LAFARGE CANADA INC.

AMBIENT AIR QUALITY MONTHLY REPORT DECEMBER 2020

JANUARY 14, 2021







AMBIENT AIR QUALITY MONTHLY REPORT DECEMBER 2020

LAFARGE CANADA INC.

PROJECT NO.: 171-00556-04 DATE: JANUARY 14, 2021

WSP SUITE 1000 840 HOWE STREET VANCOUVER, BC, CANADA V6Z 2M1

T: +1 604 685-9381 F: +1 604 683-8655 WSP.COM



January 11, 2021

LAFARGE CANADA INC. Highway 1A Exshaw, AB TOL 2C0

Attention: Janet Brygger

Dear Ms. Brygger

Subject: Ambient Air Quality Monthly Report – December 2020

At the Lagoon station, all meteorological sensors, as well as the NO_2 and SO_2 analyzers, recorded 99.6% uptime during the month of December due to three hours of power failure, occurring on December 22^{nd} from 18:00-20:00. PM_{10} and $PM_{2.5}$ recorded 99.2% uptime during the month of December due to six hours of power failure occurring on December 22^{nd} from 18:00-23:00. TSP recorded 96.1% uptime during the month of December, due to twenty-three hours of equipment malfunction, occurring from December 11^{th} at 14:00- December 12^{th} at 12:00, and a further six hours of power failure, occurring on December 22^{nd} from 18:00-23:00. There were zero exceedances of the 24-hour TSP Alberta Ambient Air Quality Objectives (AAAQOs), zero exceedances of the 24-hour $PM_{2.5}$ AAAQOs, and zero exceedances of the 1-hour $PM_{2.5}$ AAAQG in December at the Lagoon monitoring location.

At the Windridge Station, all analyzers had 99.2% uptime for the month of December, due to six hours of power failure, occurring on December 22^{nd} from 18:00-23:00 There were 6 exceedances of the 24-hour TSP AAAQO, zero exceedances of the 24-hour PM_{2.5} AAAQO, and zero exceedances of the 1-hour PM_{2.5} AAAQG. TSP exceedances primarily occurred on days with high westerly wind speeds.

Data collected at all of the GRIMM monitors are considered Industrial Ambient Monitors and are meant for assessing the performance of Lafarge Exshaw's Fugitive Dust Control Best Management Practices – Program; the GRIMM monitors are not Air Monitoring Directive (AMD) compliant. The operational uptime at the 3 monitors was as follows: 99.1% at the West monitor due to two hours of equipment malfunction on December 4th at 14:00 – 15:00, and a further five hours of power failure on December 22nd from 17:00 – 21:00; 100% at the Berm monitor; and 97.2% at the Entrance monitor due to 21 hours of power failure occurring on December 22nd at 18:00 to December 23rd at 14:00.

The West GRIMM monitor recorded zero exceedances of the 24-hour TSP AAAQG and zero exceedances of the 24-hour PM_{2.5} AAAQG. The Berm GRIMM had 16 exceedances of the TSP AAAQG and 2 exceedances of the 24-hour PM_{2.5} AAAQG. The Entrance GRIMM monitor exceeded the 24-hour TSP AAAQG for 14 days and did not exceed the 24-hour PM_{2.5} AAAQG.

I certify that I have reviewed and verified this report and that the information is complete, accurate and representative of the monitoring results, reporting timeframe and the specified analysis, summarization and reporting requirements.

Sincerely,

SUITE 1000 840 HOWE STREET VANCOUVER, BC, CANADA V6Z 2M1 Tyler Abel, M.Sc.

Tyler Abel, M.Sc. Team Leader, Environmental Management, Vancouver Office

SIGNATURES

PREPARED BY

	January 14, 2021	
Dylan Weyell, B.A.	Date	
APPROVED¹ BY (must be reviewed for technical a	ccuracy prior to approval)	
(M) And	January 14, 2021	
Tyler Abel, M.Sc.	Date	
Team Leader, Environmental Management, Vancouver Region, Environment		

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TABLE OF CONTENTS

1	INTRODUCTION1
1.1	Exshaw creek flood mitigation1
2	DECEMBER 2020 REPORT SUMMARY2
2.1	Lagoon Station2
2.2	Windridge Station3
2.3	West Grimm3
2.4	Berm Grimm4
2.5	Entrance Grimm5
3	LAGOON STATION6
3.1	Operational Summary6
3.2	Monitoring Results and Trends7
4	WINDRIDGE STATION19
4.1	operational summary19
4.2	Monitoring Results and Trends19
5	WEST INDUSTRIAL GRIMM29
5.1	operational summary29
5.2	Monitoring Results and Trends29
6	BERM INDUSTRIAL GRIMM34
6.1	operational summary34
6.2	Monitoring Results and Trends34
7	ENTRANCE INDUSTRIAL GRIMM42
7.1	operational summary42
7.2	Monitoring Results and Trends42



BIBLIOGRA	PHY51
TABLES	
TABLE 2-1	LAGOON STATION DATA SUMMARY
TABLE 2-2	2 WINDRIDGE STATION DATA SUMMARY3
TABLE 2-3	WEST STATION DATA SUMMARY 4
TABLE 2-4 TABLE 2-5	BERM STATION DATA SUMMARY 4 ENTRANCE STATION DATA
TABLE 3-1	SUMMARY5 INSTRUMENTATION LIST AT THE
	LAGOON STATION 6
TABLE 3-2	SUMMARY OF DECEMBER 2020 DATA AT LAGOON9
TABLE 4-1	INSTRUMENTATION LIST AT THE WINDRIDGE MONITORING
TABLE 4-2	LOCATION 19 SUMMARY OF DECEMBER 2020
	DATA AT THE WINDRIDGE STATION21
TABLE 4-3	DAYS EXCEEDING THE TSP AAAQO OR PM _{2.5} AAAQO AT THE
TABLE 5-1	WINDRIDGE STATION
TABLE 5-2	SUMMARY OF DECEMBER 2020 DATA AT THE WEST GRIMM 30
TABLE 6-1	INSTRUMENTATION LIST AT THE BERM MONITORING LOCATION 34
TABLE 6-2	SUMMARY OF DECEMBER 2020
TABLE 6-3	DATA AT THE BERM GRIMM 35 DAYS EXCEEDING THE GUIDELINE FOR TSP OR PM _{2.5} AT THE BERM
T451554	MONITOR 36
TABLE 7-1	INSTRUMENTATION LIST AT THE ENTRANCE MONITORING
TABLE 7-2	LOCATION 42 SUMMARY OF DECEMBER 2020
TABLE 7-3	DATA AT THE ENTRANCE GRIMM 44 DAYS EXCEEDING THE GUIDELINE
INDLL I-0	FOR TSP OR PM _{2.5} AT THE
	ENTRANCE MONITOR 45



FIGURES	
FIGURE 1	PHOTO OF COMPLETED FLOOD MITIGATION WORK AT EXSHAW
FIGURE 3-1	CREEK
FIGURE 3-2	DECEMBER 2020 WIND ROSE FOR THE LAGOON STATION
FIGURE 3-3	1-HOUR CONCENTRATIONS OF NOx, SO ₂ , PARTICULATE MATTER, WIND DIRECTION AND WIND SPEED
FIGURE 3-4	AT THE LAGOON STATION
FIGURE 3-5	LAGOON STATION
FIGURE 3-6	LAGOON STATION
FIGURE 3-7	LAGOON STATION
FIGURE 3-8	LAGOON STATION
FIGURE 3-9	LAGOON STATION
FIGURE 3-10	LAGOON MONITOR PARTICULATE
FIGURE 3-11	MATTER TIME VARIATION
FIGURE 3-12	LAGOON MONITOR NOX TIME VARIATION
FIGURE 4-1	1-HOUR PARTICULATE MATTER CONCENTRATIONS RECORDED AT
FIGURE 4-2	THE WINDRIDGE MONITOR



FIGURE 4-3	HISTOGRAM OF HOURLY PM ₁₀
	CONCENTRATIONS AT THE
	WINDRIDGE STATION24
FIGURE 4-4	HISTOGRAM OF HOURLY TSP
	CONCENTRATIONS AT THE
	WINDRIDGE STATION25
FIGURE 4-5	24-HOUR PARTICULATE MATTER
TICONETO	CONCENTRATIONS AT THE
	WINDRIDGE MONITOR
FIGURE 4-6	WIND ROSE FOR TSP
TIOUNE 4 0	EXCEEDANCE DAYS RECORDED AT
	THE WINDRIDGE STATION 27
FIGURE 4-7	WINDRIDGE PARTICULATE MATTER
TIOUNL 4-7	TIME VARIATION28
FIGURE 5-1	1-HOUR PARTICULATE MATTER
I IGUILL 3-1	CONCENTRATIONS AT THE WEST
	MONITOR31
FIGURE 5-2	24-HOUR PARTICULATE MATTER
FIGURE 3-2	CONCENTRATIONS AT THE WEST
FIGURE C 4	MONITOR 32 1-HOUR PARTICULATE MATTER
FIGURE 6-1	
	CONCENTRATIONS RECORDED AT
FIGURE C 2	THE BERM MONITOR 38 24-HOUR PARTICULATE MATTER
FIGURE 6-2	
	CONCENTRATIONS RECORDED AT
FIGURE 6.3	THE BERM MONITOR 39
FIGURE 6-3	WIND ROSE FOR TSP
	EXCEEDANCE DAYS RECORDED AT
FIGURE 6.4	THE BERM GRIMM
FIGURE 6-4	BERM PARTICULATE MATTER TIME
E1011DE = 4	VARIATION 41
FIGURE 7-1	1-HOUR PARTICULATE MATTER
	CONCENTRATIONS RECORDED AT
	THE ENTRANCE MONITOR 47
FIGURE 7-2	24-HOUR PARTICULATE MATTER
	CONCENTRATIONS AT THE
	ENTRANCE MONITOR 48
FIGURE 7-3	WIND ROSE FOR TSP
	EXCEEDANCE DAYS RECORDED AT
	THE ENTRANCE GRIMM 49
FIGURE 7-4	ENTRANCE PARTICULATE MATTER
	TIME VARIATION 50



APPENDICES

A DATA & CALIBRATION REPORTS

1 INTRODUCTION

This report summarizes the ambient air quality and meteorological data collected at the Lagoon, Windridge, and GRIMM monitors in Exshaw, AB. The stations are operated by WSP on behalf of Lafarge Canada Inc. (Lafarge) and are a requirement of Lafarge's Approval 1702-02-04. This report contains data collected between December 1, 2020 and December 31, 2020.

This monthly report was prepared by Dylan Weyell, Junior Air Quality Specialist with WSP, on behalf of Lafarge and was reviewed by Tyler Abel, Team Leader of Environmental Management in the Vancouver Region at WSP.

1.1 EXSHAW CREEK FLOOD MITIGATION

Due to flood mitigation construction at Exshaw creek (Figure 1), the Windridge monitoring station was taken out of operation and removed from the site on April 8, 2019. The flood mitigation work was completed in Summer 2020. The Windridge station was reinstalled on September 1, 2020 and is included in this report.



Figure 1 Photo of Completed Flood Mitigation Work at Exshaw Creek

2 DECEMBER 2020 REPORT SUMMARY

This summary section provides the pertinent details on data collected and maintenance/calibration activities at each of the monitoring locations. The monitoring results for the stations are described in further detail in their corresponding sections. Maximum hourly concentrations are shown for all particulate matter size fractions, but there are no Alberta Ambient Air Quality Objectives (AAAQO) for 1-hour PM concentrations. The exceedances reported for 1-hour $PM_{2.5}$ are those above the 1-hour $PM_{2.5}$ Alberta Ambient Air Quality Guidelines (AAAQG).

2.1 LAGOON STATION

Table 2-1 Lagoon station data summary

	Data Completeness (%)	1-Hour Average		24-hour Average	
Parameter		Maximum Concentration	Exceedances of AAAQO or AAAQG	Maximum Concentration	Exceedances of AAAQO
NO ₂ (ppb)	99.6	22.7	0	12.2	-
SO ₂ (ppb)	99.6	6.3	0	2.3	0
PM _{2.5} (μg/m ³)	99.2	22.3	0*	6.4	0
PM ₁₀ (μg/m ³)	99.2	382.8	-	62.1	-
TSP (µg/m³)	96.1	459.1	-	76.2	0
Temperature (°C)	99.6	11.8	-	9.2	-
Wind Speed (km/hr) /Direction (Degrees)	99.6	61.6/W	-	42.9/WSW	-
Precipitation (mm)	99.6	2.5*	-	14.5*	-

¹ Any exceedances reported for 1-hour PM_{2.5} are over the guideline level (AAAQG) of 80 μg/m³.

Data Quality Notes:

- \triangleright There were no exceedances of the 24-hour PM_{2.5} AAAQO.
- ➤ There were no exceedances of the 1-hour PM_{2.5} AAAQG.
- ➤ There were no exceedances of the 24-hour TSP AAAQO.

² Maximum Daily Total Accumulation of Precipitation (mm)

³ Monthly Total Accumulation of Precipitation (mm)

Calibration/Maintenance Notes:

At the Lagoon station, all meteorological sensors, as well as the NO₂ and SO₂ analyzers, recorded 99.6% uptime during the month of December due to three hours of power failure, occurring on December 22nd from 18:00 – 20:00. PM₁₀ and PM_{2.5} recorded 99.2% uptime during the month of December due to six hours of power failure occurring on December 22nd from 18:00 – 23:00. TSP recorded 96.1% uptime during the month of December, due to twenty-three hours of equipment malfunction, occurring from December 11th at 14:00 – December 12th at 12:00, and a further six hours of power failure, occurring on December 22nd from 18:00 – 23:00.

2.2 WINDRIDGE STATION

Table 2-2 Windridge station data summary

Parameter	Data	1-Hour Average		24-hour Average	
	Completeness (%)	Maximum Concentration	Exceedances of AAAQO or AAAQG	Maximum Concentration	Exceedances of AAAQO
PM _{2.5} (µg/m ³)	99.2	51.0	0*	11.3	0
PM ₁₀ (μg/m ³)	99.2	485.0	-	224.7	-
TSP (µg/m³)	99.2	985.0	-	275.5	6

^{*} Any exceedances reported for 1-hour PM_{2.5} are over the guideline level (AAAQG) of 80 μg/m³.

Data Quality Notes:

- \triangleright There were no exceedances of the 24-hour PM_{2.5} AAAQO.
- ➤ There were no exceedance of the 1-hour PM_{2.5} AAAQG.
- There were 6 days exceeding the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

At the Windridge Station the analyzers had 99.2% uptime for the month of December due to six hours of power failure occurring on December 22nd from 18:00 – 23:00.

2.3 WEST GRIMM

The GRIMM monitors are Industrial Ambient Monitors meant to aid Lafarge in assessing the performance of their Fugitive Dust Control Best Management Practices – Program (FDCBMP-P). The AAAQO are used as Guidelines to evaluate the performance of the FDCBMP-P; however, these Industrial monitors are not Alberta Air Monitoring Directive (AMD) compliant and not required to show compliance with the AAAQO.

Table 2-3 West station data summary

Parameter	Data	1-Hour Average		24-hour Average	
	Completeness (%)	Maximum Concentration	Exceedances of Guidelines	Maximum Concentration	Exceedances of Guidelines
PM _{2.5} (μg/m ³)	99.1	20.2	0*	6.3	0
PM ₁₀ (μg/m ³)	99.1	28.9	-	7.9	-
TSP (µg/m³)	99.1	27.4	-	7.6	0

^{*} Any exceedances reported for 1-hour PM_{2.5} are over the guideline level (AAAQG) of 80 μg/m³.

Data Quality Notes:

- \triangleright There were no exceedances of the 24-hour PM_{2.5} AAAQG.
- ➤ There were no exceedances of the 1-hour PM_{2.5} AAAQG.
- There were no exceedances of the 24-hour TSP AAAQG.

Calibration/Maintenance Notes:

➤ The analyzer had 99.1% uptime for the month of December, due to two hours of equipment malfunction on December 4th at 14:00 – 15:00. And further, five hours of power failure on December 22nd from 17:00 – 21:00.

2.4 BERM GRIMM

The GRIMM monitors are Industrial Ambient Monitors meant to aid Lafarge in assessing the performance of their FDCBMP-P. The AAAQO are used as Guidelines to evaluate the performance of the FDCBMP-P; however, these Industrial monitors are not Alberta Air Monitoring Directive (AMD) compliant and not required to show compliance with the AAAQO.

Table 2-4 Berm station data summary

Parameter	Data	1-Hour Average		24-hour Average	
	Completeness (%)	Maximum Concentration	Exceedances of Guidelines	Maximum Concentration	Exceedances of Guidelines
PM _{2.5} (μg/m ³)	100.0	219.9	12*	67.9	2
PM ₁₀ (μg/m ³)	100.0	1879.7	-	572.9	-
TSP (μg/m³)	100.0	3952.6	-	1693.8	16

^{*} Any exceedances reported for 1-hour PM_{2.5} are over the guideline level (AAAQG) of 80 μg/m³.

Data Quality Notes:

- \triangleright There were 2 exceedances of the 24-hour PM_{2.5} AAAQG.
- \triangleright There were 12 exceedances of the 1-hour PM_{2.5} AAAQG.
- ➤ There were 16 days exceeding the 24-hour TSP AAAQG.

Calibration/Maintenance Notes:

> The analyzer had 100% uptime during the month of December.

2.5 ENTRANCE GRIMM

The GRIMM monitors are Industrial Ambient Monitors meant to aid Lafarge in assessing the performance of their FDCBMP-P. The AAAQO are used as Guidelines to evaluate the performance of the FDCBMP-P; however, these Industrial monitors are not Alberta Air Monitoring Directive (AMD) compliant and not required to show compliance with the AAAQO.

Table 2-5 Entrance station data summary

Parameter	Data	1-Hour Average		24-hour Average	
	Completeness (%)	Maximum Concentration	Exceedances of Guidelines	Maximum Concentration	Exceedances of Guidelines
PM _{2.5} (µg/m ³)	97.2	46.3	0*	28.3	0
PM ₁₀ (μg/m ³)	97.2	369.1	-	201.8	-
TSP (µg/m³)	97.2	3482.9	-	639.9	14

^{*} Any exceedances reported for 1-hour PM_{2.5} are over the guideline level (AAAQG) of 80 μg/m³.

Data Quality Notes:

- ➤ There were no exceedance of the 24-hour PM_{2.5} AAAQG.
- ➤ There were no exceedances of the 1-hour PM_{2.5} AAAQG.
- ➤ There were 14 days exceeding the 24-hour TSP AAAQG.

Calibration/Maintenance Notes:

The analyzer had 97.2% uptime for the month of December, due to 21 hours of power failure occurring on December 22nd at 18:00 to December 23rd at 14:00.

3 LAGOON STATION

The Lagoon trailer contains NO_x , SO_2 , TSP, PM_{10} , and $PM_{2.5}$ analyzers as well as meteorological sensors, and is shown in Figure 3-1. An ambient air quality station has been at this location since 2002, providing a long-term data record for air quality in the Exshaw area.

This section provides a summary of the monitoring activities for the Lagoon ambient air quality station, including: a table of instrumentation (Table 3-1), a data summary table (Table 3-2), site visit notes, a wind rose (Figure 3-2) and tables and graphs illustrating the monitoring results for December 2020.

All of the monitors comply with Alberta Environment and Parks Air Monitoring Directive (2016).

3.1 OPERATIONAL SUMMARY

A summary of the station operation for the month is provided in Table 3-1.

Table 3-1 Instrumentation List at the Lagoon Station

Parameter Measured	Equipment Description	Notes
PM _{2.5} Concentrations	MetOne BAM-1020 FRM Continuous Particulate Monitor	The PM _{2.5} monitor was calibrated on December $3^{\rm rd}$. The monitor had 99.2% uptime in December, due to due to six hours of power failure occurring on December $22^{\rm nd}$ from $18:00-23:00$.
PM ₁₀ Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The PM_{10} monitor was calibrated on December 3^{rd} . The monitor had 99.2% uptime in December, due to due to six hours of power failure occurring on December 22^{nd} from $18:00-23:00$.
TSP Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The TSP monitor was calibrated on December 3 rd . The monitor had 96.1% uptime in December, due to, twenty-three hours of equipment malfunction, occurring from December 11th at 14:00 – December 12th at 12:00. And further, six hours of power failure, occurring on December 22nd from 18:00 – 23:00.
Oxides of Nitrogen	TEI 42C	The NO_x monitor was calibrated on December 3^{rd} . The monitor had 99.6% uptime for the month of December, due to three hours of power failure, occurring on December 22^{nd} from $18:00-20:00$.
Sulphur Dioxide	Teledyne API 102A	The SO_2 monitor was calibrated on December $3^{\rm rd}$. The monitor had 99.6% uptime for the month of December, due to three hours of power failure, occurring on December $22^{\rm nd}$ from $18:00-20:00$.

Precipitation	MetOne 130 Rain/Snow Gauge	The monitor had 99.6% uptime for the month of December due to three hours of equipment malfunction on December 22 nd from 18:00 – 20:00.
Wind Speed Wind Direction	MetOne Wind Sensor	The monitor had 99.6% uptime for the month of December due to three hours of equipment malfunction on December 22 nd from 18:00 – 20:00.
Ambient Temperature	MetOne Ambient Temperature Sensor	The monitor had 99.6% uptime for the month of December due to three hours of equipment malfunction on December 22 nd from 18:00 – 20:00.

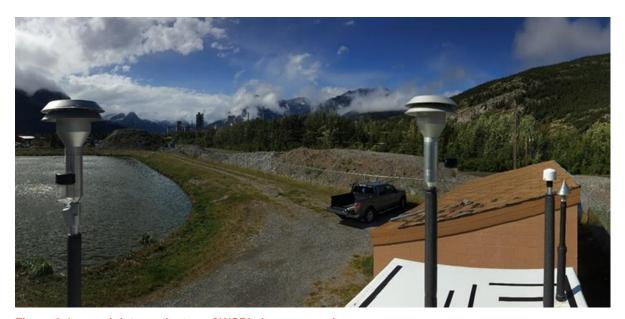


Figure 3-1 Inlets on the top of WSP's Lagoon monitor

3.2 MONITORING RESULTS AND TRENDS

The following wind rose (Figure 3-2) illustrates the frequency of wind speed by wind direction for the month. The wind rose indicates that the winds predominantly came from the west direction, which is typical for the airshed.

Table 3-2 summarizes the hourly and daily concentrations recorded in December 2020.

Figure 3-3 graphically illustrates the time series for hourly concentrations as well as wind speed and direction, while Figure 3-9 shows daily average concentrations recorded during December 2020 for the pollutants listed in Table 3-2. Additionally, Figure 3-4 to Figure 3-8 show the histograms of the hourly concentrations of NO₂, SO₂, PM_{2.5}, PM₁₀, and TSP measured at the Lagoon station.

There were no exceedances of the 24-hour TSP ($100 \,\mu g/m^3$) AAAQO. There were no exceedances of the 24-hour PM_{2.5} ($29 \,\mu g/m^3$) AAAQO. Further, there was no exceedance of the 1-hour PM_{2.5} AAAQG ($80 \,\mu g/m^3$).

Historically in December, the average number of 24-hour TSP AAQO exceedances and 24-hour PM _{2.5} AAAQO exceedances are both zero.	
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Table 3-2 Summary of December 2020 data at Lagoon

	Guid Obje	eline / ctives		Exceedances		Monthly		1-hour					24-hour		
Parameter	1-hr	24-hr	Station	1-hr	24-hr	Minimum	Average	Maximum Concentration/ Meteorological Variable	Day	Hour	Wind Speed (km/h r)	Wind Direction (degrees)	Maximum Concentration/ Meteorological Variable	Day	Operational Time (Percent)
NO ₂ (ppb)	159	-	Lagoon	0	-	1.0	7.2	22.7	28	21	8.0	346.7	12.2	11	99.6
SO ₂ (ppb)	172	48	Lagoon	0	0	0.0	0.4	6.3	24	4	31.3	295.2	2.3	24	99.6
PM _{2.5} (μg/m ³)	80	29	Lagoon	0	0	0.0	3.3	22.3	9	16	6.1	245.8	6.4	31	99.2
PM ₁₀ (μg/m ³)	-	-	Lagoon	-	-	0.0	23.0	382.8	19	10	39.3	268.9	62.1	19	99.2
TSP (μg/m³)	-	100	Lagoon	-	0	0.2	31.0	459.1	19	10	39.3	268.9	76.2	19	96.1
Temperature (°C)	-	-	Lagoon	-	-	-16.1	-2.1	11.8	7	11	38.4	267.0	9.2	7	99.6
Wind Speed (km/hr)/Direction (degrees)	-	-	Lagoon	-	-	1.9	22.4	61.6/W	18	22	61.6	254.5	42.9/WSW	19	99.6
Precipitation (mm)	-	-	Lagoon	-	-	0.0	0.0	2.5	3	13	33.7	327.6	14.5	-	99.6

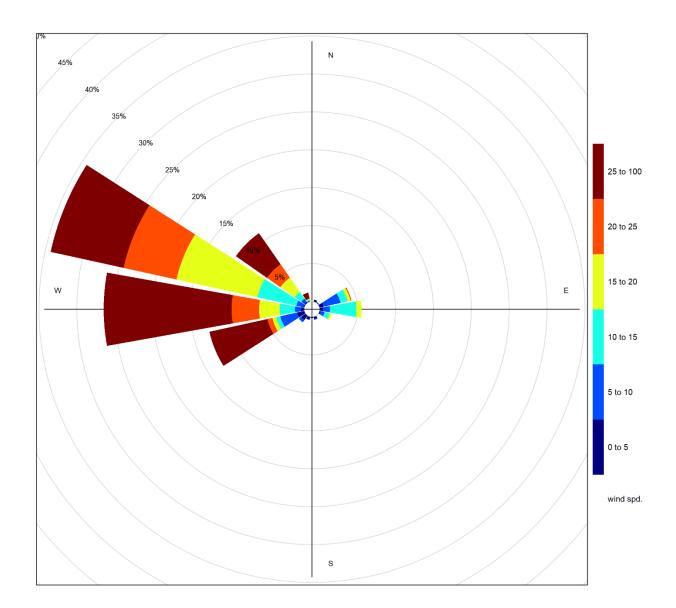


Figure 3-2 December 2020 wind rose for the Lagoon Station

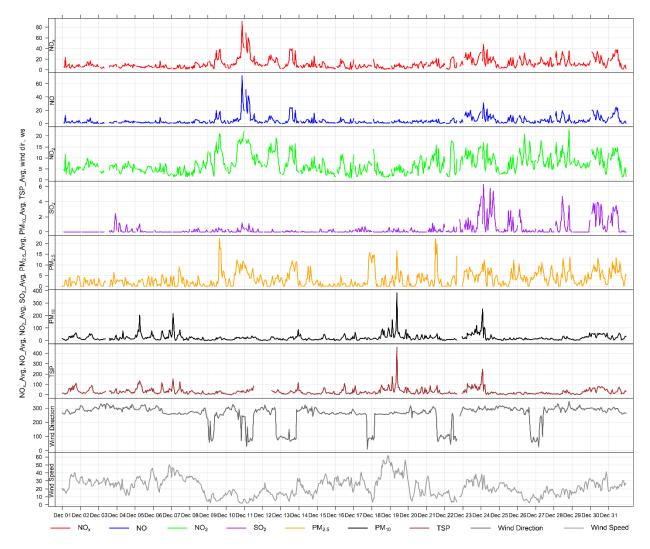


Figure 3-3 1-hour concentrations of NO_x, SO₂, particulate matter, wind direction and wind speed at the Lagoon station

Histogram of Hourly NO₂ Readings

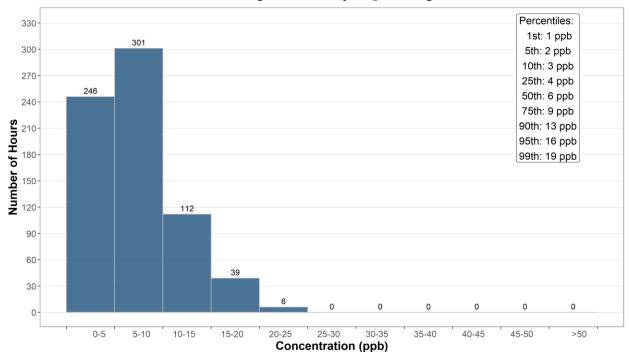


Figure 3-4 Histogram of hourly NO₂ concentrations at the Lagoon station

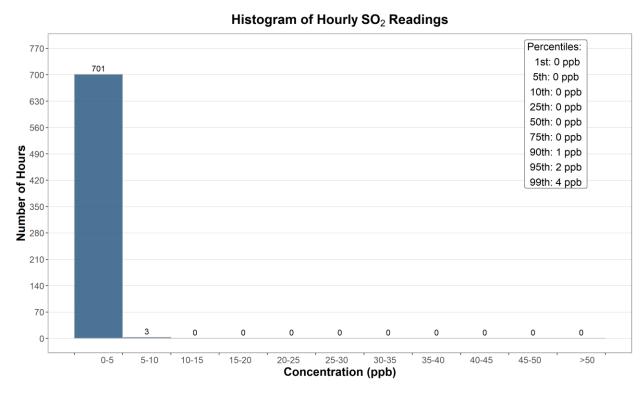


Figure 3-5 Histogram of hourly SO₂ concentrations at the Lagoon station

Histogram of Hourly PM_{2.5} Readings

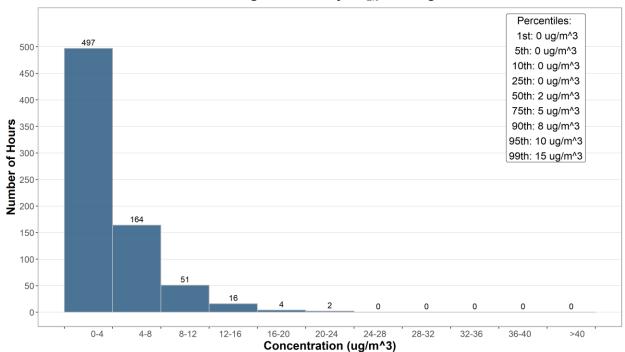


Figure 3-6 Histogram of hourly PM_{2.5} concentrations at the Lagoon station

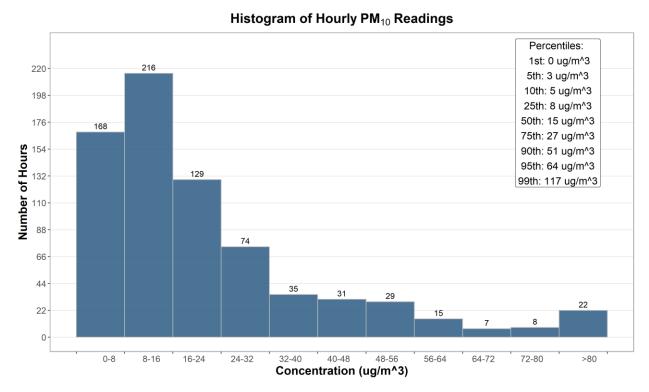


Figure 3-7 Histogram of hourly PM₁₀ concentrations at the Lagoon station

Histogram of Hourly TSP Readings

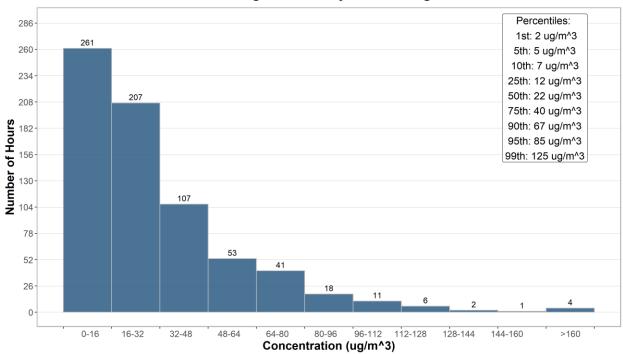


Figure 3-8 Histogram of hourly TSP concentrations at the Lagoon station

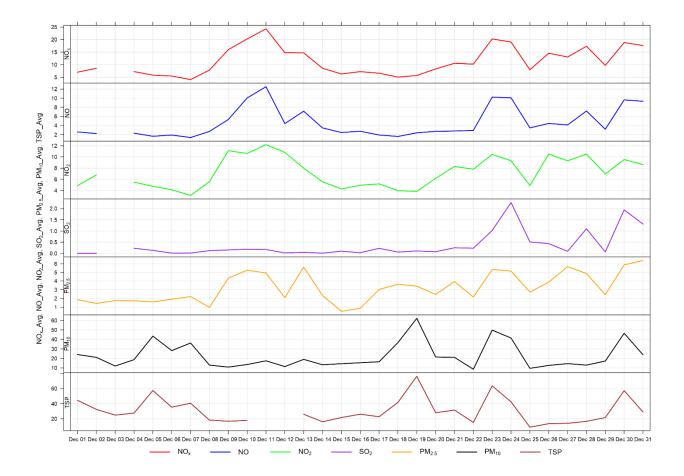


Figure 3-9 24-hour concentrations of NO_x, SO₂, and particulate matter at the Lagoon monitor

Figure 3-10 through Figure 3-12 show the variation in concentrations over various time averaging periods for PM, SO_2 and NO_x . The particulate matter plot in Figure 3-10 shows that PM_{10} and TSP concentrations shows a diurnal pattern associated with Lafarge operations, daytime emissions from traffic and other activities. The diurnal patterns also follow the diurnal pattern of higher wind speeds during the daytime hours.

Figure 3-11 shows the variation of SO_2 over various time periods. SO_2 concentrations patterns are dependent on the timing of the highest SO_2 concentrations recorded in the month because in general SO_2 concentrations are very low. Figure 3-12 shows the variation of NO_x , NO and NO_2 , with the peak of all three pollutants occurring in the early morning. This may be indicative of a peak in traffic.

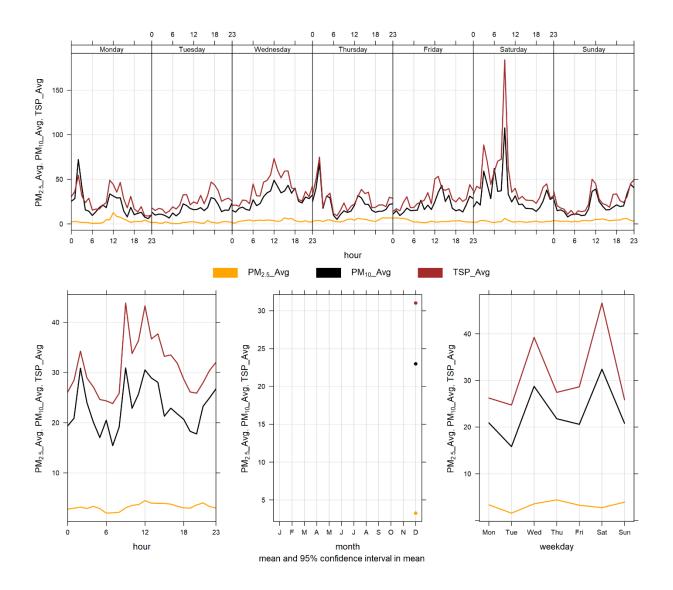


Figure 3-10 Lagoon monitor particulate matter time variation

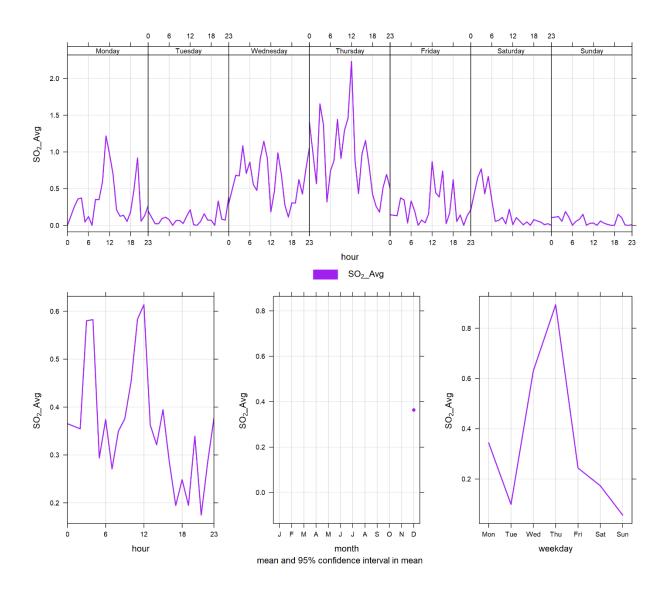


Figure 3-11 Lagoon monitor SO₂ time variation

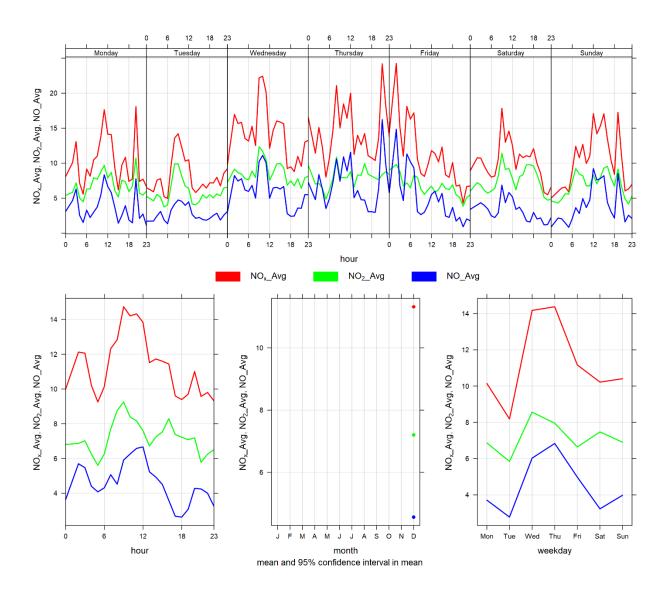


Figure 3-12 Lagoon monitor NO_x time variation

4 WINDRIDGE STATION

The Windridge station contains TSP, PM₁₀, and PM_{2.5} analyzers only. This section provides a summary of the monitoring activities for the Windridge ambient air quality station, including: a table of instrumentation (Table 4-1), a data summary table (Table 4-2), a table of recorded exceedances (Table 4-3), site visit notes, and graphs illustrating the monitoring results for December 2020.

All of the monitors comply with Alberta Environment and Parks Air Monitoring Directive (2016).

4.1 OPERATIONAL SUMMARY

A summary of the station operation for the month is provided in Table 4-1.

Table 4-1 Instrumentation List at the Windridge monitoring location

Parameter Measured	Equipment Description	Notes
PM _{2.5} Concentrations	MetOne BAM-1020 FRM Continuous Particulate Monitor	The PM _{2.5} monitor was calibrated on December 4^{th} . The monitor had 99.2% uptime for the month of December due to six hours of power failure occurring on December 22^{nd} from $18:00-23:00$.
PM ₁₀ Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The PM_{10} monitor was calibrated on December 4^{th} . The monitor had 99.2% uptime for the month of December due to six hours of power failure occurring on December 22^{nd} from $18:00-23:00$.
TSP Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The TSP monitor was calibrated on December 4 th . The monitor had 99.2% uptime for the month of December due to six hours of power failure occurring on December 22 nd from 18:00 – 23:00.

4.2 MONITORING RESULTS AND TRENDS

Table 4-2 summarizes the hourly and daily concentrations recorded in December 2020, and Table 4-2 summarizes the recorded exceedances. Figure 4-1 illustrates the time series for hourly PM, Figure 4-2 to Figure 4-4 illustrate the histograms for hourly PM, Figure 4-5 illustrates the time series for daily PM, Figure 4-6 displays the wind rose for the 24-hour TSP exceedance days, and Figure 4-7 illustrates the time series for hourly PM over different time periods.

There were zero exceedances of the 24-hour PM_{2.5} AAAQO, zero exceedances of the 1-hour PM_{2.5} AAAQG, and 6 exceedances of the 24-hour TSP AAAQO. TSP exceedances occurred primarily on days with high westerly wind speeds.

Historically in December, the average number of 24-hour TSP AAAQO exceedances and 24-hour PM_{2.5} AAAQO exceedances is 2 and 0, respectively.

Due to flood mitigation construction at Exshaw creek the Windridge monitoring station was taken out of operation and removed from the site on April 8, 2019. The flood mitigation work was completed in August 2020. The Windridge station was reinstalled for September 1st, 2020. As per the photo presented in section 1.1 the flood mitigation work has left an exposed creek bed area immediately west of the Windridge monitor that may contributed to an increase in TSP levels. Further, the low precipitation and strong wind gusting that occurred in December would have contributed to increased particulate levels that may have arisen from multiple sources: Lafarge Plant, Exshaw Creek, Lac des Arcs lake, dry sections of the Bow River, roads (sanding from previous snowstorms) and open areas. All of the TSP exceedances recorded were associated with high wind events in December.

Table 4-2 Summary of December 2020 data at the Windridge Station

	Gu	ideline		Exceedances		Monthly		Maximum 1-hour				Maximum 24-hour		Omenetional	
Parameter	1-hr	24-hr	Station	1-hr	24-hr	Minimum	Average	Maximum Concentration	Day	Hour	Wind Speed (km/hr)	Wind Direction (degrees)	Maximum Concentration	Day	Operational Time (Percent)
PM _{2.5} (μg/m ³)	80	29	Windridge	0	0	0.0	4.1	51.0	19	10	39.3	268.9	11.3	19	99.2
PM ₁₀ (μg/m ³)	-	-	Windridge	-	-	0.0	49.1	485.0	18	16	56.2	253.5	224.7	19	99.2
TSP (μg/m³)	-	100	Windridge	-	6	0.0	64.5	985.0	18	16	56.2	253.5	275.5	19	99.2

Table 4-3 Days exceeding the TSP AAAQO or PM_{2.5} AAAQO at the Windridge Station

Date	TSP (ug/m³)	PM _{2.5} (ug/m ³)	Average Wind Direction (degrees)	Average Wind Speed (km/hr)	Average RH (%)	Root Cause (Provided by Lafarge)
		Windridge	;			
2020-12-07	106.1	-	260.1	37.1	39.4	High wind event
2020-12-16	144.6	-	262.7	28.9	47.4	High wind event
2020-12-17	126.6	-	260.1	24.7	54.7	High wind event
2020-12-18	264.0	-	255.8	37.1	48.7	High wind event
2020-12-19	275.5	-	264.7	42.9	33.8	High wind event
2020-12-23	115.6	-	289.6	28.3	61.6	High wind event
Total # of Exceedances	6	0				
Maximum # of Exceedances (December)	16 (2018)	0 (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019)				
Average # of Exceedances (December)	2	0				
Minimum # of Exceedances (December)	0 (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2019)	0 (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019)				

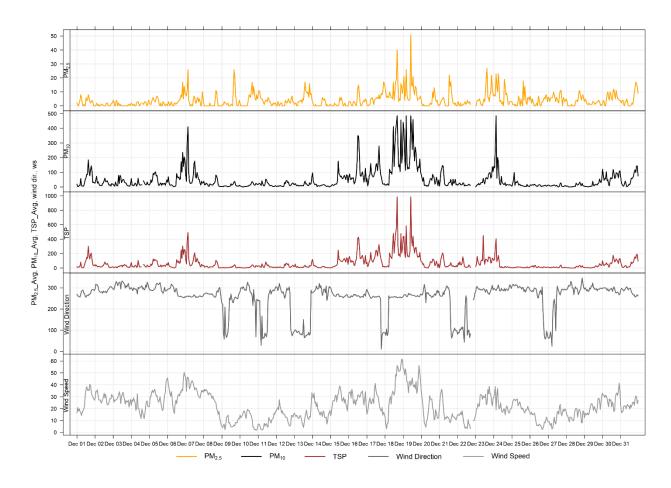


Figure 4-1 1-hour particulate matter concentrations recorded at the Windridge monitor

Histogram of Hourly PM_{2.5} Readings

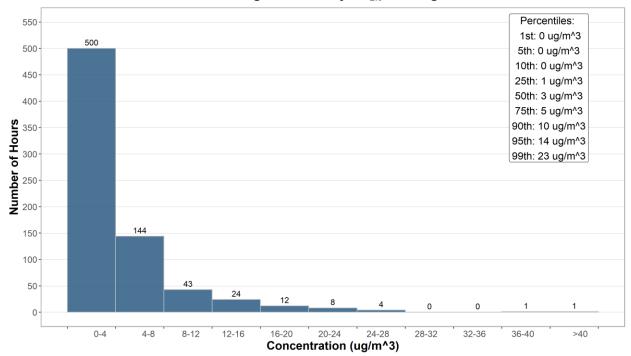


Figure 4-2 Histogram of hourly PM_{2.5} concentrations at the Windridge station

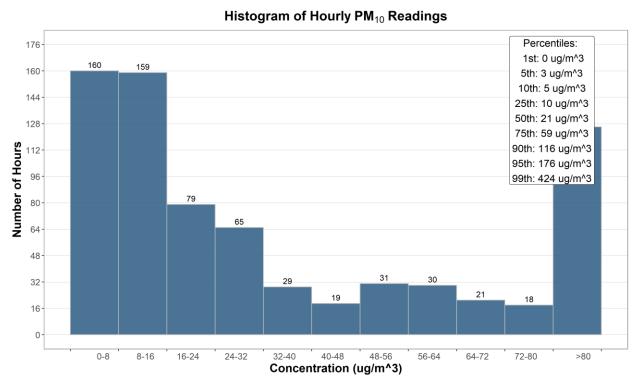


Figure 4-3 Histogram of hourly PM₁₀ concentrations at the Windridge station

Histogram of Hourly TSP Readings

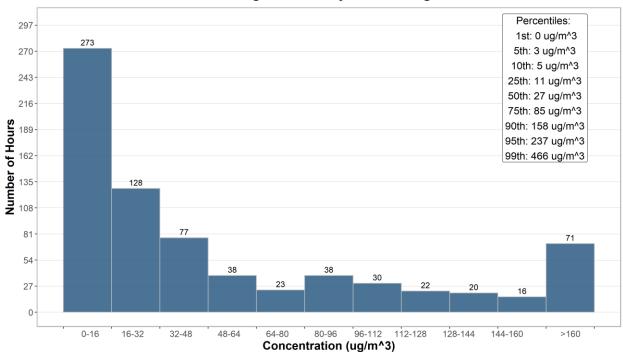


Figure 4-4 Histogram of hourly TSP concentrations at the Windridge station

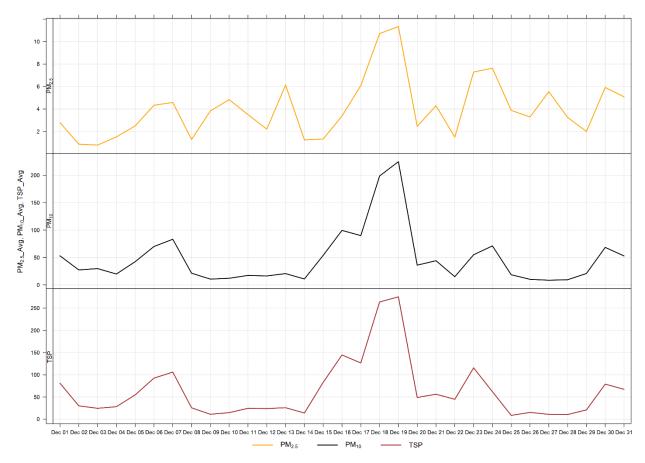


Figure 4-5 24-hour particulate matter concentrations at the Windridge monitor

Figure 4-6 shows the wind rose for the 6 days of TSP exceedances. The wind rose shows that the winds predominantly came from the west direction, and were predominately over 25 km/hr.

Figure 4-7 illustrates the hourly PM concentrations recorded at the Windridge monitor, averaged over different time periods. The plot across the top shows the variation of PM over the course of a week, while the bottom three plots show the changes in PM over the course of a day, month and weekday, respectively. Figure 4-7 is based on data collected during December 2020 and similar to the Lagoon station shows a diurnal pattern associated with Lafarge operations, daytime emissions from traffic and other activities. The diurnal patterns also follow the diurnal pattern of higher wind speeds during the daytime hours.

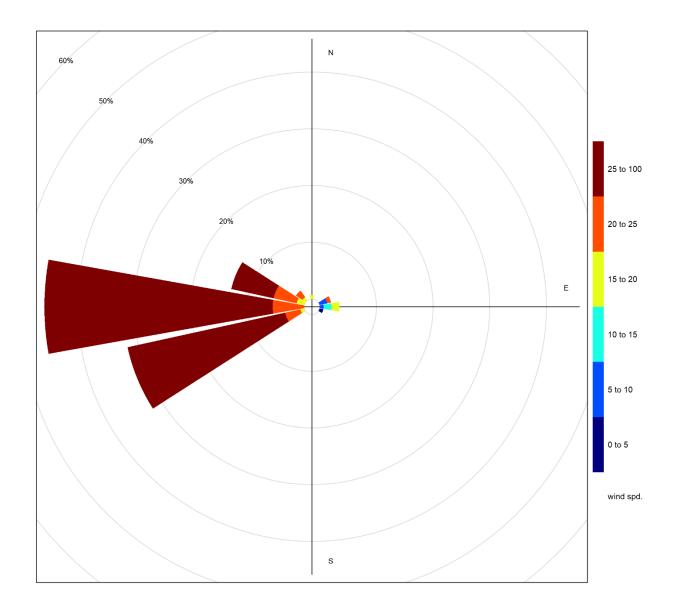


Figure 4-6 Wind rose for TSP exceedance days recorded at the Windridge Station

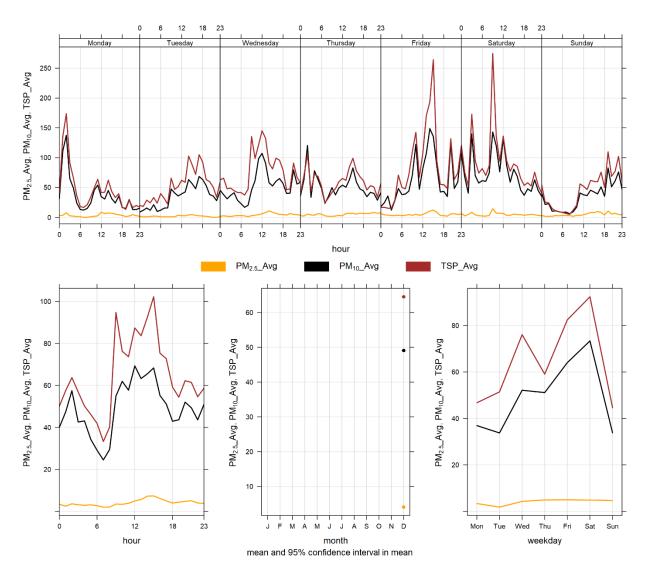


Figure 4-7 Windridge particulate matter time variation

5 WEST INDUSTRIAL GRIMM

5.1 OPERATIONAL SUMMARY

A summary of the station operation for the month is provided in Table 5-1.

Table 5-1 Instrumentation List at the West monitoring location

Parameter Measured	Equipment Description	Notes
PM2.5, PM10, TSP Concentrations	GRIMM 365 Continuous Particulate Monitor	The analyzer had 99.1% uptime for the month of December, due to two hours of equipment malfunction on December 4^{th} at $14:00-15:00$. And further, five hours of power failure on December 22^{nd} from $17:00-21:00$

5.2 MONITORING RESULTS AND TRENDS

The West GRIMM was installed in its current location in order to monitor "background" PM concentrations since the predominant wind pattern is from west to east in the valley. Table 5-2 summarizes the maximum 1-hour and 24-hour concentrations recorded over the course of the month. This is an industrial monitor that is not Alberta Air Monitoring Directive (AMD) compliant and is not required to show compliance with the AAAQO.

Figure 5-1 and Figure 5-2 show the hourly and daily PM_{2.5}, PM₁₀ and TSP concentrations recorded over the month.

There were zero exceedances of the 24-hour TSP guideline (100 μ g/m³) and zero exceedances of the PM_{2.5} (29 μ g/m³) guideline.

Historically in December, the average number of 24-hour TSP guideline exceedances and 24-hour $PM_{2.5}$ guideline exceedances are 1 and 0, respectfully. The maximum number of 24-hour TSP guidelines exceedances was 4 days in 2012 for TSP, and 1 day in 2010 for $PM_{2.5}$.

Table 5-2 Summary of December 2020 data at the West GRIMM

	Gu	ideline		Excee	dances	Mon	thly		M	aximum	1-hour	Maximum 2	- Operational		
Parameter	1-hr	24-hr	Station	1-hr	24-hr	Minimum	Average	Maximum Concentration	Day	Hour	Wind Speed (km/hr)	Wind Direction (degrees)	Maximum Concentration	Day	Time (Percent)
PM _{2.5} (μg/m ³)	80	29	West	0	0	0.1	3.1	20.2	17	21	14.5	86.9	6.3	11	99.1
PM ₁₀ (μg/m ³)	-	-	West	-	-	0.1	4.0	28.9	17	22	16.8	89.4	7.9	11	99.1
TSP (μg/m³)	-	100	West	-	0	0.1	3.4	27.4	17	21	14.5	86.9	7.6	17	99.1

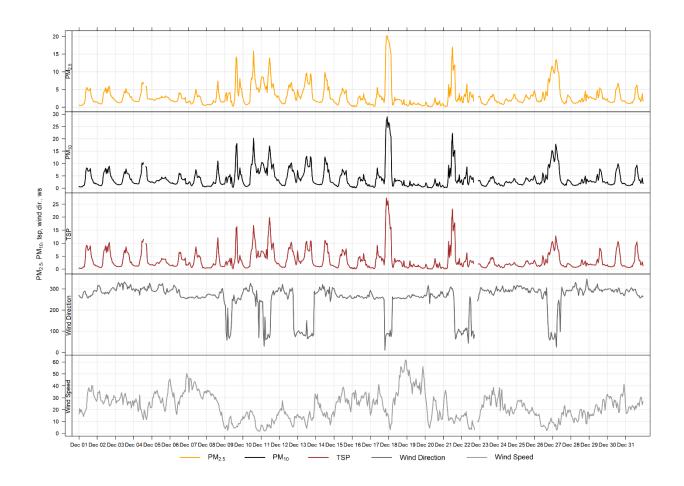


Figure 5-1 1-hour particulate matter concentrations at the West monitor

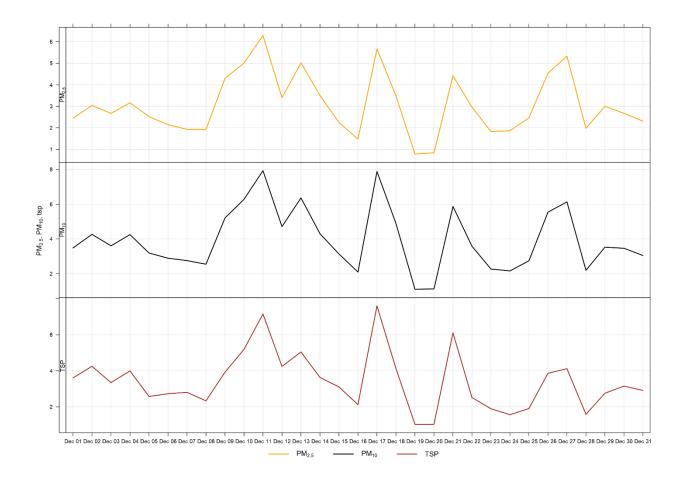


Figure 5-2 24-hour particulate matter concentrations at the West monitor

Figure 5-3 illustrates the hourly PM concentrations recorded at the West monitor, averaged over different time periods. The plot across the top shows the variation of PM over the course of a week, while the bottom three plots show the changes in PM over the course of a day, month and weekday, respectively. Figure 5-3 is based on data collected during December 2020. As the monitor is generally 'up-wind' of the facility, the daily variations in PM are more likely a result of higher traffic volume during daylight hours than specific Lafarge operations.

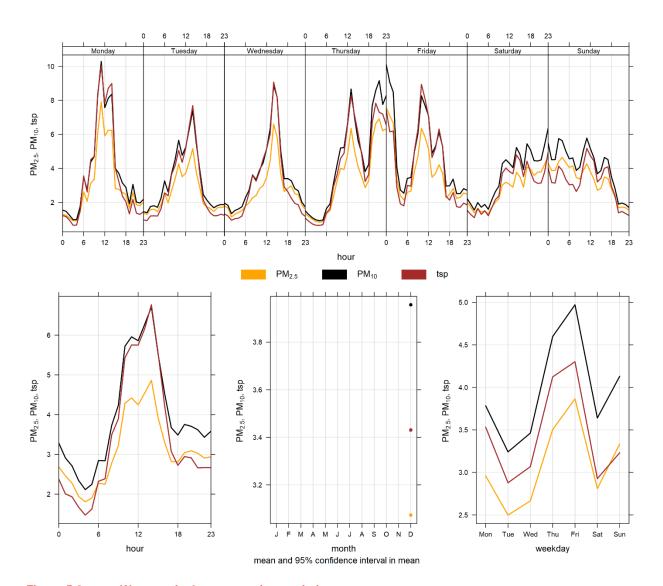


Figure 5-3 West particulate matter time variation

6 BERM INDUSTRIAL GRIMM

6.1 OPERATIONAL SUMMARY

A summary of the station operation for the month is provided in Table 6-1.

Table 6-1 Instrumentation List at the Berm monitoring location

Parameter Measured	Equipment Description	Notes
PM _{2.5} , PM ₁₀ , TSP Concentrations	GRIMM 365 Continuous Particulate Monitor	The analyzer had 100% uptime for the month of December.

6.2 MONITORING RESULTS AND TRENDS

The Berm monitor was placed at its current location as a result of the dispersion modelling conducted for the facility in 2009. Figure 6-1 and Figure 6-2 show the hourly and daily PM_{2.5}, PM₁₀ and TSP concentrations recorded over the month. Table 6-2 summarizes the maximum 1-hour and 24-hour PM concentrations recorded during the month, and Table 6-3 summarizes the recorded exceedances. This is an industrial monitor that is not Alberta Air Monitoring Directive (AMD) compliant and is not required to show compliance with the AAAQO.

There were 16 and 2 exceedances of the 24-hour TSP ($100 \,\mu g/m^3$) and $PM_{2.5}$ ($29 \,\mu g/m^3$) guidelines, respectively. There were 12 hours exceeding the 1-hour $PM_{2.5}$ AAAOG.

Historically during the month of December, the Berm monitor records an average of 16 and 1 exceedances of the 24-hour TSP and PM_{2.5} guidelines, respectively. The maximum number of TSP exceedances recorded during December occurred in 2011 where there were 24 days that exceeded the guideline. On the other hand, the maximum number of PM_{2.5} exceedances in December was 12 days in 2018.

It should also be noted that the GRIMM monitors become more conservative in the reported PM concentrations as the size fraction increases. The $PM_{2.5}$ size fraction has been shown to match other regulatory approved $PM_{2.5}$ monitors, but the TSP concentrations recorded by the GRIMM tend to be higher than regulatory approved monitors (Levelton, 2015).

The Berm monitor is located along a ridge at the edge of the Lafarge property and is in an area where on-site trucks drive through site, which can create fugitive dust. Quarry blasting also has the potential to impact short term PM immediately following a blast. The low precipitation and strong wind gusting that occurred in December would have contributed to increased particulate levels that may have arisen from multiple sources: Lafarge Plant, Exshaw Creek, Lac des Arcs lake, dry sections of the Bow River, roads (sanding from previous snowstorms) and open areas. Most of the TSP exceedances recorded were associated with high wind events in December.

Table 6-2 Summary of December 2020 data at the Berm GRIMM

	Guio	deline		Exce	edances	Mont	thly		Maxi	mum 1-	hour	Maximum	- Operational		
Parameter	1- hr	24- hr	Station	1-hr	24-hr	Minimum	Average	Maximum Concentration	Day	Hour	Wind Speed (km/hr)	Wind Direction (degrees)	Maximum Concentration	Day	Time (Percent)
PM _{2.5} (μg/m ³)	80	29	Berm	12	2	0.2	11.1	219.9	18	15	47.4	257.9	67.9	18	100.0
PM ₁₀ (μg/m ³)	-	-	Berm	-	-	0.2	83.2	1879.7	18	15	47.4	257.9	572.9	18	100.0
TSP (μg/m³)	-	100	Berm	-	16	0.1	288.6	3952.6	18	15	47.4	257.9	1693.8	18	100.0

Table 6-3 Days exceeding the Guideline for TSP or PM_{2.5} at the Berm Monitor

Date	TSP (ug/m³)	PM _{2.5} (ug/m ³)	Average Wind Direction (degrees)	Average Wind Speed (km/hr)	Average RH (%)	Root Cause (Provided by Lafarge)
			Berm			
2020-12-01	272.4	-	273.9	27.3	38.5	High wind event
2020-12-05	183.2	-	297.1	31.1	53.2	High wind event
2020-12-06	582.2	-	275.7	32.8	42.9	High wind event
2020-12-07	400.2	-	260.1	37.1	39.4	High wind event
2020-12-13	130.8	-	76.9	14.3	79.5	Winds predominately from the west
2020-12-15	525.9	-	263.4	28.0	49.9	High wind event
2020-12-16	733.3	-	262.7	28.9	47.4	High wind event
2020-12-17	494.5	-	260.1	24.7	54.7	High wind event
2020-12-18	1693.8	67.9	255.8	37.1	48.7	High wind event
2020-12-19	1577.6	57.9	264.7	42.9	33.8	High wind event
2020-12-20	147.8	-	269.8	17.4	63.1	Winds predominately from the west
2020-12-21	134.8	-	278.0	16.2	61.8	Winds predominately from the west
2020-12-23	806.2	-	289.6	28.3	61.6	High wind event
2020-12-24	334.5	-	295.6	22.2	61.3	High wind event
2020-12-30	283.2	-	287.6	28.2	60.9	High wind event

2020-12-31	129.5	-	280.3	23.1	60.6	High wind event
Total # of Exceedances	16	2				
Maximum # of Exceedances (December)	24 (2011)	12 (2018)				
Average # of Exceedances (December)	16	1				
Minimum # of Exceedances (December)	8 (2019)	0 (2012, 2013, 2015, 2016, 2017, 2019)				

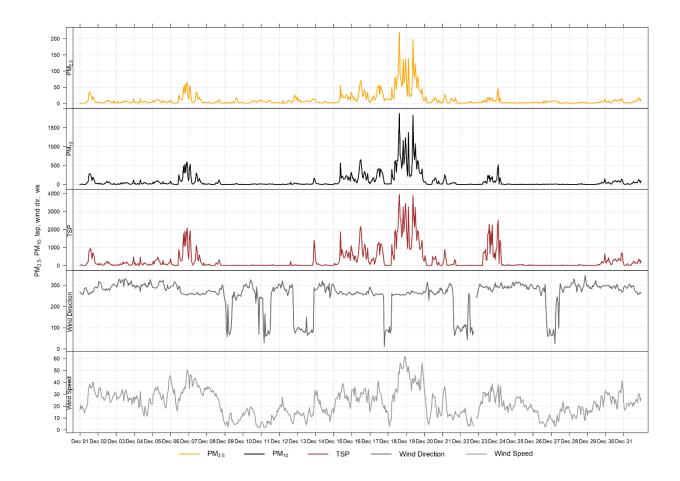


Figure 6-1 1-hour particulate matter concentrations recorded at the Berm monitor

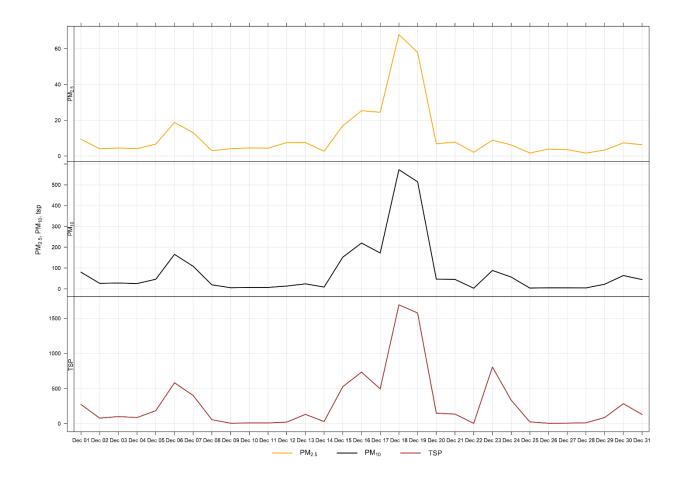


Figure 6-2 24-hour particulate matter concentrations recorded at the Berm monitor

Figure 6-3 shows the wind rose for the 16 days of TSP exceedances. The wind rose shows that the winds predominantly came from the west direction, and were predominately over 20 km/hr.

Figure 6-4 shows the variation of PM recorded at the Berm monitor over various time averaging periods. The Berm monitor diurnal pattern, similar to the Windridge and Lagoon stations, is associated with Lafarge operations, but also daytime emissions from other activities and sources in Exshaw.

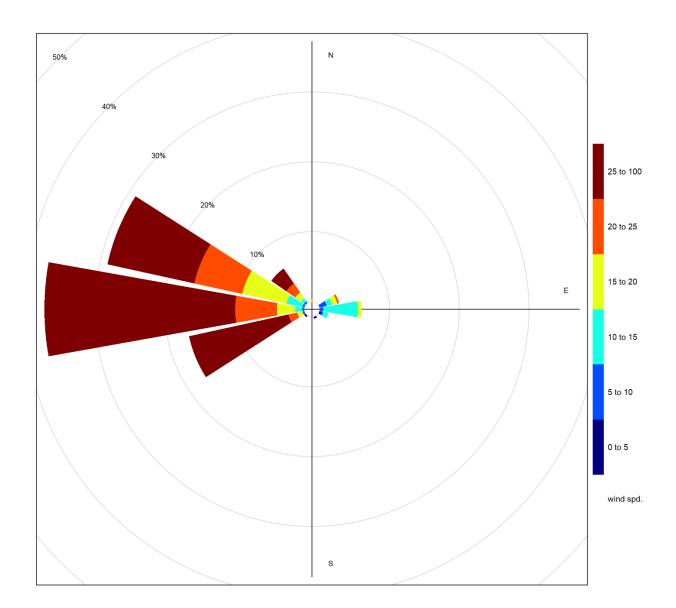


Figure 6-3 Wind rose for TSP exceedance days recorded at the Berm GRIMM

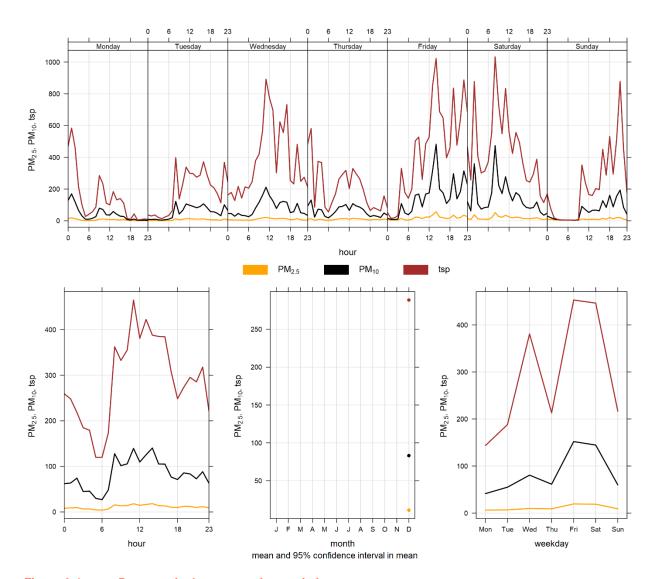


Figure 6-4 Berm particulate matter time variation

7 ENTRANCE INDUSTRIAL GRIMM

7.1 OPERATIONAL SUMMARY

A summary of the station operation for the month is provided in Table 7-1.

Table 7-1 Instrumentation List at the Entrance monitoring location

Parameter Measured	Equipment Description	Notes
PM _{2.5} , PM ₁₀ , TSP Concentrations	GRIMM 365 Continuous Particulate Monitor	The analyzer had 97.2% uptime for the month of December, due to 21 hours of power failure occurring on December 22 nd at 18:00 to December 23 rd at 14:00.

7.2 MONITORING RESULTS AND TRENDS

The Entrance monitor was placed at its current location as a result of dispersion modelling conducted in 2009. This area was indicated as being the area where the maximum PM concentrations were expected. Figure 7-1 and Figure 7-2 show the hourly and daily $PM_{2.5}$, PM_{10} and TSP concentrations recorded over the month. Table 7-2 summarizes the maximum 1-hour and 24-hour PM concentrations recorded during the month. Table 7-3 summarizes the recorded exceedances. This is an industrial monitor that is not Alberta Air Monitoring Directive (AMD) compliant and is not required to show compliance with the AAAQO.

During the month of December, there were 14 and zero exceedances of the 24-hour TSP ($100 \,\mu g/m^3$) and $PM_{2.5}(29 \,\mu g/m^3)$ guidelines, respectively.

Historically, the Entrance monitor records an average of 17 and zero exceedances of the 24-hour TSP and $PM_{2.5}$ guidelines respectively, during the month of December. The maximum number of TSP exceedances recorded during December occurred in 2013, which had 27 days that exceeded the guideline. The minimum number of TSP exceedances recorded during December occurred in 2019, which had 8 days that exceeded the guideline. On the other hand, the maximum number of $PM_{2.5}$ exceedances recorded during the month of December was 5 days in 2014.

It should also be noted that the GRIMM monitors become more conservative in the reported PM concentrations as the size fraction increases. The $PM_{2.5}$ size fraction has been shown to match other regulatory approved $PM_{2.5}$ monitors, but the TSP concentrations recorded by the GRIMM tend to be higher than regulatory approved monitors (Levelton, 2015).

The Entrance monitor is impacted by fugitive dust from plant activities, and high wind events. Trucks also pass near to the Entrance monitor as they enter and exit the Lafarge facility for loading and deliveries. Additionally, the monitor is closely located to Highway 1A. Traffic, particularly large trucks, can create dust while crossing over the railway tracks. This can all lead to the monitor recording high TSP concentrations, which are typically associated with fugitive dust sources.

The low precipitation and strong wind gusting that occurred in December would have contributed to increased particulate levels that may have arisen from multiple sources: Lafarge Plant, Exshaw Creek, Lac des Arcs lake, dry

sections of the Bow River, roads (sanding from previous snowstorms) and open areas. Most of the TSP exceedances recorded were associated with high wind events in December.

Figure 7-3 shows the wind rose for the 14 days that exceeded the TSP Guideline. The wind rose indicates that the winds predominantly came from the west direction, and were predominately over 20 km/hr.

Table 7-2 Summary of December 2020 data at the Entrance GRIMM

	Gui	ideline		Excee	edances	Mon	thly		kimum 1	Maximum 24-	Operational				
Parameter	1-hr	24-hr	Station			Minimum	Average	Maximum Concentration	Day	Hour	Wind Speed (km/hr)	Wind Direction (degrees)	Maximum Concentration	Day	Operational Time (Percent)
PM _{2.5} (μg/m ³)	80	29	Entrance	0	0	0.4	10.3	46.3	5	20	31.1	302.2	28.3	5	97.2
$PM_{10} \ (\mu g/m^3)$	-	-	Entrance	-	-	0.7	52.9	369.1	24	1	33.5	295.1	201.8	5	97.2
TSP (μg/m³)	-	100	Entrance	-	14	0.5	175.4	3482.9	24	1	33.5	295.1	639.9	5	97.2

Table 7-3 Days exceeding the Guideline for TSP or PM_{2.5} at the Entrance Monitor

Date	TSP (ug/m³)	PM _{2.5} (ug/m ³)	Average Wind Direction (degrees)	Average Wind Speed (km/hr)	Average RH (%)	Root Cause (Provided by Lafarge)
		E	ntrance			
2020-12-01	255.8	-	273.9	27.3	38.5	High wind event
2020-12-02	315.5	-	293.3	28.9	56.3	High wind event
2020-12-03	507.6	-	314.4	27.7	52.8	High wind event
2020-12-04	309.3	-	298.8	21.1	51.0	High wind event
2020-12-05	639.9	-	297.1	31.1	53.2	High wind event
2020-12-06	170.1	-	275.7	32.8	42.9	High wind event
2020-12-07	132.2	-	260.1	37.1	39.4	High wind event
2020-12-13	133.9	-	76.9	14.3	79.5	Winds predominantly from the west
2020-12-18	218.1	-	255.8	37.1	48.7	High wind event
2020-12-19	267.7	-	264.7	42.9	33.8	High wind event
2020-12-24	522.4	-	295.6	22.2	61.3	High wind event
2020-12-25	180.0	-	303.1	22.2	65.2	High wind event
2020-12-29	129.5	-	297.0	21.4	68.2	High wind event
2020-12-30	193.4	-	287.6	28.2	60.9	High wind event
Total # of Exceedances	14	0				

Maximum # of Exceedances (December)	27 (2013)	5 (2014)	
Average # of Exceedances (December)	17	0	
Minimum # of Exceedances (December)	8 (2019)	0 (2011, 2012, 2013, 2015, 2016, 2019)	

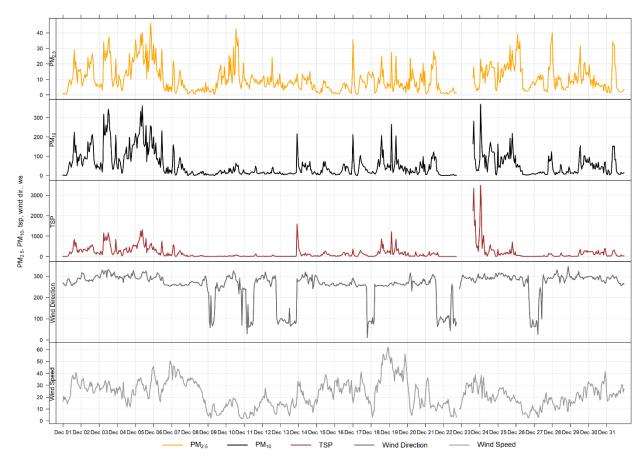


Figure 7-1 1-hour particulate matter concentrations recorded at the Entrance monitor

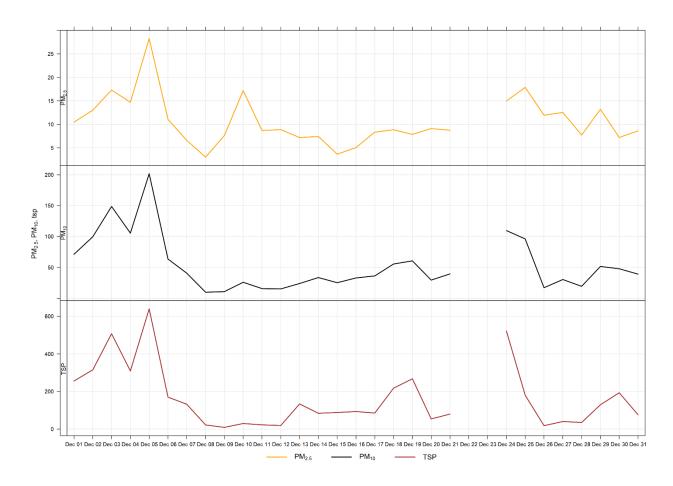


Figure 7-2 24-hour particulate matter concentrations at the Entrance monitor

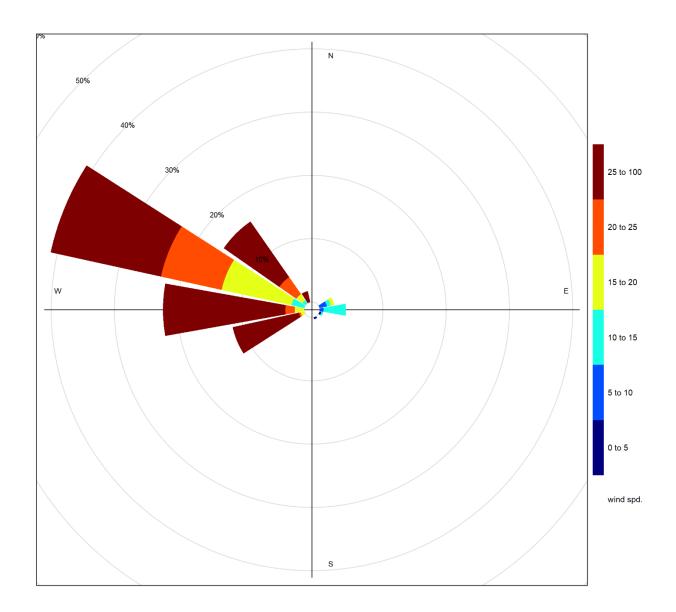


Figure 7-3 Wind rose for TSP exceedance days recorded at the Entrance GRIMM

Figure 7-4 illustrates the hourly PM concentrations recorded at the Entrance monitor, averaged over different time periods. The plot across the top shows the variation of PM over the course of a week, while the bottom three plots show the changes in PM over the course of a day, month and weekday, respectively. Figure 7-4 is based on data collected during December 2020. The diurnal pattern differs from the Windridge, Lagoon and Berm stations and are likely more influenced by daytime traffic emission (from vehicles serving Lafarge as well as regular highway traffic) given its location near the highway entrance to Lafarge.

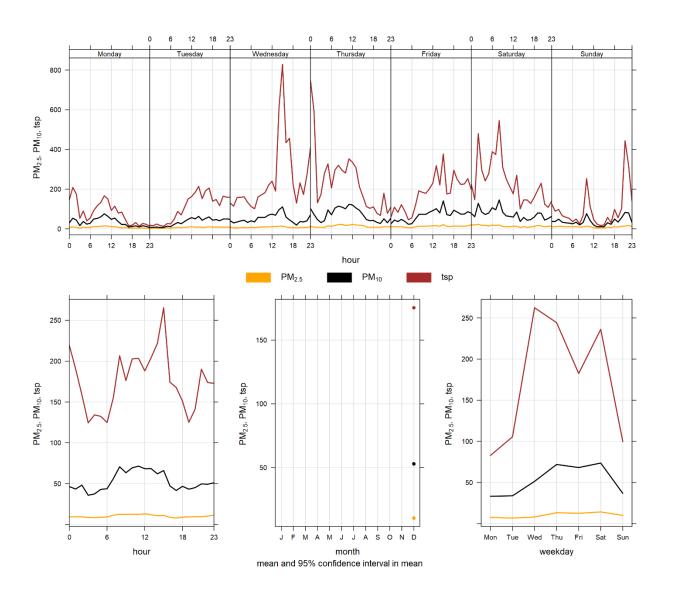


Figure 7-4 Entrance particulate matter time variation

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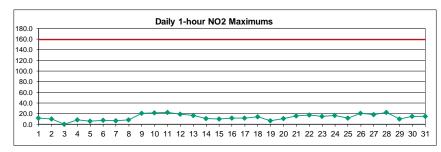
APPENDIX

A DATA & CALIBRATION REPORTS

APPENDIX

Lagoon NO₂ (ppb) – December 2020

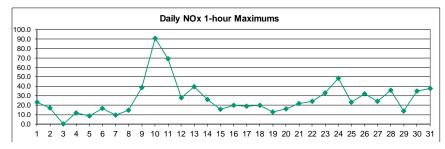
	HOUR																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	2.2	S	4.8	4.0	11.7	2.6	5.5	5.2	7.4	8.2	2.8	2.2	3.5	5.4	4.0	4.1	3.0	3.7	4.2	5.2	6.0	4.5	6.1	5.2	4.9	11.7
2	5.8	S	5.0	4.5	4.6	5.5	6.8	7.5	7.1	9.8	9.4	5.6	6.1	8.7	7.2	7.8	8.2	6.8	7.4	6.3	5.9	6.7	7.4	6.1	6.8	9.8
3	5.9	S	3.7	3.8	2.9	3.2	4.2	3.4	С	С	С	С	С	С	4.5	6.5	6.7	6.6	6.8	5.2	6.6	6.1	7.0	7.4	-	-
4	4.3	S	4.6	4.1	3.0	2.6	3.7	4.5	6.8	5.3	5.2	7.5	6.0	5.6	6.4	8.5	7.0	6.7	5.7	5.9	5.7	3.5	7.2	6.7	5.5	8.5
5	5.1	s	5.0	4.9	4.9	4.7	4.9	3.9	4.7	3.7	3.8	3.8	3.6	2.7	4.0	4.6	5.5	6.3	6.1	5.9	5.8	6.2	4.9	4.0	4.7	6.3
6	3.5	S	3.6	6.0	4.7	3.5	3.4	4.4	4.0	7.7	3.7	3.8	4.2	6.2	2.8	5.1	7.4	6.7	3.0	2.9	2.0	1.8	2.2	2.6	4.1	7.7
7	2.9	S	2.6	1.3	2.4	1.7	1.9	2.6	5.7	2.5	5.6	5.9	1.9	2.4	2.7	2.8	4.8	6.6	3.8	1.4	3.7	1.5	3.2	1.9	3.1	6.6
8	3.6	S	2.5	3.7	1.6	4.5	3.2	8.1	8.8	7.7	7.5	6.2	5.7	3.1	3.0	4.8	5.6	5.9	8.8	6.5	6.8	5.2	7.8	7.7	5.6	8.8
9	12.9	S	11.5	12.4	6.9	7.5	5.8	3.0	1.6	13.2	12.7	17.2	12.9	12.0	15.2	21.0	20.7	14.3	13.3	11.9	10.2	6.9	7.4	4.9	11.1	21.0
10	4.3	S	5.7	3.0	3.0	3.3	5.5	7.9	7.6	6.8	6.4	5.8	6.0	7.0	11.8	15.3	17.8	17.3	18.4	16.2	17.2	18.9	17.4	21.5	10.6	21.5
11	22.0	S	18.4	16.9	16.9	18.5	17.2	16.8	16.1	12.7	11.3	9.5	9.1	11.5	6.5	8.1	11.7	11.3	9.0	7.7	8.6	7.5	7.4	6.0	12.2	22.0
12	6.4	S	7.0	6.3	5.9	5.9	7.0	8.7	13.8	15.0	12.3	16.8	13.2	12.4	13.1	13.4	12.6	13.9	19.0	17.1	11.7	7.7	6.2	2.8	10.8	19.0
13	3.0	S	2.5	2.4	2.9	5.0	5.7	7.9	5.9	6.4	9.4	10.8	15.6	14.2	13.4	15.6	9.5	8.5	7.0	16.5	9.4	4.3	4.5	3.4	8.0	16.5
14	3.5	s	4.1	4.3	2.8	3.4	6.6	4.2	6.6	6.7	7.0	6.1	5.3	3.8	5.8	4.3	5.7	9.8	5.3	6.1	10.6	5.4	6.3	4.0	5.6	10.6
15	4.0	s	5.2	7.2	3.3	3.9	3.3	9.8	9.5	8.2	6.3	2.4	2.2	2.3	5.0	3.1	2.9	3.3	3.8	2.6	3.3	2.6	3.1	1.5	4.3	9.8
16	1.6	S	4.9	3.6	2.9	5.7	5.1	11.1	8.9	11.8	10.0	7.8	6.1	2.8	1.7	3.3	2.4	2.3	1.1	1.8	7.9	1.0	4.8	5.2	4.9	11.8
17	11.5	S	6.5	2.9	1.6	1.6	2.5	4.5	7.2	3.1	2.3	3.9	4.3	4.2	6.9	5.4	4.2	3.5	4.7	7.6	8.5	7.7	7.7	6.7	5.2	11.5
18	7.0	s	13.8	11.6	4.1	4.3	2.2	7.9	6.0	4.3	2.8	3.9	3.5	1.8	3.7	1.6	1.8	1.2	1.4	1.4	1.6	1.7	1.4	2.5	4.0	13.8
19	1.9	s	4.9	1.7	2.3	2.0	5.7	4.4	4.1	6.0	4.6	4.6	7.1	3.3	6.3	4.1	3.3	4.3	5.1	2.0	1.8	1.8	3.0	3.9	3.8	7.1
20	3.2	s	3.3	2.8	3.6	3.1	7.1	6.7	8.8	6.0	5.3	6.4	6.1	1.9	7.4	8.1	11.1	10.9	9.6	5.6	3.0	8.2	5.5	8.0	6.2	11.1
21	9.9	s	4.7	6.1	5.1	6.7	9.2	9.4	11.3	8.4	12.1	11.1	11.9	15.9	5.8	7.4	14.3	4.9	3.1	3.6	5.8	7.9	5.3	10.7	8.3	15.9
22	8.0	s	2.5	3.0	1.7	1.4	1.4	4.1	14.9	17.8	17.0	17.0	15.3	3.9	2.2	3.0	9.4	Р	Р	P	4.2	8.5	9.5	10.9	7.8	17.8
23	7.2	S	10.4	11.1	14.7	9.9	9.4	13.4	10.2	12.0	13.3	9.8	5.9	12.0	10.8	6.2	6.8	5.5	7.1	7.8	12.2	14.7	14.3	15.4	10.4	15.4
24	14.7	S	9.5	17.0	12.8	5.5	4.1	12.4	16.5	7.6	9.8	8.9	10.2	6.7	7.9	9.9	12.1	11.1	9.4	9.0	3.5	5.0	6.0	4.7	9.3	17.0
25	2.7	s	2.4	2.9	2.9	3.4	2.8	3.7	3.0	2.9	2.8	3.8	8.3	4.5	8.3	10.4	5.0	5.7	11.5	7.0	4.5	2.8	4.5	6.7	4.9	11.5
26	10.5	s	12.0	14.5	11.3	10.2	6.5	8.6	10.2	20.9	15.7	11.8	7.4	6.4	8.9	11.2	17.7	14.6	8.0	8.5	8.3	4.8	4.8	8.6	10.5	20.9
27	8.8	s	7.8	8.3	11.3	10.7	13.1	17.9	15.1	12.7	8.7	6.0	7.3	5.8	8.3	8.4	10.2	5.4	7.3	11.6	12.2	5.2	4.6	7.2	9.3	17.9
28	5.3	s	11.9	17.0	9.9	6.1	7.4	9.1	8.1	13.2	10.2	15.6	12.5	12.6	10.1	6.3	5.6	8.0	11.6	15.7	22.7	8.0	7.0	7.4	10.5	22.7
29	8.5	s	8.1	9.8	7.3	6.3	6.7	7.1	8.8	7.5	7.1	5.8	5.4	6.1	6.2	7.5	6.6	7.1	5.2	5.9	7.8	5.9	5.8	7.4	7.0	9.8
30	8.8	s	13.9	11.6	13.3	10.3	11.1	9.3	11.9	14.8	13.1	12.0	6.8	7.6	14.5	11.5	8.8	5.4	8.6	6.1	2.6	2.6	5.5	9.2	9.5	14.8
31	12.1	s	9.9	8.8	11.6	10.7	14.6	11.0	12.1	14.5	13.1	13.0	14.7	8.6	10.5	4.3	8.8	3.6	1.5	1.4	2.4	4.3	5.7	1.6	8.6	14.7
an ver																										
NO.	31	-	31	31	31	31	31	31	30	30	30	30	30	30	31	31	31	30	30	30	31	31	31	31	704	99.6%
MEAN	6.8	-	6.9	7.0	6.3	5.6	6.2	7.7	8.8	9.3	8.4	8.2	7.6	6.7	7.2	7.5	8.3	7.4	7.2	7.1	7.2	5.8	6.2	6.5		
MAX	22.0	-	18.4	17.0	16.9	18.5	17.2	17.9	16.5	20.9	17.0	17.2	15.6	15.9	15.2	21.0	20.7	17.3	19.0	17.1	22.7	18.9	17.4	21.5		

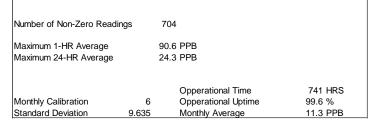


Number of 1HR Exceedences		0	
Number of Non-Zero Readings		704	
Maximum 1-HR Average Maximum 24-HR Average	_	22.7 PPB 12.2 PPB	
Monthly Calibration	6	Opperational Time Opperational Uptime	741 HRS 99.6 %

Lagoon NOx (ppb) – December 2020

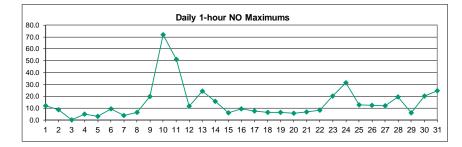
	HOUR												-	-												
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	2.1	S	5.5	4.3	23.3	3.9	6.7	7.4	8.9	11.1	3.6	3.0	5.9	9.7	6.0	5.0	3.5	5.2	5.7	8.5	8.9	5.7	10.5	7.1	7.0	23.3
2	6.4	S	5.3	6.1	5.2	6.2	8.6	8.9	7.7	14.9	14.3	8.0	10.5	16.9	8.4	8.8	10.8	6.8	7.2	7.5	6.1	6.5	10.0	5.9	8.6	16.9
3	5.8	S	3.9	4.1	2.8	3.2	5.6	3.4	С	С	С	С	С	С	5.3	8.1	7.3	6.8	7.1	5.3	8.8	8.5	9.5	10.2	-	-
4	5.8	s	5.4	4.8	3.4	2.9	4.3	6.6	8.4	7.3	7.2	12.0	7.8	9.2	9.0	11.6	7.9	8.9	6.4	7.6	8.3	3.7	10.5	8.2	7.3	12.0
5	7.8	S	6.5	6.9	6.3	6.2	6.4	4.3	6.0	4.1	4.1	4.3	5.2	3.3	6.2	5.6	6.5	7.8	8.4	6.3	5.9	6.7	5.3	4.3	5.8	8.4
6	4.0	S	4.9	10.2	5.7	3.6	4.6	5.1	4.1	16.4	5.3	5.7	5.6	8.4	3.2	6.3	9.7	7.8	3.3	3.2	2.1	1.8	2.5	3.0	5.5	16.4
7	3.4	s	3.2	1.4	3.0	2.0	2.4	3.7	8.4	3.4	8.4	9.5	2.8	3.2	3.1	3.2	5.6	8.8	4.0	1.4	4.8	1.5	4.4	2.1	4.1	9.5
8	5.2	s	3.9	6.0	1.8	7.8	3.9	12.8	14.6	12.8	12.5	10.7	10.4	4.2	4.1	6.4	6.3	6.5	11.8	8.7	9.2	5.2	8.0	7.8	7.9	14.6
9	14.5	s	16.4	13.0	7.0	9.4	8.5	3.6	2.0	19.1	18.8	36.6	19.1	18.1	22.2	36.4	38.7	19.3	15.0	12.4	11.3	9.3	11.8	5.2	16.0	38.7
10	4.3	S	9.6	3.2	3.1	3.4	8.5	10.7	9.4	8.2	12.2	9.1	11.9	10.1	18.8	23.3	20.6	21.9	24.7	22.2	43.4	90.6	53.7	42.7	20.2	90.6
11	41.3	S	69.2	38.2	31.8	60.2	55.2	46.2	20.3	17.7	17.5	14.6	17.2	26.2	8.8	13.1	14.8	14.1	9.2	8.0	11.3	8.4	9.3	6.2	24.3	69.2
12	7.6	S	8.1	7.4	10.1	9.2	8.3	11.6	20.1	26.0	18.1	28.0	21.8	19.9	17.6	17.2	13.3	14.9	23.1	21.9	15.7	9.5	7.3	2.9	14.8	28.0
13	3.1	S	2.7	2.6	3.1	5.2	5.9	11.1	6.6	8.1	14.4	17.2	39.7	37.3	36.1	39.5	14.3	12.0	8.8	36.2	17.4	5.0	8.0	4.2	14.7	39.7
14	5.8	s	7.7	6.7	3.3	4.1	9.2	4.5	8.2	9.4	12.2	12.0	11.0	5.3	10.0	5.1	6.2	18.1	5.5	6.6	25.8	6.6	10.0	4.3	8.6	25.8
15	5.3	S	8.7	10.9	4.6	6.3	4.4	15.4	15.1	13.0	11.1	4.7	3.1	3.0	7.2	3.8	3.5	4.0	4.8	3.6	4.1	2.8	4.3	1.8	6.3	15.4
16	2.0	S	6.5	4.5	4.1	8.7	6.5	20.1	11.4	16.7	16.1	13.2	8.9	3.7	2.3	4.6	3.0	3.2	1.2	1.9	14.4	1.2	5.8	7.0	7.2	20.1
17	18.7	s	9.3	3.5	1.7	1.9	2.8	7.3	10.1	4.4	3.4	5.8	5.9	5.7	10.5	6.8	5.4	4.1	4.9	7.8	9.2	7.9	8.4	6.9	6.6	18.7
18	7.3	s	19.7	13.1	4.6	5.6	2.5	10.7	9.1	5.5	3.5	5.2	4.9	2.2	5.7	1.7	2.4	1.4	1.6	1.5	1.9	2.0	1.6	3.2	5.1	19.7
19	2.3	S	7.4	2.1	2.7	2.3	9.6	6.6	5.6	9.4	7.6	7.9	12.8	4.6	9.1	5.5	4.8	5.4	8.0	2.4	2.1	2.1	4.4	6.5	5.7	12.8
20	3.8	S	5.0	3.2	3.6	3.2	11.1	9.2	12.7	8.4	7.4	10.6	9.1	2.5	10.2	11.2	13.6	16.1	11.6	6.1	3.1	10.9	9.0	9.8	8.3	16.1
21	14.4	S	6.0	9.2	7.0	7.7	13.6	12.0	16.4	10.7	15.2	14.1	14.8	21.5	6.7	8.6	20.6	5.5	3.1	3.8	6.0	8.4	5.7	12.2	10.6	21.5
22	9.4	S	2.7	3.1	1.7	1.5	1.6	4.7	19.3	21.5	23.1	24.3	23.1	5.0	3.4	3.4	13.3	Р	Р	Р	6.7	8.8	11.9	16.4	10.2	24.3
23	9.0	S	23.1	23.2	32.2	21.4	18.4	29.4	20.9	25.4	33.1	19.8	9.6	22.3	20.0	9.7	10.1	8.5	11.0	12.4	19.8	26.2	28.5	32.3	20.3	33.1
24	32.3	S	16.8	48.2	32.6	11.2	6.6	27.6	38.2	10.9	20.6	18.2	24.3	12.7	16.7	18.9	24.8	18.5	15.5	15.0	3.8	6.7	10.5	7.2	19.0	48.2
25	2.9	S	2.7	5.1	4.2	3.7	3.2	5.3	4.6	3.5	4.3	7.3	17.2	8.0	17.2	22.8	8.3	7.6	23.0	9.7	6.0	3.1	5.3	9.4	8.0	23.0
26	18.0	s	21.1	26.5	19.2	17.1	7.7	10.2	10.8	31.9	22.1	18.2	10.3	8.8	12.2	14.8	19.6	15.5	8.7	9.1	10.6	4.9	5.0	12.7	14.6	31.9
27	9.2	S	11.3	9.8	14.0	11.7	14.1	24.2	19.8	17.9	12.7	10.5	14.0	8.5	11.7	11.3	16.3	5.9	9.9	23.5	21.6	6.4	5.7	10.9	13.1	24.2
28	8.7	s	23.4	35.0	15.3	8.5	11.5	12.4	8.8	20.5	18.9	35.0	28.1	26.3	17.5	7.8	6.4	11.0	16.9	19.2	35.7	13.1	10.8	8.0	17.3	35.7
29	10.6	S	8.8	13.6	7.5	6.6	8.2	8.3	10.1	12.4	11.2	8.8	9.9	10.4	8.4	13.2	8.4	10.0	6.6	7.9	11.0	11.3	8.2	13.0	9.7	13.6
30	17.0	S	33.5	31.6	30.6	22.0	23.9	14.4	20.6	34.8	29.8	23.1	12.5	12.3	27.3	19.9	15.5	8.4	13.0	9.9	3.3	4.6	8.8	16.0	18.8	34.8
31	21.4	S	17.6	16.6	21.2	20.4	30.3	24.7	26.7	36.7	37.6	32.5	37.8	16.5	18.6	6.0	13.0	3.9	1.6	1.5	2.9	7.3	9.0	1.8	17.6	37.8
NG	04		04	04	0.4	0.4	04	04	00	00	00	00	00	00	04	04	0.4	00	00	00	0.4	0.4	04	0.4	704	00.00/
NO.	31	-	31	31	31	31	31	31	30	30	30	30	30	30	31	31	31	30	30	30	31	31	31	31	704	99.6%
MEA		-	12.1	12.1	10.2	9.3	10.1	12.3	12.8	14.7	14.2	14.3	13.8	11.5	11.7	11.6	11.4	9.6	9.4	9.7	11.0	9.6	9.8	9.3		
MAX	41.3	-	69.2	48.2	32.6	60.2	55.2	46.2	38.2	36.7	37.6	36.6	39.7	37.3	36.1	39.5	38.7	21.9	24.7	36.2	43.4	90.6	53.7	42.7		

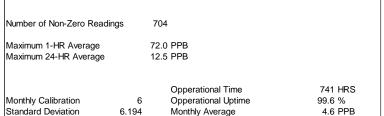




Lagoon NO (ppb) – December 2020

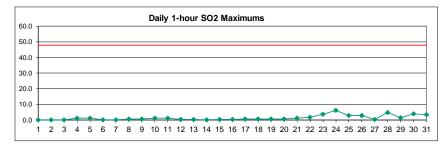
	HOL	JR .																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	0.3	s	1.2	0.8	12.1	1.7	1.7	2.7	2.0	3.3	1.1	1.2	2.8	4.6	2.4	1.4	0.9	1.9	1.9	3.7	3.3	1.5	4.9	2.3	2.6	12.1
2	1.1	s	0.8	2.0	1.1	1.2	2.3	1.8	1.0	5.5	5.4	2.9	4.8	8.5	1.6	1.4	3.0	0.5	0.4	1.7	0.7	0.3	3.0	0.2	2.2	8.5
3	0.3	s	0.6	0.7	0.3	0.4	1.8	0.4	С	С	С	С	С	С	1.4	2.1	1.2	8.0	1.0	0.7	2.7	3.0	3.1	3.4	-	-
4	2.0	s	1.3	1.2	0.9	8.0	1.0	2.6	2.2	2.5	2.5	5.1	2.4	4.2	3.2	3.8	1.5	2.8	1.3	2.3	3.2	8.0	3.9	2.1	2.3	5.1
5	3.2	s	2.1	2.5	1.9	2.1	2.0	0.9	1.9	0.9	8.0	1.0	2.1	1.0	2.7	1.5	1.6	2.0	2.8	1.0	0.7	1.1	1.0	8.0	1.6	3.2
6	1.1	s	1.8	4.8	1.6	0.7	1.7	1.2	0.6	9.3	2.2	2.4	1.9	2.7	1.0	1.7	2.8	1.7	8.0	8.0	0.7	0.6	8.0	0.9	1.9	9.3
7	1.0	s	1.0	0.5	1.1	0.7	8.0	1.4	3.2	1.3	3.2	3.9	1.2	1.1	0.9	0.9	1.3	2.5	0.7	0.5	1.5	0.5	1.7	0.7	1.4	3.9
8	2.0	S	1.8	2.7	0.6	3.7	1.0	5.2	6.3	5.6	5.4	4.8	5.0	1.4	1.4	2.0	1.1	1.1	3.5	2.7	2.9	0.6	0.7	0.6	2.7	6.3
9	2.1	s	5.3	1.1	0.7	2.3	3.2	1.0	8.0	6.3	6.5	19.8	6.7	6.6	7.4	15.7	18.3	5.5	2.1	0.9	1.5	2.8	4.8	0.7	5.3	19.8
10	0.5	s	4.4	0.6	0.6	0.6	3.4	3.2	2.2	1.9	6.2	3.7	6.4	3.6	7.5	8.4	3.2	5.0	6.7	6.4	26.6	72.0	36.5	21.4	10.0	72.0
11	19.	s s	51.2	21.6	15.3	42.0	38.2	29.6	4.7	5.5	6.6	5.6	8.6	15.0	2.8	5.5	3.5	3.3	0.7	0.7	3.1	1.5	2.4	0.7	12.5	51.2
12	1.7	S	1.5	1.5	4.6	3.6	1.8	3.4	6.7	11.4	6.3	11.6	9.1	8.0	5.0	4.3	1.1	1.4	4.5	5.2	4.5	2.3	1.6	0.6	4.4	11.6
13	0.6		0.6	0.6	0.6	0.7	0.7	3.7	1.1	2.1	5.5	6.9	24.4	23.4	23.0	24.1	5.3	4.1	2.3	20.0	8.4	1.1	3.9	1.2	7.1	24.4
14	2.7		4.1	2.8	0.9	1.2	3.0	8.0	2.0	3.1	5.6	6.3	6.1	1.8	4.7	1.2	0.9	8.7	0.7	1.0	15.7	1.6	4.1	0.7	3.5	15.7
15	1.7		4.0	4.2	1.7	2.8	1.6	6.1	6.1	5.3	5.3	2.6	1.3	1.1	2.6	1.0	1.0	1.1	1.4	1.4	1.3	0.7	1.7	0.7	2.5	6.1
16	8.0		2.0	1.3	1.7	3.4	1.8	9.4	3.0	5.3	6.5	5.8	3.2	1.3	1.0	1.7	1.0	1.3	0.6	0.6	6.9	0.7	1.5	2.3	2.7	9.4
17	7.7		3.2	1.0	0.6	0.7	0.8	3.3	3.4	1.6	1.5	2.4	2.0	2.0	4.1	1.9	1.6	1.1	0.6	8.0	1.3	0.7	1.3	0.7	1.9	7.7
18	9.0		6.3	2.0	0.9	1.8	0.8	3.3	3.5	1.7	1.1	1.7	1.8	0.9	2.7	0.7	1.1	0.7	8.0	0.7	8.0	0.8	0.7	1.2	1.6	6.3
19	8.0		3.1	0.9	1.0	8.0	4.5	2.7	2.1	3.9	3.6	3.9	6.3	1.8	3.4	1.9	2.0	1.7	3.4	1.0	0.8	0.8	1.9	3.1	2.4	6.3
20	1.0		2.3	0.9	0.6	0.6	4.5	3.1	4.4	2.9	2.7	4.8	3.6	1.1	3.4	3.7	3.0	5.7	2.6	1.1	0.7	3.2	4.1	2.3	2.7	5.7
21	5.0		1.8	3.6	2.4	1.5	4.9	3.1	5.7	2.8	3.6	3.5	3.4	6.1	1.4	1.7	6.8	1.2	0.6	0.6	0.7	1.0	1.0	1.9	2.8	6.8
22	1.9		0.6	0.6	0.6	0.6	0.6	1.0	4.8	4.2	6.5	7.8	8.3	1.5	1.6	0.8	4.6	P	P	P	3.1	0.8	2.9	6.0	2.9	8.3
23	2.3		13.1	12.5	17.8	11.9	9.4	16.4	11.1	13.8	20.1	10.4	4.1	10.7	9.6	3.9	3.8	3.3	4.3	5.0	8.0	11.8	14.6	17.1	10.2	20.1
24 25	17.		7.6	31.4	20.0	6.0	2.9	15.6	21.9	3.7	11.2	9.6	14.5	6.4	9.1	9.4	13.0	7.8	6.5	6.5	0.6	2.0	4.9	2.9	10.1	31.4
26	0.7		0.6	2.5	1.6	0.7	0.8	1.9	1.9	1.0	1.8	3.8	9.3	3.8	9.3	12.7	3.7	2.3	11.9	3.1	1.9	0.6	1.1	3.1	3.5	12.7
20 27	7.8 0.9		9.5 3.9	12.4 1.9	8.3 3.1	7.2 1.4	1.7 1.3	1.9 6.5	1.1 5.1	11.3 5.5	6.8 4.4	6.7 4.9	3.3 7.1	2.8 3.0	3.8 3.9	4.0 3.3	2.3 6.4	1.2 0.8	1.1 2.9	0.9 12.2	2.7 9.8	0.5	0.6 1.4	4.4 4.0	4.5 4.1	12.4 12.2
28	3.6		11.8		5.8	2.7	4.5	3.6	1.2	7.7	9.1	19.6	15.9	14.1	7.8	1.9	1.2	3.3	5.7	3.8	13.2	1.5 5.4	4.2	1.0	7.2	19.6
29	2.5		1.2	4.2	0.6	0.6	1.9	1.6	1.6	5.3	4.4	3.4	4.9	4.7	2.6	6.0	2.2	3.3	1.7	2.3	3.7	5.8	2.8	5.9	3.2	6.0
30	8.7	s	19.9	20.3	17.5	12.1	13.2	5.5	9.1	20.2	17.0	11.4	6.1	5.1	13.1	8.8	7.1	3.3	4.7	4.1	1.0	2.3	3.7	7.1	9.6	20.3
31	9.7		8.1	8.1	10.0	9.9	16.0	14.0	14.9	22.5	24.7	19.8	23.3	8.3	8.5	2.1	4.6	0.7	0.5	0.5	0.9	3.4	3.6	0.5	9.3	24.7
888588	3.1	3	0.1	0.1	10.0	3.3	10.0	1-4.0	14.0	22.0	24.1	13.0	20.0	0.0	0.5	2.1	4.0	0.7	0.5	0.0	0.5	3.4	3.0	0.5	3.3	24.1
NO.	31		31	31	31	31	31	31	30	30	30	30	30	30	31	31	31	30	30	30	31	31	31	31	704	99.6%
MEA	1000	-	5.7	5.5	4.4	4.1	4.3	5.1	4.5	5.9	6.3	6.6	6.7	5.2	4.9	4.5	3.6	2.7	2.6	3.1	4.3	4.2	4.0	3.2		
MAX	888		51.2		20.0	42.0	38.2	29.6	21.9	22.5	24.7	19.8	24.4	23.4	23.0	24.1	18.3	8.7	11.9	20.0	26.6	72.0	36.5	21.4		

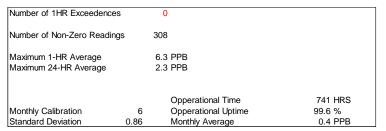




Lagoon SO₂ (ppb) – December 2020

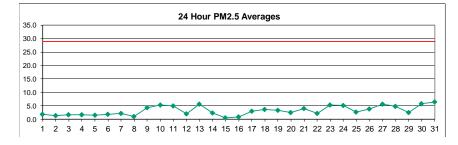
	HOUR																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	0.0	S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	S	0.0	0.0	0.0	0.0	0.0	0.0	С	С	С	С	С	С	0.2	0.0	0.0	0.2	0.0	0.0	0.0	1.1	2.4	1.7	-	-
4	0.2	s	0.0	1.2	1.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.6	1.0	0.0	0.0	0.0	0.1	0.1	0.2	0.5	0.0	0.0	0.0	0.2	1.2
5	0.0	S	0.5	0.1	0.5	0.7	1.1	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1
6	0.0	S	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
7	0.0	s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
8	0.3	S	0.0	0.1	0.0	0.0	0.4	0.0	0.3	0.3	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.5
9	0.0	S	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.3	0.4	0.0	0.0	0.6	0.4	0.3	0.2	0.4	0.0	0.1	0.0	0.0	0.3	0.2	0.6
10	0.0	S	0.3	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.2	0.0	0.0	0.4	1.2	0.5	0.6	0.2	1.2
11	0.3	S	0.5	0.3	0.3	0.0	1.1	0.4	0.0	0.1	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.2	1.1
12	0.0	S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
13	0.0	S	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
14	0.0	S	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
15	0.0	S	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.0	0.0	0.4	0.1	0.0	0.1	0.4
16	0.0	s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.0	0.2
17	0.2	s	0.2	0.4	0.1	0.0	0.4	0.5	0.0	0.3	0.0	0.7	0.3	0.2	0.0	0.7	0.3	0.0	0.1	0.2	0.2	0.0	0.2	0.0	0.2	0.7
18	0.1	s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.6	0.1	0.6
19	0.0	s	0.2	0.0	0.0	0.4	0.3	0.2	0.0	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.0	0.1	0.5
20	0.0	S	0.2	0.2	0.6	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6
21	0.0	S	0.2	0.0	0.5	0.0	0.4	0.0	1.2	0.0	8.0	0.1	0.3	0.0	0.0	0.0	0.3	0.2	0.4	0.0	0.1	0.0	0.2	1.1	0.3	1.2
22	0.6	S	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.7	0.0	0.0	0.0	0.6	Р	Р	Р	1.7	0.0	0.0	0.3	0.2	1.7
23	0.0	S	1.0	0.3	1.6	1.0	0.3	1.9	0.3	0.6	1.5	0.5	0.0	0.9	0.7	0.0	0.0	0.0	0.6	0.5	2.8	2.1	3.6	3.4	1.0	3.6
24	4.7	S	1.1	6.3	4.2	8.0	0.0	0.9	3.1	0.2	1.6	2.7	5.8	2.4	2.0	3.6	5.4	3.7	1.8	1.1	0.1	0.3	0.3	0.2	2.3	6.3
25	0.0	s	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.1	0.1	2.8	8.0	1.5	2.8	0.1	0.4	2.0	0.0	0.0	0.0	0.1	0.2	0.5	2.8
26	0.8	S	2.0	3.0	1.3	1.6	0.0	0.0	0.3	0.0	0.1	0.4	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.4	3.0
27	0.4	S	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.1	0.4
28	0.0	S	0.8	1.4	0.9	0.2	0.0	0.0	0.2	1.4	1.5	4.7	3.6	2.8	0.8	0.4	0.2	0.0	0.3	1.9	3.5	0.2	0.3	0.0	1.1	4.7
29	0.0	S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1	1.5
30	1.5	S	2.4	3.0	3.8	2.5	3.7	0.7	2.0	3.9	3.9	3.7	0.9	1.3	3.7	3.1	1.1	0.3	0.5	0.8	0.1	0.0	0.2	1.5	1.9	3.9
31	2.1	S	1.2	1.3	2.5	8.0	3.3	2.9	2.7	3.1	3.5	2.5	2.8	1.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	1.3	3.5
NO.	0.4		0.4	0.4	0.4	0.4	0.4	0.4	00	00	00	00	00	00	04	04	04	00	00	00	0.4	04	04	0.4	704	00.00/
MEAN	31	-	31	31	31	31	31	31	30	30	30	30	30	30	31	31	31	30	30	30	31	31	31	31	704	99.6%
MAX	88	-	0.4	0.6	0.6	0.3	0.4	0.3	0.3	0.4	0.5	0.6	0.6	0.4	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.4		
IVIAX	4.7	-	2.4	6.3	4.2	2.5	3.7	2.9	3.1	3.9	3.9	4.7	5.8	2.8	3.7	3.6	5.4	3.7	2.0	1.9	3.5	2.1	3.6	3.4		

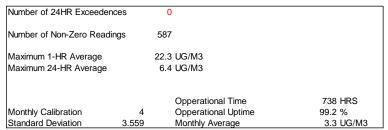




Lagoon $PM_{2.5}$ (µg/m³) – December 2020

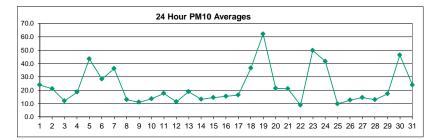
	HOUR												_		-												
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	ME	AN	MAX
1	0.0	0.0	0.0	0.7	3.0	2.8	1.0	0.0	0.0	3.4	4.3	0.0	0.3	2.2	1.9	1.9	2.2	1.4	0.5	1.5	4.7	4.4	4.7	3.7	1	.9	4.7
2	0.3	0.0	0.0	0.0	0.0	4.0	3.8	1.3	2.6	2.8	0.8	0.4	0.7	3.0	3.1	0.8	1.0	3.0	3.4	0.7	0.2	1.1	0.1	1.1	1	.4	4.0
3	3.6	2.8	8.0	0.4	0.0	0.0	0.0	1.6	2.5	1.8	С	С	С	С	0.0	0.0	3.0	2.9	0.0	2.0	6.5	4.2	1.2	1.9	1	.8	6.5
4	3.0	3.0	2.2	2.3	3.0	3.0	2.6	2.9	1.1	0.0	0.9	4.0	2.9	0.5	2.2	1.9	8.0	0.9	1.2	0.4	0.0	0.5	1.5	8.0	1.	.7	4.0
5	0.0	0.0	0.4	0.0	1.9	2.9	1.9	2.3	3.0	3.3	3.0	8.0	0.0	0.0	0.0	0.0	1.2	3.7	4.7	1.1	0.0	1.9	4.4	1.8	1.	.6	4.7
6	0.0	3.0	2.6	3.7	2.6	0.2	8.0	0.5	8.0	1.0	0.0	5.1	5.4	3.7	2.6	1.1	2.3	4.3	0.4	0.0	8.0	0.1	0.2	5.0	1	.9	5.4
7	2.5	0.0	3.7	4.7	0.0	0.0	0.0	0.0	0.0	2.0	9.0	7.6	5.8	2.9	1.2	4.4	3.6	0.0	0.1	0.0	3.1	2.2	0.3	0.0	_ 2	.2	9.0
8	0.0	1.7	1.5	1.2	2.2	1.1	0.1	0.1	1.5	0.0	0.5	5.0	3.6	1.2	8.0	0.2	0.0	0.5	1.2	0.9	0.0	0.0	0.0	0.0	1	.0	5.0
9	0.0	0.0	0.4	0.5	2.9	8.0	0.0	1.9	1.1	0.0	0.0	0.0	2.2	1.2	3.3	22.3	17.6	17.9	6.2	4.1	7.2	6.9	4.0	3.6	4	.3	22.3
10	0.0	0.0	0.1	1.9	3.7	2.2	0.0	0.0	0.0	0.0	1.6	5.8	5.2	8.0	12.3	11.6	9.4	8.7	5.6	10.5	9.4	7.3	11.9	11.2	5	.3	12.3
11	10.5	8.4	9.7	7.3	6.5	5.5	5.8	3.7	3.7	4.1	6.6	8.3	5.4	2.6	2.2	1.2	1.6	4.0	3.3	1.9	3.3	5.5	4.4	3.0	4	.9	10.5
12	1.5	0.0	1.9	3.0	2.9	2.2	0.0	0.0	0.0	0.0	0.0	1.2	2.6	4.7	2.6	0.5	1.9	3.7	3.7	3.7	5.5	4.4	1.9	2.3	2	.1	5.5
13	3.7	4.0	2.6	8.0	0.0	0.0	2.6	3.3	2.3	6.2	5.1	3.0	7.6	9.1	9.8	11.9	10.1	9.4	6.9	8.4	11.2	11.5	5.1	0.4	5	.6	11.9
14	0.5	2.6	1.1	0.0	0.0	0.0	0.0	0.0	8.0	0.9	3.6	3.4	9.4	5.8	2.0	9.4	6.2	3.0	1.5	0.4	8.0	0.9	1.9	2.2	2	.3	9.4
15	2.9	1.9	0.1	0.5	2.2	0.0	0.0	1.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.4	0.0	0.0	0.0	0.0	1.2	0.8	0	.5	2.9
16	0.0	0.0	0.0	1.2	1.5	0.0	0.0	4.7	2.9	0.4	8.0	1.5	1.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.3	0.8	0.0	0	.9	4.7
17	0.0	8.0	2.2	0.4	0.0	0.0	1.5	1.1	0.0	0.0	0.0	0.0	0.0	1.5	1.9	0.5	1.2	1.2	8.0	3.7	13.0	15.9	14.1	13.0	3	.0	15.9
18	10.9	14.4	13.4	14.8	10.1	4.0	0.0	1.2	0.1	0.0	0.0	0.0	0.0	3.7	3.7	1.9	0.0	4.3	5.1	0.1	0.0	0.0	0.0	0.0	3	.6	14.8
19	2.2	1.9	2.3	5.1	3.6	0.0	0.1	4.7	3.5	16.5	9.0	5.8	1.9	2.3	7.3	6.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0	4.4	3	4	16.5
20	5.4	1.5	0.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.6	5.5	4.1	6.2	4.4	1.9	1.6	6.2	5.1	3.3	2.3	4.0	3.7	2		6.2
21	3.0	5.6	2.6	8.0	0.0	0.5	2.6	2.9	1.8	0.0	0.0	3.9	22.3	14.9	19.7	4.4	3.0	1.2	2.2	3.3	0.0	0.0	0.1	0.0	3		22.3
22	0.0	0.0	0.0	0.0	1.9	8.0	0.0	0.0	0.0	2.6	3.3	4.4	5.1	4.4	1.9	0.4	14.1	Р	Р	Р	Р	Р	Р	0.0	2		14.1
23	1.9	2.3	7.2	6.9	6.9	8.0	5.4	3.0	7.3	9.0	6.9	7.2	7.3	5.5	4.7	4.0	1.9	4.8	5.5	3.6	1.9	5.8	5.0	6.2	5		9.0
24	6.9	6.9	10.5	7.0	12.3	9.7	5.4	0.1	0.2	8.5	5.5	7.2	4.9	8.7	6.9	2.6	0.0	0.0	3.3	4.0	5.1	4.7	2.6	0.8	5		12.3
25	1.5	1.2	0.0	0.0	1.9	2.6	0.1	1.2	1.5	0.8	0.0	0.0	0.0	1.5	2.3	5.5	8.4	4.4	3.0	12.3	7.9	3.0	3.0	3.6	, 2		12.3
26	4.7	5.5	10.5	6.9	4.4	3.3	4.0	2.2	3.3	5.1	4.0	1.9	4.4	3.3	0.0	0.0	1.5	2.4	4.4	3.3	3.0	4.4	4.1	6.5	3		10.5
27	6.5	4.8	6.2	5.9	9.5	8.7	8.7	5.6	11.2	8.7	7.6	5.1	2.2	3.3	3.7	0.8	0.1	1.2	3.7	4.4	8.4	9.8	6.5	3.7	5		11.2
28	3.0	3.0	1.6	1.2	6.5	4.7	0.0	0.0	0.0	2.6	5.8	4.1	13.0	9.8	7.2	4.0	1.9	2.6	6.6	6.9	7.0	13.7	8.3	3.3	4		13.7
29 20	4.4	5.4	3.3	1.2	1.5	1.5	0.4	0.5	1.2	1.6	0.8	2.6	2.9	0.4	0.0	1.2	1.9	4.9	4.0	1.2	3.7	6.5	3.3	4.0	2		6.5
30	3.7	3.3	6.5	7.6	8.4	10.1	6.9	8.7	6.9	7.3	13.0	11.5	6.9	3.0	6.2	6.9	7.6	4.7	3.7	4.0	1.5	0.8	0.8	0.8	5		13.0
31	4.1	8.7	5.8	3.7	4.4	11.6	8.0	9.8	7.9	5.9	13.3	9.0	6.2	7.3	6.6	11.6	7.6	4.0	4.3	2.6	0.1	0.5	4.4	5.8	6	.4	13.3
NO.	31	31	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31	30	30	30	30	30	30	31	7	34	99.2%
MEAN	2.8	3.0	3.2	2.9	3.3	2.9	2.0	2.1	2.2	3.1	3.6	3.7	4.5	4.0	3.9	3.9	3.8	3.4	3.0	3.0	3.6	4.0	3.3	3.0	,	,-	JJ.2/0
MAX	10.9	14.4	13.4	14.8	12.3	11.6	8.7	9.8	11.2	16.5	13.3	11.5	22.3	14.9	19.7	22.3	17.6	17.9	6.9	12.3	13.0	15.9	14.1	13.0			
	10.5	1-77	10.7	14.0	12.0	11.0	0.7	5.0	11.2	10.0	10.0	11.0	22.0	17.5	10.7	22.0	17.0	17.0	0.0	12.0	10.0	10.0	1-7.1	10.0			

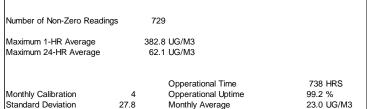




Lagoon PM_{10} (µg/m³) – December 2020

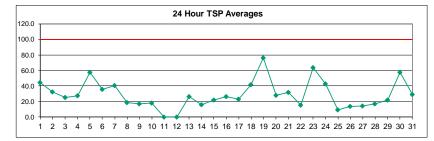
	HOUR												_		-												
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		MEAN	MAX
1	15.3	11.9	8.6	7.0	0.5	0.3	7.4	8.2	12.0	32.8	34.3	20.9	35.7	23.3	39.8	27.7	50.1	51.4	62.3	46.5	21.6	20.6	16.6	22.5	_	24.1	62.3
2	14.0	11.2	8.0	8.0	7.4	7.3	6.6	15.8	21.4	29.8	30.8	37.0	55.9	41.3	50.8	50.9	31.0	17.1	10.7	10.1	9.3	8.2	10.9	13.8	•	21.1	55.9
3	8.4	2.7	3.6	8.7	7.9	6.3	10.8	12.1	12.8	13.4	С	С	С	С	17.0	0.0	17.0	9.0	14.4	6.7	6.8	9.8	29.3	43.3		12.0	43.3
4	10.4	15.3	0.9	7.2	25.5	22.4	12.8	17.3	76.9	15.9	10.8	11.7	27.4	33.6	29.1	19.1	23.2	15.2	10.2	10.9	12.8	13.4	12.8	14.0		18.7	76.9
5	23.7	45.4	25.7	45.8	85.3	71.7	204.1	72.2	56.2	34.9	19.2	12.7	12.5	18.5	23.7	14.2	26.0	20.8	22.0	28.2	23.4	42.8	77.4	36.4		43.4	204.1
6	44.4	17.9	13.2	9.1	4.7	6.1	7.9	5.9	3.5	6.2	13.5	70.2	77.2	43.9	30.2	15.3	12.2	25.6	15.0	28.3	19.2	81.4	82.3	43.5		28.2	82.3
7	26.7	53.3	216.9	124.7	22.9	0.0	5.0	13.1	40.9	44.6	46.4	85.5	42.9	25.2	28.6	19.9	1.6	8.1	9.3	8.3	22.5	4.5	2.1	17.0		36.2	216.9
8	30.5	22.1	29.4	24.3	23.6	13.1	17.8	10.6	9.2	16.4	8.7	19.7	10.7	10.6	7.8	3.3	5.3	27.1	15.9	0.0	0.7	3.1	0.6	0.7		13.0	30.5
9	3.4	4.4	0.6	0.9	1.9	2.9	7.3	6.5	3.3	3.6	8.9	22.8	9.4	20.7	17.3	24.5	28.4	27.1	6.2	8.9	12.3	15.5	15.7	8.7		10.9	28.4
10	7.9	6.0	6.0	6.6	4.6	3.9	3.3	3.4	4.8	7.4	8.1	9.5	21.2	16.1	25.4	21.0	22.4	25.7	15.6	17.6	18.5	23.9	27.2	19.3		13.6	27.2
11	15.3	22.3	12.7	22.7	29.0	17.6	19.5	18.1	17.3	23.1	36.6	27.3	21.1	24.5	27.7	27.6	13.9	10.4	14.9	5.3	5.3	4.4	0.7	1.9		17.5	36.6
12	2.0	3.4	5.2	3.5	5.8	8.0	0.0	3.3	3.4	4.7	7.0	24.1	31.5	26.5	28.7	22.3	12.1	11.6	11.7	18.2	18.2	6.7	7.9	15.6		11.4	31.5
13	5.8	7.2	5.3	16.4	9.2	5.9	3.9	3.2	1.6	8.4	15.2	21.0	22.7	29.9	21.1	24.2	32.4	8.8	11.1	18.3	31.4	26.2	38.9	87.5		19.0	87.5
14	33.0	39.4	50.9	19.2	12.5	9.2	6.1	7.5	9.7	14.6	0.3	6.4	13.3	21.1	12.7	10.5	6.5	4.0	4.7	5.9	4.8	8.2	10.0	8.7		13.3	50.9
15	7.8	4.1	6.9	10.8	10.6	9.4	20.4	12.4	30.3	51.2	46.1	23.4	8.2	10.1	11.1	17.1	10.0	8.1	8.7	7.9	6.1	8.6	16.6	0.6		14.4	51.2
16	1.6	7.3	6.5	4.0	4.5	1.4	3.5	7.3	17.4	26.4	28.4	40.7	55.9	38.9	9.8	6.0	17.0	8.0	7.8	4.1	6.9	20.4	11.6	35.3		15.4	55.9
17	14.7	16.5	66.1	39.8	3.9	2.5	1.5	5.0	10.6	18.7	15.0	18.6	14.3	16.7	14.7	24.7	19.7	9.9	7.6	22.2	19.9	14.5	9.4	9.4		16.5	66.1
18	10.1	11.1	16.4	20.0	15.7	18.0	12.6	8.7	8.1	20.8	28.6	15.6	41.8	74.3	92.4	43.7	82.2	38.4	25.8	27.5	26.2	60.7	102.3	78.6		36.6	102.3
19	34.6	36.5	30.7	167.4	65.0	21.3	31.5	61.8	84.4	382.8	84.7	52.7	66.4	33.3	24.9	23.4	22.6	26.9	12.9	17.4	51.2	88.8	13.3	55.7	_	62.1	382.8
20	46.5	22.4	33.9	14.2	4.2	9.0	13.5	14.4	6.8	10.0	22.2	43.5	44.8	13.9	9.4	8.8	10.4	29.0	49.2	22.3	10.8	13.9	42.6	20.6		21.5	49.2
21	36.6	16.1	14.4	18.3	21.7	44.8	24.6	25.7	15.8	20.2	20.5	26.2	34.4	35.2	56.2	10.7	11.2	29.5	4.0	16.6	11.6	3.1	1.0	7.8		21.1	56.2
22	3.1	0.2	4.8	8.0	7.4	7.5	10.0	8.6	6.1	8.0	8.0	6.9	11.1	15.7	7.9	5.9	3.9	Р	P	Р	P	Р	P	32.7		8.7	32.7
23 24	13.6	15.5	16.9 253.1	27.6	14.7	15.5	60.6	43.8	51.5	48.6	46.7	38.3	67.2	54.4	47.4	51.2	91.5	63.2	121.9	52.5	60.8	68.8	43.9	78.2		49.8	121.9
25	76.7	155.0		23.3	107.8	95.4	14.5	0.0	16.9	17.4	4.3	9.2	17.3	47.7	29.4	12.1	13.6	26.6	20.5	12.9	14.6	10.0	8.6	7.4		41.4 9.6	253.1 23.9
26	7.6 14.2	10.6	7.7 22.8	1.0 19.6	0.6 20.2	2.1	15.6 12.6	17.4 8.5	4.0 4.8	4.8	8.2 22.2	10.0 9.1	8.8 15.8	10.3 8.9	23.9 11.4	10.0 10.0	9.2	6.1 8.1	8.1 9.4	20.3 9.4	9.3	7.4	8.6 11.4	18.6 11.1		12.6	23.9
27	15.9	14.6 12.0	10.5	15.3	13.2	19.8 20.1	18.5	20.5	25.1	8.2 14.9	16.5	10.8	11.5	13.2	18.7	14.5	8.0 8.9	11.4	10.0	9.3	10.3 19.3	13.3 14.2	14.0	10.4		14.5	25.1
28	5.3	4.8	6.6	4.7	5.9	3.3	2.3	8.0	6.6	5.3	5.9	16.5	34.5	34.9	19.4	16.5	12.0	32.6	23.3	16.6	12.9	14.6	10.6	8.1		13.0	34.9
29	9.5	11.1	5.2	3.2	2.6	2.8	5.3	5.3	4.0	4.1	5.9	15.5	14.5	21.8	24.7	20.3	22.2	31.4	25.5	33.4	26.6	30.1	27.1	61.3		17.2	61.3
30	43.6	28.0	56.0	53.4	52.5	49.3	57.2	29.1	20.2	44.2	59.3	46.0	56.8	55.1	48.9	51.9	48.5	56.7	54.1	51.4	28.2	37.9	59.7	26.5		46.4	59.7
31	17.0	19.1	10.6	9.3	31.6	38.7	18.7	4.8	7.9	16.6	24.0	20.1	30.7	47.3	59.2	52.6	36.7	4.8	7.6	11.4	11.4	23.0	35.0	33.9		23.8	59.2
BB	17.0	13.1	10.0	5.5	51.0	55.7	13.7	7.0	1.5	10.0	24.0	20.1	50.1	41.5	55.2	J2.0	55.7	7.0	7.0	11.4	11.4	23.0	33.0	55.5		20.0	00.Z
NO.	31	31	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31	30	30	30	30	30	30	31		734	99.2%
MEAN	19.3	20.9	30.8	24.0	20.1	17.1	20.5	15.4	19.1	30.9	22.9	25.7	30.5	28.9	28.0	21.3	22.9	21.8	20.7	18.3	17.8	23.3	24.9	26.7			70
MAX	76.7	155.0	253.1	167.4	107.8	95.4	204.1	72.2	84.4	382.8	84.7	85.5	77.2	74.3	92.4	52.6	91.5	63.2	121.9	52.5	60.8	88.8	102.3	87.5			

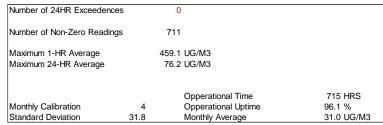




Lagoon TSP (µg/m³) – December 2020

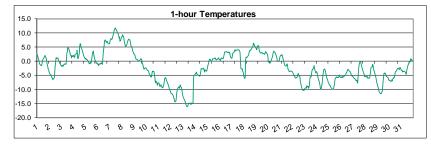
	HOUR																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		WEAN	MAX
1	16.6	14.1	15.0	8.3	5.7	15.2	13.0	19.4	40.3	62.6	63.2	32.8	68.0	47.6	87.6	49.3	84.9	92.7	111.2	75.9	46.9	41.0	29.2	27.7		44.5	111.2
2	24.7	18.1	16.4	10.6	22.6	19.2	14.3	18.5	24.4	35.5	37.8	44.6	69.3	69.6	75.9	91.2	62.9	24.7	18.3	19.2	12.7	14.4	20.5	13.7		32.5	91.2
3	8.5	9.1	19.0	9.9	10.4	18.5	22.9	25.2	26.8	32.8	С	С	С	С	38.7	32.3	39.4	12.9	20.9	18.1	17.1	27.2	47.7	59.9		24.9	59.9
4	15.4	15.1	10.9	19.4	38.4	29.9	18.6	25.6	34.6	31.5	23.6	23.1	37.2	53.2	38.2	49.5	41.3	34.2	24.5	16.0	24.5	14.7	24.6	18.0		27.6	53.2
5	38.7	57.9	52.0	65.7	117.9	100.5	134.5	113.8	92.7	75.3	34.5	19.9	25.0	24.8	41.1	21.0	44.1	38.7	35.8	52.0	40.9	52.4	66.5	32.2		57.4	134.5
6	56.5	26.0	18.0	15.2	11.6	16.2	7.6	15.3	14.3	19.7	27.7	115.6	101.0	51.4	28.7	19.6	21.8	35.4	23.3	37.9	23.3	61.8	51.3	50.0		35.4	115.6
7	30.8	83.5	153.4	77.0	18.8	7.6	15.6	19.0	34.2	48.6	53.1	125.0	60.3	27.0	50.9	41.6	18.3	19.2	12.9	17.8	33.2	8.1	6.1	13.8		40.7	153.4
8	33.1	28.5	37.8	42.1	30.1	22.3	21.9	14.9	6.4	16.7	15.8	21.7	11.4	13.7	8.4	7.5	15.5	38.9	19.1	11.0	7.0	4.3	3.2	7.0		18.3	42.1
9	5.1	16.2	5.5	7.2	8.4	7.4	12.6	10.3	7.1	7.9	21.6	34.7	11.1	31.6	25.3	29.9	40.0	33.6	14.4	20.3	10.3	16.7	15.2	10.2		16.8	40.0
10	5.8	7.0	5.6	3.1	5.7	4.1	0.2	0.6	7.2	8.8	14.2	16.6	12.9	17.5	29.6	34.8	36.0	33.0	26.5	27.0	35.3	21.7	40.0	34.1	,	17.8	40.0
11	23.9	26.0	19.4	39.8	51.8	26.8	33.1	51.0	45.7	45.6	63.9	42.3	84.5	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		-	-
12	Х	х	х	х	Х	х	х	Х	х	х	х	х	42.7	35.8	29.5	32.7	20.4	19.9	25.5	31.8	51.0	43.4	25.0	22.7	_		-
13	24.4	12.4	8.9	15.2	7.2	9.6	7.4	7.1	7.4	12.6	13.2	23.8	26.0	41.1	31.4	29.2	27.2	17.0	19.9	26.5	49.0	34.4	55.4	117.0	- 1	26.0	117.0
14	36.6	44.4	41.7	20.0	25.6	11.1	8.6	9.6	4.5	7.0	6.5	19.9	25.1	24.8	19.5	17.6	7.3	9.9	9.7	7.0	4.5	7.3	9.7	7.4	- 1	16.0	44.4
15	12.3	7.4	11.2	10.2	8.4	7.8	19.7	23.4	43.3	70.5	64.8	33.7	15.6	18.2	18.6	22.2	19.1	11.7	17.7	10.0	11.9	23.1	34.4	4.7		21.7	70.5
16	9.6	5.6	3.1	5.7	4.2	2.2	22.2	20.0	29.3	51.9	38.9	66.4	107.5	71.6	15.6	9.0	16.9	17.9	13.6	6.3	15.9	22.8	10.2	60.0	-	26.1	107.5
17	20.3	35.4	88.8	43.1	9.6	4.2	1.8	6.4	17.6	29.6	13.3	23.6	22.1	18.4	23.0	34.6	32.5	17.6	9.2	21.3	27.3	16.6	14.1	15.2		22.7	88.8
18	11.3	13.3	24.1	30.5	27.8	5.0	15.2	11.6	17.4	29.1	47.9	16.2	70.2	94.1	67.7	49.5	63.8	40.1	40.8	49.5	42.6	60.7	99.7	73.9		41.8	99.7
19	39.3	45.1	41.8	177.6	68.0	22.8	34.1	93.3	122.3	459.1	128.0	69.6	71.9	43.1	44.1	38.6	33.5	33.9	19.7	24.7	64.6	74.0	15.6	65.0		76.2	459.1
20	60.6	29.5	32.5	17.7	10.1	13.7	8.9	14.8	4.8	13.3	26.6	52.3	43.1	8.3	6.3	21.9	17.9	60.8	77.8	33.2	10.2	18.4	66.7	23.7		28.1	77.8
21	45.1	10.2	15.9	24.5	38.7	88.1	32.2	34.8	22.3	22.4	24.6	39.6	51.3	52.6	92.5	17.4	29.0	46.6	12.7	12.7	12.4	6.1	11.4	14.1	•	31.5	92.5
22	15.2	11.5	15.6	17.9	14.3	19.0	31.3	19.0	9.9	10.3	17.9	12.7	14.3	19.3	13.6	7.3	10.9	Р	Р	Р	Р	Р	Р	15.3	_	15.3	31.3
23	15.3	36.7	24.0	51.4	28.5	22.1	109.2	81.4	75.2	79.3	65.6	52.9	100.2	61.6	71.5	85.7	104.1	61.0	82.3	44.4	46.2	74.8	52.7	99.5		63.6	109.2
24	100.2	183.1	247.2	34.1	93.3	97.3	17.2	2.3	14.5	21.2	2.1	11.3	13.1	21.4	28.4	14.6	23.5	19.6	19.8	23.3	15.3	5.9	8.1	1.7		42.4	247.2
25	4.9	13.5	4.5	6.9	3.5	11.0	6.9	2.8	0.2	0.4	4.6	8.6	10.1	12.8	12.7	14.0	13.7	8.5	8.6	22.9	8.5	8.4	7.8	19.6		9.0	22.9
26	21.1	23.8	24.9	22.4	22.9	9.6	7.0	4.2	2.4	17.4	27.2	17.0	19.8	7.2	8.9	15.0	7.4	12.6	11.2	9.8	8.6	9.8	8.4	7.0		13.6	27.2
27	6.2	13.9	11.7	18.0	14.4	20.7	17.0	21.4	28.3	13.1	20.3	8.6	9.9	11.1	24.6	15.0	7.8	19.3	13.6	6.2	13.6	7.1	7.1	7.3		14.0	28.3
28	9.7	8.4	7.0	4.8	12.4	8.3	5.6	3.2	5.7	4.8	12.5	11.6	40.2	38.0	23.1	35.0	17.3	47.7	32.4	16.1	27.2	15.4	8.3	4.8		16.6	47.7
29	12.7	13.6	7.0	4.2	1.0	7.3	9.6	7.0	5.6	2.9	1.8	6.2	14.0	15.0	31.7	26.6	28.9	44.7	26.7	53.1	35.5	42.0	48.7	72.2	•	21.6	72.2
30	50.0	28.6	50.4	58.8	67.6	62.7	65.7	27.3	20.4	59.5	80.2	76.4	78.3	66.7	69.9	80.0	73.0	64.3	66.8	47.0	42.9	52.9	54.1	30.5	F	57.3	80.2
31	27.2	15.3	13.5	6.0	34.3	48.1	16.5	11.2	10.7	25.2	27.8	27.2	41.7	65.7	73.7	53.8	46.3	7.7	16.8	16.5	12.0	25.9	39.8	31.8		28.9	73.7
NO.	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		744	00.40/
MEA	30	30	30	30	30 27.1	30	30	30	30	30	29	29	30	29	30	30	30	29	29	29	29	29	29	30		711	96.1%
MAX	26.0	28.4	34.2	28.9		24.6	24.3	23.8	25.9	43.8	33.8	36.3	43.3	36.7	37.7	33.2	33.5	31.9	28.7	26.1	25.9	28.0	30.4	32.0			
NI PAYA	100.2	183.1	247.2	177.6	117.9	100.5	134.5	113.8	122.3	459.1	128.0	125.0	107.5	94.1	92.5	91.2	104.1	92.7	111.2	75.9	64.6	74.8	99.7	117.0			

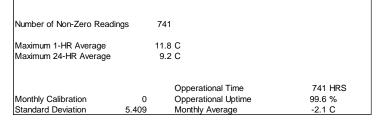




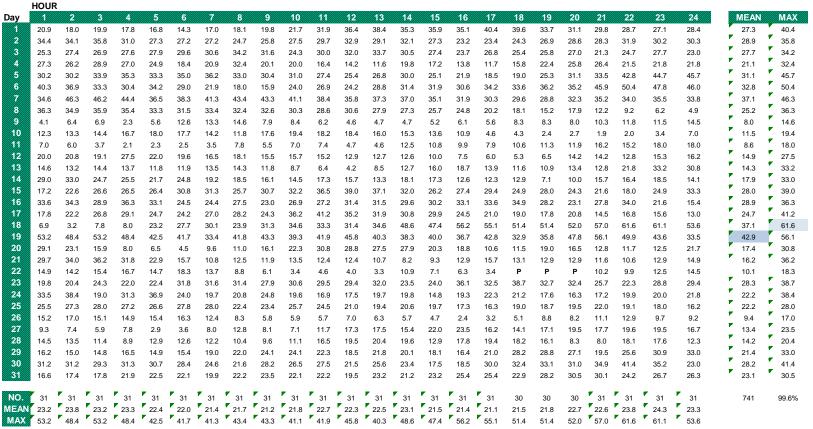
Lagoon Temperature (°C) – December 2020

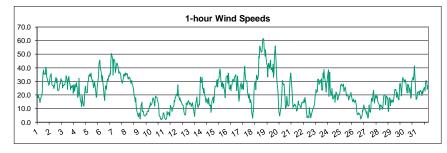
	HOUR	:																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	2.8	2.0	1.1	0.6	0.0	-0.9	-1.1	-1.4	-1.5	-1.6	-0.8	0.1	0.7	1.0	1.5	1.6	2.0	1.6	0.9	-0.2	-1.1	-1.6	-2.7	-3.5	0.0	2.8
2	-4.1	-4.5	-4.8	-4.8	-5.0	-6.0	-6.0	-6.6	-6.5	-6.2	-5.6	-2.9	-1.2	0.3	1.3	1.0	1.0	1.1	0.6	0.1	-0.3	-1.0	-0.9	-1.4	-2.6	1.3
3	-1.7	-1.9	-1.4	-1.8	-1.4	-1.2	-0.9	-1.0	-0.9	-1.2	0.6	2.8	3.3	4.8	4.7	4.1	3.6	3.2	2.3	1.7	1.2	2.0	1.8	1.6	1.0	4.8
4	2.1	1.4	1.4	2.3	2.5	2.6	2.7	3.9	1.5	0.8	1.2	2.7	5.3	6.1	6.2	5.1	4.6	3.9	3.1	2.8	2.0	1.6	1.1	0.9	2.8	6.2
5	0.9	0.5	0.6	0.6	0.1	-0.2	-0.6	-0.8	-0.9	-0.4	-0.8	-0.2	0.7	1.8	3.0	3.7	2.2	1.4	0.8	0.4	-0.3	-0.8	-0.6	-0.7	0.4	3.7
6	-1.0	-1.5	-0.9	-1.1	-1.1	-0.8	-0.9	-0.6	-0.9	-1.1	0.6	2.8	5.4	7.1	7.6	7.4	7.1	6.6	7.1	6.8	6.3	6.1	6.2	6.1	3.1	7.6
7	7.2	7.6	7.9	8.0	7.7	8.4	9.2	9.8	10.4	11.0	11.8	11.6	11.3	11.0	10.6	10.2	9.7	9.1	8.3	8.6	7.1	7.4	8.2	8.6	9.2	11.8
8	8.7	9.4	8.8	8.6	7.1	6.4	5.9	5.3	5.6	5.8	6.5	6.9	7.4	7.8	7.6	7.6	7.0	6.3	5.4	4.9	4.3	3.6	3.3	2.7	6.4	9.4
9	2.5	2.2	1.4	1.1	8.0	0.7	0.5	0.3	-0.1	0.0	0.3	0.4	0.7	8.0	0.9	0.5	-0.5	-1.4	-2.1	-2.8	-2.7	-2.5	-2.3	-2.5	-0.2	2.5
10	-2.7	-2.9	-3.2	-3.2	-3.6	-4.1	-4.7	-4.9	-5.4	-5.7	-5.5	-4.4	-3.6	-3.7	-3.6	-4.0	-5.0	-6.1	-7.7	-7.1	-7.5	-8.3	-8.5	-7.5	-5.1	-2.7
11	-7.6	-7.8	-8.8	-8.9	-8.6	-8.4	-8.7	-9.4	-9.4	-9.2	-8.8	-8.0	-5.9	-6.0	-5.7	-6.2	-6.9	-7.2	-7.9	-8.4	-8.8	-9.4	-10.1	-10.6	-8.2	-5.7
12	-11.1	-11.5	-11.5	-11.6	-11.6	-12.4	-13.0	-13.4	-14.2	-14.5	-14.1	-12.7	-11.2	-10.3	-9.8	-9.1	-9.1	-9.6	-9.2	-8.3	-8.9	-9.3	-10.0	-11.3	-11.2	-8.3
13	-12.2	-12.8	-13.4	-13.9	-14.2	-14.5	-15.0	-15.6	-16.0	-16.1	-15.9	-15.2	-15.0	-15.1	-14.8	-15.0	-15.3	-15.3	-14.8	-15.0	-15.0	-7.1	-5.0	-5.1	-13.6	-5.0
14	-4.6	-4.3	-4.3	-3.9	-4.6	-4.8	-4.9	-5.1	-5.2	-5.3	-5.3	-4.0	-2.6	-2.6	-2.8	-2.6	-2.7	-2.5	-3.1	-3.8	-3.2	-3.1	-3.5	-3.5	-3.8	-2.5
15	-2.8	-2.1	-1.4	-0.4	0.5	0.7	0.7	0.3	0.1	0.0	0.6	0.9	0.9	8.0	0.9	1.1	1.2	8.0	0.4	0.6	0.7	0.7	1.2	1.2	0.3	1.2
16	0.6	0.5	0.1	0.6	1.2	1.2	1.0	0.9	1.0	1.8	2.5	3.2	3.3	3.2	3.4	3.2	3.1	3.2	3.3	3.0	2.8	3.2	1.8	1.2	2.1	3.4
17	1.0	1.0	2.0	2.9	3.0	3.3	3.6	4.0	3.7	3.8	3.9	3.9	4.0	4.1	4.1	3.9	3.7	2.9	0.0	-2.6	-2.7	-2.7	-3.3	-3.8	1.8	4.1
18	-4.2	-5.5	-6.0	-5.8	0.2	1.4	1.4	1.3	1.7	1.9	2.2	2.9	3.7	3.7	4.1	4.1	4.3	4.8	5.1	6.3	6.2	5.8	5.4	5.2	2.1	6.3
19	4.7	4.6	4.1	4.9	5.4	5.6	4.9	3.6	3.5	3.0	2.9	3.1	3.1	2.8	2.7	2.6	2.6	2.4	2.6	3.1	3.4	3.2	2.7	2.5	3.5	5.6
20	1.7	-0.1	-0.4	-0.6	-0.6	-0.5	-0.2	0.4	0.9	1.7	2.7	3.2	3.5	3.2	3.0	2.9	2.2	1.6	1.4	0.1	-0.2	0.1	-0.1	0.2	1.1	3.5
21	1.4	2.0	2.1	2.1	2.3	1.7	0.5	-0.2	-0.7	-1.0	-1.5	-1.8	-1.7	-1.3	-0.9	-1.4	-2.8	-3.4	-3.6	-3.7	-3.6	-3.5	-3.5	-3.6	-1.1	2.3
22	-3.7	-4.0	-4.2	-4.7	-5.1	-5.4	-5.9	-6.0	-6.0	-5.7	-5.5	-5.1	-4.3	-5.0	-5.1	-5.5	-7.1	Р	Р	Р	-9.9	-10.3	-10.3	-10.2	-6.1	-3.7
23	-10.4	-9.7	-9.4	-9.4	-9.5	-8.7	-9.1	-8.9	-9.6	-9.2	-8.7	-6.9	-5.5	-5.7	-4.7	-3.6	-2.9	-2.9	-2.5	-1.6	-2.2	-3.1	-3.6	-4.1	-6.3	-1.6
24	-3.7	-4.0	-4.9	-5.6	-6.2	-7.1	-7.8	-8.7	-9.8	-9.9	-9.6	-7.7	-6.0	-4.8	-3.8	-2.9	-2.7	-3.2	-3.9	-4.6	-5.5	-5.9	-6.7	-7.5	-5.9	-2.7
25 26	-7.7	-7.9 -5.9	-8.5 -5.7	-8.6	-9.2	-9.5	-9.5	-9.8	-10.0	-10.0	-9.5	-8.6	-7.9	-6.4 -3.1	-5.8	-5.7	-5.4	-5.7 -3.5	-5.8	-5.8 -3.9	-5.5	-4.8	-5.2	-5.7	-7.4	-4.8
20 27	-5.8			-5.4	-5.8	-5.7	-5.4	-5.2	-5.1	-5.0	-4.7	-4.2	-3.8		-2.9	-2.9	-3.2		-3.5		-4.3	-4.8	-5.1	-5.3	-4.6	-2.9
2 <i>1</i> 28	-5.6 -5.6	-5.8 -5.3	-6.0 -5.5	-6.0 -5.6	-6.3 -5.3	-6.6 -5.7	-6.8 -6.1	-6.8 -6.0	-6.7 -6.0	-7.8 -5.9	-5.3 -5.0	-3.2 -3.9	-1.8 -2.3	-0.7 -2.0	-0.3 -2.0	0.0	-1.0	-1.6 -2.8	-2.2 -3.6	-2.7	-3.7	-4.3 -5.3	-4.5	-5.4 -7.2	-4.2 -4.5	0.0 -1.1
29	-5.6 -8.2	-5.3 -8.8	-5.5 -9.2	-5.6 -10.0	-5.3 -10.8	-5.7 -11.3	-0.1 -11.5	-6.0 -11.4	-11.6	-5.9 -11.2	-10.3	-3.9 -8.1	-2.3 -6.4	-2.0 -4.9	-2.0 -4.2	-1.1 -4.3	-1.5 -4.3	-2.8 -4.9	-5.4	-4.1 -5.4	-5.1 -5.6	-5.8	-6.0 -6.3	-7.2 -6.6	-4.5 -7.8	-4.2
30	-6.2 -6.8	-6.7	-7.0	-7.2	-7.0	-6.6	-7.0	-6.4	-5.7	-6.0	-5.6	-4.9	-3.8	-3.6	-3.4	-4.3	-4.3	-4.9	-2.5	-2.9	-2.9	-2.2	-0.3 -2.4	-0.0	-4.6	-4.2
31	-3.2	-3.3	-3.9	-3.8	-3.7	-3.5	-3.6	-3.9	-4.1	-4.6	-4.6	-3.1	-1.8	-1.2	-1.2	-0.6	-0.2	-0.2	0.8	0.6	0.8	0.0	0.1	0.3	-2.0	0.8
	-3.2	-3.3	-3.9	-3.0	-3.1	-3.3	-3.0	-5.9	-4.1	-4.0	-4.0	-3.1	-1.0	-1.2	-1.2	-0.0	-0.2	-0.2	0.0	0.0	0.0	0.0	0.1	0.3	-2.0	0.0
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	31	31	31	31	741	99.6%
MEA		-2.7	-2.9		-2.9	-3.0		-3.3	-3.5	-3.5				-0.6	-0.3	-0.3	-0.6	-0.8	-1.2			-2.0	-2.2	-2.5		
MAX		9.4	8.8	8.6	7.7	8.4		9.8	10.4	11.0		11.6	11.3	11.0	10.6	10.2	9.7	9.1	8.3	8.6	7.1	7.4	8.2	8.6		
	J.,	5	3.0	3.0		3	J.E	5.0					. 1.0		. 3.0	. 3.2			2.0	2.0				2.0		





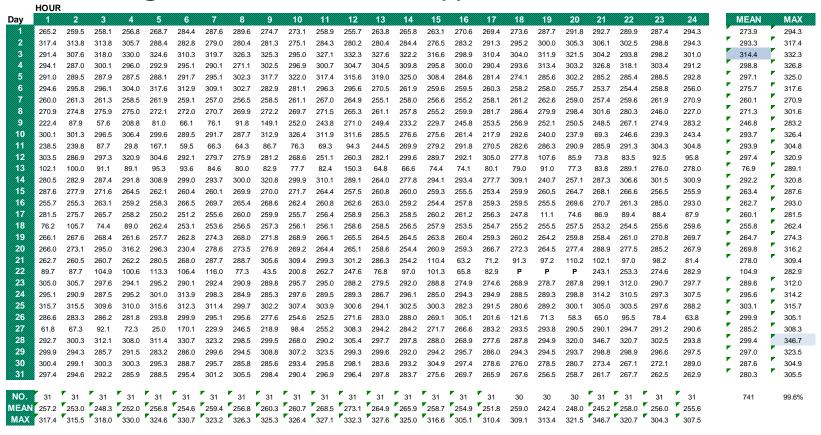
Lagoon Wind Speed (km/hr) - December 2020

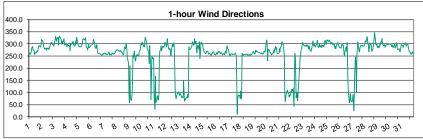




Number of Non-Zero Readii	ngs 7	741	
Maximum 1-HR Average	6	1.6 KM/HR	
Maximum 24-HR Average	4	2.9 KM/HR	
		Opperational Time	741 HRS
Monthly Calibration	0	Opperational Uptime	99.6 %
Standard Deviation	11.14	Monthly Average	22.4 KM/HR

Lagoon Wind Direction (°) – December 2020

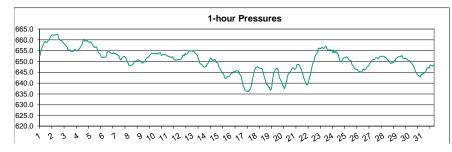


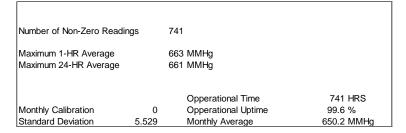


Number of Non-Zero Reading	gs	741	
Maximum 1-HR Average Maximum 24-HR Average		347 degrees 314 degrees	
Monthly Calibration Standard Deviation	0 68 57	Opperational Time Opperational Uptime Monthly Average	741 HRS 99.6 % 256 7 degrees

Lagoon Pressure (mmHg) – December 2020

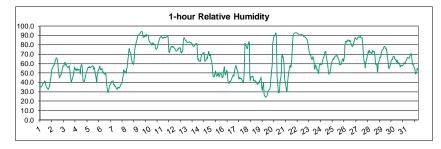
	HOUR				_							_				-											
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		MEAN	MAX
1	652.6	653.5	654.4	655.4	656.6	657.0	657.7	658.0	658.6	659.3	659.3	659.1	658.9	658.9	658.9	659.4	659.8	659.9	660.4	660.6	661.4	661.9	662.1	662.2		658.6	662.2
2	662.5	662.5	662.3	662.1	662.2	662.3	662.5	662.5	662.7	662.7	662.2	661.5	660.8	660.2	659.9	659.8	659.7	659.6	659.5	659.1	658.8	658.4	658.1	657.9		660.8	662.7
3	657.6	657.1	657.0	656.8	656.3	655.6	655.3	655.1	655.4	655.2	655.1	654.9	654.7	654.5	654.4	654.9	655.2	655.4	655.4	655.3	655.3	655.1	654.9	655.0		655.5	657.6
4	655.4	655.6	655.8	656.0	656.3	656.9	657.5	657.9	658.3	659.1	660.2	660.4	659.4	659.4	659.4	659.4	659.8	659.8	659.2	659.0	659.0	659.0	658.9	659.0		658.4	660.4
5	658.9	658.6	658.2	657.7	657.2	657.1	656.7	656.6	656.4	656.6	656.9	656.5	655.8	654.8	654.7	653.9	653.7	653.6	653.0	652.6	652.1	652.0	651.9	651.8	_	655.3	658.9
6	651.8	651.9	651.9	651.9	652.2	652.6	653.2	654.0	654.5	654.5	654.5	654.5	654.3	654.1	653.9	653.8	653.6	653.7	654.1	654.1	653.6	653.5	653.6	653.8		653.5	654.5
7	653.6	653.1	653.3	652.9	652.8	652.6	651.9	651.4	650.7	650.8	651.2	651.7	652.0	652.3	652.3	652.4	652.3	651.9	651.7	650.7	650.2	649.9	649.4	648.9	_	651.7	653.6
8	648.1	647.9	647.9	648.1	648.2	648.2	648.4	648.7	648.8	649.2	649.7	649.9	650.0	650.3	650.3	650.6	650.6	650.8	650.7	650.1	650.4	650.3	650.0	649.6		649.5	650.8
9	649.5	649.3	649.2	649.5	649.6	649.9	650.1	650.7	651.1	651.4	651.7	651.8	652.1	652.1	652.4	652.7	653.1	653.5	653.7	653.8	653.8	653.7	653.6	653.6		651.7	653.8
10	653.6	653.6	653.6	653.8	653.7	653.7	653.6	653.6	653.5	653.8	654.1	654.1	653.4	652.9	652.8	653.0	653.2	653.3	653.3	653.2	653.1	653.0	652.9	652.8		653.4	654.1
11	652.7	652.5	652.4	652.4	652.2	652.1	652.0	651.9	651.9	652.0	652.1	651.8	651.3	650.8	650.7	650.6	650.8	650.7	650.6	650.8	650.9	651.0	650.8	650.9		651.5	652.7
12	650.9	650.9	651.1	651.2	651.6	652.3	653.0	652.6	652.7	653.3	653.6	653.3	653.4	653.5	653.6	654.0	654.4	654.7	654.8	655.0	655.0	654.9	654.9	654.9		653.3	655.0
13	654.6	654.5	654.4	654.4	654.2	653.9	653.6	653.3	653.0	652.8	652.2	651.2	650.3	649.5	648.9	648.8	648.8	648.7	648.2	647.9	647.9	647.5	647.4	647.6		651.0	654.6
14	647.6	647.6	647.9	648.4	648.7	649.2	649.6	650.1	650.7	651.1	651.5	651.3	651.0	650.6	650.6	650.6	650.9	651.0	650.8	650.6	650.3	649.7	649.4	649.3		649.9	651.5
15	648.8	648.0	647.4	647.0	646.4	645.9	645.5	645.2	644.7	644.4	644.1	643.6	643.0	642.3	642.1	642.2	642.4	643.0	642.9	643.0	643.0	643.1	643.4	643.8		644.4	648.8
16	644.2	644.3	644.7	644.6	644.7	645.1	645.3	645.3	645.2	645.5	645.6	645.6	645.7	645.7	645.4	644.8	644.4	644.0	643.9	643.2	642.1	641.1	640.3	639.5		644.2	645.7
17	638.6	637.5	636.8	636.6	636.4	636.4	636.2	636.0	636.4	636.1	636.1	636.6	637.1	637.6	638.3	639.1	640.5	641.8	643.1	644.5	645.4	645.9	646.5	647.1		639.4	647.1
18	647.4	647.4	647.5	647.5	647.1	647.0	646.9	647.0	646.5	646.4	646.7	646.4	645.7	644.6	644.0	643.2	642.4	641.2	640.0	639.5	639.7	639.0	638.8	638.1		644.2	647.5
19	637.7	637.9	636.8	636.8	637.3	638.2	640.2	641.7	642.9	644.4	645.4	645.9	646.3	646.5	646.6	646.9	646.5	646.1	644.9	643.4	642.3	641.8	641.1	640.8		642.4	646.9
20	640.4	639.8	639.0	638.5	637.9	637.4	638.1	638.5	639.4	640.9	642.2	643.5	643.8	644.1	644.7	644.9	645.3	645.4	645.8	646.6	646.9	647.0	646.9	646.6		642.7	647.0
21	646.2	646.2	646.6	647.2	647.9	648.5	648.7	648.6	648.4	648.4	648.1	647.4	646.8	646.3	645.3	644.5	644.0	643.1	642.3	641.5	640.7	640.1	639.4	639.1		645.2	648.7
22	639.1	639.5	640.1	641.2	642.2	642.9	644.1	645.3	646.3	647.4	648.3	649.2	649.8	650.6	651.6	652.4	653.0	Р	Р	Р	654.2	655.9	656.1	656.1	_	647.9	656.1
23	656.0	655.8	655.9	656.3	656.6	656.3	656.2	656.0	656.1	656.4	657.0	657.1	656.6	656.1	655.5	655.1	655.3	655.1	655.3	655.5	655.2	655.3	655.1	654.7	_	655.9	657.1
24	654.2	654.0	655.2	654.6	653.7	654.5	654.6	654.5	653.9	653.7	653.5	652.7	651.7	650.9	650.2	649.9	649.8	650.1	650.5	651.0	651.3	651.6	651.8	651.8		652.5	655.2
25 26	651.8	652.0	652.2	652.0	651.8	651.5	651.2	650.7	650.3	650.2	650.5	650.1	649.3	648.4	648.0	647.7	647.3	647.0	646.5	646.5	646.4	646.4	646.3	646.0		649.2	652.2
20 27	645.6	645.4	645.3	645.2	645.2	645.1	645.1	645.3	645.7	646.1	646.5	646.4	646.1	646.1	646.3	646.6	647.0	647.4	647.7	647.9	648.2	648.7	649.0	649.3		646.5	649.3
21 28	649.6 652.3	650.0 652.3	650.3 652.3	650.8	650.8	650.9 651.5	651.0	651.0 651.0	651.2	651.5	651.7	651.7 649.9	651.5 649.4	651.4 649.2	651.4 649.0	651.6 649.2	651.9 649.2	652.4 649.4	652.5 649.5	652.3 649.6	652.3 650.1	652.4	652.4 650.6	652.4 651.0	•	651.4 650.5	652.5 652.3
20 29	651.4	651.6		652.0	651.8		651.3		650.6	650.5	650.1 652.8											650.5			•		652.8
29 30	650.5	650.2	651.8 649.8	652.2 649.5	652.3 649.2	652.1 649.0	652.2 648.9	652.3 648.4	652.3 647.6	652.4 647.3	647.2	652.3 646.6	651.7 645.6	651.5 644.9	651.4 644.4	651.4 644.3	651.5 644.1	651.5 643.9	651.3 643.5	651.2 643.3	651.2 642.9	650.9 642.8	650.6 643.3	650.6 643.8	•	651.7 646.3	650.5
31	644.0	644.0	644.3	644.3	644.5	644.7	645.1	645.3	645.7	646.3	647.0	647.2	647.1	647.0	646.8	647.5	648.1	648.4	648.1	648.0	647.9	647.9	648.1	648.3	•	646.5	648.4
encann	044.0	044.0	044.3	044.3	044.5	044.7	040.1	045.3	045.7	040.3	047.0	047.2	047.1	047.0	040.0	047.5	040.1	040.4	040.1	040.0	047.9	047.9	U40. I	040.3		040.5	040.4
NO. MEAN MAX	31 649.9 662.5		31 649.9 662.3	31 649.9 662.1	649.9	31	650.2	650.3	650.4	650.6	650.9	31 650.8 661.5	31 650.5 660.8	31 650.2 660.2	31 650.1 659.9	31 650.2 659.8	31 650.3 659.8	30 650.2 659.9	30 650.1 660.4	30 650.0 660.6	31 650.1 661.4	31 650.0 661.9	31 649.9 662.1	31 649.9 662.2		741	99.6%

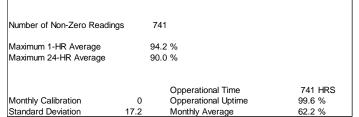




Lagoon Relative Humidity (%) – December 2020

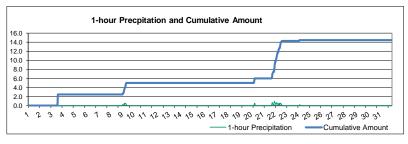
	HOUR													•		_	-									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	34.5	35.3	35.2	35.6	37.0	38.9	38.8	39.7	40.6	41.4	39.8	37.1	34.8	34.4	33.3	33.0	32.4	33.7	36.0	40.0	43.6	45.7	50.0	53.4	38.5	53.4
2	55.6	57.0	58.0	57.9	59.3	63.4	63.5	66.0	66.1	65.7	63.9	55.5	50.8	47.0	44.8	46.7	47.6	48.4	51.2	53.6	55.1	57.9	57.4	59.6	56.3	66.1
3	60.8	61.5	58.6	59.7	57.5	56.8	55.8	56.3	56.1	57.8	52.1	45.4	44.3	40.4	41.4	44.1	46.2	48.3	51.8	54.0	56.5	53.3	53.9	54.1	52.8	61.5
4	52.1	53.8	54.4	52.9	53.5	53.7	53.2	49.1	56.9	59.1	57.5	52.2	43.3	40.4	40.1	42.9	43.7	46.0	48.9	50.5	53.3	54.4	56.0	56.4	51.0	59.1
5	55.5	56.8	55.8	55.2	56.3	56.7	57.4	57.7	57.5	54.1	55.9	53.7	50.7	46.6	42.0	40.0	46.5	49.6	52.3	54.1	56.2	57.1	54.6	53.5	53.2	57.7
6	53.7	54.9	51.5	51.5	51.4	49.5	50.1	48.3	49.8	50.4	44.0	37.3	31.5	29.3	29.9	32.1	35.0	38.1	37.7	38.8	40.7	41.1	41.0	41.4	42.9	54.9
7	37.6	37.7	37.0	35.6	35.9	33.9	33.0	32.5	33.8	35.0	34.2	34.0	34.5	35.5	36.9	38.0	39.0	41.3	45.4	46.0	52.9	53.2	50.9	50.8	39.4	53.2
8	51.6	49.9	53.9	55.1	63.6	67.3	72.7	76.1	73.2	71.9	69.1	66.3	64.3	61.1	60.4	59.0	62.3	67.8	74.6	77.4	80.4	83.3	85.4	88.2	68.1	88.2
9	89.8	89.9	90.8	91.4	92.1	92.9	93.7	94.2	94.2	92.2	89.1	88.4	87.7	88.9	88.9	89.8	91.3	89.2	90.0	90.3	89.8	87.0	83.9	83.5	90.0	94.2
10	82.4	81.6	81.7	79.8	79.8	81.1	81.9	80.9	80.9	80.5	79.4	76.3	75.1	75.8	76.9	78.0	81.3	83.2	86.4	87.7	87.8	88.3	88.8	88.7	81.9	88.8
11	87.5	86.6	87.1	87.7	88.2	87.7	87.8	88.1	88.1	88.6	89.0	88.8	78.7	72.2	71.3	73.1	76.0	77.5	78.6	78.0	77.5	78.4	77.7	76.9	82.1	89.0
12	76.1	75.8	74.5	73.6	73.3	74.0	75.0	75.2	76.6	76.1	77.0	76.9	74.3	71.7	72.5	71.6	75.1	82.9	86.1	87.5	86.7	84.9	84.6	84.5	77.8	87.5
13	83.4	82.5	82.7	82.6	82.9	83.2	82.9	82.7	82.6	82.0	81.2	80.5	79.0	78.4	78.5	79.5	80.0	80.6	81.4	81.1	81.2	69.3	64.3	65.3	79.5	83.4
14	63.2	62.3	62.8	62.3	66.4	67.6	69.6	70.4	70.6	71.7	72.1	67.6	62.2	63.3	64.2	64.5	66.7	65.6	68.8	72.8	69.9	68.4	70.2	69.7	67.2	72.8
15	65.5	61.4	58.1	52.6	46.5	45.7	46.3	48.5	50.3	52.2	48.5	46.5	47.3	49.4	50.4	47.7	45.9	47.1	50.3	49.6	48.3	48.0	44.7	45.7	49.9	65.5
16	51.0	53.5	56.7	52.6	48.2	49.1	52.4	52.7	51.2	44.0	40.2	38.8	39.9	41.0	40.2	41.8	43.4	45.2	45.8	47.3	48.2	46.7	52.4	54.9	47.4	56.7
17	56.9	58.1	55.8	53.9	52.2	48.9	45.8	43.3	45.1	43.9	44.4	44.4	42.9	42.3	40.6	39.4	42.9	50.4	69.2	81.8	79.5	78.7	77.1	75.8	54.7	81.8
18	76.4	80.3	83.4	82.0	49.3	42.1	43.8	46.1	45.5	46.1	46.5	44.5	41.6	42.5	40.9	41.7	40.8	39.1	40.2	38.2	37.8	39.6	40.1	39.7	48.7	83.4
19	42.1	43.3	45.9	37.7	33.6	31.5	35.6	39.5	27.1	25.8	25.2	24.4	24.3	24.9	26.0	28.1	30.3	31.0	32.5	32.6	34.1	39.7	45.2	49.9	33.8	49.9
20	59.5	81.1	84.0	86.9	89.0	89.3	90.5	92.9	91.9	75.7	47.2	35.9	29.6	28.6	30.1	33.0	40.9	45.7	51.1	67.5	70.2	66.3	67.4	60.7	63.1	92.9
21	48.3	41.9	40.1	37.5	31.2	30.7	37.4	42.9	47.3	50.8	55.3	57.9	58.0	55.9	59.4	63.4	82.3	89.6	90.9	91.8	92.3	92.5	92.7	92.7	61.8	92.7
22	92.7	92.5	92.3	91.9	91.5	91.1	90.4	90.3	90.8	90.9	91.0	90.9	90.6	89.8	88.9	88.7	88.6	Р	P	Р	86.3	84.5	82.8	79.5	89.3	92.7
23	77.4	73.3	70.6	69.2	69.0	65.3	65.8	64.2	67.3	64.9	64.2	58.0	53.8	58.7	57.7	56.1	53.4	53.9	53.1	49.6	54.1	58.5	59.5	60.5	61.6	77.4
24	58.6	59.3	60.1	62.6	64.1	66.0	67.8	70.6	73.1	73.0	71.8	66.7	62.3	59.5	55.1	50.2	48.5	49.8	51.8	54.5	58.5	59.6	62.2	64.8	61.3	73.1
25 26	64.9	64.3	66.4	66.4	67.9	68.4	67.8	68.4	68.6	68.0	66.1	63.9	62.3	58.7	58.6	59.6	59.2	62.0	64.6	65.1	64.2 87.8	62.4	67.7	79.1	65.2	79.1 87.8
20 27	82.8	84.1	83.8	82.7	84.9	85.3	84.7	84.3	83.7	84.9	83.9	81.3	80.3	78.7	78.1	78.8	80.3	83.7	84.3	87.0		86.2	85.8	85.8	83.5 76.1	89.1
21 28	87.1 73.7	87.7 71.3	88.3 71.4	87.9 71.5	88.2 70.0	88.8 71.5	89.1 73.8	87.1 73.1	87.1 73.4	87.2 73.1	83.0 70.0	74.1 65.3	69.8 59.0	63.3 59.2	60.0 59.2	55.6 51.4	61.2 52.6	62.4 59.8	64.5 63.0	65.8 63.5	70.5 67.0	72.7 66.3	71.1 67.4	74.1 71.7	66.6	73.8
29	74.3	75.0	75.2	76.2	77.5	78.2	77.3	76.3	76.4	75.0	70.0	67.0	61.5	56.5	54.4	56.2	56.8	60.3	63.3	63.7	64.7	64.4	66.7	67.9	68.2	78.2
30	67.7	65.0	64.8	64.7	63.5	61.6	63.6	61.5	59.4	61.1	60.3	58.7	56.3	57.4	58.3	57.6	57.7	58.2	58.9	60.6	61.0	60.0	61.3	62.2	60.9	67.7
31	63.9	64.4	66.3	65.9	65.9	65.4	66.2	67.5	68.7	70.6	70.2	64.6	60.2	58.5	58.9	56.3	54.1	53.8	48.7	50.5	50.0	54.7	55.0	53.7	60.6	70.6
	03.9	04.4	00.3	ບວ.ສ	00.9	05.4	00.2	01.3	00.7	70.0	10.2	04.0	00.2	30.3	50.9	30.3	34.1	0.00	40.1	30.5	50.0	34.7	55.0	33.1	00.0	70.0
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	31	31	31	31	741	99.6%
MEAN		65.9	66.0						65.6			59.4		55.2		54.8	56.8	58.1	60.7	62.7	64.7		65.1	66.0		
MAX	92.7	92.5	92.3	91.9		92.9	93.7	94.2	94.2	92.2	91.0	90.9	90.6	89.8	88.9	89.8	91.3	89.6	90.9	91.8	92.3	92.5	92.7	92.7		
processories																										





Lagoon Precipitation (mm) – December 2020

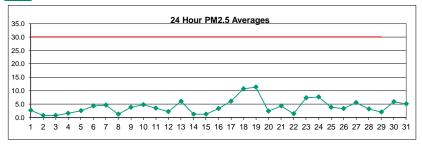
	HOUR																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	ME	AN	MAX
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.1	2.5
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	_ 0.	.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
9	0.0	0.3	0.0	0.3	0.5	0.3	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.1	0.5
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	_ 0.	.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	.0	0.5
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	8.0	0.3	0.3	0.0	1.0	0.	.1	1.0
22	0.8	0.5	0.0	0.5	8.0	0.5	0.3	0.0	0.5	0.5	0.0	0.5	0.5	0.3	0.3	0.0	0.0	Р	Р	Р	0.0	0.0	0.0	0.0	_ 0.	.3	0.8
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	.0	0.0
24	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.3
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	.0	0.0
NO WEAN MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31 0.0 0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0		0.0	30 0.0 0.0	30 0.0 0.3	0.0	31 0.0 0.3	0.0	31 0.0 0.0	31 0.0 1.0	74	11	100%

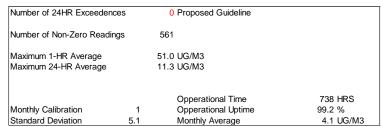


Number of Non-Zero Readings		28	
Maximum 1-HR Average		2.5 MM	
Maximum 24-HR Average		0.3 MM	
		Opperational Time	741 HRS
Monthly Calibration	0	Opperational Uptime	99.6 %
Standard Deviation 0	.129	Monthly Average	0.02 MM

Windridge $PM_{2.5}$ (µg/m³) – December 2020

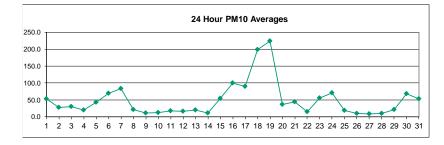
	1 1.0	2	3	4																							
	1.0				5	6	7	8 .	9 .	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		MEAN	M
9000	1.0	0.0	2.0	4.0	8.0	6.0	2.0	0.0	1.0	0.0	0.0	6.0	4.0	4.0	8.0	6.0	3.0	2.0	3.0	4.0	3.0	0.0	0.0	0.0		2.8	8.
	0.0	2.0	1.0	0.0	1.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	2.0	2.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0	4.0		0.9	4.
	3.0	0.0	0.0	4.0	3.0	0.0	2.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	1.0	2.0		8.0	4.
	1.0	0.0	1.0	1.0	0.0	0.0	2.0	3.0	3.0	1.0	0.0	1.0	2.0	С	2.0	1.0	2.0	3.0	3.0	1.0	0.0	2.0	4.0	2.0		1.5	4
	1.0	1.0	3.0	5.0	6.0	4.0	3.0	3.0	6.0	7.0	6.0	4.0	1.0	0.0	2.0	0.0	0.0	3.0	2.0	1.0	0.0	1.0	1.0	0.0	7	2.5	7.
	3.0	2.0	0.0	1.0	3.0	1.0	0.0	0.0	2.0	2.0	1.0	2.0	2.0	3.0	4.0	4.0	6.0	8.0	6.0	17.0	5.0	14.0	10.0	8.0		4.3	17
	7.0	11.0	26.0	4.0	2.0	0.0	1.0	0.0	0.0	4.0	7.0	6.0	2.0	2.0	5.0	6.0	3.0	5.0	3.0	0.0	0.0	10.0	5.0	1.0		4.6	26
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	11.0	10.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	•	1.3	11
	1.0	1.0	3.0	2.0	2.0	1.0	1.0	2.0	0.0	0.0	0.0	1.0	1.0	0.0	11.0	26.0	21.0	8.0	4.0	0.0	0.0	1.0	4.0	2.0	•	3.8	26
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	8.0	7.0	6.0	11.0	17.0	8.0	14.0	9.0	5.0	4.0	8.0	5.0	8.0	•	4.8	17
	11.0	10.0	6.0	5.0	5.0	4.0	2.0	1.0	3.0	4.0	4.0	3.0	6.0	5.0	3.0	3.0	1.0	0.0	1.0	2.0	1.0	2.0	2.0	0.0	_	3.5	11
	0.0	3.0	2.0	0.0	1.0	2.0	2.0	0.0	0.0	0.0	0.0	4.0	3.0	2.0	3.0	5.0	3.0	2.0	2.0	6.0	7.0	3.0	2.0	1.0	•	2.2	7
	2.0	2.0	0.0	0.0	3.0	3.0	3.0	4.0	4.0	2.0	5.0	4.0	11.0	17.0	11.0	10.0	9.0	10.0	6.0	16.0	8.0	9.0	5.0	3.0	•	6.1	1
	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	5.0	4.0	5.0	3.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	•	1.3	6
	0.0	0.0	0.0	0.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	6.0	4.0	6.0	4.0	1.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	3.0	•	1.3	• 6
	3.0	3.0	1.0	0.0	0.0	3.0	3.0	2.0	1.0	0.0	5.0	13.0	15.0	8.0	2.0	0.0	0.0	2.0	3.0	4.0	3.0	5.0	4.0	1.0	_	3.4	1:
	0.0	0.0	1.0	1.0	5.0	5.0	6.0	4.0	1.0	4.0	5.0	5.0	6.0	6.0	5.0	8.0	5.0	6.0	9.0	8.0	10.0	17.0	16.0	13.0	7	6.1	17
	10.0	6.0	7.0	6.0	6.0	10.0	8.0	6.0	6.0	5.0	17.0	4.0	9.0	17.0	19.0	40.0	17.0	3.0	5.0	4.0	16.0	14.0	9.0	13.0	•	10.7	40
	21.0	4.0	9.0	26.0	8.0	5.0	4.0	4.0	5.0	51.0	15.0	14.0	21.0	11.0	8.0	14.0	13.0	8.0	4.0	5.0	5.0	6.0	7.0	4.0		11.3	5
	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0	2.0	10.0	6.0	13.0	9.0	4.0	3.0	4.0	1.0	0.0	1.0		2.5	1:
	1.0	3.0	4.0	5.0	6.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	22.0	14.0	17.0	10.0	5.0	2.0	2.0	1.0	2.0	0.0	0.0	2.0	•	4.3	2
	3.0	0.0	0.0	2.0	0.0	0.0	1.0	1.0	2.0	3.0	1.0	2.0	4.0	2.0	2.0	3.0	1.0	Р	Р	Р	Р	Р	Р	0.0		1.5	4
	1.0	4.0	4.0	4.0	5.0	3.0	1.0	1.0	0.0	3.0	5.0	3.0	10.0	21.0	27.0	6.0	6.0	3.0	8.0	10.0	22.0	13.0	8.0	7.0	•	7.3	2
	8.0	7.0	23.0	14.0	10.0	23.0	15.0	3.0	4.0	2.0	1.0	3.0	0.0	19.0	14.0	8.0	9.0	6.0	1.0	1.0	3.0	3.0	3.0	3.0	•	7.6	23
	1.0	1.0	1.0	0.0	1.0	0.0	0.0	3.0	7.0	3.0	0.0	5.0	2.0	0.0	18.0	4.0	14.0	7.0	2.0	1.0	6.0	6.0	4.0	7.0	_	3.9	18
	5.0	2.0	5.0	3.0	1.0	0.0	0.0	1.0	2.0	0.0	7.0	5.0	1.0	0.0	1.0	3.0	3.0	5.0	6.0	5.0	8.0	7.0	3.0	6.0	7	3.3	8
	6.0	3.0	5.0	6.0	6.0	6.0	10.0	8.0	6.0	3.0	6.0	5.0	3.0	2.0	8.0	11.0	11.0	5.0	0.0	6.0	5.0	3.0	4.0	5.0	•	5.5	1
	3.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.0	4.0	4.0	3.0	6.0	11.0	10.0	7.0	4.0	7.0	8.0	5.0	3.0	7	3.3	1
	5.0	4.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	3.0	3.0	2.0	1.0	2.0	2.0	3.0	3.0	4.0	3.0	1.0	0.0	1.0	1.0	•	2.0	F 5
	4.0	3.0	0.0	0.0	4.0	8.0	10.0	6.0	4.0	10.0	8.0	5.0	4.0	11.0	12.0	8.0	5.0	11.0	8.0	5.0	5.0	4.0	4.0	3.0	•	5.9	12
	2.0	4.0	4.0	1.0	0.0	3.0	3.0	5.0	3.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0	4.0	9.0	13.0	17.0	16.0	13.0	9.0	12.0	•	5.1	17
	30.0	30.0		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0		737	99.
N.	3.4	2.5	3.6	3.1	2.9	3.1	2.7	2.0			3.3	3.8	4.9	5.6	7.2	7.3	6.1	5.0	3.9	4.3	4.8	5.1	4.0	3.7		7.5	
	21.0	11.0	26.0	26.0	10.0	23.0	15.0	8.0	7.0	51.0	17.0	14.0	22.0	21.0	27.0	40.0	21.0	14.0	13.0	17.0	22.0	17.0	16.0	13.0		17.4	70

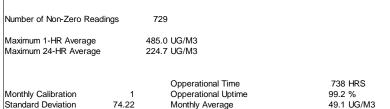




Windridge PM_{10} (µg/m³) – December 2020

	HOUR																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		MEAN	MAX
1	2.0	3.0	9.0	11.0	57.0	8.0	6.0	5.0	7.0	27.0	52.0	62.0	86.0	84.0	184.0	115.0	76.0	117.0	144.0	104.0	29.0	32.0	27.0	26.0	1	53.0	184.0
2	48.0	73.0	26.0	36.0	23.0	11.0	10.0	9.0	10.0	24.0	27.0	44.0	60.0	35.0	38.0	42.0	31.0	16.0	11.0	16.0	6.0	23.0	19.0	19.0	1	27.4	73.0
3	10.0	5.0	33.0	17.0	7.0	10.0	78.0	24.0	80.0	69.0	30.0	42.0	51.0	50.0	32.0	27.0	27.0	14.0	10.0	7.0	6.0	6.0	22.0	57.0	1	29.8	80.0
4	12.0	13.0	8.0	14.0	26.0	20.0	6.0	19.0	59.0	23.0	13.0	13.0	14.0	14.0	С	42.0	32.0	20.0	15.0	15.0	34.0	18.0	14.0	13.0		19.9	59.0
5	24.0	49.0	31.0	51.0	93.0	84.0	96.0	103.0	75.0	78.0	40.0	12.0	11.0	22.0	27.0	11.0	25.0	17.0	23.0	25.0	11.0	29.0	47.0	33.0	1	42.4	103.0
6	69.0	27.0	13.0	12.0	15.0	11.0	6.0	2.0	2.0	4.0	10.0	91.0	69.0	61.0	68.0	50.0	56.0	171.0	101.0	235.0	140.0	204.0	182.0	82.0	1	70.0	235.0
7	38.0	311.0	410.0	96.0	38.0	24.0	26.0	26.0	43.0	76.0	159.0	176.0	69.0	60.0	99.0	76.0	52.0	51.0	25.0	13.0	38.0	27.0	27.0	38.0	1	83.3	410.0
8	14.0	14.0	26.0	22.0	18.0	5.0	5.0	21.0	16.0	16.0	13.0	13.0	23.0	25.0	38.0	81.0	73.0	54.0	16.0	6.0	4.0	3.0	3.0	3.0	1	21.3	81.0
9	4.0	3.0	7.0	7.0	7.0	7.0	4.0	1.0	4.0	4.0	6.0	22.0	12.0	17.0	20.0	35.0	37.0	14.0	8.0	6.0	6.0	6.0	11.0	6.0	1	10.6	37.0
10	6.0	4.0	0.0	0.0	1.0	4.0	2.0	4.0	4.0	6.0	6.0	12.0	11.0	15.0	27.0	37.0	31.0	17.0	13.0	13.0	25.0	20.0	16.0	17.0	1	12.1	37.0
11	23.0	24.0	16.0	10.0	42.0	22.0	9.0	7.0	18.0	53.0	49.0	29.0	26.0	20.0	10.0	10.0	10.0	9.0	5.0	3.0	3.0	6.0	8.0	4.0	1	17.3	53.0
12	4.0	7.0	4.0	7.0	9.0	7.0	5.0	4.0	3.0	5.0	31.0	23.0	43.0	43.0	29.0	34.0	14.0	8.0	11.0	16.0	25.0	27.0	18.0	16.0	1	16.4	43.0
13	23.0	14.0	8.0	13.0	9.0	6.0	9.0	10.0	7.0	9.0	9.0	8.0	25.0	40.0	20.0	22.0	13.0	9.0	10.0	28.0	18.0	22.0	67.0	96.0	1	20.6	96.0
14	38.0	24.0	15.0	17.0	19.0	2.0	8.0	9.0	6.0	7.0	10.0	11.0	13.0	15.0	16.0	14.0	9.0	5.0	3.0	6.0	5.0	0.0	2.0	6.0	1	10.8	38.0
15	8.0	16.0	13.0	10.0	15.0	19.0	19.0	21.0	42.0	176.0	92.0	82.0	69.0	74.0	59.0	56.0	67.0	79.0	67.0	50.0	82.0	79.0	29.0	70.0	1	53.9	176.0
16	88.0	53.0	50.0	62.0	58.0	63.0	21.0	30.0	49.0	92.0	177.0	349.0	347.0	219.0	80.0	72.0	88.0	103.0	72.0	33.0	59.0	127.0	34.0	59.0	1	99.4	349.0
17	7.0	27.0	76.0	86.0	160.0	91.0	77.0	69.0	72.0	93.0	106.0	153.0	159.0	111.0	172.0	279.0	148.0	90.0	68.0	41.0	20.0	19.0	22.0	12.0		89.9	279.0
18	15.0	13.0	21.0	14.0	12.0	121.0	98.0	101.0	87.0	189.0	412.0	139.0	278.0	387.0	430.0	485.0	299.0	138.0	151.0	105.0	456.0	163.0	213.0	440.0		198.6	485.0
19	385.0	203.0	113.0	485.0	165.0	121.0	132.0	125.0	216.0	485.0	396.0	256.0	460.0	273.0	178.0	271.0	232.0	149.0	105.0	138.0	130.0	190.0	103.0	81.0		224.7	485.0
20	60.0	38.0	64.0	10.0	11.0	12.0	5.0	10.0	5.0	18.0	38.0	57.0	56.0	45.0	86.0	72.0	62.0	19.0	27.0	66.0	42.0	9.0	47.0	6.0		36.0	86.0
21	43.0	106.0	125.0	146.0	141.0	69.0	17.0	13.0	8.0	10.0	9.0	25.0	30.0	31.0	52.0	20.0	10.0	53.0	24.0	31.0	52.0	15.0	17.0	12.0	1	44.1	146.0
22	17.0	23.0	27.0	14.0	15.0	15.0	27.0	27.0	7.0	12.0	9.0	10.0	11.0	12.0	19.0	13.0	11.0	Р	Р	Р	Р	Р	Р	1.0		15.0	27.0
23	7.0	16.0	14.0	25.0	15.0	18.0	30.0	29.0	30.0	58.0	34.0	21.0	56.0	64.0	56.0	55.0	85.0	96.0	98.0	60.0	69.0	137.0	105.0	141.0		55.0	141.0
24	130.0	265.0	485.0	60.0	201.0	172.0	64.0	19.0	15.0	72.0	28.0	24.0	17.0	17.0	29.0	8.0	16.0	15.0	14.0	13.0	16.0	13.0	9.0	5.0	1	71.1	485.0
25	22.0	48.0	98.0	11.0	33.0	30.0	40.0	29.0	12.0	18.0	16.0	8.0	10.0	8.0	6.0	5.0	4.0	3.0	3.0	17.0	6.0	6.0	2.0	10.0	,	18.5	98.0
26	15.0	11.0	14.0	16.0	12.0	18.0	13.0	9.0	4.0	4.0	13.0	14.0	15.0	8.0	2.0	7.0	5.0	8.0	9.0	12.0	8.0	5.0	12.0	11.0		10.2	18.0
27	12.0	7.0	7.0	6.0	9.0	8.0	13.0	13.0	10.0	6.0	11.0	7.0	1.0	0.0	8.0	26.0	26.0	5.0	3.0	2.0	5.0	8.0	8.0	4.0		8.5	26.0
28	7.0	5.0	0.0	0.0	0.0	0.0	1.0	1.0	3.0	3.0	5.0	4.0	26.0	17.0	13.0	15.0	25.0	33.0	14.0	9.0	24.0	10.0	6.0	6.0		9.5	33.0
29	3.0	3.0	3.0	2.0	1.0	2.0	3.0	3.0	7.0	6.0	38.0	12.0	8.0	17.0	16.0	17.0	13.0	24.0	26.0	54.0	38.0	29.0	53.0	121.0	,	20.8	121.0
30	80.0	45.0	58.0	54.0	103.0	43.0	49.0	15.0	8.0	50.0	64.0	55.0	61.0	119.0	96.0	59.0	61.0	96.0	95.0	86.0	62.0	104.0	110.0	69.0	,	68.4	119.0
31	27.0	16.0	8.0	5.0	21.0	40.0	23.0	1.0	5.0	9.0	18.0	16.0	32.0	59.0	56.0	63.0	74.0	103.0	117.0	99.0	142.0	143.0	75.0	116.0	1	52.8	143.0
************									, .	, ,	, .	, .	, .	,		, .	,						_				
NO.	31						31				31		31	31	30	31	31	30	30	30	30	30	30	31		737	99.2%
MEAN				42.5										63.3	65.5	68.4	55.2	51.2	42.9	43.6	52.0	49.3	43.6	51.0		42.0	
MAX	385.0	311.0	485.0	485.0	201.0	172.0	132.0	125.0	216.0	485.0	412.0	349.0	460.0	387.0	430.0	485.0	299.0	171.0	151.0	235.0	456.0	204.0	213.0	440.0		91.1	433.3



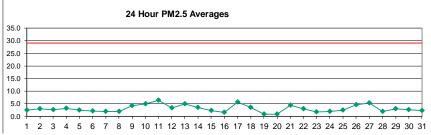


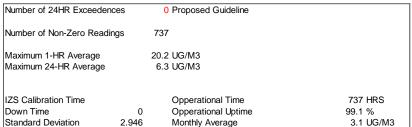
Windridge TSP (µg/m³) – December 2020

	HOUR															-										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	9.0	14.0	13.0	27.0	81.0	10.0	6.0	1.0	11.0	45.0	81.0	107.0	150.0	133.0	301.0	179.0	125.0	187.0	206.0	110.0	45.0	35.0	43.0	27.0	81.1	301.0
2	46.0	33.0	18.0	21.0	21.0	23.0	14.0	16.0	17.0	32.0	34.0	58.0	83.0	57.0	51.0	64.0	47.0	20.0	8.0	11.0	8.0	12.0	15.0	15.0	30.2	83.0
3	5.0	7.0	16.0	16.0	2.0	15.0	25.0	20.0	31.0	30.0	37.0	16.0	40.0	30.0	48.0	37.0	40.0	17.0	14.0	10.0	13.0	9.0	36.0	76.0	24.6	76.0
4	18.0	21.0	13.0	18.0	37.0	37.0	10.0	18.0	106.0	44.0	14.0	18.0	18.0	С	С	47.0	44.0	26.0	15.0	13.0	40.0	28.0	16.0	20.0	28.2	106.0
5	26.0	56.0	37.0	65.0	126.0	98.0	119.0	110.0	101.0	101.0	52.0	21.0	24.0	23.0	43.0	17.0	32.0	24.0	38.0	37.0	22.0	42.0	60.0	41.0	54.8	126.0
6	75.0	30.0	22.0	16.0	15.0	9.0	6.0	4.0	2.0	6.0	-	115.0	94.0	72.0	98.0	65.0	81.0		133.0	_	189.0	255.0	249.0	114.0	92.5	304.0
7	57.0	383.0	492.0		58.0	30.0	33.0	41.0	66.0		-	-	87.0	88.0	137.0	104.0	69.0	80.0	27.0	16.0	51.0	37.0	28.0	37.0	106.1	492.0
8	12.0	17.0	20.0	27.0	16.0	5.0	6.0	17.0	15.0	17.0	18.0	15.0	35.0	34.0	51.0	105.0	95.0	73.0	26.0	0.0	3.0	3.0	2.0	5.0	25.7	105.0
9	4.0	8.0	5.0	1.0	3.0	5.0	5.0	5.0	5.0	7.0	9.0	17.0	8.0	24.0	22.0	40.0	46.0	18.0	1.0	6.0	6.0	12.0	7.0	3.0	11.1	46.0
10	6.0	7.0	4.0	0.0	0.0	1.0	3.0	3.0	5.0	7.0	5.0	9.0	9.0	22.0	27.0	44.0	40.0	23.0	17.0	11.0	35.0	29.0	20.0	30.0	14.9	44.0
11	29.0	27.0	13.0	9.0	59.0	31.0	11.0	8.0	37.0	84.0	62.0	33.0	44.0	33.0	12.0	18.0	13.0	15.0	9.0	7.0	4.0	14.0	12.0	6.0	24.6	84.0
12	5.0	15.0	9.0	9.0	17.0	9.0	5.0	6.0	3.0	7.0	53.0	36.0	67.0	61.0	47.0	57.0	17.0	11.0	11.0	22.0	28.0	38.0	22.0	22.0	24.0	67.0
13	54.0	15.0	9.0	22.0	9.0	10.0	8.0	9.0	7.0	9.0	13.0	11.0	27.0	38.0	16.0	20.0	16.0	12.0	11.0	34.0	28.0	32.0	94.0	118.0	25.9	118.0
14	53.0	28.0	37.0	24.0	23.0	12.0	7.0	6.0	6.0	5.0	4.0	14.0	19.0	20.0	24.0	13.0	8.0	8.0	6.0	5.0	4.0	2.0	4.0	4.0	14.0	53.0
15	4.0	9.0	18.0	18.0	20.0	29.0	32.0	39.0	_		115.0	\rightarrow	99.0	93.0	87.0		117.0		111.0	82.0	141.0		52.0	141.0	83.0	247.0
16	159.0	95.0	79.0	_	86.0	91.0	35.0	39.0	95.0		-	-	425.0		133.0		155.0	176.0	126.0	54.0	86.0	172.0	60.0	81.0	144.6	425.0
17	19.0	38.0	91.0	106.0		121.0	93.0		112.0	133.0	-	_	234.0		261.0		217.0	152.0	104.0	68.0	17.0	25.0	13.0	22.0	126.6	325.0
18	16.0	16.0	26.0	28.0	14.0	207.0	163.0	150.0	130.0	299.0		207.0	359.0	475.0	562.0	985.0		174.0	191.0	156.0	476.0	206.0	266.0	434.0	264.0	985.0
19		205.0	146.0	_	_	158.0	166.0		232.0	985.0	_	305.0	441.0		210.0		287.0	_	151.0	_	152.0	214.0	117.0	87.0	275.5	985.0
20	81.0	49.0	59.0	15.0	9.0	7.0	3.0	2.0	1.0	21.0	39.0	90.0	82.0	72.0	122.0	121.0	100.0	32.0	51.0	96.0	51.0	10.0	57.0	4.0	48.9	122.0
21	48.0	129.0	164.0		185.0	102.0	31.0	20.0	13.0	23.0	18.0	28.0	38.0	36.0	75.0	39.0	23.0	33.0	21.0	20.0	26.0	14.0	36.0	22.0	56.3	208.0
22	70.0	46.0	87.0	45.0	43.0	71.0	-	102.0	21.0	16.0	10.0	9.0	18.0	15.0	43.0	29.0	7.0	Р	Р	Р	P	Р	Р	20.0	44.8	155.0
23	55.0	160.0	90.0	70.0	41.0	39.0	98.0	112.0	101.0	449.0	123.0	51.0	124.0		111.0		154.0	139.0	150.0	69.0	75.0	136.0	123.0	104.0	115.6	449.0
24	129.0	285.0	405.0	89.0		175.0	105.0	11.0	8.0	22.0	6.0	6.0	6.0	10.0	24.0	12.0	10.0	18.0	15.0	8.0	12.0	6.0	4.0	5.0	62.1	16.0
25	3.0	3.0	9.0	6.0	6.0	8.0	17.0	15.0	12.0	13.0	15.0	10.0	8.0	4.0	6.0	7.0	6.0	6.0	4.0	18.0	7.0	6.0	3.0	16.0	8.7	18.0
26	18.0	25.0	21.0	34.0	11.0	32.0	37.0	12.0	10.0	6.0	21.0	14.0	13.0	8.0	9.0	8.0	6.0	16.0	14.0	11.0	8.0	8.0	14.0	13.0	15.4	37.0
27	9.0	7.0	7.0	6.0	9.0	11.0	16.0	10.0	10.0	12.0	13.0	8.0	5.0	4.0	12.0	35.0	41.0	8.0	5.0	5.0	7.0	11.0	8.0	5.0	11.0	41.0
28	5.0	3.0	2.0 6.0	1.0 5.0	0.0	0.0	0.0	0.0	0.0 5.0	2.0 3.0	1.0	3.0 10.0	21.0	25.0	13.0 31.0	17.0	33.0	37.0 28.0	15.0	12.0	33.0	13.0 35.0	11.0 38.0	7.0 102.0	10.6	37.0
29 30	5.0	5.0	-		6.0	4.0	0.0	0.0	-		10.0	_	9.0	18.0		28.0	16.0		28.0	61.0	50.0				21.0	102.0
31	51.0 32.0 47.0 49.0 72.0 50.0 55.0 15.0 17.0 65.0 71.0 62.0 86.0 176 42.0 14.0 11.0 8.0 24.0 31.0 35.0 6.0 7.0 17.0 15.0 20.0 37.0 83														136.0	86.0	94.0	126.0	112.0	92.0	63.0	122.0	131.0	85.0 152.0	79.0	176.0
0.1	42.0	14.0	11.0	8.0	24.0	31.0	35.0	6.0	7.0	17.0	15.0	20.0	37.0	83.0	63.0	77.0	82.0	131.0	157.0	132.0	188.0	186.0	97.0	152.0	67.3	188.0
NO.	31	31	31 1	31	31	31	31	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30	31	736	99.2%
MEAN	31 31 31 31 31 31 31 31 31 31 31 31 31 3														92.5	102.3	75.4	72.8	59.2	54.4	62.3	61.4	54.6	58.6	730	99.270
															562.0	985.0		251.0	206.0	304.0	476.0	255.0	266.0	434.0		
*************	438.0 * 383.0 * 492.0 * 583.0 * 226.0 * 207.0 * 166.0 * 153.0 * 232.0 * 985.0 * 479.0 * 418.0 * 441.0 * 475.0 * 562															Numbe							ed Guide			
	N																				•					
300.0 ⊤		24 Hour TSP Averages														Numbe	r of Nor	n-Zero	Readin	gs	726					
250.0								*	1_																	
200.0															Maximu			•		985.0						
																Maximu	ım 24-F	HR Ave	rage		275.5	UG/M3				
150.0							*	\checkmark	_		_															
100.0							*		-\		$\overline{}$					IZS Ca	librotic	Time				Onnorce	tional Ti-	mo	720	HRS
50.0		-					$\overline{}$		-	•	- *					Down 7		ıııme		0			tional Tin		738 99.2	_
0.0	-	*		•			<u>′ </u>						-	•		Standa		ation		98.5			tional Up Average			% UG/M3
1													Jianua	ia Devi	atiOH		30.0		ivioritrily	Average		04.3	JG/IVI3			

West $PM_{2.5}$ (µg/m³) – December 2020

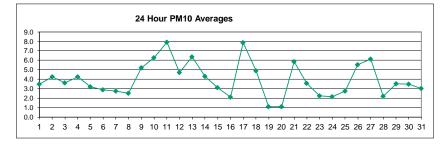
HOU	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
0.5	0.5	0.5	0.5	0.7	0.9	1.0	1.9	4.6	5.6	5.4	4.6	4.8	4.8	5.4	3.3	2.6	2.3	1.7	1.5	1.6	1.4	1.5	1.4	2.4	-
1.3	1.1	1.0	1.0	0.9	1.0	1.5	3.6	4.4	4.8	5.5	4.0	5.2	4.1	5.6	6.0	4.3	3.2	3.2	2.5	2.7	2.3	2.0	1.9	3.0	•
1.6	1.4	1.4	1.3	1.3	1.3	1.3	1.4	1.9	2.8	3.8	4.5	4.0	5.3	4.2	4.0	4.0	3.8	3.1	2.8	3.0	2.2	2.0	1.9	2.7	•
1.7	1.7	1.6	1.6	1.6	1.5	1.7	2.5	3.4	4.1	7.0	6.5	6.9	X	X	5.9	5.8	2.5	2.3	2.3	2.3	2.2	2.3	2.2	3.2	
2.2	2.1	1.9	1.9	2.1	2.3	2.5	2.5	2.3	2.4	2.7	2.6	3.1	2.8	2.7	2.7	2.9	3.2	2.8	2.8	2.9	2.6	2.3	2.1	2.5	-
1.9	1.8	1.8	1.6	1.7	1.5	1.5	1.5	1.6	1.9	2.8	4.1	3.7	3.9	2.6	2.5	2.4	2.4	2.3	2.8	1.2	1.4	1.2	1.3	2.1	•
1.7	1.8	1.3	0.9	0.9	1.3	1.5	2.6	3.7	5.0	4.1	2.9	3.0	3.3	2.9	2.9	1.7	1.3	0.6	0.7	0.6	0.5	0.5	0.6	1.9	
0.8	0.7	0.7	0.7	0.7	0.6	1.0	1.0	1.9	1.5	1.4	1.4	3.0	5.2	7.4	4.3	2.9	1.8	1.5	1.5	1.4	1.6	1.6	1.6	1.9	-
3.3	4.2	1.8	3.0	3.9	4.0	4.2	1.4	1.7	0.5	0.2	0.9	2.3	6.2	14.2	13.5	4.9	3.2	5.0	8.1	5.4	5.4	3.6	2.5	4.3	
1.7	1.2	0.9	0.7	0.7	8.0	0.9	1.2	1.2	5.9	8.2	7.9	9.7	15.9	10.6	7.8	6.6	5.1	5.1	5.5	4.2	4.7	5.8	7.9	5.0	
8.5	8.5	8.3	6.6	5.9	5.0	6.0	4.2	8.6	10.9	13.9	11.8	8.0	5.4	6.2	6.7	5.0	3.4	3.5	3.3	2.7	3.2	3.0	2.3	6.3	
1.7	1.6	1.1	1.1	1.1	1.1	0.9	1.4	2.7	3.1	4.3	5.9	6.3	5.5	6.6	7.0	4.7	5.0	4.5	4.1	2.7	1.8	2.5	5.0	3.4	
3.7	3.0	3.0	2.3	3.3	3.8	4.5	5.2	5.8	7.4	9.3	9.6	7.5	6.6	6.5	6.5	9.4	9.0	4.3	2.3	2.0	1.9	1.8	1.7	5.0	
1.6	1.5	1.4	1.4	1.3	1.5	1.4	1.5	2.1	3.5	5.4	9.8	8.8	7.5	7.7	4.7	5.8	4.3	2.4	2.2	2.3	2.2	2.0	1.6	3.5	_
1.4	1.1	1.1	0.6	0.5	0.9	2.0	3.3	3.7	3.8	5.4	4.9	4.5	3.8	4.4	4.9	2.2	1.3	1.4	1.1	0.7	0.5	0.5	0.2	2.3	_
0.5	0.2	0.5	0.2	0.1	0.5	1.2	2.8	2.9	3.2	2.0	2.5	2.1	2.1	3.8	2.2	2.3	1.1	1.3	8.0	0.7	1.2	0.7	0.7	1.5	
0.7	0.7	8.0	0.4	0.2	0.4	2.4	2.7	5.6	3.7	3.6	2.9	3.2	3.0	2.0	2.6	2.2	1.2	3.4	15.8	20.2	20.2	19.0	18.9	5.7	
17.9	16.4	15.1	3.8	0.7	0.5	1.5	2.8	1.8	2.1	2.2	2.2	2.0	2.2	2.0	1.9	1.8	8.0	0.9	2.2	0.7	0.7	8.0	0.6	3.5	_
0.4	0.5	0.7	2.0	8.0	1.0	0.6	1.0	1.3	0.9	0.9	8.0	0.9	8.0	1.2	8.0	8.0	0.7	0.4	0.5	0.3	0.5	0.5	0.6	0.8	į
1.5	1.2	0.2	0.4	0.2	0.2	0.2	0.1	0.2	0.6	8.0	1.4	2.7	1.6	0.7	1.4	0.6	1.1	1.8	0.6	0.4	0.6	1.1	0.8	0.8	
0.3	0.3	0.4	0.2	0.3	1.8	6.4	2.9	5.5	3.3	13.1	17.0	10.4	11.8	11.9	2.2	1.8	1.5	2.4	2.1	3.9	1.7	2.2	3.0	4.4	•
1.4	1.2	3.0	3.6	2.9	4.4	6.5	1.6	1.2	2.2	4.3	4.0	3.0	2.7	3.6	1.7	Р	Р	Р	Р	Р	3.0	2.9	3.1	3.0	
2.3	1.3	1.0	1.1	8.0	0.7	0.7	0.6	0.9	1.3	1.7	2.2	2.2	3.1	3.1	2.8	3.6	3.6	2.7	1.8	2.0	1.6	1.2	1.5	1.8	
1.5	1.2	0.9	1.1	1.0	8.0	0.8	0.9	1.8	2.1	2.4	2.0	1.7	1.8	2.0	1.8	1.7	2.1	2.4	2.7	3.7	3.6	2.6	2.4	1.9	
2.2	1.8	1.6	1.5	1.5	1.5	1.3	1.2	1.5	1.8	2.3	2.9	3.6	2.8	2.9	2.4	2.3	2.4	3.2	3.5	3.3	3.1	4.1	4.8	2.5	
3.7	2.7	1.8	1.6	1.8	1.6	1.4	2.0	1.7	2.4	4.3	3.5	1.9	2.5	4.5	3.5	3.2	7.5	8.1	7.0	9.2	10.3	11.6	11.1	4.5	
10.2		10.5	13.2	13.4	11.8	10.1	9.8	6.2	3.6	2.6	2.0	1.5	1.4	1.0	0.9	1.6	1.2	2.9	3.5	3.1	3.0	2.7	2.3	5.3	
1.7	1.4	1.2	1.2	1.1	1.1	1.2	1.2	1.3	1.5	1.9	1.8	1.4	2.4	2.4	1.5	1.8	3.3	4.5	1.7	3.6	3.1	2.5	2.8	2.0	,
2.8	3.0	2.6	2.5	2.5	2.6	2.2	2.1	2.1	3.8	4.8	2.6	3.4	5.5	5.1	4.7	3.8	2.2	2.4	2.6	2.1	2.0	2.2	2.4	3.0	
1.6	1.6	1.5	1.3	1.3	1.3	1.3	1.5	1.4	2.2	4.7	5.4	5.5	6.8	6.3	4.7	3.5	2.1	1.9	1.7	1.8	1.7	1.8	1.3	2.7	,
1.2	1.2	1.1	1.1	1.0	1.1	1.2	1.4	1.2	1.8	2.0	2.4	5.4	5.8	6.3	4.2	3.0	2.2	2.4	1.6	2.0	3.8	1.7	0.6	2.3	
31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31	30	30	30	30	30	31	31	31	737	
2.7	2.5	2.3	1.9		1.9	2.3	2.2	2.8		4.3		4.2	4.5		3.9	3.3	2.8	2.8	3.0	3.1	3.0	2.9	2.9	131	
17.9	16.4	_		- 1.0	_ 1.5		V	8.6	7	13.9			7.5		▶ 3.3	0.0	2.0	2.0	5.0	٥.١	- 0.0				





West PM_{10} (µg/m³) – December 2020

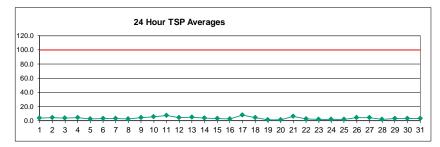
	HOUR Day 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 M																										
Day			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		MEAN	MAX
	0.5	0.5	0.6	0.5	0.8	1.1	1.2	2.7	6.8	8.2	8.0	6.8	7.0	7.1	8.0	5.0	3.8	3.3	2.4	1.9	2.2	1.7	1.8	1.6		3.5	8.2
2	1.5	1.2	1.2	1.1	1.0	1.2	1.9	5.2	6.6	7.1	8.1	5.9	7.8	6.1	8.3	8.9	6.3	4.7	4.5	3.3	3.4	2.7	2.3	2.1		4.3	8.9
3	1.8	1.6	1.5	1.4	1.4	1.4	1.5	1.6	2.5	4.0	5.6	6.7	5.9	7.8	6.3	5.9	5.9	5.6	4.1	3.4	3.7	2.6	2.4	2.1		3.6	7.8
4	1.9	1.9	1.8	1.9	1.7	1.7	1.9	3.4	4.8	5.9	10.3	9.6	10.3	X	Х	8.7	8.5	3.5	3.0	2.8	2.6	2.4	2.6	2.4		4.3	10.3
5	2.5	2.3	2.1	2.2	2.5	3.0	3.1	3.1	2.9	3.1	3.6	3.5	4.5	4.0	4.0	3.9	4.2	4.5	3.6	3.3	3.3	2.8	2.5	2.3		3.2	4.5
6	2.0	2.0	2.2	1.8	1.9	1.6	1.6	1.7	1.8	2.4	4.1	6.1	5.5	5.8	3.8	3.7	3.4	3.4	3.3	4.0	1.7	2.0	1.7	1.8		2.9	6.1
7	2.5	2.6	1.7	1.0	1.1	1.7	2.0	3.8	5.6	7.5	6.0	4.3	4.4	4.9	4.3	4.3	2.5	1.7	0.7	0.9	0.7	0.5	0.6	0.7		2.8	7.5
8	0.8	8.0	8.0	8.0	0.7	0.7	1.3	1.3	2.5	2.0	2.0	1.9	4.3	7.7	11.0	6.3	4.1	2.2	1.7	1.6	1.5	1.7	1.7	1.7		2.5	11.0
9	3.6	4.6	2.2	3.8	4.7	4.6	5.5	1.9	4.5	0.7	0.3	1.4	4.0	8.4	17.0	18.1	5.9	3.5	5.2	8.2	5.5	5.5	3.6	2.5		5.2	18.1
10	1.7	1.3	0.9	0.7	0.7	8.0	1.0	1.4	1.4	6.8	9.7	9.6	12.5	20.2	13.7	9.9	9.0	6.2	6.5	8.0	5.8	6.3	7.3	9.4		6.3	20.2
11	10.5	10.2	9.7	8.2	6.7	6.1	8.2	5.2	10.9	13.4	17.1	14.8	10.8	7.7	9.1	9.8	7.2	4.6	4.2	3.8	3.0	3.5	3.2	2.4		7.9	17.1
12	1.9	1.7	1.2	1.1	1.2	1.2	1.0	1.7	3.6	4.2	6.1	8.5	9.2	8.1	9.9	10.2	6.9	7.3	6.5	5.7	3.4	2.2	3.2	7.2		4.7	10.2
13	4.9	3.7	3.8	2.9	4.1	4.5	5.0	5.7	6.8	9.5	12.3	12.9	9.7	8.6	8.7	8.7	12.8	12.0	5.3	2.9	2.3	2.1	1.9	1.7		6.4	12.9
14	1.6	1.6	1.5	1.5	1.4	1.6	1.4	1.7	2.6	4.7	7.6	12.6	11.3	9.6	10.2	6.5	7.5	5.1	2.6	2.4	2.4	2.3	2.1	1.7		4.3	12.6
15	1.5	1.1	1.2	0.7	0.6	1.1	2.8	4.7	5.4	5.3	7.7	7.0	6.5	5.4	6.3	7.2	3.2	1.9	1.9	1.3	8.0	0.6	0.7	0.3		3.1	7.7
16	0.6	0.2	0.6	0.2	0.2	0.7	1.7	4.0	4.2	4.6	2.9	3.6	3.0	3.0	5.6	3.2	3.3	1.6	1.9	1.0	0.9	1.5	8.0	0.8		2.1	5.6
17	0.7	8.0	0.9	0.5	0.3	0.6	3.6	3.9	8.2	5.3	5.2	4.2	4.6	4.4	3.0	3.9	3.3	1.7	4.6	22.1	27.2	28.9	24.6	26.7		7.9	28.9
18	25.7	22.3	20.8	4.7	0.9	0.7	2.1	4.0	2.7	3.0	3.2	3.2	3.0	3.2	2.9	2.8	2.6	1.1	1.3	3.1	1.0	0.9	1.1	0.9		4.9	25.7
19	0.5	0.7	1.0	3.0	1.1	1.5	8.0	1.5	1.9	1.3	1.2	1.1	1.3	1.1	1.7	1.1	1.1	0.9	0.6	0.6	0.4	0.6	0.7	0.9		1.1	3.0
20	2.2	1.6	0.3	0.5	0.2	0.3	0.3	0.1	0.3	0.7	1.1	2.0	3.8	2.3	0.9	1.9	0.7	1.4	2.5	8.0	0.4	0.8	1.2	0.9		1.1	3.8
21 22	0.3	0.3	0.5	0.3	0.4	2.6	9.3	4.2	8.1	4.9	17.6	22.3	12.8	14.5	15.4	3.2 2.3	2.6 P	2.0 P	3.3 P	2.7 P	5.4 P	2.1 3.0	2.6	3.5		5.9	22.3
22 23	1.5 2.4	1.4 1.5	3.6 1.1	4.4 1.2	3.8	5.7 0.8	8.6	2.0 0.7	1.3	2.6	5.0 2.2	5.0	3.8 2.8	3.5 4.3	4.4	3.8	•	4.5	3.3	2.1	2.3		3.0 1.4	3.2 1.8		3.6 2.3	8.6 4.8
23 24	2.4	1.6	1.0	1.2	0.9 1.2	0.8	0.8	1.0	1.1 2.1	1.6 2.5	2.2	2.9 2.4	2.0	2.3	4.4 2.6	2.3	4.8 2.0	2.4	3.3 2.7	2.1	3.9	1.8 3.8	2.7	2.5		2.3	3.9
25	2.3	1.8	1.6	1.5	1.5	1.6	1.4	1.2	1.5	1.9	2.5	3.2	4.3	3.7	3.9	3.1	2.8	2.7	3.4	3.7	3.4	3.2	4.4	5.1		2.7	5.1
26	3.9	2.9	2.0	1.7	2.1	1.8	1.5	2.3	2.1	3.1	6.2	4.9	2.2	3.0	5.4	4.1	3.6	9.0	9.6	8.2	10.6	12.4	15.2	15.1		5.5	15.2
 27	12.9	10.7	11.7	17.8	16.4	13.8	11.4	11.0	6.7	3.7	2.7	2.1	1.7	1.8	1.3	1.1	1.7	1.2	2.9	3.5	3.2	3.0	2.7	2.4		6.1	17.8
 28	1.7	1.5	1.2	1.2	1.1	1.1	1.3	1.3	1.3	1.6	2.0	2.0	1.7	3.5	3.5	2.0	2.3	3.8	4.9	1.7	3.7	3.2	2.6	2.8		2.2	4.9
29	2.9	3.1	2.6	2.6	2.6	2.7	2.4	2.3	2.5	4.5	5.6	3.2	4.6	7.8	7.3	6.6	4.6	2.4	2.6	2.7	2.3	2.0	2.2	2.6		3.5	7.8
30	1.6	1.6	1.6	1.4	1.3	1.4	1.4	1.7	1.7	2.7	6.1	7.7	8.2	9.9	9.1	6.8	5.0	2.7	2.2	1.8	2.0	1.9	2.0	1.4		3.5	9.9
31	1.2	1.2	1.2	1.1	1.0	1.1	1.2	1.6	1.4	2.3	2.8	3.3	8.0	8.5	9.3	6.3	4.4	3.1	3.3	2.0	2.4	4.1	1.8	0.6		3.0	9.3
	•																										
NO.	31	31	31	31	31	31		31	31	31	31	31	31	30	30	31	30	30	30	30	30	31	31	31		737	99%
MEAN	3.3	2.9	2.7	2.3	2.1	2.2	2.8	2.8	3.7	4.2	5.7	6.0	5.9	6.3	6.7	5.5	4.5	3.7	3.5	3.8	3.7	3.6	3.4	3.6			
MAX	25.7	22.3	20.8	17.8	16.4	13.8	11.4	11.0	10.9	13.4	17.6	22.3	12.8	20.2	17.0	18.1	12.8	12.0	9.6	22.1	27.2	28.9	24.6	26.7			

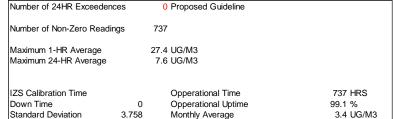


Number of Non-Zero Readings	7	737	
Maximum 1-HR Average	2	8.9 UG/M3	
Maximum 24-HR Average		7.9 UG/M3	
IZS Calibration Time		OpperatioEl Time	737 HRS
Down Time	0	OpperatioEl Uptime	99.1 %
Standard Deviation	4.0	Monthly Average	4.0 UG/M3

West TSP (µg/m³) – December 2020

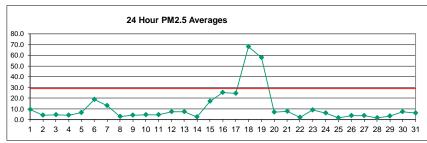
	HOUR	2									\ I			•													
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	ME	ΔN	MAX
1	0.4	0.3	0.4	0.4	0.6	1.0	0.9	2.8	7.8	9.2	8.8	7.2	7.6	7.8	9.0	5.6	4.1	3.5	2.2	1.6	1.7	1.3	1.3	1.2	3.6	;	9.2
2	1.1	0.8	8.0	0.7	0.6	0.8	1.5	5.2	7.2	7.5	9.0	6.4	8.8	6.8	9.4	10.2	6.9	4.7	3.9	2.5	2.4	1.8	1.5	1.4	4.3	3	10.2
3	1.2	1.0	1.0	0.9	0.9	1.0	1.1	1.2	1.9	3.9	5.9	7.3	6.2	8.6	6.8	6.3	6.2	5.4	3.2	2.5	2.8	1.8	1.7	1.4	3.3	3	8.6
4	1.3	1.2	1.2	1.3	1.1	1.2	1.4	2.9	4.4	5.5	10.8	10.4	11.5	X	X	9.9	9.4	3.2	2.2	2.1	1.9	1.6	1.7	1.6	4.0)	11.5
5	1.8	1.5	1.4	1.5	1.9	2.4	2.5	2.5	2.2	2.4	3.0	3.1	4.2	3.8	3.9	3.8	3.8	3.9	2.7	2.3	2.3	1.8	1.6	1.5	2.6	; <u> </u>	4.2
6	1.3	1.3	1.6	1.2	1.3	1.1	1.1	1.1	1.3	1.8	3.9	6.5	6.1	6.5	4.0	3.7	3.6	3.5	3.5	4.3	1.5	1.8	1.6	1.7	2.7	_	6.5
7	2.5	2.5	1.6	0.7	0.7	1.4	1.8	4.0	6.0	8.6	6.7	4.6	4.8	5.3	4.6	4.6	2.4	1.6	0.5	0.7	0.5	0.4	0.4	0.5	2.8	3	8.6
8	0.6	0.5	0.6	0.5	0.5	0.5	1.1	1.1	2.2	1.7	1.7	1.7	4.6	8.6	12.1	6.4	3.7	1.6	1.1	1.1	0.9	1.1	1.1	1.1	2.3	3	12.1
9	2.4	3.0	1.5	2.6	3.1	3.0	4.2	1.5	4.2	0.4	0.2	2.0	2.7	5.4	15.7	16.3	4.0	2.3	3.3	5.3	3.5	3.5	2.3	1.6	3.9	,	16.3
10	1.1	8.0	0.6	0.4	0.4	0.5	0.6	0.9	1.0	4.9	7.4	7.7	11.0	16.8	12.9	11.2	8.3	4.3	5.2	7.0	4.6	4.7	5.0	7.0	5.2		16.8
11	7.0	6.7	6.4	5.8	4.7	4.3	7.6	3.8	12.0	15.5	19.9	16.5	10.6	7.5	9.3	10.1	6.9	3.5	2.9	2.6	2.0	2.3	2.1	1.6	7.2	2	19.9
12	1.2	1.1	8.0	0.7	8.0	8.0	0.6	1.1	3.0	3.7	5.6	8.0	8.4	7.7	9.8	10.3	6.9	6.9	5.6	4.7	2.8	1.6	2.6	7.0	4.2		10.3
13	4.0	2.8	3.0	2.2	3.2	3.1	3.5	3.9	4.8	7.3	10.2	10.7	7.6	7.4	6.9	7.1	10.9	10.7	3.9	2.4	1.7	1.4	1.3	1.1	5.0		10.9
14	1.1	1.0	1.0	1.0	0.9	1.1	0.9	1.2	2.0	3.9	7.1	11.1	10.4	9.4	10.0	6.1	6.5	3.6	1.7	1.6	1.6	1.5	1.4	1.1	3.6		11.1
15	1.0	8.0	0.8	0.5	0.4	1.0	3.0	5.1	5.8	5.1	7.6	7.1	6.8	5.3	6.5	7.8	3.3	1.9	1.7	1.1	0.6	0.4	0.7	0.2	3.1		7.8
16	0.6	0.2	0.6	0.2	0.1	0.6	1.8	4.3	4.5	4.9	2.9	3.7	3.2	3.2	6.0	3.3	3.5	1.5	1.9	0.8	0.7	1.3	0.6	0.6	2.1		6.0
17	0.5	0.5	0.6	0.3	0.2	0.6	3.9	4.2	9.2	5.5	5.1	4.5	4.9	4.6	3.1	4.1	3.5	1.6	4.7	20.3	27.4	24.6	26.3	22.4	7.6		27.4
18 19	20.0	15.5	16.1	3.5	0.9	0.7	2.2	4.2	2.7	3.0	3.3	3.3	3.0	3.4	3.0	2.8	2.7	0.9	1.2	3.3	0.9	0.8	1.0	0.7	4.1		20.0
20	0.4 1.9	0.6 1.4	0.9 0.2	3.2 0.3	1.1 0.1	1.5 0.2	0.8 0.2	1.5 0.1	2.0 0.2	1.2 0.5	1.1 1.0	0.9 1.9	1.1 4.1	1.0 2.5	1.6 0.9	1.0 2.0	1.0 0.5	0.8 1.4	0.4 2.5	0.5 0.7	0.3	0.5 0.7	0.5 0.8	0.7 0.6	1.0		3.2 4.1
21	0.2	0.2	0.4	0.2	0.3	2.9	10.7	4.5	9.2	5.3	18.5	23.1	14.7	16.7	17.8	3.4	2.1	1.7	2.7	1.9	4.2	1.6	1.7	2.3	6.1		23.1
22	1.0	1.0	2.5	3.0	2.9	4.0	6.3	1.4	0.9	1.8	3.3	3.3	2.7	2.6	3.1	2.1	2.1 P	1.7 P	2.7 P	P.	4.2 P	2.0	2.0	2.0	2.5		6.3
23	1.5	1.0	0.7	0.8	0.6	0.6	0.6	0.5	0.9	1.2	1.8	2.5	2.3	4.1	4.5	3.8	4.5	4.0	2.5	1.5	1.7	1.3	1.0	1.4	1.9		4.5
24	1.8	1.3	0.7	0.9	1.0	0.6	0.6	0.7	1.5	1.8	2.0	1.8	1.7	1.9	2.2	1.8	1.5	1.6	1.8	2.0	2.5	2.5	1.7	1.6	1.6		2.5
25	1.5	1.2	1.0	1.0	1.0	1.1	0.9	0.8	1.0	1.2	1.8	2.2	3.2	2.9	3.3	2.5	2.1	1.8	2.2	2.4	2.2	2.1	3.0	3.4	1.9		3.4
26	2.7	2.0	1.3	1.1	1.4	1.3	1.0	1.6	1.5	2.3	5.2	4.0	1.6	2.2	3.9	2.7	2.4	6.0	6.4	5.5	7.1	8.6	10.4	10.6	3.9	, •	10.6
27	8.8	7.1	7.7	12.8	10.9	9.1	7.4	7.2	4.3	2.4	1.8	1.5	1.2	1.4	1.0	0.8	1.1	0.8	1.9	2.3	2.1	2.0	1.7	1.5	4.1		12.8
28	1.1	0.9	8.0	0.8	0.7	0.7	0.8	0.8	8.0	1.0	1.3	1.3	1.4	3.4	3.5	1.9	1.8	2.6	3.2	1.1	2.4	2.0	1.6	1.9	1.6	, "	3.5
29	1.9	2.0	1.7	1.7	1.7	1.7	1.6	1.6	1.7	3.1	3.8	2.4	4.2	8.1	7.7	6.6	3.5	1.6	1.8	1.8	1.6	1.3	1.5	1.7	2.8	3	8.1
30	1.1	1.0	1.1	0.9	0.9	1.0	1.0	1.3	1.2	2.1	5.2	8.1	8.8	10.6	9.7	7.1	5.0	2.0	1.6	1.2	1.3	1.3	1.3	0.9	3.1		10.6
31	0.8	8.0	8.0	0.7	0.7	0.7	0.8	1.2	1.0	2.0	2.4	3.2	8.9	9.4	10.5	6.8	4.7	3.3	3.3	1.7	1.8	2.8	1.3	0.4	2.9	. •	10.5
	No.	_	_	_	_	_	_	_	_	_	_	_	_			_						_	_	_			
NO.	- 31				31	31	31		_ 31		3 1	31	31	30	30	31	30	30	30	30	30	31	31	31	73	7	99%
MEAN	B	2.0	1.9	1.7	1.5	1.6	2.3	2.4	3.5	3.9	5.4	5.8	5.7	6.2	6.8	5.6	4.2	3.1	2.7	2.9	2.9	2.7	2.7	2.7			
MAX	20.0	15.5	16.1	12.8	10.9	9.1	10.7	7.2	12.0	15.5	19.9	23.1	14.7	16.8	17.8	16.3	10.9	10.7	6.4	20.3	27.4	24.6	26.3	22.4			

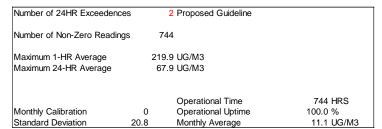




Berm $PM_{2.5}$ (µg/m³) – December 2020

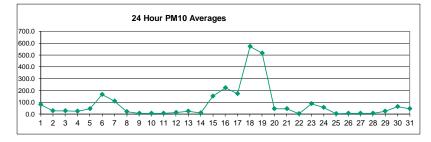
	HOUR																										
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		MEAN	MAX
	1.2	1.2	1.6	0.7	0.4	0.4	0.7	1.8	5.3	5.1	12.1	31.9	36.2	28.0	22.2	10.6	20.8	17.5	10.9	4.8	3.1	2.7	3.3	2.4		9.4	36.2
2	4.4	2.4	2.7	2.1	1.4	1.0	1.5	2.0	4.7	4.3	8.5	9.4	5.9	7.8	9.2	5.4	2.5	2.2	2.1	1.6	9.7	2.0	2.0	1.3	_	4.0	9.7
3	1.1	5.6	2.0	1.7	2.1	3.5	2.4	4.1	7.8	4.3	5.1	6.3	5.4	7.4	6.0	4.7	3.2	2.8	2.4	2.4	3.3	4.9	14.3	3.2	_	4.4	14.3
4	4.2	1.4	1.8	2.9	4.0	1.2	1.8	14.9	4.4	4.8	2.7	4.4	7.2	6.5	4.3	4.4	3.5	1.9	2.8	4.1	3.0	2.7	3.7	4.8		4.1	14.9
5	9.0	3.8	7.9	8.8	9.6	9.5	12.3	8.9	8.3	8.2	3.1	4.0	3.6	9.8	4.1	5.4	4.2	4.4	3.4	2.9	4.7	6.2	5.8	11.1		6.6	12.3
6	4.2	2.6	2.5	2.2	1.8	1.1	1.1	1.4	1.4	1.9	26.7	15.1	12.8	13.3	10.5	15.7	50.4	31.2	58.4	34.7	62.8	64.6	21.6	11.7		18.7	64.6
7	43.8	54.9	21.8	5.6	2.4	2.5	4.3	6.7	12.6	34.8	30.5	14.0	11.6	19.8	13.9	9.7	6.3	3.2	1.9	4.4	1.4	2.0	2.5	1.4		13.0	54.9
- 8	2.0	3.3	2.4	3.0	8.0	0.7	1.7	1.0	8.0	1.4	2.1	5.1	6.1	3.3	6.1	12.1	8.4	2.6	8.0	1.0	0.9	0.9	1.8	1.2		2.9	12.1
9	2.3	1.8	0.7	1.9	1.6	3.2	2.2	0.9	0.2	3.0	5.2	2.3	4.9	10.2	18.4	14.7	6.6	1.3	2.7	2.7	3.4	3.1	1.6	2.3		4.0	18.4
10	1.2	8.0	8.0	0.5	0.5	0.7	0.7	1.5	1.2	5.2	5.2	4.2	6.1	10.0	7.6	7.4	6.5	3.1	2.7	7.8	7.0	6.6	11.9	9.1		4.5	11.9
11	8.1	7.0	4.9	6.0	4.9	3.2	2.4	4.1	8.1	9.3	7.3	9.2	5.5	2.5	2.5	2.6	2.1	1.8	2.1	1.9	2.4	2.0	1.8	1.8	·	4.3	9.3
12	1.6	1.4	1.2	1.8	9.9	0.7	0.7	0.9	1.9	5.0	4.5	9.5	8.0	7.9	6.9	3.0	3.6	6.9	7.7	25.9	22.2	16.3	10.9	20.6		7.5	25.9
13	6.2	8.3	12.2	5.4	3.5	5.2	4.1	4.9	4.7	4.8	5.8	8.3	8.5	6.4	7.5	6.2	5.0	5.2	10.5	10.5	14.3	12.7	13.6	6.1		7.5	14.3
14	4.3	3.3	3.4	3.2	1.5	2.0	1.2	1.0	1.3	2.0	3.6	6.6	5.4	4.4	4.1	2.3	2.9	2.2	1.6	1.3	1.3	1.5	1.5	1.4		2.6	6.6
15	3.9	2.7	2.9	2.3	2.9	4.3	5.4	8.7	54.7	18.0	26.0	24.5	17.2	18.8	18.1	25.3	26.2	20.9	11.7	20.2	18.8	9.2	35.0	27.9		16.9	54.7
16	19.0	19.5	10.3	16.1	12.6	6.5	5.5	13.8	26.3	47.7	65.8	70.6	52.6	25.7	20.4	35.8	41.1	32.9	12.8	19.7	34.4	8.1	7.4	2.3		25.3	70.6
17	6.1	12.9	11.6	20.3	23.0	12.1	10.8	17.9	25.3	50.6	49.8	55.5	26.4	54.9	44.6	41.6	31.7	20.1	6.9	13.0	15.1	12.9	12.0	11.6	_	24.4	55.5
18	12.3	13.4	10.8	9.4	49.1	19.4	15.1	15.6	79.6	73.0	43.7	78.3	77.0	136.8	219.9	84.7	73.4	51.6	60.2	135.6	61.0	77.8	136.1	95.5	,	67.9	219.9
19	42.8	22.1	139.3	35.5	20.5	24.6	22.9	64.7	197.5	94.2	79.3	122.8	87.6	47.7	80.9	75.7	43.5	38.1	37.8	30.7	45.5	17.2	8.7	8.8	•	57.9	197.5
20 21	10.8	21.2	3.9 27.4	5.3	2.3	2.6	1.8	1.9	2.0	4.4	9.6	12.7	9.3	18.6	16.8 7.1	8.5	2.8	3.6	11.4	2.8	2.4	2.0	4.4	1.6	•	6.8 7.8	21.2
22	6.3	15.5		23.1	9.5	2.6	0.9	1.6	2.6	1.9 3.9	10.2	16.6	9.3	10.7		6.5 3.0	17.7	8.5	3.5	0.7	0.9	0.9	1.3	0.7	•		-
23	0.6 3.4	0.9 2.8	1.2 4.9	1.5 3.1	0.5 2.5	0.5 10.4	0.5	0.9	1.7 12.1		4.2 3.3	4.1 18.9	3.6	6.2 17.5	1.6 7.0	15.3	1.3	0.5 16.5	0.5 6.4	1.7	2.6 8.6	1.9 6.2	2.6	3.0	•	2.0 8.8	6.2
24	35.6	47.2	1.6	17.9	12.8	2.1	5.4 0.6	4.7 2.0	2.5	4.4 1.1	1.3	1.3	13.3 1.4	2.2	1.8	1.8	14.1 2.5	2.1	1.7	8.1 1.5	1.6	1.6	9.8 1.5	12.4 2.1	•	6.2	47.2
25	1.6	1.6	1.2	1.1	1.2	1.6	1.8	1.1	1.4	1.4	1.8	1.4	2.0	1.7	1.7	1.8	1.2	1.2	2.2	1.7	1.7	1.5	2.2	3.2	•	1.6	3.2
26	3.1	3.2	2.3	2.1	4.1	4.7	1.8	1.6	1.1	2.8	2.7	2.2	1.2	8.1	1.9	2.4	8.5	4.7	3.7	4.7	5.5	6.1	7.0	6.5	•	3.8	8.5
27	4.9	5.7	7.2	7.9	8.5	7.8	8.0	5.6	3.3	5.4	1.3	1.1	1.1	1.2	1.6	1.0	0.8	0.9	1.7	2.1	2.4	2.2	1.5	1.3	•	3.5	8.5
28	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.9	1.0	1.9	2.5	1.7	1.6	5.1	3.1	2.1	2.5	2.5	1.9	1.6	1.6	1.6	•	1.6	5.1
29	1.5	1.2	1.3	1.3	1.2	1.1	0.9	1.0	0.9	1.6	2.5	2.6	2.6	4.1	3.7	2.0	3.9	4.1	7.0	4.9	4.6	5.4	14.4	5.0	•	3.3	14.4
30	3.5	5.2	5.2	6.8	3.9	4.5	1.6	2.3	5.0	9.3	8.0	8.2	11.7	9.9	7.1	7.2	11.7	11.3	8.8	6.7	13.8	14.1	6.5	2.6	•	7.3	14.1
31	1.7	1.2	1.0	2.7	3.0	2.2	0.9	1.6	1.9	2.6	3.7	3.7	7.5	6.5	5.2	7.3	8.0	6.9	13.7	17.8	13.0	6.3	13.3	18.9	•	6.3	18.9
NO. MEAN MAX	8.1	31 8.9 54.9	31	6.5	6.5	31 4.6 24.6	3.9	31 6.4 64.7	15.5	13.5	14.1	18.0	14.6	16.4	18.2	13.8	13.5	31 10.1 51.6	31 9.8 60.2	31 12.3 135.6	31	31 9.8 77.8	31 11.7 136.1	31 9.1 95.5		744	100%





Berm PM_{10} (µg/m³) – December 2020

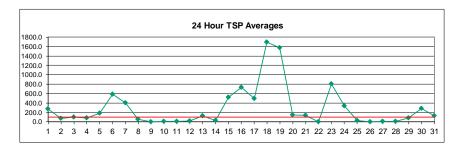
	HOUR	ł																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	1/	IEAN	MAX
1	5.9	8.1	10.2	2.3	0.6	0.5	1.5	10.8	40.7	43.7	86.8	269.9	290.6	265.8	189.1	100.3	189.8	169.9	111.7	38.8	24.5	21.4	23.6	13.5		80.0	290.6
2	35.6	11.2	18.0	27.7	6.2	3.8	7.7	10.8	39.0	35.6	66.4	83.7	42.0	63.2	63.3	35.4	13.5	8.3	5.3	3.5	29.8	5.6	5.9	3.4	•	26.0	83.7
3	1.5	18.5	7.6	5.4	14.0	43.3	9.8	18.4	52.6	27.8	38.3	44.7	37.3	52.7	39.5	32.1	12.2	8.4	6.4	7.8	12.9	37.7	114.6	18.1	_	27.6	114.6
4	31.8	3.3	6.0	18.5	29.0	2.4	9.5	120.3	30.2	26.9	11.7	21.1	57.5	43.1	32.8	32.6	19.7	7.3	9.4	24.2	15.9	11.2	16.7	22.3		25.1	120.3
5	65.9	23.1	60.3	74.7	75.3	78.2	101.7	70.4	61.2	50.6	15.5	18.5	22.2	74.1	21.0	28.5	22.1	23.4	15.5	9.2	24.4	37.4	37.9	89.5		45.9	101.7
6	30.2	13.1	12.9	6.7	5.1	1.7	2.6	3.3	2.6	7.0	258.5	149.6	91.8	95.0	79.0	151.3	483.4	301.0	531.7	313.1	557.1	593.9	182.7	98.3		165.5	593.9
7	428.9	531.4	203.9	44.0	13.6	13.7	31.5	53.9	91.9	302.7	249.0	98.4	79.2	163.2	110.1	53.0	43.2	14.1	7.9	33.7	5.3	8.1	10.2	4.8		108.2	531.4
8	8.3	16.2	16.4	11.6	1.6	1.4	2.7	1.2	1.0	1.8	6.8	40.0	43.1	21.9	49.3	118.5	83.8	20.0	1.1	1.2	1.0	0.9	2.3	1.4	-	18.9	118.5
9	2.7	2.3	8.0	2.5	1.9	3.3	2.2	1.0	0.2	4.4	7.7	3.4	7.3	12.6	23.8	18.9	8.8	1.9	3.6	3.3	4.2	3.7	1.8	3.2		5.2	23.8
10	1.6	0.9	1.0	0.5	0.6	0.9	8.0	2.0	1.5	5.9	5.9	5.3	15.1	13.9	14.6	10.9	8.7	3.5	3.3	11.7	10.4	9.7	17.1	13.0		6.6	17.1
11	11.7	10.0	6.5	8.7	6.5	3.9	2.7	5.7	12.0	14.0	10.7	13.4	8.0	7.4	12.7	6.7	2.8	2.2	2.4	2.0	2.9	2.2	1.9	2.2		6.6	14.0
12	2.0	1.7	1.5	2.5	14.5	0.7	8.0	1.0	2.5	7.4	6.5	14.2	11.9	11.7	60.3	4.2	5.0	10.0	11.3	38.3	33.0	24.1	15.8	30.2		13.0	60.3
13	8.7	11.9	17.9	7.6	4.5	6.7	4.9	5.9	5.2	5.3	6.7	12.1	11.7	7.1	8.6	7.1	5.3	5.5	14.5	14.8	48.8	165.8	134.3	50.1	-	23.8	165.8
14	31.5	18.9	18.3	17.7	5.4	8.0	3.1	1.1	1.5	2.7	8.9	15.0	16.2	13.5	11.0	4.3	4.2	2.6	1.8	1.4	1.4	1.8	1.9	3.9	-	8.2	31.5
15 16	28.3	14.9	20.0	14.5	19.3	31.1	46.6	82.3	565.4	160.1	222.0	209.5	142.1	143.2	150.5	218.3	232.8	198.1	112.6	199.5	171.2	83.2	323.8	262.4		152.2	565.4
17	162.3 46.8	168.3 105.7	79.6 97.6	136.3 166.7	126.6 176.7	55.7 64.3	42.0 80.4	120.9 140.3	235.2 218.4	423.4 389.8	630.9 376.9	654.0 427.7	473.7 195.5	209.0 409.6	163.6 369.4	281.0 328.4	340.6 276.5	276.9 157.4	114.5 29.0	157.3 14.1	289.6 16.7	58.7	64.5 12.9	17.6 13.5	_	220.1 172.0	654.0 427.7
18	16.1	19.5	14.8	14.7	394.6	187.0	136.3	113.3	598.6	629.8	322.3	637.0	633.4	1218.0	1879.7	757.2	681.6	425.4	527.9	1159.2	533.2	14.0 720.9	1236.3	891.8	_	572.9	1879.7
19	412.3	219.6	1373.0	344.1	199.6	249.6	241.1	627.9	1828.9	838.4	660.1	1073.6	695.7	405.2	627.7	602.9	383.3	298.7	286.8	279.9	409.5	149.7	80.8	62.9	_	514.6	1828.9
20	73.2	49.7	5.9	7.9	3.4	3.9	2.7	2.8	2.9	6.6	97.7	117.1	104.6	158.4	174.0	90.5	16.3	30.0	91.9	19.0	10.4	10.2	17.1	10.7	* `	46.1	174.0
21	55.8	127.2	255.5	200.3	103.4	16.9	4.2	7.0	12.3	9.6	26.4	30.0	33.3	50.4	38.7	37.7	50.0	12.5	4.9	0.8	1.1	1.0	1.3	0.7	•	45.0	255.5
22	0.6	1.0	1.3	1.7	0.6	0.7	0.6	1.1	2.2	5.7	5.9	5.7	4.7	9.1	2.2	4.4	1.4	0.5	0.6	1.9	2.9	2.0	3.1	3.8	•	2.6	9.1
23	4.6	4.1	7.2	4.6	3.7	63.7	69.0	52.9	87.4	33.3	31.6	236.3	164.0	248.8	72.3	176.9	145.3	208.3	61.6	67.4	89.1	53.2	102.1	129.1	•	88.2	248.8
24	407.9	524.5	9.0	178.1	133.2	11.6	1.0	11.8	6.9	1.4	2.1	2.7	4.3	12.6	5.3	8.2	15.0	5.6	3.2	2.8	1.8	1.7	1.7	3.8	•	56.5	524.5
25	3.2	4.4	2.9	2.9	2.8	4.2	5.4	3.3	4.1	3.4	5.1	2.2	2.7	2.3	2.8	2.9	1.6	1.5	8.4	2.6	2.0	1.7	4.8	4.0	•	3.4	8.4
26	4.0	4.3	3.1	2.8	5.9	6.8	2.3	2.0	1.4	4.0	3.7	3.0	1.5	11.7	2.2	2.8	11.7	5.4	4.6	5.4	5.9	7.0	7.9	7.3	•	4.9	11.7
27	5.3	6.2	7.7	8.4	9.4	9.3	10.3	6.4	3.5	6.3	1.4	1.2	2.5	4.0	9.0	3.1	1.8	1.7	2.4	4.1	4.6	2.7	1.7	1.4	_	4.8	10.3
28	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.8	1.0	1.3	8.5	15.3	7.1	6.0	22.2	12.4	3.3	3.6	7.3	2.2	1.7	1.6	1.6	_	4.2	22.2
29	1.5	1.3	1.3	1.3	1.2	1.1	0.9	1.1	1.0	1.8	3.9	6.8	8.6	14.3	22.0	7.3	26.8	31.6	64.8	42.0	35.5	52.2	152.1	45.1		21.9	152.1
30	25.0	43.2	39.2	60.8	33.2	34.9	8.9	13.9	42.0	86.0	70.8	80.7	103.3	89.7	67.2	63.6	102.3	90.0	73.7	59.2	135.0	132.6	57.8	16.9		63.7	135.0
31	6.5	3.8	2.3	14.0	23.1	15.3	2.6	7.3	9.3	11.9	31.5	33.9	77.9	51.1	39.8	51.9	47.8	44.5	89.6	130.8	100.3	41.4	99.7	126.3	•	44.3	130.8
		,	7 04	,	- 24	7 21	7 21	7 21	F 24	7 24			7 24	,	F 21	7 24	F 31	7 04	7 04	F 1	•			,			
NO.	31	31	_ 31	3 1	31	3 1	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		744	100%
MEAN		63.5	74.3	44.8	45.7	29.9	27.0	48.4	127.8	101.6	105.6	139.3	109.6	125.5	140.2	105.3	104.8	76.4	71.2	85.7	83.3	72.8	88.3	63.0			
MAX	428.9	531.4	1373.0	344.1	394.6	249.6	241.1	627.9	1828.9	838.4	660.1	1073.6	695.7	1218.0	1879.7	757.2	681.6	425.4	531.7	1159.2	557.1	720.9	1236.3	891.8			



Number of Non-Zero Read	ings	744	
Maximum 1-HR Average	18	79.7 UG/M3	
Maximum 24-HR Average	5	72.9 UG/M3	
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	188.3	Monthly Average	83.2 UG/M3

Berm TSP (µg/m³) – December 2020

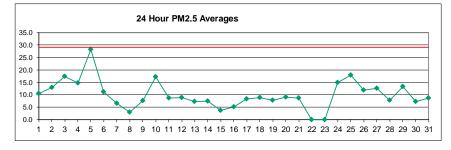
	HOUR																									
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	24.7	33.2	37.1	5.4	0.4	0.3	1.2	23.1	116.5	126.2	232.2	807.3	879.2	956.0	702.2	361.7	708.3	619.7	471.0	141.7	92.6	71.9	83.9	41.9	272.4	956.0
2	114.9	38.0	96.9	94.9	27.0	14.5	30.7	34.2	126.4	115.2	206.5	231.5	115.2	193.0	138.6	79.0	42.4	43.8	9.9	6.6	53.4	9.4	23.8	4.7	77.1	231.5
3	3.7	55.3	35.6	15.3	67.6	105.6	46.7	78.7	206.8	98.4	155.0	144.9	126.0	198.5	134.3	80.3	31.3	20.7	11.1	27.0	41.3	159.1	468.2	71.8	99.3	468.2
4	158.1	6.1	31.1	80.9	122.6	4.7	32.3	461.3	88.6	80.1	42.5	54.2	174.7	122.5	90.3	89.8	61.7	19.2	23.7	85.3	49.0	54.6	50.0	70.5	85.6	461.3
5	236.9	84.2	243.7	300.5	305.7	319.0	474.2	336.4	233.5	184.5	53.4	79.8	67.7	283.1	62.7	90.3	72.0	74.0	55.3	41.7	111.6	143.6	156.3	386.1	183.2	474.2
6	115.1	54.6	48.2	17.6	8.1	2.8	8.9	6.2	4.2	20.1	899.5	581.9	317.2	259.8	260.4	544.0	1766.0	1065.2	1912.1	1106.3	1795.6	2087.5	731.8	359.4	582.2	2087.5
7		1929.2	884.9	213.3	42.2	56.8	140.5	214.3	322.7	1116.1	877.0	336.5	252.7	593.0	413.3	193.3	136.6	43.5	29.7	149.3	16.7	29.6	42.1	25.3	400.2	1929.2
8	35.2	70.5	62.2	39.7	2.9	4.5	4.2	1.0	0.7	1.6	21.4	124.9	143.7	58.3	130.3	325.0	223.0	59.7	1.5	0.9	0.7	0.6	2.1	1.0	54.8	325.0
9	2.0	1.7	0.5	1.9	1.4	2.1	1.5	0.6	0.1	4.7	8.6	3.7	8.0	10.1	17.5	15.2	6.9	1.7	3.0	2.5	3.3	2.7	1.3	3.0	4.3	17.5
10	1.2	0.6	0.7	0.3	0.5	0.7	0.6	1.9	1.2	4.3	5.9	21.7	37.8	11.8	22.1	10.8	6.9	2.5	2.5	12.8	10.1	9.4	14.8	12.0	8.0	37.8
11	9.6	8.1	4.7	8.8	5.7	2.8	1.9	5.1	12.5	15.2	9.3	11.8	7.9	27.6	47.0	16.9	2.2	1.6	1.6	1.4	2.4	1.6	1.3	1.8	8.7	47.0
12	1.7	1.4	1.3	2.2	16.5	0.5	0.6	0.7	2.4	8.3	6.9	15.1	13.2	13.1	230.4	3.4	3.8	9.0	9.5	36.2	35.4	24.3	15.4	29.1	20.0	230.4
13 14	7.1	10.2	17.0	6.2	3.3	5.5	3.5	4.4	3.7	3.8	4.5	11.3	9.6	4.8	6.2	4.9	3.4	3.6	13.5	14.7	241.7	1407.8	1055.2 2.5	294.0	130.8 28.9	1407.8
15	157.1	67.0	84.6	96.6	51.3	27.8	16.4	0.8	1.2	2.4	13.3	32.8	35.4	37.5 422.8	35.1	7.4	6.2 839.3	3.1	1.2	1.1	0.9	1.7	2.5 1098.8	9.3	525.9	157.1 1870.4
16	121.6 569.3	46.8 559.4	82.4 281.7	57.3 537.6	64.2 491.6	117.7 192.4	163.1 185.2	291.5 441.2	1870.4 738.7	554.2 1350.4	888.1 2038.1	742.5 2162.3	442.3 1596.8	687.0	465.8 479.0	719.3 879.1	1186.3	663.1 1004.1	422.7 355.5	741.9 466.7	617.5 954.6	274.2 200.7	183.5	913.1 57.8	733.3	2162.3
.0 17	138.1	321.3	278.2	383.3	423.4	74.8	221.5	422.6		1180.4				1213.9	1182.9	1040.3	782.9	434.3	75.2	9.7	11.6	9.5	8.7	9.5	494.5	1291.9
18	13.7	16.8	11.1	19.4	1156.4	652.4	486.5	298.5		1973.5		1866.2		3261.7	3952.6	2635.4	2531.1	1566.2	1762.7	3250.1	1852.7	2500.2	3453.5	2672.2	1693.8	3952.6
19	1619.6	940.5	3260.9	1333.0	878.2	926.4	1003.8	1875.7		2735.1	2132.1		2162.6		1931.1	1878.6	1352.9	926.6	906.1	1091.4	1400.0	450.5	282.9	257.3	1577.6	3892.4
20	548.4	240.3	4.8	6.9	3.1	3.3	2.4	2.0	2.9	7.2	500.9	362.9	330.9	359.4	515.1	227.1	30.6	79.4	197.7	51.6	8.3	13.7	12.6	36.1	147.8	548.4
21	175.4	338.4	884.6	550.3	301.2	24.6	7.3	13.0	25.2	20.2	39.5	42.7	48.9	78.9	62.9	332.5	268.8	12.0	5.0	0.5	0.7	0.7	0.9	0.5	134.8	884.6
22	0.4	0.7	0.9	1.1	0.5	0.4	0.4	0.9	1.7	5.8	5.4	4.7	3.6	8.2	1.8	4.1	1.0	0.3	0.4	1.3	1.9	1.3	2.4	3.2	2.2	8.2
23	4.2	4.0	8.0	4.7	3.7	687.7	750.4	711.1	893.6	300.5	293.2	1746.9	1770.0	2297.4	651.0	1907.6	1137.1	2255.7	585.0	442.5	714.1	340.6	900.5	938.5	806.2	2297.4
24	2254.8	2516.8	111.9	1416.0	1240.4	185.8	3.6	54.7	20.1	1.1	9.6	13.6	14.1	51.4	12.4	26.3	37.5	13.1	7.0	6.5	1.2	1.3	1.4	27.4	334.5	2516.8
25	25.6	31.5	28.0	24.2	36.1	56.0	47.1	33.6	45.5	40.0	62.6	6.0	3.1	2.1	2.4	5.6	1.2	1.3	49.0	6.1	1.7	1.2	42.9	3.2	23.1	62.6
26	3.4	3.8	2.6	2.2	5.8	6.7	1.9	1.4	0.9	3.9	3.3	2.5	1.1	13.0	1.5	2.0	11.8	3.8	3.5	4.0	4.1	5.3	5.9	5.2	4.2	13.0
27	3.5	4.1	5.1	5.5	6.2	6.6	7.7	4.3	2.3	4.3	0.9	8.0	3.4	13.3	32.1	8.4	2.9	3.0	1.6	3.1	4.0	2.2	1.2	1.0	5.3	32.1
28	0.6	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.6	4.1	30.5	66.1	24.8	17.1	28.4	37.5	3.4	2.6	24.5	2.6	1.1	1.0	1.0	10.4	66.1
29	1.0	8.0	8.0	8.0	8.0	0.7	0.6	0.7	0.7	1.3	5.0	12.5	30.4	38.4	73.7	24.2	86.4	111.7	231.5	155.0	139.9	219.6	652.2	270.3	85.8	652.2
30	124.5	290.3	252.2	443.1	192.8	174.8	60.3	45.2	136.8	319.1	280.4	317.7	382.3	291.9	226.1	236.6	405.4	352.9	319.6	244.3	682.3	690.7	261.8	64.4	283.2	690.7
31	17.7	11.5	4.8	56.2	101.8	57.9	7.7	19.1	28.5	27.9	111.6	117.3	245.4	171.0	125.4	159.6	128.5	113.9	231.3	360.2	300.8	131.1	291.6	286.3	129.5	360.2
		248.0		31 184.7 1416.0	179.4	119.9	119.8	173.7	362.4	332.5	355.3	465.0	380.8	422.3	387.8	31 385.1 2635.4	384.3	306.8	248.4	31 273.8 3250.1	31 295.3 1852.7	31 285.4 2500.2	31 317.8 3453.5	31 221.2 2672.2	744	100%

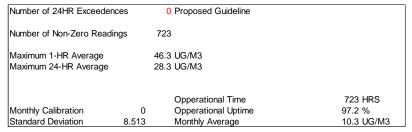


Number of 24HR Exceedences		16 Proposed Guideline	
Number of Non-Zero Readings		744	
Maximum 1-HR Average	39	52.6 UG/M3	
Maximum 24-HR Average	169	93.8 UG/M3	
IZS Calibration Time		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	580.8	Monthly Average	288.6 UG/M3

Entrance $PM_{2.5}$ (µg/m³) – December 2020

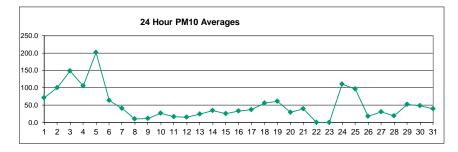
	HOUR																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	ME	AN	MAX
1	0.9	0.8	0.5	0.5	1.0	3.3	5.1	8.7	9.7	7.8	6.5	9.9	10.2	19.4	29.2	16.9	21.6	14.1	7.5	16.5	15.1	15.5	16.6	13.7	10	.5	29.2
2	6.9	5.9	8.7	10.7	13.4	11.2	13.2	12.1	24.1	18.4	17.0	21.3	20.2	24.1	26.6	21.9	10.8	7.6	7.8	5.4	7.2	5.9	6.2	5.9	13	.0	26.6
3	4.9	7.2	6.3	3.1	8.4	34.3	24.1	21.8	28.7	24.1	27.8	34.7	37.3	27.0	27.9	17.9	9.6	5.4	6.2	9.8	11.5	23.4	8.0	5.9	17	.3	37.3
4	5.3	12.9	10.7	9.5	4.9	2.5	3.4	8.1	12.3	12.7	14.6	16.3	12.6	12.1	13.7	26.7	18.6	10.0	18.2	24.2	21.3	21.6	25.1	35.6	7 14	.7	35.6
5	31.4	23.9	25.7	27.6	26.8	30.9	39.3	31.9	40.2	30.9	19.6	22.2	23.1	33.0	10.5	28.5	15.1	20.5	32.9	46.3	40.4	22.4	22.7	32.8	28	.3	46.3
6	19.8	22.0	30.2	15.6	15.5	13.7	11.3	17.0	9.0	15.7	29.4	15.3	6.5	4.0	2.9	2.8	7.2	2.6	6.9	2.1	5.3	3.6	5.2	2.2	11	.1	30.2
7	6.7	22.0	18.4	3.0	1.1	1.4	2.8	6.3	6.9	13.1	15.9	12.2	5.7	9.7	6.7	4.6	6.3	3.5	3.3	3.9	8.0	0.7	1.2	1.7	6	6	22.0
8	1.8	3.0	3.4	2.6	0.9	0.7	8.0	2.7	2.2	3.1	4.1	2.6	2.6	3.8	3.5	2.1	4.9	3.8	1.6	3.1	8.1	2.0	4.1	5.2	_ 3	.0	8.1
9	3.6	1.8	1.6	2.5	2.5	3.7	3.7	0.5	0.7	3.9	7.9	4.1	8.5	11.3	16.4	16.5	19.3	6.6	12.2	10.9	12.2	18.4	7.4	6.4	7.	6	19.3
10	10.2	7.8	10.0	25.5	12.4	24.0	13.0	7.6	14.9	31.1	12.7	14.2	42.7	36.0	31.5	36.0	13.5	7.7	6.3	4.0	8.4	9.5	20.6	12.9	17	.2	42.7
11	9.3	9.9	6.4	7.9	6.1	6.3	3.9	8.7	10.3	13.0	12.6	10.6	10.3	8.0	9.9	9.7	7.6	8.4	6.7	7.2	9.6	7.6	9.7	8.8	8	7	13.0
12	11.3	12.4	6.1	4.9	5.4	6.9	11.7	8.7	6.6	7.0	11.9	8.5	24.2	11.0	6.2	4.6	5.6	7.7	7.3	10.0	6.4	7.6	13.7	7.5	8.	9	24.2
13	5.9	4.3	8.0	3.1	3.9	6.4	4.7	5.0	5.7	7.6	8.2	8.5	9.6	7.5	8.7	7.6	6.4	7.3	8.0	10.1	8.4	13.6	8.7	5.3	7.	2	13.6
14	4.5	3.8	3.1	3.7	13.6	11.6	11.2	9.8	10.8	9.3	6.8	11.9	9.6	10.2	15.1	7.2	8.4	3.4	3.5	6.6	6.1	3.3	2.6	1.8	7.		15.1
15	2.4	1.3	1.3	1.0	1.7	4.3	1.7	5.7	9.2	7.6	9.0	6.3	5.0	4.4	5.3	4.6	3.8	2.9	3.3	1.4	1.1	1.6	1.3	1.4	3.	7	9.2
16	0.8	0.7	0.9	1.3	1.1	8.0	1.4	2.8	4.0	4.7	7.4	7.3	7.8	3.9	7.2	6.1	5.4	4.0	2.3	1.7	1.7	1.0	11.5	35.6	5.		35.6
17	20.0	7.9	2.5	8.0	0.4	0.4	1.6	5.7	10.3	13.0	10.4	9.8	8.3	8.9	8.2	7.6	4.3	5.2	7.9	14.4	14.9	13.1	12.7	11.8	8.		20.0
18	11.3	14.8	13.0	10.6	1.3	1.4	2.6	4.3	7.7	11.3	6.9	9.8	17.3	24.8	11.9	16.6	7.2	6.4	4.1	4.6	4.6	8.1	5.4	6.2	8.		24.8
19	7.1	4.3	27.5	9.0	2.0	3.6	7.2	10.8	25.1	6.5	9.1	9.9	5.3	4.7	7.6	5.7	7.4	5.2	3.3	4.7	5.8	1.3	8.4	6.9	7.		27.5
20	3.1	10.3	3.6	23.8	9.0	11.3	16.9	10.6	11.0	5.2	5.5	8.4	2.8	1.3	4.2	3.3	13.8	13.7	8.6	8.3	20.3	6.0	15.3	2.2	9.		23.8
21	0.9	1.2	2.0	2.7	7.6	6.1	7.1	19.8	16.6	18.8	28.1	23.0	24.7	20.6	6.0	2.9	7.6	3.9	4.1	1.5	0.9	1.2	1.4	1.0	8	.7	28.1
22	0.9	1.0	1.3	1.8	0.7	0.8	0.8	1.2	2.5	2.4	2.5	3.3	4.7	1.6 D	1.1	1.4	1.3	P	P	Р	Ρ	Ρ	P	P		•	-
23	Р	P	P	P	Р.	P	P	P	Р.	P	P	P	P		10.9	18.1	6.8	6.4	4.1	2.6	4.4	3.1	4.2	7.8	.		,
24	23.0	15.2	18.1	10.6	11.5	15.2	7.4	18.2	19.5	11.9	13.9	15.5	19.4	21.5	21.7	17.6	18.0	17.4	17.8	12.3	3.6	2.6	6.2	20.9	_	.0	23.0
25 26	9.9	8.3	8.0	15.3	17.3	11.3	12.3	17.4	20.0	15.7	18.7	19.0	20.9	16.4	17.1	31.7	15.2	21.9	28.8	19.6	18.5	15.4	20.6	29.7	17		31.7
20 27	28.8	39.1	30.3	29.9	34.6	14.7	16.5	17.0	3.5 9.7	4.2	3.0	3.4	2.3	2.3	2.6	2.9	3.4	4.9	4.7	6.9	7.1	8.3	8.6	7.6	· 11		39.1
28	6.1 19.1	7.6 12.8	8.7 5.8	9.9 3.3	11.8 11.2	12.1 5.3	9.7 7.8	13.3 12.4	10.0	10.6 11.1	12.6 10.6	10.3 7.4	3.4 3.9	2.5 5.3	3.4 3.3	3.1 3.2	1.8 3.4	3.0 4.3	17.8 5.2	16.3 5.0	18.7 4.8	32.6 14.1	35.7 9.1	40.0 7.1	, 12 F 7		40.0 19.1
29	8.9	8.7	8.9	6.9	12.3	14.4	9.6	12.4	7.4	9.4	18.4	21.1	31.5	11.4	7.0	10.2	9.5	19.7	21.1	15.1	12.8	14.6	14.0	12.1	F 13		31.5
30	19.5	10.6	6.2	9.3	10.1	4.2	12.6	8.1	5.1	8.8	6.6	6.7	7.8	5.8	6.0	5.2	6.0	6.3	6.2	2.7	6.6	7.1	3.3	2.0	7.		19.5
31	1.5	5.7	4.7	1.3	1.7	2.3	15.6	34.4	32.4	32.3	18.6	18.3	5.8	3.6	3.2	2.3	1.9	1.9	1.8	2.0	2.0	3.1	3.7	6.6	₽ 8		34.4
888CA.888	1.5	5.1	4.7	1.3	1.7	2.3	13.0	J4.4	32.4	52.5	10.0	10.3	5.0	5.0	5.2	2.3	1.9	1.9	1.0	2.0	2.0	5.1	5.7	0.0	0	U	34.4
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	30	30	30	30	30	30	30	72	23	97%
MEAN	9.5	9.6	9.4	8.6	8.3	8.8	9.3	11.4	12.5	12.4	12.5	12.4	13.1	11.9	10.8	11.1	8.8	7.9	9.0	9.3	9.6	9.6	10.4	11.5	,,		0.70
MAX	31.4	39.1	30.3	29.9	34.6	34.3	39.3	34.4	40.2	32.3	29.4	34.7	42.7	36.0	31.5	36.0	21.6	21.9	32.9	46.3	40.4	32.6	35.7	40.0			
massaid	· · · · ·		00.0	20.0	0	0	00.0	0 /		02.0	20	o		00.0	00	00.0	25	2	02.0	.0.0		02.0		.0.0			





Entrance PM_{10} (µg/m³) – December 2020

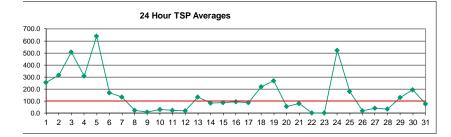
	HOUR																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		MEAN	MAX
1	3.2	2.2	0.9	0.8	3.3	14.2	26.8	55.1	71.3	59.5	42.9	61.6	73.3	149.0	224.5	119.4	157.7	106.4	51.1	95.6	75.1	99.1	112.3	104.5	'	71.2	224.5
2	60.8	49.1	78.3	88.2	98.3	87.3	87.5	85.9	175.6	126.7	123.4	168.7	160.1	201.3	212.3	169.5	84.4	55.8	51.3	34.6	60.0	42.6	46.5	41.5		99.6	212.3
3	30.8	66.4	52.6	17.9	75.6	317.5	210.1	210.0	261.7	225.8	259.3	344.0	317.2	237.0	216.4	127.2	59.9	31.6	36.2	65.8	87.9	209.8	67.2	39.7		148.7	344.0
4	33.7	89.1	78.9	68.7	37.3	11.0	18.1	58.8	103.9	109.3	120.6	147.9	89.2	85.4	90.5	198.1	128.6	72.9	117.5	154.8	160.4	158.4	181.5	218.0		105.5	218.0
5	196.7	141.8	195.0	208.1	214.2	258.0	331.4	255.4	361.2	260.2	165.0	150.6	162.0	258.9	71.7	171.2	108.3	137.3	197.9	258.3	251.2	147.7	140.2	200.3		201.8	361.2
6	112.0	117.0	168.4	84.3	89.2	73.1	57.1	91.9	42.3	90.3	232.7	97.0	35.6	18.9	12.7	11.5	39.2	12.1	44.8	10.9	29.5	17.8	27.3	9.9		63.6	232.7
7	49.3	159.4	134.9	16.8	2.3	4.1	14.6	40.8	41.4	77.1	94.4	73.9	32.3	60.5	39.8	27.4	36.8	14.7	13.7	23.4	1.4	1.5	5.0	9.0		40.6	159.4
8	7.5	16.4	22.6	15.7	2.7	1.3	1.5	3.9	3.1	5.3	11.5	7.8	11.1	17.9	19.5	9.3	22.2	19.5	2.2	4.9	12.0	2.8	6.1	7.7		9.8	22.6
9	4.6	2.1	2.1	3.4	2.9	4.0	4.2	0.7	8.0	5.8	11.8	5.8	12.7	16.7	22.6	23.5	27.4	8.6	18.1	14.6	17.6	27.5	11.0	9.5		10.8	27.5
10	15.2	11.7	14.9	38.2	18.7	36.0	19.4	11.3	22.3	46.6	18.9	29.3	64.1	53.9	47.2	54.0	20.1	11.3	9.1	5.6	12.2	13.9	29.9	17.3		25.9	64.1
11	12.7	14.5	8.5	11.8	8.1	9.2	5.1	13.0	15.3	19.5	18.7	15.7	15.5	23.0	48.9	37.8	11.3	12.5	9.9	10.7	14.3	11.3	14.5	13.2		15.6	48.9
12	16.9	18.5	9.1	7.4	8.1	10.4	17.5	13.0	9.8	10.5	17.7	12.6	36.9	43.5	18.3	15.7	9.6	11.4	10.8	14.5	9.2	11.1	20.1	10.6		15.1	43.5
13	8.3	5.9	11.7	4.2	5.2	8.6	5.8	6.0	6.8	9.6	11.0	12.0	13.8	9.4	11.2	9.5	7.8	9.5	10.2	14.1	14.6	216.1	114.0	48.3		23.9	216.1
14	38.9	28.6	15.3	15.5	70.7	50.6	51.8	43.7	64.5	38.8	27.1	52.7	46.1	48.3	72.8	28.1	29.1	8.0	8.3	15.1	20.6	15.1	10.1	5.1		33.5	72.8
15	13.2	5.3	7.0	4.2	10.7	28.1	13.6	32.9	70.8	47.0	72.9	53.7	37.1	28.1	36.0	34.4	26.6	13.4	18.9	10.4	7.5	8.1	13.5	11.2		25.2	72.9
16	3.9	3.6	5.5	7.4	6.7	4.7	10.6	15.8	22.4	31.9	52.7	61.2	53.4	23.2	48.9	43.4	46.1	31.1	14.0	6.4	9.5	6.3	68.2	212.6		32.9	212.6
17	90.2	28.3	10.0	3.0	1.0	1.5	14.9	44.8	89.1	104.0	71.8	62.3	54.5	47.1	45.7	43.3	27.2	32.1	27.9	15.9	16.3	13.4	13.2	12.1		36.2	104.0
18	12.0	21.5	17.5	12.9	8.2	10.1	19.9	32.1	64.6	83.9	45.6	67.0	142.3	207.3	93.4	133.6	58.2	52.7	29.1	35.9	37.2	61.2	43.8	41.9		55.5	207.3
19	53.9	25.6	265.5	76.1	15.2	27.6	51.8	89.6	205.5	57.0	73.0	83.5	34.7	32.6	54.6	39.5	51.2	32.3	21.9	38.8	46.9	7.1	37.6	32.6		60.6	265.5
20	20.9	17.5	5.3	35.7	13.4	16.9	25.2	15.9	16.3	14.5	43.3	42.4	9.8	5.3	16.3	16.8	71.8	57.0	40.7	37.5	98.4	20.2	58.3	7.0		29.4	98.4
21	4.3	7.2	18.7	26.9	58.7	32.4	36.2	96.5	87.7	107.2	122.4	78.6	97.8	91.3	23.9	24.8	14.7	5.6	6.0	1.9	1.0	1.4	1.5	1.1		39.5	122.4
22	1.0	1.1	1.5	2.0	0.9	0.9	1.1	1.5	3.1	3.0	3.2	4.2	6.2	2.0	1.3	1.8	1.5	Р	Р	Р	Р	Р	Р	Р		-	-
23	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	164.6	282.7	89.8	83.4	33.8	24.1	30.3	25.5	47.3	82.6		-	
24	369.1	227.7	130.7	94.8	101.5	109.0	38.0	103.9	48.0	17.9	73.5	99.0	143.9	172.6	147.8	123.6	120.9	122.9	120.4	65.5	7.7	3.3	27.3	163.3		109.7	369.1
25	42.9	51.0	41.8	97.3	95.6	61.3	60.2	92.6	104.5	81.8	106.8	105.8	119.3	90.6	87.4	193.7	88.6	129.6	218.0	136.4	84.8	65.9	104.9	44.6		96.1	218.0
26	43.3	58.7	45.4	44.8	51.8	22.1	24.8	25.5	5.1	6.1	4.0	4.5	3.2	3.6	3.5	3.5	4.0	5.8	5.5	8.0	7.7	10.2	9.8	8.4		17.1	58.7
27	6.3	7.9	9.3	10.3	13.6	15.9	13.0	19.6	13.7	12.5	18.7	16.0	17.9	8.3	6.0	5.3	4.7	12.3	101.2	73.2	82.3	77.0	122.9	60.1		30.3	122.9
28	28.7	19.2	8.7	4.7	16.8	7.9	11.7	18.5	15.0	19.3	58.1	48.3	14.7	16.7	8.6	6.9	8.8	8.0	21.0	19.6	14.4	45.2	32.5	10.6		19.3	58.1
29	13.3	13.1	13.3	10.3	18.4	21.5	14.3	17.9	11.0	14.1	56.6	114.4	154.8	53.6	33.4	51.7	54.3	100.9	102.6	76.2	68.0	86.5	68.3	67.9		51.5	154.8
30	94.5	64.3	51.5	59.9	65.9	33.4	58.6	37.4	34.2	64.0	43.6	42.5	69.5	32.9	34.3	33.6	47.1	45.8	43.9	14.2	66.1	71.6	30.0	8.2		47.8	94.5
31	4.9	29.1	22.8	3.5	8.2	12.1	70.1	153.1	150.0	153.2	81.4	81.9	22.1	14.8	10.1	7.2	5.8	5.9	16.6	11.3	10.9	12.7	15.5	34.7		39.1	153.2
000707074000															•	•	_										
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	30	30	30	30	30	30	30		723	97%
MEAN	8	43.5	48.3	35.8	37.4	43.0	43.8	56.2	70.7	63.4	69.4	71.5	68.4	68.5	62.1	66.1	47.2	41.7	46.8	43.3	45.2	49.7	49.3	51.1			
MAX	369.1	227.7	265.5	208.1	214.2	317.5	331.4	255.4	361.2	260.2	259.3	344.0	317.2	258.9	224.5	282.7	157.7	137.3	218.0	258.3	251.2	216.1	181.5	218.0			



Number of Non-Zero Reading	ıs	723	
Maximum 1-HR Average	30	69.1 UG/M3	
Maximum 24-HR Average	20	01.8 UG/M3	
		Opperational Time	723 HRS
Monthly Calibration	0	Opperational Uptime	97.2 %
Standard Deviation	62.33	Monthly Average	52.9 UG/M3

Entrance TSP (µg/m³) – December 2020

	HOUR	1											\ I			,										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	5.0	3.4	0.6	0.5	3.2	14.5	45.7	112.4	227.8	187.2	134.2	225.2	270.6	647.5	838.2	489.9	687.9	488.0	210.5	308.7	200.5	330.0	361.3	345.6	255.8	838.2
2	262.0	207.1	366.0	349.2	360.5	307.7	298.6	253.9	437.6	332.3	404.9	512.9	456.1	559.1	565.9	475.1	244.8	178.5	174.9	110.8	219.1	177.5	174.5	142.6	315.5	565.9
3	95.9	269.1	186.2	80.7	309.4	1149.5	769.6	860.2	990.5	785.2	848.4	1163.8	960.6	741.7	541.0	332.4	147.0	90.6	120.7	214.2	274.1	839.1	286.1	126.3	507.6	1163.8
4	141.0	290.0	248.2	305.8	162.8	39.4	55.6	213.9	361.4	330.2	359.9	432.1	192.0	238.1	217.7	456.3	275.1	206.5	305.5	456.7	568.9	499.5	537.3	529.2	309.3	568.9
5	557.3	388.5	638.7	720.0	811.8	960.0	1242.1	970.7	1319.2	945.9	649.7	451.3	513.4	883.1	186.7	394.5	349.8	386.9	534.8	559.7	654.9	441.5	328.1	470.1	639.9	1319.2
6	311.4	305.4	367.9	215.0	205.5	173.8	102.4	154.9	66.5	228.1	752.9	302.3	96.1	49.4	26.1	33.1	117.6	37.7	183.4	46.5	111.4	57.6	95.1	42.0	170.1	752.9
7	213.9	573.7	531.2	72.3	3.6	14.4	48.2	143.7	137.9	254.7	289.3	210.2	89.6	177.4	95.0	68.7	77.8	31.4	19.4	75.5	2.5	2.6	13.6	26.7	132.2	573.7
8	23.9	49.6	77.6	55.5	8.8	1.5	2.2	3.9	2.8	5.7	23.0	19.9	21.8	49.1	54.4	22.0	39.3	31.7	2.3	5.6	13.3	2.3	6.1	7.9	22.1	77.6
9	3.4	1.4	1.6	2.5	2.0	2.6	2.8	0.5	0.5	6.2	13.1	5.7	14.3	16.9	17.2	18.4	22.4	6.2	14.7	10.5	12.4	25.5	10.5	9.5	9.2	25.5
10	16.9	12.8	16.8	43.4	20.4	40.8	21.7	11.8	25.7	53.1	20.1	64.8	73.9	61.5	54.3	62.1	21.1	10.8	9.0	5.2	10.0	12.8	30.0	16.0	29.8	73.9
	10.7	13.5	6.7	12.1	7.4	8.9	4.3	13.3	17.3	22.3	18.2	14.8	16.7	44.9	125.8	97.6	12.4	13.5	10.5	12.1	16.2	12.6	16.6	15.2	22.7	125.8
12	19.7	21.4	10.5	8.4	9.4	11.5	20.1	14.7	10.9	11.7	19.1	12.8	43.1	82.8	31.5	34.8	13.1	11.4	10.2	14.1	8.1	10.8	19.6	10.1	19.1	82.8
13	6.7	4.8	11.5	3.4	4.1	7.6	4.6	4.7	5.4	8.1	9.5	10.0	13.2	7.3	9.1	7.7	5.8	7.7	8.0	13.6	33.4	1594.5	1000.6	432.3	133.9	1594.5
14	325.4	211.6	90.8	32.2	93.7	72.4	107.7	63.0	179.5	77.2	55.8	119.4	107.2	108.2	127.6	45.2	34.8	11.9	14.7	22.7	33.6	46.5	23.6	15.6	84.2	325.4
15	46.5	12.4	27.2	15.5	33.6	94.3	61.5	105.7	194.1	141.1	278.6	242.0	166.4	98.8	95.9	130.8	79.8	38.5	56.6	40.8	29.7	24.6	59.7	46.1	88.3	278.6
16	15.1	12.4	19.7	39.9	25.5	18.8	54.2	59.7	61.2	99.2	171.3	212.7	180.4	60.1	149.2	155.3	175.5	121.7	49.5	13.9	39.4	28.6	110.2	367.5	93.4	367.5
17 18	133.4	43.2	27.0	13.2	1.9	6.0	67.8	131.4	212.0	302.5	206.2	177.3	153.8	126.1	107.0	93.5	61.7	78.4	60.3	11.1	11.1	8.8	8.6	7.9 197.1	85.4	302.5 861.7
19	7.9	18.7	13.5	9.0 402.3	31.2	31.6	66.5	84.3	213.0	266.3	131.9 332.3	197.2 384.2	508.6	861.7	398.8	606.7 150.1	282.8	274.2	149.2	171.2	184.3	302.5	225.7 77.9		218.1 267.7	1217.9
20	275.3 182.7	111.4 39.9	1217.9 5.8	402.3	85.3 15.0	117.1 18.9	263.2 28.5	484.1 17.4	845.8 18.0	274.4 25.1	230.0	124.1	145.9 29.5	107.7 13.6	181.7 22.7	31.1	216.1 97.7	106.9 62.0	84.8 48.4	198.1 45.5	250.4 127.1	36.2 17.4	51.1	75.1 6.6	54.1	230.0
21	14.1	26.9	69.8	103.8	243.6	64.8	52.1	145.4	129.8	173.9	185.8	108.5	126.3	125.2	73.8	202.3	59.6	5.2	5.7	1.7	0.7	0.9	1.0	0.7	80.1	243.6
22	0.7	0.8	1.0	1.3	0.7	0.7	0.9	1.2	2.3	2.3	2.4	3.2	4.6	1.5	1.0	1.4	1.1	P.	P.	P.	P.	P.	P.	P	-	240.0
23	о Р	P	P	P	P	Р.	P	P	P.	P.	Р.	P	P	P	2234.4	3355.3	1511.7	1784.6	672.2	440.9	508.1	242.5	904.6	1484.5	_	-
24	3482.9	2602.5	388.6	724.5	1032.9	406.8	82.7	217.0	87.2	20.6	158.3	209.4	449.9	571.8	336.5	316.3	319.2	323.8	282.4	122.1	11.6	4.0	40.5	346.0	522.4	3482.9
25	76.3	113.8	65.1	159.1	153.0	103.2	95.4	150.3	174.4	117.4	204.7	159.4	204.5	129.8	141.1	348.4	132.9	225.1	716.7	351.8	125.9	88.4	232.4	51.6	180.0	716.7
26	49.6	67.4	52.8	51.8	59.7	25.1	28.4	29.4	5.1	5.3	3.2	3.6	2.8	6.2	3.7	2.5	2.7	4.0	4.1	5.6	5.2	8.5	7.0	5.8	18.3	67.4
27	4.2	5.2	6.1	6.7	9.1	13.4	9.8	19.0	13.2	9.1	20.5	18.5	51.7	24.9	8.4	8.5	10.2	15.9	150.5	117.8	133.5	105.5	136.9	69.7	40.4	150.5
28	32.9	22.1	9.6	4.7	19.0	8.5	13.0	21.2	17.0	25.4	135.8	166.5	47.5	45.8	20.8	20.9	18.6	12.0	35.5	27.4	17.2	58.7	52.2	11.1	35.1	166.5
29	14.5	14.2	14.6	10.7	18.1	20.6	13.8	19.4	10.8	14.8	112.1	260.0	352.2	120.9	80.9	116.5	154.5	264.1	286.7	235.9	223.8	302.1	210.7	236.3	129.5	352.2
30	239.7	235.2	244.4	242.8	258.1	205.6	93.9	90.7	145.4	248.1	140.5	146.4	309.7	124.1	102.5	136.9	215.8	189.6	223.2	72.4	378.0	391.6	166.7	40.8	193.4	391.6
31	12.7	35.9	39.2	7.7	38.5	32.8	89.0	263.2	285.3	314.6	172.7	146.1	40.3	40.4	21.0	11.7	13.1	13.0	80.7	41.6	29.1	30.6	25.6	50.9	76.5	314.6
															_	_	-									
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	30	30	30	30	30	30	30	723	97%
MEA		190.5	158.6	124.5	134.3	132.4	124.9	155.4	206.6	176.3	202.8	203.5	188.1				174.3	167.7	150.8	125.1	141.1	190.1	173.8	172.9		
MAX	3482.9	2602.5	1217.9	724.5	1032.9	1149.5	1242.1	970.7	1319.2	945.9	848.4	1163.8	960.6	883.1	2234.4	3355.3	1511.7	1784.6	716.7	559.7	654.9	1594.5	1000.6	1484.5		



Number of 24HR Exceedences		14 Proposed Guideline	
Number of Non-Zero Readings		723	
Maximum 1-HR Average	34	82.9 UG/M3	
Maximum 24-HR Average	6	39.9 UG/M3	
		Opperational Time	723 HRS
Monthly Calibration	0	Opperational Uptime	97.2 %
Standard Deviation	315.9	Monthly Average	175.4 UG/M3