LAFARGE CANADA INC.

AMBIENT AIR QUALITY MONTHLY REPORT

APRIL 2020

MAY 26, 2020

AMBIENT AIR QUALITY MONTHLY REPORT

APRIL 2020

LAFARGE CANADA INC.

PROJECT NO.: 171-00556-00
DATE: MAY 26, 2020

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

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

May 26, 2020

LAFARGE CANADA INC.
Highway 1A
Exshaw, AB T0L 2C0

Attention: Janet Brygger

Dear Ms. Brygger

Subject: Ambient Air Quality Monthly Report – April 2020

The operational uptime for the meteorological systems and all analyzers at the Lagoon station was 100% in April. There was no exceedance of the 24-hour TSP Alberta Ambient Air Quality Objective. Further, there was no exceedance of the 24-hour $PM_{2.5}$ AAAQOs, nor the 1-hour $PM_{2.5}$ AAAQG in April at the Lagoon monitoring location.

The Windridge station was taken out of operation beginning April 8th as a result of construction work for flood mitigation along Exshaw Creek. The monitor at this station is expected to be re-installed sometime in 2020, after the completion of the construction work.

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 all 3 monitors was as follows: 97.6% at the West GRIMM due to 17 hours of equipment malfunction, 99.9% at the Berm GRIMM due to 1 hour of collection error, and 100% at the Entrance GRIMM. The West GRIMM monitor recorded 1 exceedance of the 24-hour TSP AAAQG, and zero exceedances of the 24-hour $PM_{2.5}$ AAAQG. The Berm GRIMM had 7 exceedances of the TSP guideline and zero exceedances of the $PM_{2.5}$ guideline. The Entrance GRIMM monitor recorded 5 and 0 exceedances for the 24-hour TSP AAAQG and 24-hour $PM_{2.5}$ AAAQG, respectively. The resulting exposed open soil is likely producing fugitive dust near the monitors. The MD of Bighorn is planning to hydroseed the area in mid 2020.

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,

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

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

T: +1 604 685-9381
F: +1 604 683-8655
wsp.com

SIGNATURES

PREPARED BY

May 26, 2020

Dylan Weyell, B.A.
Junior Air Quality Specialist, Environment

Date

APPROVED[1] BY *(must be reviewed for technical accuracy prior to approval)*

May 26, 2020

Tyler Abel, M.Sc.
Team Leader, Environmental Management,
Vancouver Region, Environment

Date

[1] Approval of this document is an administrative function indicating readiness for release and does not impart legal liability on to the Approver for any technical content contained herein. Technical accuracy and fit-for-purpose of this content is obtained through the review process. The Approver shall ensure the applicable review process has occurred prior to signing the document.

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

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 April 1, 2020 and April 30, 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 1-1), the Windridge monitor was taken out of operation and removed from the site on April 8, 2019. The monitoring station will be re-installed after the completion of construction in 2020.

Figure 1-1 Photo of Flood Mitigation Construction at Exshaw Creek

2 APRIL 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

Parameter	Data Completeness (%)	1-Hour Average		24-hour Average	
		Maximum Concentration	Exceedances of AAAQO or AAAQG	Maximum Concentration	Exceedances of AAAQO
NO_2 (ppb)	100.0	27.8	0	9.1	-
SO_2 (ppb)	100.0	10.7	0	2.3	0
$PM_{2.5}$ (µg/m^3)	100.0	16.2	0[1]	10.7	0
PM_{10} (µg/m^3)	100.0	167.2	-	40.9	-
TSP (µg/m^3)	100.0	286.2	-	73.2	0
Temperature (°C)	100.0	16.9	-	11.6	-
Wind Speed (km/hr) /Direction (Degrees)	100.0	39.8/W	-	29.8/WSW	-
Precipitation (mm)	100.0	25[2]	-	122.5[3]	-

[1] Any exceedances reported for 1-hour $PM_{2.5}$ are over the guideline level (AAAQG) of 80 µg/m^3.
[2] Maximum Daily Total Accumulation of Precipitation (mm)
[3] Monthly Total Accumulation of Precipitation (mm)

Data Quality Notes:

- 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.

Calibration/Maintenance Notes:

- All analyzers had 100% uptime for the month of April.

2.2 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 2-2 West station data summary

Parameter	Data Completeness (%)	1-Hour Average		24-hour Average	
		Maximum Concentration	Exceedances of Guidelines	Maximum Concentration	Exceedances of Guidelines
$PM_{2.5}$ (µg/m³)	97.6	21.3	0*	16.5	0
PM_{10} (µg/m³)	97.6	72.4	-	20.7	-
TSP (µg/m³)	97.6	2570.3	-	328.1	1

* 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 exceedances of the 24-hour $PM_{2.5}$ AAAQG.
- There were no exceedances of the 1-hour $PM_{2.5}$ AAAQG.
- There was one exceedance of the 24-hour TSP AAAQG.

Calibration/Maintenance Notes:

- The West GRIMM monitor recorded 97.6% data completeness for the month of April due to 17 hours of equipment malfunction. There were two separate instances of equipment malfunction. The first being from on April 1st from 1:00 – 15:00. And the second being on April 24th from 12:00 – 13:00.

2.3 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 2-3 Berm station data summary

Parameter	Data Completeness (%)	1-Hour Average		24-hour Average	
		Maximum Concentration	Exceedances of Guidelines	Maximum Concentration	Exceedances of Guidelines
$PM_{2.5}$ (µg/m³)	99.9	97.5	2*	20.4	0
PM_{10} (µg/m³)	99.9	556.5	-	116.5	-
TSP (µg/m³)	99.9	1519.5	-	308.4	7

* 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 exceedances of the 24-hour $PM_{2.5}$ AAAQG.
- There were 2 exceedances of the 1-hour $PM_{2.5}$ AAAQG.
- There were 7 days exceeding the 24-hour TSP AAAQG.

Calibration/Maintenance Notes:

- The Berm GRIMM had 99.9% data completeness for the month of April due to one hour of collection error which occurred on April 3rd at 14:00.

2.4 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 2-4 Entrance station data summary

Parameter	Data Completeness (%)	1-Hour Average		24-hour Average	
		Maximum Concentration	Exceedances of Guidelines	Maximum Concentration	Exceedances of Guidelines
$PM_{2.5}$ (µg/m³)	100.0	78.4	0*	13.9	0
PM_{10} (µg/m³)	100.0	346.8	-	87.6	-
TSP (µg/m³)	100.0	587.1	-	196.5	5

* 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 exceedances of the 24-hour $PM_{2.5}$ AAAQG.
- There were no exceedances of the 1-hour $PM_{2.5}$ AAAQG.
- There were 5 days exceeding the 24-hour TSP AAAQG.

Calibration/Maintenance Notes:

- The analyzer had 100% uptime for the month of April.

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 April 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 April 24th The monitor had 100% uptime in April.
PM_{10} Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The PM_{10} monitor was calibrated on April 24th The monitor had 100% uptime in April.
TSP Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The TSP monitor was calibrated on April 24th The monitor had 100% uptime in April.
Oxides of Nitrogen	TEI 42C	Both monitors were calibrated on April 1st . The monitors had 100% uptime in April.
Sulphur Dioxide	Teledyne API 102A	
Precipitation	MetOne 130 Rain/Snow Gauge	The monitor had 100% uptime in April
Wind Speed	MetOne Wind Sensor	The monitors had 100% uptime in April
Wind Direction		
Ambient Temperature	MetOne Ambient Temperature Sensor	The monitor had 100% uptime in April

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 of April 2020. The wind rose indicates that the winds predominantly came from the west direction, with lighter prevailing wind from the east.

Table 3-2 summarizes the hourly, daily, and monthly concentrations recorded in April 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 April 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 NO_2, SO_2, $PM_{2.5}$, PM_{10}, and TSP measured at the Lagoon station.

There was no exceedances of the 24-hour TSP (100 µg/m^3) AAAQO. Further, there were no exceedances of the 24-hour $PM_{2.5}$ (29 µg/m^3) AAAQO, nor the 1-hour $PM_{2.5}$ AAAQG. The highest $PM_{2.5}$ concentrations recorded during the month were likely, based on wind direction and a corresponding rise in NOx emissions, not attributable to Lafarge operations and could be from industrial emissions to the east.

Historically in April, the average number of 24-hour TSP AAAQO exceedances and 24-hour $PM_{2.5}$ AAAQO exceedances is zero, respectively.

Table 3-2 Summary of April 2020 data at Lagoon

Parameter	Guideline / Objectives		Station	Exceedances		Monthly		1-hour					24-hour		Operational Time (Percent)
	1-hr	24-hr		1-hr	24-hr	Minimum	Average	Maximum Concentration/ Meteorological Variable	Day	Hour	Wind Speed (km/hr)	Wind Direction (degrees)	Maximum Concentration/ Meteorological Variable	Day	
NO_2 (ppb)	159	-	Lagoon	0	-	0.8	6.4	27.8	2	7	2.9	65.4	9.1	8	100.0
SO_2 (ppb)	172	48	Lagoon	0	0	0.0	0.8	10.7	28	21	23.1	276.7	2.3	28	100.0
$PM_{2.5}$ (µg/m^3)	80	29	Lagoon	0	0	0.0	4.9	16.2	6	12	23.7	276.0	10.7	5	100.0
PM_{10} (µg/m^3)	-	-	Lagoon	-	-	0.0	16.1	167.2	25	17	28.6	276.4	40.9	21	100.0
TSP (µg/m^3)	-	100	Lagoon	-	0	0.0	25.5	286.2	25	17	28.6	276.4	73.2	21	100.0
Temperature (°C)	-	-	Lagoon	-	-	-19.8	1.9	16.9	29	15	24.0	268.8	11.6	29	100.0
Wind Speed (km/hr)/Direction (degrees)	-	-	Lagoon	-	-	1.8	17.4	39.8/W	27	18	39.8	254.8	29.8/WSW	27	100.0
Precipitation (mm)	-	-	Lagoon	-	-	0.0	0.2	25.0	24	11	19.3	270.1	122.5		100.0

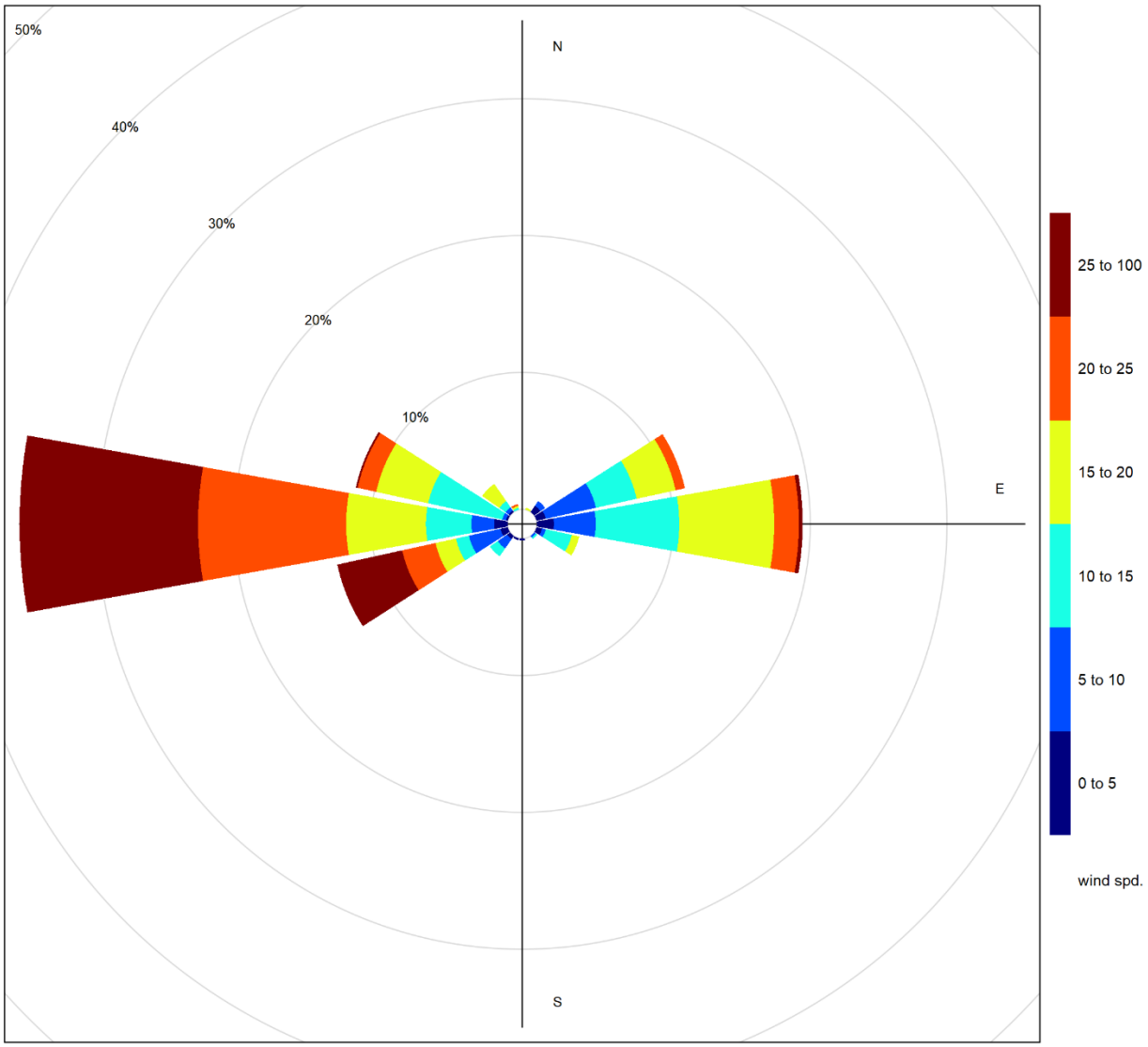


Figure 3-2 April 2020 wind rose from the Lagoon Station

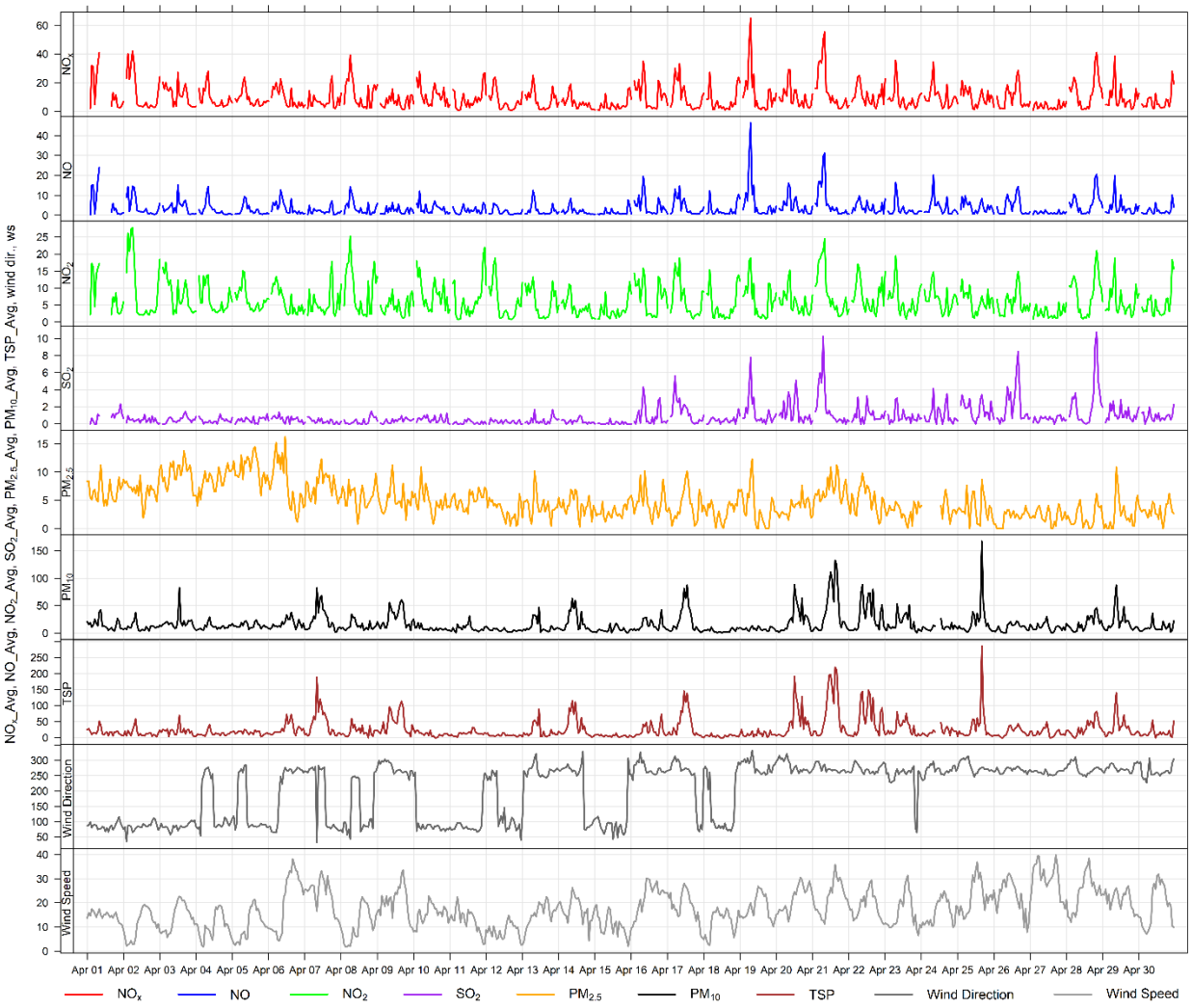


Figure 3-3 **1-hour concentrations of NO_x, SO_2, particulate matter, wind direction and wind speed at the Lagoon station**

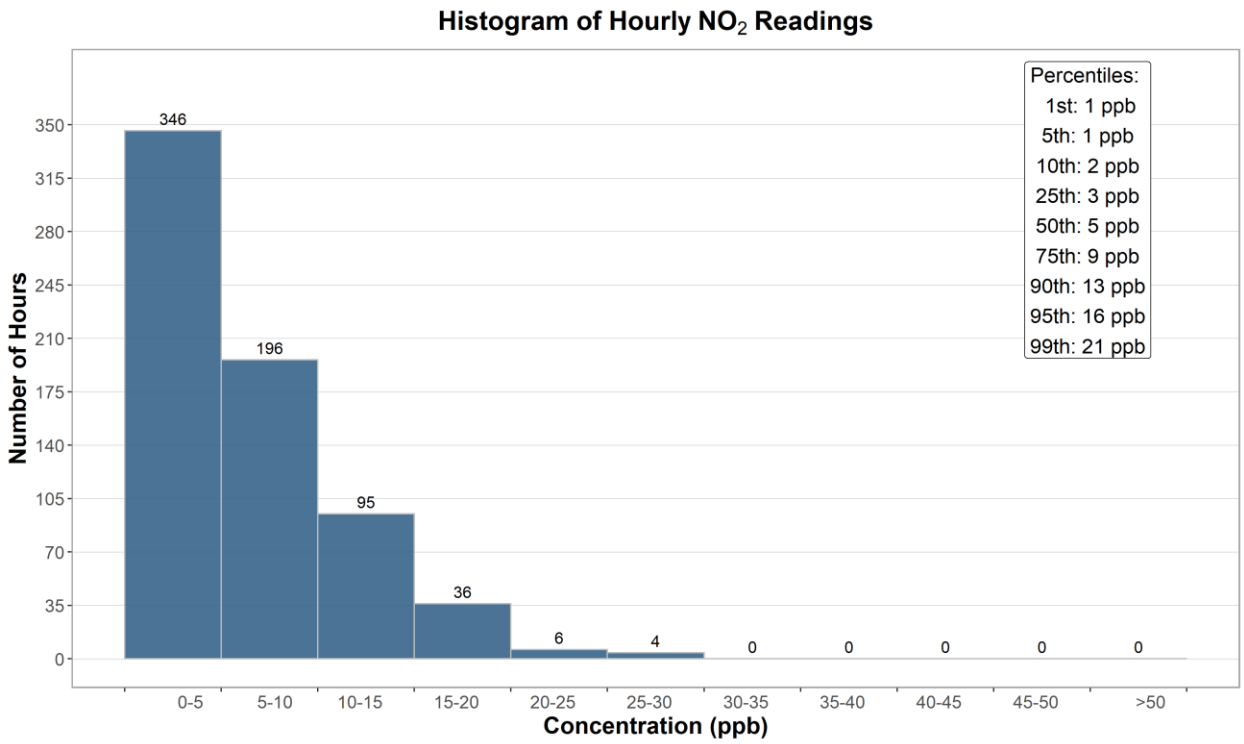


Figure 3-4 **Histogram of hourly NO_2 concentrations at the Lagoon station**

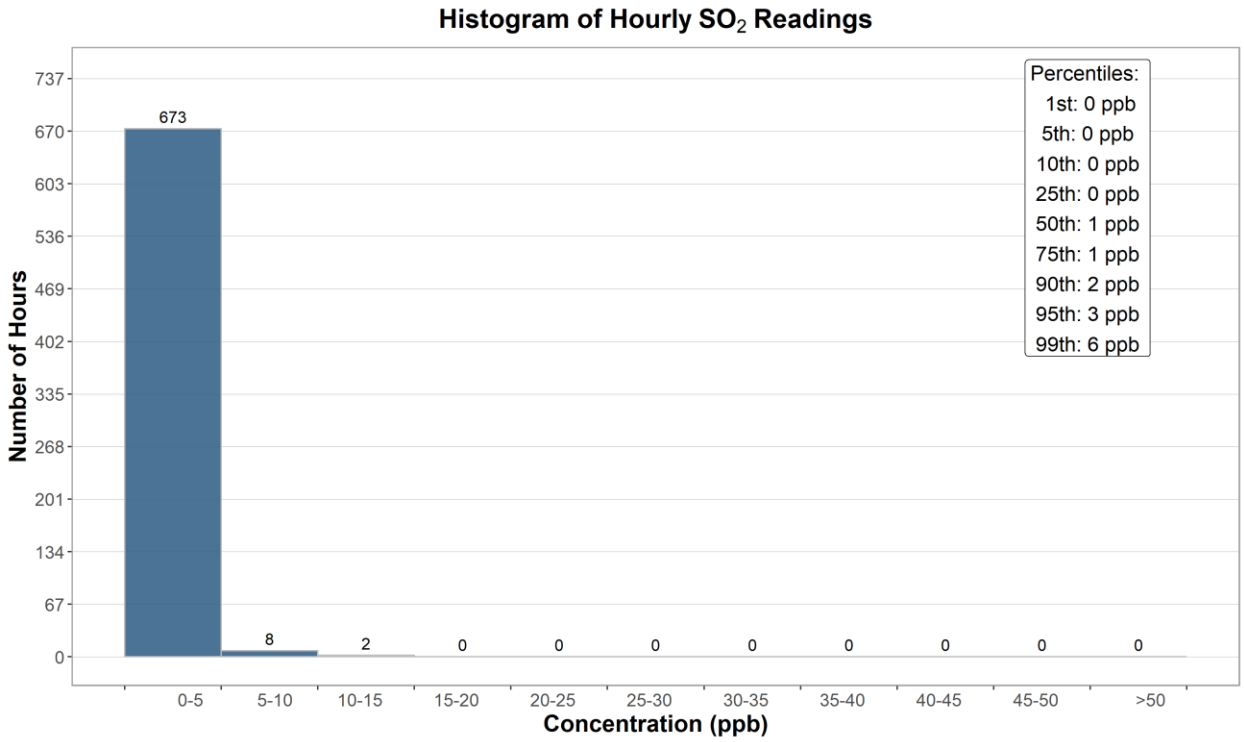


Figure 3-5 **Histogram of hourly SO_2 concentrations at the Lagoon station**

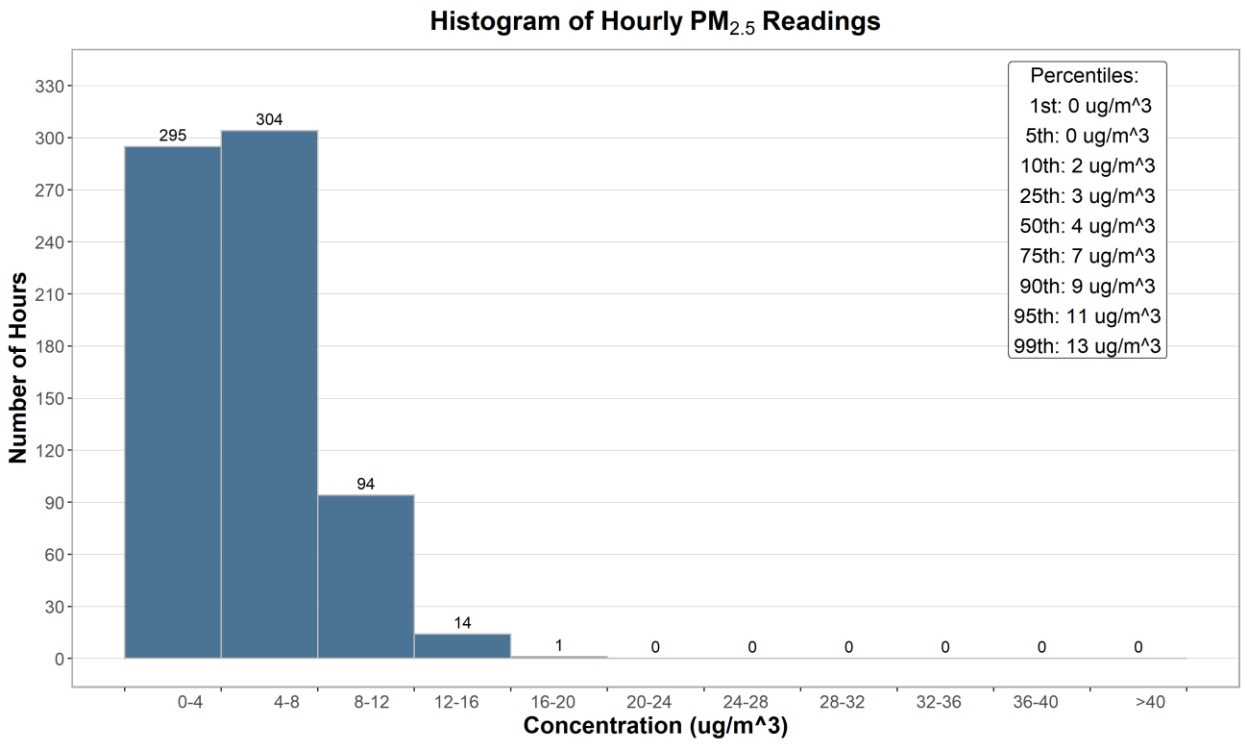


Figure 3-6 **Histogram of hourly $PM_{2.5}$ concentrations at the Lagoon station**

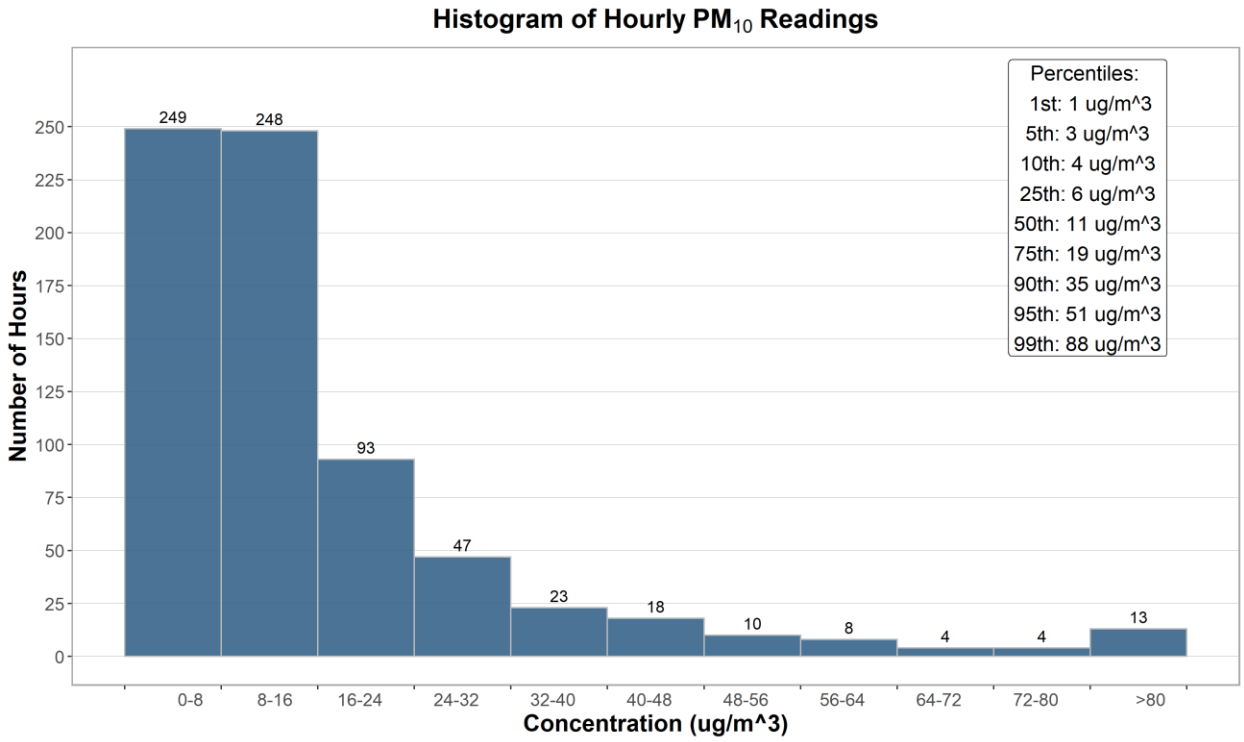


Figure 3-7 **Histogram of hourly PM_{10} concentrations at the Lagoon station**

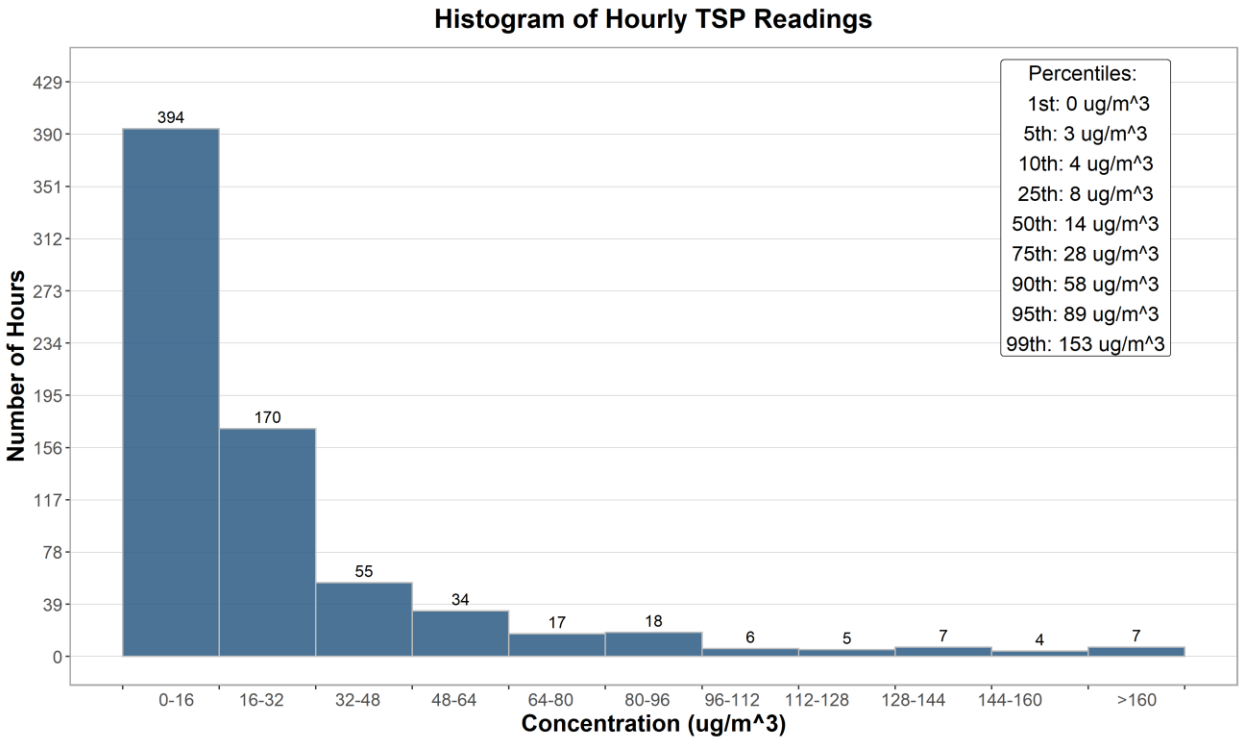


Figure 3-8 Histogram of hourly TSP concentrations at the Lagoon station

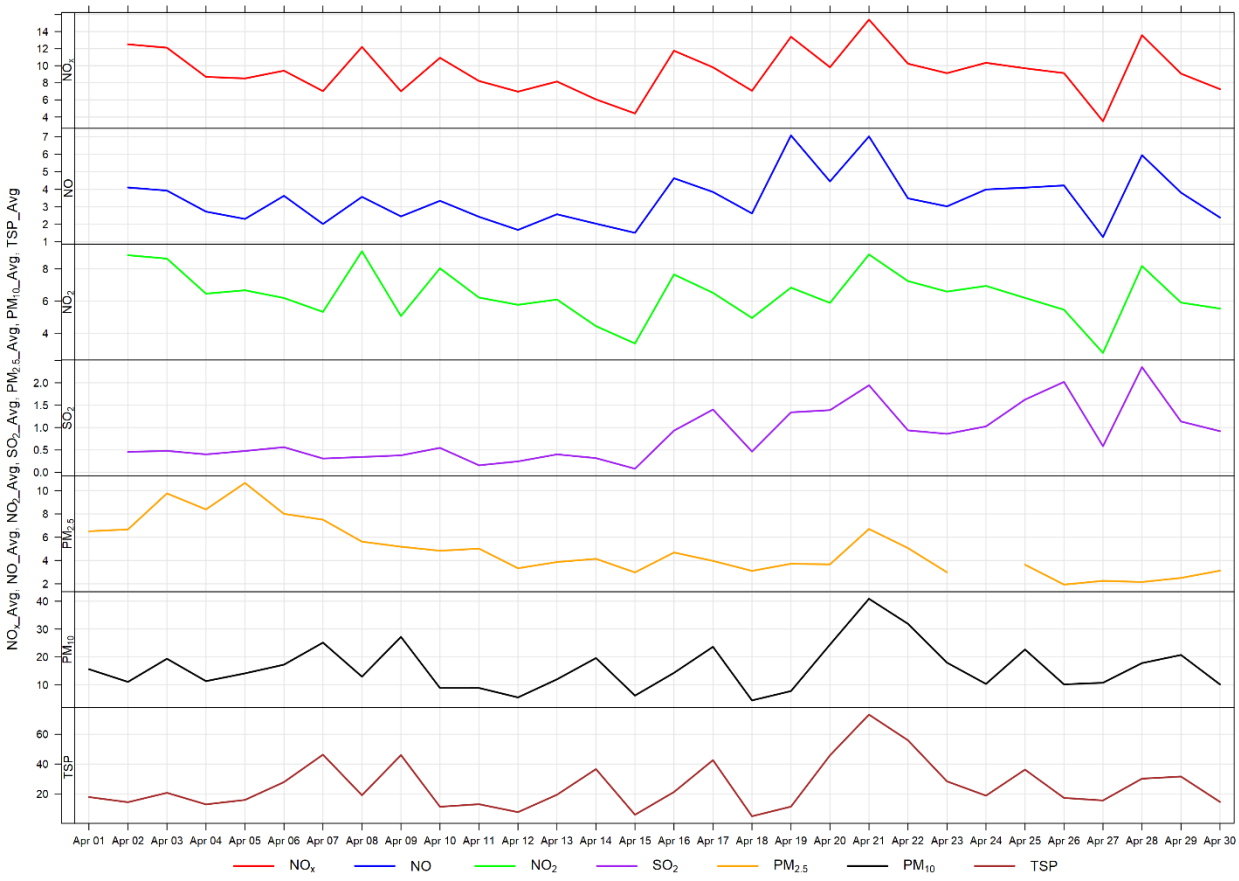


Figure 3-9 24-hour concentrations of NO_x, SO_2, and particulate matter at the Lagoon monitor

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.

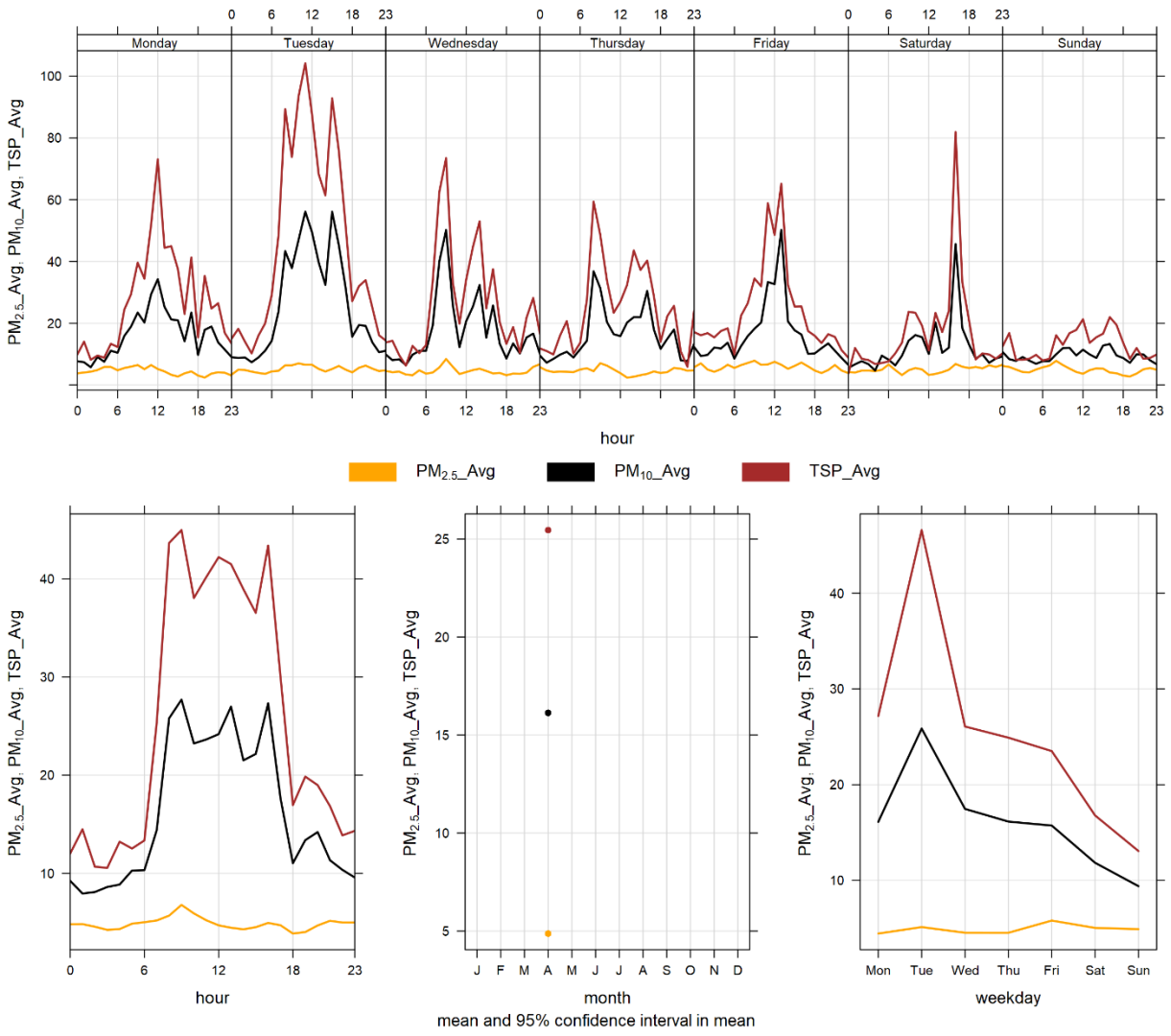


Figure 3-10 Lagoon monitor particulate matter time variation

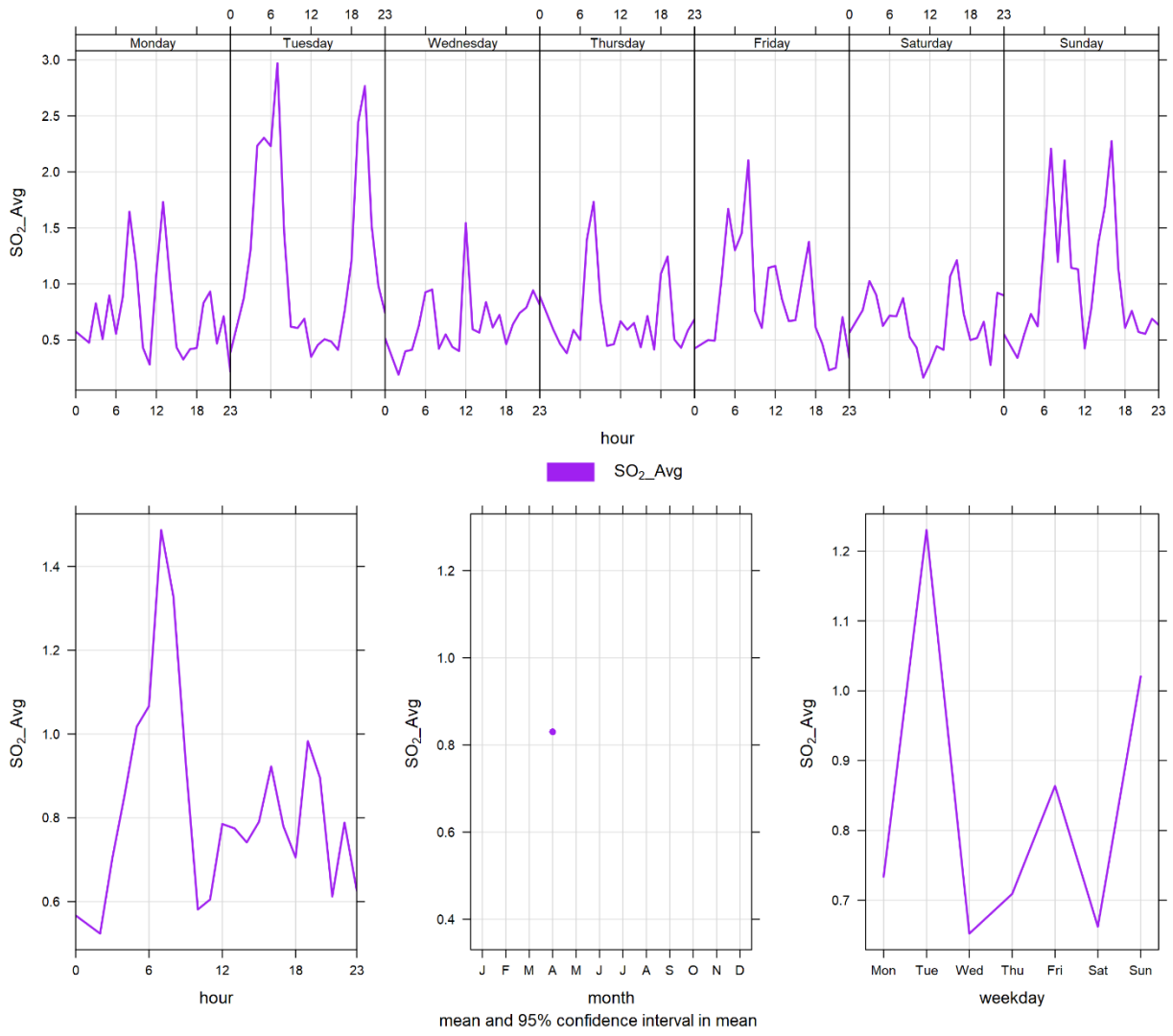


Figure 3-11 Lagoon monitor SO_2 time variation

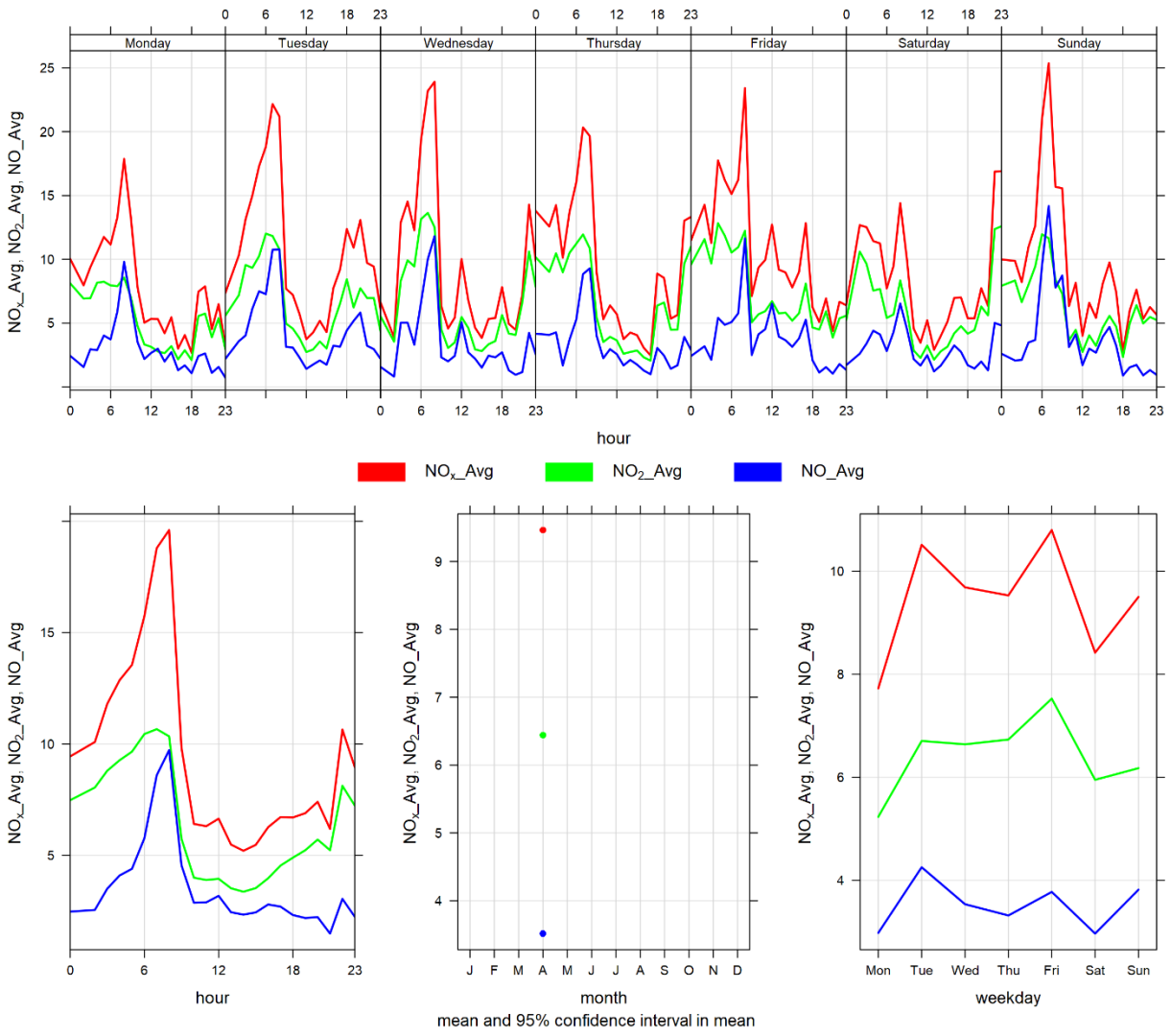


Figure 3-12 Lagoon monitor NO_x time variation

4 WEST INDUSTRIAL GRIMM

4.1 OPERATIONAL SUMMARY

A summary of the station operation for the month is provided in **Error! Reference source not found.**.

Table 4-1 Instrumentation List at the West monitoring location

Parameter Measured	Equipment Description	Notes
$PM_{2.5}$, PM_{10}, TSP Concentrations	GRIMM 365 Continuous Particulate Monitor	The West GRIMM monitor had 97.6% data completeness for the month of April due to 17 hours of equipment malfunction. The first equipment malfunction occurred on April 1st from 1:00 – 15:00. While the second equipment malfunctioned occurred April 24th from 12:00 – 13:00.

4.2 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 4-2 summarizes the monthly concentrations, and the maximum 1-hour and 24-hour concentrations recorded over the course of the month, and Table 4-3 references the one exceedance for the month at the West monitor. 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 4-1 and Figure 4-2 show the hourly and daily $PM_{2.5}$, PM_{10} and TSP concentrations recorded over the month.

There was one exceedance of the 24-hour TSP guideline (100 µg/m^3). While there was no exceedance of the 24-hour $PM_{2.5}$ guideline (29µg/m^3).

Historically in April, the average number of 24-hour TSP AAAQG exceedances and 24-hour $PM_{2.5}$ AAAQG exceedances are zero and zero, respectively. The maximum number of 24-hour AAAQG exceedances was 3 days in 2010 for TSP, and 0 days from 2010 - 2019 for $PM_{2.5}$

Table 4-2 Summary of April 2020 data at the West GRIMM

Parameter	Guideline		Station	Exceedances		Monthly		Maximum 1-hour					Maximum 24-hour		Operational Time (Percent)
	1-hr	24-hr		1-hr	24-hr	Minimum	Average	Maximum Concentration	Day	Hour	Wind Speed (km/hr)	Wind Direction (degrees)	Maximum Concentration	Day	
$PM_{2.5}$ ($\mu g/m^3$)	80	29	West	0	0	0.4	4.8	21.3	5	10	4.8	284.7	16.5	5	97.6
PM_{10} ($\mu g/m^3$)	-	-	West	-	-	0.4	7.5	72.4	16	14	26.9	264.8	20.7	16	97.6
TSP ($\mu g/m^3$)	-	100	West	-	1	0.3	28.3	2570.3	11	13	17.1	75.9	328.1	11	97.6

Table 4-3 Days exceeding the Guideline for TSP or $PM_{2.5}$ at the West Monitor

Date	TSP (ug/m^3)	$PM_{2.5}$ (ug/m^3)	Average Wind Direction (degrees)	Average Wind Speed (km/hr)	Average RH (%)	Root Cause (Provided by Lafarge)
Entrance						
2020-04-11	328.1	-	80.5	12.7	82.5	TSP.
Total # of Exceedances	**1**	**0**				
Maximum # of Exceedances (April)	3 (2010)	0 (2010 ~ 2019)				
Average # of Exceedances (April)	0	0				
Minimum # of Exceedances (April)	0 (2011 - 2016, 2018, 2019)	0 (2010 ~ 2019)				

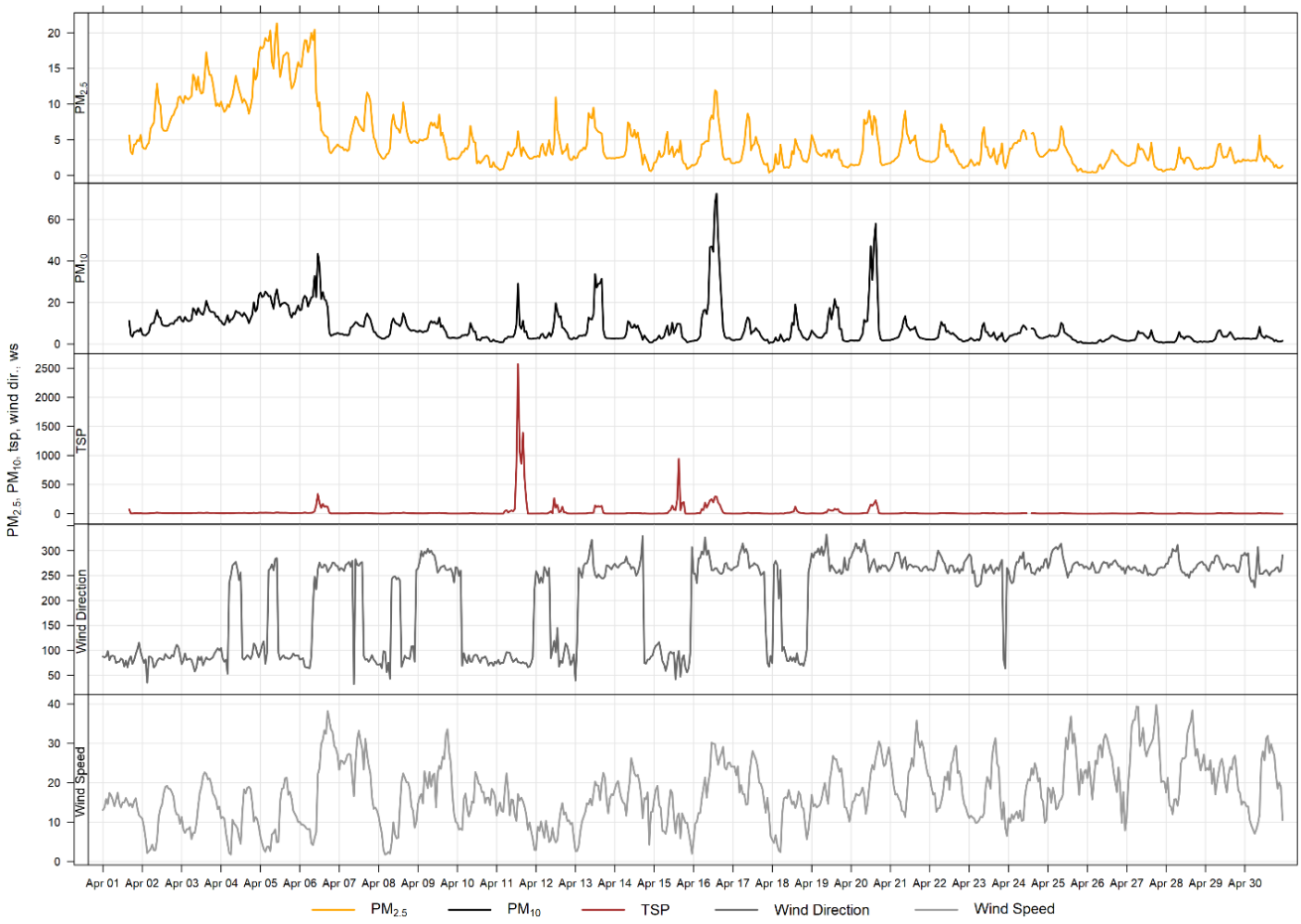


Figure 4-1 1-hour particulate matter concentrations at the West monitor

Figure 4-2 24-hour particulate matter concentrations at the West monitor

Figure 4-3 below 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 4-3 is based on data collected during April 2020 and indicates a diurnal relationship that could be due to the proximity of the West monitor to the highway. 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.

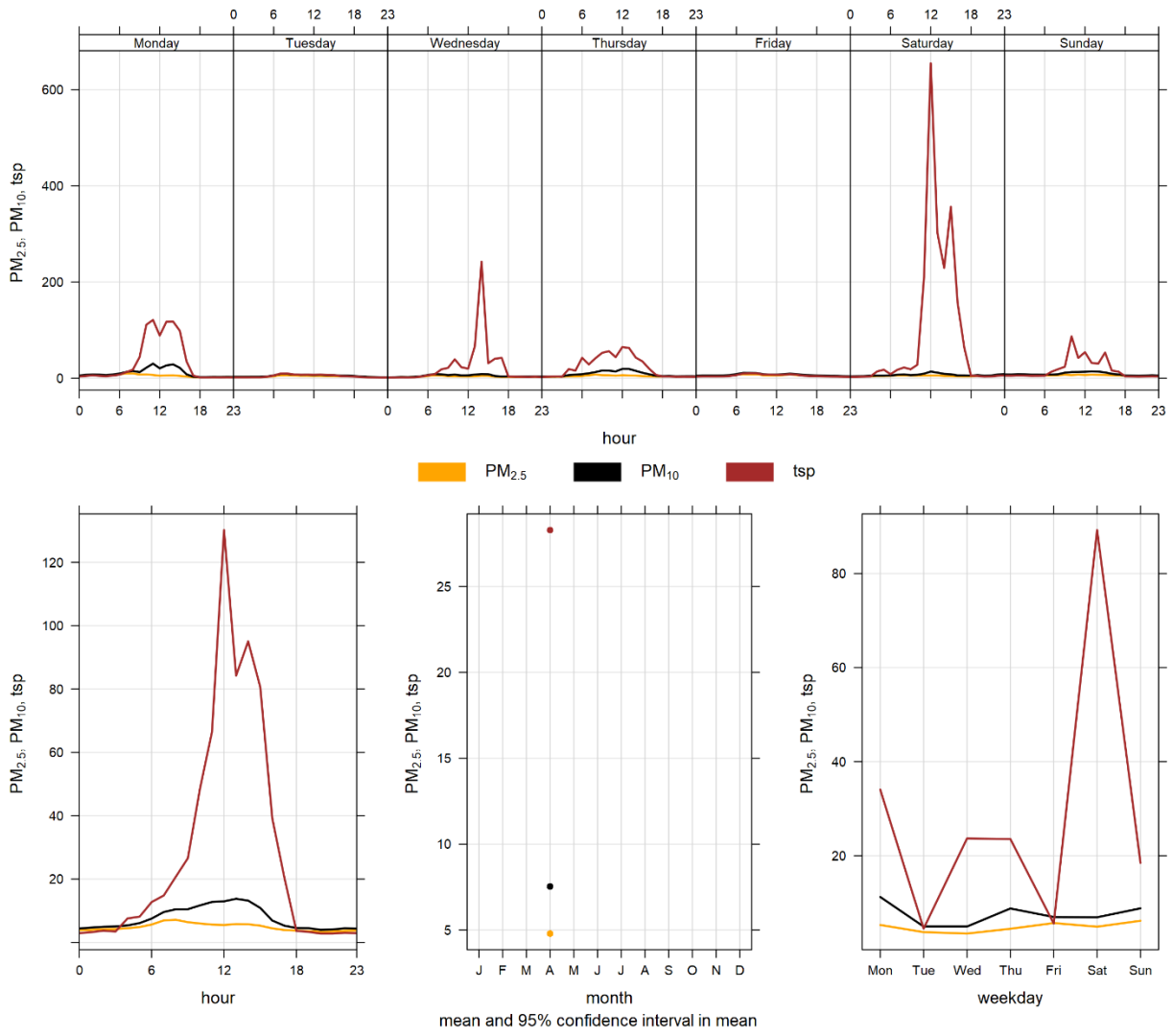


Figure 4-3 West particulate matter time variation

5 BERM 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 Berm monitoring location

Parameter Measured	Equipment Description	Notes
$PM_{2.5}$, PM_{10}, TSP Concentrations	GRIMM 365 Continuous Particulate Monitor	The monitor had 99.9% data completeness for the month of April due to one hour of collection error from the data logger.

5.2 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 5-1 and Figure 5-2 show the hourly and daily $PM_{2.5}$, PM_{10} and TSP concentrations recorded over the month. Table 5-2 summarizes the monthly concentrations, and the maximum 1-hour and 24-hour PM concentrations recorded during the month, and Table 5-3 summarizes the 7 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 7 and 0 exceedances of the 24-hour TSP (100 µg/m^3) and $PM_{2.5}$ (29 µg/m^3) guidelines, respectively. There were 2 hours exceeding the 1-hour $PM_{2.5}$ AAAQG.

Historically during the month of April, the Berm monitor records an average of 10 and 0 exceedances of the 24-hour TSP and $PM_{2.5}$ guidelines, respectively. The maximum number of TSP exceedances recorded during April occurred in 2010 where there were 22 days that exceeded the guideline. On the other hand, the maximum number of $PM_{2.5}$ exceedances in April was 1 day in 2019.

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.

Table 5-2 Summary of April 2020 data at the Berm GRIMM

Parameter	Guideline		Station	Exceedances		Monthly		Maximum 1-hour					Maximum 24-hour		Operational Time (Percent)
	1-hr	24-hr		1-hr	24-hr	Minimum	Average	Maximum Concentration	Day	Hour	Wind Speed (km/hr)	Wind Direction (degrees)	Maximum Concentration	Day	
$PM_{2.5}$ ($\mu g/m^3$)	80	29	Berm	2	0	0.2	4.6	97.5	21	16	35.8	267.8	20.4	21	99.9
PM_{10} ($\mu g/m^3$)	-	-	Berm	-	-	0.2	22.5	556.5	21	16	35.8	267.8	116.5	21	99.9
TSP ($\mu g/m^3$)	-	100	Berm	-	7	0.1	70.2	1519.5	21	16	35.8	267.8	308.4	21	99.9

Table 5-3 Days exceeding the Guideline for TSP or $PM_{2.5}$ at the Berm Monitor

Date	TSP (ug/m^3)	$PM_{2.5}$ (ug/m^3)	Average Wind Direction (degrees)	Average Wind Speed (km/hr)	Average RH (%)	Root Cause (Provided by Lafarge)
Entrance						
2020-04-06	148.9	-	268.3	20.6	54.7	High wind event.
2020-04-07	244.6	-	290.3	23.5	47.1	High wind event.
2020-04-09	185.6	-	275	20.8	33.1	High wind event.
2020-04-21	308.3	-	270.4	22.3	35.9	High wind event.
2020-04-22	115.3	-	269.1	18.8	36.7	TSP.
2020-04-25	126.2	-	274.8	22.4	41.6	High wind event.
2020-04-28	115.5	-	268.1	24.1	38.9	High wind event.
Total # of Exceedances	**7**	**0**				
Maximum # of Exceedances (April)	22 (2010)	0 (2010 ~ 2019)				
Average # of Exceedances (April)	10	0				
Minimum # of Exceedances (April)	4 (2018)	0 (2010 ~ 2019)				

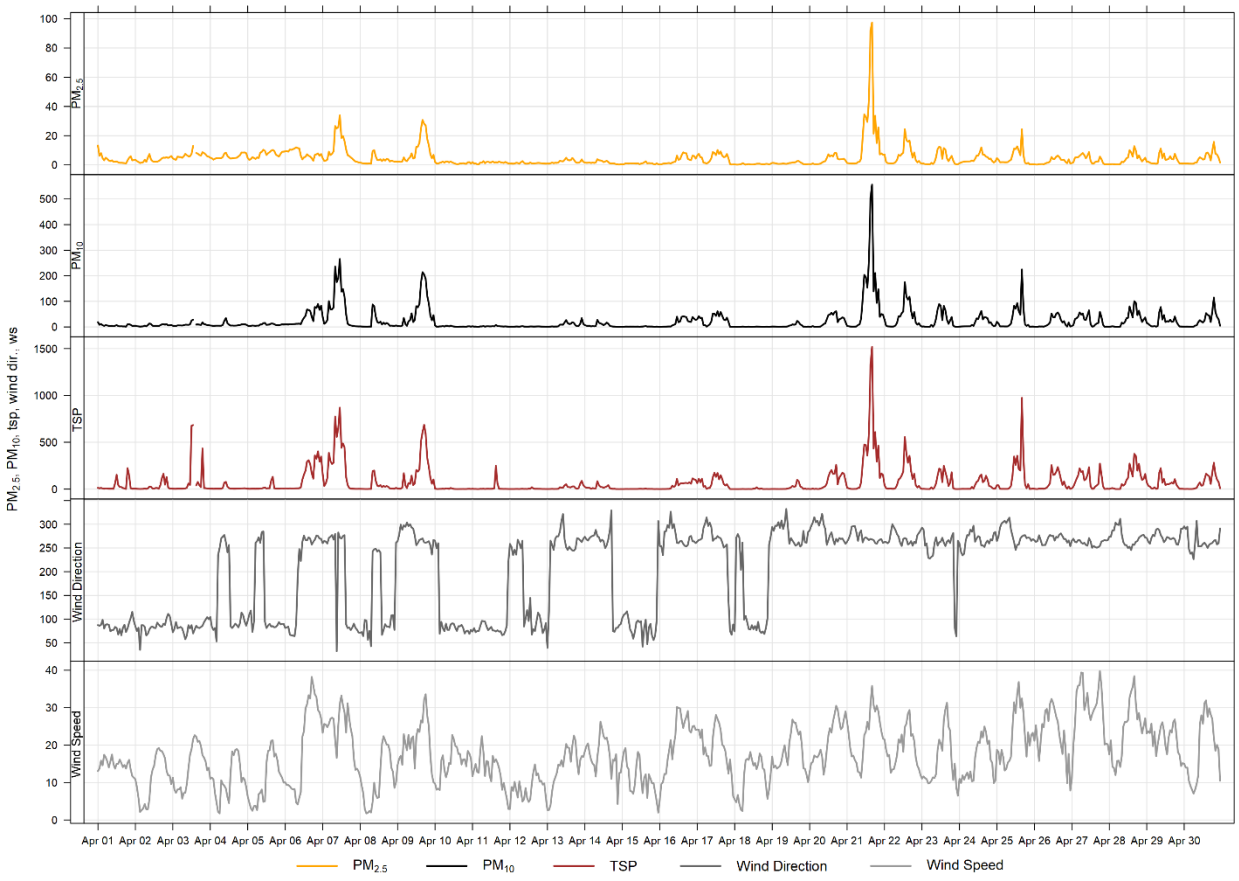


Figure 5-1 1-hour particulate matter concentrations recorded at the Berm monitor

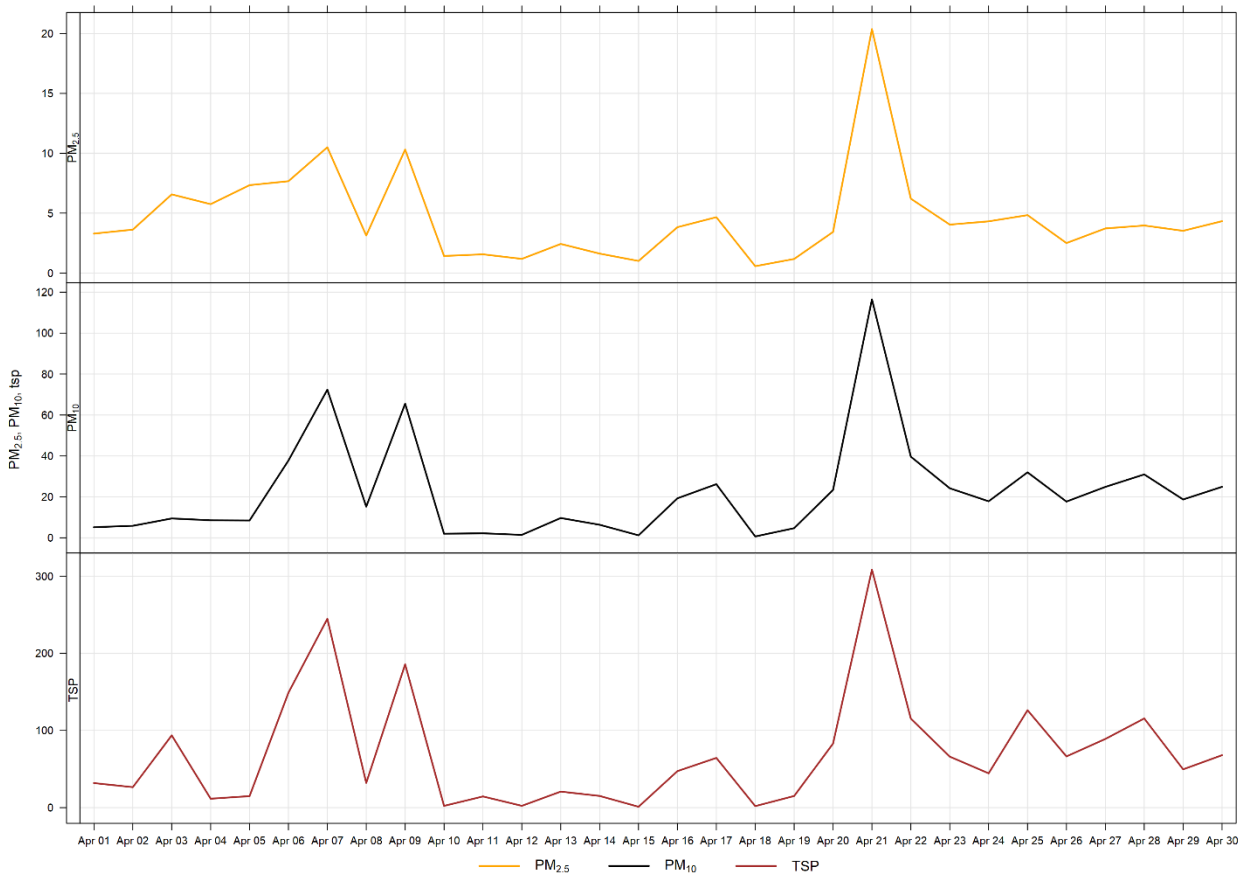


Figure 5-2 24-hour particulate matter concentrations recorded at the Berm monitor

Figure 5-3 shows the wind rose for the seven days of TSP exceedance recorded this month. The wind rose shows that the winds predominantly came from the west direction.

Figure 5-4 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 traffic and other activities in Exshaw.

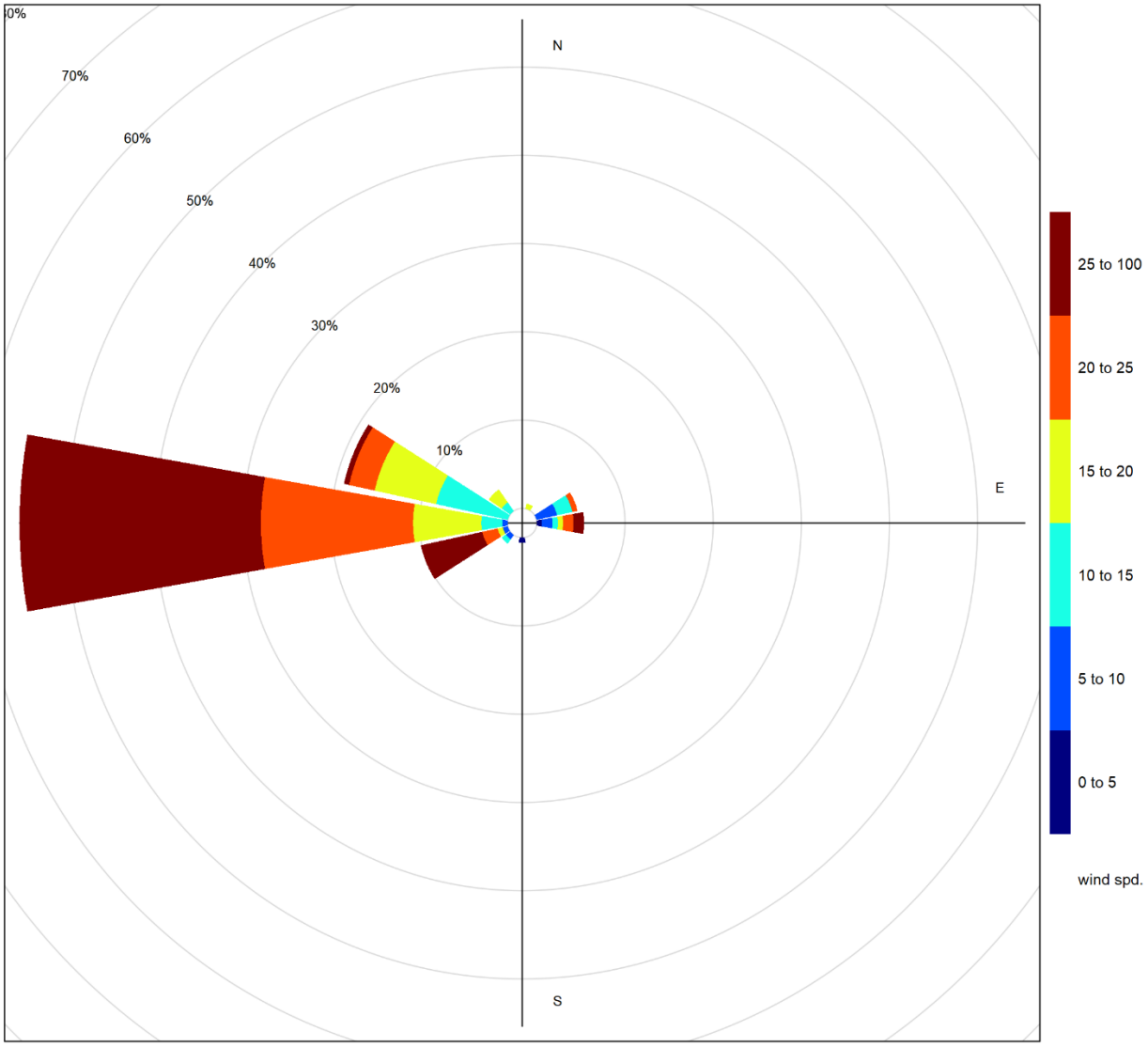


Figure 5-3 Wind rose for TSP exceedance days recorded at the Berm GRIMM

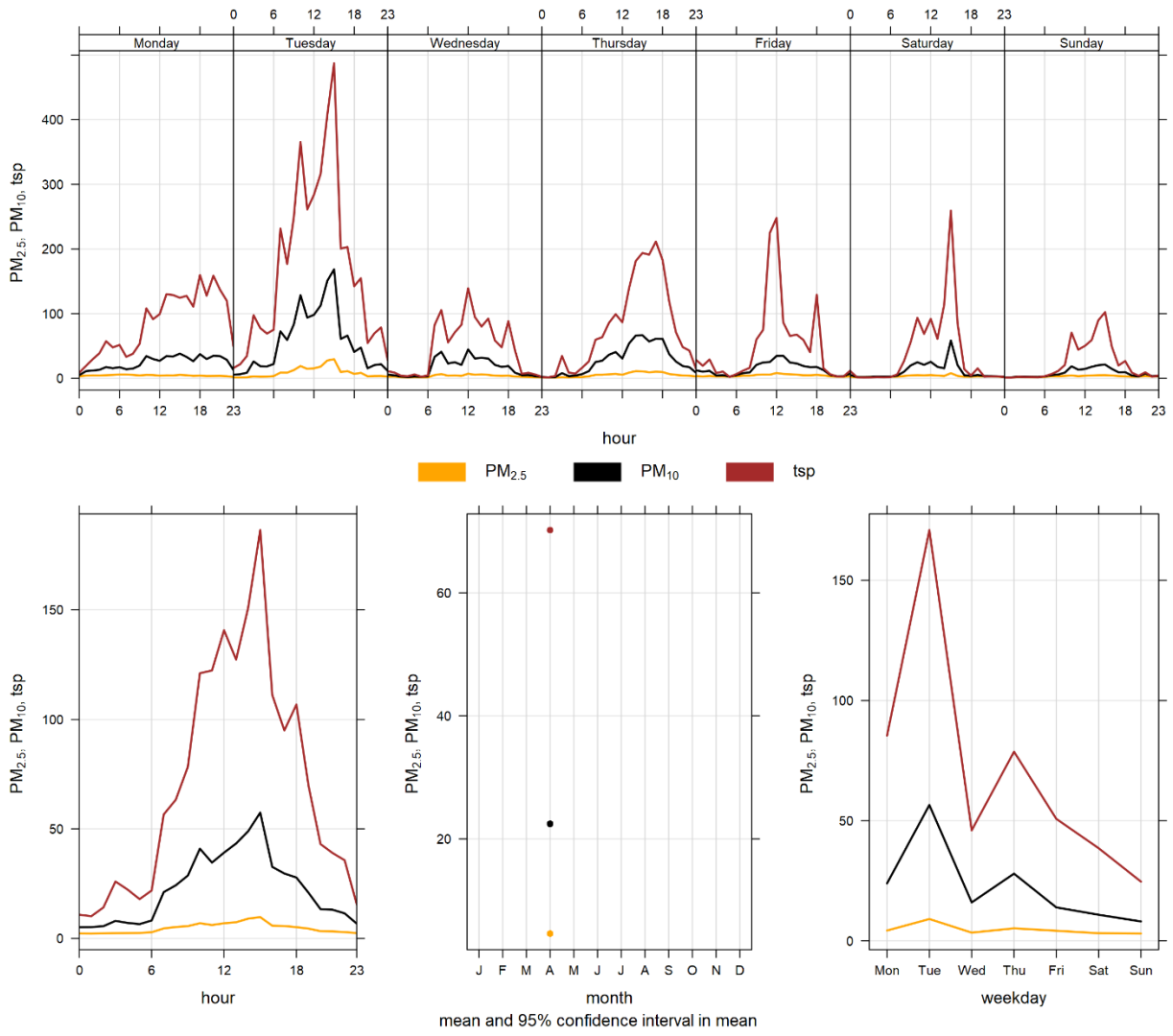


Figure 5-4 Berm particulate matter time variation

6 ENTRANCE 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 Entrance monitoring location

Parameter Measured	Equipment Description	Notes
$PM_{2.5}$, PM_{10}, TSP Concentrations	GRIMM 365 Continuous Particulate Monitor	The monitor had 100% uptime in April

6.2 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 6-1 and Figure 6-2 show the hourly and daily $PM_{2.5}$, PM_{10} and TSP concentrations recorded over the month. Table 6-2 summarizes the monthly concentrations, and the maximum 1-hour and 24-hour PM concentrations recorded during the month. 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.

During April, there were 5 and zero exceedances of the 24-hour TSP (100 µg/m^3) and $PM_{2.5}$ (29 µg/m^3) guidelines, respectively.

Historically, the Entrance monitor records an average of 11 and 0 exceedances of the 24-hour TSP and $PM_{2.5}$ guidelines respectively, during the month of April. The maximum number of TSP exceedances recorded during April occurred in 2010 (20 days), while the minimum occurred in 2017 with 1 exceedance. On the other hand, the maximum number of $PM_{2.5}$ exceedances in April was 0 days, occurring between 2010 – 2019.

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.

Figure 6-3 shows the wind rose for the 5 days that exceeded the TSP guideline. The wind rose indicates that the winds predominantly came from the west direction. High wind speeds could be attributed as the causation for the 5 TSP exceedances recorded during the month of April.

Table 6-2 Summary of April 2020 data at the Entrance GRIMM

Parameter	Guideline		Station	Exceedances		Monthly		Maximum 1-hour					Maximum 24-hour		Operational Time (Percent)
	1-hr	24-hr		1-hr	24-hr	Minimum	Average	Maximum Concentration	Day	Hour	Wind Speed (km/hr)	Wind Direction (degrees)	Maximum Concentration	Day	
$PM_{2.5}$ ($\mu g/m^3$)	80	29	Entrance	0	0	0.2	6.6	78.4	25	18	22.3	277.1	13.9	21	100.0
PM_{10} ($\mu g/m^3$)	-	-	Entrance	-	-	0.2	26.1	346.8	25	18	22.3	277.1	87.6	21	100.0
TSP ($\mu g/m^3$)	-	100	Entrance	-	5	0.1	62.5	587.1	11	15	16.2	73.9	196.5	21	100.0

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

Date	TSP (ug/m^3)	$PM_{2.5}$ (ug/m^3)	Average Wind Direction (degrees)	Average Wind Speed (km/hr)	Average RH (%)	Root Cause (Provided by Lafarge)
Entrance						
2020-04-08	121.4	-	91	10.7	55.9	TSP.
2020-04-09	170.5	-	275	20.8	33.1	High wind event.
2020-04-20	134.9	-	278.2	21.7	39	High wind event.
2020-04-21	196.4	-	270.4	22.3	35.9	High wind event.
2020-04-23	103.1	-	260.5	15.8	52.4	TSP.
Total # of Exceedances	**5**	**0**				
Maximum # of Exceedances (April)	20 (2010)	0 (2010 - 2019)				
Average # of Exceedances (April)	11	0				
Minimum # of Exceedances (April)	1 (2017)	0 (2010 - 2019)				

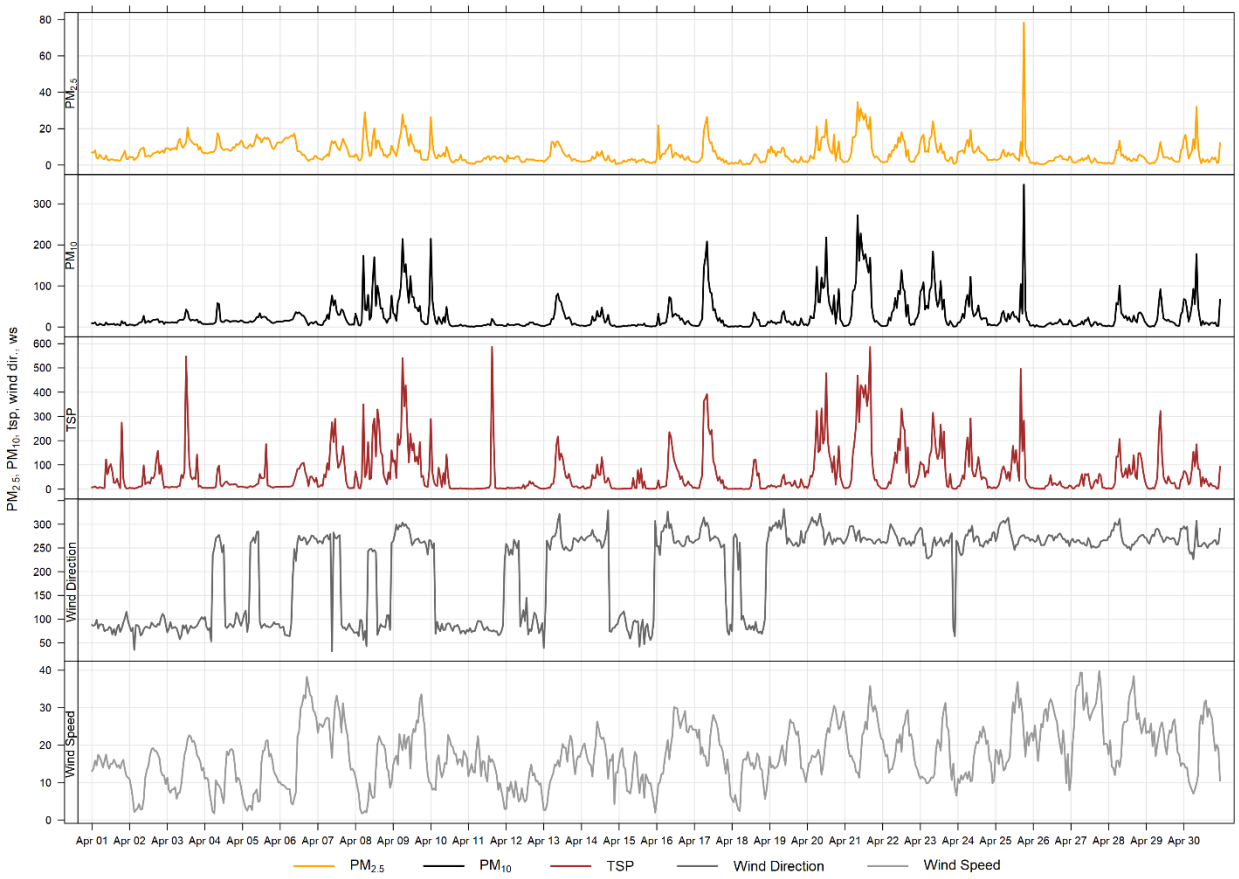


Figure 6-1 1-hour particulate matter concentrations recorded at the Entrance monitor

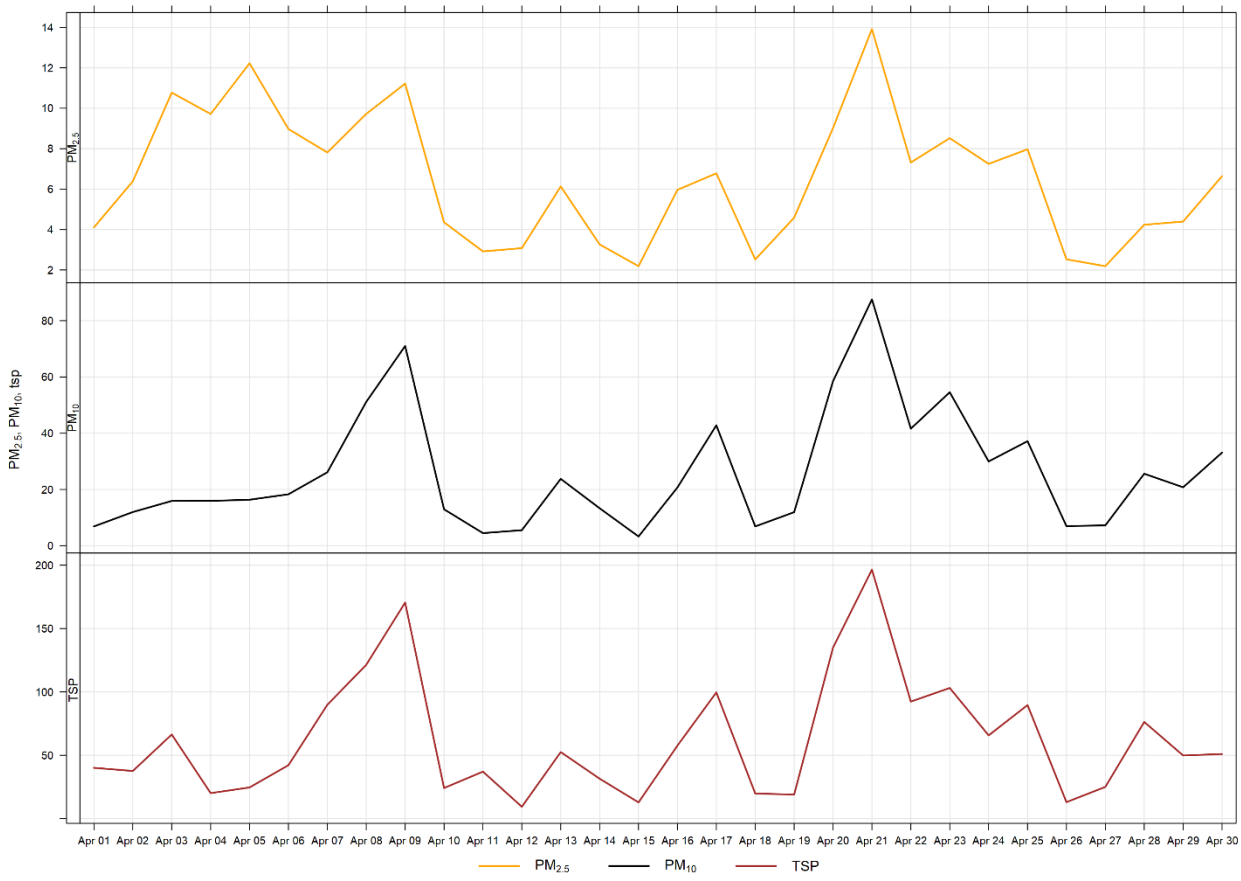


Figure 6-2 24-hour particulate matter concentrations at the Entrance monitor

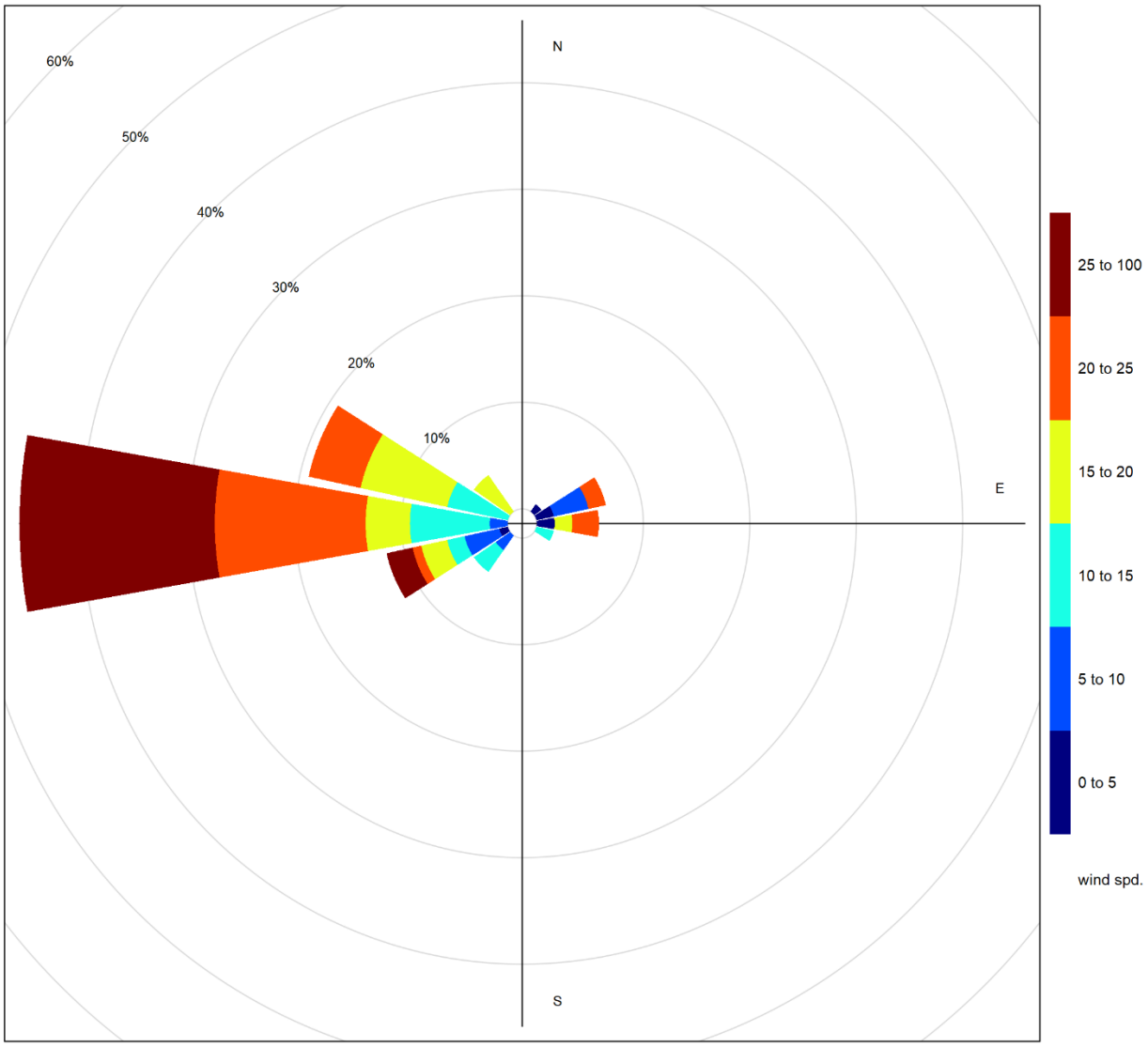


Figure 6-3 Wind rose for TSP exceedance days recorded at the Entrance GRIMM

Figure 6-4 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 6-4 is based on data collected during April 2020. The diurnal pattern is 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, but can as well by industry and rail sources.

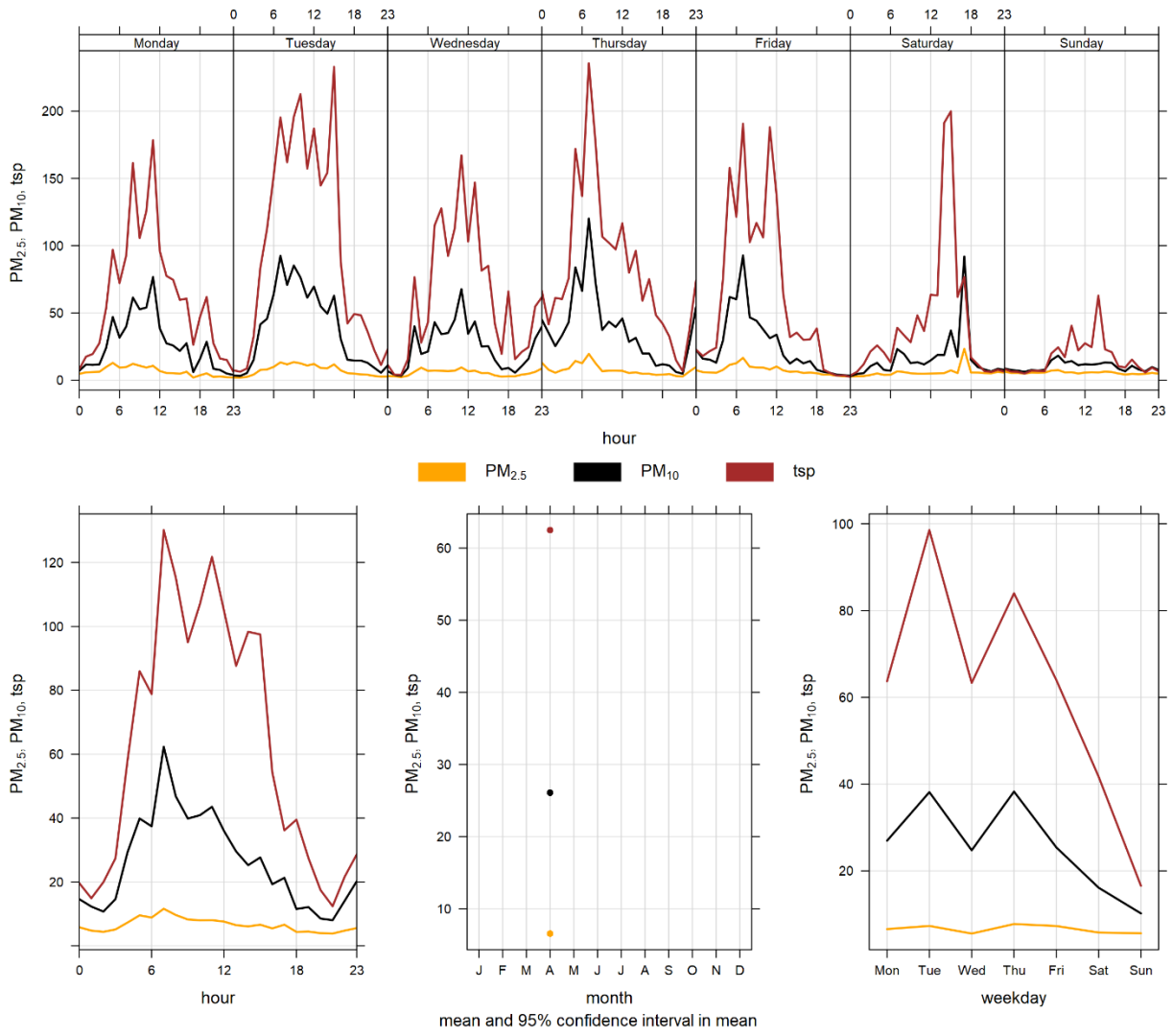


Figure 6-4 Entrance particulate matter time variation

BIBLIOGRAPHY

- Alberta Environment and Parks. (2019, January). Alberta Ambient Air Quality Objectives and Guidelines Summary. Alberta, Canada.
- Alberta Environment and Parks. (2016, February). Air Monitoring Directive. Alberta, Canada.
- Carslaw, D.C. and K. Ropkins, (2012). Openair — an R package for air quality data analysis. Environmental Modelling & Software. Volume 27–28, 52–61.
- Levelton Consultants Ltd. (2015, June 15). Comparison of GRIMM and E-BAM Data. Alberta, Canada.

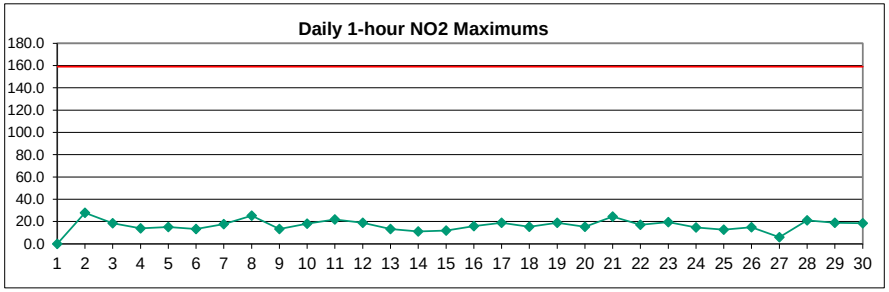
APPENDIX

A DATA & CALIBRATION REPORTS

APPENDIX

Lagoon NO_2 (ppb) – April 2020

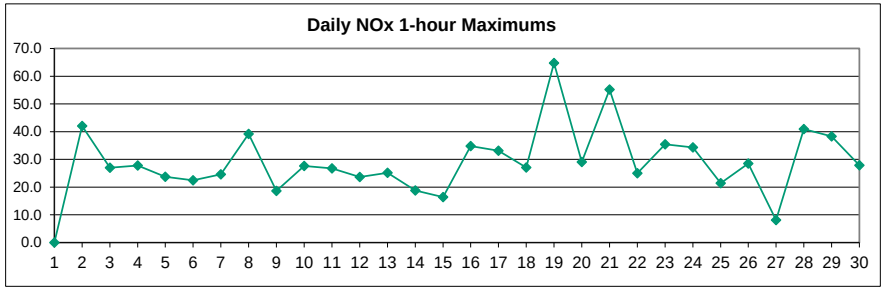
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	5.8	S	2.3	17.2	16.0	4.5	14.0	15.9	17.2	C	C	C	C	C	C	C	2.3	7.4	5.9	8.6	2.9	2.4	2.6	3.9	-	-
2	6.0	S	14.6	26.1	20.9	27.3	27.8	19.6	10.0	2.9	2.3	2.1	2.1	2.1	2.5	3.5	2.3	2.1	3.6	3.4	2.8	2.9	4.7	12.0	8.8	27.8
3	18.4	S	16.1	14.3	17.6	12.8	10.9	12.4	8.7	2.3	3.6	2.6	12.3	5.8	5.3	6.4	9.3	12.3	9.7	4.7	4.2	3.2	2.7	3.1	8.6	18.4
4	3.2	S	13.5	5.7	5.6	13.6	10.8	13.6	13.9	5.7	4.6	3.4	3.8	2.9	2.8	3.3	3.4	6.0	2.8	3.7	4.1	4.6	10.1	7.5	6.5	13.9
5	6.0	S	8.6	6.6	8.6	10.3	9.2	15.1	14.7	8.3	5.4	5.8	3.6	3.9	3.1	3.5	4.8	5.7	3.3	3.7	4.2	6.4	5.9	6.8	6.7	15.1
6	6.8	S	8.3	11.3	11.1	13.4	11.6	8.0	10.2	8.1	6.8	4.4	2.7	2.2	2.5	8.2	2.4	4.3	2.5	2.1	4.7	3.2	5.1	2.5	6.2	13.4
7	3.7	S	2.0	9.6	3.2	3.1	8.2	5.8	5.1	4.0	4.5	3.3	3.6	2.1	3.5	4.1	4.6	13.9	17.7	2.7	1.8	3.6	8.5	3.7	5.3	17.7
8	11.1	S	4.8	13.7	17.1	17.6	25.3	16.4	13.1	6.1	3.9	3.7	2.2	6.2	2.6	1.9	2.3	1.6	12.1	2.3	2.4	13.6	17.8	11.4	9.1	25.3
9	13.3	S	5.0	3.4	2.6	2.2	5.0	4.5	7.2	5.4	9.7	3.7	4.7	3.0	6.6	3.7	1.6	1.1	1.4	5.5	7.7	1.8	8.2	9.1	5.1	13.3
10	4.7	S	18.0	13.2	16.0	11.2	7.2	4.7	6.7	4.7	3.1	3.8	3.0	10.2	13.1	8.8	8.1	9.0	5.3	8.1	12.6	3.3	7.4	2.6	8.0	18.0
11	3.7	S	11.4	12.3	2.0	0.8	0.8	1.0	4.8	7.1	3.8	2.1	4.6	1.6	3.3	2.5	4.4	6.2	5.4	7.5	7.0	9.1	19.7	21.9	6.2	21.9
12	10.9	S	10.5	7.7	11.0	16.9	18.8	11.1	5.0	1.2	1.2	1.6	3.0	3.4	2.8	0.9	0.8	0.8	1.2	1.9	5.1	7.0	4.9	4.6	5.8	18.8
13	11.6	S	11.3	7.9	11.3	8.7	10.4	13.2	8.6	3.4	3.8	1.2	1.1	1.1	1.7	1.0	1.4	1.4	2.7	6.6	12.1	7.5	9.1	2.8	6.1	13.2
14	4.9	S	5.7	6.6	3.8	5.7	7.7	11.2	10.7	2.5	4.7	3.7	1.3	1.5	3.7	2.9	4.0	3.4	4.8	3.1	5.4	2.5	1.0	1.2	4.4	11.2
15	1.0	S	0.9	0.9	5.1	3.3	2.1	8.8	1.8	1.5	1.0	3.1	3.3	2.2	1.2	3.9	1.5	1.9	3.3	3.5	2.8	4.1	8.3	11.9	3.4	11.9
16	8.3	S	14.4	10.6	10.9	12.7	5.8	9.7	15.8	13.2	1.9	2.3	2.3	2.4	1.4	2.0	1.5	1.5	13.3	12.7	6.9	7.8	9.9	8.4	7.6	15.8
17	4.1	S	2.7	4.9	11.6	17.3	14.4	13.5	18.9	6.2	8.3	9.9	5.0	3.0	3.3	3.3	1.6	1.0	1.9	2.1	2.5	2.0	3.1	9.1	6.5	18.9
18	8.9	S	8.4	7.9	15.4	7.8	1.3	1.2	3.8	4.5	1.5	2.4	1.4	2.2	0.9	1.4	1.3	1.1	3.9	2.7	4.4	4.7	12.7	13.8	4.9	15.4
19	12.1	S	7.6	8.2	10.7	8.5	17.9	18.8	6.9	11.4	2.2	3.9	1.7	1.5	1.1	2.2	1.8	1.0	1.3	11.4	11.2	3.2	6.2	6.3	6.8	18.8
20	8.6	S	7.2	5.1	5.0	9.2	7.8	6.5	13.2	15.3	3.9	3.4	7.5	6.3	4.5	2.4	2.9	4.7	2.0	7.6	4.3	2.3	2.0	3.7	5.9	15.3
21	8.0	S	10.6	11.7	18.1	18.7	20.1	21.0	24.5	9.5	7.8	7.3	4.6	6.9	4.6	3.6	4.8	1.8	1.7	2.0	2.8	5.3	7.3	2.3	8.9	24.5
22	3.8	S	6.3	5.9	7.9	11.9	17.1	15.7	11.7	7.0	4.5	2.9	7.0	5.1	3.4	3.1	6.8	2.7	1.7	5.1	10.3	8.7	13.2	4.8	7.2	17.1
23	14.9	S	6.7	9.2	7.1	7.2	10.6	19.4	13.4	3.9	2.0	4.8	5.8	2.2	1.0	3.0	3.8	3.0	6.8	4.4	1.9	3.2	7.1	9.9	6.6	19.4
24	11.0	S	9.5	6.3	6.1	6.1	9.6	13.3	14.7	7.0	7.7	7.5	6.5	4.1	1.6	2.3	4.1	10.1	1.8	3.1	4.4	7.0	8.2	7.6	6.9	14.7
25	5.1	S	9.0	12.6	7.2	8.5	8.7	7.0	11.0	6.4	1.5	1.2	3.1	1.8	4.2	5.4	7.7	5.7	4.5	3.9	9.7	4.1	7.0	7.1	6.2	12.6
26	2.7	S	6.7	4.0	1.8	2.0	1.9	1.6	7.0	8.4	5.8	6.6	2.5	7.3	5.9	12.0	14.8	11.4	3.6	2.8	5.1	3.3	4.9	3.2	5.5	14.8
27	5.5	S	0.9	3.6	5.3	1.7	2.0	3.9	2.2	1.4	4.6	4.3	1.2	1.5	1.9	1.2	2.0	1.1	1.2	5.9	1.9	2.5	5.3	2.9	2.8	5.9
28	5.7	S	10.6	10.3	12.2	13.6	12.2	9.4	2.9	3.8	1.3	1.0	1.4	1.2	2.3	1.4	6.6	7.0	9.5	17.1	21.0	16.5	11.0	10.1	8.2	21.0
29	6.0	S	3.5	3.9	3.5	9.9	7.4	11.4	18.8	3.5	2.7	4.3	9.4	4.9	4.5	2.3	3.9	4.4	5.2	1.4	2.0	4.3	11.1	7.1	5.9	18.8
30	8.3	S	4.3	3.0	3.5	3.1	6.9	6.5	7.8	1.9	1.7	6.7	3.3	3.3	2.2	2.0	2.3	2.5	6.8	7.0	3.1	6.9	18.4	15.7	5.5	18.4
NO.	30	-	30	30	30	30	30	30	30	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	683	100%
MEAN	7.5	-	8.0	8.8	9.3	9.7	10.4	10.7	10.3	5.7	4.0	3.9	3.9	3.5	3.4	3.5	4.0	4.5	4.9	5.2	5.7	5.2	8.1	7.2		
MAX	18.4	-	18.0	26.1	20.9	27.3	27.8	21.0	24.5	15.3	9.7	9.9	12.3	10.2	13.1	12.0	14.8	13.9	17.7	17.1	21.0	16.5	19.7	21.9		



Number of 1HR Exceedences	0		
Number of Non-Zero Readings	683		
Maximum 1-HR Average	27.8 PPB		
Maximum 24-HR Average	9.1 PPB		
		Opperational Time	720 HRS
Monthly Calibration	7	Opperational Uptime	100.0 %
Standard Deviation	4.8	Monthly Average	6.4 PPB

Lagoon NOx (ppb) – April 2020

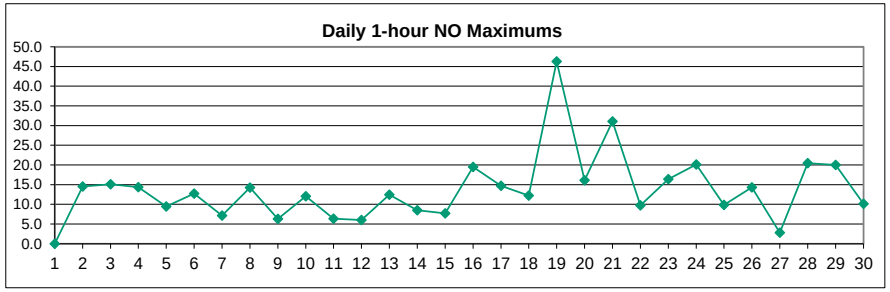
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	6.4	S	2.1	31.9	31.0	4.8	21.7	33.2	40.9	C	C	C	C	C	C	C	3.5	12.9	7.8	11.3	3.1	2.6	2.6	4.3	-	-
2	6.8	S	23.1	40.1	22.3	33.3	42.1	33.1	19.1	4.9	3.9	3.5	3.4	3.1	4.4	6.3	2.9	2.4	4.2	3.6	2.8	2.9	5.1	14.4	12.5	42.1
3	24.0	S	20.2	15.6	19.9	15.3	14.2	16.7	14.3	3.1	6.8	3.6	27.0	11.1	10.3	10.2	15.5	19.3	13.0	4.8	4.2	3.3	2.9	3.1	12.1	27.0
4	3.4	S	15.8	6.2	5.6	16.1	14.3	23.8	27.8	10.1	8.3	5.6	6.3	3.9	3.5	3.9	4.3	7.6	3.0	3.7	4.0	4.5	10.6	7.5	8.7	27.8
5	5.9	S	8.7	6.6	8.9	10.6	11.0	19.5	23.7	16.5	8.1	10.2	4.9	5.8	3.7	4.3	7.3	8.3	3.6	3.9	4.3	6.8	6.0	7.4	8.5	23.7
6	7.1	S	9.7	17.2	15.6	19.9	14.3	11.8	22.5	17.0	12.4	8.2	3.9	3.1	3.5	16.1	3.4	6.1	3.9	2.4	6.5	3.5	6.1	2.7	9.4	22.5
7	4.3	S	2.0	14.2	3.9	3.6	11.1	8.0	6.9	6.3	6.7	4.7	5.1	2.7	4.9	5.6	5.7	19.0	24.6	2.7	1.9	3.8	9.6	4.3	7.0	24.6
8	12.7	S	4.9	18.1	22.5	21.0	39.2	27.2	20.8	9.2	5.8	5.4	3.1	9.3	3.4	2.5	3.3	1.8	18.0	2.3	2.3	14.7	18.4	14.9	12.2	39.2
9	18.6	S	5.3	3.7	2.8	2.3	9.3	5.4	10.6	7.1	15.6	5.4	7.2	4.1	11.4	4.9	2.0	1.2	1.5	7.5	10.8	1.9	11.2	11.4	7.0	18.6
10	5.2	S	23.5	16.4	27.6	12.5	9.1	5.4	11.9	6.0	3.7	5.0	3.7	14.6	19.8	13.1	11.8	12.3	7.9	10.2	16.5	3.7	8.8	2.8	10.9	27.6
11	4.6	S	15.2	14.0	2.3	0.9	0.8	1.1	7.5	12.3	5.8	3.1	7.7	2.5	5.5	4.0	6.5	10.0	6.1	9.7	7.3	9.5	25.6	26.8	8.2	26.8
12	11.4	S	10.7	7.7	11.6	22.5	23.7	15.4	8.0	1.5	1.5	2.2	4.8	5.8	4.7	1.2	0.8	0.8	1.3	2.1	5.5	7.5	5.1	4.7	7.0	23.7
13	13.8	S	11.4	8.0	13.2	9.5	15.0	25.1	17.2	5.4	6.3	1.6	1.4	1.4	2.5	1.0	1.7	1.8	3.0	7.5	17.5	9.2	11.0	3.0	8.2	25.1
14	6.1	S	6.8	8.9	4.1	6.8	9.4	16.8	18.8	3.5	7.8	5.7	1.8	2.1	5.9	4.3	6.5	4.2	5.6	3.2	5.9	2.6	1.2	1.3	6.1	18.8
15	1.0	S	1.0	0.9	5.5	3.4	2.2	12.2	2.4	2.1	1.2	6.0	4.2	2.9	1.4	5.2	1.7	2.1	3.5	3.7	3.1	4.1	15.4	16.4	4.4	16.4
16	8.5	S	21.2	14.9	14.9	22.2	7.5	18.0	34.8	25.3	2.6	3.4	3.5	3.3	1.7	2.7	1.8	1.6	21.4	18.7	7.9	11.7	12.6	10.1	11.8	34.8
17	4.3	S	2.9	5.5	16.3	29.9	22.7	21.2	33.1	8.0	14.8	17.7	9.6	4.3	4.1	4.8	1.7	1.1	2.1	2.1	2.6	2.0	4.6	10.4	9.8	33.1
18	12.4	S	8.5	8.5	27.1	10.2	1.3	1.3	5.2	7.3	2.3	3.8	2.0	3.1	1.0	1.9	1.8	1.2	6.6	3.1	5.4	4.9	20.1	23.7	7.1	27.1
19	19.8	S	9.7	13.9	21.5	15.2	47.1	64.8	16.7	25.9	3.2	7.2	2.4	1.9	1.2	2.8	2.4	0.9	1.3	15.1	15.5	3.2	9.0	7.2	13.4	64.8
20	12.6	S	9.9	7.1	6.8	15.8	12.8	10.7	28.9	29.0	5.8	5.2	14.7	14.9	8.3	3.3	4.3	7.1	2.5	11.9	5.6	2.7	2.2	4.0	9.8	29.0
21	12.1	S	16.0	15.8	34.3	35.2	33.7	49.9	55.2	13.9	12.8	11.1	6.1	10.7	6.6	5.5	8.1	2.1	2.0	2.0	3.5	5.8	9.2	2.3	15.4	55.2
22	3.9	S	6.8	9.1	9.7	17.5	24.1	25.0	17.1	9.4	7.6	3.9	13.9	8.2	5.4	4.8	11.8	3.4	1.9	6.0	11.8	10.0	19.2	5.0	10.2	25.0
23	22.6	S	8.3	9.4	7.1	7.6	12.5	35.5	24.0	5.6	2.6	7.3	9.6	3.1	1.0	4.1	5.9	4.4	9.0	4.9	2.0	3.4	8.4	11.5	9.1	35.5
24	12.5	S	10.5	7.7	7.2	7.1	14.6	21.5	34.3	11.4	12.1	13.6	10.5	6.7	1.7	3.0	7.0	18.7	2.0	3.2	4.5	8.5	10.4	9.2	10.3	34.3
25	5.3	S	11.2	21.4	10.7	17.8	14.4	11.6	17.1	10.1	1.8	1.3	4.9	2.1	6.0	10.7	15.4	9.2	5.7	5.0	14.1	6.4	11.3	9.7	9.7	21.4
26	2.8	S	10.5	4.6	1.9	2.2	2.1	1.8	14.3	18.4	12.5	13.0	4.0	12.9	12.1	24.1	28.5	19.7	4.6	2.9	5.3	3.8	5.0	3.3	9.1	28.5
27	6.7	S	0.9	5.2	6.6	1.9	2.6	5.5	2.9	1.8	6.7	5.2	1.3	1.8	2.5	1.4	2.6	1.2	1.4	8.1	2.0	2.7	6.6	3.1	3.5	8.1
28	6.8	S	16.5	13.7	17.6	23.6	21.1	14.0	3.9	7.0	1.5	1.3	1.9	1.5	3.3	1.7	10.7	11.5	17.2	35.7	41.0	26.7	17.8	16.2	13.6	41.0
29	9.1	S	4.6	4.6	4.0	14.6	9.7	18.4	38.3	4.7	3.7	6.5	18.9	6.7	8.4	2.8	6.3	6.9	7.9	1.5	2.0	4.7	15.8	8.6	9.1	38.3
30	12.4	S	5.0	3.2	3.6	3.2	8.9	9.6	9.7	2.3	1.9	12.3	4.7	5.1	2.8	2.2	2.8	2.8	8.2	7.9	3.2	8.4	27.8	19.1	7.3	27.8
NO.	30	-	30	30	30	30	30	30	30	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	683	100%
MEAN	9.4	-	10.1	11.8	12.9	13.6	15.7	18.8	19.6	9.8	6.4	6.3	6.6	5.5	5.2	5.5	6.3	6.7	6.7	6.9	7.4	6.2	10.6	9.0		
MAX	24.0	-	23.5	40.1	34.3	35.2	47.1	64.8	55.2	29.0	15.6	17.7	27.0	14.9	19.8	24.1	28.5	19.7	24.6	35.7	41.0	26.7	27.8	26.8		



Number of Non-Zero Readings	683		
Maximum 1-HR Average	64.8 PPB		
Maximum 24-HR Average	15.4 PPB		
		Opperational Time	720 HRS
Monthly Calibration	7	Opperational Uptime	100.0 %
Standard Deviation	8.595	Monthly Average	9.5 PPB

Lagoon NO (ppb) – April 2020

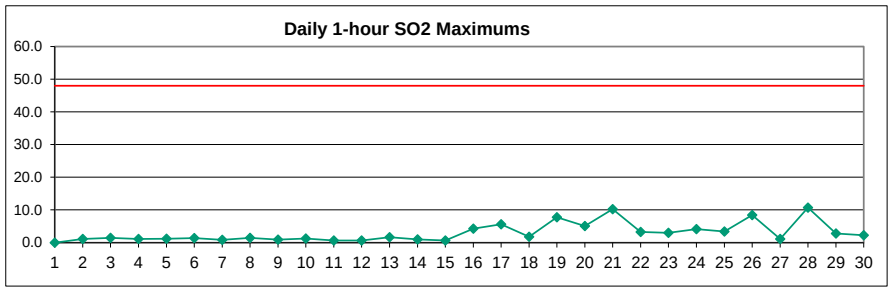
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	1.0	S	0.2	14.9	15.2	0.7	8.0	17.5	23.9	C	C	C	C	C	C	C	1.6	5.9	2.5	3.3	0.7	0.7	0.5	0.9	-	-
2	1.3	S	9.0	14.3	1.9	6.4	14.6	13.9	9.6	2.4	2.0	1.8	1.8	1.5	2.3	3.2	0.9	0.7	1.2	0.7	0.5	0.5	0.9	3.0	4.1	14.6
3	6.0	S	4.6	1.8	2.7	3.0	3.7	4.9	6.1	1.1	3.7	1.4	15.1	5.8	5.3	4.4	6.7	7.4	3.7	0.6	0.5	0.6	0.6	0.6	3.9	15.1
4	0.7	S	2.7	1.0	0.6	3.1	4.0	10.8	14.4	5.0	4.2	2.7	3.1	1.4	1.1	1.0	1.2	2.1	0.6	0.5	0.5	0.5	1.0	0.6	2.7	14.4
5	0.4	S	0.6	0.6	0.8	0.8	2.3	4.9	9.4	8.7	3.2	4.9	1.7	2.2	1.0	1.1	2.8	3.0	0.7	0.6	0.5	0.9	0.6	1.1	2.3	9.4
6	0.8	S	1.8	6.4	4.9	7.0	3.1	4.2	12.7	9.4	5.9	4.2	1.5	1.2	1.3	8.2	1.3	2.3	1.7	0.6	2.1	0.7	1.4	0.6	3.6	12.7
7	0.9	S	0.4	4.9	1.0	0.8	3.3	2.4	2.1	2.6	2.5	1.7	1.7	0.8	1.7	1.7	1.4	5.4	7.1	0.4	0.5	0.6	1.5	1.0	2.0	7.1
8	2.1	S	0.6	4.9	5.8	3.8	14.2	11.3	8.1	3.6	2.3	2.2	1.3	3.6	1.2	1.0	1.4	0.6	6.4	0.5	0.4	1.6	1.1	4.0	3.6	14.2
9	5.8	S	0.9	0.7	0.6	0.6	4.6	1.3	3.8	2.1	6.3	2.1	3.0	1.8	5.5	1.7	0.9	0.6	0.6	2.5	3.7	0.7	3.6	2.9	2.5	6.3
10	1.0	S	6.0	3.7	12.0	1.8	2.3	1.2	5.6	1.7	1.0	1.5	1.1	4.9	7.1	4.7	4.2	3.8	3.0	2.6	4.4	0.8	1.8	0.7	3.3	12.0
11	1.3	S	4.2	2.2	0.7	0.6	0.5	0.6	3.1	5.7	2.4	1.4	3.5	1.3	2.6	1.9	2.5	4.2	1.2	2.6	0.8	1.0	6.4	5.3	2.4	6.4
12	1.1	S	0.7	0.6	1.1	6.0	5.3	4.9	3.5	0.8	0.7	1.1	2.1	2.7	2.3	0.6	0.4	0.3	0.5	0.7	0.9	1.0	0.7	0.7	1.7	6.0
13	2.7	S	0.7	0.7	2.4	1.4	5.2	12.4	9.2	2.5	3.0	0.8	0.7	0.7	1.2	0.5	0.8	0.9	0.8	1.4	5.9	2.2	2.4	0.7	2.6	12.4
14	1.6	S	1.6	2.7	0.7	1.6	2.2	6.0	8.5	1.3	3.5	2.4	0.8	0.9	2.5	1.8	3.0	1.2	1.3	0.6	1.0	0.5	0.6	0.6	2.0	8.5
15	0.5	S	0.6	0.5	0.9	0.6	0.6	3.9	1.0	1.1	0.6	3.4	1.3	1.0	0.6	1.7	0.7	0.6	0.6	0.6	0.8	0.6	7.7	4.9	1.5	7.7
16	0.8	S	7.3	4.8	4.6	10.1	2.2	8.9	19.5	12.6	1.1	1.6	1.6	1.3	0.8	1.2	0.8	0.8	8.7	6.5	1.5	4.5	3.2	2.2	4.6	19.5
17	0.8	S	0.7	1.2	5.3	13.1	8.8	8.3	14.7	2.2	6.9	8.4	5.1	1.8	1.4	2.1	0.7	0.7	0.7	0.6	0.6	0.6	2.0	1.9	3.8	14.7
18	4.0	S	0.7	1.1	12.2	3.0	0.6	0.7	1.9	3.3	1.3	1.8	1.0	1.2	0.6	0.9	0.9	0.6	3.2	0.9	1.5	0.8	7.9	10.4	2.6	12.2
19	8.3	S	2.7	6.2	11.4	7.2	29.6	46.3	10.3	15.0	1.4	3.7	1.0	0.9	0.7	1.2	1.2	0.7	0.7	4.2	4.8	0.6	3.2	1.4	7.1	46.3
20	4.5	S	3.2	2.5	2.4	7.1	5.5	4.8	16.1	14.3	2.4	2.3	7.7	9.2	4.4	1.4	1.9	2.9	1.0	4.8	1.8	0.8	0.6	0.8	4.5	16.1
21	4.6	S	5.9	4.6	16.8	17.0	14.1	29.4	31.1	5.0	5.6	4.4	2.1	4.4	2.5	2.4	3.8	0.8	0.9	0.6	1.3	1.0	2.4	0.6	7.0	31.1
22	0.6	S	1.0	3.6	2.2	6.2	7.5	9.7	5.9	2.8	3.5	1.3	7.4	3.6	2.5	2.2	5.5	1.3	0.8	1.4	2.0	1.8	6.4	0.7	3.5	9.7
23	8.2	S	2.0	0.8	0.6	0.9	2.4	16.4	11.0	2.1	1.1	3.0	4.4	1.4	0.6	1.6	2.6	1.9	2.6	1.0	0.6	0.6	1.8	2.1	3.0	16.4
24	1.9	S	1.5	1.9	1.6	1.5	5.5	8.7	20.1	4.9	5.0	6.8	4.7	3.3	0.8	1.4	3.6	9.2	0.9	0.7	0.7	2.1	2.7	2.2	4.0	20.1
25	0.8	S	2.8	9.3	4.1	9.9	6.2	5.2	6.7	4.2	0.8	0.7	2.4	0.9	2.4	5.9	8.3	4.1	1.8	1.7	5.1	2.9	4.8	3.1	4.1	9.9
26	0.6	S	4.3	1.1	0.6	0.7	0.7	0.6	7.8	10.5	7.1	6.8	1.9	6.1	6.8	12.7	14.3	8.9	1.7	0.6	0.7	1.1	0.7	0.6	4.2	14.3
27	1.7	S	0.5	2.2	1.9	0.6	1.1	2.2	1.2	0.9	2.7	1.5	0.7	0.9	1.1	0.7	1.2	0.7	0.8	2.8	0.6	0.8	1.9	0.8	1.3	2.8
28	1.6	S	6.5	3.9	5.9	10.5	9.4	5.2	1.4	3.7	0.8	0.8	1.0	0.9	1.6	0.9	4.8	5.2	8.4	19.1	20.5	10.8	7.4	6.7	5.9	20.5
29	3.7	S	1.7	1.3	1.0	5.3	2.9	7.7	20.0	1.8	1.5	2.8	10.2	2.5	4.5	1.1	3.0	3.1	3.3	0.7	0.7	1.2	5.4	2.2	3.8	20.0
30	4.7	S	1.2	0.8	0.7	0.7	2.6	3.7	2.6	1.0	0.8	6.3	2.0	2.5	1.3	1.0	1.2	1.0	2.2	1.5	0.8	2.1	10.1	4.2	2.4	10.1
NO.	30	-	30	30	30	30	30	30	30	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	683	100%
MEAN	2.5	-	2.5	3.5	4.1	4.4	5.8	8.6	9.7	4.5	2.9	2.9	3.2	2.4	2.3	2.4	2.8	2.7	2.3	2.2	2.2	1.5	3.0	2.2		
MAX	8.3	-	9.0	14.9	16.8	17.0	29.6	46.3	31.1	15.0	7.1	8.4	15.1	9.2	7.1	12.7	14.3	9.2	8.7	19.1	20.5	10.8	10.1	10.4		



Number of Non-Zero Readings	683		
Maximum 1-HR Average	46.3 PPB		
Maximum 24-HR Average	7.1 PPB		
		Opperational Time	720 HRS
Monthly Calibration	7	Opperational Uptime	100.0 %
Standard Deviation	4.382	Monthly Average	3.5 PPB

Lagoon SO_2 (ppb) – April 2020

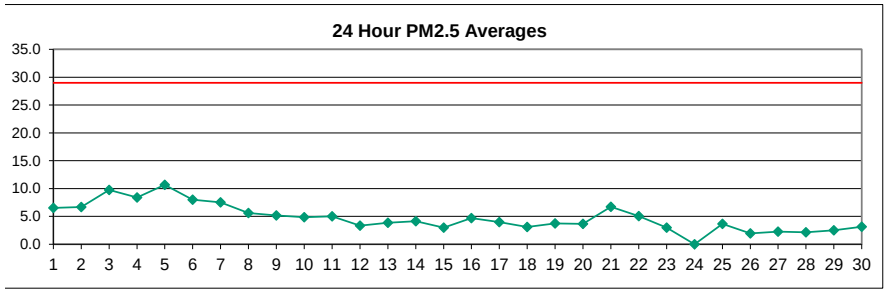
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	0.0	S	0.0	0.7	0.3	0.0	0.0	1.1	0.9	C	C	C	C	C	C	C	0.8	1.2	0.7	1.2	1.2	1.4	2.3	1.2	-	-
2	0.6	S	0.1	1.0	0.5	0.5	0.6	0.3	0.4	0.5	0.6	0.1	0.5	0.5	1.1	0.2	0.3	0.7	0.1	0.9	0.2	0.6	0.2	0.0	0.5	1.1
3	0.1	S	0.0	0.0	0.0	0.4	0.7	0.8	0.6	0.2	0.3	0.2	0.4	0.3	0.7	0.7	1.2	1.4	0.9	0.6	0.5	0.2	0.5	0.4	0.5	1.4
4	0.9	S	0.9	0.6	0.5	0.0	0.2	0.2	0.2	0.4	0.2	0.1	0.3	0.3	0.0	0.6	1.1	0.6	0.6	0.3	0.6	0.3	0.3	0.2	0.4	1.1
5	0.7	S	0.0	0.3	0.6	0.4	0.7	0.3	0.3	0.8	0.6	0.5	0.2	0.1	0.9	0.0	0.1	0.0	0.8	0.6	0.7	0.7	0.5	1.2	0.5	1.2
6	0.4	S	0.6	0.8	1.0	0.7	0.6	1.4	0.5	0.8	0.2	0.0	0.7	0.8	0.0	0.9	0.5	0.6	0.6	0.8	0.3	0.2	0.5	0.0	0.6	1.4
7	0.2	S	0.8	0.8	0.6	0.3	0.4	0.1	0.2	0.7	0.3	0.6	0.1	0.2	0.2	0.4	0.0	0.5	0.4	0.0	0.0	0.3	0.0	0.0	0.3	0.8
8	0.3	S	0.5	0.0	0.1	0.0	0.0	0.1	0.1	0.4	0.5	0.0	0.1	0.0	0.0	0.6	0.0	0.0	0.1	1.0	1.5	1.0	0.7	0.8	0.3	1.5
9	0.3	S	0.1	0.0	0.0	0.3	0.6	0.1	0.1	0.1	0.6	0.2	0.5	0.3	0.5	0.5	0.9	0.2	0.6	0.8	0.6	0.5	0.4	0.5	0.4	0.9
10	0.6	S	0.2	0.6	0.6	0.4	0.7	1.0	0.7	1.1	0.4	0.1	0.5	0.4	1.0	0.2	0.2	0.5	1.1	0.5	0.1	0.3	1.2	0.1	0.5	1.2
11	0.0	S	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.6	0.5	0.3	0.2	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.3	0.2	0.6
12	0.0	S	0.0	0.7	0.4	0.2	0.5	0.4	0.1	0.2	0.4	0.0	0.3	0.5	0.2	0.1	0.1	0.3	0.4	0.1	0.0	0.3	0.5	0.0	0.2	0.7
13	0.0	S	0.2	0.3	0.0	0.1	0.7	0.2	1.7	0.2	0.3	0.1	0.3	0.1	0.6	0.0	0.0	0.3	0.0	0.7	1.7	0.8	0.6	0.5	0.4	1.7
14	0.6	S	0.4	0.5	0.4	0.0	0.1	0.3	0.5	0.0	0.4	0.3	0.2	0.6	1.0	0.9	0.1	0.2	0.2	0.0	0.2	0.1	0.2	0.2	0.3	1.0
15	0.0	S	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.1	0.6
16	0.0	S	0.3	0.0	0.9	1.6	0.1	1.7	4.3	2.9	0.2	0.3	0.1	0.1	0.8	0.0	0.9	0.6	2.8	3.0	0.2	0.2	0.3	0.1	0.9	4.3
17	0.4	S	0.9	1.0	3.2	5.6	2.8	2.5	3.0	1.1	1.8	2.3	2.0	1.8	1.0	1.2	0.3	0.1	0.0	0.1	0.0	0.5	0.4	0.3	1.4	5.6
18	1.0	S	0.0	0.0	0.3	0.7	0.8	0.6	0.3	0.4	0.6	0.0	0.3	0.2	0.6	0.6	0.3	0.1	0.4	0.4	0.8	0.0	0.7	1.8	0.5	1.8
19	0.9	S	0.6	0.7	1.9	1.2	4.2	7.7	2.3	3.1	0.7	0.3	0.5	0.4	0.7	0.1	0.5	0.0	0.7	1.6	0.9	0.1	0.6	0.8	1.3	7.7
20	1.2	S	1.0	1.3	0.7	2.7	0.6	1.1	3.7	3.1	0.4	0.5	2.8	5.1	3.1	0.2	0.8	0.4	0.1	0.9	0.7	0.5	1.0	0.0	1.4	5.1
21	0.4	S	1.4	2.1	4.9	6.0	4.8	10.2	4.7	1.3	1.2	1.6	1.0	1.0	0.7	0.6	0.2	0.4	0.5	0.5	0.1	0.7	0.0	0.5	1.9	10.2
22	0.3	S	0.2	0.5	1.2	0.7	3.1	0.8	0.0	0.8	0.0	0.8	3.3	1.6	1.2	1.0	1.6	0.5	0.5	0.5	0.5	0.6	1.1	0.6	0.9	3.3
23	1.5	S	1.1	0.0	0.5	0.2	0.4	2.9	3.0	0.3	0.5	0.5	1.7	0.9	0.5	0.8	0.8	0.1	1.1	0.4	0.5	0.3	1.1	0.6	0.9	3.0
24	0.6	S	0.9	0.3	0.2	0.3	1.0	1.5	4.1	0.6	0.0	2.0	1.7	0.9	0.0	0.7	2.5	3.5	0.4	0.7	0.2	0.0	0.7	0.5	1.0	4.1
25	0.4	S	2.2	3.4	2.6	1.9	1.9	2.0	3.0	1.3	0.5	0.3	0.0	0.7	0.8	2.8	3.4	2.2	0.9	1.4	1.3	0.4	2.7	1.4	1.6	3.4
26	0.5	S	0.7	0.5	0.0	0.7	0.3	0.4	2.1	4.4	2.8	3.7	0.6	2.1	3.6	6.5	8.4	4.2	0.6	0.7	0.7	1.1	1.2	0.5	2.0	8.4
27	0.7	S	0.1	0.8	0.4	0.1	0.3	0.9	0.6	0.7	0.8	0.6	0.5	0.9	0.5	0.6	0.0	0.4	1.0	0.9	1.1	0.3	0.7	0.4	0.6	1.1
28	0.4	S	0.8	1.8	3.1	2.9	3.6	1.3	0.4	0.5	0.5	0.2	0.1	0.0	0.1	0.1	1.3	2.0	3.7	9.3	10.7	5.0	3.8	2.3	2.3	10.7
29	2.0	S	0.2	0.7	0.4	2.4	1.5	2.7	0.9	1.0	0.6	0.8	2.8	0.8	0.8	1.5	0.7	1.9	0.6	0.5	0.3	1.0	0.5	1.4	1.1	2.8
30	2.0	S	1.3	1.4	0.0	0.5	0.8	2.0	0.9	0.4	0.3	1.1	0.6	1.3	0.3	0.6	0.6	0.5	0.9	1.0	1.1	0.5	0.9	2.3	0.9	2.3
NO.	30	-	30	30	30	30	30	30	30	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	683	100%
MEAN	0.6	-	0.5	0.7	0.9	1.0	1.1	1.5	1.3	0.9	0.6	0.6	0.8	0.8	0.7	0.8	0.9	0.8	0.7	1.0	0.9	0.6	0.8	0.6		
MAX	2.0	-	2.2	3.4	4.9	6.0	4.8	10.2	4.7	4.4	2.8	3.7	3.3	5.1	3.6	6.5	8.4	4.2	3.7	9.3	10.7	5.0	3.8	2.3		



Number of 1HR Exceedences	0		
Number of Non-Zero Readings	603		
Maximum 1-HR Average	10.7 PPB		
Maximum 24-HR Average	2.3 PPB		
		Opperational Time	720 HRS
Monthly Calibration	7	Opperational Uptime	100.0 %
Standard Deviation	1.193	Monthly Average	0.8 PPB

Lagoon $PM_{2.5}$ ($\mu g/m^3$) – April 2020

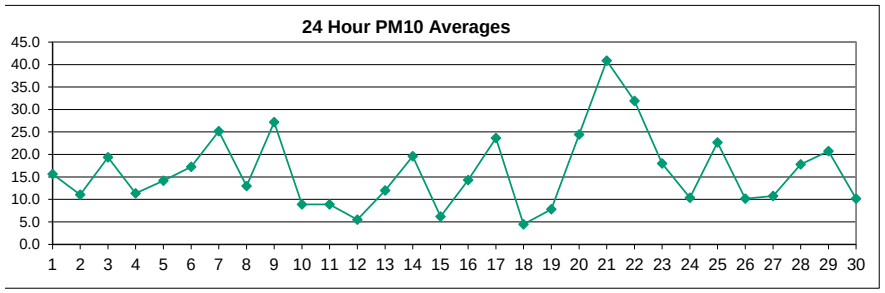
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	8.3	8.3	5.5	5.1	6.6	6.9	5.1	4.8	8.3	11.2	7.3	4.0	5.1	4.0	5.8	8.7	6.2	5.1	4.8	4.8	6.9	9.1	6.9	7.4	6.5	11.2
2	8.7	8.0	8.3	7.6	7.3	7.3	6.5	7.3	6.2	7.6	5.8	9.4	5.8	1.9	3.0	6.2	7.6	5.8	7.6	6.9	6.9	5.8	4.8	7.6	6.7	9.4
3	10.5	11.2	8.4	9.1	7.3	6.5	8.2	11.6	10.9	11.9	8.7	8.7	11.2	11.2	9.4	10.5	13.7	12.3	10.1	10.5	11.2	9.4	5.8	5.8	9.8	13.7
4	5.8	4.0	7.3	5.1	7.3	8.7	10.1	8.3	8.3	9.8	9.4	8.3	6.5	6.5	8.3	10.9	9.8	7.6	7.6	9.1	10.5	11.6	10.1	10.1	8.4	11.6
5	10.5	11.9	9.4	9.4	9.1	9.8	13.0	8.7	11.9	11.6	12.7	12.3	10.1	11.9	14.1	14.5	12.7	11.6	8.3	5.8	9.1	9.9	8.0	9.4	10.7	14.5
6	8.3	6.9	8.3	9.8	13.0	15.2	11.6	13.0	10.5	13.4	9.8	16.2	10.0	6.2	3.7	3.2	6.5	4.8	1.9	1.1	3.0	6.2	5.8	3.7	8.0	16.2
7	4.0	8.3	8.0	5.5	4.8	6.2	7.3	4.4	9.1	8.0	10.9	12.3	8.0	9.4	9.8	9.1	9.4	7.3	5.8	9.4	7.6	5.8	4.4	5.5	7.5	12.3
8	5.5	7.4	6.5	4.0	4.0	8.7	5.8	6.9	6.9	7.2	3.7	0.8	2.6	5.8	7.6	6.2	3.7	3.7	4.4	4.8	5.5	5.8	7.4	9.8	5.6	9.8
9	6.9	5.1	4.0	3.0	2.6	3.0	4.0	6.2	5.5	8.7	11.2	7.3	4.4	4.4	4.7	4.7	3.7	8.0	5.1	1.5	5.1	4.8	4.0	6.5	5.2	11.2
10	5.5	6.1	4.0	3.3	6.5	10.9	6.6	4.8	8.0	6.9	5.1	4.4	2.2	0.8	1.9	4.8	4.0	3.7	5.1	3.3	4.4	6.2	3.7	4.0	4.8	10.9
11	3.7	5.1	5.7	6.2	4.0	3.3	4.8	5.1	4.4	3.0	3.0	3.7	2.6	6.9	5.9	6.5	4.8	4.8	5.1	7.3	6.5	5.5	5.5	7.3	5.0	7.3
12	6.9	3.7	5.5	4.8	5.1	4.0	4.4	3.7	4.4	4.4	3.6	2.6	1.8	0.8	3.0	2.6	0.5	1.9	1.9	2.6	0.4	0.8	6.2	4.8	3.3	6.9
13	1.9	4.8	4.8	5.1	4.4	1.9	0.8	3.3	10.1	8.0	4.4	3.0	3.0	4.0	5.1	3.0	3.7	4.8	2.6	0.4	3.3	3.3	3.7	3.7	3.9	10.1
14	5.5	4.0	3.7	5.1	3.2	2.6	4.0	4.0	6.9	6.5	5.1	6.9	6.5	1.9	0.3	4.4	4.0	2.2	3.7	4.0	5.8	3.7	1.2	4.0	4.1	6.9
15	3.3	2.2	2.6	2.6	2.6	4.8	1.9	1.1	2.2	3.0	2.2	1.9	3.3	4.0	2.6	2.2	2.6	2.2	1.8	4.0	4.3	3.3	5.1	5.5	3.0	5.5
16	5.8	4.8	2.6	3.7	4.8	4.8	9.4	5.5	4.0	10.1	6.5	4.0	3.7	1.8	0.8	3.3	4.7	3.3	1.9	3.3	5.1	8.7	6.5	3.3	4.7	10.1
17	3.0	3.7	2.6	0.4	1.5	2.2	1.8	3.0	2.6	4.8	5.8	6.9	9.1	10.1	7.9	4.4	4.4	2.6	0.4	0.8	1.5	6.9	5.8	3.0	4.0	10.1
18	4.0	3.3	2.2	4.4	3.7	5.0	4.0	1.9	0.1	1.9	3.1	1.5	0.4	0.1	1.5	1.9	4.0	4.8	4.0	4.4	3.0	4.4	4.0	6.9	3.1	6.9
19	6.5	6.9	5.1	2.6	2.2	6.2	5.5	9.8	12.3	6.5	1.5	0.1	0.0	3.3	2.6	1.5	0.8	0.0	0.0	0.0	2.6	5.5	4.8	3.0	3.7	12.3
20	3.0	2.6	1.9	2.6	3.0	2.6	2.6	2.6	1.5	3.0	5.1	4.0	3.7	4.4	4.4	4.7	3.7	7.6	4.7	3.7	5.1	5.5	4.4	1.9	3.7	7.6
21	2.2	5.1	6.2	5.9	6.9	4.8	5.1	6.5	5.5	5.9	9.1	6.9	10.8	8.0	6.2	7.3	11.2	10.1	5.7	4.4	5.5	7.6	8.7	5.5	6.7	11.2
22	4.0	2.6	6.2	5.1	2.6	2.2	5.5	7.3	7.6	9.8	8.3	6.2	7.6	7.3	6.2	3.3	4.7	6.5	3.7	2.2	0.8	1.2	5.5	5.1	5.1	9.8
23	3.3	2.2	3.0	4.0	3.3	3.3	3.2	4.8	4.4	4.0	3.3	1.9	2.6	2.2	0.8	0.1	1.9	3.0	0.4	4.8	4.3	2.6	4.8	3.7	3.0	4.8
24	4.0	C	C	C	C	C	C	C	C	C	C	C	C	4.0	1.7	5.1	6.9	5.5	2.9	0.8	2.2	3.3	3.3	2.6	-	-
25	3.3	3.7	3.3	3.0	3.0	2.6	7.6	4.0	0.0	4.4	6.5	6.5	3.3	0.8	0.8	0.4	8.7	6.5	5.1	2.6	1.5	4.0	3.7	1.9	3.6	8.7
26	0.8	0.8	0.0	0.0	0.0	0.0	0.0	3.0	2.6	3.3	3.3	1.9	2.6	3.1	1.9	2.6	2.2	1.7	1.9	2.6	2.6	4.0	3.0	2.6	1.9	4.0
27	1.9	1.9	2.2	1.9	3.0	3.7	4.0	3.0	1.6	1.5	1.2	2.6	4.0	3.0	0.0	0.0	1.2	0.4	3.0	4.4	3.3	1.5	1.9	3.0	2.3	4.4
28	1.7	2.2	1.5	0.8	0.8	0.8	1.2	3.3	4.0	5.1	3.0	0.1	0.8	1.5	1.2	0.0	0.0	0.3	1.2	4.4	6.2	4.0	3.7	4.0	2.2	6.2
29	1.6	0.0	0.8	0.0	0.0	1.2	0.0	0.0	3.3	10.9	8.0	4.7	2.2	2.9	4.0	2.2	1.5	1.9	1.2	2.6	0.4	0.4	4.4	5.9	2.5	10.9
30	4.0	3.3	3.0	3.3	3.3	2.5	1.9	3.3	2.2	4.8	4.4	2.6	2.6	1.7	4.0	1.5	0.0	1.9	4.3	4.4	6.2	4.4	3.0	2.6	3.1	6.2
NO.	30	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	708	100%
MEAN	4.8	4.8	4.6	4.3	4.3	4.9	5.0	5.2	5.7	6.8	5.9	5.2	4.7	4.5	4.3	4.5	5.0	4.7	3.9	4.0	4.7	5.2	5.0	5.0		
MAX	10.5	11.9	9.4	9.8	13.0	15.2	13.0	13.0	12.3	13.4	12.7	16.2	11.2	11.9	14.1	14.5	13.7	12.3	10.1	10.5	11.2	11.6	10.1	10.1		



Number of 24HR Exceedences	0		
Number of Non-Zero Readings	688		
Maximum 1-HR Average	16.2 UG/M3		
Maximum 24-HR Average	10.7 UG/M3		
		Opperational Time	720 HRS
Monthly Calibration	12	Opperational Uptime	100.0 %
Standard Deviation	3.044	Monthly Average	4.9 UG/M3

Lagoon PM_{10} ($\mu g/m^3$) – April 2020

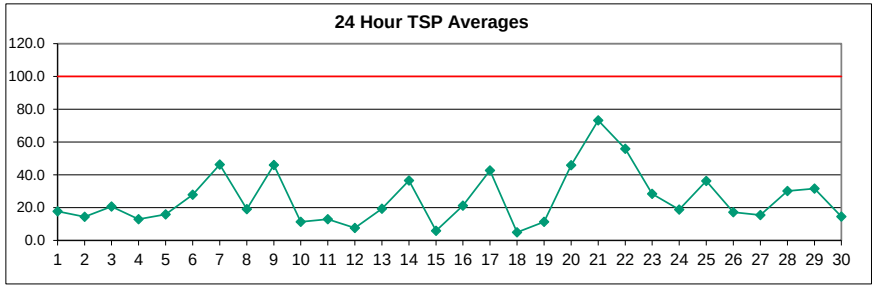
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	20.6	16.2	18.9	11.0	14.1	25.1	18.4	13.6	38.5	42.6	12.1	13.5	11.4	10.1	5.2	7.4	9.9	5.3	3.9	12.8	26.3	21.6	8.4	8.1	15.6	42.6
2	6.5	8.7	6.7	12.7	10.1	9.4	19.6	21.1	37.4	15.5	4.6	4.0	6.0	6.0	4.7	12.1	8.0	4.0	12.8	12.8	12.2	9.3	10.9	10.8	11.1	37.4
3	14.1	12.1	15.5	17.5	19.7	20.2	15.5	18.2	18.2	12.1	8.7	9.4	25.7	82.6	19.6	13.5	22.3	13.5	16.2	22.9	21.6	24.3	13.6	8.0	19.4	82.6
4	5.3	6.1	7.4	8.2	6.0	5.7	14.8	10.8	22.5	29.0	14.8	12.0	10.7	12.1	7.4	10.1	8.0	11.4	13.5	8.7	10.1	9.4	14.8	13.5	11.3	29.0
5	17.3	12.8	13.1	11.4	11.4	11.4	18.9	13.5	20.2	22.3	17.7	6.7	9.4	10.0	11.0	21.6	23.6	16.2	14.8	8.0	11.4	14.1	11.4	10.8	14.1	23.6
6	8.0	7.4	9.4	16.2	12.1	12.8	11.4	13.6	10.8	20.9	16.2	20.9	33.1	25.0	24.9	37.9	27.0	16.8	6.7	13.5	24.5	17.5	10.1	17.5	17.3	37.9
7	6.7	6.1	7.4	8.0	19.6	21.6	31.1	26.3	82.6	37.2	63.6	68.3	43.3	40.6	33.1	28.4	10.8	11.4	19.6	14.8	2.0	1.9	8.8	10.8	25.2	82.6
8	8.0	10.1	6.7	4.7	8.0	10.1	11.4	34.5	28.4	28.4	16.8	11.4	13.5	10.1	17.5	5.3	8.0	10.1	6.0	22.3	8.7	7.3	10.8	12.8	12.9	34.5
9	20.2	14.1	8.0	15.7	19.6	10.1	9.4	20.9	55.5	46.7	37.2	37.9	25.0	29.7	39.9	55.4	60.2	54.8	26.3	10.1	14.1	16.2	4.7	21.6	27.2	60.2
10	25.0	9.4	10.1	18.9	8.7	17.8	7.4	6.7	6.7	7.4	5.3	9.4	8.8	4.7	5.3	9.4	4.6	8.0	8.3	6.0	6.0	8.7	6.0	4.7	8.9	25.0
11	4.7	3.3	9.4	4.7	0.7	16.2	10.1	10.1	6.1	13.5	9.4	14.8	15.5	31.1	11.4	6.7	5.3	6.1	4.0	2.6	4.7	7.4	4.7	11.4	8.9	31.1
12	12.1	9.4	6.0	5.3	4.7	8.7	7.4	8.0	6.0	3.3	4.0	6.0	9.4	4.7	2.6	2.6	1.9	1.9	5.3	4.7	3.4	4.7	5.3	4.7	5.5	12.1
13	4.0	6.7	5.3	8.0	6.7	9.4	11.5	33.1	33.1	30.4	16.8	46.7	1.3	5.3	7.4	5.3	4.0	2.6	3.3	13.5	10.1	6.0	8.0	9.4	12.0	46.7
14	8.7	7.4	6.0	4.7	6.7	16.2	17.5	41.5	39.9	62.9	44.6	59.5	36.4	6.7	8.0	39.2	15.5	16.2	7.4	9.4	7.4	4.0	2.6	2.6	19.6	62.9
15	2.6	1.3	5.3	6.6	5.3	4.7	4.0	3.3	2.6	4.6	17.5	0.6	5.6	12.1	18.2	14.1	8.0	4.6	5.3	9.4	4.6	0.6	1.3	5.3	6.2	18.2
16	7.4	5.3	7.9	4.6	7.4	5.6	10.1	12.1	27.0	27.7	28.4	13.5	13.1	24.3	20.2	11.4	11.4	8.0	4.6	20.9	42.6	12.1	10.8	7.2	14.3	42.6
17	6.7	4.7	3.3	4.7	12.8	11.4	7.4	17.5	24.3	40.6	46.7	81.2	63.6	87.3	48.7	41.2	27.0	6.7	5.3	11.4	7.4	4.0	1.3	2.6	23.6	87.3
18	4.7	4.7	5.3	6.7	4.0	10.8	6.0	1.9	1.9	0.8	1.9	1.9	0.6	1.9	1.9	1.9	1.9	1.9	7.4	10.1	6.7	3.3	9.4	8.7	4.4	10.8
19	9.4	8.7	6.0	6.7	9.4	5.3	3.3	9.4	13.5	7.4	8.7	4.6	12.8	10.1	6.0	5.3	7.2	6.7	3.3	3.3	12.1	11.4	9.4	6.7	7.8	13.5
20	3.3	3.3	1.3	5.3	4.7	4.7	8.0	7.4	18.9	24.3	27.7	19.6	88.6	64.2	52.1	40.5	22.3	63.6	16.2	32.4	31.8	26.3	16.9	4.0	24.5	88.6
21	3.3	8.0	10.8	8.7	5.3	4.7	6.0	22.9	31.1	41.9	64.3	92.7	110.9	96.1	56.8	132.6	123.2	68.3	19.5	10.1	21.2	20.2	14.1	8.0	40.9	132.6
22	5.3	4.7	5.3	4.6	8.0	5.3	8.0	26.3	72.4	88.0	41.9	26.3	51.4	72.4	73.1	30.4	79.7	24.6	13.5	14.8	6.0	38.5	51.4	13.5	31.9	88.0
23	7.4	4.7	16.2	10.1	8.7	11.4	9.4	9.4	53.4	30.4	19.6	19.6	29.1	34.5	37.8	24.8	51.4	9.4	7.4	20.2	3.3	0.6	7.4	5.3	18.0	53.4
24	3.3	11.4	10.1	7.4	6.0	5.3	4.0	8.0	14.1	12.8	C	C	C	26.3	8.7	6.7	11.4	12.1	11.1	7.3	18.9	7.4	14.1	10.8	10.3	26.3
25	7.4	12.8	8.7	7.4	8.0	5.3	1.9	2.6	7.4	14.1	38.5	33.1	13.5	35.8	20.9	29.7	167.2	54.1	27.7	12.8	18.2	8.7	5.3	3.4	22.7	167.2
26	4.0	2.6	6.0	12.8	6.0	1.9	1.3	0.0	0.0	14.7	17.5	20.9	14.1	14.8	15.5	21.6	20.2	13.5	11.5	12.8	12.8	9.4	5.8	4.7	10.2	21.6
27	15.5	12.1	7.0	6.7	6.7	17.5	10.8	9.4	12.8	18.2	20.2	30.4	14.1	6.7	0.6	0.0	3.3	10.8	12.8	12.1	9.4	5.3	10.8	5.3	10.8	30.4
28	17.4	13.5	11.4	8.0	4.0	1.9	2.6	4.0	19.9	9.4	15.5	4.0	7.4	15.5	31.7	24.3	31.7	31.1	16.2	43.3	46.0	29.1	16.8	22.9	17.8	46.0
29	12.8	8.0	5.3	5.3	13.5	10.1	13.4	18.2	58.2	87.3	41.2	9.4	21.3	22.3	48.0	19.5	22.9	22.3	14.1	8.0	5.3	8.9	11.4	10.8	20.7	87.3
30	6.0	3.3	3.3	6.0	8.0	8.0	9.4	8.0	10.8	36.5	12.1	7.4	6.0	6.7	7.4	6.0	21.4	13.5	7.4	10.7	17.7	1.9	4.7	21.9	10.2	36.5
NO.	30	30	30	30	30	30	30	30	30	30	29	29	29	30	30	30	30	30	30	30	30	30	30	30	717	100%
MEAN	9.3	8.0	8.1	8.6	8.9	10.3	10.3	14.4	25.8	27.7	23.2	23.6	24.2	27.0	21.5	22.2	27.3	17.6	11.0	13.4	14.2	11.3	10.4	9.6		
MAX	25.0	16.2	18.9	18.9	19.7	25.1	31.1	41.5	82.6	88.0	64.3	92.7	110.9	96.1	73.1	132.6	167.2	68.3	27.7	43.3	46.0	38.5	51.4	22.9		



Number of Non-Zero Readings	714		
Maximum 1-HR Average	167.2 UG/M3		
Maximum 24-HR Average	40.9 UG/M3		
		Opperational Time	720 HRS
Monthly Calibration	3	Opperational Uptime	100.0 %
Standard Deviation	17.8	Monthly Average	16.1 UG/M3

Lagoon TSP (µg/m^3) – April 2020

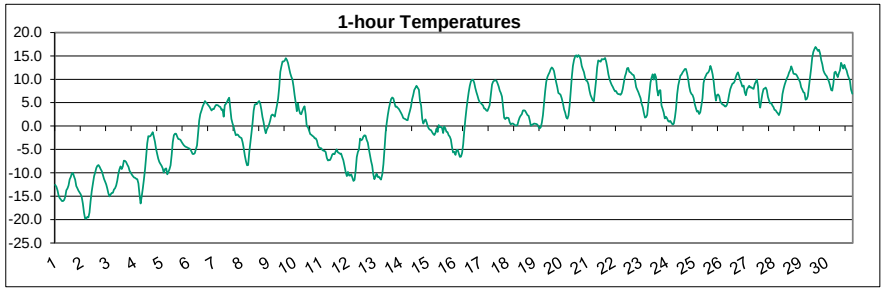
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	25.1	27.9	19.6	9.7	15.4	15.4	12.7	22.3	51.4	38.9	12.6	8.5	15.4	18.2	5.7	18.2	18.2	5.7	18.2	18.2	20.9	12.7	9.9	7.1	17.8	51.4
2	5.7	19.6	5.7	22.3	14.0	5.7	23.7	37.5	58.3	19.6	7.1	12.6	7.1	7.1	5.7	12.7	12.7	14.0	15.4	4.4	9.9	7.1	3.0	14.0	14.4	58.3
3	23.7	16.8	25.1	23.7	20.9	27.2	4.4	22.3	25.1	20.9	9.7	8.5	30.6	69.4	16.8	16.8	29.2	11.3	23.7	26.5	14.0	19.6	5.7	4.4	20.7	69.4
4	4.4	11.3	8.5	9.5	8.5	7.1	4.9	14.0	30.6	40.3	18.3	9.9	9.8	14.0	12.7	12.7	7.1	14.0	15.4	7.6	7.1	11.3	12.6	18.2	12.9	40.3
5	18.2	20.9	12.7	14.0	19.6	20.3	20.3	11.3	25.1	23.7	15.4	9.9	16.8	15.4	10.1	23.7	18.2	20.5	19.6	3.0	5.7	9.9	12.3	15.4	15.9	25.1
6	11.3	11.3	8.5	11.3	16.8	16.8	18.2	16.8	18.2	29.2	19.6	39.6	72.1	43.1	50.8	72.1	47.2	15.4	7.1	27.4	34.8	30.6	22.3	29.2	27.9	72.1
7	9.9	12.7	5.7	8.5	35.5	47.2	66.5	56.6	188.2	80.4	120.4	101.1	72.1	77.6	64.0	51.3	15.4	8.5	25.1	22.3	7.5	5.7	14.0	15.4	46.3	188.2
8	8.5	12.6	9.9	4.4	3.0	5.7	18.2	59.7	30.6	40.3	19.6	23.8	30.6	14.0	38.9	12.7	14.0	14.0	0.0	37.5	9.9	4.4	22.3	22.6	19.0	59.7
9	22.3	16.8	12.6	26.5	48.6	15.4	12.7	50.0	95.6	87.3	58.3	51.3	45.8	44.4	83.1	101.1	113.5	95.5	32.0	18.4	15.4	15.4	3.0	39.9	46.0	113.5
10	26.5	15.4	22.3	22.3	14.0	14.0	11.3	7.6	14.0	15.4	7.1	22.7	4.4	5.7	0.2	0.0	1.6	9.8	7.1	5.3	11.3	12.7	12.7	8.5	11.3	26.5
11	5.7	9.9	5.7	4.4	4.4	1.6	14.0	15.4	11.3	15.4	12.6	11.3	15.4	18.2	12.6	32.0	31.3	16.8	14.0	11.3	11.3	12.7	10.0	15.4	13.0	32.0
12	12.6	14.0	5.7	5.7	5.7	5.7	4.4	7.1	9.9	5.7	5.7	15.4	14.0	5.7	8.5	7.1	7.1	7.1	8.5	7.1	3.0	3.0	8.5	7.0	7.7	15.4
13	3.0	15.4	8.5	12.7	5.7	11.3	12.7	48.6	54.1	48.6	37.5	88.7	4.4	4.4	19.6	4.4	3.0	5.7	7.1	25.1	12.7	14.0	8.5	9.9	19.4	88.7
14	19.6	15.4	11.3	12.7	16.8	25.1	37.5	92.8	83.1	114.9	73.5	110.8	61.0	14.0	20.9	62.4	26.5	36.1	14.0	11.3	7.6	5.7	1.6	4.4	36.6	114.9
15	8.5	8.5	10.3	5.7	9.9	5.7	3.0	7.1	5.7	4.4	5.7	1.6	8.5	5.7	14.0	4.4	1.6	3.0	4.4	7.1	7.1	3.0	0.6	7.1	5.9	14.0
16	4.4	1.6	3.0	8.5	9.9	9.9	11.3	15.4	41.7	34.8	47.9	14.0	18.2	53.4	34.7	16.8	18.2	7.1	5.7	40.3	73.5	22.3	9.9	7.1	21.2	73.5
17	9.9	18.2	8.5	8.5	30.6	19.6	8.5	45.8	43.1	83.2	79.0	145.3	110.8	138.4	95.6	72.1	43.1	14.0	7.8	15.4	9.9	7.7	7.1	1.6	42.6	145.3
18	0.2	5.7	7.1	5.7	4.4	14.0	3.1	4.4	1.6	7.1	4.4	0.0	0.0	0.2	7.1	4.4	3.0	10.5	9.9	5.7	7.1	5.7	4.4	3.0	4.9	14.0
19	11.3	25.1	7.1	4.4	4.4	12.9	7.1	9.9	20.9	3.0	9.9	7.1	27.9	12.6	14.0	3.7	19.5	16.8	1.6	5.6	22.3	8.5	8.5	9.9	11.4	27.9
20	5.7	8.5	9.9	7.1	4.4	4.4	8.5	18.2	22.3	48.6	51.3	29.2	190.9	130.1	109.3	72.0	36.1	128.7	26.5	63.8	40.3	52.7	25.1	7.1	45.9	190.9
21	8.0	21.0	20.9	7.1	5.7	7.1	12.8	35.3	54.1	87.3	149.4	195.0	196.4	153.6	106.6	219.9	210.2	116.3	38.9	16.8	38.9	32.0	15.4	8.5	73.2	219.9
22	7.1	5.7	5.7	4.4	16.8	7.8	18.2	58.3	135.1	144.0	64.1	43.1	81.2	148.0	135.6	51.3	124.5	43.0	23.0	20.9	5.7	80.4	92.8	26.5	56.0	148.0
23	9.9	11.3	22.3	12.8	19.6	12.6	12.7	18.2	80.4	47.2	36.1	38.9	53.9	48.6	76.2	45.8	40.3	16.1	8.5	37.5	7.1	5.3	12.7	7.1	28.4	80.4
24	8.5	14.0	11.3	7.1	4.4	12.7	15.4	14.0	23.7	18.4	C	C	C	47.2	16.9	12.6	27.8	34.7	25.1	7.1	30.6	22.3	19.6	20.9	18.8	47.2
25	4.4	20.9	12.7	12.7	9.9	5.7	8.5	7.1	11.3	32.0	58.3	55.5	19.5	61.0	36.1	47.2	286.2	91.7	44.4	8.5	15.4	9.9	7.1	4.4	36.3	286.2
26	7.7	7.1	7.1	8.5	4.4	0.0	0.0	5.7	8.5	19.6	36.1	38.9	26.5	20.8	29.2	32.0	43.0	33.5	25.1	18.1	16.8	12.6	5.7	7.1	17.3	43.0
27	19.6	20.9	5.7	7.1	8.5	20.9	9.9	14.0	22.8	32.0	29.2	50.0	25.1	0.2	0.2	1.6	5.7	15.4	20.9	25.1	11.3	8.5	11.3	7.5	15.6	50.0
28	22.5	23.7	18.1	12.7	5.7	0.2	0.0	8.5	32.0	12.6	30.6	9.9	20.9	27.8	54.1	37.7	51.3	47.2	30.6	77.6	81.8	56.9	33.4	29.2	30.2	81.8
29	19.6	16.8	3.0	7.1	18.2	16.8	12.6	19.6	90.0	139.8	64.2	22.3	34.7	37.5	70.7	37.5	29.2	36.1	20.9	9.9	8.5	8.5	15.4	19.6	31.6	139.8
30	16.8	5.7	5.7	9.9	11.3	7.1	7.9	16.8	20.9	54.3	19.6	0.0	9.9	8.5	18.2	9.9	16.8	11.2	8.5	10.9	22.3	4.4	0.9	52.0	14.6	54.3
NO.	30	30	30	30	30	30	30	30	30	30	29	29	29	30	30	30	30	30	30	30	30	30	30	30	717	100%
MEAN	12.0	14.5	10.7	10.6	13.2	12.5	13.4	25.3	43.6	45.0	38.0	40.2	42.2	41.5	38.9	36.5	43.4	30.0	17.0	19.9	19.0	16.8	13.9	14.3		
MAX	26.5	27.9	25.1	26.5	48.6	47.2	66.5	92.8	188.2	144.0	149.4	195.0	196.4	153.6	135.6	219.9	286.2	128.7	44.4	77.6	81.8	80.4	92.8	52.0		



Number of 24HR Exceedences	0		
Number of Non-Zero Readings	709		
Maximum 1-HR Average	286.2 UG/M3		
Maximum 24-HR Average	73.2 UG/M3		
		Opperational Time	720 HRS
Monthly Calibration	3	Opperational Uptime	100.0 %
Standard Deviation	32.4	Monthly Average	25.5 UG/M3

Lagoon Temperature (°C) – April 2020

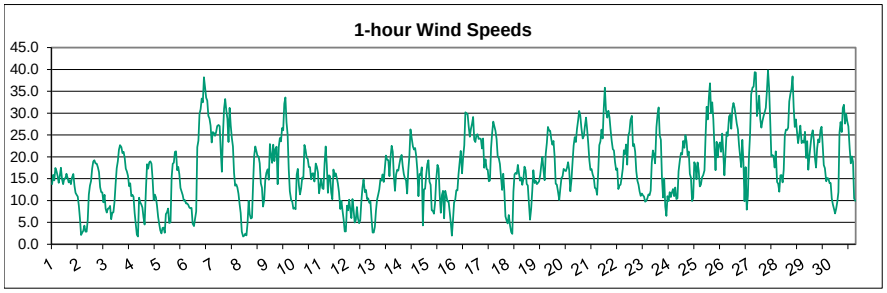
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	-12.5	-13.0	-13.8	-14.9	-15.4	-15.7	-16.1	-16.0	-15.8	-15.1	-13.7	-13.4	-12.7	-11.4	-10.9	-10.1	-10.1	-10.8	-11.5	-12.9	-13.3	-13.8	-14.2	-14.6	-13.4	-10.1
2	-15.2	-16.6	-18.5	-19.8	-19.8	-19.4	-19.5	-18.5	-16.1	-14.0	-12.2	-10.7	-9.9	-8.9	-8.5	-8.3	-8.7	-9.2	-9.7	-10.5	-11.3	-11.9	-12.5	-13.4	-13.5	-8.3
3	-14.4	-15.1	-14.6	-14.3	-14.3	-13.6	-13.3	-12.8	-11.7	-10.2	-9.2	-8.6	-9.2	-8.7	-7.4	-7.4	-7.7	-8.2	-8.7	-9.6	-9.9	-10.4	-10.7	-11.0	-10.9	-7.4
4	-11.1	-11.3	-11.4	-12.3	-14.6	-16.6	-15.0	-13.4	-11.4	-9.3	-6.6	-3.7	-2.1	-2.3	-2.1	-1.7	-1.3	-2.3	-3.4	-4.8	-5.9	-7.0	-7.7	-8.1	-7.7	-1.3
5	-8.5	-9.0	-9.9	-9.2	-9.1	-10.3	-9.8	-9.2	-8.4	-6.2	-3.4	-1.9	-1.7	-1.6	-2.3	-2.8	-2.8	-2.9	-3.4	-3.8	-4.1	-4.4	-4.5	-4.6	-5.6	-1.6
6	-4.7	-4.8	-5.0	-5.5	-6.0	-6.0	-5.8	-4.9	-4.1	-1.5	1.2	2.6	3.4	4.2	4.7	5.4	5.0	4.8	4.4	4.2	3.7	3.3	3.7	3.6	0.3	5.4
7	4.1	4.5	4.5	4.4	4.2	4.1	3.5	3.6	2.0	4.4	4.7	5.2	5.7	6.0	3.7	1.5	0.6	-0.1	-1.1	-2.0	-1.8	-1.9	-2.3	-2.5	2.3	6.0
8	-2.6	-3.5	-4.7	-6.3	-7.5	-8.4	-8.4	-5.6	-3.6	-1.5	0.6	3.3	4.6	4.7	4.7	5.1	5.3	4.8	3.5	2.0	0.9	-0.6	-1.5	-0.7	-0.6	5.3
9	-0.3	0.3	1.1	2.2	2.5	2.3	2.0	3.3	4.4	5.9	8.3	11.6	12.8	13.8	13.8	14.0	14.5	14.2	13.5	12.4	11.3	10.6	10.0	8.5	8.0	14.5
10	6.6	5.0	3.2	4.8	3.5	2.7	2.5	3.2	3.8	4.2	2.6	0.0	-0.2	-0.9	-1.7	-1.9	-2.1	-2.2	-2.6	-2.6	-3.1	-4.1	-4.6	-4.7	0.5	6.6
11	-4.8	-5.1	-5.3	-5.3	-5.6	-6.8	-7.4	-7.3	-7.3	-6.7	-6.1	-5.9	-6.0	-5.4	-5.0	-5.6	-5.8	-6.0	-5.9	-6.7	-7.3	-8.4	-9.9	-10.7	-6.5	-4.8
12	-9.8	-10.6	-10.6	-10.3	-11.0	-11.7	-11.5	-9.5	-6.6	-5.5	-5.0	-2.7	-3.1	-2.9	-2.3	-2.0	-2.1	-3.0	-3.5	-4.9	-6.2	-7.5	-8.5	-10.3	-6.7	-2.0
13	-11.4	-10.7	-10.2	-10.9	-10.8	-11.2	-11.5	-10.3	-8.1	-4.9	-1.4	0.7	2.4	3.8	4.9	5.8	6.1	5.9	5.0	4.1	4.2	3.9	3.7	3.2	-2.0	6.1
14	2.8	2.3	1.7	1.6	1.5	1.3	1.3	2.3	3.2	4.1	5.7	6.6	7.7	8.2	8.6	8.2	7.7	5.3	4.3	1.6	0.5	1.1	1.4	0.8	3.7	8.6
15	0.0	-0.6	-0.8	-0.9	-1.3	-1.7	-1.9	-1.5	-0.6	-1.3	0.2	-0.3	-0.2	-0.4	-1.5	-0.1	-0.5	-1.2	-1.3	-2.0	-2.3	-2.9	-4.4	-5.6	-1.4	0.2
16	-5.5	-6.2	-5.1	-5.1	-5.9	-6.6	-6.6	-5.7	-3.9	-1.0	1.5	3.7	5.6	7.2	8.6	9.6	9.9	9.9	9.3	8.1	7.3	6.5	5.6	5.1	1.9	9.9
17	4.9	4.7	4.4	3.7	3.7	3.3	3.2	3.8	4.5	6.9	8.9	9.5	9.7	9.8	9.7	9.1	8.5	7.6	7.1	6.3	4.1	1.8	1.5	1.8	5.8	9.8
18	1.8	1.7	0.8	0.3	0.6	0.5	0.3	0.2	0.1	0.2	1.1	1.8	2.2	2.5	3.3	3.3	3.3	2.8	2.3	2.2	1.2	0.1	0.3	0.4	1.4	3.3
19	0.5	0.5	0.5	0.3	-0.2	-0.5	-0.3	0.7	2.3	4.9	7.4	9.5	10.5	11.0	11.5	12.1	12.5	12.3	11.8	10.5	9.4	8.3	7.1	6.9	6.2	12.5
20	6.7	6.0	4.8	3.6	2.8	1.9	1.6	2.3	4.3	7.4	10.5	12.9	14.1	14.9	15.1	14.8	15.2	14.9	14.3	12.8	12.2	11.6	10.4	9.8	9.4	15.2
21	9.6	9.0	7.6	6.6	6.1	5.5	5.3	7.5	9.7	12.5	14.1	13.9	13.8	14.3	14.3	14.4	14.6	13.8	12.5	11.1	10.0	9.4	8.8	8.4	10.5	14.6
22	7.8	7.5	7.5	7.0	6.8	6.8	6.7	7.0	7.9	9.3	10.6	11.3	12.3	12.5	11.6	11.5	11.2	11.0	10.9	9.8	8.3	7.8	7.3	6.6	9.0	12.5
23	5.9	4.7	4.0	2.8	1.8	1.9	2.4	4.7	7.0	9.3	10.4	11.1	9.9	11.1	10.4	7.8	6.5	7.6	7.7	4.4	3.7	2.9	1.6	2.0	5.9	11.1
24	1.7	1.1	0.9	1.1	0.6	0.3	0.5	1.8	3.7	6.8	8.6	9.7	10.8	11.0	11.5	11.8	12.2	12.2	11.3	10.1	8.4	7.3	6.9	6.6	6.5	12.2
25	6.0	4.7	3.8	3.1	3.2	2.6	3.0	4.3	5.9	9.2	10.2	10.7	11.2	11.5	11.9	12.9	12.2	11.1	9.4	7.1	5.4	6.6	6.8	6.4	7.5	12.9
26	5.3	4.9	4.6	4.6	4.2	4.2	4.5	5.4	6.7	7.9	8.5	9.1	9.2	9.6	10.4	11.1	11.5	10.8	9.9	9.2	8.4	8.7	7.2	6.6	7.6	11.5
27	7.8	8.2	8.6	8.2	8.3	8.0	7.9	8.9	9.5	9.9	8.6	5.2	3.9	5.5	6.9	7.9	8.0	8.2	7.7	6.3	5.5	4.8	5.0	4.4	7.2	9.9
28	4.1	3.5	3.4	3.0	2.7	2.3	3.1	4.5	6.8	8.0	8.8	9.6	10.2	10.7	11.5	11.9	12.8	12.1	11.2	11.1	11.1	10.8	10.4	9.9	8.1	12.8
29	9.4	8.3	7.8	7.3	7.1	5.7	5.8	6.4	8.3	10.3	12.3	14.6	15.8	16.4	16.9	16.5	16.1	16.3	15.5	14.1	13.2	11.9	11.3	10.9	11.6	16.9
30	10.6	10.1	9.5	8.7	7.7	7.6	9.1	11.4	11.6	11.0	10.5	11.3	11.9	13.5	13.0	12.3	13.1	12.4	11.9	11.0	10.3	9.7	7.9	6.9	10.5	13.5
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	-0.2	-0.7	-1.0	-1.4	-1.8	-2.3	-2.1	-1.1	0.1	1.8	3.3	4.2	4.8	5.3	5.5	5.6	5.5	5.1	4.4	3.3	2.5	1.8	1.2	0.8		
MAX	10.6	10.1	9.5	8.7	8.3	8.0	9.1	11.4	11.6	12.5	14.1	14.6	15.8	16.4	16.9	16.5	16.1	16.3	15.5	14.1	13.2	11.9	11.3	10.9		



Number of Non-Zero Readings	720		
Maximum 1-HR Average	16.9 C		
Maximum 24-HR Average	11.6 C		
		Opperational Time	720 HRS
Monthly Calibration	0	Opperational Uptime	100.0 %
Standard Deviation	8.092	Monthly Average	1.9 C

Lagoon Wind Speed (km/hr) – April 2020

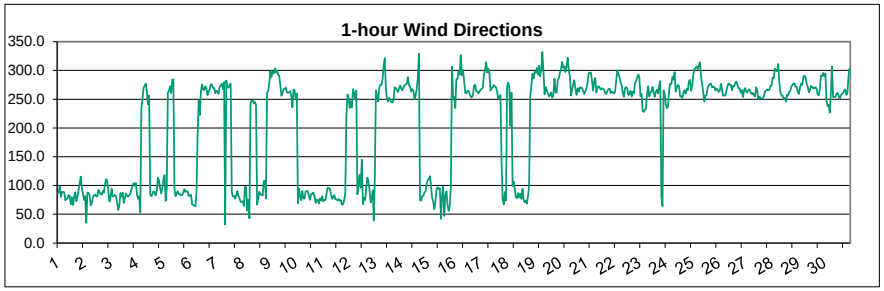
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	13.7	15.8	14.6	17.4	16.7	15.6	14.1	15.7	17.5	14.9	13.7	15.0	15.0	16.1	15.2	14.1	14.7	13.8	15.2	16.1	13.5	11.7	11.3	10.9	14.7	17.5
2	8.7	5.8	2.1	2.6	3.1	4.3	2.9	2.9	5.5	11.4	13.4	14.5	17.3	18.9	19.2	18.5	18.4	17.6	16.5	13.1	11.9	11.9	9.6	11.3	10.9	19.2
3	8.1	7.2	8.2	8.2	8.7	5.7	7.2	7.3	9.7	13.8	17.4	19.0	21.6	22.6	22.2	20.9	21.1	19.8	17.3	16.6	15.6	13.3	13.9	11.0	14.0	22.6
4	11.3	10.9	7.2	4.7	2.2	1.8	10.6	9.6	9.1	8.4	6.1	4.5	12.6	18.3	17.3	18.7	18.9	18.4	15.0	10.1	11.3	10.8	8.8	6.3	10.5	18.9
5	4.6	3.1	2.5	3.7	3.8	2.6	6.9	7.3	8.1	4.8	5.0	15.2	18.4	18.7	21.2	21.2	16.9	17.7	16.0	12.9	12.1	11.3	10.0	10.1	10.6	21.2
6	9.3	9.3	9.0	8.4	8.2	8.3	4.7	4.2	5.9	7.5	22.2	23.7	29.8	30.9	33.3	32.5	38.2	35.9	33.5	32.9	29.4	28.8	27.2	23.3	20.7	38.2
7	25.7	25.5	24.8	25.7	27.0	27.3	27.0	21.4	16.6	25.3	31.0	33.2	30.6	28.7	23.4	31.2	27.2	24.4	22.4	16.3	13.4	13.7	13.0	11.6	23.6	33.2
8	9.2	7.1	2.9	1.8	1.9	2.4	2.0	4.8	9.9	6.8	5.9	6.1	13.7	20.3	22.4	21.3	20.2	20.1	18.5	14.0	12.9	8.6	10.1	14.6	10.7	22.4
9	16.3	17.1	14.8	22.9	20.4	18.6	22.8	19.0	21.8	22.3	13.8	22.3	24.3	23.5	26.6	26.1	32.2	33.6	27.9	25.1	17.2	12.1	10.1	9.7	20.9	33.6
10	8.1	8.4	8.0	15.9	17.3	13.4	11.4	12.8	15.3	14.9	22.7	21.6	19.8	19.5	17.6	17.6	14.8	16.2	16.2	14.3	18.4	17.7	16.4	11.7	15.4	22.7
11	13.4	15.0	12.8	12.6	18.5	22.4	18.1	11.7	15.8	15.5	11.8	10.3	17.1	15.5	16.2	15.3	13.9	11.9	8.1	9.9	7.7	5.7	2.9	2.9	12.7	22.4
12	8.8	7.8	10.2	7.9	6.0	10.3	7.8	4.9	5.5	8.5	5.8	4.8	5.5	9.7	12.9	14.8	11.9	12.4	10.4	10.5	9.5	9.8	5.9	2.7	8.5	14.8
13	2.7	4.0	7.6	10.2	11.3	12.5	14.8	14.5	16.0	14.3	17.3	20.3	19.4	19.2	15.6	20.0	22.5	21.1	15.6	12.2	16.0	17.1	16.9	18.4	15.0	22.5
14	19.8	20.5	17.9	16.0	15.0	14.6	11.6	16.8	20.1	26.3	24.5	22.4	21.6	22.0	20.1	16.9	11.0	16.1	15.8	17.6	4.3	12.5	12.7	15.8	17.2	26.3
15	18.3	19.2	14.3	13.6	7.8	7.6	7.0	9.4	14.6	18.2	17.3	11.2	7.2	11.3	12.2	5.9	12.2	11.1	9.8	9.9	7.4	5.0	2.0	5.4	10.7	19.2
16	9.6	10.1	12.3	12.3	16.0	18.7	21.4	16.2	20.0	22.6	30.2	29.9	29.8	26.9	24.6	26.4	27.5	29.1	23.9	23.4	25.0	25.2	24.1	24.2	22.1	30.2
17	24.1	21.9	24.2	17.5	19.4	17.2	17.1	14.4	14.6	22.0	25.5	28.0	27.0	25.9	24.1	20.1	19.7	18.4	15.3	12.4	16.1	12.1	6.4	5.5	18.7	28.0
18	4.8	6.7	4.2	2.8	2.4	12.0	16.0	16.3	16.1	18.2	16.2	14.6	15.2	13.6	14.9	17.7	16.9	13.8	13.4	9.4	5.6	8.0	12.1	16.9	12.0	18.2
19	14.0	14.5	13.7	14.0	14.4	15.8	18.2	20.0	16.9	14.6	20.7	23.2	26.8	26.0	26.0	24.0	22.8	23.7	20.1	13.8	13.7	12.2	10.1	12.8	18.0	26.8
20	15.1	15.5	17.2	16.9	16.7	17.5	18.8	16.9	12.1	14.5	18.7	22.6	24.5	23.4	26.3	28.3	30.5	29.5	26.6	24.2	24.8	27.0	29.0	26.3	21.8	30.5
21	23.1	19.2	17.0	17.2	16.0	15.3	12.9	12.7	11.3	16.5	22.7	23.5	26.2	24.2	31.0	35.8	30.7	29.0	30.5	29.1	26.1	23.6	21.8	21.5	22.4	35.8
22	18.8	17.0	17.3	12.6	13.4	13.6	15.3	17.3	21.5	20.6	22.8	18.2	24.8	25.7	28.4	29.4	22.5	22.9	21.1	16.7	14.5	13.6	12.0	11.1	18.8	29.4
23	11.6	11.2	10.9	9.8	9.9	10.5	11.4	11.2	12.2	18.7	21.4	20.4	18.5	26.8	29.6	31.3	24.9	23.9	15.2	10.7	15.1	8.6	6.5	11.0	15.9	31.3
24	9.9	11.9	10.8	11.9	12.6	11.0	13.0	10.4	10.5	16.7	19.3	20.9	20.6	23.7	22.0	25.0	23.5	20.3	21.2	16.0	15.2	9.9	10.6	18.8	16.1	25.0
25	18.2	14.9	18.7	16.8	13.2	13.7	15.3	15.8	16.9	24.7	31.4	28.6	33.7	36.9	30.0	32.5	28.6	22.3	16.9	23.4	19.9	22.7	23.3	21.2	22.5	36.9
26	25.3	20.8	15.8	20.7	25.6	24.8	29.2	29.6	26.4	31.0	32.3	31.3	29.4	27.6	26.3	22.7	20.1	17.6	23.9	18.7	9.8	17.6	7.9	11.1	22.7	32.3
27	20.1	25.2	34.3	35.8	36.1	39.4	39.3	29.3	31.2	34.0	28.7	26.7	28.2	29.3	30.2	31.2	35.0	39.8	35.7	28.3	20.2	20.4	20.2	17.5	29.8	39.8
28	21.2	14.2	13.9	12.0	15.8	15.8	14.2	17.0	25.0	26.2	26.1	26.7	32.7	34.3	35.6	38.4	31.3	26.9	28.6	25.7	23.1	25.1	27.2	23.1	24.2	38.4
29	23.7	23.2	25.7	19.7	23.6	17.0	20.1	22.6	25.0	26.1	23.9	19.7	17.5	21.9	24.0	23.3	26.1	26.9	22.7	18.1	17.4	14.4	15.2	15.0	21.4	26.9
30	14.0	14.0	10.5	9.1	8.1	7.0	8.1	9.7	11.9	25.6	28.0	25.7	31.2	31.9	27.6	29.8	28.2	27.0	21.9	18.5	20.1	18.9	10.5	9.9	18.6	31.9
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	14.4	13.9	13.4	13.4	13.7	13.9	14.6	14.1	15.4	18.2	19.9	20.1	22.0	23.1	23.2	23.7	22.7	22.0	19.8	17.3	15.6	15.0	13.6	13.7		
MAX	25.7	25.5	34.3	35.8	36.1	39.4	39.3	29.6	31.2	34.0	32.3	33.2	33.7	36.9	35.6	38.4	38.2	39.8	35.7	32.9	29.4	28.8	29.0	26.3		



Number of Non-Zero Readings	720		
Maximum 1-HR Average	39.8 KM/HR		
Maximum 24-HR Average	29.8 KM/HR		
		Opperational Time	720 HRS
Monthly Calibration	0	Opperational Uptime	100.0 %
Standard Deviation	7.885	Monthly Average	17.4 KM/HR

Lagoon Wind Direction (°) – April 2020

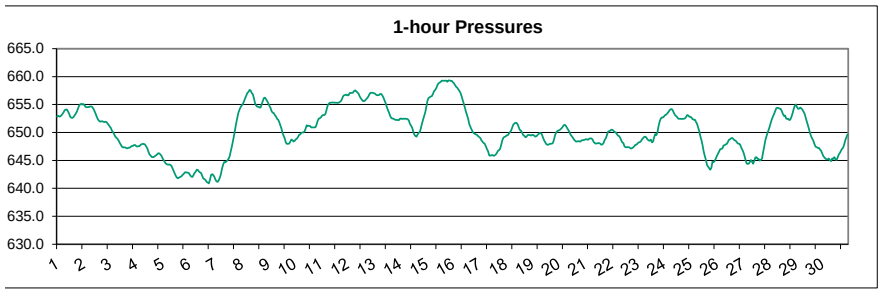
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	86.0	87.9	98.4	80.3	88.5	89.0	88.0	74.3	76.8	77.3	83.4	81.2	67.6	79.2	66.0	81.4	88.2	72.8	80.4	92.6	102.5	115.3	96.2	84.7	84.3	115.3
2	74.9	81.7	35.2	87.3	87.0	83.6	65.4	69.1	78.4	83.1	84.1	81.4	81.1	92.6	88.5	84.7	83.8	90.1	87.8	102.5	111.0	106.8	90.1	72.2	87.0	111.0
3	79.4	94.0	80.7	81.9	83.5	80.5	69.9	57.5	65.6	87.1	80.4	87.2	69.8	78.2	85.8	82.1	81.0	83.4	86.0	93.4	99.0	104.0	99.7	104.4	84.5	104.4
4	83.9	77.2	81.3	53.1	235.0	250.3	270.1	273.8	277.3	262.0	241.1	256.3	85.0	81.1	85.2	90.3	87.1	82.7	91.3	113.6	108.5	95.0	86.3	96.7	89.3	277.3
5	110.1	118.1	73.3	95.0	261.0	264.5	272.5	260.8	283.7	284.7	94.4	81.1	86.4	89.9	84.6	85.1	82.7	83.5	87.1	93.7	89.0	89.7	89.9	81.2	86.4	284.7
6	82.7	84.0	67.0	65.8	65.0	64.1	88.9	188.7	247.7	222.7	262.9	276.0	267.0	265.9	272.5	269.6	257.3	263.0	267.7	276.1	275.2	269.7	269.3	260.1	268.4	276.1
7	264.9	263.4	259.5	271.3	273.8	277.2	267.7	279.7	32.3	282.6	271.8	269.9	274.9	277.0	88.9	81.0	82.2	76.9	82.4	90.4	81.5	77.8	71.7	71.2	290.3	282.6
8	72.5	64.2	98.2	96.8	56.5	74.9	42.9	242.8	247.1	248.3	242.7	245.4	240.3	66.8	77.0	89.1	84.6	84.2	82.5	107.5	108.5	77.3	261.0	264.3	91.0	264.3
9	277.3	299.1	288.6	297.8	294.8	303.5	296.2	300.1	293.0	291.0	276.2	255.9	260.6	267.0	268.3	270.1	262.0	261.1	262.3	264.2	255.5	236.1	266.8	265.4	275.1	303.5
10	249.5	260.0	69.0	94.3	81.0	74.5	90.4	77.3	77.2	88.8	91.0	90.1	81.4	75.1	85.0	84.9	87.7	81.5	69.7	74.8	75.6	68.7	77.4	73.8	81.2	260.0
11	81.1	72.5	74.9	74.7	85.6	96.1	95.6	94.8	84.6	76.8	80.1	83.4	75.9	75.8	73.9	76.4	73.7	74.3	66.2	67.3	74.4	86.5	221.6	258.5	80.6	258.5
12	252.0	234.9	246.3	235.9	267.5	259.7	249.3	265.2	84.5	100.7	118.7	96.0	144.6	67.6	78.7	74.7	95.0	113.4	107.9	91.2	70.4	78.0	91.6	39.1	106.7	267.5
13	116.1	265.5	256.2	245.9	269.7	274.7	274.7	284.7	307.7	321.4	268.3	251.4	245.9	252.6	248.0	244.8	244.3	248.4	270.6	269.5	266.3	262.4	269.3	273.5	263.9	321.4
14	268.2	265.6	271.1	274.0	275.6	276.8	288.1	274.6	272.6	263.5	267.4	264.3	249.8	255.8	268.1	287.5	329.1	74.4	73.4	81.4	81.5	87.2	89.8	102.6	273.3	329.1
15	109.2	111.6	116.4	98.8	78.1	71.6	58.7	72.5	93.4	97.1	93.7	95.3	42.0	81.8	98.6	47.2	82.6	89.9	65.4	55.8	65.1	96.7	306.9	254.1	88.4	306.9
16	253.9	234.9	284.3	285.3	298.2	292.8	326.6	291.6	300.5	283.0	261.0	260.0	264.4	264.8	258.6	254.6	253.2	256.7	273.2	275.2	264.1	263.8	260.2	263.4	270.1	326.6
17	266.9	267.5	270.4	292.6	301.7	314.2	296.4	303.3	294.2	265.2	269.2	270.4	275.0	271.9	270.4	262.1	250.8	253.9	257.3	140.4	75.0	67.0	88.7	74.1	275.7	314.2
18	271.6	279.2	271.2	204.0	261.3	99.0	106.7	93.5	79.1	78.2	87.1	78.8	85.3	76.5	94.3	75.1	70.9	73.8	68.6	81.4	101.8	256.5	273.1	294.2	80.2	294.2
19	286.1	297.0	296.5	304.3	292.4	308.1	290.0	301.4	332.2	298.1	258.8	270.9	265.7	260.5	254.9	257.1	262.0	252.9	256.8	286.0	262.2	261.0	283.4	287.0	276.8	332.2
20	296.2	303.4	314.9	304.3	307.1	297.2	307.8	322.1	299.8	290.2	256.6	266.3	276.7	282.9	268.4	257.6	269.2	263.5	270.9	268.9	270.0	264.4	258.6	263.2	278.3	322.1
21	269.3	278.4	295.1	295.8	296.2	282.4	265.1	281.5	286.8	261.8	270.4	272.4	269.7	266.7	269.1	267.8	266.8	260.5	258.8	265.0	267.6	268.2	260.8	262.4	270.5	296.2
22	262.4	259.9	263.4	282.4	300.2	293.8	287.7	279.0	274.0	260.8	254.3	268.9	270.9	269.3	257.3	259.6	264.4	254.7	263.1	260.0	276.7	281.6	286.7	292.8	269.2	300.2
23	288.8	255.2	259.4	229.4	227.8	231.3	233.8	260.0	272.4	254.9	261.8	263.4	271.5	261.2	254.1	263.4	266.4	260.2	274.0	281.4	81.4	63.9	265.1	259.4	260.5	288.8
24	241.5	234.4	237.9	265.5	277.2	276.4	288.5	284.2	297.0	263.3	270.1	274.9	272.8	255.4	255.4	252.3	261.2	265.5	259.5	268.2	265.7	281.4	283.7	264.6	265.4	297.0
25	274.2	293.1	301.7	304.5	307.2	302.7	308.9	313.9	288.9	275.3	262.0	245.9	256.5	257.1	269.8	274.1	276.4	277.1	270.8	271.9	271.2	265.1	268.6	266.4	274.9	313.9
26	262.7	265.0	276.7	267.0	255.8	256.2	256.2	264.5	273.1	277.4	275.2	275.6	265.6	273.4	272.2	278.3	280.6	274.9	268.8	269.0	261.4	265.8	253.9	265.3	268.7	280.6
27	269.4	262.9	261.9	266.5	266.9	261.4	259.2	260.8	256.4	254.7	270.9	263.9	250.3	254.3	251.8	250.6	251.8	254.8	263.7	265.1	266.6	265.6	266.2	273.6	260.5	273.6
28	273.8	287.3	287.1	303.1	299.7	298.5	311.5	278.2	262.4	256.3	256.0	249.8	252.6	245.6	257.7	256.5	263.1	264.5	271.6	274.6	276.7	277.7	271.9	271.2	268.2	311.5
29	263.0	258.9	271.1	277.7	274.9	288.6	290.9	287.6	276.9	271.8	262.2	266.2	273.1	271.8	268.8	269.2	271.1	268.6	258.0	256.8	268.3	290.9	290.6	295.6	272.8	295.6
30	289.8	294.8	248.0	237.9	240.5	226.4	262.0	307.1	253.6	253.5	253.8	258.7	261.0	256.5	250.0	256.8	259.2	260.6	265.2	267.0	257.5	260.1	291.2	303.8	261.3	307.1
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	209.2	215.1	208.5	209.1	223.6	219.0	220.3	231.5	219.0	221.1	210.9	210.0	202.8	195.8	190.7	189.5	192.9	184.1	185.4	186.8	177.7	182.8	209.7	208.0		
MAX	296.2	303.4	314.9	304.5	307.2	314.2	326.6	322.1	332.2	321.4	276.2	276.0	276.7	282.9	272.5	287.5	329.1	277.1	274.0	286.0	276.7	290.9	306.9	303.8		



Number of Non-Zero Readings	720		
Maximum 1-HR Average	332 degrees		
Maximum 24-HR Average	290 degrees		
		Opperational Time	720 HRS
Monthly Calibration	0	Opperational Uptime	100.0 %
Standard Deviation	90.56	Monthly Average	204.3 degrees

Lagoon Pressure (mmHg) – April 2020

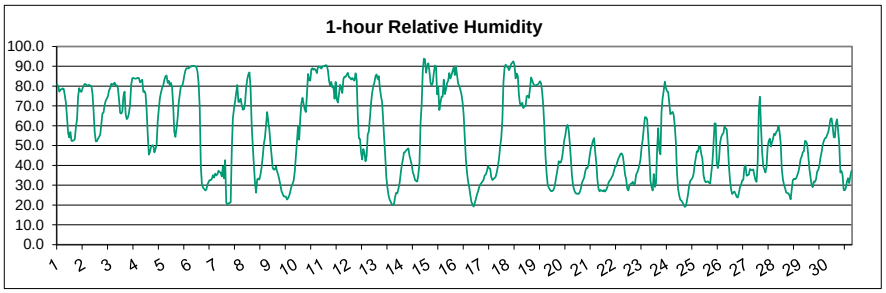
	HOUR																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	652.8	653.0	652.8	652.9	653.1	653.3	653.6	654.0	654.1	654.1	653.7	653.3	652.8	652.7	652.6	652.8	653.1	653.3	653.7	654.2	654.8	655.0	655.1	655.0	653.6	655.1
2	655.1	654.9	654.6	654.5	654.5	654.5	654.6	654.7	654.6	654.3	653.9	653.4	652.9	652.4	652.1	651.9	652.0	652.0	651.9	651.9	651.9	651.9	651.6	651.3	653.2	655.1
3	651.0	650.8	650.3	650.0	649.7	649.3	649.0	648.9	648.6	648.1	647.8	647.5	647.3	647.4	647.3	647.2	647.2	647.3	647.3	647.4	647.6	647.6	647.7	647.8	648.3	651.0
4	647.6	647.5	647.6	647.6	647.8	647.9	647.9	648.0	647.8	647.5	647.2	646.6	646.1	645.9	645.6	645.6	645.6	645.8	645.9	646.1	646.3	646.3	646.0	645.8	646.7	648.0
5	645.3	645.0	644.7	644.5	644.3	644.2	644.3	644.2	644.0	643.6	643.1	642.7	642.2	641.9	641.8	642.0	642.0	642.2	642.4	642.5	642.8	642.9	642.8	642.8	643.3	645.3
6	642.7	642.3	642.1	642.0	642.3	642.7	643.0	643.3	643.3	643.0	642.8	642.7	642.2	641.7	641.7	641.5	641.2	641.0	640.9	641.5	642.4	642.5	642.4	642.1	642.2	643.3
7	641.6	641.2	641.1	641.4	641.9	642.6	643.5	644.2	644.7	644.7	644.8	645.0	645.3	645.8	646.7	647.6	648.6	649.6	650.7	651.8	652.8	653.6	654.1	654.6	646.6	654.6
8	654.9	655.1	655.6	656.1	656.6	657.1	657.3	657.6	657.5	657.1	656.8	656.1	655.2	654.8	654.6	654.6	654.5	654.5	655.0	655.6	656.2	656.2	656.0	655.6	655.9	657.6
9	655.3	654.8	654.4	653.8	653.6	653.5	653.1	652.9	652.5	652.3	651.9	651.3	650.7	649.9	649.4	648.9	648.2	648.0	648.0	648.0	648.3	648.7	648.6	648.4	651.0	655.3
10	648.5	648.8	648.9	649.2	649.6	649.6	649.9	650.0	650.0	650.2	650.7	651.3	651.1	651.2	651.1	650.9	650.9	650.9	650.9	650.9	651.5	652.1	652.5	652.6	650.6	652.6
11	652.7	653.0	653.1	653.1	653.3	654.1	654.8	655.1	655.3	655.3	655.4	655.4	655.3	655.3	655.3	655.3	655.3	655.4	655.6	656.0	656.5	656.7	656.7	656.8	655.0	656.8
12	656.6	656.7	657.1	657.1	657.1	657.1	657.4	657.6	657.4	657.1	657.0	656.5	656.1	655.9	655.7	655.6	655.7	656.0	656.2	656.5	656.9	657.1	657.1	657.1	656.7	657.6
13	657.0	657.0	656.8	656.7	656.7	656.7	656.9	656.9	656.6	656.2	655.7	655.2	654.5	654.0	653.5	653.0	652.6	652.5	652.5	652.3	652.3	652.2	652.2	652.2	654.7	657.0
14	652.5	652.5	652.4	652.5	652.4	652.4	652.5	652.4	652.1	651.6	651.2	650.9	650.2	649.6	649.4	649.3	649.7	650.0	650.0	650.8	651.6	652.3	653.0	653.7	651.4	653.7
15	654.7	655.7	656.2	656.3	656.4	656.5	656.9	657.4	657.6	658.0	658.5	658.8	658.9	659.1	659.3	659.3	659.3	659.3	659.3	659.1	659.3	659.3	659.3	659.2	658.1	659.3
16	659.0	658.8	658.5	658.2	658.0	657.7	657.4	657.1	656.5	655.8	655.1	654.4	653.6	653.1	652.4	651.5	651.0	650.6	650.1	649.9	649.8	649.6	649.6	649.3	654.0	659.0
17	649.2	649.0	648.6	648.3	648.1	648.0	647.5	647.0	646.6	645.9	645.8	645.9	646.0	645.8	645.9	646.1	646.3	646.7	646.8	647.1	647.8	648.6	649.1	649.2	647.3	649.2
18	649.3	649.5	649.5	649.8	650.1	650.4	650.9	651.4	651.6	651.8	651.7	651.4	650.9	650.4	650.3	649.9	649.5	649.4	649.1	649.2	649.5	649.6	649.5	649.4	650.2	651.8
19	649.6	649.6	649.4	649.3	649.3	649.6	649.7	649.9	649.9	649.6	649.1	648.6	648.2	647.9	647.8	647.8	647.9	648.0	648.0	648.1	648.8	649.5	650.0	650.2	649.0	650.2
20	650.4	650.5	650.6	650.8	651.1	651.3	651.4	651.1	650.8	650.4	650.1	649.6	649.4	649.1	648.8	648.6	648.4	648.4	648.5	648.4	648.4	648.6	648.6	648.7	649.6	651.4
21	648.7	648.8	648.7	648.7	648.9	648.9	648.9	648.7	648.3	648.1	648.0	648.1	648.1	648.1	648.0	647.8	647.9	648.1	648.7	648.9	649.5	650.1	650.2	650.3	648.7	650.3
22	650.5	650.5	650.3	650.0	650.0	649.8	649.4	649.4	649.1	648.6	648.2	648.1	647.5	647.3	647.4	647.4	647.3	647.2	647.1	647.2	647.4	647.6	647.8	647.8	648.5	650.5
23	648.1	648.2	648.3	648.5	648.8	649.0	649.2	649.3	649.0	648.7	648.6	648.5	648.7	648.2	648.4	649.2	649.7	649.5	650.1	651.2	652.0	652.5	652.7	652.7	649.5	652.7
24	652.9	653.1	653.2	653.4	653.7	654.0	654.2	654.2	653.9	653.5	653.1	652.9	652.7	652.5	652.4	652.4	652.4	652.4	652.4	652.5	652.8	653.1	653.1	652.8	653.1	654.2
25	652.8	652.7	652.4	652.3	652.3	651.9	651.5	650.9	650.2	649.3	648.6	647.7	646.6	645.8	645.1	644.2	643.9	643.6	643.3	643.7	644.8	644.7	644.9	645.4	647.9	652.8
26	645.8	646.2	646.5	647.0	647.1	647.1	647.7	647.7	647.9	648.0	648.3	648.7	648.8	649.0	649.0	648.8	648.6	648.5	648.3	648.0	648.0	647.9	647.3	647.0	647.8	649.0
27	646.5	645.9	645.2	644.5	644.4	644.4	644.7	645.1	644.7	644.4	644.9	645.5	645.6	645.3	645.2	645.0	645.1	645.3	646.5	647.4	648.5	649.2	649.9	650.5	646.0	650.5
28	651.1	651.8	652.4	652.9	653.3	653.8	654.3	654.4	654.4	654.3	654.2	653.8	653.3	653.0	653.1	652.5	652.4	652.4	652.2	652.3	652.8	653.4	654.2	654.8	653.2	654.8
29	655.0	654.5	654.2	654.3	654.5	654.3	654.1	653.7	653.3	652.6	651.9	651.3	650.6	649.8	649.3	648.9	648.4	647.9	647.4	647.3	647.2	647.2	646.9	646.7	650.9	655.0
30	646.2	645.8	645.5	645.3	645.2	645.2	645.3	645.0	644.9	645.3	645.2	645.6	645.2	645.1	645.5	646.1	646.3	646.7	647.1	647.3	647.9	648.7	649.2	649.6	646.2	649.6
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	650.8	650.8	650.7	650.7	650.8	650.9	651.0	651.1	650.9	650.6	650.4	650.2	649.9	649.6	649.5	649.4	649.4	649.4	649.5	649.8	650.2	650.5	650.6	650.6		
MAX	659.0	658.8	658.5	658.2	658.0	657.7	657.4	657.6	657.6	658.0	658.5	658.8	658.9	659.1	659.3	659.3	659.3	659.3	659.3	659.1	659.3	659.3	659.3	659.2		



Number of Non-Zero Readings	720		
Maximum 1-HR Average	659	MMHg	
Maximum 24-HR Average	658	MMHg	
		Opperational Time	720 HRS
Monthly Calibration	0	Opperational Uptime	100.0 %
Standard Deviation	4.189	Monthly Average	650.3 MMHg

Lagoon Relative Humidity (%) – April 2020

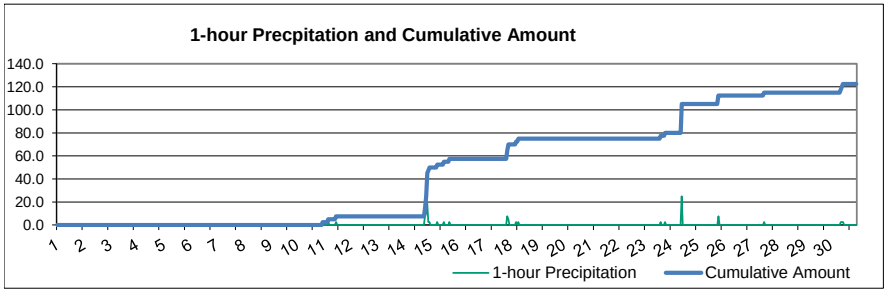
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	80.9	79.9	77.2	78.3	78.3	78.9	78.6	75.0	71.4	63.8	56.0	54.0	56.9	52.4	52.4	52.6	53.3	59.4	63.2	74.9	79.0	77.5	77.1	78.8	68.7	80.9
2	80.2	81.0	80.8	80.2	80.3	80.6	80.2	80.1	76.1	67.2	56.8	52.1	52.2	53.5	54.4	55.6	60.9	66.2	66.7	70.5	72.7	73.7	75.0	78.0	69.8	81.0
3	79.0	81.2	80.7	80.9	81.8	80.2	80.5	78.9	73.1	66.6	66.2	67.3	75.0	77.2	65.8	63.4	64.2	66.4	70.5	80.6	84.0	84.1	83.8	83.8	75.6	84.1
4	83.9	84.2	84.0	81.9	82.4	83.2	77.0	77.5	76.2	67.7	55.2	45.5	46.7	49.4	50.1	50.0	46.6	48.3	50.4	62.2	68.6	74.1	76.9	79.0	66.7	84.2
5	80.5	83.1	84.9	85.3	81.6	82.6	80.1	81.6	79.2	70.3	57.0	54.4	58.5	63.7	71.6	75.9	80.1	79.9	81.8	85.2	87.8	89.1	89.0	89.0	78.0	89.1
6	89.6	89.9	90.1	90.3	90.1	90.0	89.6	87.2	81.4	69.2	39.5	30.3	28.8	28.1	27.3	27.7	30.3	31.6	32.6	32.4	33.3	35.1	33.9	35.8	54.8	90.3
7	35.0	35.5	37.3	36.8	36.1	34.4	39.5	33.5	42.6	21.2	20.2	20.8	20.9	21.4	47.5	63.9	68.4	72.2	76.6	80.5	72.0	72.0	73.6	70.6	47.2	80.5
8	68.1	68.3	71.4	79.1	83.4	85.9	87.0	79.2	60.6	49.9	40.1	31.3	26.2	33.0	33.4	32.8	35.5	39.1	44.3	50.7	54.0	60.2	66.9	62.2	55.9	87.0
9	58.1	51.2	45.2	38.8	37.9	37.9	39.4	36.9	35.2	32.8	29.9	27.0	25.7	24.4	24.3	24.2	22.8	23.4	24.8	26.9	29.4	30.7	32.3	36.9	33.2	58.1
10	44.6	52.3	60.1	53.0	64.1	71.5	74.1	70.9	68.2	66.9	75.7	86.1	83.0	82.8	88.3	89.1	88.3	88.7	88.0	86.6	89.9	89.7	89.8	88.8	76.7	89.9
11	89.7	90.1	90.0	90.6	90.4	87.9	82.8	80.2	82.1	79.3	79.8	73.7	82.1	73.3	71.7	75.8	80.6	78.9	76.5	83.6	84.8	84.7	85.8	86.7	82.5	90.6
12	84.4	84.2	83.4	84.1	83.3	82.8	86.5	83.1	65.5	53.6	53.4	46.4	43.0	48.3	46.5	42.1	44.7	55.5	57.1	64.0	71.4	76.5	79.9	81.6	66.7	86.5
13	84.9	85.9	83.6	85.0	78.9	75.0	71.9	64.5	54.5	45.1	34.3	28.9	25.0	22.8	21.7	20.2	20.1	20.5	24.2	26.2	25.9	28.2	30.9	35.8	45.6	85.9
14	40.1	42.9	46.6	46.6	47.6	48.2	48.6	44.8	42.7	40.3	36.7	34.9	32.6	32.2	31.8	35.5	41.0	61.5	70.8	87.8	93.8	93.5	86.8	90.1	53.2	93.8
15	91.5	87.6	81.8	80.4	81.6	86.6	90.4	89.9	75.8	79.5	67.9	71.6	74.7	74.7	83.3	76.0	78.3	81.5	82.7	86.6	83.9	85.5	87.7	89.4	82.0	91.5
16	85.6	90.1	85.5	81.3	80.2	78.2	75.8	72.0	65.6	54.1	43.1	36.5	31.9	29.0	25.1	21.6	20.4	19.1	21.0	22.9	25.2	26.9	28.9	30.4	47.9	90.1
17	31.0	31.9	32.7	34.9	35.4	37.1	39.6	38.7	38.2	34.0	32.6	33.2	33.7	34.4	36.6	39.6	43.5	49.5	53.7	62.8	82.1	89.2	90.8	89.8	46.9	90.8
18	89.5	88.0	89.3	91.2	91.9	92.5	90.6	83.9	86.3	85.0	75.4	71.0	70.5	71.6	68.9	70.0	69.9	75.0	75.1	74.1	78.7	84.3	82.9	81.3	80.7	92.5
19	80.4	80.1	80.6	80.7	81.4	82.4	81.6	77.4	70.1	59.6	45.2	36.2	30.4	28.7	27.8	27.0	27.0	27.5	28.7	31.8	35.0	38.4	42.1	41.3	51.7	82.4
20	41.6	43.8	47.9	52.7	55.3	59.3	60.4	57.8	51.3	43.0	34.7	29.8	27.6	26.2	25.7	25.8	25.6	26.5	28.2	31.2	32.5	33.9	37.0	38.7	39.0	60.4
21	38.6	40.5	44.9	48.4	50.3	52.4	53.7	46.7	41.3	32.8	28.1	26.9	27.5	27.2	26.9	27.6	26.8	27.7	29.1	31.2	32.3	32.8	34.2	35.0	36.0	53.7
22	37.3	39.3	39.6	41.7	43.5	44.6	45.8	46.0	44.8	40.5	35.4	33.0	28.2	27.4	29.8	30.7	31.0	31.7	30.1	30.8	35.3	36.4	38.0	40.2	36.7	46.0
23	43.2	49.4	53.0	59.2	64.4	64.2	63.2	54.1	44.6	32.2	29.2	27.3	35.6	29.1	31.1	47.5	58.8	47.5	45.6	67.2	73.9	77.9	82.2	79.0	52.5	82.2
24	77.5	77.1	71.6	65.8	66.4	67.0	65.4	59.9	51.6	36.2	28.1	24.8	22.7	22.2	21.3	20.1	19.1	19.5	22.2	25.5	29.8	32.1	32.9	33.8	41.4	77.5
25	35.6	40.3	43.9	47.2	46.9	49.9	49.4	45.6	43.3	35.2	32.5	31.5	31.8	31.9	31.2	30.8	36.0	41.1	50.5	61.2	61.1	41.3	38.7	42.9	41.7	61.2
26	51.4	54.2	55.6	56.3	59.7	58.7	58.2	50.2	39.6	32.2	27.7	25.5	26.3	26.8	25.6	24.1	23.8	26.1	29.0	30.3	32.4	32.7	38.9	39.9	38.6	59.7
27	34.8	34.9	35.4	38.1	37.6	37.6	38.0	34.9	32.6	31.7	41.4	67.8	74.7	59.5	47.1	39.5	37.9	36.4	39.2	49.2	52.3	53.5	49.5	51.4	44.0	74.7
28	53.2	55.9	55.3	56.8	57.5	60.0	56.8	51.3	38.4	33.1	30.2	28.5	26.3	26.0	25.8	24.8	22.9	27.8	32.5	33.3	32.9	33.4	34.9	36.6	38.9	60.0
29	39.3	43.1	44.5	46.5	47.1	52.3	52.0	50.5	44.6	38.1	34.1	30.0	29.0	31.9	31.6	33.1	36.8	37.7	39.7	43.9	46.6	50.3	52.3	53.6	42.0	53.6
30	54.0	55.2	56.8	59.5	63.2	63.8	59.8	54.3	54.1	61.4	63.2	57.4	50.8	36.4	37.2	35.0	27.6	27.5	28.7	32.0	33.5	31.1	34.5	37.1	46.4	63.8
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	62.8	64.0	64.5	65.1	66.0	66.9	66.5	62.9	57.7	50.8	45.0	42.8	42.6	41.5	42.1	42.7	44.1	46.5	48.8	54.2	57.1	58.3	59.6	60.6		
MAX	91.5	90.1	90.1	91.2	91.9	92.5	90.6	89.9	86.3	85.0	79.8	86.1	83.0	82.8	88.3	89.1	88.3	88.7	88.0	87.8	93.8	93.5	90.8	90.1		



Number of Non-Zero Readings	720		
Maximum 1-HR Average	93.8 %		
Maximum 24-HR Average	82.5 %		
		Opperational Time	720 HRS
Monthly Calibration	0	Opperational Uptime	100.0 %
Standard Deviation	21.9	Monthly Average	54.7 %

Lagoon Precipitation (mm) – April 2020

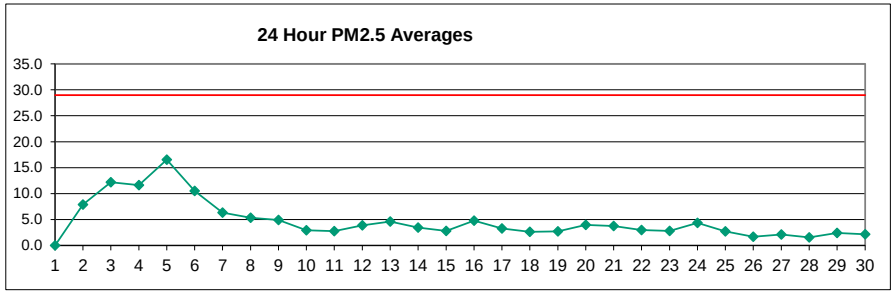
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	2.5	0.1	2.5
11	0.0	0.0	0.0	0.0	2.5	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	0.0	0.2	2.5
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	7.5	10.0	20.0	2.5	2.5	1.8	20.0
15	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.5
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	7.5	5.0	0.0	0.5	7.5
18	0.0	0.0	0.0	0.0	0.0	2.5	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	0.0	0.0	0.0	0.0	0.0	0.2	2.5
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	2.5	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.2	2.5
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	1.0	25.0
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	7.5	0.0	0.0	0.0	0.0	0.3	7.5
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	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
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	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.5
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.9	0.2	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.6	0.3	0.9	0.3	0.2		
MAX	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	0.0	2.5	25.0	2.5	2.5	0.0	0.0	2.5	0.0	2.5	0.0	7.5	10.0	20.0	5.0	2.5		



Number of Non-Zero Readings	23		
Maximum 1-HR Average	25.0	MM	
Maximum 24-HR Average	1.8	MM	
		Opperational Time	720 HRS
Monthly Calibration	0	Opperational Uptime	100.0 %
Standard Deviation	1.394	Monthly Average	0.17 MM

West $PM_{2.5}$ (µg/m^3) – April 2020

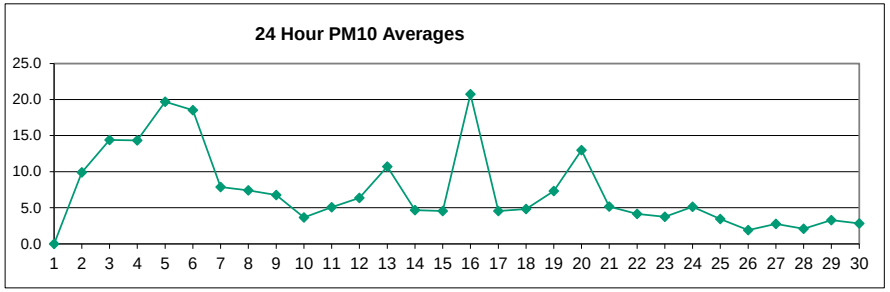
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	5.6	3.3	3.0	4.3	4.4	5.0	4.8	5.7	4.0	-	-
2	3.7	3.7	4.3	4.6	6.5	7.0	7.4	10.3	12.9	10.3	9.8	6.7	6.3	6.3	6.3	6.9	7.7	8.3	8.5	9.2	9.6	10.9	11.1	10.5	7.9	12.9
3	10.1	11.1	10.8	10.6	10.9	11.1	14.2	13.6	12.0	13.8	12.0	11.5	11.6	13.8	17.3	15.4	14.1	14.1	12.9	11.4	9.7	10.1	9.7	10.3	12.2	17.3
4	9.5	8.9	9.2	9.9	9.6	10.5	11.1	12.4	13.9	12.9	12.0	11.2	10.2	10.7	10.3	9.7	8.6	9.6	10.9	15.0	13.4	14.0	17.1	18.0	11.6	18.0
5	17.8	18.1	19.3	18.9	18.9	20.3	15.9	15.0	19.3	21.3	16.9	13.8	15.1	16.8	16.9	17.2	17.1	13.9	12.2	12.6	13.3	14.8	15.9	15.3	16.5	21.3
6	15.2	17.3	18.9	18.9	17.3	18.2	20.0	19.0	20.5	11.6	9.7	10.2	6.4	6.0	5.6	5.5	5.3	3.4	3.1	3.4	3.8	4.0	4.3	4.1	10.5	20.5
7	4.0	3.9	3.6	3.6	3.4	3.6	5.5	6.3	7.3	8.2	7.9	7.1	6.8	6.4	6.2	9.7	11.6	11.2	10.4	7.4	5.3	4.9	3.8	3.2	6.3	11.6
8	2.8	2.4	2.3	2.5	3.0	3.1	3.8	7.4	8.5	7.1	6.6	6.5	6.0	7.0	10.2	8.6	6.4	5.4	4.8	4.5	4.8	4.8	4.6	4.6	5.3	10.2
9	5.0	5.0	4.9	5.1	5.1	5.3	6.9	7.4	7.0	7.3	6.7	6.6	8.5	5.6	6.0	4.9	4.0	2.5	2.2	2.2	2.4	2.4	2.3	2.3	4.9	8.5
10	2.5	2.8	3.3	3.3	3.8	3.7	4.3	6.9	5.5	4.7	4.6	1.7	2.0	1.7	2.0	2.3	2.7	2.8	2.5	1.2	1.2	1.9	1.3	1.2	2.9	6.9
11	0.9	0.7	0.9	0.9	1.6	2.3	3.3	2.9	2.7	3.0	3.7	3.9	6.2	4.2	2.7	4.0	3.5	3.1	2.6	2.4	2.4	2.4	2.7	2.6	2.7	6.2
12	2.7	2.6	4.0	4.4	3.1	2.8	3.9	4.9	3.2	2.9	4.3	10.9	6.4	5.6	4.1	3.0	3.4	3.5	4.4	2.5	2.2	2.2	2.7	2.4	3.8	10.9
13	2.5	3.1	3.5	3.5	3.9	3.7	4.4	8.7	8.2	8.0	9.5	6.8	6.4	6.1	6.0	5.9	3.3	2.7	2.4	2.4	2.4	2.4	2.4	2.4	4.6	9.5
14	2.5	2.5	2.5	2.6	2.6	2.8	3.7	7.4	7.1	5.6	5.4	6.4	5.3	6.0	4.4	3.3	1.5	2.9	2.2	1.6	0.7	0.6	0.9	1.8	3.4	7.4
15	1.8	2.4	3.4	2.6	2.7	3.1	5.0	6.1	3.0	3.5	4.0	2.6	3.1	3.6	3.2	4.9	2.3	1.7	1.6	0.9	1.0	1.2	1.5	1.4	2.8	6.1
16	1.5	1.7	2.4	2.7	4.3	4.4	4.7	4.8	4.8	7.7	8.4	7.9	11.9	11.7	8.3	6.6	4.7	2.7	2.2	2.2	2.4	2.4	1.8	1.7	4.7	11.9
17	1.7	1.9	1.8	1.9	2.1	3.2	4.4	7.0	8.7	8.0	3.5	4.2	4.4	5.4	4.5	4.0	2.9	2.1	1.6	1.5	1.7	0.4	0.6	0.6	3.3	8.7
18	1.0	3.0	1.5	1.6	4.3	2.4	1.1	1.1	1.2	1.1	1.5	3.4	3.0	5.1	4.3	3.7	3.4	2.4	2.0	2.0	1.8	2.3	3.6	5.7	2.6	5.7
19	5.0	4.3	3.3	3.0	2.9	2.7	3.0	3.1	2.5	3.5	3.5	2.5	3.1	3.6	3.3	3.7	2.2	2.1	1.3	1.3	1.2	1.1	1.3	1.6	2.7	5.0
20	1.4	1.4	1.5	1.4	1.5	2.5	3.4	7.8	7.2	7.5	9.1	7.7	5.7	8.3	7.8	5.4	4.2	1.8	1.4	1.5	1.6	1.6	1.7	1.7	4.0	9.1
21	1.9	2.0	2.3	2.5	2.8	4.0	5.1	7.6	9.0	5.9	5.4	4.5	4.9	4.9	5.6	3.9	2.8	2.3	2.3	2.1	2.0	2.0	2.0	1.9	3.7	9.0
22	1.9	2.0	2.0	2.3	2.6	4.9	7.2	6.1	6.2	4.0	4.3	3.7	3.2	3.6	3.0	2.6	2.1	1.6	1.5	1.1	1.0	1.3	1.3	1.7	3.0	7.2
23	2.2	1.8	1.4	1.5	1.8	1.5	2.3	5.9	6.7	4.0	4.0	2.9	2.5	2.8	3.8	2.1	1.6	2.8	3.1	4.5	1.9	1.0	1.8	2.9	2.8	6.7
24	3.8	3.8	4.4	4.6	4.5	4.9	4.8	6.0	6.4	6.1	5.1	X	X	5.9	6.0	5.3	3.6	3.0	2.7	2.6	2.6	2.9	3.1	3.3	4.3	6.4
25	3.6	3.4	3.6	3.5	3.5	3.7	4.6	6.9	6.3	4.2	3.8	3.3	2.9	2.5	1.7	1.5	1.2	0.6	0.8	1.0	0.5	0.5	0.5	0.4	2.7	6.9
26	0.4	0.4	0.5	0.4	0.4	0.6	1.3	1.5	0.9	1.0	1.6	1.9	2.3	3.0	3.6	3.4	3.0	2.9	2.4	2.1	1.8	1.7	1.5	1.4	1.7	3.6
27	1.3	1.4	1.6	1.7	1.8	2.8	4.4	3.6	3.7	3.6	3.0	2.5	2.1	2.7	4.6	2.5	1.3	1.1	0.8	0.8	0.8	0.6	0.6	0.8	2.1	4.6
28	0.9	0.8	0.9	0.8	0.8	1.2	2.4	3.9	2.4	2.4	1.7	2.4	2.5	2.5	2.1	1.7	1.0	1.0	0.8	0.9	1.0	0.9	1.1	1.0	1.5	3.9
29	1.0	1.0	1.3	1.2	1.4	1.9	3.5	4.3	4.4	3.0	2.4	2.6	2.5	3.2	3.9	3.3	2.3	1.7	1.9	2.1	1.9	1.9	2.3	2.1	2.4	4.4
30	2.1	2.2	2.0	2.0	2.1	2.2	2.0	3.0	5.6	2.9	2.4	2.0	2.8	2.4	2.3	1.9	1.8	1.1	1.5	1.1	1.0	1.1	1.4	1.7	2.1	5.6
NO.	29	29	29	29	29	29	29	29	29	29	29	28	28	29	29	30	30	30	30	30	30	30	30	30	703	98%
MEAN	3.8	4.0	4.2	4.2	4.5	4.8	5.6	6.9	7.1	6.4	6.0	5.6	5.5	5.8	5.7	5.3	4.4	3.9	3.7	3.6	3.4	3.4	3.7	3.8		
MAX	17.8	18.1	19.3	18.9	18.9	20.3	20.0	19.0	20.5	21.3	16.9	13.8	15.1	16.8	17.3	17.2	17.1	14.1	12.9	15.0	13.4	14.8	17.1	18.0		



Number of 24HR Exceedences	0	Proposed Guideline	
Number of Non-Zero Readings	703		
Maximum 1-HR Average	21.3	UG/M3	
Maximum 24-HR Average	16.5	UG/M3	
IZS Calibration Time		Opperational Time	703 HRS
Down Time	0	Opperational Uptime	97.6 %
Standard Deviation	4.147	Monthly Average	4.8 UG/M3

West PM_{10} ($\mu g/m^3$) – April 2020

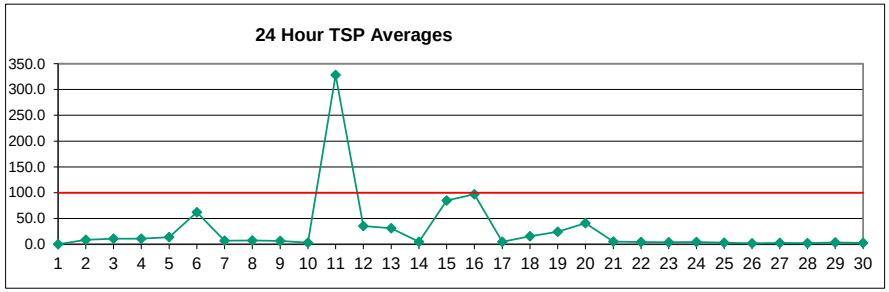
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	11.2	4.3	3.6	5.7	5.9	6.6	6.1	7.6	4.7	-	-
2	4.2	4.1	4.9	5.7	9.2	10.0	10.1	13.1	16.3	13.1	12.7	9.5	8.9	8.7	8.7	8.9	9.8	10.0	9.7	11.3	11.3	12.9	13.1	11.3	9.9	16.3
3	10.8	13.0	11.7	11.1	11.2	11.8	17.2	16.1	14.2	17.3	15.7	14.6	14.1	16.5	20.8	18.3	16.1	15.4	15.4	15.1	13.0	13.4	11.5	11.1	14.4	20.8
4	9.8	9.2	11.1	13.9	10.5	11.7	12.1	13.5	16.0	15.2	15.2	14.2	13.4	15.0	13.9	12.4	10.1	12.3	14.1	20.1	15.7	17.0	23.5	24.7	14.3	24.7
5	22.7	23.2	25.2	24.3	23.0	23.2	19.8	17.0	23.4	26.3	21.8	18.2	19.4	19.7	20.0	19.2	18.6	14.5	12.8	15.0	14.4	16.5	18.5	16.3	19.7	26.3
6	16.6	21.4	23.2	22.3	18.0	20.3	22.4	22.9	32.8	22.6	43.5	37.6	21.8	25.0	21.6	20.9	17.6	5.3	4.0	4.3	4.8	4.9	5.4	5.0	18.5	43.5
7	4.8	4.8	4.4	4.5	4.1	4.5	7.8	8.4	9.4	10.5	10.2	9.2	8.8	8.6	8.4	12.6	14.7	13.3	11.8	9.0	5.9	5.7	4.2	3.5	7.9	14.7
8	3.1	2.7	2.5	2.8	3.4	3.6	5.0	10.4	12.3	10.5	9.8	9.5	8.6	10.3	14.8	12.8	9.5	7.9	6.9	6.4	6.6	6.5	6.0	5.9	7.4	14.8
9	6.5	6.1	5.6	6.1	6.1	6.7	9.9	11.0	10.2	10.8	9.8	9.8	12.7	8.2	8.9	7.1	5.9	3.4	2.9	2.8	3.0	3.0	2.9	2.8	6.8	12.7
10	3.0	3.4	4.2	4.1	4.5	4.1	5.1	10.1	8.0	6.0	6.0	2.0	2.2	1.8	3.0	3.1	3.2	3.4	2.8	1.4	1.3	2.1	1.5	1.3	3.6	10.1
11	1.1	0.9	1.0	1.0	2.5	2.7	3.6	3.3	3.4	3.4	5.0	9.2	29.0	9.1	7.3	11.2	5.8	6.1	3.0	2.6	2.5	2.5	2.8	2.7	5.1	29.0
12	3.0	2.7	4.4	5.0	3.3	2.8	3.9	5.5	3.7	5.6	10.5	19.7	15.7	13.0	13.4	7.9	7.5	6.3	5.4	3.0	2.4	2.3	3.0	2.6	6.4	19.7
13	2.8	3.9	4.1	3.9	4.3	4.1	5.6	12.7	12.1	11.8	14.3	33.6	27.2	29.0	29.2	31.4	6.9	3.3	2.8	2.8	2.8	2.7	2.7	2.7	10.7	33.6
14	2.8	2.7	2.8	2.8	2.8	3.2	5.0	10.9	10.3	8.1	7.8	9.4	7.7	8.9	6.5	4.7	2.0	4.2	2.9	1.9	0.9	0.7	1.0	1.9	4.7	10.9
15	1.9	2.7	4.1	2.7	2.8	3.6	6.5	8.9	4.3	5.3	10.3	5.4	7.2	9.8	9.7	9.5	3.5	2.6	2.0	0.9	1.1	1.2	1.5	1.5	4.5	10.3
16	1.7	1.8	2.5	3.7	12.7	16.0	16.5	14.4	19.5	46.6	47.0	44.4	67.7	72.4	50.5	35.4	20.9	7.5	3.7	2.8	2.9	2.9	2.0	1.9	20.7	72.4
17	1.9	2.1	2.1	2.2	2.6	4.4	6.5	10.5	12.9	11.7	4.9	5.9	6.3	7.7	6.5	5.9	4.0	2.9	2.0	1.8	2.1	0.4	0.8	0.7	4.5	12.9
18	1.2	3.1	1.6	1.7	4.6	2.7	1.3	1.9	2.5	1.9	3.4	10.1	9.2	19.1	12.8	7.2	6.2	4.3	3.0	2.8	2.0	2.4	4.0	6.5	4.8	19.1
19	5.3	4.5	3.5	3.2	3.0	3.0	3.9	5.2	5.4	13.0	17.4	11.9	15.8	21.6	17.7	17.6	7.3	7.3	1.9	1.5	1.4	1.2	1.6	1.9	7.3	21.6
20	1.7	1.6	1.7	1.6	1.8	3.2	4.9	11.7	10.7	11.2	25.9	47.1	30.9	49.0	57.9	30.8	6.4	2.4	1.7	1.7	1.8	1.9	1.9	1.9	13.0	57.9
21	2.2	2.4	2.8	2.9	3.5	5.5	7.3	11.3	13.4	8.7	7.9	6.6	7.2	7.3	8.3	5.6	3.8	2.9	2.8	2.5	2.4	2.2	2.2	2.1	5.2	13.4
22	2.1	2.2	2.3	2.7	3.2	7.1	10.6	9.0	9.3	5.9	6.4	5.3	4.8	5.3	4.4	3.8	2.9	2.2	2.1	1.3	1.3	1.6	1.6	2.2	4.1	10.6
23	2.9	2.3	1.6	1.8	2.3	1.8	3.1	8.7	10.1	5.9	5.9	4.2	3.7	4.1	5.6	3.1	1.9	3.6	3.7	5.4	2.0	1.1	2.0	3.1	3.7	10.1
24	4.0	4.1	4.5	4.8	4.7	5.4	5.3	7.7	9.0	8.3	7.1	X	X	7.5	7.5	6.6	4.3	3.5	2.9	2.8	2.8	3.2	3.4	3.6	5.1	9.0
25	4.3	3.7	4.0	3.7	3.7	4.1	6.0	10.1	9.3	5.7	5.0	4.4	3.9	3.4	2.2	2.0	1.6	0.7	1.0	1.2	0.6	0.6	0.6	0.5	3.4	10.1
26	0.5	0.5	0.6	0.5	0.5	0.6	1.6	2.0	1.1	1.2	1.9	2.2	2.6	3.4	4.2	3.9	3.3	3.2	2.7	2.2	2.0	1.9	1.7	1.5	1.9	4.2
27	1.5	1.6	1.8	1.9	2.0	3.5	6.2	5.1	5.4	5.1	4.1	3.4	2.7	3.7	6.6	3.6	1.7	1.4	1.0	0.9	1.0	0.6	0.7	0.9	2.8	6.6
28	1.0	1.0	1.0	0.9	0.9	1.5	3.4	5.8	3.5	3.5	2.4	3.5	3.7	3.6	3.1	2.4	1.3	1.2	1.0	1.1	1.2	1.0	1.2	1.1	2.1	5.8
29	1.1	1.1	1.4	1.3	1.7	2.5	5.0	6.4	6.6	4.3	3.4	3.7	3.6	4.5	5.8	4.7	3.2	2.2	2.5	2.8	2.5	2.5	2.9	2.6	3.3	6.6
30	2.6	2.7	2.5	2.4	2.6	2.6	2.6	4.4	8.3	4.2	3.5	2.9	4.0	3.4	3.2	2.7	2.4	1.4	2.0	1.3	1.1	1.3	1.6	2.0	2.8	8.3
NO.	29	29	29	29	29	29	29	29	29	29	29	28	28	29	29	30	30	30	30	30	30	30	30	30	703	98%
MEAN	4.4	4.7	4.9	5.0	5.4	6.1	7.5	9.6	10.5	10.5	11.7	12.8	13.0	13.8	13.2	10.9	6.9	5.3	4.5	4.5	4.0	4.1	4.4	4.4		
MAX	22.7	23.2	25.2	24.3	23.0	23.2	22.4	22.9	32.8	46.6	47.0	47.1	67.7	72.4	57.9	35.4	20.9	15.4	15.4	20.1	15.7	17.0	23.5	24.7		



Number of Non-Zero Readings	703		
Maximum 1-HR Average	72.4 UG/M3		
Maximum 24-HR Average	20.7 UG/M3		
IZS Calibration Time		OpperatioEl Time	703 HRS
Down Time	0	OpperatioEl Uptime	97.6 %
Standard Deviation	8.4	Monthly Average	7.5 UG/M3

West TSP (µg/m^3) – April 2020

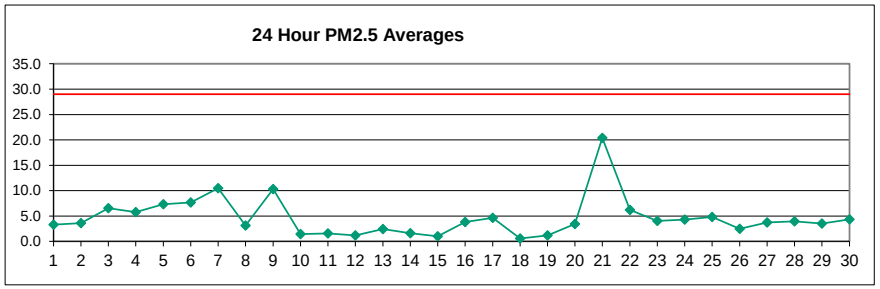
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	73.7	3.8	2.7	5.2	5.3	5.5	4.4	6.4	3.4	-	-
2	2.8	2.7	3.3	4.1	7.9	9.2	9.3	14.1	17.5	13.6	13.5	9.4	8.8	8.4	8.2	7.7	8.6	7.8	6.8	8.3	7.9	8.8	8.9	7.3	8.5	17.5
3	7.0	8.5	7.6	7.2	7.2	7.8	12.0	11.3	10.3	15.1	14.1	14.5	11.2	12.7	15.9	15.3	11.5	10.3	12.3	11.7	9.4	9.3	7.6	7.2	10.7	15.9
4	6.3	6.0	7.8	10.2	6.8	7.6	7.9	8.7	11.3	12.3	13.0	12.0	11.8	14.0	12.7	10.2	7.5	9.2	10.6	14.9	10.3	11.4	15.5	16.6	10.6	16.6
5	15.0	15.2	16.7	15.9	15.0	15.0	13.0	11.0	16.6	19.2	18.1	14.5	15.2	14.1	15.1	14.0	12.6	9.5	8.2	9.8	9.3	10.7	12.0	10.5	13.6	19.2
6	10.7	13.9	18.9	14.4	11.6	13.4	14.5	19.5	40.8	145.2	337.4	183.6	100.5	165.9	117.8	128.4	115.1	16.0	2.9	3.1	3.4	3.3	3.8	3.4	62.0	337.4
7	3.2	3.4	3.0	3.4	2.9	3.6	7.8	7.9	9.0	9.6	9.5	8.2	8.1	8.2	7.9	12.7	11.7	9.4	8.0	6.0	3.9	3.8	2.8	2.3	6.5	12.7
8	2.1	1.8	1.6	1.9	2.3	2.4	3.8	10.3	13.8	11.7	10.8	10.4	9.3	11.5	17.1	14.7	10.7	8.3	6.9	5.6	5.2	4.7	4.3	4.1	7.3	17.1
9	4.4	4.1	3.7	4.1	4.1	4.9	10.0	11.9	10.5	11.9	10.7	10.7	13.9	8.6	9.5	7.5	6.2	2.9	2.2	2.0	2.1	2.0	1.9	1.9	6.3	13.9
10	2.0	2.3	2.9	2.8	3.0	2.7	3.7	10.0	7.9	4.4	5.0	1.4	3.2	1.2	4.6	2.2	2.1	2.3	1.8	1.3	0.9	1.4	1.0	0.8	2.9	10.0
11	0.7	0.6	1.1	0.7	44.5	58.9	20.3	40.0	53.3	42.4	77.1	796.9	2570.3	1068.3	856.0	1391.4	607.6	234.2	2.0	1.7	1.6	1.7	1.8	1.8	328.1	2570.3
12	1.9	1.8	2.9	3.3	2.1	1.8	2.5	20.6	39.7	7.4	265.7	102.7	148.3	26.6	37.4	117.9	21.8	22.4	3.9	2.0	1.6	1.5	2.0	1.7	35.0	265.7
13	1.8	2.6	2.7	2.6	2.8	2.7	4.4	12.9	13.5	13.5	16.1	141.3	115.9	129.2	118.4	132.3	16.4	2.6	1.9	1.9	1.9	1.8	1.8	1.8	30.9	141.3
14	1.9	1.8	1.8	1.8	1.8	2.2	4.2	11.8	11.2	8.4	8.3	10.3	8.4	9.9	6.9	4.9	1.7	4.0	2.3	1.3	0.7	0.5	0.6	1.2	4.5	11.8
15	1.2	1.8	2.7	1.7	1.8	2.3	4.2	5.7	42.4	64.2	136.6	71.7	62.0	244.8	941.0	59.0	183.2	197.5	1.3	0.6	0.7	0.8	1.0	1.0	84.5	941.0
16	1.1	4.9	9.7	4.2	79.7	62.2	188.9	103.7	160.2	228.7	247.4	191.7	293.7	289.9	188.0	154.2	81.0	21.3	4.1	2.6	2.2	2.4	1.4	1.3	96.8	293.7
17	1.3	1.4	1.4	1.5	1.8	4.1	6.8	11.9	14.8	13.4	4.9	5.9	6.6	8.3	7.0	5.9	3.9	2.6	1.5	1.3	1.5	0.3	0.6	0.5	4.6	14.8
18	0.8	2.0	1.0	1.1	3.0	1.7	0.8	10.4	15.0	15.2	18.1	31.8	34.2	120.3	47.4	23.0	14.1	10.4	6.7	2.0	1.3	1.6	2.6	4.2	15.4	120.3
19	3.4	2.9	2.3	2.0	2.0	2.4	3.5	20.6	18.5	68.3	62.9	50.0	51.7	83.7	67.2	79.1	27.0	21.1	1.8	1.0	0.9	0.8	1.1	1.3	24.0	83.7
20	1.1	1.1	1.1	1.0	1.2	2.7	4.7	13.0	12.3	12.8	87.6	157.4	136.5	172.1	228.5	129.8	7.2	2.1	1.3	1.2	1.3	1.3	1.3	1.3	40.8	228.5
21	1.5	1.6	1.9	2.0	2.5	4.9	7.1	12.7	15.5	9.5	8.4	6.9	7.8	7.9	9.0	5.7	3.4	2.3	2.2	1.9	1.7	1.5	1.5	1.4	5.0	15.5
22	1.4	1.5	1.5	1.8	2.2	6.8	11.5	9.8	10.3	6.1	7.0	5.7	5.1	5.8	4.7	4.0	2.8	1.8	1.8	0.9	0.9	1.1	1.2	1.6	4.1	11.5
23	2.2	1.7	1.1	1.3	1.9	1.2	2.6	9.6	11.5	6.4	6.5	4.5	3.8	4.5	6.1	3.1	1.4	2.9	2.8	4.0	1.3	0.7	1.3	2.0	3.5	11.5
24	2.6	2.7	2.9	3.1	3.1	3.6	3.5	6.0	8.2	8.2	6.6	X	X	6.4	6.3	5.6	3.3	2.5	2.0	1.9	1.8	2.1	2.3	2.4	4.0	8.2
25	3.0	2.4	2.7	2.4	2.4	2.8	4.7	10.8	9.9	4.7	4.2	3.8	3.5	3.0	1.8	1.7	1.5	0.5	0.8	0.9	0.4	0.4	0.4	0.3	2.9	10.8
26	0.3	0.3	0.4	0.3	0.4	0.4	1.4	1.9	0.8	0.9	1.6	1.7	1.9	2.4	3.1	2.7	2.3	2.3	1.8	1.5	1.3	1.3	1.1	1.0	1.4	3.1
27	1.0	1.0	1.2	1.3	1.3	2.9	6.0	5.0	5.4	5.2	4.0	3.1	2.2	3.5	6.8	3.7	1.5	1.1	0.8	0.7	0.8	0.4	0.5	0.6	2.5	6.8
28	0.7	0.6	0.7	0.7	0.6	1.2	3.4	6.3	3.7	3.7	2.5	3.8	4.0	3.8	3.2	2.3	1.1	0.9	0.7	0.8	1.0	0.7	0.8	0.7	2.0	6.3
29	0.7	0.7	0.9	0.9	1.4	2.1	5.2	7.3	7.3	4.4	3.3	3.7	3.7	4.6	6.0	4.6	3.0	1.8	2.0	2.3	1.9	1.8	2.0	1.8	3.1	7.3
30	1.9	1.9	1.7	1.7	1.8	1.8	2.0	4.6	9.2	4.2	3.5	2.9	4.3	3.3	3.1	2.6	2.1	1.1	1.8	0.9	0.8	0.8	1.1	1.5	2.5	9.2
NO.	29	29	29	29	29	29	29	29	29	29	29	28	28	29	29	30	30	30	30	30	30	30	30	30	703	98%
MEAN	2.9	3.2	3.7	3.4	7.6	8.1	12.7	14.8	20.7	26.6	48.4	66.4	130.2	84.2	95.1	80.7	39.2	20.5	3.6	3.3	2.8	2.8	3.0	2.9		
MAX	15.0	15.2	18.9	15.9	79.7	62.2	188.9	103.7	160.2	228.7	337.4	796.9	2570.3	1068.3	941.0	1391.4	607.6	234.2	12.3	14.9	10.3	11.4	15.5	16.6		



Number of 24HR Exceedences	1 Proposed Guideline		
Number of Non-Zero Readings	703		
Maximum 1-HR Average	#### UG/M3		
Maximum 24-HR Average	328.1 UG/M3		
IZS Calibration Time		Opperational Time	703 HRS
Down Time	0	Opperational Uptime	97.6 %
Standard Deviation	136.9	Monthly Average	28.3 UG/M3

Berm $PM_{2.5}$ (µg/m^3) – April 2020

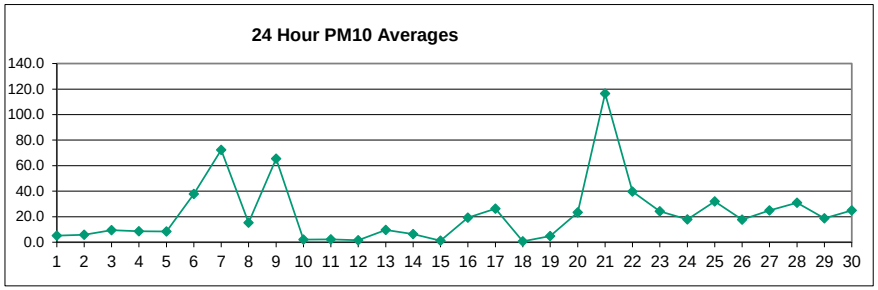
DAY \ HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	6.2	8.1	4.6	3.2	4.9	4.1	3.0	2.6	3.1	2.1	2.3	2.4	1.8	1.4	1.5	1.4	1.3	1.0	3.1	4.9	5.9	3.1	3.3	3.6	3.3	8.1
2	2.6	2.0	1.3	1.6	1.9	3.5	2.1	5.0	7.5	3.7	2.6	2.2	2.2	2.3	2.7	3.5	4.5	5.0	4.9	5.2	4.8	5.3	6.1	4.5	3.6	7.5
3	3.9	3.5	5.7	5.4	5.4	4.9	5.9	7.6	6.7	5.9	6.0	7.6	13.0	K	8.2	7.7	6.7	6.4	8.7	8.1	7.2	6.0	5.6	4.9	6.6	13.0
4	4.6	3.6	4.2	4.7	4.7	4.7	4.6	5.4	7.8	8.4	6.1	5.1	4.3	4.5	4.7	4.8	5.0	5.8	6.6	8.5	8.5	8.6	8.1	4.7	5.7	8.6
5	3.5	4.0	5.3	4.7	4.1	5.1	4.7	8.3	9.0	10.4	9.6	6.8	8.0	8.7	9.7	10.3	9.5	7.1	6.4	5.8	7.5	9.0	9.1	9.3	7.3	10.4
6	9.4	9.1	10.5	10.3	10.8	11.2	12.0	11.6	11.3	6.3	3.8	5.1	5.7	7.3	6.3	5.7	4.5	2.9	6.8	7.3	7.8	6.3	7.5	4.7	7.7	12.0
7	2.8	3.0	3.7	9.0	6.8	7.6	9.4	26.6	25.0	25.8	33.9	18.5	19.8	16.4	10.7	6.7	6.1	5.1	4.3	3.2	2.4	2.2	1.7	1.6	10.5	33.9
8	1.3	1.0	1.0	0.9	0.9	1.0	0.8	9.5	10.1	5.8	3.4	3.3	3.9	2.6	3.9	3.0	4.1	3.9	2.4	2.9	2.6	2.3	2.4	2.2	3.1	10.1
9	2.3	2.0	2.4	5.1	3.1	2.6	4.3	5.3	7.9	4.4	4.9	12.3	12.5	15.3	25.0	30.8	28.2	27.0	17.8	13.6	7.3	4.6	6.8	2.0	10.3	30.8
10	1.0	0.9	1.5	1.8	2.3	1.6	2.4	2.4	1.7	2.4	1.7	1.2	0.8	0.5	0.6	1.0	1.0	1.2	0.9	0.7	1.8	1.9	0.9	1.9	1.4	2.4
11	0.9	1.0	0.4	0.4	1.6	1.5	2.6	1.2	2.0	2.1	1.8	1.8	2.4	1.6	1.9	1.7	2.3	1.8	1.6	1.4	2.0	1.5	1.0	0.8	1.6	2.6
12	1.0	0.8	1.0	1.5	1.3	0.8	1.8	2.6	1.4	0.8	0.8	1.0	1.6	1.0	1.0	1.1	1.2	1.4	1.3	1.2	1.0	0.9	0.8	0.9	1.2	2.6
13	0.9	1.1	1.7	1.2	1.5	1.4	1.7	2.8	2.6	2.4	3.5	4.9	3.5	3.1	3.3	4.8	3.5	1.9	1.5	1.5	2.1	3.8	2.1	1.6	2.4	4.9
14	1.4	1.5	1.6	1.3	1.7	1.4	1.7	3.9	3.2	3.1	2.8	1.9	2.4	2.8	2.0	1.1	1.0	1.0	0.9	0.6	0.4	0.2	0.5	0.5	1.6	3.9
15	0.5	1.0	1.1	0.9	1.1	1.0	1.1	1.0	0.9	1.1	0.5	0.9	1.2	1.7	2.5	1.1	1.3	1.2	1.2	0.6	0.4	1.1	0.5	0.3	1.0	2.5
16	0.4	0.8	0.9	1.0	1.2	1.3	1.0	1.7	2.0	2.3	6.3	3.5	3.9	6.6	8.6	8.1	8.0	4.1	3.6	3.3	6.3	6.1	4.3	6.4	3.8	8.6
17	7.6	5.3	5.0	1.5	1.4	0.9	1.6	2.6	4.6	8.8	8.2	6.7	10.3	7.5	9.2	6.3	5.4	5.6	7.5	4.6	0.6	0.2	0.3	0.3	4.7	10.3
18	0.2	0.2	0.3	0.5	1.2	0.7	0.2	0.5	0.7	0.3	0.3	0.3	0.5	0.8	0.8	0.8	0.6	0.5	0.5	0.7	0.7	0.4	0.8	1.4	0.6	1.4
19	1.4	1.2	0.8	0.7	0.7	0.8	0.9	0.8	0.7	0.9	1.3	1.4	1.7	1.8	1.9	2.6	2.7	1.8	1.3	0.6	0.6	0.5	0.6	0.6	1.2	2.7
20	0.6	1.0	0.6	0.5	0.6	0.7	0.9	1.6	2.3	2.6	4.7	7.3	5.8	6.6	5.9	8.1	8.3	4.2	3.8	3.9	3.9	4.2	3.0	1.3	3.4	8.3
21	1.2	1.0	0.9	0.9	1.0	1.1	2.0	2.2	4.4	18.9	34.6	32.7	29.4	44.3	91.9	97.5	21.4	33.7	15.0	25.8	7.2	7.9	7.0	7.0	20.4	97.5
22	2.0	1.2	1.1	1.0	1.0	1.2	1.9	3.4	6.9	6.1	7.5	8.3	24.5	16.9	15.9	16.7	9.7	5.0	8.5	3.3	1.8	2.7	1.3	0.8	6.2	24.5
23	0.9	0.6	0.5	0.5	0.4	1.4	0.6	1.9	5.3	10.9	12.4	12.0	4.2	11.5	10.5	4.5	2.5	4.5	6.2	3.0	0.8	0.5	0.5	1.1	4.0	12.4
24	1.7	2.0	2.3	2.4	2.4	2.4	2.5	3.1	2.6	4.1	6.4	6.4	8.6	12.0	7.0	6.9	5.7	5.3	4.1	4.4	2.6	1.7	2.4	4.7	4.3	12.0
25	3.6	1.8	1.9	1.9	1.8	1.9	1.9	2.9	3.5	7.1	11.2	10.9	12.7	9.7	6.6	24.3	6.8	1.4	0.9	1.4	0.4	0.4	0.5	0.4	4.8	24.3
26	0.2	0.2	0.6	0.6	0.7	0.5	1.0	1.4	1.6	2.4	5.4	4.0	4.2	5.6	6.4	5.4	3.6	3.4	3.5	2.0	1.2	3.8	1.0	1.2	2.5	6.4
27	1.8	4.9	5.2	5.2	6.2	7.2	8.1	6.7	4.6	6.3	8.7	2.8	0.9	0.9	2.0	2.4	2.4	5.7	3.9	1.2	0.4	0.5	0.5	0.5	3.7	8.7
28	0.5	0.6	0.5	0.3	0.3	0.3	0.5	2.2	1.9	2.9	4.5	5.1	10.1	8.6	5.7	12.8	9.8	4.5	6.5	4.2	2.4	3.6	4.9	2.1	4.0	12.8
29	2.2	1.5	1.1	1.0	1.0	0.7	1.1	8.3	11.2	4.7	7.9	3.5	3.7	4.1	5.9	4.0	3.8	7.6	4.7	2.6	1.0	1.0	0.9	0.9	3.5	11.2
30	0.9	0.9	0.8	0.8	0.8	0.8	1.6	1.6	3.8	5.2	4.6	3.7	3.9	8.0	8.5	6.8	3.1	9.7	15.8	7.7	7.1	5.1	1.7	0.8	4.3	15.8
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	30	719	100%
MEAN	2.2	2.2	2.3	2.4	2.4	2.5	2.8	4.5	5.2	5.6	6.9	6.1	6.9	7.4	9.0	9.7	5.8	5.7	5.1	4.5	3.3	3.2	2.9	2.4		
MAX	9.4	9.1	10.5	10.3	10.8	11.2	12.0	26.6	25.0	25.8	34.6	32.7	29.4	44.3	91.9	97.5	28.2	33.7	17.8	25.8	8.5	9.0	9.1	9.3		



Number of 24HR Exceedences	0	Proposed Guideline	
Number of Non-Zero Readings	719		
Maximum 1-HR Average	97.5	UG/M3	
Maximum 24-HR Average	20.4	UG/M3	
		Operational Time	719 HRS
Monthly Calibration	0	Operational Uptime	99.9 %
Standard Deviation	7.0	Monthly Average	4.6 UG/M3

Berm PM_{10} ($\mu g/m^3$) – April 2020

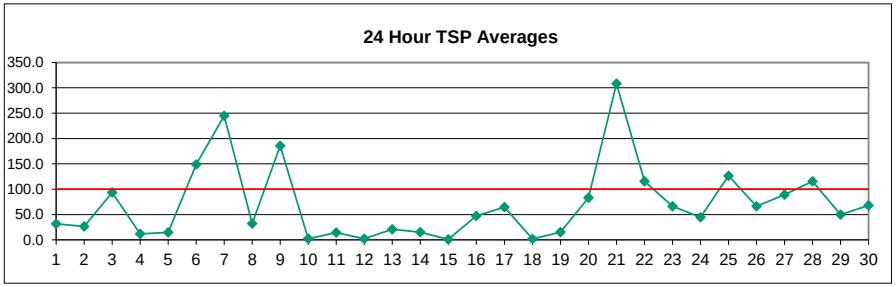
DAY \ HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	8.4	11.4	6.5	4.2	7.0	5.7	4.0	3.5	4.1	2.8	4.6	7.0	3.6	2.4	2.9	2.0	2.2	1.1	10.1	10.1	8.3	4.0	4.3	4.7	5.2	11.4
2	3.0	2.3	1.4	1.8	2.3	5.1	2.5	7.1	13.4	11.3	4.8	3.7	4.2	3.9	3.7	6.6	10.0	10.5	9.0	10.7	5.9	6.2	7.4	4.6	5.9	13.4
3	3.9	3.5	5.9	5.9	5.8	5.4	6.7	8.7	8.6	8.0	10.0	24.9	28.4	K	9.2	9.5	8.8	7.6	17.7	10.7	9.4	7.1	6.6	5.5	9.5	28.4
4	5.0	3.9	4.5	4.9	4.8	4.7	4.7	7.8	23.8	34.5	14.2	8.9	5.1	5.5	5.0	5.2	5.4	6.8	7.5	9.6	10.1	10.0	8.9	4.9	8.6	34.5
5	3.5	4.1	5.6	4.9	4.2	5.2	4.9	9.3	9.9	14.7	15.8	8.0	8.7	9.4	13.2	13.0	10.7	7.5	6.9	6.3	8.4	10.0	9.4	10.0	8.5	15.8
6	9.9	9.3	11.0	10.4	10.9	11.3	12.2	12.2	12.8	11.0	25.4	35.5	43.5	68.3	66.0	63.0	39.8	22.4	77.8	74.6	89.2	66.8	83.2	39.7	37.8	89.2
7	12.3	16.9	27.0	100.7	69.4	68.9	76.3	236.0	175.2	190.8	265.5	138.2	147.7	118.3	50.3	12.9	7.7	5.7	4.5	3.7	2.6	2.3	2.0	2.1	72.4	265.5
8	1.6	1.2	1.1	1.0	0.9	1.5	1.0	87.6	81.0	41.0	19.2	15.6	20.5	9.8	16.6	11.5	15.3	11.9	4.5	5.2	4.4	3.8	5.7	3.7	15.2	87.6
9	3.4	2.6	5.4	35.1	11.4	4.3	21.7	26.7	53.0	19.0	27.0	81.0	76.9	89.9	174.1	214.1	205.0	187.7	121.4	91.9	44.2	25.8	45.8	5.6	65.5	214.1
10	1.2	1.0	2.1	2.2	3.6	1.7	4.6	4.2	2.2	5.1	2.9	1.7	0.9	0.6	0.6	1.0	1.0	1.2	0.9	0.8	2.3	2.5	1.2	2.7	2.0	5.1
11	1.1	1.4	0.5	0.4	2.2	2.0	3.5	1.3	2.6	2.7	2.2	2.3	3.2	2.2	7.8	3.2	3.1	2.3	2.0	1.6	2.2	1.6	1.0	0.9	2.2	7.8
12	1.0	0.8	1.1	1.8	1.5	0.9	2.1	3.2	1.5	1.1	1.0	1.2	1.9	1.9	1.4	1.5	1.8	2.1	1.9	1.4	1.1	1.0	0.9	0.9	1.5	3.2
13	0.9	1.3	2.1	1.3	1.6	1.6	2.4	8.8	9.0	8.5	17.7	26.6	14.9	11.5	12.5	18.5	15.5	6.0	3.0	3.8	12.2	34.5	11.7	6.8	9.7	34.5
14	4.7	4.1	4.6	2.0	3.6	2.5	3.8	27.3	16.3	13.9	11.2	6.8	11.2	16.8	12.7	4.1	2.5	1.5	1.2	0.6	0.4	0.2	0.6	0.5	6.4	27.3
15	0.5	1.2	1.2	1.0	1.2	1.2	1.2	1.1	1.1	1.3	0.6	1.3	1.5	2.3	3.6	1.4	1.7	1.5	1.6	0.7	0.4	1.2	0.5	0.3	1.2	3.6
16	0.4	0.9	1.0	1.1	1.5	1.8	1.6	5.9	8.3	11.1	40.0	18.3	21.5	39.5	41.0	40.1	38.2	22.8	20.6	19.5	38.7	32.0	27.5	30.2	19.3	41.0
17	42.0	34.4	35.5	7.0	7.5	1.3	5.4	10.2	21.4	52.0	51.7	43.3	61.2	41.5	58.3	43.5	28.9	26.2	36.1	20.3	0.6	0.2	0.3	0.4	26.2	61.2
18	0.2	0.2	0.3	0.5	1.3	0.8	0.2	0.6	0.9	0.4	0.3	0.5	0.8	1.4	1.1	0.9	0.6	0.5	0.5	0.8	0.8	0.4	0.9	1.5	0.7	1.5
19	1.4	1.2	0.9	0.7	0.8	0.8	1.1	1.0	1.1	2.1	5.2	6.1	9.8	8.4	9.9	23.4	18.8	10.0	6.4	0.9	1.0	0.5	1.2	0.7	4.7	23.4
20	0.7	3.3	0.7	0.6	0.7	0.9	1.5	6.0	10.9	14.0	29.9	46.3	48.5	55.2	47.5	57.8	61.4	18.6	29.7	32.4	37.2	34.8	18.8	4.1	23.4	61.4
21	2.6	1.6	1.1	1.1	1.2	1.8	7.4	10.1	32.7	109.6	203.5	194.6	153.7	257.4	503.4	556.5	139.0	210.7	93.9	147.5	39.4	50.4	47.9	28.2	116.5	556.5
22	5.1	2.3	1.9	1.5	1.3	1.9	5.5	16.1	41.2	40.9	53.7	60.6	174.7	118.3	107.0	118.1	63.1	33.3	58.3	17.0	9.1	14.4	4.7	1.4	39.6	174.7
23	2.0	0.8	0.7	0.7	0.4	8.3	1.0	9.4	32.5	68.6	89.2	82.6	26.1	82.1	64.9	28.0	12.1	24.7	38.7	5.3	1.2	0.5	0.5	1.2	24.2	89.2
24	1.8	2.1	2.3	2.4	2.5	2.5	2.6	8.3	4.0	18.2	33.2	31.0	47.7	62.3	29.5	37.8	37.3	33.7	15.2	18.8	8.1	2.5	4.8	20.1	17.9	62.3
25	13.9	2.2	2.2	2.2	2.0	2.0	2.2	6.6	13.1	41.5	82.7	71.8	92.9	61.7	47.9	224.6	72.3	9.7	4.1	8.5	0.6	1.2	1.5	0.8	32.0	224.6
26	0.4	0.3	2.0	1.6	1.8	1.1	3.3	6.0	10.2	17.1	52.3	38.1	37.3	51.5	56.4	46.9	27.0	17.5	22.6	8.2	1.5	17.1	1.7	3.3	17.7	56.4
27	7.6	30.3	34.1	39.9	56.5	48.4	52.7	28.9	27.5	45.2	64.4	10.9	1.3	2.3	9.2	13.3	15.7	58.6	38.9	8.3	0.7	1.0	0.9	0.8	24.9	64.4
28	1.4	2.6	1.5	0.4	0.4	0.4	0.9	16.7	12.8	19.2	33.7	35.9	80.0	57.8	37.2	100.5	94.1	46.2	63.5	38.2	19.4	28.5	36.9	15.3	31.0	100.5
29	12.1	6.5	2.4	2.1	3.3	1.3	3.4	57.6	77.6	28.9	46.4	19.1	22.6	20.6	28.2	19.9	21.2	40.6	20.6	9.7	1.9	1.5	1.2	1.1	18.7	77.6
30	1.1	1.2	1.0	0.9	0.9	1.0	5.3	6.1	18.7	26.3	21.0	17.4	24.5	53.7	46.9	44.3	19.2	60.1	114.7	58.3	39.5	30.4	4.7	1.1	24.9	114.7
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	30	719	100%
MEAN	5.1	5.2	5.6	8.0	7.1	6.5	8.2	21.1	24.2	28.7	41.0	34.6	39.2	43.3	48.9	57.4	32.7	29.6	27.8	20.8	13.4	13.1	11.4	6.8		
MAX	42.0	34.4	35.5	100.7	69.4	68.9	76.3	236.0	175.2	190.8	265.5	194.6	174.7	257.4	503.4	556.5	205.0	210.7	121.4	147.5	89.2	66.8	83.2	39.7		



Number of Non-Zero Readings	719		
Maximum 1-HR Average	556.5 UG/M3		
Maximum 24-HR Average	116.5 UG/M3		
		Operational Time	719 HRS
Monthly Calibration	0	Operational Uptime	99.9 %
Standard Deviation	45.43	Monthly Average	22.5 UG/M3

Berm TSP (µg/m^3) – April 2020

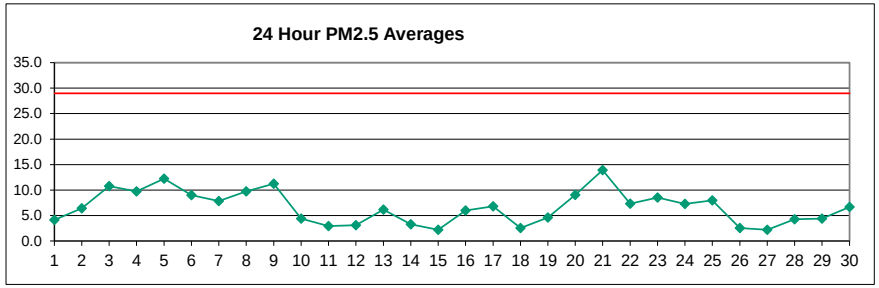
DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	8.1	12.3	6.6	3.8	7.2	5.6	3.5	2.9	3.7	2.3	61.2	152.2	43.9	21.6	21.6	11.0	7.1	0.9	223.5	144.3	8.7	3.1	3.9	4.1	31.8	223.5
2	2.2	1.6	0.9	1.3	1.8	5.1	1.9	7.1	26.1	24.0	5.6	4.7	11.4	11.1	3.5	41.5	117.0	163.0	47.3	128.7	17.7	4.7	5.6	3.0	26.5	163.0
3	2.5	2.3	3.9	3.9	3.9	3.8	5.1	6.6	15.3	59.1	43.3	676.9	682.9	K	40.0	75.8	40.9	19.8	432.9	10.3	9.6	6.0	5.2	3.9	93.7	682.9
4	3.6	2.6	3.0	3.2	3.2	3.0	3.3	12.1	68.3	76.3	25.0	10.4	4.1	5.1	3.3	3.4	5.0	5.2	5.6	7.2	7.5	8.7	5.9	3.3	11.6	76.3
5	2.3	2.7	3.6	3.2	2.7	3.4	3.2	6.4	6.6	12.3	16.4	6.2	9.5	8.2	89.6	130.6	8.1	5.1	5.0	4.8	6.4	7.1	6.2	7.4	14.9	130.6
6	7.1	6.1	7.7	6.8	7.1	7.3	7.9	8.1	8.8	18.8	100.6	154.4	196.2	294.6	308.0	267.3	168.5	111.1	358.3	324.5	402.3	294.1	347.1	161.4	148.9	402.3
7	32.9	60.2	118.9	386.4	298.2	268.2	282.0	774.1	556.7	648.8	869.4	440.1	486.8	446.5	129.8	44.1	12.0	4.2	3.1	2.6	1.7	1.6	2.1	2.0	244.7	869.4
8	1.6	1.2	0.7	0.6	0.6	1.6	0.7	191.2	197.5	89.5	36.8	29.3	42.5	20.8	33.7	25.0	32.0	24.5	6.7	5.3	4.9	3.4	13.0	5.0	32.0	197.5
9	3.5	3.3	15.6	169.2	39.6	9.5	65.2	55.2	143.2	42.1	60.0	203.1	187.3	210.4	512.0	608.2	685.8	588.2	333.7	237.9	120.2	56.7	101.6	4.9	185.7	685.8
10	0.8	0.7	1.5	1.7	3.2	1.1	7.4	5.8	1.6	11.4	6.1	1.4	0.6	0.4	0.4	0.7	0.6	0.8	0.6	0.5	1.9	2.3	0.9	2.6	2.3	11.4
11	0.9	1.3	0.3	0.3	2.1	1.7	2.6	0.8	2.1	2.4	1.8	2.0	3.0	8.1	247.7	59.1	2.9	1.9	1.6	1.1	1.5	1.1	0.7	0.6	14.5	247.7
12	0.7	0.5	0.7	1.3	1.1	0.6	1.6	2.3	1.0	1.5	0.6	3.3	2.8	19.3	6.0	1.9	2.3	2.0	2.0	1.5	0.8	0.9	0.6	0.6	2.3	19.3
13	0.6	1.0	1.7	0.9	1.0	1.1	2.4	19.0	15.9	14.6	39.8	51.1	22.4	19.8	18.3	28.4	28.9	9.8	3.4	10.5	57.7	87.8	41.1	21.9	20.8	87.8
14	15.4	14.3	12.9	2.7	10.6	6.9	7.0	83.9	41.1	23.6	20.6	15.4	20.3	28.1	41.6	9.5	3.8	1.8	2.6	0.4	0.3	0.1	0.4	0.3	15.1	83.9
15	0.3	0.9	0.9	0.7	0.8	0.8	0.8	0.8	0.8	1.1	2.3	2.3	1.3	2.0	3.7	1.1	1.6	1.2	1.4	0.5	0.3	0.8	0.4	0.2	1.1	3.7
16	0.3	0.7	0.6	0.8	1.3	1.5	6.1	37.0	22.5	36.4	108.5	39.1	57.6	63.1	60.3	65.1	65.5	62.2	72.1	56.7	114.2	103.5	97.7	62.8	47.3	114.2
17	109.4	72.5	109.7	25.4	32.6	1.9	11.3	11.5	43.7	126.6	173.6	130.9	171.5	104.6	148.3	106.7	53.4	38.8	50.9	22.5	0.4	0.2	0.2	0.2	64.4	173.6
18	0.1	0.1	0.2	0.3	0.9	0.5	0.1	0.5	0.8	0.3	0.2	3.3	4.8	18.3	6.2	0.7	6.3	0.3	0.3	0.5	0.5	0.3	0.6	1.0	2.0	18.3
19	0.9	0.8	0.6	0.5	0.5	0.5	0.8	0.8	1.4	5.9	10.1	16.4	33.6	24.7	28.9	98.0	82.0	28.4	18.8	1.0	4.2	0.6	1.7	0.9	15.1	98.0
20	0.5	3.8	0.4	2.5	0.4	0.8	5.0	11.7	21.4	29.7	59.0	131.9	177.0	202.6	161.7	163.9	258.8	50.9	121.3	146.9	173.9	163.7	89.2	14.0	83.0	258.8
21	8.3	2.2	0.7	0.8	1.3	1.3	11.5	15.5	72.4	273.4	475.2	469.3	356.4	592.4	1324.7	1519.5	433.1	608.8	293.8	463.6	118.3	166.1	151.5	40.4	308.4	1519.5
22	8.9	3.4	4.1	5.4	2.2	2.5	10.7	42.6	102.2	116.4	146.2	186.9	555.7	378.0	281.5	355.3	192.9	107.1	163.0	41.8	17.8	32.8	9.3	1.2	115.3	555.7
23	2.1	1.1	0.5	0.4	0.3	18.2	0.6	18.1	60.2	145.5	217.6	208.9	74.4	247.2	182.4	118.4	32.6	66.6	179.3	9.4	1.1	0.3	0.3	0.8	66.1	247.2
24	1.1	1.9	1.5	1.6	1.6	1.6	1.7	22.9	4.3	43.3	76.9	90.0	137.3	154.1	73.3	87.2	142.3	102.0	32.2	28.3	12.4	3.5	5.2	40.8	44.5	154.1
25	39.2	2.5	1.4	1.6	1.4	1.3	1.6	10.3	34.1	143.7	347.5	258.9	355.5	212.5	198.1	973.9	326.6	48.6	9.4	52.5	0.4	2.0	4.4	2.5	126.2	973.9
26	0.7	0.2	4.2	2.9	3.7	2.3	7.1	16.2	36.2	62.4	255.3	151.3	154.8	184.0	234.7	178.4	104.0	44.0	81.0	27.4	4.0	28.4	1.5	7.8	66.4	255.3
27	26.7	66.0	108.1	144.5	220.9	182.0	190.9	94.1	105.7	149.8	233.2	28.2	1.5	3.2	26.9	38.3	54.1	271.5	155.7	29.2	0.5	1.7	2.5	0.7	89.0	271.5
28	7.2	10.4	5.4	0.2	0.3	0.3	0.6	52.9	36.9	50.3	95.9	119.8	272.2	197.6	134.3	376.0	353.6	197.4	270.2	152.9	97.3	109.5	160.7	70.9	115.5	376.0
29	35.7	26.4	6.8	5.3	18.4	2.0	6.5	174.8	223.3	68.2	107.9	42.8	52.2	51.6	59.3	69.2	58.0	105.8	46.9	22.3	2.6	2.3	2.1	0.7	49.6	223.3
30	0.9	1.3	0.7	0.6	0.6	2.1	7.7	13.3	46.2	69.9	36.3	40.1	102.3	163.2	149.2	135.8	55.3	177.8	281.1	158.1	102.9	76.2	8.6	1.0	68.0	281.1
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	30	719	100%
MEAN	10.8	10.1	14.1	26.0	22.3	17.9	21.9	56.6	63.3	78.3	121.1	122.4	140.7	127.4	151.0	186.5	111.2	95.0	106.8	69.8	43.1	39.0	35.7	15.6		
MAX	109.4	72.5	118.9	386.4	298.2	268.2	282.0	774.1	556.7	648.8	869.4	676.9	682.9	592.4	1324.7	1519.5	685.8	608.8	432.9	463.6	402.3	294.1	347.1	161.4		



Number of 24HR Exceedences	7	Proposed Guideline	
Number of Non-Zero Readings	719		
Maximum 1-HR Average	1519.5	UG/M3	
Maximum 24-HR Average	308.4	UG/M3	
IZS Calibration Time		Operational Time	719 HRS
Monthly Calibration	0	Operational Uptime	99.9 %
Standard Deviation	143.7	Monthly Average	70.2 UG/M3

Entrance $PM_{2.5}$ (µg/m^3) – April 2020

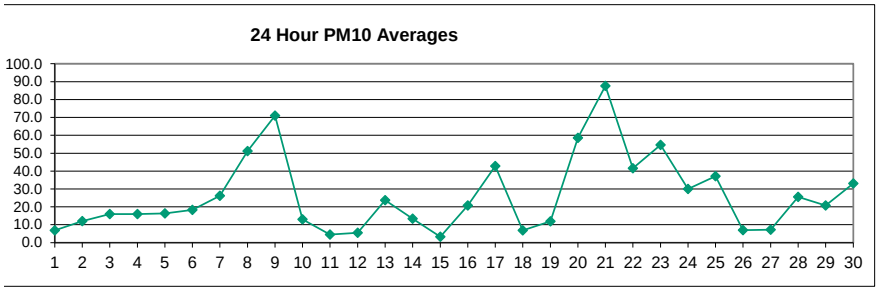
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	6.8	8.0	3.9	3.7	5.8	4.5	3.6	3.2	5.2	2.8	2.6	3.1	3.1	2.8	2.6	2.7	2.4	2.5	4.2	5.9	7.9	3.2	3.3	4.6	4.1	8.0
2	4.2	4.5	2.7	3.8	4.3	6.8	8.8	9.2	9.6	4.6	5.0	5.2	4.7	5.2	6.4	6.6	7.0	7.6	6.7	7.2	8.0	6.7	9.3	9.2	6.4	9.6
3	9.0	8.2	9.1	8.8	9.5	8.5	12.9	14.4	11.0	9.5	10.8	12.4	20.5	14.8	13.4	12.5	11.5	11.2	11.5	8.4	10.0	7.4	6.6	6.7	10.8	20.5
4	6.5	6.4	6.9	7.2	7.2	7.5	9.4	17.5	15.6	10.3	9.1	8.2	8.6	8.8	8.5	7.8	8.2	9.9	9.4	11.6	11.1	11.8	13.3	12.6	9.7	17.5
5	9.9	9.4	9.3	10.6	11.4	10.0	10.8	13.5	16.9	15.0	15.0	12.3	13.9	15.1	14.3	15.0	14.1	11.6	9.2	8.9	10.3	12.1	12.6	12.2	12.2	16.9
6	12.4	13.5	14.6	15.1	14.9	15.4	16.2	15.8	17.3	13.1	7.7	7.5	7.3	5.5	5.7	4.7	3.3	2.3	2.9	3.2	3.3	5.1	4.8	3.6	9.0	17.3
7	3.6	3.0	3.0	4.5	4.8	6.0	5.0	10.1	13.2	11.8	13.0	10.5	8.9	8.2	11.4	14.6	12.2	10.5	8.3	4.9	4.6	5.0	4.5	6.0	7.8	14.6
8	5.1	2.7	2.5	4.0	18.6	29.0	17.1	10.0	4.9	5.4	15.1	20.1	9.1	13.6	13.0	8.8	8.8	5.2	5.6	4.3	5.7	5.9	10.6	8.2	9.7	29.0
9	6.9	4.9	9.2	14.3	18.0	27.9	20.9	21.6	15.2	10.7	17.0	12.0	10.9	7.5	8.3	6.8	8.2	3.2	3.0	2.9	2.9	3.0	7.9	26.3	11.2	27.9
10	12.0	6.7	4.0	3.7	5.8	4.7	5.1	6.6	4.6	10.1	7.3	3.9	2.2	1.3	1.8	3.0	2.4	3.3	5.6	2.6	2.6	2.9	1.3	1.2	4.4	12.0
11	0.9	1.0	0.7	0.8	2.0	1.9	1.9	1.9	2.6	4.0	3.4	4.6	4.8	2.8	4.4	4.8	4.7	3.7	3.5	4.5	4.2	3.4	2.0	1.8	2.9	4.8
12	5.3	3.6	3.7	4.0	3.3	4.5	4.7	4.7	2.7	1.6	1.6	1.9	3.5	2.8	3.2	2.9	3.1	2.6	2.5	2.3	2.5	2.5	2.5	1.7	3.1	5.3
13	2.5	3.3	4.3	4.8	12.7	12.7	9.8	12.8	13.1	11.1	9.7	7.4	6.1	5.1	4.7	5.7	4.1	2.3	3.3	3.2	2.2	2.3	2.0	2.0	6.1	13.1
14	2.0	1.9	2.1	2.2	2.3	2.7	4.8	3.5	4.0	7.3	5.0	5.7	7.8	4.5	2.6	2.7	5.2	2.8	1.9	2.0	3.1	0.5	0.7	1.1	3.3	7.8
15	1.0	1.5	2.5	1.7	2.1	3.0	2.6	3.5	2.7	3.1	1.3	2.2	2.6	2.5	3.3	3.0	1.5	1.9	1.5	1.2	1.1	1.8	1.3	3.4	2.2	3.5
16	21.7	3.1	5.2	6.3	6.2	8.2	9.0	11.2	11.2	4.0	5.8	6.9	5.7	5.5	4.1	5.6	3.8	2.7	3.9	4.7	2.7	2.2	1.7	1.7	6.0	21.7
17	1.6	1.6	2.0	3.2	4.3	18.9	22.8	26.4	15.2	12.2	12.4	7.3	8.0	5.6	3.2	4.4	2.5	3.4	1.4	2.5	1.1	0.5	1.0	1.3	6.8	26.4
18	0.7	1.4	1.0	1.0	2.7	1.5	0.2	0.3	0.7	0.9	0.4	1.6	2.6	5.8	6.0	4.2	3.5	1.4	1.5	2.0	1.7	4.1	8.5	6.8	2.5	8.5
19	10.2	7.1	7.8	4.8	7.4	7.3	6.7	9.7	9.1	4.6	4.9	3.6	2.8	1.9	1.6	3.1	1.9	1.3	2.1	4.5	2.4	1.7	2.2	1.4	4.6	10.2
20	2.4	5.3	4.0	3.4	9.0	21.2	8.1	8.2	14.9	15.6	15.2	24.9	13.1	9.1	7.1	6.4	16.8	2.2	7.0	13.0	3.5	2.8	1.6	1.7	9.0	24.9
21	1.9	2.2	4.0	6.8	15.4	15.3	16.7	34.5	24.2	31.0	27.5	24.9	28.0	21.7	19.5	26.4	9.3	5.6	4.1	4.9	3.9	2.7	1.8	1.6	13.9	34.5
22	1.5	1.8	1.9	6.0	4.5	8.1	8.0	11.0	9.5	15.1	12.5	18.1	14.1	13.0	4.5	8.4	2.4	1.6	2.0	1.7	4.5	5.4	6.9	12.9	7.3	18.1
23	15.4	16.7	7.3	7.8	7.1	14.8	15.7	24.0	17.5	10.6	6.8	8.2	11.8	6.6	7.4	3.3	2.4	2.2	4.0	4.3	1.0	0.9	1.5	7.0	8.5	24.0
24	7.4	7.8	8.1	6.4	11.1	13.9	9.9	19.3	9.5	6.6	7.3	8.4	10.2	7.6	6.6	6.4	5.3	4.9	2.6	2.9	2.8	2.8	3.3	2.8	7.2	19.3
25	2.7	3.3	3.8	6.7	8.4	5.0	4.8	6.9	5.4	5.8	6.4	4.8	3.8	3.3	2.3	12.8	5.0	78.4	8.8	4.7	4.3	1.3	1.2	1.4	8.0	78.4
26	0.4	1.5	0.9	0.5	0.5	0.3	0.6	1.0	1.7	2.3	2.4	2.4	2.5	4.1	4.2	4.5	5.3	4.6	3.1	3.3	2.9	2.6	4.8	4.0	2.5	5.3
27	1.7	1.5	1.4	1.8	2.8	2.5	3.8	2.5	3.8	3.4	5.3	3.2	1.2	1.8	3.7	2.6	1.3	1.3	1.4	1.1	1.1	1.2	0.8	1.4	2.2	5.3
28	0.9	0.8	0.9	3.3	8.3	8.1	13.4	5.1	5.8	4.0	4.8	2.7	3.9	2.2	2.3	3.6	2.7	2.4	5.3	5.8	4.8	4.6	3.7	2.4	4.2	13.4
29	1.4	0.9	1.0	1.3	1.0	2.2	3.5	8.1	12.7	7.5	4.1	4.1	4.4	3.8	3.3	4.1	2.8	2.3	1.8	1.7	1.7	7.9	9.2	14.7	4.4	14.7
30	16.6	9.8	3.6	5.7	7.5	14.2	8.9	32.0	10.0	3.8	1.0	3.3	2.0	2.1	3.1	1.5	2.7	4.2	3.2	4.2	1.2	1.4	12.2	5.3	6.6	32.0
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	5.8	4.8	4.4	5.1	7.3	9.6	8.9	11.6	9.7	8.3	8.0	8.1	7.6	6.5	6.1	6.6	5.5	6.6	4.4	4.5	4.0	3.8	4.8	5.6		
MAX	21.7	16.7	14.6	15.1	18.6	29.0	22.8	34.5	24.2	31.0	27.5	24.9	28.0	21.7	19.5	26.4	16.8	78.4	11.5	13.0	11.1	12.1	13.3	26.3		



Number of 24HR Exceedences	0	Proposed Guideline	
Number of Non-Zero Readings	720		
Maximum 1-HR Average	78.4	UG/M3	
Maximum 24-HR Average	13.9	UG/M3	
		Opperational Time	720 HRS
Monthly Calibration	0	Opperational Uptime	100.0 %
Standard Deviation	6.048	Monthly Average	6.6 UG/M3

Entrance PM_{10} (µg/m^3) – April 2020

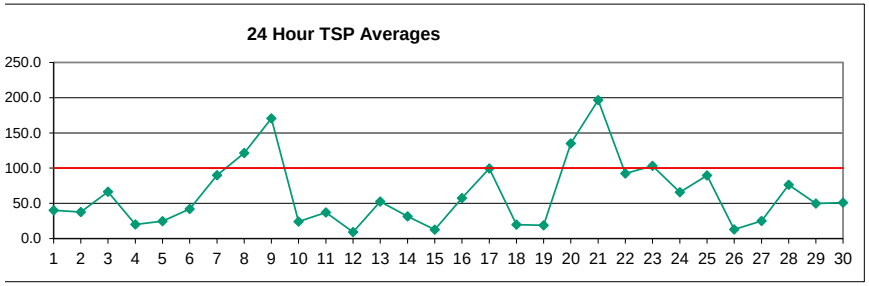
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	8.6	11.0	5.2	4.6	7.9	6.2	4.5	4.4	11.0	6.1	5.9	7.2	6.5	7.8	4.7	6.3	5.5	3.4	14.2	8.9	11.1	3.9	3.9	6.0	6.9	14.2
2	5.2	5.5	3.1	5.1	5.9	10.1	11.1	13.5	27.0	9.5	12.4	14.9	11.2	14.3	17.0	17.2	18.4	18.6	11.0	13.6	12.9	7.2	11.9	10.9	12.0	27.0
3	10.2	10.1	12.0	10.8	11.5	9.8	14.9	17.1	17.9	16.8	21.6	42.5	36.9	20.2	15.4	17.5	16.3	16.0	18.4	10.5	13.1	8.5	7.1	7.4	15.9	42.5
4	7.0	7.0	7.5	7.6	7.4	8.6	12.4	58.0	55.2	15.1	12.1	12.0	16.1	16.6	14.9	12.0	13.8	14.4	14.2	14.6	12.4	13.6	16.1	14.3	16.0	58.0
5	11.4	10.8	10.1	11.9	14.2	11.7	13.9	17.0	23.9	23.3	33.4	22.2	24.5	25.0	23.4	17.3	16.1	12.3	9.8	9.6	11.5	12.8	13.1	13.0	16.3	33.4
6	13.2	13.9	15.3	15.4	15.1	15.8	17.0	18.7	27.7	36.2	33.1	35.8	32.4	28.1	26.8	20.2	11.7	3.8	9.4	10.9	8.2	12.0	12.5	6.0	18.3	36.2
7	5.5	4.5	5.1	14.3	16.3	29.8	19.1	48.4	76.3	52.3	65.3	38.6	29.4	29.2	42.6	39.7	27.3	17.3	10.4	5.6	5.4	6.2	5.6	32.5	26.1	76.3
8	19.4	4.0	3.3	13.4	173.3	43.2	40.4	78.1	17.6	26.0	117.3	169.9	50.9	100.2	78.3	45.0	45.8	21.5	18.5	9.8	19.4	21.3	76.2	34.6	51.1	173.3
9	29.0	15.2	60.4	71.9	103.8	214.3	133.9	152.9	93.9	58.6	123.4	73.3	72.3	47.2	47.6	38.4	50.9	14.5	13.2	7.5	6.6	7.9	53.0	214.7	71.0	214.7
10	66.7	33.9	14.0	7.1	24.6	15.2	7.5	23.8	11.1	48.7	19.1	5.5	2.6	1.4	1.9	3.3	2.7	3.5	5.9	2.8	3.1	3.7	1.4	1.4	13.0	66.7
11	1.0	1.3	0.8	0.9	2.6	2.3	2.2	2.1	3.2	4.5	4.1	6.2	6.2	4.0	20.0	13.8	6.4	4.6	3.9	5.2	4.5	3.7	2.1	2.0	4.5	20.0
12	7.6	4.8	5.0	5.3	4.2	6.0	6.3	6.7	3.9	3.3	2.1	2.4	6.0	5.8	10.9	10.2	11.2	6.5	6.1	6.1	4.5	2.9	3.0	1.9	5.5	11.2
13	3.2	4.4	6.0	6.7	19.0	19.0	35.2	75.1	80.8	64.8	60.4	44.0	33.1	20.3	20.5	24.1	17.2	5.1	7.8	8.0	5.1	4.3	3.0	3.5	23.8	80.8
14	3.3	2.3	2.6	4.0	3.8	7.2	25.8	15.1	16.9	39.1	25.4	25.7	47.2	24.7	10.4	15.3	29.5	8.7	3.5	2.5	4.1	0.6	0.8	1.2	13.3	47.2
15	1.1	1.7	3.1	1.9	2.3	3.6	3.0	4.3	4.8	4.3	1.9	5.9	5.2	5.5	4.6	8.5	1.9	2.5	1.7	1.4	1.2	2.0	1.5	4.9	3.3	8.5
16	32.1	4.1	7.6	9.4	9.3	12.2	34.2	72.7	69.0	24.5	29.2	32.4	27.8	27.9	17.2	20.9	13.4	6.5	12.2	14.8	8.2	5.0	3.2	3.3	20.7	72.7
17	2.6	2.4	3.7	12.6	19.8	144.6	168.8	208.1	113.3	85.7	81.3	40.5	43.7	25.2	14.5	22.2	10.6	16.2	2.6	4.8	1.3	0.5	1.1	1.4	42.8	208.1
18	0.9	1.9	1.2	1.1	3.3	1.8	0.2	0.3	0.8	0.9	0.5	4.4	11.6	35.8	28.0	17.9	17.4	2.1	1.7	2.4	1.9	5.9	12.7	9.9	6.9	35.8
19	15.3	10.5	11.6	7.0	10.9	10.9	10.1	32.7	38.7	17.7	11.3	14.3	10.6	6.1	5.1	13.8	5.8	3.4	5.1	20.8	9.8	4.6	6.7	3.3	11.9	38.7
20	8.7	26.7	21.8	21.4	55.2	146.8	60.7	60.1	120.6	94.6	99.7	218.3	87.8	56.3	44.1	31.1	76.6	7.7	38.9	92.5	17.8	11.4	2.9	2.7	58.5	218.3
21	3.2	4.5	10.9	27.6	87.6	91.3	110.8	272.2	161.0	227.9	187.5	165.0	177.4	151.4	132.4	169.1	49.6	23.7	12.2	14.9	10.6	6.2	2.9	2.1	87.6	272.2
22	1.9	2.6	3.9	22.5	15.6	36.2	41.2	70.5	46.1	88.3	79.6	138.1	94.8	86.8	25.1	54.1	9.8	4.6	7.8	5.3	18.3	23.2	36.3	86.0	41.6	138.1
23	92.5	108.9	42.6	51.9	45.3	90.3	97.2	184.1	124.0	71.4	49.5	62.6	112.1	43.3	66.6	18.8	7.4	3.6	14.5	8.3	1.3	1.1	2.0	10.5	54.6	184.1
24	11.0	17.5	32.0	21.9	61.6	78.0	49.5	122.2	44.6	25.9	29.3	36.7	52.5	27.0	18.0	21.1	20.8	21.5	4.3	6.9	4.3	3.8	5.6	3.4	30.0	122.2
25	3.5	8.3	11.8	32.4	38.7	18.3	13.5	32.4	19.0	30.3	37.2	24.5	25.3	18.8	12.1	104.2	32.4	346.8	40.5	17.3	13.5	3.2	3.3	4.7	37.2	346.8
26	0.7	4.6	1.9	1.0	1.1	0.4	0.8	3.5	6.7	8.4	10.4	6.0	6.8	9.8	9.1	11.8	18.7	11.8	5.9	6.5	6.3	6.1	16.6	12.5	7.0	18.7
27	3.3	1.9	2.7	3.8	6.8	6.5	13.9	5.8	16.9	15.5	23.0	8.9	1.3	5.4	11.9	11.8	4.5	7.8	7.4	3.2	3.1	2.9	1.5	3.6	7.2	23.0
28	1.9	1.6	2.8	14.7	58.5	54.5	100.6	34.2	29.2	21.8	27.0	16.1	24.4	14.4	12.4	27.3	15.9	11.2	32.8	35.6	31.7	24.1	13.0	8.3	25.6	100.6
29	2.9	1.0	1.2	2.3	1.3	8.3	17.8	58.3	92.2	51.0	20.8	17.6	15.3	18.2	13.1	12.9	11.5	8.9	3.8	3.0	2.9	29.4	37.1	67.8	20.8	92.2
30	65.7	42.4	13.3	28.6	52.0	92.9	55.5	177.7	50.5	23.3	3.4	14.7	6.3	10.4	9.1	4.5	9.5	10.4	8.8	10.8	2.0	3.0	66.7	33.2	33.1	177.7
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	14.6	12.3	10.7	14.6	29.3	39.9	37.4	62.3	46.8	39.9	40.9	43.5	35.9	29.6	25.3	27.7	19.3	21.3	11.5	12.1	8.5	8.0	14.1	20.2		
MAX	92.5	108.9	60.4	71.9	173.3	214.3	168.8	272.2	161.0	227.9	187.5	218.3	177.4	151.4	132.4	169.1	76.6	346.8	40.5	92.5	31.7	29.4	76.2	214.7		



Number of Non-Zero Readings	720		
Maximum 1-HR Average	346.8 UG/M3		
Maximum 24-HR Average	87.6 UG/M3		
		Opperational Time	720 HRS
Monthly Calibration	0	Opperational Uptime	100.0 %
Standard Deviation	38.87	Monthly Average	26.1 UG/M3

Entrance TSP (μg/m^3) – April 2020

Day	HOUR 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	7.9	11.4	5.3	4.2	8.3	6.4	4.0	4.3	122.5	61.5	91.7	102.9	71.8	25.7	26.5	42.6	20.1	4.1	274.4	44.4	11.9	3.1	2.9	5.2	40.1	274.4
2	3.9	4.1	2.2	4.4	5.5	10.9	9.7	14.6	97.8	19.7	26.2	29.4	22.0	47.6	43.9	57.7	120.0	158.0	62.8	98.3	42.4	4.9	9.7	8.3	37.7	158.0
3	6.8	7.6	9.8	7.9	8.7	7.5	11.8	13.4	58.4	45.2	74.3	547.1	318.7	112.2	52.4	40.2	47.8	41.8	142.4	9.9	13.7	6.7	5.1	5.2	66.4	547.1
4	4.8	4.8	5.1	5.1	5.0	6.1	9.4	83.2	96.9	16.2	10.8	20.0	29.2	30.8	22.3	17.2	19.9	18.3	21.0	18.8	9.0	9.9	11.0	9.6	20.2	96.9
5	8.0	7.5	6.6	8.3	12.7	9.4	10.7	13.6	19.9	22.3	62.3	44.5	44.5	48.5	185.4	14.8	13.5	8.8	7.0	7.1	8.9	9.1	8.9	9.3	24.7	185.4
6	9.5	9.2	10.6	10.2	9.8	10.3	11.2	15.1	33.8	58.0	83.3	82.9	97.6	106.2	108.4	68.8	49.1	11.3	49.4	52.0	40.8	28.8	47.0	9.8	42.2	108.4
7	10.5	16.7	13.2	59.0	48.9	107.4	79.1	189.9	275.4	194.1	289.9	145.5	87.6	103.0	126.0	177.1	101.2	33.8	8.7	4.0	3.8	4.6	4.8	72.9	89.9	289.9
8	43.4	5.5	2.7	37.2	349.9	49.5	66.3	193.9	40.0	45.6	259.1	291.1	134.1	328.9	275.1	154.7	140.1	56.2	37.6	20.8	69.3	40.2	160.2	112.4	121.4	349.9
9	118.9	45.8	227.9	182.6	219.0	540.5	341.6	428.9	251.3	110.3	228.6	159.4	188.7	112.9	133.7	102.9	194.1	49.5	55.1	14.5	10.9	9.2	76.8	289.3	170.5	540.5
10	68.5	29.7	16.1	12.7	87.9	48.1	7.7	65.9	20.5	142.1	53.4	5.0	1.9	0.9	1.3	2.1	1.7	2.3	3.8	1.9	2.4	2.8	1.0	1.0	24.2	142.1
11	0.6	1.0	0.5	0.6	2.2	1.8	1.5	1.5	2.6	3.3	3.4	5.9	5.9	18.2	587.1	230.8	6.0	3.6	2.7	3.9	3.0	2.5	1.4	1.4	37.1	587.1
12	7.4	3.7	4.1	4.2	3.1	5.0	4.9	7.3	3.6	4.7	17.6	2.6	14.6	15.0	32.9	21.5	27.2	14.6	12.6	8.7	5.2	2.1	2.2	1.2	9.4	32.9
13	2.6	3.6	5.5	6.4	21.5	21.8	63.6	181.3	216.9	120.1	147.1	129.5	86.1	51.6	43.8	62.9	34.7	12.8	9.0	11.2	11.5	6.0	4.3	7.4	52.6	216.9
14	12.4	1.8	1.8	7.1	5.1	14.5	58.5	43.9	46.9	101.5	57.7	59.2	131.2	73.6	26.5	29.2	46.8	27.7	4.4	2.3	3.8	0.4	0.5	0.8	31.6	131.2
15	0.7	1.2	2.5	1.3	1.5	2.6	2.1	3.0	45.6	5.0	3.9	78.2	24.5	84.6	4.7	32.2	3.0	2.1	1.2	1.0	0.8	1.4	1.1	5.1	12.9	84.6
16	36.1	3.4	7.6	10.2	10.4	14.0	82.4	235.0	216.8	165.9	121.4	101.0	82.0	69.5	41.2	52.8	25.1	12.8	18.2	32.1	18.6	14.9	5.2	7.1	57.7	235.0
17	4.1	4.0	4.5	34.7	56.6	362.9	374.0	391.8	252.0	226.8	243.8	115.6	97.4	60.6	34.6	51.0	24.0	37.0	3.4	9.0	1.0	0.4	0.7	0.9	99.6	391.8
18	0.6	1.6	0.9	0.7	2.3	1.2	0.1	0.2	0.6	0.6	0.3	12.3	57.8	120.4	121.3	55.3	65.4	2.5	1.2	1.9	1.4	5.9	13.5	9.6	19.9	121.3
19	16.8	10.9	12.5	6.9	11.6	11.9	11.0	46.2	59.7	18.8	24.6	26.2	27.0	11.6	17.5	35.0	11.0	6.0	9.2	41.0	20.7	6.1	11.0	4.0	19.0	59.7
20	18.0	54.5	51.0	78.2	170.4	322.6	152.4	161.4	333.0	187.2	209.9	477.9	200.5	143.3	115.4	69.1	135.0	18.5	74.7	177.3	51.2	26.8	7.5	3.5	135.0	477.9
21	4.7	5.4	12.1	39.5	145.4	194.0	263.9	468.4	276.6	429.0	418.2	378.2	429.0	342.4	398.1	586.1	150.4	66.1	35.9	38.4	16.0	10.7	3.1	3.4	196.5	586.1
22	1.8	1.8	8.2	30.2	21.9	63.6	96.2	152.0	108.1	207.8	159.3	331.8	262.1	243.2	66.6	172.2	22.0	9.3	12.8	8.6	21.2	39.9	64.6	112.0	92.4	331.8
23	102.1	100.5	49.9	75.1	66.2	140.6	157.5	314.8	233.4	157.6	123.6	146.8	266.5	127.0	237.2	71.4	12.0	7.7	62.1	7.2	1.4	0.8	1.8	11.6	103.1	314.8
24	11.6	31.1	55.9	41.6	146.0	212.9	92.5	291.5	79.5	53.7	53.0	84.5	131.6	81.8	40.1	48.3	46.9	40.5	4.5	10.8	4.4	3.9	7.7	3.0	65.7	291.5
25	7.9	17.9	41.5	79.0	94.1	73.7	42.6	71.1	34.2	92.8	178.3	108.4	161.5	82.9	34.4	496.1	156.4	282.4	43.0	22.9	14.0	6.2	5.1	5.1	89.6	496.1
26	1.3	3.7	1.6	0.7	1.2	1.5	0.8	13.0	14.8	23.0	57.7	15.5	23.9	23.2	15.8	20.6	31.8	12.0	9.5	4.7	4.4	5.8	15.2	12.2	13.1	57.7
27	2.8	2.9	11.1	15.7	12.2	33.1	61.8	13.2	62.0	57.5	62.6	23.3	0.9	9.1	30.9	38.2	24.0	63.0	54.6	7.2	6.8	3.0	1.6	4.3	25.1	63.0
28	1.7	1.6	7.9	24.2	134.3	133.6	206.9	79.1	49.2	58.5	84.8	46.4	100.6	59.7	66.6	139.1	53.5	41.3	147.8	148.6	121.1	73.8	37.0	14.7	76.3	206.9
29	3.5	0.7	1.3	4.9	1.4	18.3	46.7	222.4	322.2	142.0	50.8	31.7	23.2	52.3	34.7	23.5	23.3	26.3	4.0	3.6	2.7	38.1	45.3	74.2	49.9	322.2
30	70.2	54.0	18.4	29.5	78.6	153.6	93.4	184.8	84.3	80.0	10.8	49.7	23.9	42.8	24.8	10.8	24.8	14.2	12.2	10.9	1.5	4.0	92.5	54.9	51.0	184.8
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	19.6	14.9	19.9	27.4	58.1	86.0	78.8	130.1	115.3	95.0	107.0	121.7	104.9	87.6	98.3	97.5	54.4	36.2	39.5	27.4	17.5	12.4	21.6	28.6		
MAX	118.9	100.5	227.9	182.6	349.9	540.5	374.0	468.4	333.0	429.0	418.2	547.1	429.0	342.4	587.1	586.1	194.1	282.4	274.4	177.3	121.1	73.8	160.2	289.3		



Number of 24HR Exceedences	5	Proposed Guideline	
Number of Non-Zero Readings	720		
Maximum 1-HR Average	587.1	UG/M3	
Maximum 24-HR Average	196.5	UG/M3	
		Opperational Time	720 HRS
Monthly Calibration	0	Opperational Uptime	100.0 %
Standard Deviation	93.0	Monthly Average	62.5 UG/M3