.758	29.54	11.59	15.19	29.39	0
6/23/2018 12:00	6.43	31.25	13.26	15.12	29.37	0
6/23/2018 12:15	7.475	46.43	11.68	15.26	29.37	0
6/23/2018 12:30	6.842	39.09	13.67	15.61	29.37	0

6/23/2018 12:45	6.431	53.4	18.07	16.21	29.37	0
6/23/2018 13:00	7.02	36.87	22.42	16.6	29.37	0
6/23/2018 13:15	5.502	21.59	12.27	16.67	29.37	0
6/23/2018 13:30	5.386	7.99	26.42	17.17	29.37	0
6/23/2018 13:45	5.867	14.62	24.71	16.69	29.37	0
6/23/2018 14:00	3.498	252.5	29.29	17.33	29.38	0
6/23/2018 14:15	5.037	320.9	36.78	17.97	29.38	0
6/23/2018 14:30	4.327	34.46	19.28	17.97	29.38	0
6/23/2018 14:45	4.963	43.3	20.12	18.16	29.38	0
6/23/2018 15:00	4.769	45.32	15.47	18.07	29.35	0
6/23/2018 15:15	7.19	36.29	13.84	18.32	29.35	0
6/23/2018 15:30	6.229	43.69	12.84	18.11	29.35	0
6/23/2018 15:45	6.149	35.15	13.96	19.06	29.35	0
6/23/2018 16:00	6.521	35.52	20.17	19.23	29.35	0
6/23/2018 16:15	6.779	39.95	11.48	19.66	29.35	0
6/23/2018 16:30	7.833	40.76	12.48	19.65	29.35	0
6/23/2018 16:45	6.91	30.68	8.65	19.38	29.35	0
6/23/2018 17:00	6.845	19.75	10.35	19.22	29.36	0
6/23/2018 17:15	7.017	9.62	9.04	19.28	29.36	0
6/23/2018 17:30	6.106	11	13.32	19.52	29.36	0
6/23/2018 17:45	5.941	20.73	11.18	19.47	29.36	0
6/23/2018 18:00	5.804	30.53	7.155	19.44	29.35	0
6/23/2018 18:15	4.99	25.1	5.506	19.38	29.35	0
6/23/2018 18:30	4.358	6.322	15.68	19.67	29.35	0
6/23/2018 18:45	4.282	326.7	18.85	19.79	29.35	0
6/23/2018 19:00	5.012	336	8.93	19.46	29.33	0
6/23/2018 19:15	4.439	325.2	6.123	19.22	29.33	0
6/23/2018 19:30	4.172	321.1	2.612	18.87	29.33	0
6/23/2018 19:45	5.89	311.7	4.835	18.34	29.33	0
6/23/2018 20:00	5.434	306.3	2.371	17.82	29.33	0
6/23/2018 20:15	5.053	316.8	5.882	17.17	29.33	0
6/23/2018 20:30	4.77	340.6	12.73	16.89	29.33	0
6/23/2018 20:45	1.096	15.32	9.25	16.45	29.33	0
6/23/2018 21:00	1.367	31.56	6.965	16.21	29.32	0
6/23/2018 21:15	2.576	28.49	2.99	15.73	29.32	0
6/23/2018 21:30	1.518	25.41	0.564	15.62	29.32	0
6/23/2018 21:45	2.054	17.81	7.507	15.91	29.32	0
6/23/2018 22:00	2.356	29.6	10.27	15.88	29.31	0
6/23/2018 22:15	1.937	53.3	2.766	15.1	29.31	0
6/23/2018 22:30	0.969	54.57	0.155	15.13	29.31	0
6/23/2018 22:45	1.424	61.69	7.682	15.42	29.31	0
6/23/2018 23:00	1.139	70.17	0.111	15.1	29.29	0
6/23/2018 23:15	2.067	67.03	13.67	15.19	29.29	0
6/23/2018 23:30	3.614	34.84	6.031	15.26	29.29	0
6/23/2018 23:45	4.122	31.51	6.327	15.04	29.29	0
6/24/2018 0:00	4.959	24.16	6.677	14	29.29	0
6/24/2018 0:15	4.265	33.03	9.01	13.66	29.29	0
6/24/2018 0:30	3.17	34.45	9.64	13.48	29.29	0
6/24/2018 0:45	3.339	40.56	4.911	13.22	29.29	0
6/24/2018 1:00	4.287	52.78	7.939	12.97	29.3	0
6/24/2018 1:15	4.888	58.82	6.574	12.7	29.3	0
6/24/2018 1:30	3.502	43.58	5.011	13.21	29.3	0
6/24/2018 1:45	3.506	48.58	7.556	13.51	29.3	0
6/24/2018 2:00	4.466	37.73	9.17	12.65	29.27	0
6/24/2018 2:15	5.07	34.95	7.087	11.84	29.27	0
6/24/2018 2:30	3.934	13.82	11.04	11.73	29.27	0
6/24/2018 2:45	2.601	11.68	5.437	11.74	29.27	0
6/24/2018 3:00	3.08	25.35	10.93	11.8	29.28	0
6/24/2018 3:15	2.1	50.99	6.867	11.23	29.28	0

6/24/2018 3:30	3.879	44.97	4.687	10.97	29.28	0
6/24/2018 3:45	2.474	48.55	16.23	11.15	29.28	0
6/24/2018 4:00	0.854	39.11	19.52	11.34	29.27	0
6/24/2018 4:15	2.444	67.08	21.45	12.07	29.27	0
6/24/2018 4:30	1.121	16.75	21.75	11.74	29.27	0
6/24/2018 4:45	0.353	31.6	45.42	11.66	29.27	0
6/24/2018 5:00	0.763	24.48	0.079	12.08	29.26	0
6/24/2018 5:15	1.076	22.53	2.97	12.65	29.26	0
6/24/2018 5:30	2.451	359	8.74	12.37	29.26	0
6/24/2018 5:45	1.887	341.2	32.98	12.76	29.26	0
6/24/2018 6:00	2.531	16.04	18.98	12.49	29.24	0
6/24/2018 6:15	3.148	349.2	25.14	11.61	29.24	0
6/24/2018 6:30	2.617	353.8	31.51	12.84	29.24	0
6/24/2018 6:45	2.756	40.61	8.81	12.03	29.24	0
6/24/2018 7:00	2.822	35.91	13.48	12.17	29.24	0
6/24/2018 7:15	2.922	41.39	12.78	12.44	29.24	0
6/24/2018 7:30	2.324	32.09	17.26	12.88	29.24	0
6/24/2018 7:45	3.195	25.67	8.42	13.55	29.24	0
6/24/2018 8:00	3.062	23.03	17.65	14.43	29.22	0
6/24/2018 8:15	4.39	39.58	13.6	15.18	29.22	0
6/24/2018 8:30	4.373	35.15	11.45	15.39	29.22	0
6/24/2018 8:45	2.907	4.651	21.77	15.84	29.22	0
6/24/2018 9:00	3.707	328	28.35	17.23	29.2	0
6/24/2018 9:15	4.017	32.18	14.12	17.07	29.2	0
6/24/2018 9:30	4.39	37.64	18.85	17.53	29.2	0
6/24/2018 9:45	3.356	20.75	26	18.16	29.2	0
6/24/2018 10:00	4.055	66.07	17.24	18.94	29.18	0
6/24/2018 10:15	3.055	38.51	23.74	19.25	29.18	0
6/24/2018 10:30	2.656	75.71	61.63	20.06	29.18	0
6/24/2018 10:45	4.069	324.7	48.76	20.84	29.18	0
6/24/2018 11:00	6.735	278.5	13.09	20.83	29.15	0
6/24/2018 11:15	9.07	272.5	12.53	20.77	29.15	0
6/24/2018 11:30	7.374	284.6	38.12	21.27	29.15	0
6/24/2018 11:45	4.376	320.1	41.06	21.77	29.15	0
6/24/2018 12:00	6.077	313.4	38.4	21.97	29.13	0
6/24/2018 12:15	4.958	289.9	28.39	22.17	29.13	0
6/24/2018 12:30	5.308	311.9	34.66	23.18	29.13	0
6/24/2018 12:45	8.33	277.6	16.69	23.18	29.13	0
6/24/2018 13:00	7.705	263.7	18.86	23.31	29.11	0
6/24/2018 13:15	9.69	268.3	12.35	23.44	29.11	0
6/24/2018 13:30	7.446	272	19.14	24	29.11	0
6/24/2018 13:45	6.11	285.5	22.65	24.27	29.11	0
6/24/2018 14:00	5.904	276.4	20.87	24.71	29.06	0
6/24/2018 14:15	6.13	268.1	21.34	24.57	29.06	0
6/24/2018 14:30	6.799	257.7	12.59	24.84	29.06	0
6/24/2018 14:45	7.588	264.3	17.58	25.28	29.06	0
6/24/2018 15:00	7.766	282.9	19.78	25.31	29.05	0
6/24/2018 15:15	7.837	277.3	13.27	25.4	29.05	0
6/24/2018 15:30	7.892	279.8	18.13	25.42	29.05	0
6/24/2018 15:45	6.458	275.4	15.02	25.22	29.05	0
6/24/2018 16:00	4.999	284	23.12	25.53	29.02	0
6/24/2018 16:15	3.515	298.2	39.23	26.02	29.02	0
6/24/2018 16:30	7.539	263.6	16.23	25.5	29.02	0
6/24/2018 16:45	8.09	264.3	15.06	25.31	29.02	0
6/24/2018 17:00	8.61	276.6	9.2	24.84	29.01	0
6/24/2018 17:15	8.44	281.6	13.35	24.38	29.01	0
6/24/2018 17:30	10.1	286.5	8.78	23.58	29.01	0
6/24/2018 17:45	8.31	301.7	14.07	23.54	29.01	0
6/24/2018 18:00	7.388	300.7	10.62	23.31	29	0

6/24/2018 18:15	5.791	352.4	24.54	22.55	29	0
6/24/2018 18:30	8.95	345.9	17.29	21.91	29	0
6/24/2018 18:45	11.11	336.9	16.64	20.83	29	0
6/24/2018 19:00	10.6	344.2	13.96	19.91	29.02	0
6/24/2018 19:15	14.28	358	18.56	19.08	29.02	0
6/24/2018 19:30	12.98	358.8	14.97	18.73	29.02	0
6/24/2018 19:45	10.85	353	18.85	18.54	29.02	0
6/24/2018 20:00	12.25	356.6	15.78	18.32	29.02	0
6/24/2018 20:15	10.41	355.2	16.32	18.01	29.02	0
6/24/2018 20:30	12.1	357.7	16.36	17.49	29.02	0
6/24/2018 20:45	9.16	350.9	17.91	17.18	29.02	0
6/24/2018 21:00	6.889	344.7	27.43	16.8	29.06	0
6/24/2018 21:15	8.09	328.9	24.95	16.54	29.06	0
6/24/2018 21:30	8.58	350.8	34.41	16.16	29.06	0
6/24/2018 21:45	7.197	344.5	31.94	16.03	29.06	0
6/24/2018 22:00	8.24	322.2	35.59	16.12	29.09	0
6/24/2018 22:15	10.19	276.1	15.85	16.04	29.09	0
6/24/2018 22:30	6.733	298.5	13.25	15.79	29.09	0
6/24/2018 22:45	6.037	300.7	12.46	15.54	29.09	0
6/24/2018 23:00	5.934	328.6	20.24	15.33	29.15	0
6/24/2018 23:15	7.182	31.38	30.25	15.06	29.15	0
6/24/2018 23:30	3.764	277	53.33	15.1	29.15	0
6/24/2018 23:45	5.827	324.3	61.07	15.15	29.15	0
6/25/2018 0:00	11.67	65.55	15.57	13.89	29.08	0.06
6/25/2018 0:15	10.25	88.9	20.73	13.72	29.08	0.02
6/25/2018 0:30	3.633	145	67.57	14.13	29.08	0
6/25/2018 0:45	1.689	47.23	74.3	14.2	29.08	0
6/25/2018 1:00	9.84	284.8	14.93	13.73	29.12	0
6/25/2018 1:15	11.39	285.3	11.93	13.36	29.12	0
6/25/2018 1:30	8.77	272.9	9.02	13.33	29.12	0
6/25/2018 1:45	8.08	268.7	8.5	13.3	29.12	0
6/25/2018 2:00	7.79	267.7	8.39	13.26	29.13	0
6/25/2018 2:15	6.226	269.3	9.59	13.3	29.13	0
6/25/2018 2:30	7.38	257.5	8.63	13.26	29.13	0
6/25/2018 2:45	7.496	262.8	8.32	13.16	29.13	0
6/25/2018 3:00	7.272	245.9	10.63	13.16	29.13	0
6/25/2018 3:15	7.859	241.7	7.283	13.1	29.13	0
6/25/2018 3:30	6.806	233.5	10.98	13.12	29.13	0
6/25/2018 3:45	7.33	229.5	8.75	13.09	29.13	0
6/25/2018 4:00	7.261	204	14.45	13.11	29.15	0.01
6/25/2018 4:15	7.461	192.4	9.25	12.98	29.15	0
6/25/2018 4:30	9.62	197.3	9.28	12.83	29.15	0
6/25/2018 4:45	12.01	197.2	7.644	12.66	29.15	0
6/25/2018 5:00	13.03	200.5	8.86	12.51	29.17	0.01
6/25/2018 5:15	12.78	202.4	7.895	12.42	29.17	0
6/25/2018 5:30	11.5	194.2	12.81	12.27	29.17	0
6/25/2018 5:45	11.48	184.5	10.56	12.15	29.17	0
6/25/2018 6:00	11.65	189.9	13.43	12.08	29.17	0
6/25/2018 6:15	10.23	186	9.48	12.06	29.17	0
6/25/2018 6:30	10.22	180.1	8.82	12.22	29.17	0
6/25/2018 6:45	9.66	176.1	10.85	12.39	29.17	0
6/25/2018 7:00	9.25	176.5	11.05	12.54	29.21	0
6/25/2018 7:15	8.35	181.9	10.81	12.65	29.21	0
6/25/2018 7:30	7.992	174.5	9.73	12.84	29.21	0
6/25/2018 7:45	7.351	167.6	12.09	12.9	29.21	0
6/25/2018 8:00	8.55	181.7	9.05	13.11	29.21	0
6/25/2018 8:15	7.062	174.3	10.36	13.37	29.21	0
6/25/2018 8:30	6.406	179	11.42	13.43	29.21	0
6/25/2018 8:45	6.042	202.7	13.48	13.82	29.21	0

6/25/2018 9:00	7.839	191.4	14.8	14.23	29.22	0
6/25/2018 9:15	9.3	199.2	17.24	14.48	29.22	0
6/25/2018 9:30	8.66	197.9	12.06	14.76	29.22	0
6/25/2018 9:45	6.667	241.8	58.41	14.96	29.22	0
6/25/2018 10:00	5.456	273.7	29.07	15.2	29.25	0
6/25/2018 10:15	10.56	219.3	14.36	15.91	29.25	0
6/25/2018 10:30	9.54	237.6	21.4	16.16	29.25	0
6/25/2018 10:45	12.51	249	13.82	16.72	29.25	0
6/25/2018 11:00	12.81	234.9	16.85	17.09	29.24	0
6/25/2018 11:15	14.7	242	11.27	16.98	29.24	0
6/25/2018 11:30	14.88	244.5	10.9	16.81	29.24	0
6/25/2018 11:45	11.79	251.2	11.97	17.05	29.24	0
6/25/2018 12:00	13.16	261.9	14.21	17.21	29.25	0
6/25/2018 12:15	12.97	260.8	11.97	17.4	29.25	0
6/25/2018 12:30	13.65	249.5	13.64	17.59	29.25	0
6/25/2018 12:45	15.2	264.1	10.32	17.15	29.25	0
6/25/2018 13:00	14.75	246	14.38	17.8	29.28	0
6/25/2018 13:15	15.79	246.3	14.86	18.03	29.28	0
6/25/2018 13:30	16.91	239.8	15.87	18.21	29.28	0
6/25/2018 13:45	19.25	243.2	11.49	18.16	29.28	0
6/25/2018 14:00	14.19	240.2	17.14	18.54	29.27	0
6/25/2018 14:15	14.78	237.8	14.5	17.94	29.27	0
6/25/2018 14:30	14.3	248	17.56	18.71	29.27	0
6/25/2018 14:45	11.96	232.8	20.73	18.69	29.27	0
6/25/2018 15:00	12.93	219.7	14.86	18.94	29.29	0
6/25/2018 15:15	14.32	223.3	17.88	18.93	29.29	0
6/25/2018 15:30	13.88	217.6	18.93	19.09	29.29	0
6/25/2018 15:45	12.08	233	19.98	19.3	29.29	0
6/25/2018 16:00	15.75	232.4	16.25	19.29	29.29	0
6/25/2018 16:15	14.71	239.1	11.43	19.26	29.29	0
6/25/2018 16:30	15.38	250.7	14.32	19.15	29.29	0
6/25/2018 16:45	17.22	262	8.04	18.9	29.29	0
6/25/2018 17:00	15.68	257.1	12.04	18.28	29.29	0
6/25/2018 17:15	13.62	250.5	10.84	17.82	29.29	0
6/25/2018 17:30	13.41	246	10.48	17.53	29.29	0
6/25/2018 17:45	12.84	248.9	12.68	17.36	29.29	0
6/25/2018 18:00	13.16	251	9	16.94	29.3	0
6/25/2018 18:15	10.53	262.6	14.22	17.01	29.3	0
6/25/2018 18:30	10.83	243.4	11.29	16.88	29.3	0
6/25/2018 18:45	13.34	241.7	8.67	16.64	29.3	0
6/25/2018 19:00	10.63	247.2	11.05	16.38	29.31	0
6/25/2018 19:15	8.7	241.8	10.78	16.2	29.31	0
6/25/2018 19:30	10.11	251.5	9.53	16.08	29.31	0
6/25/2018 19:45	8.2	248.7	10.9	15.89	29.31	0
6/25/2018 20:00	8.66	251.7	15.38	15.65	29.3	0
6/25/2018 20:15	7.645	237.6	13.46	15.4	29.3	0
6/25/2018 20:30	6.009	204.2	7.471	15.18	29.3	0
6/25/2018 20:45	6.528	223	9.85	14.97	29.3	0
6/25/2018 21:00	6.3	234.2	12.4	14.83	29.33	0
6/25/2018 21:15	5.685	226.1	13.95	14.65	29.33	0
6/25/2018 21:30	6.672	206.6	10.35	14.45	29.33	0
6/25/2018 21:45	7.287	219.6	12.24	14.27	29.33	0
6/25/2018 22:00	7.482	231.4	6.309	14.2	29.34	0
6/25/2018 22:15	7.093	237.4	5.796	14.09	29.34	0
6/25/2018 22:30	6.77	228.5	7.355	13.88	29.34	0
6/25/2018 22:45	6.58	231.4	7.976	13.65	29.34	0
6/25/2018 23:00	3.853	247.2	8.08	13.43	29.35	0
6/25/2018 23:15	4.189	228.7	8.62	13.31	29.35	0
6/25/2018 23:30	4.528	236.4	11.13	13.18	29.35	0

6/25/2018 23:45	4.553	230.7	10.44	13.06	29.35	0
6/26/2018 0:00	2.962	209.2	22.02	12.87	29.34	0
6/26/2018 0:15	3.33	196.3	15.48	12.72	29.34	0
6/26/2018 0:30	2.821	179.3	10.39	12.47	29.34	0
6/26/2018 0:45	1.947	144.4	24.36	12.34	29.34	0
6/26/2018 1:00	1.15	157	41.8	12.37	29.36	0
6/26/2018 1:15	3.726	188.9	21.24	12.33	29.36	0
6/26/2018 1:30	3.623	149.4	15.18	11.94	29.36	0
6/26/2018 1:45	3.54	129.4	6.094	11.82	29.36	0
6/26/2018 2:00	3.83	120.8	8.09	11.8	29.35	0
6/26/2018 2:15	2.501	135.3	8.98	11.67	29.35	0
6/26/2018 2:30	2.229	103.9	19.71	11.64	29.35	0
6/26/2018 2:45	3.857	84.2	10.51	11.6	29.35	0
6/26/2018 3:00	3.803	121.6	10.83	11.57	29.37	0
6/26/2018 3:15	4.76	134.9	6.772	11.42	29.37	0
6/26/2018 3:30	3.339	122.3	4.47	11.25	29.37	0
6/26/2018 3:45	3.404	136.8	4.227	11.32	29.37	0
6/26/2018 4:00	3.546	133.8	5.82	11.34	29.36	0
6/26/2018 4:15	3.588	147.3	9.28	11.29	29.36	0
6/26/2018 4:30	2.529	142.7	8.4	11.2	29.36	0
6/26/2018 4:45	0.704	114.7	13.38	11.25	29.36	0
6/26/2018 5:00	2.316	75.94	7.624	11.3	29.37	0
6/26/2018 5:15	2.471	100	14.82	11.39	29.37	0
6/26/2018 5:30	3.523	124.6	6.596	11.66	29.37	0
6/26/2018 5:45	2.967	142.3	20.75	11.89	29.37	0
6/26/2018 6:00	2.514	135	15.54	11.91	29.4	0
6/26/2018 6:15	3.175	142.6	14.28	12.03	29.4	0
6/26/2018 6:30	2.772	126.5	30.69	12.14	29.4	0
6/26/2018 6:45	2.954	49.49	20.7	12.18	29.4	0
6/26/2018 7:00	5.042	44.25	18.26	12.07	29.38	0
6/26/2018 7:15	7.333	17.26	8.32	11.49	29.38	0
6/26/2018 7:30	6.718	10.46	8.7	11.45	29.38	0
6/26/2018 7:45	6.921	17.64	8.2	11.34	29.38	0
6/26/2018 8:00	6.888	23.44	6.724	10.98	29.41	0
6/26/2018 8:15	7.175	21.95	7.043	10.85	29.41	0
6/26/2018 8:30	5.886	26.53	11.82	11.11	29.41	0
6/26/2018 8:45	3.893	32.22	16.31	12.26	29.41	0
6/26/2018 9:00	3.927	25.69	15.14	13.13	29.4	0
6/26/2018 9:15	3.983	24.57	18.71	13.59	29.4	0
6/26/2018 9:30	4.82	13.62	11.84	13.8	29.4	0
6/26/2018 9:45	4.758	11.28	16.38	14.25	29.4	0
6/26/2018 10:00	6.45	25.22	11.2	15.12	29.41	0
6/26/2018 10:15	5.522	19.96	19	15.58	29.41	0
6/26/2018 10:30	7.735	16.69	24.3	16.4	29.41	0
6/26/2018 10:45	7.392	324.8	21	16.55	29.41	0
6/26/2018 11:00	6.479	17.4	26.56	16.82	29.39	0
6/26/2018 11:15	6.878	20.42	29.91	17.38	29.39	0
6/26/2018 11:30	7.314	11.51	18.49	16.66	29.39	0
6/26/2018 11:45	5.822	315	29.4	17.13	29.39	0
6/26/2018 12:00	8.24	359.9	33.19	17.18	29.37	0
6/26/2018 12:15	7.563	17.18	20.48	17.03	29.37	0
6/26/2018 12:30	8.16	27.32	13.23	17.24	29.37	0
6/26/2018 12:45	8.32	6.811	22.3	17.46	29.37	0
6/26/2018 13:00	8.8	22.46	26.86	18.22	29.38	0
6/26/2018 13:15	9.49	17.27	17.61	18.3	29.38	0
6/26/2018 13:30	8.33	18.22	20.18	18.19	29.38	0
6/26/2018 13:45	8.09	8.05	34.32	18.44	29.38	0
6/26/2018 14:00	8.01	27.79	15.97	19.06	29.38	0
6/26/2018 14:15	10.17	21.28	13.2	17.85	29.38	0

6/26/2018 14:30	8.1	10.8	20.69	18.93	29.38	0
6/26/2018 14:45	6.306	6.036	24.53	19.36	29.38	0
6/26/2018 15:00	7.88	356.8	21.4	19.87	29.36	0
6/26/2018 15:15	8.89	20.86	21.92	19.04	29.36	0
6/26/2018 15:30	8.61	29.38	17.04	19.7	29.36	0
6/26/2018 15:45	6.512	29.32	27.61	19.69	29.36	0
6/26/2018 16:00	8.51	35.3	19.98	20.25	29.35	0
6/26/2018 16:15	9.44	24.54	16.87	19.83	29.35	0
6/26/2018 16:30	6.496	9.97	22.36	19.94	29.35	0
6/26/2018 16:45	6.462	9.06	15.21	20.05	29.35	0
6/26/2018 17:00	7.368	4.347	20.13	19.88	29.34	0
6/26/2018 17:15	8.49	315.9	17.33	20.24	29.34	0
6/26/2018 17:30	8.69	312.1	14.9	19.83	29.34	0
6/26/2018 17:45	7.551	318.5	17.84	19.85	29.34	0
6/26/2018 18:00	8.12	335.9	17.87	19.67	29.32	0
6/26/2018 18:15	7.748	333.2	16.28	19.62	29.32	0
6/26/2018 18:30	7.589	330.6	18.4	19.35	29.32	0
6/26/2018 18:45	10.51	308	7.577	18.86	29.32	0
6/26/2018 19:00	10.99	305.8	6.561	18.44	29.32	0
6/26/2018 19:15	10.33	311.5	5.556	17.85	29.32	0
6/26/2018 19:30	9.32	310.8	6.614	17.33	29.32	0
6/26/2018 19:45	6.789	330.3	11.04	16.87	29.32	0
6/26/2018 20:00	8.06	330.2	10.21	16.41	29.3	0
6/26/2018 20:15	7.169	303	7.519	15.87	29.3	0
6/26/2018 20:30	7.173	291.5	12.11	15.78	29.3	0
6/26/2018 20:45	4.876	307.3	25.55	15.65	29.3	0
6/26/2018 21:00	3.555	330.9	24.91	15.52	29.32	0
6/26/2018 21:15	4.21	14.25	18.14	14.87	29.32	0
6/26/2018 21:30	6.833	27.26	14.7	14.45	29.32	0
6/26/2018 21:45	6.626	30.86	17.7	14.1	29.32	0
6/26/2018 22:00	10.28	13.9	19.23	14.25	29.3	0
6/26/2018 22:15	10.4	22.34	13.62	14.05	29.3	0
6/26/2018 22:30	11.78	14.61	12.94	13.77	29.3	0
6/26/2018 22:45	11.25	19.44	14.36	13.4	29.3	0
6/26/2018 23:00	6.974	33.9	15.65	12.96	29.28	0
6/26/2018 23:15	3.069	47.33	29.96	12.95	29.28	0
6/26/2018 23:30	2.145	58.57	55.04	12.85	29.28	0
6/26/2018 23:45	3.062	20.77	26.32	13.06	29.28	0
6/27/2018 0:00	6.807	17.24	13.85	13.05	29.29	0
6/27/2018 0:15	11.18	14.66	9.05	12.83	29.29	0
6/27/2018 0:30	12.4	16.37	6.968	12.61	29.29	0
6/27/2018 0:45	10.61	15.58	8.43	12.56	29.29	0
6/27/2018 1:00	8.85	16.77	10.68	12.37	29.26	0
6/27/2018 1:15	10.6	16.4	6.47	11.97	29.26	0
6/27/2018 1:30	11.08	25.53	4.397	11.85	29.26	0
6/27/2018 1:45	10.34	21.78	4.802	11.83	29.26	0
6/27/2018 2:00	5.665	43.46	20.77	11.18	29.26	0
6/27/2018 2:15	2.841	37.37	18.99	10.62	29.26	0
6/27/2018 2:30	6.497	37.67	11.91	10.71	29.26	0
6/27/2018 2:45	10.22	28.7	5.82	11	29.26	0
6/27/2018 3:00	11.2	31.27	8.28	11.12	29.25	0
6/27/2018 3:15	10.27	30.07	6.867	11.19	29.25	0
6/27/2018 3:30	10.5	32.09	4.714	11.27	29.25	0
6/27/2018 3:45	8.37	37.25	6.541	11.29	29.25	0
6/27/2018 4:00	8.72	28.88	7.206	10.94	29.25	0
6/27/2018 4:15	7.551	27.14	8.62	10.61	29.25	0
6/27/2018 4:30	6.991	28.03	12.37	10.79	29.25	0
6/27/2018 4:45	5.297	29.3	13.01	10.67	29.25	0
6/27/2018 5:00	4.178	34.16	7.177	10.79	29.24	0

6/27/2018 5:15	5.795	34.84	8.79	11.12	29.24	0
6/27/2018 5:30	8.15	25.3	7.828	11.6	29.24	0
6/27/2018 5:45	10.88	25.13	8.59	12.08	29.24	0
6/27/2018 6:00	8.75	27.21	7.144	11.9	29.25	0
6/27/2018 6:15	6.006	34.7	6.13	12.31	29.25	0
6/27/2018 6:30	3.459	46.42	11.06	12.06	29.25	0
6/27/2018 6:45	3.476	34.65	11.51	12.09	29.25	0
6/27/2018 7:00	5.226	38.71	8.98	12.37	29.24	0
6/27/2018 7:15	5.674	32.07	5.322	12.82	29.24	0
6/27/2018 7:30	5.742	36.46	13.65	13.66	29.24	0
6/27/2018 7:45	4.953	32.32	22.2	13.62	29.24	0
6/27/2018 8:00	3.385	21.99	14.43	13.89	29.25	0
6/27/2018 8:15	4.194	28.3	13.81	14.31	29.25	0
6/27/2018 8:30	3.513	3.617	47.02	14.84	29.25	0
6/27/2018 8:45	3.451	347.8	35.39	15.5	29.25	0
6/27/2018 9:00	3.501	316.3	44.17	15.89	29.25	0
6/27/2018 9:15	4.203	330.6	20.07	15.92	29.25	0
6/27/2018 9:30	3.551	340.7	25.95	15.94	29.25	0
6/27/2018 9:45	3.837	19.06	12.01	15.55	29.25	0
6/27/2018 10:00	3.667	322.9	43.56	16.02	29.24	0
6/27/2018 10:15	5.981	294.8	13.18	16.13	29.24	0
6/27/2018 10:30	5.119	271.3	20.33	15.94	29.24	0
6/27/2018 10:45	6.376	271	22.57	16.39	29.24	0
6/27/2018 11:00	6.517	274.4	16.1	16.18	29.24	0
6/27/2018 11:15	8.1	271	14.24	16.3	29.24	0
6/27/2018 11:30	6.973	290.4	20.8	16.64	29.24	0
6/27/2018 11:45	5.37	280.4	20.91	16.75	29.24	0
6/27/2018 12:00	4.188	271.3	33.91	16.91	29.23	0
6/27/2018 12:15	5.795	271.4	25.23	17.07	29.23	0
6/27/2018 12:30	6.707	259.3	15.14	16.93	29.23	0
6/27/2018 12:45	4.616	308.5	34.52	17.5	29.23	0
6/27/2018 13:00	4.945	307.9	35.76	17.77	29.23	0
6/27/2018 13:15	6.454	295.7	22.91	17.9	29.23	0
6/27/2018 13:30	7.245	297.1	26.44	18.08	29.23	0
6/27/2018 13:45	7.941	275	14.22	17.93	29.23	0
6/27/2018 14:00	7.864	283.8	10.5	17.9	29.21	0
6/27/2018 14:15	7.573	282	9.92	17.89	29.21	0
6/27/2018 14:30	6.889	280.2	17.41	17.91	29.21	0
6/27/2018 14:45	8.5	289.2	13.22	17.96	29.21	0
6/27/2018 15:00	6.059	290.9	10.89	17.78	29.24	0
6/27/2018 15:15	5.741	285.2	12.18	17.78	29.24	0
6/27/2018 15:30	5.907	287.9	12.92	17.89	29.24	0
6/27/2018 15:45	5.442	295.9	9.41	17.79	29.24	0
6/27/2018 16:00	5.764	314.8	9.45	17.55	29.21	0
6/27/2018 16:15	4.383	311.2	15.25	17.55	29.21	0
6/27/2018 16:30	2.995	312	15.28	17.66	29.21	0
6/27/2018 16:45	2.832	293.2	27.41	17.73	29.21	0
6/27/2018 17:00	3.291	278.2	12.81	17.76	29.21	0
6/27/2018 17:15	4.421	280.4	15.71	17.86	29.21	0
6/27/2018 17:30	5.649	270.5	12.9	17.92	29.21	0
6/27/2018 17:45	4.838	270	13.61	17.84	29.21	0
6/27/2018 18:00	5.925	233.6	10.87	17.73	29.23	0
6/27/2018 18:15	7.339	221.3	8.71	17.53	29.23	0
6/27/2018 18:30	7.367	226.8	8.02	17.28	29.23	0
6/27/2018 18:45	8.67	237	7.282	16.96	29.23	0
6/27/2018 19:00	8.11	234.2	9.12	16.76	29.23	0
6/27/2018 19:15	6.792	236.5	16.05	16.41	29.23	0
6/27/2018 19:30	8.61	247	6.601	16.01	29.23	0
6/27/2018 19:45	7.43	259	9.45	15.72	29.23	0

6/27/2018 20:00	8.17	263.5	12.34	15.34	29.23	0
6/27/2018 20:15	7.924	259.3	12.36	14.88	29.23	0
6/27/2018 20:30	6.302	251.1	12.9	14.59	29.23	0
6/27/2018 20:45	7.566	242.5	6.669	14.38	29.23	0
6/27/2018 21:00	5.917	243.7	6.342	14.23	29.25	0
6/27/2018 21:15	4.845	243.1	6.858	14.15	29.25	0
6/27/2018 21:30	4.785	237.2	9.17	14.1	29.25	0
6/27/2018 21:45	3.772	242.5	9.42	13.97	29.25	0
6/27/2018 22:00	3.231	245.3	5.471	13.96	29.25	0
6/27/2018 22:15	2.481	227.2	23.56	13.98	29.25	0
6/27/2018 22:30	4.493	188.4	9.48	13.86	29.25	0
6/27/2018 22:45	4.739	182.1	8.26	13.62	29.25	0
6/27/2018 23:00	5.314	183.7	9.47	13.41	29.25	0
6/27/2018 23:15	6.161	185.8	8.36	13.28	29.25	0
6/27/2018 23:30	5.806	181.8	7.673	13.1	29.25	0
6/27/2018 23:45	5.2	166.7	12.46	12.91	29.25	0
6/28/2018 0:00	5.446	143.4	7.153	12.71	29.23	0
6/28/2018 0:15	4.731	135.6	6.819	12.67	29.23	0
6/28/2018 0:30	6.387	146	5.339	12.59	29.23	0
6/28/2018 0:45	4.761	137.7	8.02	12.47	29.23	0
6/28/2018 1:00	3.866	132.5	8.63	12.39	29.23	0
6/28/2018 1:15	4.642	126.2	7.848	12.34	29.23	0
6/28/2018 1:30	4.616	132.6	6.2	12.26	29.23	0
6/28/2018 1:45	5.421	134.6	5.532	12.18	29.23	0
6/28/2018 2:00	5.125	138.5	7.364	12.13	29.25	0
6/28/2018 2:15	5.005	140.1	6.174	12.05	29.25	0
6/28/2018 2:30	3.856	124	7.07	12	29.25	0
6/28/2018 2:45	3.684	124.1	6.826	11.95	29.25	0
6/28/2018 3:00	3.098	138.2	8.93	11.91	29.23	0
6/28/2018 3:15	3.561	129.2	5.169	11.82	29.23	0
6/28/2018 3:30	3.97	134.2	12.05	11.74	29.23	0
6/28/2018 3:45	5.535	183.3	10.06	11.82	29.23	0
6/28/2018 4:00	5.898	187.3	6.49	11.76	29.26	0
6/28/2018 4:15	6.241	181.9	9.27	11.62	29.26	0
6/28/2018 4:30	6.65	192	8.15	11.52	29.26	0
6/28/2018 4:45	5.465	186.4	6.315	11.36	29.26	0
6/28/2018 5:00	4.279	194.9	11.09	11.28	29.25	0
6/28/2018 5:15	3.817	183.6	12.49	11.25	29.25	0
6/28/2018 5:30	4.305	191.5	6.917	11.29	29.25	0
6/28/2018 5:45	3.704	173.1	21.28	11.36	29.25	0
6/28/2018 6:00	3.476	150.5	16.75	11.34	29.27	0
6/28/2018 6:15	4.157	173.8	13.19	11.37	29.27	0
6/28/2018 6:30	4.265	150	13.46	11.46	29.27	0
6/28/2018 6:45	3.578	158.9	22.82	11.83	29.27	0
6/28/2018 7:00	4.164	170.3	18.43	11.89	29.27	0
6/28/2018 7:15	4.307	195	20.44	11.77	29.27	0
6/28/2018 7:30	4.727	153	25.4	12.2	29.27	0
6/28/2018 7:45	4.273	168.5	26.13	12.86	29.27	0
6/28/2018 8:00	3.676	198.6	32.36	13.28	29.28	0
6/28/2018 8:15	4.021	215.8	19.84	12.93	29.28	0
6/28/2018 8:30	4.53	225.6	13.32	13.04	29.28	0
6/28/2018 8:45	4.58	202.1	26.12	13.67	29.28	0
6/28/2018 9:00	4.951	196.5	16.77	13.87	29.27	0
6/28/2018 9:15	5.111	201.8	28.29	14.12	29.27	0
6/28/2018 9:30	3.544	217.7	42.36	14.36	29.27	0
6/28/2018 9:45	5.246	245.3	16.83	14.66	29.27	0
6/28/2018 10:00	3.862	233	42.96	15.25	29.29	0
6/28/2018 10:15	3.166	192	54.26	15.32	29.29	0
6/28/2018 10:30	2.453	198.9	61.46	15.29	29.29	0

6/28/2018 10:45	3.612	225.2	43.11	15.29	29.29	0
6/28/2018 11:00	3.091	256.6	32.81	15.3	29.29	0
6/28/2018 11:15	3.271	283.5	29.26	15.66	29.29	0
6/28/2018 11:30	2.937	283.7	35.76	15.72	29.29	0
6/28/2018 11:45	2.202	285.1	41.12	15.72	29.29	0
6/28/2018 12:00	3.232	202	28.81	15.7	29.29	0
6/28/2018 12:15	4.242	267.4	31.54	15.37	29.29	0
6/28/2018 12:30	4.536	287	15.74	15.46	29.29	0
6/28/2018 12:45	4.557	298.6	16.78	15.58	29.29	0
6/28/2018 13:00	5.78	269.1	29.55	15.68	29.27	0
6/28/2018 13:15	8.09	205.7	16.69	16.08	29.27	0
6/28/2018 13:30	6.878	241.5	27.15	16.24	29.27	0
6/28/2018 13:45	9.39	253.6	16.95	16.6	29.27	0
6/28/2018 14:00	10.96	250.4	11.93	17.06	29.27	0
6/28/2018 14:15	8.03	252.1	24.55	17.2	29.27	0
6/28/2018 14:30	8.22	239.5	22.98	17.6	29.27	0
6/28/2018 14:45	6.874	246.9	27.33	17.44	29.27	0
6/28/2018 15:00	6.726	266.7	21.34	17.74	29.29	0
6/28/2018 15:15	4.574	267.5	33.02	17.73	29.29	0
6/28/2018 15:30	7.793	284.9	24.56	18.12	29.29	0
6/28/2018 15:45	6.691	245.9	32.54	17.95	29.29	0
6/28/2018 16:00	6.145	287.7	17.39	17.65	29.26	0
6/28/2018 16:15	7.765	289.6	17.84	17.37	29.26	0
6/28/2018 16:30	6.578	314.2	11.08	17.19	29.26	0
6/28/2018 16:45	5.848	306.5	14.15	17.2	29.26	0
6/28/2018 17:00	5.996	297.6	23.03	17.14	29.28	0
6/28/2018 17:15	5.149	285	19.94	16.98	29.28	0
6/28/2018 17:30	3.237	316.4	14.1	16.72	29.28	0
6/28/2018 17:45	3.519	297.4	11.78	16.62	29.28	0
6/28/2018 18:00	3.505	299.1	12.55	16.55	29.28	0
6/28/2018 18:15	2.901	336	19.44	16.51	29.28	0
6/28/2018 18:30	3.021	12.51	7.193	16.17	29.28	0
6/28/2018 18:45	4.17	22.39	4.739	15.82	29.28	0
6/28/2018 19:00	3.04	26.99	8.87	15.67	29.27	0
6/28/2018 19:15	2.188	15.45	13.84	15.62	29.27	0
6/28/2018 19:30	1.199	5.081	12.22	15.52	29.27	0
6/28/2018 19:45	1.705	28.38	7.862	15.39	29.27	0
6/28/2018 20:00	4.197	17.91	9.08	15.01	29.29	0
6/28/2018 20:15	3.458	20.12	4.172	14.73	29.29	0
6/28/2018 20:30	3.112	9.35	10.58	14.65	29.29	0
6/28/2018 20:45	4.733	27.29	5.229	14.56	29.29	0
6/28/2018 21:00	4.916	30.66	7.498	14.47	29.28	0
6/28/2018 21:15	4.101	47.13	7.052	14.3	29.28	0
6/28/2018 21:30	4.628	43.88	8.07	14.23	29.28	0
6/28/2018 21:45	4.03	35.46	4.339	14.2	29.28	0
6/28/2018 22:00	2.982	45.2	4.942	14.11	29.28	0
6/28/2018 22:15	2	61.62	4.52	14.07	29.28	0
6/28/2018 22:30	2.549	46.63	12.39	14.01	29.28	0
6/28/2018 22:45	2.981	38.03	8.6	13.88	29.28	0
6/28/2018 23:00	4.759	32.17	7.646	13.79	29.27	0
6/28/2018 23:15	4.99	23.95	7.034	13.67	29.27	0
6/28/2018 23:30	4.035	27.65	6.178	13.58	29.27	0
6/28/2018 23:45	2.581	32.3	5.454	13.47	29.27	0
6/29/2018 0:00	2.763	43.34	6.783	13.35	29.26	0
6/29/2018 0:15	2.785	33	15.27	13.27	29.26	0
6/29/2018 0:30	3.359	22.39	4.967	13.17	29.26	0
6/29/2018 0:45	0.539	24.98	0.07	13.27	29.26	0
6/29/2018 1:00	1.754	141.5	48.1	13.51	29.28	0
6/29/2018 1:15	2.1	207.6	20.42	13.62	29.28	0

6/29/2018 1:30	1.716	217.1	12.08	13.66	29.28	0
6/29/2018 1:45	3.55	219.2	13.39	13.63	29.28	0
6/29/2018 2:00	3.429	224.9	9.79	13.47	29.3	0
6/29/2018 2:15	2.201	238.6	13.34	13.39	29.3	0
6/29/2018 2:30	0.558	288.3	8.88	13.26	29.3	0
6/29/2018 2:45	0.008	305.9	0.006	13.11	29.3	0
6/29/2018 3:00	2.062	132.1	27.34	13.03	29.3	0
6/29/2018 3:15	2.465	142.7	4.467	12.72	29.3	0
6/29/2018 3:30	2.524	171.3	9.14	12.88	29.3	0
6/29/2018 3:45	4.494	174	10.52	12.88	29.3	0
6/29/2018 4:00	5.409	191.2	37.82	12.81	29.28	0
6/29/2018 4:15	4.116	199	7.742	12.76	29.28	0
6/29/2018 4:30	4.459	196.2	6.492	12.74	29.28	0
6/29/2018 4:45	3.86	176.1	22.89	12.57	29.28	0
6/29/2018 5:00	2.575	122.5	32.1	12.39	29.3	0
6/29/2018 5:15	3.706	124.8	13.82	12.44	29.3	0
6/29/2018 5:30	5.737	143	5.67	12.57	29.3	0
6/29/2018 5:45	4.826	163.8	11.9	12.73	29.3	0
6/29/2018 6:00	5.015	171.5	18.66	12.84	29.31	0
6/29/2018 6:15	4.208	160.7	26.06	12.8	29.31	0
6/29/2018 6:30	4.416	125.8	10.67	13.02	29.31	0
6/29/2018 6:45	4.377	139.7	9.31	13.01	29.31	0
6/29/2018 7:00	5.908	136.8	11.28	13.45	29.29	0
6/29/2018 7:15	4.516	146	16.66	13.58	29.29	0
6/29/2018 7:30	4.984	158.9	21.94	13.94	29.29	0
6/29/2018 7:45	3.605	203.3	21.57	14.31	29.29	0
6/29/2018 8:00	2.595	174.4	33.35	14.6	29.31	0
6/29/2018 8:15	4.468	217	24.16	14.53	29.31	0
6/29/2018 8:30	4.157	202.1	20.4	14.76	29.31	0
6/29/2018 8:45	5.093	216.7	23.05	14.9	29.31	0
6/29/2018 9:00	5.104	191.5	24.12	15.42	29.29	0
6/29/2018 9:15	3.747	233.5	31.52	15.21	29.29	0
6/29/2018 9:30	3.088	186	42.07	16.13	29.29	0
6/29/2018 9:45	3.709	141.6	38.51	16.74	29.29	0
6/29/2018 10:00	3.106	206.1	32.61	16.7	29.29	0
6/29/2018 10:15	3.345	202.5	20.85	16.79	29.29	0
6/29/2018 10:30	4.341	208	18.04	16.82	29.29	0
6/29/2018 10:45	3.995	254.4	27.23	16.86	29.29	0
6/29/2018 11:00	5.718	279.9	12.23	16.93	29.31	0
6/29/2018 11:15	4.715	274.3	29.96	17.16	29.31	0
6/29/2018 11:30	4.467	253.6	23.73	17.31	29.31	0
6/29/2018 11:45	4.981	265	31.38	17.31	29.31	0
6/29/2018 12:00	3.681	285.6	29.35	17.48	29.3	0
6/29/2018 12:15	4.334	267.6	39.64	17.52	29.3	0
6/29/2018 12:30	5.511	253.5	15.83	17.52	29.3	0
6/29/2018 12:45	4.383	250.5	32.01	17.54	29.3	0
6/29/2018 13:00	3.255	288.6	30.43	17.87	29.32	0
6/29/2018 13:15	5.372	227.2	27.97	17.9	29.32	0
6/29/2018 13:30	4.895	248.8	21.56	18.25	29.32	0
6/29/2018 13:45	4.218	189.4	24.17	18.53	29.32	0
6/29/2018 14:00	2.554	155.8	56.19	18.61	29.31	0
6/29/2018 14:15	2.925	275.3	26.2	18.4	29.31	0
6/29/2018 14:30	3.706	273.4	18.58	18.64	29.31	0
6/29/2018 14:45	2.732	285.6	40.29	18.82	29.31	0
6/29/2018 15:00	4.29	25.53	72.8	18.8	29.31	0
6/29/2018 15:15	5.851	28.62	12.42	18.64	29.31	0
6/29/2018 15:30	6.232	22.14	10.64	18.78	29.31	0
6/29/2018 15:45	6.211	25.04	11.81	19	29.31	0
6/29/2018 16:00	6.767	28.08	12.56	19.27	29.31	0

6/29/2018 16:15	6.683	21.98	8.82	19.06	29.31	0
6/29/2018 16:30	7.599	26.96	7.743	18.78	29.31	0
6/29/2018 16:45	7.668	22.38	9.51	18.96	29.31	0
6/29/2018 17:00	6.528	18.83	7.58	18.96	29.3	0
6/29/2018 17:15	5.946	23.84	6.284	18.73	29.3	0
6/29/2018 17:30	5.018	25.59	9.91	18.64	29.3	0
6/29/2018 17:45	5.625	28.47	7.55	18.46	29.3	0
6/29/2018 18:00	6.016	23.98	7.588	18.3	29.3	0
6/29/2018 18:15	5.098	24.22	6.071	18.12	29.3	0
6/29/2018 18:30	4.432	24.02	6.242	18	29.3	0
6/29/2018 18:45	4.251	29.19	5.927	17.9	29.3	0
6/29/2018 19:00	6.44	27.83	7.712	17.63	29.32	0
6/29/2018 19:15	6.079	22.73	7.082	17.5	29.32	0
6/29/2018 19:30	5.115	20.59	5.739	17.46	29.32	0
6/29/2018 19:45	4.958	22.74	5.374	17.33	29.32	0
6/29/2018 20:00	4.804	18.83	4.959	17.16	29.33	0
6/29/2018 20:15	4.517	25.35	5.289	16.99	29.33	0
6/29/2018 20:30	4.33	33.27	8.08	16.61	29.33	0
6/29/2018 20:45	3.48	39.8	3.239	16.7	29.33	0
6/29/2018 21:00	4.434	43.54	5.157	16.69	29.32	0
6/29/2018 21:15	4.176	38.15	7.736	16.7	29.32	0
6/29/2018 21:30	2.687	47.37	1.016	16.69	29.32	0
6/29/2018 21:45	1.583	51.92	3.775	16.61	29.32	0
6/29/2018 22:00	0.026	55.92	0.011	16.57	29.36	0
6/29/2018 22:15	0.148	55.9	0.017	16.68	29.36	0
6/29/2018 22:30	1.123	55.89	0.133	16.57	29.36	0
6/29/2018 22:45	0.49	51.15	1.593	16.59	29.36	0
6/29/2018 23:00	1.091	50.25	0.16	16.29	29.36	0
6/29/2018 23:15	0.69	50.24	0.18	16.12	29.36	0
6/29/2018 23:30	1.342	50.24	0.078	16.06	29.36	0
6/29/2018 23:45	1.342	50.2	0.11	15.79	29.36	0
6/30/2018 0:00	1.602	50.18	0.071	15.98	29.34	0
6/30/2018 0:15	0.508	50.2	0.076	16.04	29.34	0
6/30/2018 0:30	0.317	52.58	3.311	16.03	29.34	0
6/30/2018 0:45	1.389	132.6	25.46	15.69	29.34	0
6/30/2018 1:00	2.535	161.3	8.36	15.64	29.36	0
6/30/2018 1:15	2.672	168.2	7.757	15.54	29.36	0
6/30/2018 1:30	3.228	169.2	9.52	15.16	29.36	0
6/30/2018 1:45	4.572	173.1	6.969	14.84	29.36	0
6/30/2018 2:00	4.711	182.9	15.88	14.88	29.36	0
6/30/2018 2:15	4.32	163.1	8.13	14.54	29.36	0
6/30/2018 2:30	4.85	180.7	4.79	14.69	29.36	0
6/30/2018 2:45	3.627	157.8	16.46	14.49	29.36	0
6/30/2018 3:00	4.474	151.3	8.95	14.35	29.35	0
6/30/2018 3:15	5.598	190.7	8.72	14.51	29.35	0
6/30/2018 3:30	5.302	199.8	7.341	14.51	29.35	0
6/30/2018 3:45	5.164	189.8	8.48	14.34	29.35	0
6/30/2018 4:00	6.378	193.2	9.66	14.16	29.36	0
6/30/2018 4:15	5.827	213.8	10.59	14.12	29.36	0
6/30/2018 4:30	6.494	211.7	11.07	13.93	29.36	0
6/30/2018 4:45	6.186	195.3	7.457	13.7	29.36	0
6/30/2018 5:00	6.306	193.7	9.91	13.65	29.36	0
6/30/2018 5:15	6.505	183.8	26.73	13.47	29.36	0
6/30/2018 5:30	2.339	4.608	15.96	13.43	29.36	0
6/30/2018 5:45	2.655	339.1	30.27	13.36	29.36	0
6/30/2018 6:00	2.966	358.2	64.84	13.32	29.38	0
6/30/2018 6:15	5.66	179.3	18.75	13.25	29.38	0
6/30/2018 6:30	4.138	171.1	15.01	13.12	29.38	0
6/30/2018 6:45	6.058	188.7	16.9	13.08	29.38	0

6/30/2018 7:00	4.582	180.9	13.65	13.07	29.39	0
6/30/2018 7:15	5.229	180.2	7.075	12.84	29.39	0
6/30/2018 7:30	4.974	170.5	19.96	12.93	29.39	0
6/30/2018 7:45	4.835	163.6	18.3	13	29.39	0
6/30/2018 8:00	5.527	155.3	15.05	13.08	29.4	0
6/30/2018 8:15	5.744	178.5	12.01	13.27	29.4	0
6/30/2018 8:30	6.012	164.3	14.07	13.6	29.4	0
6/30/2018 8:45	5.726	150.3	18.26	13.76	29.4	0
6/30/2018 9:00	6.515	157	18.49	13.8	29.4	0
6/30/2018 9:15	7.919	183.9	11.15	13.77	29.4	0
6/30/2018 9:30	7.961	181.1	12.51	13.84	29.4	0
6/30/2018 9:45	6.349	153.9	14.83	14.15	29.4	0
6/30/2018 10:00	7.538	148.8	15.91	14.18	29.4	0
6/30/2018 10:15	8.62	149.5	14.41	14.21	29.4	0
6/30/2018 10:30	7.146	135.2	12.9	14.31	29.4	0
6/30/2018 10:45	6.308	139.8	13.26	14.64	29.4	0
6/30/2018 11:00	5.858	131.6	11.97	14.7	29.39	0
6/30/2018 11:15	6.549	135.3	13.44	14.81	29.39	0
6/30/2018 11:30	6.784	135.4	12.11	15	29.39	0
6/30/2018 11:45	5.354	124.9	12.17	15.29	29.39	0
6/30/2018 12:00	5.586	116.3	12.8	15.39	29.37	0
6/30/2018 12:15	5.281	158.6	15.39	15.45	29.37	0
6/30/2018 12:30	7.751	179	24.06	15.62	29.37	0
6/30/2018 12:45	8.42	202.9	10.58	15.99	29.37	0
6/30/2018 13:00	6.964	180.2	14.78	15.98	29.39	0
6/30/2018 13:15	4.565	185.4	27.43	15.54	29.39	0
6/30/2018 13:30	3.327	160.8	23.85	15.08	29.39	0
6/30/2018 13:45	2.884	104.1	14.06	14.75	29.39	0.01
6/30/2018 14:00	3.77	120.7	10.51	14.6	29.38	0.01
6/30/2018 14:15	4.773	127.4	7.005	14.36	29.38	0.01
6/30/2018 14:30	3.423	120.7	9.31	14.24	29.38	0.01
6/30/2018 14:45	1.54	105.4	8.4	14.24	29.38	0.01
6/30/2018 15:00	1.888	80.3	2.18	14.32	29.37	0
6/30/2018 15:15	1.99	86.2	9.71	14.42	29.37	0
6/30/2018 15:30	3.118	102.6	6.004	14.61	29.37	0
6/30/2018 15:45	3.866	88.8	6.564	14.52	29.37	0
6/30/2018 16:00	4.496	95.3	9.86	14.52	29.35	0
6/30/2018 16:15	2.088	94.3	7.072	14.56	29.35	0
6/30/2018 16:30	1.491	106.1	17.18	14.74	29.35	0
6/30/2018 16:45	2.837	165.8	27.33	15.07	29.35	0
6/30/2018 17:00	4.795	220.2	14.07	15.29	29.36	0
6/30/2018 17:15	5.662	230.5	11.46	15.74	29.36	0
6/30/2018 17:30	3.589	228	9.02	15.83	29.36	0
6/30/2018 17:45	8.92	224.6	10.71	15.94	29.36	0
6/30/2018 18:00	9.77	224.2	8.7	15.83	29.36	0
6/30/2018 18:15	11.38	215.3	8.21	15.69	29.36	0
6/30/2018 18:30	10.5	220.6	10.68	15.7	29.36	0
6/30/2018 18:45	10.23	221.4	9.25	15.7	29.36	0
6/30/2018 19:00	8.85	220.2	8.71	15.68	29.35	0
6/30/2018 19:15	10.67	215	8.78	15.56	29.35	0
6/30/2018 19:30	11.78	214.7	8.63	15.26	29.35	0
6/30/2018 19:45	10.61	225.9	8.16	14.97	29.35	0
6/30/2018 20:00	7.346	254.8	28.02	14.78	29.37	0
6/30/2018 20:15	8.25	261.4	15.94	14.68	29.37	0
6/30/2018 20:30	3.409	278.6	21.27	14.64	29.37	0
6/30/2018 20:45	9.71	221.3	22.55	14.62	29.37	0
6/30/2018 21:00	11.02	224.9	7.303	14.59	29.37	0
6/30/2018 21:15	10.78	222.5	8.15	14.45	29.37	0
6/30/2018 21:30	9.93	219.2	7.662	14.33	29.37	0

6/30/2018 21:45	8.99	219.9	14.31	14.23	29.37	0
6/30/2018 22:00	9.25	226.7	10	14.05	29.37	0
6/30/2018 22:15	7.729	217.2	7.823	14.01	29.37	0
6/30/2018 22:30	7.479	216	11.05	14.08	29.37	0
6/30/2018 22:45	7.573	216.1	8.64	14.04	29.37	0
6/30/2018 23:00	7.066	204.4	8.6	14	29.38	0
6/30/2018 23:15	5.129	204.1	8.8	13.98	29.38	0
6/30/2018 23:30	4.254	198.8	9.01	13.92	29.38	0
6/30/2018 23:45	2.545	199.9	9.48	13.92	29.38	0

APPENDIX D

Area 5 Top Deck Report

CEDAR HILLS REGIONAL LANDFILL AREA 5 TOP DECK MONITORING REPORT

Second Quarter 2018



Department of Natural Resources and Parks
Solid Waste Division

August 2018
Printed on recycled paper

Contents

I. REPORT OVERVIEW.....	1
II. LEACHATE MONITORING	1
III. SURFACE MONITORING.....	3
IV. STORMWATER SAMPLING.....	4
V. CONCLUSION	4

Tables

Table 1 Cedar Hills Regional Landfill Leachate Production for Second Quarter of 2018.....	2
---	---

Appendices

Inspection Reports	Appendix A
Gas Monitoring Reports.....	Appendix B

**AREA 5 TOP DECK MONITORING
QUARTERLY REPORT**

SECOND QUARTER 2018

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 SECOND QUARTER of 2018**

Year	Leachate	Surface Area of Refuse	Refuse In Place	Precipitation	Flow			
					(MG/yr)	(Acres)	(lbs)	(in/yr)
1986	163.03	138.5	11,328,841,100	54.79	1,177,112	21,484	0.0144	0.00026
1987	139.53	138.5	12,927,926,300	39.6	1,007,422	25,440	0.0108	0.00027
1988	169.67	161.9	14,525,504,000	48.63	1,048,009	21,551	0.0117	0.00024
1989	176	161.9	16,203,204,000	44.12	1,087,110	24,640	0.0109	0.00025
1990	294.75	161.9	17,965,254,000	71.6	1,820,594	25,427	0.0164	0.00023
1991	224.27	221.4	19,778,412,000	45.85	1,012,967	22,093	0.0113	0.00025
1992	156.46	221.4	21,454,600,000	38.64	706,694	18,289	0.0073	0.00019
1993	150.83	221.4	23,051,348,000	35.01	681,264	19,459	0.0065	0.00019
1994	159.8	221.4	24,657,528,000	38.55	721,764	18,723	0.0065	0.00017
1995	201.11	221.4	26,294,654,000	48.4	908,376	18,768	0.0076	0.00016
1996	243.03	221.4	27,946,704,000	57.08	1,097,714	19,231	0.0087	0.00015
1997	239.23	221.4	29,665,380,000	57.24	1,080,511	18,877	0.0081	0.00014
1998	202.8	221.4	31,432,828,000	42.82	916,006	21,392	0.0065	0.00015
1999	219.15	283.42	33,273,828,000	45.9	773,229	16,848	0.0066	0.00014
2000	148.82	283.42	35,167,828,000	33.15	525,102	15,840	0.0042	0.00013
2001	174.08	283.42	37,041,828,000	47.28	614,194	12,991	0.0047	0.0001
2002	133.4	283.42	38,919,828,000	35.13	470,690	13,399	0.0034	0.0001
2003	181.6	283.42	40,877,828,000	46.39	640,761	13,812	0.0044	0.0001
2004	185.72	328.72	42,889,828,000	34.08	564,983	16,578	0.0043	0.00013
2005	175.31	328.72	44,867,538,000	40.75	533,313	13,087	0.0039	0.0001
2006	264.95	328.72	46,820,938,000	52.94	806,009	15,225	0.0057	0.00011
2007	161.48	328.72	47,129,756,000	38.68	491,239	16,143	0.0034	0.000112
2008	126.02	328.72	48,990,990,000	42.32	383,366	9,059	0.0026	0.00006
2009	172.16	328.72	49,414,219,997	42.42	523,741	12,347	0.0035	0.00008
2010	199.4	335.72	51,076,043,997	49.25	593,959	12,060	0.0039	0.00008
2011	180.2	353.12*	52,701,411,694	51.05	510,308	9,996	0.0034	0.00007
2012	202.3	353.12*	54,315,239,773	58.16	572,972	9,852	0.0037	0.00006
2013	156.4	353.12*	55,933,569,773	47.77	442,923	9,272	0.0028	0.00006
2014	189.14	353.12*	57,638,062,970	64.07	535,631	8,360	0.0033	0.00005
2015	176.26	353.12*	59,401,111,988	51.39	499,159	9,713	0.0030	0.00006
2016	180.32	353.12*	61,277,452,914	51.43	510,659	9,929	0.0029	0.00006
2017	218.18	353.12*	63,183,738,844	57.54	617,853	10,738	0.0035	0.00006
2018	114.31	353.12*	64,087,654,634	26.82	323,702	12,069	0.0018	0.00007

2018: Precipitation, leachate and refuse in place through Second Quarter of 2018

* 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 second quarter of 2018 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 second quarter of 2018, KCSWD staff performed monthly Landfill Facility Site Inspections. These inspections are also included in Appendix A. During the second quarter, erosion control measures continued to be implemented and/or maintained to mitigate runoff effects from on-going construction activities at the landfill.

In addition to KCSWD inspections, inspections were performed monthly by Public Health – Seattle & King County (PHSKC) this quarter. Inspections by PHSKC occurred on April 25, May 16, and June 27, 2018. The inspection reports can be viewed in Appendix A.

Air Quality Criteria

Each quarter, surface emission monitoring is conducted across the Area 5 Top Deck and its side slopes to verify that methane gas emissions are below regulatory criteria. The second quarter of 2018 surface emission monitoring was conducted from June 14 through June 26, 2018. There were no exceedances of regulatory criteria observed during the Serpentine Walk.

The results from the second quarter of 2018 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 second quarter of 2018 by KCSWD staff, or by PHSKC personnel.

Settlement Monitoring

Settlement of Area 5 is evaluated both through visual inspections and through topographic surveys at control points on the top deck. Due to the preparation work for the closure of Area 7 and the opening on Area 8, all previously surveyed control points in Area 5 have now been covered. New locations are currently being evaluated as survey control points in order to continue settlement monitoring within Area 5.

IV. STORMWATER SAMPLING

Collection of Samples

No samples were collected from the Area 5 Top Deck stormwater monitoring stations SW-TD1, SW-TD2, SW-TD4, and SW-TD6 during the second quarter of 2018. This was due to a multiple factors including low precipitation throughout the latter half of second quarter. Therefore, no comparisons can be made with the surface water or leachate sample data, nor can a review be performed for evaluating the runoff from Area 5 for the second quarter of 2018.

V. CONCLUSION

Stormwater samples for the Area 5 Top Deck were unable to be collected during the second quarter of 2018 due to multiple factors, including lack of sufficient precipitation during the latter half of the quarter. This observation was in line with the overall regional precipitation levels for the quarter, which were substantially lower than historical levels in May and June. Therefore, no determinations can be made regarding Area 5's second quarter 2018 stormwater runoff with respect to exceedances of water quality criteria or benchmarks, nor can comparisons be made with background surface water flow (from SW-S1), and leachate effluent (from LS-API).

The inspection reports for the second quarter of 2018 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 settlement survey data for second quarter of 2018. 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.

Appendix A: Inspection Reports

SOLID WASTE DIVISION

Landfill Facility Site Inspections

Type – Permit Compliance

Inspected By: Stevn Larry

Date: 4-09-2018

Location: Cedar Hills

Ambient Temperature (°F) 43

Weather Condition: Rain

ACTION CODES

A. Gas System		OK	Not OK	B. Leachate System		OK	Not OK	C. Landfill Operations		OK	Not OK
1. Pipe Penetrations		X		1. Pump Stations		X		1. Fueling Stations		X	
2. Collection Piping		X		2. Aeration Lagoons / Basins		X		2. Vehicle Wash Stations		X	
3. Gas Extraction Wells		X		3. Aerators		X		3. Equipment		X	
4. Valve Stations		X		4. Weeps (strip drains)		X		4. Perimeter Fences		X	
5. Odor		X		5. Collection System		X		5. Vegetation		X	
6. Flare Stations		X		a. Collection Pipes		X		6. Landfill Cover		X	
7. Air Compressors		X		b. Forcemains		X		7. Drain Rock		X	
8. Noise Control		X		c. Manholes		X		9. Air Quality		X	
				d. Cleanouts							
D. Stormwater System				6. Generators		X		11. Vectors		X	
1. Ponds		X		7. Extraction Wells		X		12. Litter		X	
2. CB / Control Structures		X		8. Valve / Cleanout		X		13. Dust control		X	
3. Pipes / Culverts		X		9. Groundwater Extraction Wells		X		14. Other		X	
4. Trash Racks		X									
5. Ditches		X		E. Roadway System				Cover System / ESC			
6. Runoff Control Berms		X		1. Road Sweeping		X		F. Vegetation			
7. Discharge Points		X		2. Access Roads		X		1. Refuse		X	
8. General		X		3. Road Erosion		X		2. Cover Erosion		X	
				4. Road Pavement		X		3. Silt Fences/Filter Fabric		X	
				5. Lane Striping		X					
G. Operations											
1. Records Obtain / Review		X									

Item No.	Action Code(s)	Area Code(s) (See below or over for map)		Status			State Reason if "Fair or Poor"	Date Corrective Action
		Area	Map	G	F	P		
1	D7	B3			X		North Siltation Pond is turbid, but inflows are below 25 NTUs. My theory is that the pond is beyond its sediment holding capacity. All cells of the pond are silty and the curtain has no effect. Contractor is to clean the pond during this summer's dry period.	
2	E3	G, (4,5)			X		The rock check dams behind the Operator's trailer that flow behind BEW have been blown out during the last rain event and require repair.	
3	C1	G5			X		Rain flaps over fuel tanks are breaking free. A work order has been placed to make repairs.	

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

1. *Regulatory Priority* - permit, regulations & code & compliance driven.
2. *Safety Priority* – potential to adversely affect the safety of workers or the related environment.
3. *Maintenance Priority* – Ensures continuation of existing level of facility operations to ensure proper efficiency without interruption. This priority has the following four potential levels
 - a. *Emergency* - stops the continuing operation of the facility
 - b. *Urgent* – While not completely prohibiting continuing use of the facility, may threaten use of entire facility or continuing use may result in significant & extensive repair of facility.
 - c. *Routine* – need to be completed & not necessarily. May be completed under existing operations preventative programs.
 - d. *Deferred* – desirable but not required to maintain status quo operations (e.g., planting or wild life enhancement projects etc.)

Overall site description, day of site inspection: The landfill is in good condition. Heavy rains have blown out some of the rock check dams behind the equipment operator's trailer that run behind BEW. The rock checks require repair. Truck drivers are by-passing the wheel wash and are dragging sediment onto the paved road surfaces, during rains the sediment is washed into the conveyance ditches that run to the north. The results have overloaded the North Siltation pond. The North Siltation Pond has reached its sediment carrying capacity. All cells of the pond remain turbid and the pond does not clear up even days after heavy rains. The south stormwater ponds are turbid, but the water clarification system is being operated to bring the NTU count below 25 NTUs before it is discharge into the rapid sand filter and released into the wetlands. Photos taken during the site inspection can be seen at:

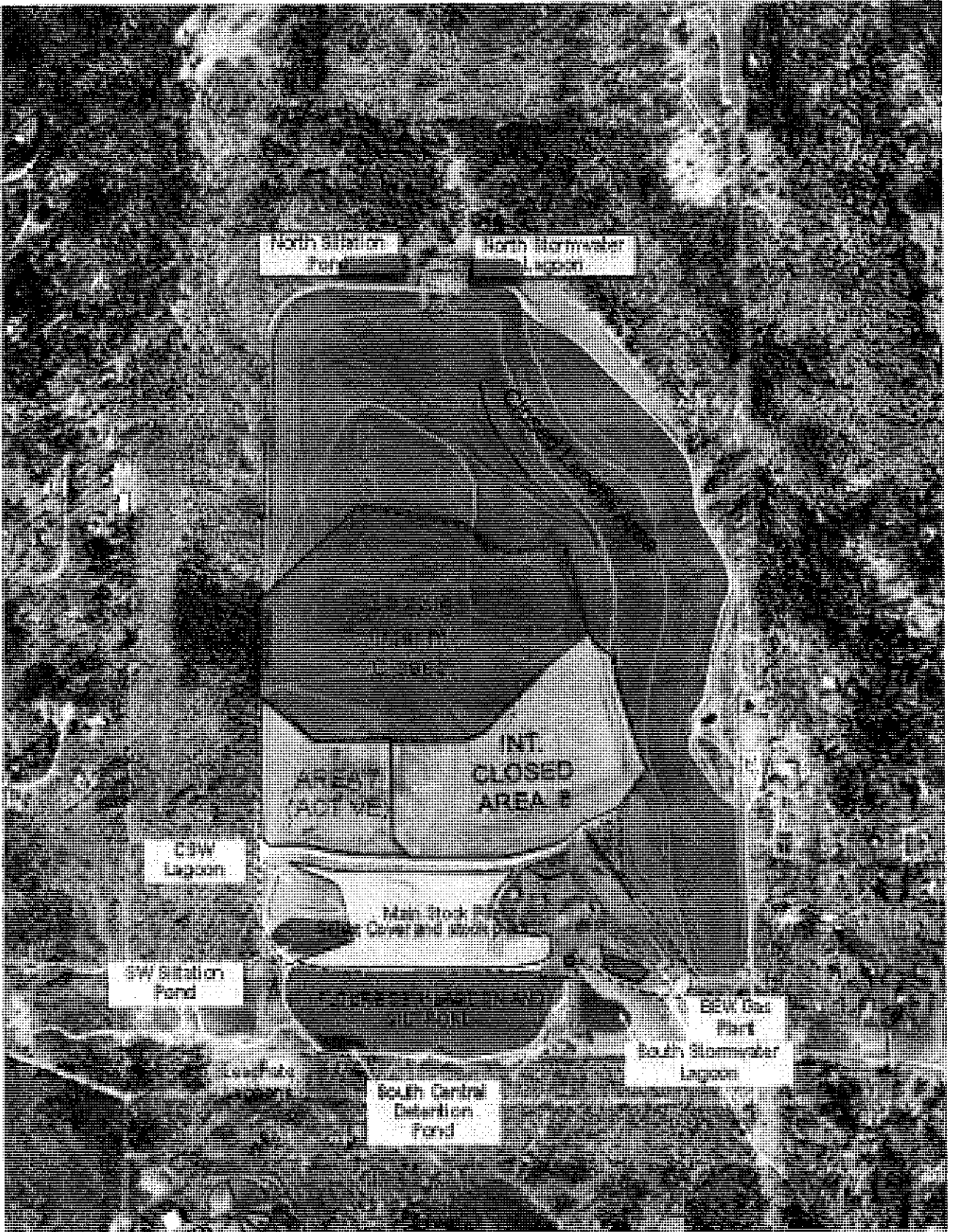
P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 18\4 Apr\April Stormwater Inspection Images

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

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

A
B
C
D
E
F
G
H



SOLID WASTE DIVISION

Landfill Facility Site Inspections

Type – Permit Compliance

Inspected By: Nina Wester/Stevn Larry

Date: 5/31/18

Location: CEDAR HILLS Ambient Temperature (°F) 50 Weather Condition: OVERCAST

ACTION CODES

A. Gas System		OK	Not OK	B. Leachate System		OK	Not OK	C. Landfill Operations		OK	Not OK
1. Pipe Penetrations			X	1. Pump Stations				1. Fueling Stations			
2. Collection Piping			X	2. Aeration Lagoons / Basins				2. Vehicle Wash Stations	X		
3. Gas Extraction Wells				3. Aerators				3. Equipment			
4. Valve Stations				4. Weeps (strip drains)				4. Perimeter Fences			
5. Odor				5. Collection System			X	5. Vegetation			
6. Flare Stations				a. Collection Pipes				6. Landfill Cover			X
7. Air Compressors				b. Forcemains				7. Drain Rock			
8. Noise Control				c. Manholes				9. Air Quality			
				d. Cleanouts				10. Stockpiles			
D. Stormwater System				6. Generators				11. Vectors			
1. Ponds				7. Extraction Wells				12. Litter			
2. CB / Control Structures	X			8. Valve / Cleanout				13. Dust control			
3. Pipes / Culverts				9. Groundwater Extraction Wells				14. Other	X		
4. Trash Racks											
5. Ditches			X	E. Roadway System				Cover System / ESC			
6. Runoff Control Berms				1. Road Sweeping				F. Vegetation			
7. Discharge Points				2. Access Roads				1. Refuse			
8. General				3. Road Erosion				2. Cover Erosion			
				4. Road Pavement				3. Silt Fences/Filter Fabric			
				5. Lane Striping							
G. Operations											
1. Records Obtain / Review											

Item No.	Action Code(s)	Area Code(s) (See below or over for map) Area Map		Status			State Reason if "Fair or Poor"	Date Corrective Action Implemented
				G	F	P		
1	A1	F (2,3)				X	Pipe penetration leaking leachate into stormwater ditch.	
2	D5	F (2,3)				X	Sediment starting to accumulate in stormwater ditch. Needs removal.	
3	D5	F (2)				X	Stormwater ditch contains leachate and is short-circuiting.	
4	D2	F (5)				X	Trash rack (located behind operator's new trailer) on control structure needs clearing.	
5	B5	F (4)				X	Trailer deadline washout rack berm needs repair.	
6	D5	F (5)				X	Stormwater ditch located behind Operator's trailer and BEW needs mud removal.	
7	D5	F (2,3)				X	West side Area 7 SW ditch contains leachate that needs repair	

8	A2	F (2,3)				X	Gas collection pipe in West side Area 7 not connected to header. Is leaking leachate into stormwater ditch
9	C6	F (3)				X	Liner break located on SW corner of Area 7
10	D5	G (2,3)			X		Rock checks next to South ponds need silt removal
11	D1	H (3)			X		Sandfilter top layer needs silt removal
12	C2	G (5)			X		Truckwash bay walls need to be cleaned
13	C14	E (6)			X		Fire suppression water tower needs exterior cleaning

AREA CODES (for Cedar Hills)

East Main Hill = EMH
 Southwest Main Hill = SWMH
 Southeast Pit Area = SEPA
 Central Pit = CP

G = Good

Area 2/3 = A2/3
 Area 4 = A4
 Stockpile = SP

F = Fair

Aeration Ponds = AP
 So. Solid Waste Area = SSWA
 North Flare Station = NFS

P = Poor

Area 5 = A5
 Area 6 = A6
 Area 7 = A7

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

1. *Regulatory Priority* - permit, regulations & code & compliance driven.
2. *Safety Priority* – potential to adversely affect the safety of workers or the related environment.
3. *Maintenance Priority* – Ensures continuation of existing level of facility operations to ensure proper efficiency without interruption. This priority has the following four potential levels
 - a. *Emergency* - stops the continuing operation of the facility
 - b. *Urgent* – While not completely prohibiting continuing use of the facility, may threaten use of entire facility or continuing use may results in significant & extensive repair of facility.
 - c. *Routine* – need to be completed & not necessarily. May be completed under existing operations preventative programs.
 - d. *Deferred* – desirable but not required to maintain status quo operations (e.g., planting or wild life enhancement projects etc.)

Overall site description day of site inspection: Overall, the site is well-maintained but there are areas of improvement that are needed. Area 7 stormwater ditches need attention. There are places where leachate is entering stormwater ditches in Area 7. Generally there were a number of places where the stormwater ditches needed sediment and refuse removal.

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

INSPECTOR / QUALIFIED PERSONNEL

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

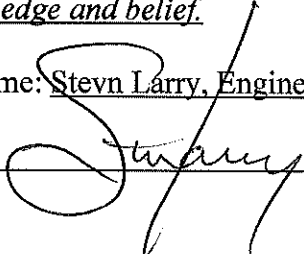
The site is in compliance with the terms and conditions of the SWPPP and the ISGP.

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

* Immediately notify Environmental Compliance Coordinator

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

Printed name: Stevn Larry, Engineer II

Signature: 

Date: 5/31/2018

DULY AUTHORIZED REPRESENTATIVE

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


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

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

* Immediately notify Environmental Compliance Coordinator

I certify under penalty of law that this SWPPP and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate information to determine compliance with the Industrial Stormwater General Permit. Based on my inquiry of the person or persons who are responsible for stormwater management at my facility, this SWPPP is, to the best of my knowledge and belief, true, accurate, and complete, and in full compliance with Permit Conditions S3 and S8, including the correct Best Management Practices from the applicable Stormwater Management Manual. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed name: Bill Berni, Operations Manager

Signature: 

Date: 5/31/18

1

2

3

4

5

6

7

A

B

C

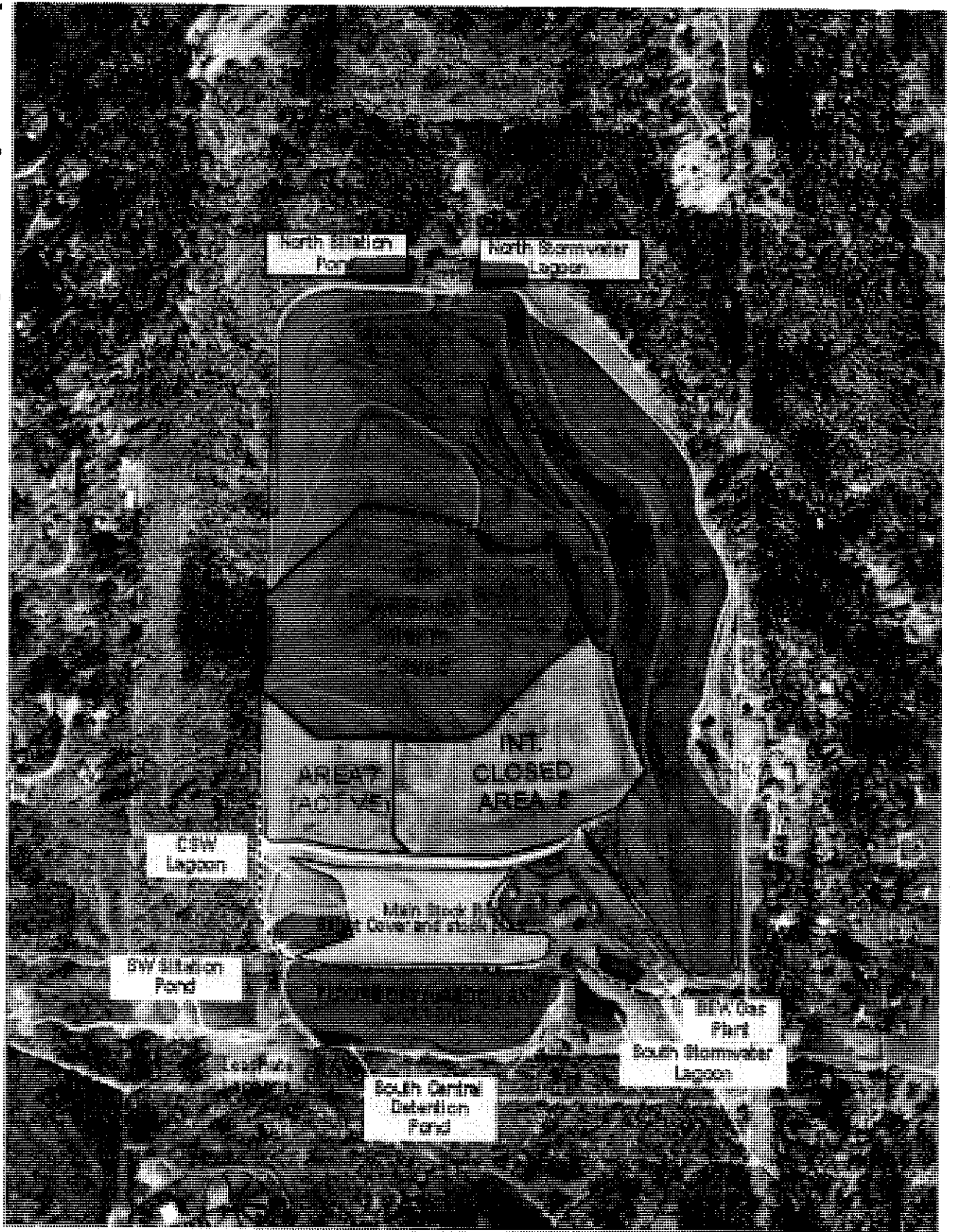
D

E

F

G

H



SOLID WASTE DIVISION

Landfill Facility Site Inspections

Type – Permit Compliance

Inspected By: Nina Wester/ Dan Cheney/ Sterling Bath/ Stevn Larry

Date: 6/29/18

Location: CEDAR HILLS _____ Ambient Temperature (°F) 50 _____ Weather Condition: OVERCAST _____

ACTION CODES

A. Gas System		OK	Not OK	B. Leachate System		OK	Not OK	C. Landfill Operations		OK	Not OK
1. Pipe Penetrations			X	1. Pump Stations				1. Fueling Stations	X		
2. Collection Piping			X	2. Aeration Lagoons / Basins				2. Vehicle Wash Stations			
3. Gas Extraction Wells				3. Aerators				3. Equipment			
4. Valve Stations				4. Weeps (strip drains)				4. Perimeter Fences			
5. Odor				5. Collection System	X	X		5. Vegetation			
6. Flare Stations				a. Collection Pipes				6. Landfill Cover		X	
7. Air Compressors				b. Forcemains				7. Drain Rock			
8. Noise Control				c. Manholes				9. Air Quality			
				d. Cleanouts				10. Stockpiles			
D. Stormwater System				6. Generators				11. Vectors			
1. Ponds				7. Extraction Wells				12. Litter	X		
2. CB / Control Structures	X			8. Valve / Cleanout				13. Dust control			
3. Pipes / Culverts				9. Groundwater Extraction Wells				14. Other			
4. Trash Racks											
5. Ditches			X	E. Roadway System				Cover System / ESC			
6. Runoff Control Berms				1. Road Sweeping				F. Vegetation			
7. Discharge Points				2. Access Roads				1. Refuse			
8. General				3. Road Erosion				2. Cover Erosion			
				4. Road Pavement				3. Silt Fences/Filter Fabric			
G. Operations				5. Lane Striping							
1. Records Obtain / Review											

Item No.	Action Code(s)	Area Code(s) (See below or over for map)		Status			State Reason if "Fair or Poor"	Date Corrective Action Implemented
		Area	Map	G	F	P		
1	A1	F (2,3)				X	Pipe penetration leaking leachate into stormwater ditch at the base of the energy dissipater.	
2	D5	F (5)			X		Sediment accumulate in stormwater ditch by the Equipment Operators Trailer. Needs removal.	
3	B5	F (4)			X		Trailer deadline washout rack berm needs repair.	
4	D5	F (2,3)				X	West side Area 7 SW ditch contains leachate that needs repair.	
5	D1	H (3)			X		Sandfilter top layer needs silt removal.	

6	C2	G (5)			X		Truckwash bay walls need to be cleaned.	
7	C14	E (6)			X		Fire suppression water tower needs exterior cleaning	
8	C12	G 5			X		Accumulating litter behind truck deadline	

AREA CODES (for Cedar Hills)

G = Good

F = Fair

P = Poor

East Main Hill = EMH
 Southwest Main Hill = SWMH
 Southeast Pit Area = SEPA
 Central Pit = CP

Area 2/3 = A2/3
 Area 4 = A4
 Stockpile = SP

Aeration Ponds = AP
 So. Solid Waste Area = SSWA
 North Flare Station = NFS

Area 5 = A5
 Area 6 = A6
 Area 7 = A7

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

1. *Regulatory Priority* - permit, regulations & code & compliance driven.
2. *Safety Priority* – potential to adversely affect the safety of workers or the related environment.
3. *Maintenance Priority* – Ensures continuation of existing level of facility operations to ensure proper efficiency without interruption. This priority has the following four potential levels
 - a. *Emergency* - stops the continuing operation of the facility
 - b. *Urgent* – While not completely prohibiting continuing use of the facility, may threaten use of entire facility or continuing use may results in significant & extensive repair of facility.
 - c. *Routine* – need to be completed & not necessarily. May be completed under existing operations preventative programs.
 - d. *Deferred* – desirable but not required to maintain status quo operations (e.g., planting or wild life enhancement projects etc.)

Overall site description day of site inspection: There are areas of improvement that are needed. 1) Area 7 green cover liner, (south side), needs debris clearing. 2) The stormwater ditches along the west side top of Area 7 need attention. Generally there were a number of places where the stormwater ditches contained spilled leachate that collected under the clear plastic erosion liner. 3)The leachate spills at the toe of Area 7 have been cleaned, but the ridged pipe that will replace the flex pipe draining the bubble by the CSW pipes has not been installed yet. 4) The oily towel can at the truck wash has been emptied. 5) There is a plastic electrical handhold cover that has been crushed that is located along the south wall of the truck wash that requires replacement to prevent accidental electrical shock 6) The storm drains around the backside of the Shops Building need maintenance, several drain line are blocked and the inlet socks require replacing. 7) Cover system construction debris needs removing all around Area 7. 8) Blown litter starting to accumulated behind the truck deadline behind the Shops building. 9) Built up sediment in the stormwater ditch behind the Equipment Operators trailer needs removing. Building Maintenance Needs: Exterior painting on the Shops Building, (east facing), is needed to the siding and duct covers. The tire shop bay has non-working lighting (East side).

Photos and their description taken during the site inspection can be located at:P:\SWPublic\CHL_Public\CH Monthly Site Inspections\SW Inspections\SW Inspection 18\6 June

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

INSPECTOR / QUALIFIED PERSONNEL

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

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

* Immediately notify Environmental Compliance Coordinator

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

Printed name: Stevn Larry, Engineer II

Signature: 

Date: 6/29/18

DULY AUTHORIZED REPRESENTATIVE

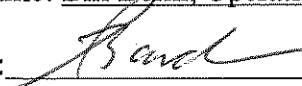
Based on professional judgment, which of the following statements is true: (select one)

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

* Immediately notify Environmental Compliance Coordinator

I certify under penalty of law that this SWPPP and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate information to determine compliance with the Industrial Stormwater General Permit. Based on my inquiry of the person or persons who are responsible for stormwater management at my facility, this SWPPP is, to the best of my knowledge and belief, true, accurate, and complete, and in full compliance with Permit Conditions S3 and S8, including the correct Best Management Practices from the applicable Stormwater Management Manual. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed name: Bill Berni, Operations Manager

Signature: 

Date: 6/29/18

1

2

3

4

5

6

7

A

B

C

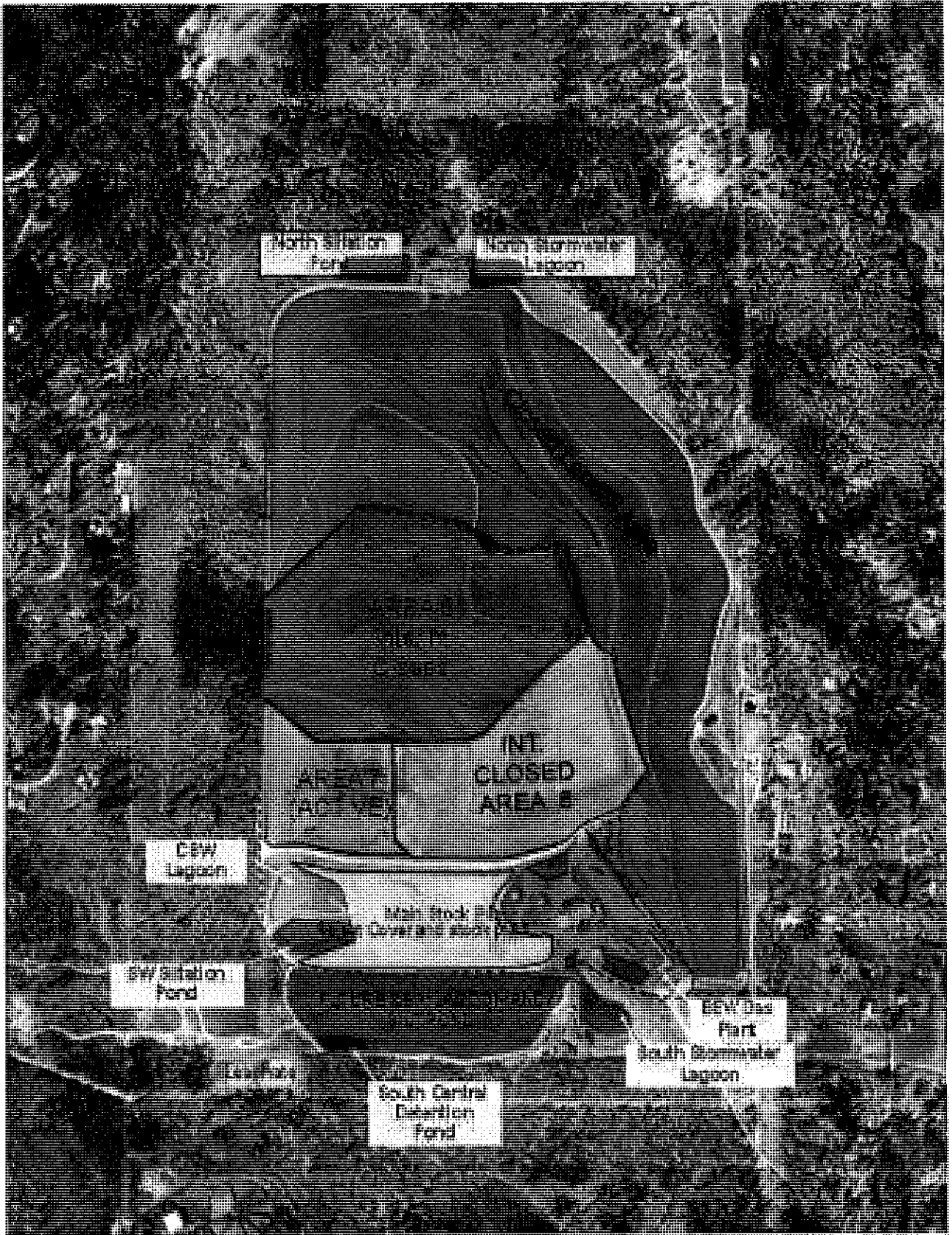
D

E

F

G

H



SOLID WASTE INSPECTION REPORT

PUBLIC HEALTH - SEATTLE & KING COUNTY Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	PURPOSE OF VISIT: Routine Inspection/Field Review of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: CEDAR HILLS SANITARY LAND CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 Program Record: PR0015736	INSPECTION INFORMATION: Date of Inspection: Wednesday, April 25, 2018 Time In: 12:20 pm Time Out: 1:25 pm Inspector: Darshan Dhillon Result: COMPLETE

VIOLATIONS OBSERVED (if any)

OVERALL INSPECTION COMMENTS:

ACTIONS AND RECOMMENDATIONS:

1.1 Ensure that all workers wear required PPE while working around the earth moving machinery. A county employee was standing in front of an operating excavator and was not wearing hard hat.

OBSERVATIONS

- 2.1 Daily inspection records were maintained.
- 2.2 Safety procedures and manuals were kept on site for reference.
- 2.3 Records of rejected loads and items were kept up-to-date. A photo copy of last month's records received from the operator.
- 2.4 Storm water treatment system was functioning at the time of inspection.
- 2.5 West leachate lagoon was being emptied out and sludge was being removed.
- 2.6 All groundwater monitoring wells were secured by padlocks.
- 2.7 Access to the property has been controlled by a perimeter fencing and it appears to be in good repair.
- 2.8 Weather was sunny and Scarcella contractors were excavating the remaining part of the area 8. Still 117,000 cubic Yard of soil needs to be removed.
- 2.9 Dust was kept under control.
- 2.10 Workers were fixing the leaking LFG pipe from which leachate/condensate was leaking through a damaged flange.



Darshan Dhillon
HE&I III

Scott Barden
Assitant Ops Manager

PIC Phone #: 206-263-8863

Email: Scott.Barden@KingCounty.gov

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

Out=out of compliance

OUT

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

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

Annual Report

- 0828-Annual report due April 1st

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

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

Design Criteria New MSWLF expansion 173-351-300

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

Groundwater sampling and analysis requirements WAC 173-351-410

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

Liquids Restrictions

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

MSLF Groundwater reporting WAC 173-351-415

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

MSLF Leachate Managementfor Surface Impoundments WAC 173-350-330

Design Standards - Surface Impoundments

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

Ground Water monitoring requirement for surface impoundment and tanks

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

OUT

Operating standards - Surface Impoundments and tanks

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

Operating Criteria WAC 173-351-200

Access Restriction

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

Air Criteria

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

Cover Material Requirements

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

Disease Vectors Controlled

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

Explosive Gases Control

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

Incoming Waste Management

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

Performance Standards

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

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

Performance Standards for groundwater monitoring

System Design

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

Permit Requirements

- 0863-Permit Required

Plan of Operation

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

Record Keeping

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

Run-on/runoff Control Systems

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

Surface Water Requirements

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

SOLID WASTE INSPECTION REPORT

PUBLIC HEALTH - SEATTLE & KING COUNTY Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	PURPOSE OF VISIT: Routine Inspection/Field Review of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: CEDAR HILLS SANITARY LAND CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 Program Record: PR0015736	INSPECTION INFORMATION: Date of Inspection: Wednesday, May 16, 2018 Time In: 1:30 pm Time Out: 2:55 pm Inspector: Darshan Dhillon Result: COMPLETE

VIOLATIONS OBSERVED (if any)

OVERALL INSPECTION COMMENTS:

ACTIONS AND RECOMMENDATIONS:

1. Re-strip road lanes on south perimeter road by the fueling station. Stripping lines and lane divider is totally invisible and must be re stripped ASAP.
2. Ensure grey colored leachate emanating from the stockpiles on area 6 is controlled and does not flow into the storm drains. Provide update on how this is being managed within one week of receiving this report.

OBSERVATIONS:

- 2.1 North slope of Area 8 is compacted to prevent hydraulic conductivity.
- 2.2 No safety incident was reported.
- 2.3 Daily inspection records are maintained.
- 2.4 Compactor operators act as spotters to ensure that unacceptable waste is not deposited in the landfill.
- 2.5 Access to the landfill is controlled by perimeter fence and lockable gate. Fence found to be kept in good repair.
- 2.6 No landfill odors were detected.
- 2.7 Fugitive dust is controlled by spraying water from the water tanker.
- 2.8 All wells are secured with padlocks.
- 2.9 Holt sonic drilling Rig installing new wells and gas probes.
- 2.10 Landfill gas is collected and sent to Bio Energy Washington (BEW) plant; none of the flare unit was burning LFG.



Darshan Dhillon
H&EI III

Scott Barden
Assistant Operations Manager

PIC Phone #: 206-263-8863

Email: Scott.barden@kingcounty.gov

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

Out=out of compliance

OUT

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

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

Annual Report

- 0828-Annual report due April 1st

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

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

Design Criteria New MSWLF expansion 173-351-300

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

Groundwater sampling and analysis requirements WAC 173-351-410

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

Liquids Restrictions

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

MSLF Groundwater reporting WAC 173-351-415

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

MSLF Leachate Managementfor Surface Impoundments WAC 173-350-330

Design Standards - Surface Impoundments

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

Ground Water monitoring requirement for surface impoundment and tanks

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

OUT

Operating standards - Surface Impoundments and tanks

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

Operating Criteria WAC 173-351-200

Access Restriction

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

Air Criteria

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

Cover Material Requirements

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

Disease Vectors Controlled

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

Explosive Gases Control

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

Incoming Waste Management

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

Performance Standards

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

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

Performance Standards for groundwater monitoring

System Design

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

Permit Requirements

- 0863-Permit Required

Plan of Operation

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

Record Keeping

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

Run-on/runoff Control Systems

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

Surface Water Requirements

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

SOLID WASTE INSPECTION REPORT

PUBLIC HEALTH - SEATTLE & KING COUNTY Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	PURPOSE OF VISIT: Routine Inspection/Field Review of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: CEDAR HILLS SANITARY LAND CEDAR HILLS SANITARY LAND 16645 228TH AV SE MAPLE VALLEY, WA 98038 206-296-4385 Program Record: PR0015736	INSPECTION INFORMATION: Date of Inspection: Wednesday, June 27, 2018 Time In: 12:30 pm Time Out: 2:45 pm Inspector: Darshan Dhillon Result: COMPLETE

VIOLATIONS OBSERVED (if any)

OVERALL INSPECTION COMMENTS:

OBSERVATIONS:

1. June 27, 2018 Construction meeting and subsequent inspection of Leachate release and Pug Mill (Bentonite batching and mixing plant) to achieve required impermeability.

Attendees: Darshan Dhillon Public Health Solid Waste, Madeline Wall of Ecology, Scott Barden of CHRLF and John Stien of Peak Geo-Solutions, a subcontractor to Anchor consulting

2. Contaminated Storm Water (CSW) RELEASE 1: DATE: June 26, 2018

Scarsella contractors were extending to the next lift, the 24 inch diameter leachate lines at southwest slope and corner of Area 7. During extension process with the 24 inch pipe got separated and punctured the green liner and released leachate on top of the green liner. Released leachate was immediately captured by a vac truck and disposed of in compliance with applicable laws. Liner tears were patched. Liner was washed with clean water. Small puddles of water were noticed on top of the green liner at the southwest toe of Area 7. Water on the liner appeared to be clean.

2. CSW RELEASE 2: DATE: June 26, 2018

Small amount of leachate (CSW) leaked into the anchor trench of Area 8 located on the northwest corner of Area 8 above the pit. Leachate was released from an underground 24 inch corrugated leachate pipe. The pipe was connected to a vault which collects and conveys leachate to corrugated (CSW) leachate pipe from areas 5, 6 and 7. It appeared that CSW leachate seeped under the corrugated pipe and made its way to the anchor trench. The leachate was pumped into CSW leachate collection pond through a pipe. No leachate was seen in the anchor trench.

3. PUG Mill INSPECTION: John from Peak Geo gave us a tour of the Pug Mill and described the whole process of mixing the ingredients including soil, bentonite and moisture content. The following ingredients were being mixed for Compacted Soil Liner:

- Bentonite 4%
- Dry Soil 87%
- Water 9%

A cohesive mixture is being produced to achieve maximum hydraulic conductivity 1×10^{-7} cm per minute. This mixture is used to construct Compacted Soil Liner on the West slope of Area 8 pit area. When mixture goes over conveyor belt it is being weighed and percentages of all three ingredients measured. Pug mill automatically adjusts the quantity of each ingredients electronically. (Cool machine)

4. INSPECTION OF COMPACTED SOIL LINER (CSL) TEST PAD: A test pad has been built to establish proper ratios of soil, moisture and bentonite clay and methodology to achieve hydraulic conductivity 1×10^{-7} cm/second. The test pad has been constructed by adding two layers of bentonite and soil mix with thickness of each layer of 8 inches. The total thickness of the pad is 16 inches. The bottom 2 inches of

bentonite mixture is mixed with subgrade soil interfacing with slope. Multiple hydraulic conductivity tests have been conducted on the test pad. According to John the required impermeability has been achieved at the pad with above mentioned ratio of ingredients. CSL will be installed on west, south, and east sides of the pit; the North Slope and bottom will be installed with geo-synthetic clay liner (GCL)

NOTE: According to John, the Bout well tests (design spec) could not be carried out without disturbing the CSL pad. During pushing core into the CSL pad a large size 1.5 inch or greater sized rocks break and spatter inside the CSL pad causing an increase in hydraulic conductivity. The test would likely not be successful because a good seal would not be possible with the rock present. Therefore, bout well test is being discussed with consulting engineers to remove the boutwell test from the design specs by replacing it with hydraulic conductivity tests.

5. Daily inspection records have been kept up-to-date.

6 Compactor operators act as spotters for detecting prohibited items from tipping in the landfill.

7. Dust has been kept under control by spraying water on fugitive dust areas.



Darshan Dhillon
H&EI III

Joan Kenton
Environmental Compliance Coordinato

PIC Phone #: 206-263-0805

Email: Joan.Kenton@kingcounty.gov

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

Out=out of compliance

OUT

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

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

Annual Report

- 0828-Annual report due April 1st

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

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

Design Criteria New MSWLF expansion 173-351-300

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

Groundwater sampling and analysis requirements WAC 173-351-410

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

Liquids Restrictions

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

MSLF Groundwater reporting WAC 173-351-415

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

MSLF Leachate Managementfor Surface Impoundments WAC 173-350-330

Design Standards - Surface Impoundments

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

Ground Water monitoring requirement for surface impoundment and tanks

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

OUT

Operating standards - Surface Impoundments and tanks

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

Operating Criteria WAC 173-351-200

Access Restriction

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

Air Criteria

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

Cover Material Requirements

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

Disease Vectors Controlled

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

Explosive Gases Control

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

Incoming Waste Management

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

Performance Standards

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

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

Performance Standards for groundwater monitoring

System Design

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

Permit Requirements

- 0863-Permit Required

Plan of Operation

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

Record Keeping

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

Run-on/runoff Control Systems

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

Surface Water Requirements

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

Cedar Hills Area 5 Maintenance

for the period 04/01/2018 to 06/30/2018

Click the blue 'Y' to see notes

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
Area 5						
	CHAREA5	0000019317	CLOSED	Monthly Gas System PM	04/12/2018	N
	CHAREA5	0000019317	CLOSED	Monthly Stormwater PM	04/12/2018	N
	CHAREA5	0000019317	CLOSED	Monthly Cover System PM	04/12/2018	N
	CHAREA5	0000019452	CLOSED	Monthly Gas System PM	05/02/2018	N
	CHAREA5	0000019452	CLOSED	Monthly Stormwater PM	05/02/2018	N
	CHAREA5	0000019452	CLOSED	Monthly Cover System PM	05/02/2018	N
	CHAREA5	0000019632	CLOSED	Monthly Gas System PM	06/04/2018	N
	CHAREA5	0000019632	CLOSED	Monthly Stormwater PM	06/04/2018	N
	CHAREA5	0000019632	CLOSED	Monthly Cover System PM	06/04/2018	N
	CHAREA5E	0000019283	CLOSED	Monthly Header PM	04/10/2018	N
	CHAREA5E	0000019417	CLOSED	Monthly Header PM	05/11/2018	N
	CHAREA5E	0000019517	CLOSED	Monthly Header PM	06/13/2018	N
	CHAREA5W	0000019282	CLOSED	Monthly Header PM	04/20/2018	N
	CHAREA5W	0000019416	CLOSED	Monthly Header PM	05/11/2018	N
	CHAREA5W	0000019516	CLOSED	Monthly Header PM	06/05/2018	N

Cedar Hills Landfill Storm Water Pollution Prevention Plan Maintenance

for the period 04/01/2018 to 06/30/2018

Click the blue 'Y' to see notes

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

Catch Basins

	Cedar Hills	0000039003	CLOSED	PMM	04/05/2018	N
--	-------------	------------	--------	-----	------------	---

Trash Racks

	Cedar Hills	0000039080	CLOSED	PMW	04/05/2018	Y
	Cedar Hills	0000039140	CLOSED	PMW	04/11/2018	Y
	Cedar Hills	0000039198	CLOSED	PMW	04/19/2018	Y
	Cedar Hills	0000039258	CLOSED	PMW	04/24/2018	N
	Cedar Hills	0000039289	CLOSED	PMW	05/04/2018	N
	Cedar Hills	0000039334	CLOSED	PMW	05/01/2018	N
	Cedar Hills	0000039373	CLOSED	PMW	05/11/2018	Y
	Cedar Hills	0000039472	CLOSED	PMW	05/14/2018	Y
	Cedar Hills	0000039494	CLOSED	PMW	05/23/2018	Y
	Cedar Hills	0000039597	CLOSED	PMW	05/28/2018	Y
	Cedar Hills	0000039611	CLOSED	PMW	06/04/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/01/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/07/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/07/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/08/2018	Y
	Cedar Hills	0000039719	CLOSED	PMW	06/11/2018	Y
	Cedar Hills	0000039741	CLOSED	PMW	06/18/2018	N

Ditches

	Cedar Hills	0000039003	CLOSED	PMM	04/05/2018	N
	Cedar Hills	0000039080	CLOSED	PMW	04/05/2018	Y
	Cedar Hills	0000039140	CLOSED	PMW	04/11/2018	Y
	Cedar Hills	0000039198	CLOSED	PMW	04/19/2018	Y
	Cedar Hills	0000039258	CLOSED	PMW	04/24/2018	N
	Cedar Hills	0000039289	CLOSED	PMW	05/04/2018	N
	Cedar Hills	0000039334	CLOSED	PMW	05/01/2018	N
	Cedar Hills	0000039373	CLOSED	PMW	05/11/2018	Y

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000039472	CLOSED	PMW	05/14/2018	Y
	Cedar Hills	0000039494	CLOSED	PMW	05/23/2018	Y
	Cedar Hills	0000039597	CLOSED	PMW	05/28/2018	Y
	Cedar Hills	0000039611	CLOSED	PMW	06/04/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/01/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/07/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/07/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/08/2018	Y
	Cedar Hills	0000039719	CLOSED	PMW	06/11/2018	Y
	Cedar Hills	0000039741	CLOSED	PMW	06/18/2018	N

Ponds/Lagoons

	Cedar Hills	0000039080	CLOSED	PMW	04/05/2018	Y
	Cedar Hills	0000039140	CLOSED	PMW	04/11/2018	Y
	Cedar Hills	0000039198	CLOSED	PMW	04/19/2018	Y
	Cedar Hills	0000039258	CLOSED	PMW	04/24/2018	N
	Cedar Hills	0000039289	CLOSED	PMW	05/04/2018	N
	Cedar Hills	0000039334	CLOSED	PMW	05/01/2018	N
	Cedar Hills	0000039373	CLOSED	PMW	05/11/2018	Y
	Cedar Hills	0000039472	CLOSED	PMW	05/14/2018	Y
	Cedar Hills	0000039494	CLOSED	PMW	05/23/2018	Y
	Cedar Hills	0000039597	CLOSED	PMW	05/28/2018	Y
	Cedar Hills	0000039611	CLOSED	PMW	06/04/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/01/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/07/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/07/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/08/2018	Y
	Cedar Hills	0000039719	CLOSED	PMW	06/11/2018	Y
	Cedar Hills	0000039741	CLOSED	PMW	06/18/2018	N

General

	Cedar Hills	0000039080	CLOSED	PMW	04/05/2018	Y
	Cedar Hills	0000039140	CLOSED	PMW	04/11/2018	Y
	Cedar Hills	0000039198	CLOSED	PMW	04/19/2018	Y
	Cedar Hills	0000039258	CLOSED	PMW	04/24/2018	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	Cedar Hills	0000039289	CLOSED	PMW	05/04/2018	N
	Cedar Hills	0000039334	CLOSED	PMW	05/01/2018	N
	Cedar Hills	0000039373	CLOSED	PMW	05/11/2018	Y
	Cedar Hills	0000039472	CLOSED	PMW	05/14/2018	Y
	Cedar Hills	0000039494	CLOSED	PMW	05/23/2018	Y
	Cedar Hills	0000039597	CLOSED	PMW	05/28/2018	Y
	Cedar Hills	0000039611	CLOSED	PMW	06/04/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/01/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/07/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/07/2018	Y
	Cedar Hills	0000039659	CLOSED	PMW	06/08/2018	Y
	Cedar Hills	0000039719	CLOSED	PMW	06/11/2018	Y
	Cedar Hills	0000039741	CLOSED	PMW	06/18/2018	N

Leachate System

CHPS1	0000039051	CLOSED	PMW	04/03/2018	N
CHPS1	0000039117	CLOSED	PMW	04/10/2018	N
CHPS1	0000039171	CLOSED	PMW	04/17/2018	N
CHPS1	0000039226	CLOSED	PMW	04/24/2018	N
CHPS1	0000039327	CLOSED	PMW	05/01/2018	N
CHPS1	0000039381	CLOSED	PMW	05/07/2018	N
CHPS1	0000039424	CLOSED	PMW	05/14/2018	N
CHPS1	0000039489	CLOSED	PMW	05/21/2018	N
CHPS1	0000039562	CLOSED	PMW	05/29/2018	N
CHPS1	0000039627	CLOSED	PMW	06/04/2018	N
CHPS1	0000039696	CLOSED	PMW	06/10/2018	N
CHPS1	0000039759	CLOSED	PMW	06/17/2018	N
CHPS2	0000039052	CLOSED	PMW	04/03/2018	N
CHPS2	0000039116	CLOSED	PMW	04/10/2018	N
CHPS2	0000039172	CLOSED	PMW	04/17/2018	N
CHPS2	0000039225	CLOSED	PMW	04/24/2018	N
CHPS2	0000039326	CLOSED	PMW	05/01/2018	N
CHPS2	0000039380	CLOSED	PMW	05/07/2018	N
CHPS2	0000039427	CLOSED	PMW	05/14/2018	N
CHPS2	0000039488	CLOSED	PMW	05/21/2018	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHPS2	0000039523	CLOSED	PMW	06/05/2018	Y
	CHPS2	0000039563	CLOSED	PMW	05/29/2018	N
	CHPS2	0000039628	CLOSED	PMW	06/04/2018	N
	CHPS2	0000039695	CLOSED	PMW	06/10/2018	N
	CHPS2	0000039758	CLOSED	PMW	06/17/2018	N
	CHPS3	0000039053	CLOSED	PMW	04/03/2018	N
	CHPS3	0000039115	CLOSED	PMW	04/10/2018	N
	CHPS3	0000039173	CLOSED	PMW	04/17/2018	N
	CHPS3	0000039224	CLOSED	PMW	04/24/2018	N
	CHPS3	0000039325	CLOSED	PMW	05/01/2018	N
	CHPS3	0000039379	CLOSED	PMW	05/14/2018	N
	CHPS3	0000039487	CLOSED	PMW	05/21/2018	N
	CHPS3	0000039564	CLOSED	PMW	05/29/2018	Y
	CHPS3	0000039629	CLOSED	PMW	06/04/2018	N
	CHPS3	0000039694	CLOSED	PMW	06/10/2018	N
	CHPS3	0000039756	CLOSED	PMW	06/17/2018	N
	CHPS4	0000039054	CLOSED	PMW	04/03/2018	N
	CHPS4	0000039114	CLOSED	PMW	04/10/2018	N
	CHPS4	0000039174	CLOSED	PMW	04/17/2018	N
	CHPS4	0000039223	CLOSED	PMW	04/24/2018	N
	CHPS4	0000039324	CLOSED	PMW	05/01/2018	N
	CHPS4	0000039378	CLOSED	PMW	05/07/2018	N
	CHPS4	0000039426	CLOSED	PMW	05/14/2018	N
	CHPS4	0000039491	CLOSED	PMW	05/21/2018	Y
	CHPS4	0000039565	CLOSED	PMW	05/29/2018	Y
	CHPS4	0000039625	CLOSED	PMW	06/04/2018	Y
	CHPS4	0000039693	CLOSED	PMW	06/10/2018	Y
	CHPS4	0000039761	CLOSED	PMW	06/17/2018	Y
	CHPS4	0000039806	CLOSED	PMW	06/25/2018	N
	LEPS	0000039010	CLOSED	PMM	04/03/2018	Y
	LEPS	0000039010	CLOSED	PMM	04/03/2018	Y
	LEPS	0000039050	CLOSED	PMW	04/03/2018	Y
	LEPS	0000039113	CLOSED	PMW	04/10/2018	N
	LEPS	0000039169	CLOSED	PMW	04/17/2018	N
	LEPS	0000039222	CLOSED	PMW	04/24/2018	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	LEPS	0000039269	CLOSED	PMM	05/03/2018	Y
	LEPS	0000039269	CLOSED	PMM	05/03/2018	Y
	LEPS	0000039323	CLOSED	PMW	05/01/2018	N
	LEPS	0000039377	CLOSED	PMW	05/07/2018	N
	LEPS	0000039421	CLOSED	PMW	05/14/2018	N
	LEPS	0000039484	CLOSED	PMW	05/21/2018	N
	LEPS	0000039486	CLOSED	PMW	05/21/2018	N
	LEPS	0000039526	CLOSED	PMM	06/05/2018	Y
	LEPS	0000039558	CLOSED	PMW	05/29/2018	Y
	LEPS	0000039622	CLOSED	PMW	06/04/2018	N
	LEPS	0000039691	CLOSED	PMW	06/10/2018	Y
	LEPS	0000039754	CLOSED	PMW	06/17/2018	N

Landfill Cover

CHAPONDS	0000019315	CLOSED	PMV	04/12/2018	N
CHAPONDS	0000019450	CLOSED	PMV	05/02/2018	N
CHAPONDS	0000019630	CLOSED	PMV	06/04/2018	N
CHAREA4	0000019316	CLOSED	PMV	04/12/2018	N
CHAREA4	0000019451	CLOSED	PMV	05/02/2018	N
CHAREA4	0000019631	CLOSED	PMV	06/04/2018	N
CHAREA5	0000019317	CLOSED	PMV	04/12/2018	N
CHAREA5	0000019452	CLOSED	PMV	05/02/2018	N
CHAREA5	0000019632	CLOSED	PMV	06/04/2018	N
CHAREA6	0000019318	CLOSED	PMV	04/12/2018	N
CHAREA6	0000019453	CLOSED	PMV	05/02/2018	N
CHAREA6	0000019633	CLOSED	PMV	06/04/2018	N
CHAREAS23	0000019320	CLOSED	PMV	04/12/2018	N
CHAREAS23	0000019455	CLOSED	PMV	05/02/2018	N
CHAREAS23	0000019635	CLOSED	PMV	06/04/2018	N
CHCENTRALPIT	0000019321	CLOSED	PMV	04/12/2018	N
CHCENTRALPIT	0000019456	CLOSED	PMV	05/02/2018	N
CHCENTRALPIT	0000019636	CLOSED	PMV	06/04/2018	N
CHEMH	0000019322	CLOSED	PMV	04/12/2018	N
CHEMH	0000019457	CLOSED	PMV	05/02/2018	N
CHEMH	0000019637	CLOSED	PMV	06/04/2018	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHNFLARESTN	0000019326	CLOSED	PMV	04/12/2018	N
	CHNFLARESTN	0000019461	CLOSED	PMV	05/02/2018	N
	CHNFLARESTN	0000019641	CLOSED	PMV	06/04/2018	N
	CHSEPA	0000019323	CLOSED	PMV	04/12/2018	N
	CHSEPA	0000019458	CLOSED	PMV	05/02/2018	N
	CHSEPA	0000019638	CLOSED	PMV	06/04/2018	N
	CHSSWA	0000019324	CLOSED	PMV	04/12/2018	N
	CHSSWA	0000019459	CLOSED	PMV	05/02/2018	N
	CHSSWA	0000019639	CLOSED	PMV	06/04/2018	N
	CHSTOCKPILE	0000019314	CLOSED	PMV	04/12/2018	N
	CHSTOCKPILE	0000019449	CLOSED	PMV	05/02/2018	N
	CHSTOCKPILE	0000019628	CLOSED	PMV	06/04/2018	N
	CHSWMH	0000019325	CLOSED	PMV	04/12/2018	N
	CHSWMH	0000019460	CLOSED	PMV	05/02/2018	N
	CHSWMH	0000019640	CLOSED	PMV	06/04/2018	N

Landfill Gas

CHAREA5E	0000019294	CLOSED	PMW	04/02/2018	N
CHAREA5E	0000019363	CLOSED	PMW	04/17/2018	N
CHAREA5E	0000019429	CLOSED	PMW	05/03/2018	N
CHAREA5E	0000019498	CLOSED	PMW	05/19/2018	N
CHAREA5E	0000019564	CLOSED	PMW	06/04/2018	N
CHAREA5E	0000019610	CLOSED	PMW	06/18/2018	N
CHAREA5W	0000019295	CLOSED	PMW	04/02/2018	N
CHAREA5W	0000019364	CLOSED	PMW	04/17/2018	N
CHAREA5W	0000019430	CLOSED	PMW	05/03/2018	N
CHAREA5W	0000019499	CLOSED	PMW	05/18/2018	N
CHAREA5W	0000019565	CLOSED	PMW	06/04/2018	N
CHAREA5W	0000019611	CLOSED	PMW	06/18/2018	N
CHAREA6	0000019279	CLOSED	PMW	04/05/2018	N
CHAREA6	0000019355	CLOSED	PMW	04/30/2018	N
CHAREA6	0000019413	CLOSED	PMW	05/15/2018	N
CHAREA6	0000019490	CLOSED	PMW	05/21/2018	N
CHAREA6	0000019560	CLOSED	PMW	06/08/2018	N
CHAREA6	0000019576	CLOSED	PMW	06/27/2018	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHAREAS23	0000019239	CLOSED	PMW	04/04/2018	N
	CHAREAS23	0000019327	CLOSED	PMW	04/20/2018	N
	CHAREAS23	0000019373	CLOSED	PMW	05/09/2018	N
	CHAREAS23	0000019462	CLOSED	PMW	05/30/2018	N
	CHAREAS23	0000019507	CLOSED	PMW	06/12/2018	N
	CHAREAS23	0000019574	CLOSED	PMW	06/28/2018	N
	CHCMH	0000019299	CLOSED	PMW	04/11/2018	N
	CHCMH	0000019299	CLOSED	PMW	04/12/2018	N
	CHCMH	0000019299	CLOSED	PMW	04/13/2018	N
	CHCMH	0000019365	CLOSED	PMW	04/20/2018	N
	CHCMH	0000019365	CLOSED	PMW	04/25/2018	N
	CHCMH	0000019365	CLOSED	PMW	04/27/2018	N
	CHCMH	0000019434	CLOSED	PMW	05/07/2018	N
	CHCMH	0000019434	CLOSED	PMW	05/08/2018	N
	CHCMH	0000019434	CLOSED	PMW	05/14/2018	N
	CHCMH	0000019500	CLOSED	PMW	05/22/2018	N
	CHCMH	0000019500	CLOSED	PMW	05/28/2018	N
	CHCMH	0000019500	CLOSED	PMW	05/29/2018	N
	CHCMH	0000019569	CLOSED	PMW	06/01/2018	N
	CHCMH	0000019569	CLOSED	PMW	06/02/2018	N
	CHCMH	0000019569	CLOSED	PMW	06/07/2018	N
	CHCMH	0000019612	CLOSED	PMW	06/16/2018	N
	CHCMH	0000019612	CLOSED	PMW	06/20/2018	N
	CHCMH	0000019612	CLOSED	PMW	06/21/2018	N
	CHEMH	0000019293	CLOSED	PMW	04/09/2018	N
	CHEMH	0000019362	CLOSED	PMW	04/24/2018	N
	CHEMH	0000019428	CLOSED	PMW	05/03/2018	N
	CHEMH	0000019497	CLOSED	PMW	05/23/2018	N
	CHEMH	0000019563	CLOSED	PMW	06/05/2018	N
	CHEMH	0000019609	CLOSED	PMW	06/25/2018	N
	CHSEPA	0000019244	CLOSED	PMW	04/26/2018	N
	CHSEPA	0000019329	CLOSED	PMW	04/23/2018	N
	CHSEPA	0000019378	CLOSED	PMW	05/08/2018	N
	CHSEPA	0000019464	CLOSED	PMW	05/18/2018	N
	CHSEPA	0000019519	CLOSED	PMW	06/01/2018	N

Item	Location	Work Order Number	Work Order Status	PM/Repair Type	Completion Date	Work Order Has Notes
	CHSEPA	0000019577	CLOSED	PMW	06/22/2018	N

Landfill Roads

CHACTIVEAREA	0000019305	CLOSED	PMR	04/12/2018	N
CHACTIVEAREA	0000019440	CLOSED	PMR	05/02/2018	N
CHACTIVEAREA	0000019617	CLOSED	PMR	06/04/2018	N
CHMAINGATE	0000019306	CLOSED	PMR	04/12/2018	N
CHMAINGATE	0000019441	CLOSED	PMR	05/02/2018	N
CHMAINGATE	0000019618	CLOSED	PMR	06/04/2018	N
CHPSR	0000019307	CLOSED	PMR	04/12/2018	N
CHPSR	0000019442	CLOSED	PMR	05/02/2018	N
CHPSR	0000019619	CLOSED	PMR	06/04/2018	N
CHSTOCKPILE	0000019314	CLOSED	PMR	04/12/2018	N
CHSTOCKPILE	0000019449	CLOSED	PMR	05/02/2018	N
CHSTOCKPILE	0000019627	CLOSED	PMR	06/01/2018	N
CHSTOCKPILE	0000019628	CLOSED	PMR	06/04/2018	N

Landfill Roads

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

Equipment

Click the word 'Equipment' to see Work Order Numbers

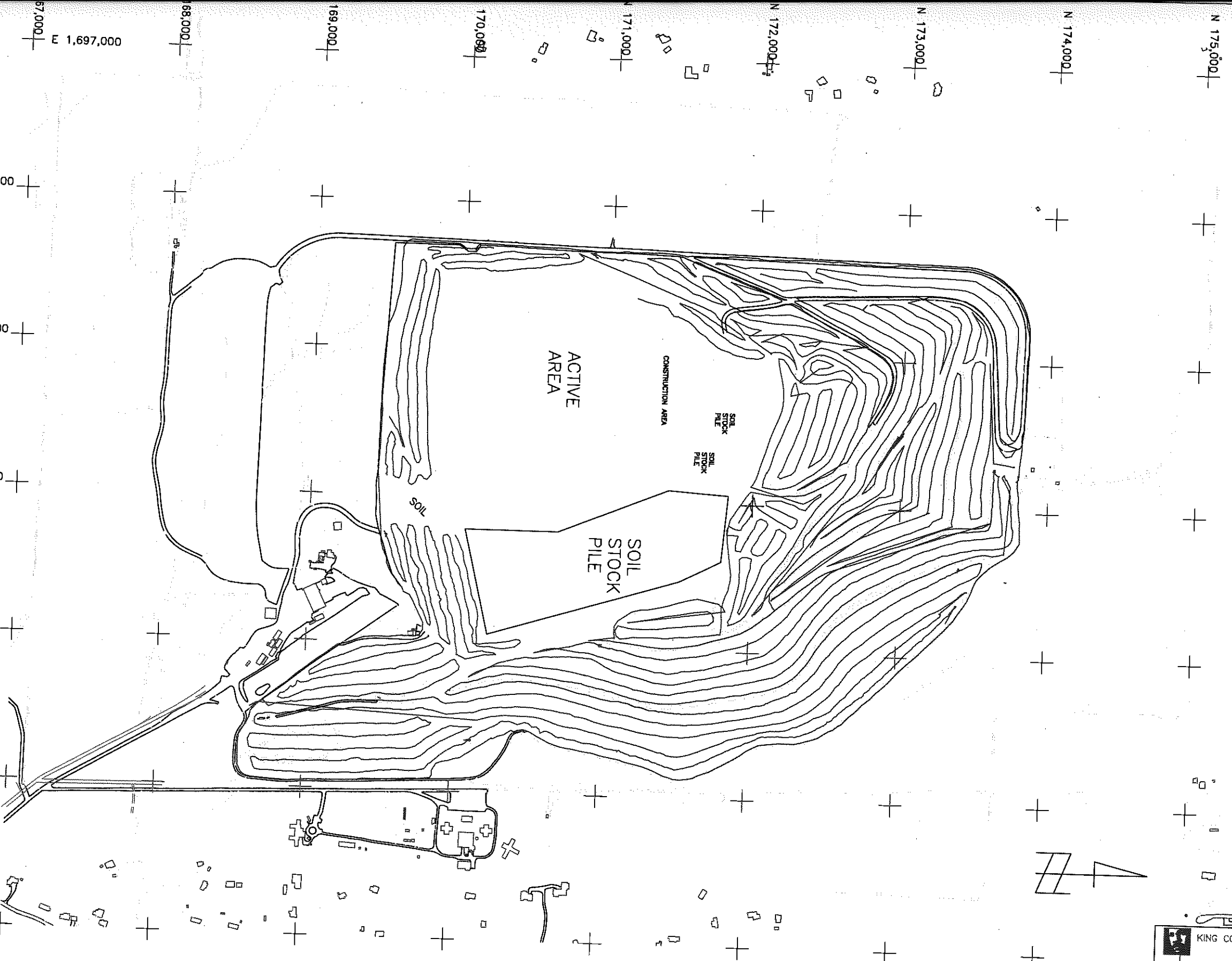
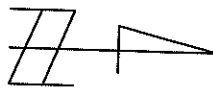
Appendix B:
Gas Monitoring Reports

Cedar Hills Regional Landfill

Quarterly Surface Emission Monitoring

Plot of GPS Generated Track Lines

JUNE 2018
Scale 1"=800'



KING COUNTY, DEPARTMENT OF NATURAL RESOURCES
AND PARKS
Christie True, Director
SOLID WASTE DIVISION
**CEDAR HILLS QUARTERLY
GAS EMISSIONS MONITORING**

APPROVED _____ DATE 06-26-18
 RECOMMENDED _____ DATE _____
 DESIGNED PJM DRAWN PJM
 PROJECT NO. _____ SURVEY NO. _____ SHEET 1 OF 1

DATE	REVISION	BY

KING COUNTY SOLID WASTE
JACKSON ST., SUITE 701
SEATTLE, WA 98104-3885

KING COUNTY SOLID WASTE
JACKSON ST., SUITE 701
SEATTLE, WA 98104-3885


CEDAR HILLS REGIONAL LANDFILL
SCALE: 1" = 800'
CONTROLLER INTERVAL: 5 FT.
DATE OF MONITORING: 01-17-18

KING COUNTY SOLID WASTE
JACKSON ST., SUITE 701
SEATTLE, WA 98104-3885

MONITORING UNIT
301 1st FLOOR
SEATTLE, WA 98101
01/17/18

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

TECHNICIAN COPY



WO#: 0000019504
 Date In: 05/31/2018 08:33
 Date Promised: 06/01/2018 08:33
 Date Out: 00:00

WO Status: A Last WO#: 0000019439
 WO Priority: Last WO Date: 03/28/2018
 Track DownTime: Y Operator: WG

Equipment: CEDAR HILLS License: na

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

Tire Size 1:	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
I	A - SET AN ANNUAL DATE	07/15/2018	Annual Inspection
Q	0 - MONTHS	06/30/2018	Quarterly Inspection
S	0 - MONTHS	07/15/2018	Scheduled Inspection
X	0 - MONTHS	05/10/2018	Prohibited Activities

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMQ BS	PM Service PMQ per list Billable Scheduled, Target	0	710 <i>BL</i>	0.00000	
PMQ BS	PM Service PMQ per list Billable Scheduled, Target	0	762 <i>JD</i>	0.00000	
PMQ BS	PM Service PMQ per list Billable Scheduled, Target	0	763 <i>JD</i>	0.00000	

NOTES

Work Order Task List

Repair Code: PMQ B5

Equipment: CEDAR HILLS


Work Order: 0000019504

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

6-14 5 hrs
 6-15 5 hrs
 6-18 6 hrs
 6-20 4 hrs
 6-20 4 hrs
 6-22 10 hrs
 6-21 10 hrs
 6-26 6.25

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

TECHNICIAN COPY



WO#: 0000019317
 Date In: 03/21/2018 08:53
 Date Promised: 03/22/2018 08:53
 Date Out: 00:00
 WO Status: A Last WO#:0000019225
 WO Priority: Last WO Date: 03/09/2018
 Track DownTime: Y Operator: WG

Equipment: CHAREA5 License: na

Location: 20 Color:
 Year: 2006 Serial: na
 Make: UD Engine:
 Model: UD
 Class: ZZZZZZGS: 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
G	0 - MONTHS	03/10/2018	Gas System
T	0 - MONTHS	03/10/2018	Stormwater
V	0 - MONTHS	03/10/2018	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 Stormwater Billable Scheduled, Target	0	750 RB	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	750 RB	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
 CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

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

PMT BS


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

PMV BS

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

DATE: 4/12/18

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

TECHNICIAN COPY	
	
WO#: 0000019452	
Date In: 03/28/2018 07:26	
Date Promised: 03/29/2018 07:26	
Date Out: 00:00	
WO Status: A	Last WO#: 0000019317
WO Priority:	Last WO Date: 03/21/2018
Track DownTime: Y	Operator: WG

Equipment: CHAREAS License: na

Location: 20 Color:
 Year: 2006 Serial: na
 Make: UD Engine:
 Model: UD
 Class: ZZZZZZZGS: 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
G	0 - MONTHS	04/10/2018	Gas System
T	0 - MONTHS	04/10/2018	Stormwater
V	0 - MONTHS	04/10/2018	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 <i>MM</i>	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	763 <i>MM</i>	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	763 <i>MM</i>	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
 CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

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

PMT BS

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


PMV BS

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

DATE: 5/2

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

TECHNICIAN COPY



WO#: 0000019632
 Date In: 06/01/2018 09:26
 Date Promised: 06/02/2018 09:26
 Date Out: 00:00

WD Status: A Last WO#: 0000019452
 WO Priority: Last WO Date: 03/28/2018
 Track DownTime: Y Operator: WG

Equipment: CHAREAS5 License: na

Location: 20 Color:
 Year: 2006 Serial: na
 Make: UD Engine:
 Model: UD
 Class: ZZZZZZZGS: 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
G	0 - MONTHS	05/10/2018	Gas System
T	0 - MONTHS	05/10/2018	Stormwater
V	0 - MONTHS	05/10/2018	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	762 JD	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	762 JD	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	762 JD	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
 CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

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

PMT BS

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


PMV BS

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

DATE: 6-4-18

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

TECHNICIAN COPY



WO#: 0000019318
 Date In: 03/21/2018 08:54
 Date Promised: 03/22/2018 08:54
 Date Out: 00:00
 WO Status: A Last WO#:0000019281
 WO Priority: Last WO Date: 03/21/2018
 Track DownTime: Y Operator: WG

Equipment: CHAREA6 License: na

Location: 20 Color:
 Year: 2006 Serial: na
 Make: UD Engine:
 Model: UD
 Class: ZZZZZZZGS: 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 6	
Fuel Cap2: 0.000		

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTO

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	03/10/2018	Gas System
S	0 - MONTHS	03/28/2018	Scheduled Inspection
T	0 - MONTHS	03/10/2018	Stormwater
V	0 - MONTHS	03/10/2018	Cover System
W	W - WEEKS	03/05/2018	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	750 RB	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	750 RB	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	750 RB	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
 CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

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

PMT BS

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


PMV BS

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

DATE: 4/12/18

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

TECHNICIAN COPY



WO#: 0000019453
 Date In: 03/28/2018 07:27
 Date Promised: 03/29/2018 07:27
 Date Out: 00:00
 WO Status: A Last WO#:0000019415
 WO Priority: Last WO Date: 03/27/2018
 Track DownTime: Y Operator: WG

Equipment: CHAREA6 License: na

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

Tire Size 1:	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	LTO
----------	---------	-----------	----------	--------	-----

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	04/10/2018	Gas System
S	0 - MONTHS	04/28/2018	Scheduled Inspection
T	0 - MONTHS	04/10/2018	Stormwater
V	0 - MONTHS	04/10/2018	Cover System
W	W - WEEKS	03/19/2018	Weekly Inspection

WARRANTY INFORMATION

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

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PHG BS	PM Service PM Gas System Billable Scheduled, Target	0	763 <i>MS</i>	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	763 <i>MS</i>	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	763 <i>MS</i>	0.00000	Gas

NOTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
 CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

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

PMT BS

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


PMV BS

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

DATE: 5/2

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

TECHNICIAN COPY



WO#: 0000019633
 Date In: 06/01/2018 09:28
 Date Promised: 06/02/2018 09:28
 Date Out: 00:00

WO Status: A Last WO#: 0000019576
 WO Priority: Last WO Date: 05/31/2018
 Track DownTime: Y Operator: WG

Equipment: CHAREA6 License: na

Location: 20 Color:
 Year: 2006 Serial: na
 Make: UD Engine:
 Model: UD
 Class: ZZZZZZZGS: 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 6
Fuel Cap2: 0.000	

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
G	0 - MONTHS	05/10/2018	Gas System
S	0 - MONTHS	06/28/2018	Scheduled Inspection
T	0 - MONTHS	05/10/2018	Stormwater
V	0 - MONTHS	05/10/2018	Cover System
W	W - WEEKS	05/14/2018	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	762 JD	0.00000	Gas
PMT BS	PM Service PM Stormwater Billable Scheduled, Target	0	762 JD	0.00000	Gas
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	762 JD	0.00000	Gas

NTES

For CHAREA4, CHAREA5, CHAREA6, CHAREA7, CHAREAS23,
 CHCENTRALPIT, CHEMH, CHSEPA, CHSSWA, CHSWMH (10)

PMG BS

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

PMT BS

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

PMV BS

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


DATE: 6-4-18

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

Equipment: CHAREA5TD License: na

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

TECHNICIAN COPY



WO#: 0000019256
 Date In: 03/21/2018 07:54
 Date Promised: 03/22/2018 07:54
 Date Out: 00:00
 WO Status: A Last WO#:0000019121
 WO Priority: Last WO Date: 02/12/2018
 Track DownTime: Y Operator: WG

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

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTO

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	04/10/2018	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MIO	Est. Labor	Shop
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	762 JD	0.00000	Gas

NOTES

Work Order Task List


Repair Code: PMV BS
 Equipment: CHAREA5TD
 Work Order: 0000019256

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	✓				
4-30	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

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

TECHNICIAN COPY



WO#: 0000019390
 Date In: 03/27/2018 10:35
 Date Promised: 03/28/2018 10:35
 Date Out: 00:00
 WO Status: A Last WO#: 0000019256
 WO Priority: Last WO Date: 03/21/2018
 Track DownTime: Y Operator: WG

Equipment: CHAREA5TD License: na
 Location: 20 Color:
 Year: 2010 Serial: na
 Make: U0 Engine:
 Model: UD
 Class: ZZZZZZZGS: 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	04/10/2018	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	Est. Labor	Shop
PMV BS	PM Service PM Cover System Billable Scheduled, Target	MID 750 <i>RS</i>	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PMV BS
 Equipment: CHAREA5TD
 Work Order: 0000019390

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	/				


5-15-18

20 min.

FW

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

TECHNICIAN COPY



WO#: 0000019537
 Date In: 05/31/2018 09:12
 Date Promised: 06/01/2018 09:12
 Date Out: 00:00

WO Status: A Last WO#: 0000019390
 WO Priority: Last WO Date: 03/27/2018
 Track DownTime: Y Operator: WG

Equipment: CHAREA5TD License: na

Location: 20 Color:
 Year: 2010 Serial: na
 Make: UD Engine:
 Model: UD
 Class: ZZZZZZGS: 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	07/10/2018	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

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

NOTES

Work Order Task List

Repair Code: PMV BS
 Equipment: CHAREASTD
 Work Order: 0000019537


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

6/15/18

30min.

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

TECHNICIAN COPY



WO#: 0000019284
 Date In: 03/21/2018 08:17
 Date Promised: 03/22/2018 08:17
 Date Out: 00:00
 WO Status: A Last WO#:0000019150
 WO Priority: Last WO Date: 02/12/2018
 Track DownTime: Y Operator: WG

Equipment: CHAREA6TD License: na

Location: 20 Color:
 Year: 2010 Serial: na
 Make: UD Engine:
 Model: UD
 Class: ZZZZZZZG6S: 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 6	
Fuel Cap2: 0.000		

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	03/10/2018	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	763	0.00000	Gas

NOTES

Work Order Task List


Repair Code: PMV B5
 Equipment: CHAREA6TD
 Work Order: 0000019284

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	/				
4/10	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	/				

20m

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

TECHNICIAN COPY



WO#: 0000019418
 Date In: 03/27/2018 10:59
 Date Promised: 03/28/2018 10:59
 Date Out: 00 00

WO Status: A Last WO#: 0000019284
 WO Priority: Last WO Date: 03/21/2018
 Track DownTime: Y Operator: KG

Equipment: CHAREA6TD License: na

Location: 20 Color:
 Year: 2010 Serial: na
 Make: UD Engine:
 Model: UD
 Class: ZZZZZZZGS: 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 6
 Fuel Cap2: 0.000

METERS

WO Meter	Reading	Override?	Eq Meter	Actual	LTD

PM SERVICE

Type	Cycle	Next Due	Description
V	0 - MONTHS	04/10/2018	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	762	0.00000	Gas

NOTES

Work Order Task List


Repair Code: PMV 85
 Equipment: CHAREA6TD
 Work Order: 0000019418

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	✓				
52	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

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

TECHNICIAN COPY



WO#: 0000019518
 Date In: 05/31/2018 08:47
 Date Promised: 06/01/2018 08:47
 Date Out: 00:00

WO Status: A Last WO#: 0000019418
 WO Priority: Last WO Date: 03/27/2018
 Track DownTime: Y Operator: WG

Equipment: CHAREA6TD License: na

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

Tire Size 1:	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	06/10/2018	Cover System

WARRANTY INFORMATION

Type	Cycle	Date Expires	Description

REPAIRS

RTY	Description	Status	MID	Est. Labor	Shop
PMV BS	PM Service PM Cover System Billable Scheduled, Target	0	762 JD	0.00000	Gas

NOTES

Work Order Task List

Repair Code: PMV BS
 Equipment: CHAREA6TD
 Work Order: 0000019518

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	✓				
6-27	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	✓				

1/2 hr