LAFARGE CANADA INC.

AMBIENT AIR QUALITY MONTHLY REPORT

MAY 2024

JUNE 27, 2024

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MAY 2024

LAFARGE CANADA INC.

PROJECT NO.: 171-00556-05
DATE: JUNE 27, 2024

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June 27, 2024

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

Attention: Nikolaos Veriotes P. Eng.

Dear Mr. Veriotes,

Subject: Ambient Air Quality Monthly Report – May 2024

The following table summarizes the data completeness and reported exceedances of Alberta Ambient Air Quality Objectives (AAAQOs) or Guidelines (AAAQG) at the Lagoon Station for May 2024.

Lagoon	Data Completeness (%)	1-Hour Average	24-hour Average
		Exceedances of AAAQO or AAAQG	Exceedances of AAAQO
TSP	98.9%	-	0
$PM_{2.5}$	100.0%	2	0
PM_{10}	96.1%	-	-
NO	100.0%	-	-
NO_2	100.0%	0	-
NO_x	100.0%	-	-
SO_2	100.0%	0	0
Temperature	100.0%	-	-
Wind Speed / Direction	100.0%	-	-
Pressure	100.0%	-	-
Relative Humidity	100.0%	-	-
Precipitation	100.0%	-	-

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The following table summarizes the data completeness and reported exceedances of Alberta Ambient Air Quality Objectives (AAAQOs) or Guidelines (AAAQG) at the Windridge Station for May 2024.

Windridge	Data Completeness (%)	1-Hour Average	24-hour Average	
		Exceedances of AAAQG	Exceedances of $PM_{2.5}$ AAAQO	Exceedances of TSP AAAQO
TSP	99.9%	-	-	5
$PM_{2.5}$	99.9%	0	0	-
PM_{10}	99.9%	-	-	-

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. This Program uses the AAAQOs as Guidelines. The following table summarizes the data completeness and exceedances of the Guidelines at the GRIMM Monitors for May 2024.

GRIMM Stations	Data Completeness (%)	1-Hour Average	24-hour Average	
		Exceedances of $PM_{2.5}$ Guidelines	Exceedances of $PM_{2.5}$ Guidelines	Exceedances of TSP Guidelines
West	100.0%	2	0	0
Berm	0%	0	0	0
Entrance	99.7%	2	1	22

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.
Senior Air Quality Specialist,
Vancouver Region

SIGNATURES

PREPARED BY

June 27, 2024

Tuonan Li, M.Sc.
Air Quality Specialist
Vancouver Region, Environment

Date

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

June 27, 2024

Tyler Abel, M.Sc.
Senior Air Quality Specialist
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.

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1 INTRODUCTION

This report summarizes the ambient air quality and meteorological data collected at the Lagoon, Windridge, and GRIMM monitors in Exshaw, AB (Figure 1-1). 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 May 1, 2024 and May 31, 2024.

This monthly report was prepared by Tuonan Li, Air Quality Specialist with WSP, on behalf of Lafarge and was reviewed by Tyler Abel, Senior Air Quality Specialist at WSP.

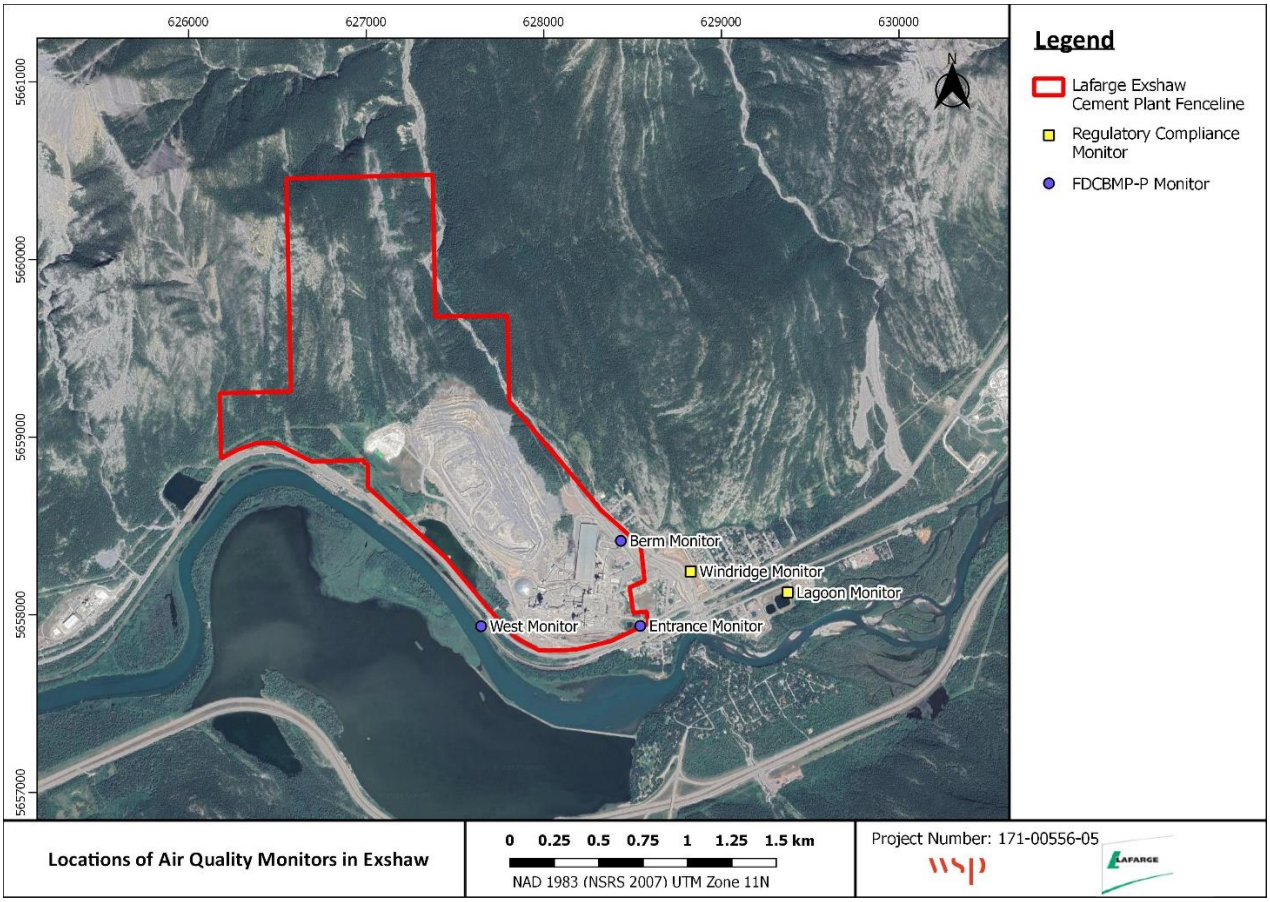

Figure 1-1 Locations of Air Quality Monitors in Exshaw

1.1 EXSHAW CREEK FLOOD MITIGATION

Due to flood mitigation construction at Exshaw creek (Figure 1-2), the Windridge monitoring station was taken out of operation and removed from the site on April 8, 2019. The flood mitigation work was completed in Summer 2020. The Windridge station was reinstalled on September 1, 2020. The flood mitigation work has left an exposed creek bed area (see Figure below) that is a potential source of fugitive dust between Lafarge's eastern fenceline and the Windridge station.

Figure 1-2 Photo of Completed Flood Mitigation Work at Exshaw Creek

2 MAY 2024 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 each station 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 $PM_{2.5,}$ if any, 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	25.7	0	10.5	-
SO_2 (ppb)	100.0	6.5	0	1.8	0
$PM_{2.5}$ (µg/m^3)	100.0	80.4	2[1]	20.4	0
PM_{10} (µg/m^3)	96.1	190.1	-	45.8	-
TSP (µg/m^3)	98.9	410.2	-	98.4	0
Temperature (°C)	100.0	23.0	-	15.1	-
Wind Speed (km/hr) /Direction (Degrees)	100.0	33.7/W	-	21.9/WSW	-
Precipitation (mm)	100.0	4.5[2]	-	64[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) – freezing temperatures can impact the precipitation totals in winter months

[3] Monthly Total Accumulation of Precipitation (mm) - freezing temperatures can impact the precipitation totals in winter months

Data Quality Notes:

- There were no exceedance of the 24-hour $PM_{2.5}$ AAAQO.
- There were 2 hours exceeding the 1-hour $PM_{2.5}$ AAAQG due to regional wildfire activities.
- There were no exceedances of the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- At the Lagoon station, NO_2 and SO_2 analyzers recorded 100% uptime during the month of May.
- The $PM_{2.5}$ analyzer recorded 100% uptime for the month of May.
- The meteorological sensors recorded 100% uptime for the month of May.
- The TSP analyzer recorded 98.9% uptime for the month of May due to 8 hours of equipment malfunction occurring on May 9th, 14th, 16th, 17th, 18th, 20th, 23rd and 24th at 2:00.
- The PM_{10} analyzer recorded 96.1% uptime for the month of May due to 21 hours of equipment malfunction occurring on May 6th at 13:00 – May 7th at 9:00. Furthermore, 8 hours of non-routine maintenance occurring on May 7th at 10:00 – 17:00.

2.2 WINDRIDGE STATION

Table 2-2 Windridge station data summary

Parameter	Data Completeness (%)	1-Hour Average		24-hour Average	
		Maximum Concentration	Exceedances of AAAQG	Maximum Concentration	Exceedances of AAAQO
$PM_{2.5}$ (µg/m³)	99.9	80.0	0*	15.7	0
PM_{10} (µg/m³)	99.9	378.0	-	128.2	-
TSP (µg/m³)	99.9	630.0	-	206.6	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 $PM_{2.5}$ AAAQO.
- There were no exceedances of the 1-hour $PM_{2.5}$ AAAQG.
- There were 5 days exceeding the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- At the Windridge station, the TSP, PM_{10} and $PM_{2.5}$ analyzers recorded 99.9% uptime for the month of May due to one hour of equipment malfunction occurring on May 9th at 10:00.

2.3 WEST GRIMM

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

Table 2-3 West station data summary

Parameter	Data Completeness (%)	1-Hour Average		24-hour Average	
		Maximum Concentration	Exceedances of AAAQG	Maximum Concentration	Exceedances of AAAQO
$PM_{2.5}$ (µg/m^3)	100.0	86.7	2*	12.7	0
PM_{10} (µg/m^3)	100.0	125.7	-	13.5	-
TSP (µg/m^3)	100.0	126.4	-	13.6	0

* Any exceedances reported for 1-hour $PM_{2.5}$ are over the guideline level (AAAQG) of 80 µg/m^3.

Data Quality Notes:

- There were no exceedances of the 24-hour $PM_{2.5}$ AAAQO.
- There were 2 hours exceeding the 1-hour $PM_{2.5}$ AAAQG due to regional wildfire activities.
- There were no exceedances the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

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

2.4 BERM GRIMM

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

Calibration/Maintenance Notes:

- The analyzer had 0% uptime for the month of May due to communication error and was sent to the factory for repairs.

2.5 ENTRANCE GRIMM

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

Table 2-4 Entrance station data summary

Parameter	Data Completeness (%)	1-Hour Average		24-hour Average	
		Maximum Concentration	Exceedances of AAAQG	Maximum Concentration	Exceedances of AAAQO

$PM_{2.5}$ (µg/m^3)	99.7	88.7	2*	31.8	1
PM_{10} (µg/m^3)	99.7	430.6	-	164.9	-
TSP (µg/m^3)	99.7	1319.9	-	399.7	22

* Any exceedances reported for 1-hour $PM_{2.5}$ are over the guideline level (AAAQG) of 80 µg/m^3.

Data Quality Notes:

- There was 1 exceedance of the 24-hour $PM_{2.5}$ AAAQO due to regional wildfire activities.
- There were 2 exceedances of the 1-hour $PM_{2.5}$ AAAQG due to regional wildfire activities.
- There were 22 exceedances the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- The analyzer had 99.7% uptime for the month of May due to 2 hours of equipment malfunction occurring on May 1st at 16:00 and 20:00.

3 LAGOON STATION

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

This section provides a summary of the monitoring activities for the Lagoon ambient air quality station, including: a table of instrumentation (Table 3-1), a data summary table (Table 3-2), site visit notes and tables and graphs illustrating the monitoring results for May 2024.

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 May 2nd. The monitor had 100% uptime for the month of May.
PM_{10} Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The PM_{10} monitor was calibrated on May 2nd. The monitor had 96.1% uptime for the month of May due to 21 hours of equipment malfunction occurring on May 6th at 13:00 – May 7th at 9:00. Furthermore, 8 hours of non-routine maintenance occurring on May 7th at 10:00 – 17:00.
TSP Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The TSP monitor was calibrated on May 2nd. The monitor had 98.9% uptime for the month of May due to 8 hours of equipment malfunction occurring on May 9th, 14th, 16th, 17th, 18th, 20th, 23rd and 24th at 2:00.
Oxides of Nitrogen	TEI 42C	The NO_x monitor was calibrated on May 3rd. The monitor had 100% uptime for the month of May.
Sulphur Dioxide	Teledyne API 102A	The SO_2 monitor was calibrated on May 3rd. The monitor had 100% uptime for the month of May.
Precipitation	MetOne 130 Rain/Snow Gauge	The monitor had 100% uptime for the month of May.
Wind Speed	MetOne Wind Sensor	The monitor had 100% uptime for the month of May.
Wind Direction		

Ambient Temperature	MetOne Ambient Temperature Sensor	The monitor had 100% uptime for the month of May.

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

3.2 MONITORING RESULTS AND TRENDS

Table 3-2 summarizes the hourly and daily concentrations recorded in May 2024. Figure 3-2 graphically illustrates the time series for hourly concentrations as well as wind speed and direction, while Figure 3-8 shows daily average concentrations recorded during May 2024 for the pollutants listed in Table 3-2. Additionally, Figure 3-3 to Figure 3-7 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 were no exceedances of the 24-hour TSP AAAQO (100 µg/m^3). There were no exceedances the 24-hour $PM_{2.5}$ AAAQO (29 µg/m^3). Further, there were 2 exceedances of the 1-hour $PM_{2.5}$ AAAQG (80 µg/m^3) at the station this month due to wildfire smoke from northeastern BC.

Historically in May, the average number of 24-hour TSP AAAQO exceedances and 24-hour $PM_{2.5}$ AAAQO exceedances are both zero. The maximum number of 24-hour TSP AAAQO exceedances recorded in May were 3 days in 2023. The maximum number of 24-hour $PM_{2.5}$ AAAQO exceedances recorded in May were 4 days in 2023.

At the Lagoon station strong wind gusting that typically occurs in the area contributes to increased particulate levels that may arise from multiple sources including the Lafarge Plant, Exshaw Creek, dry sections of the Bow River, highway and rail traffic moving past the station and fugitive emissions from open areas.

Table 3-2 Summary of May 2024 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	-	0.5	5.7	25.7	28	12	16.5	56.7	10.5	28	100.0
SO_2 (ppb)	172	48	Lagoon	0	0	0.0	0.7	6.5	28	9	12.8	260.1	1.8	28	100.0
$PM_{2.5}$ (µg/m^3)	80	29	Lagoon	2	0	0.0	3.6	80.4	12	3	9.4	232.5	20.4	12	100.0
PM_{10} (µg/m^3)	-	-	Lagoon	-	-	0.0	19.7	190.1	15	16	26.5	254.7	45.8	15	96.1
TSP (µg/m^3)	-	100	Lagoon	-	0	3.4	39.4	410.2	15	16	26.5	254.7	98.4	15	98.9
Temperature (°C)	-	-	Lagoon	-	-	-0.8	8.8	23.0	11	16	14.4	227.9	15.1	11	100.0
Wind Speed (km/hr)/Direction (degrees)	-	-	Lagoon	-	-	0.6	12.9	33.7/W	16	11	33.7	249.9	21.9/WSW	29	100.0
Precipitation (mm)	-	-	Lagoon	-	-	0.0	0.1	4.5[1]	17	4	4.6	16.8	64.0[2]	-	100.0

[1] Maximum Daily Total Accumulation of Precipitation (mm) - freezing temperatures can impact the precipitation totals in winter months

[2] Monthly Total Accumulation of Precipitation (mm) - freezing temperatures can impact the precipitation totals in winter months

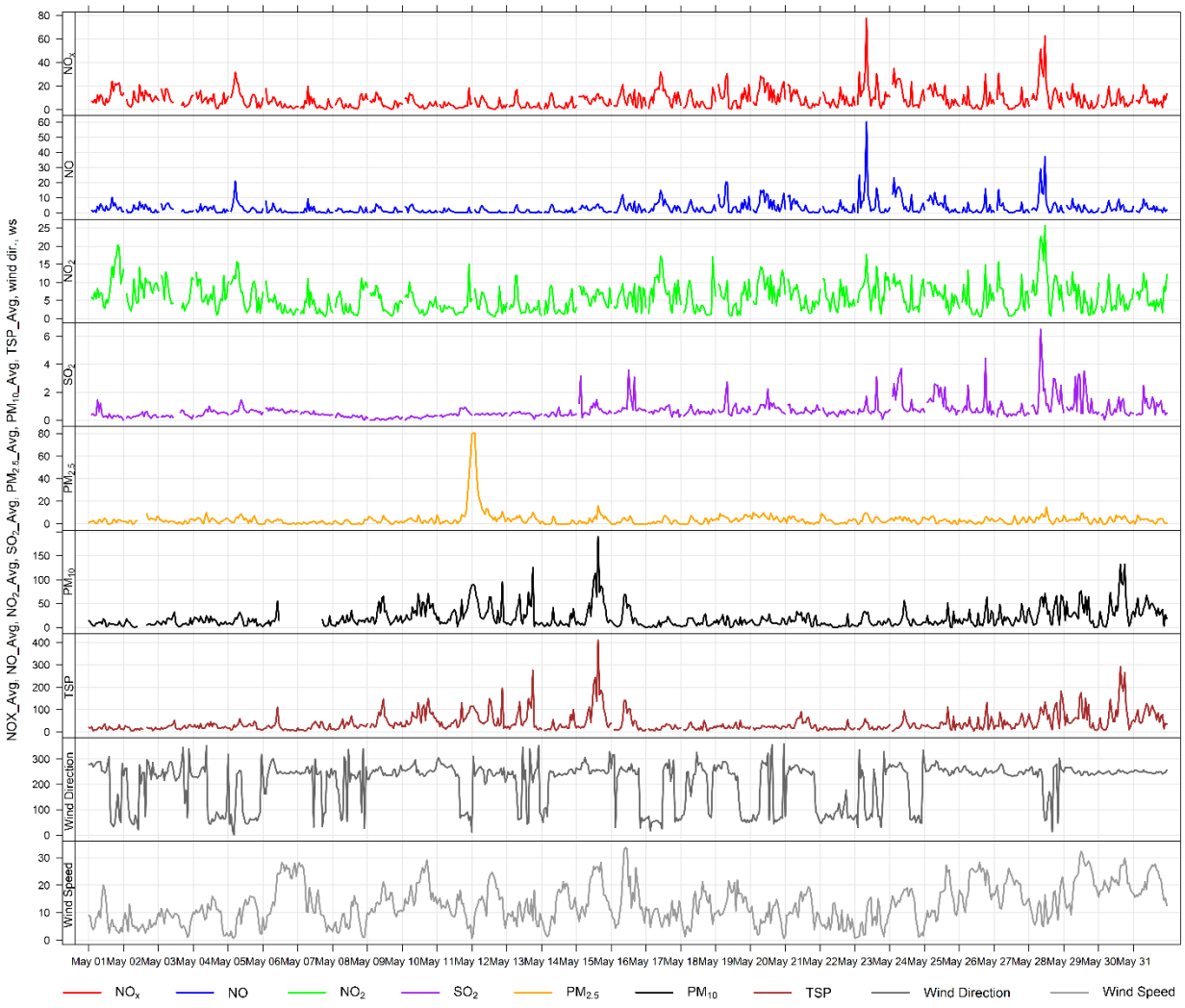

Figure 3-2 **1-hour concentrations of NO_x, SO_2, particulate matter, wind direction and wind speed at the Lagoon station**

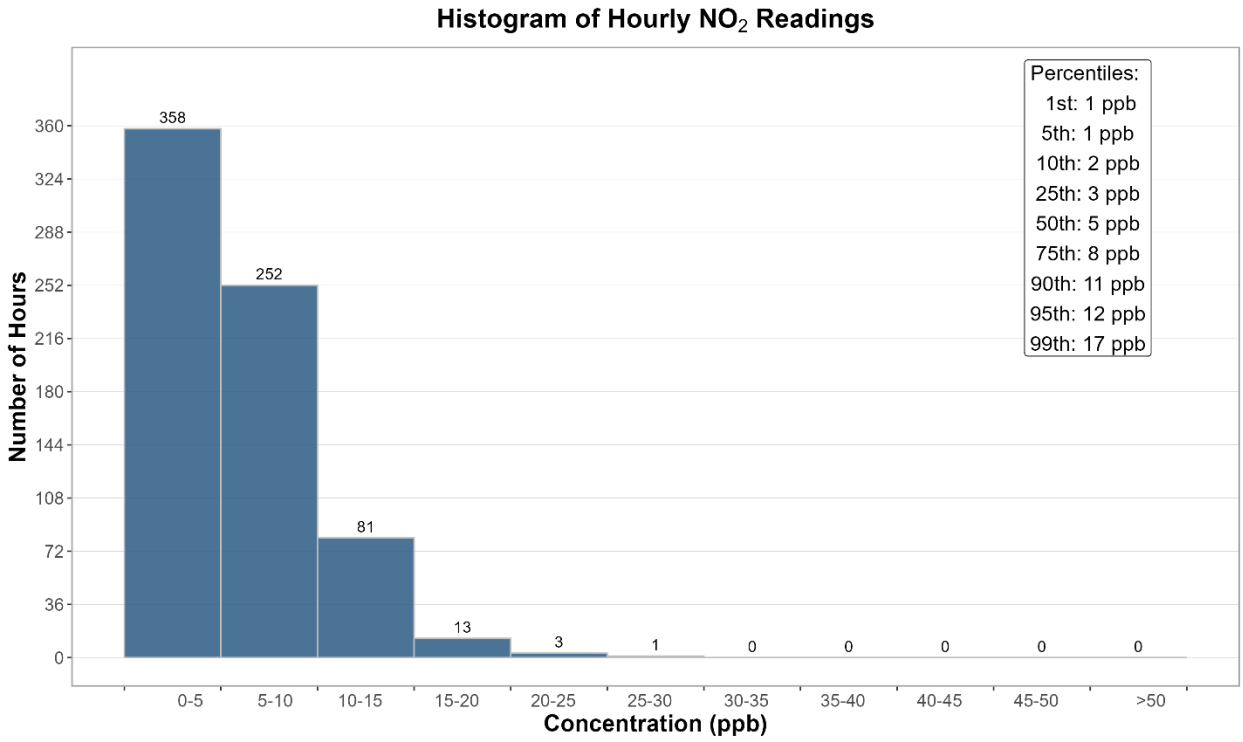

Figure 3-3 Histogram of hourly NO_2 concentrations at the Lagoon station

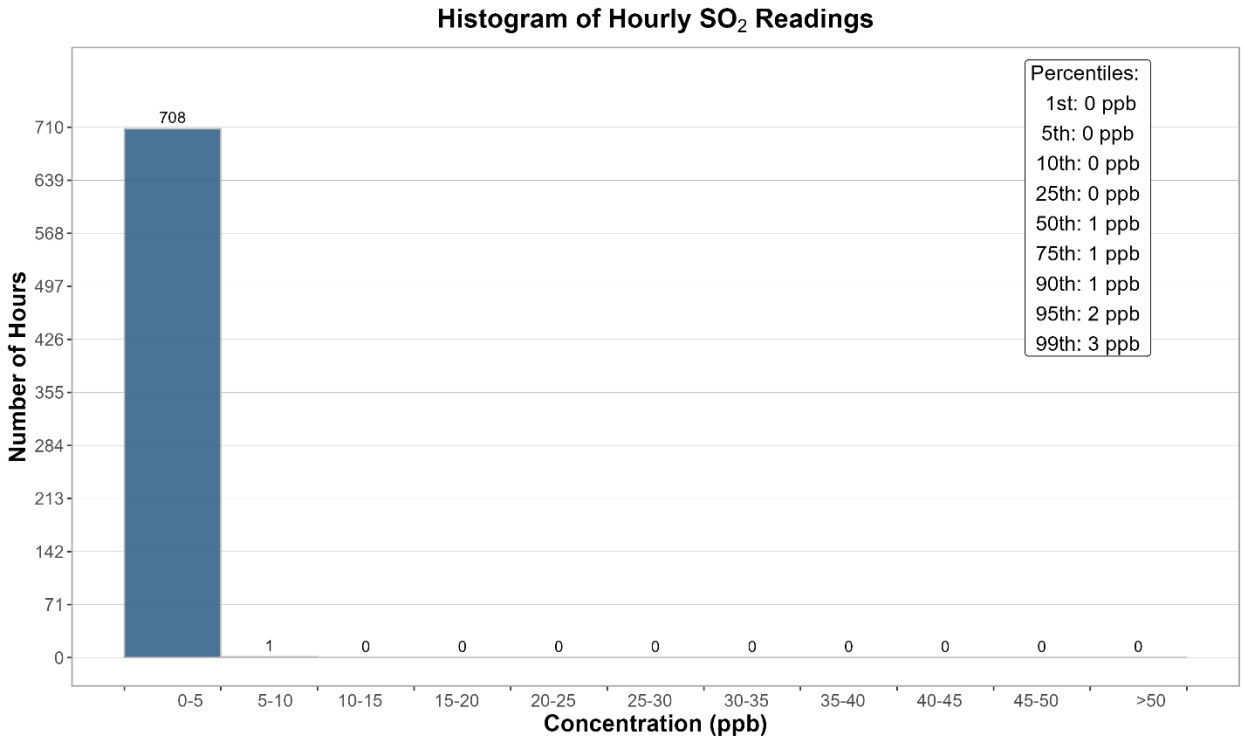

Figure 3-4 Histogram of hourly SO_2 concentrations at the Lagoon station

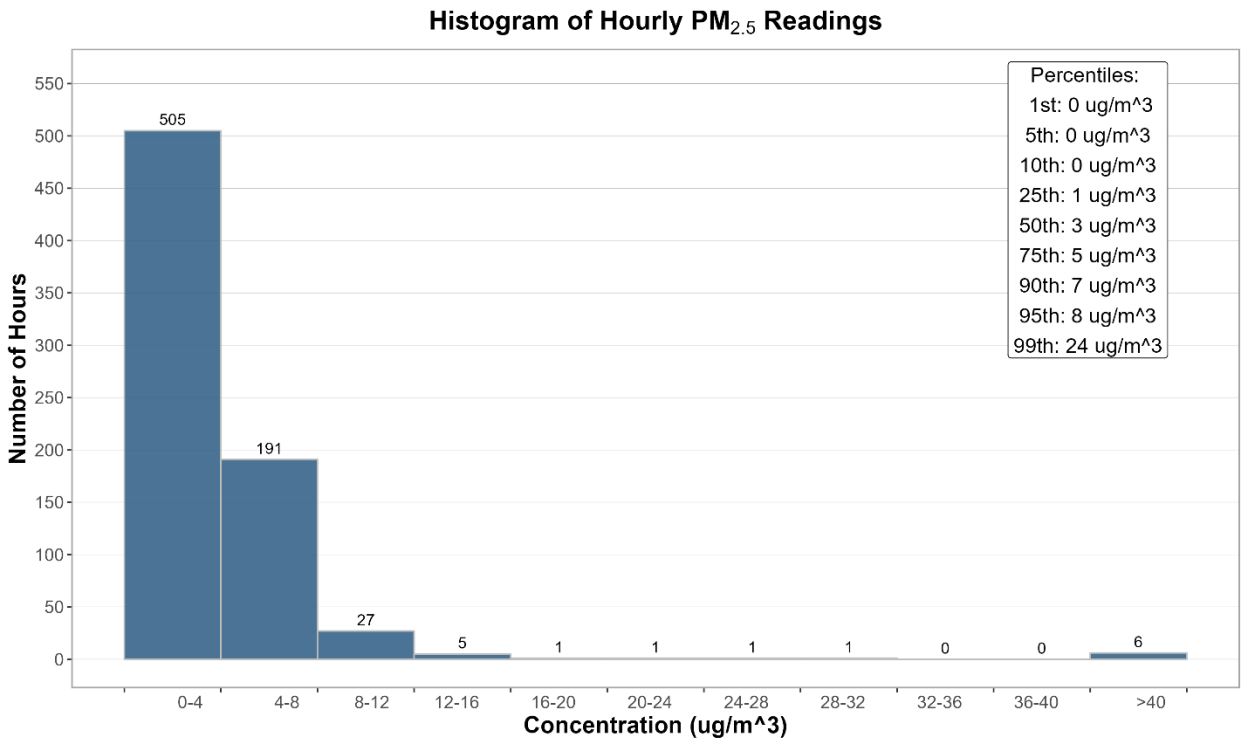

Figure 3-5 **Histogram of hourly $PM_{2.5}$ concentrations at the Lagoon station**

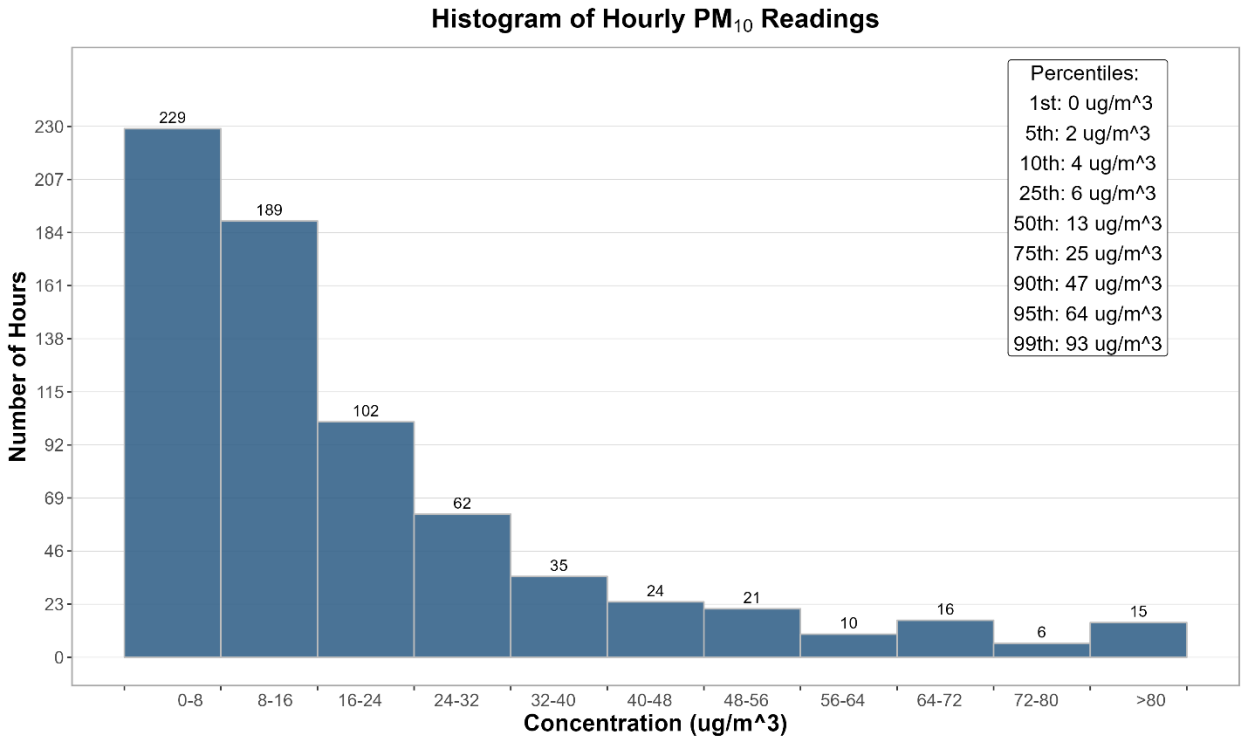

Figure 3-6 **Histogram of hourly PM_{10} concentrations at the Lagoon station**

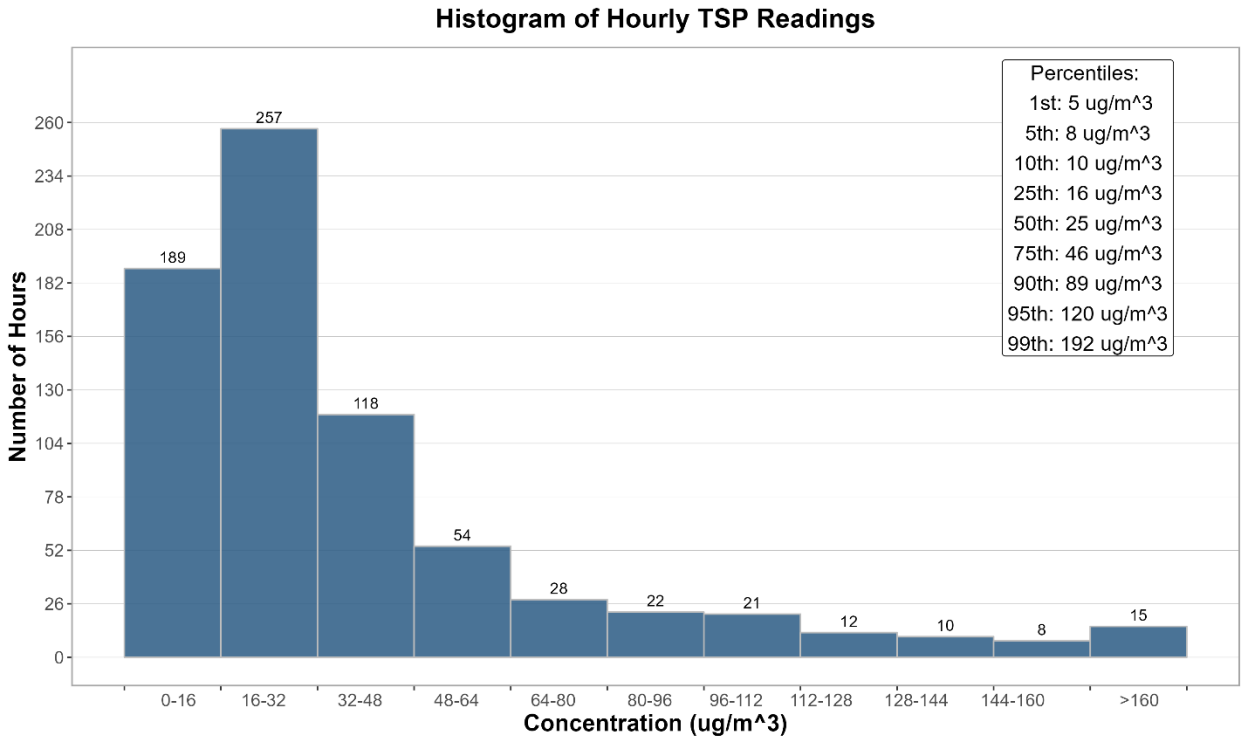

Figure 3-7 Histogram of hourly TSP concentrations at the Lagoon station

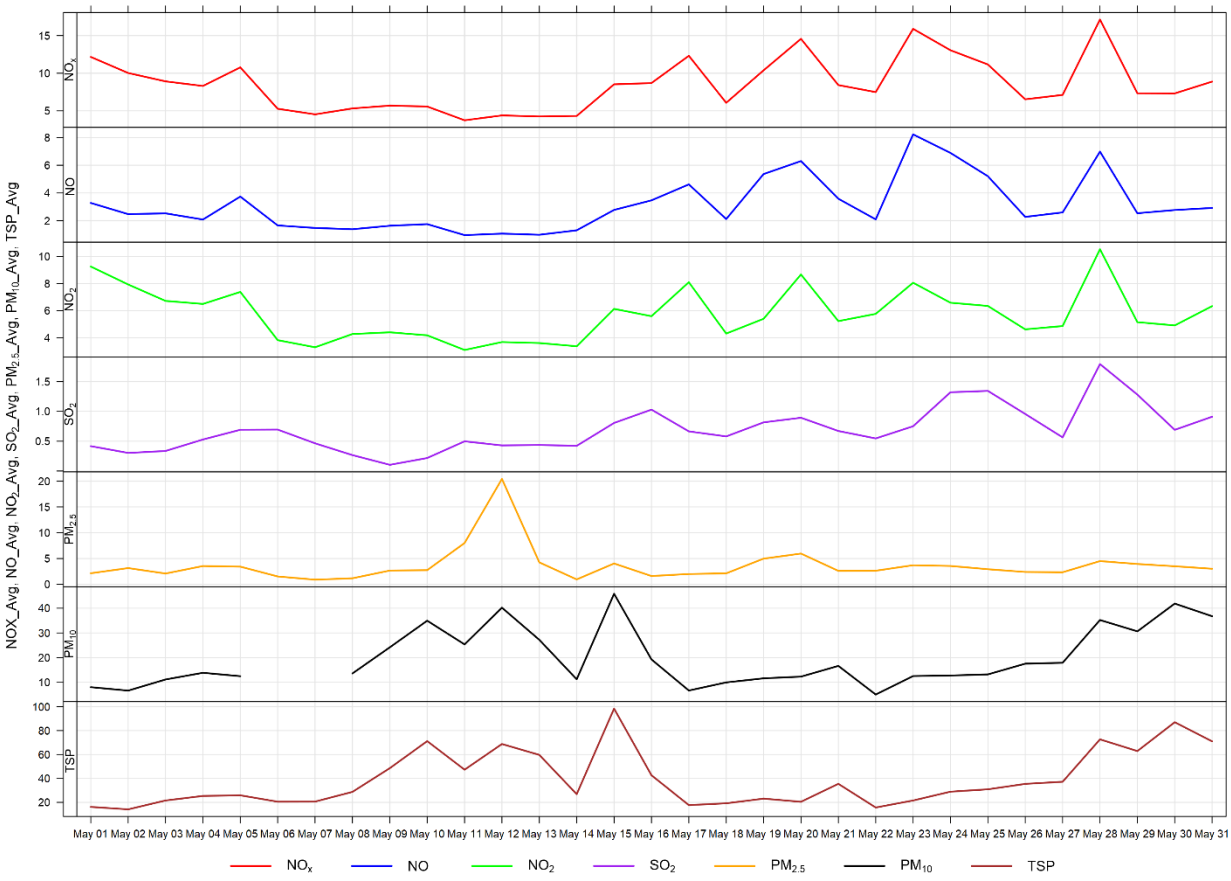

Figure 3-8 24-hour concentrations of NO_x, SO_2, and particulate matter at the Lagoon monitor

Figure 3-9 through Figure 3-11 show the variation in concentrations over various time averaging periods for PM, SO_2 and NO_x. The particulate matter plot in Figure 3-9 typically shows that PM_{10} and TSP concentrations have a diurnal pattern associated with Lafarge operations, daytime emissions from traffic and other airshed activities. The diurnal patterns also typically follow the diurnal pattern of higher wind speeds during the daytime hours.

Figure 3-10 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 3-11 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.

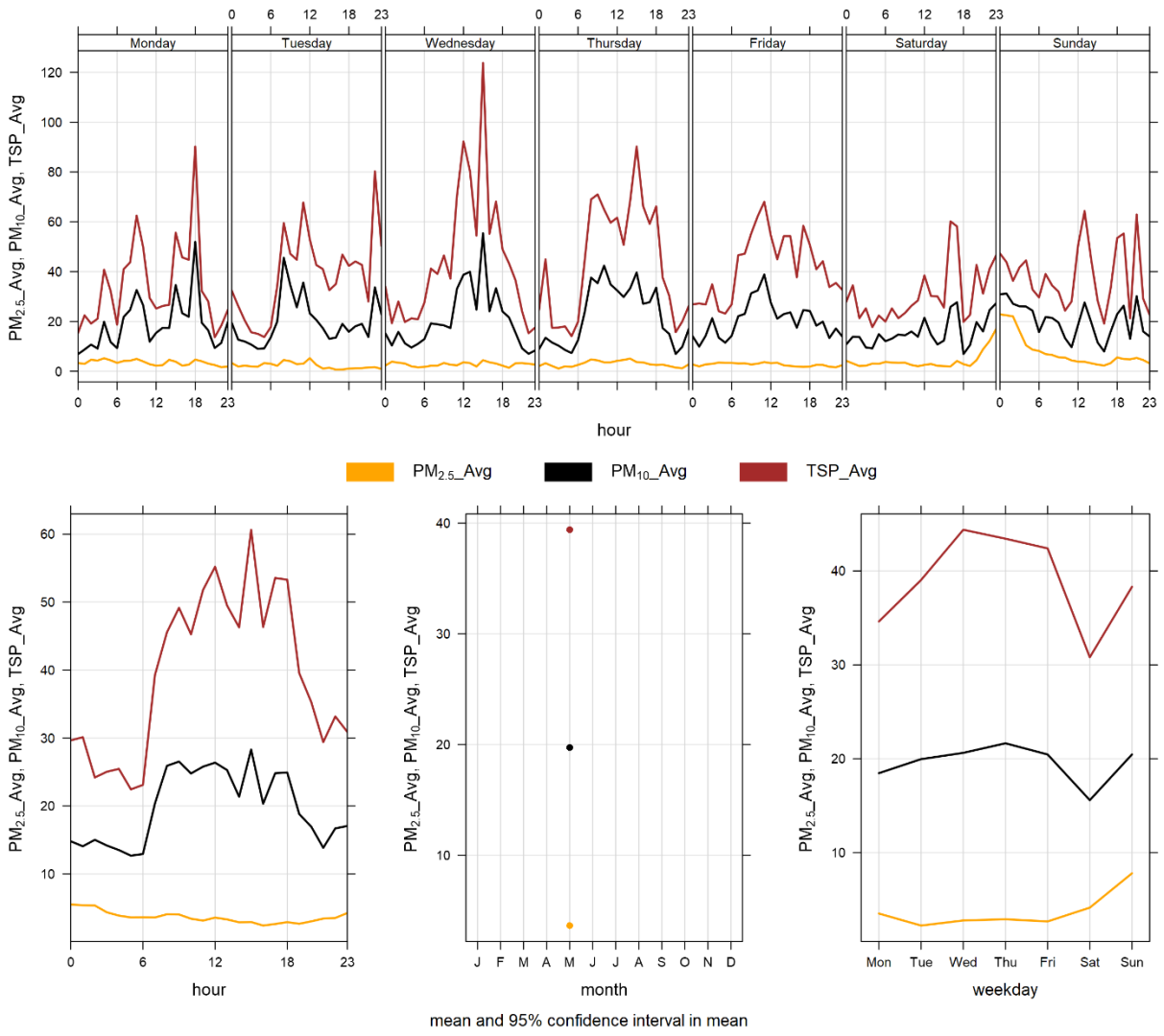

Figure 3-9 Lagoon monitor particulate matter time variation

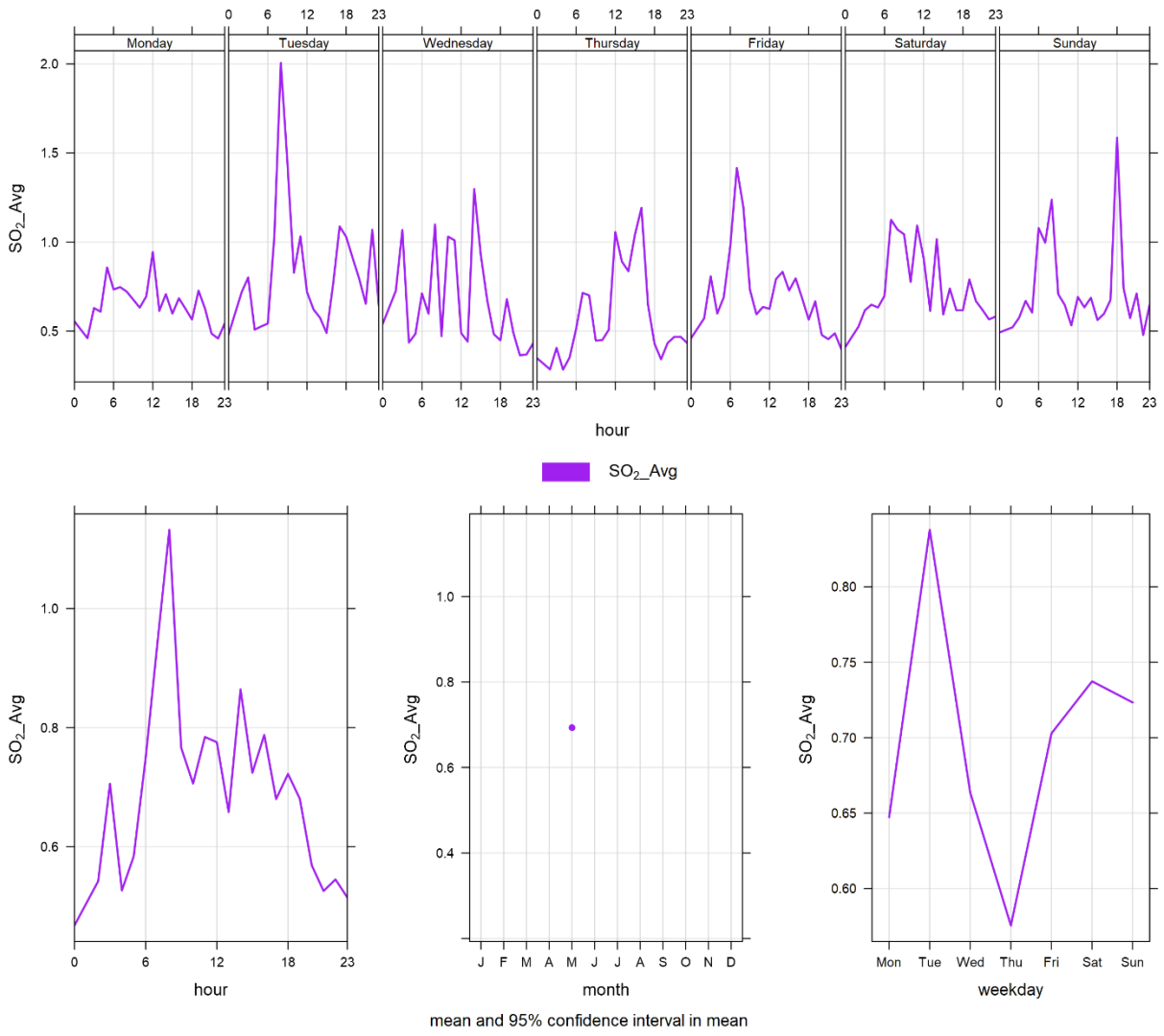

Figure 3-10 Lagoon monitor SO_2 time variation

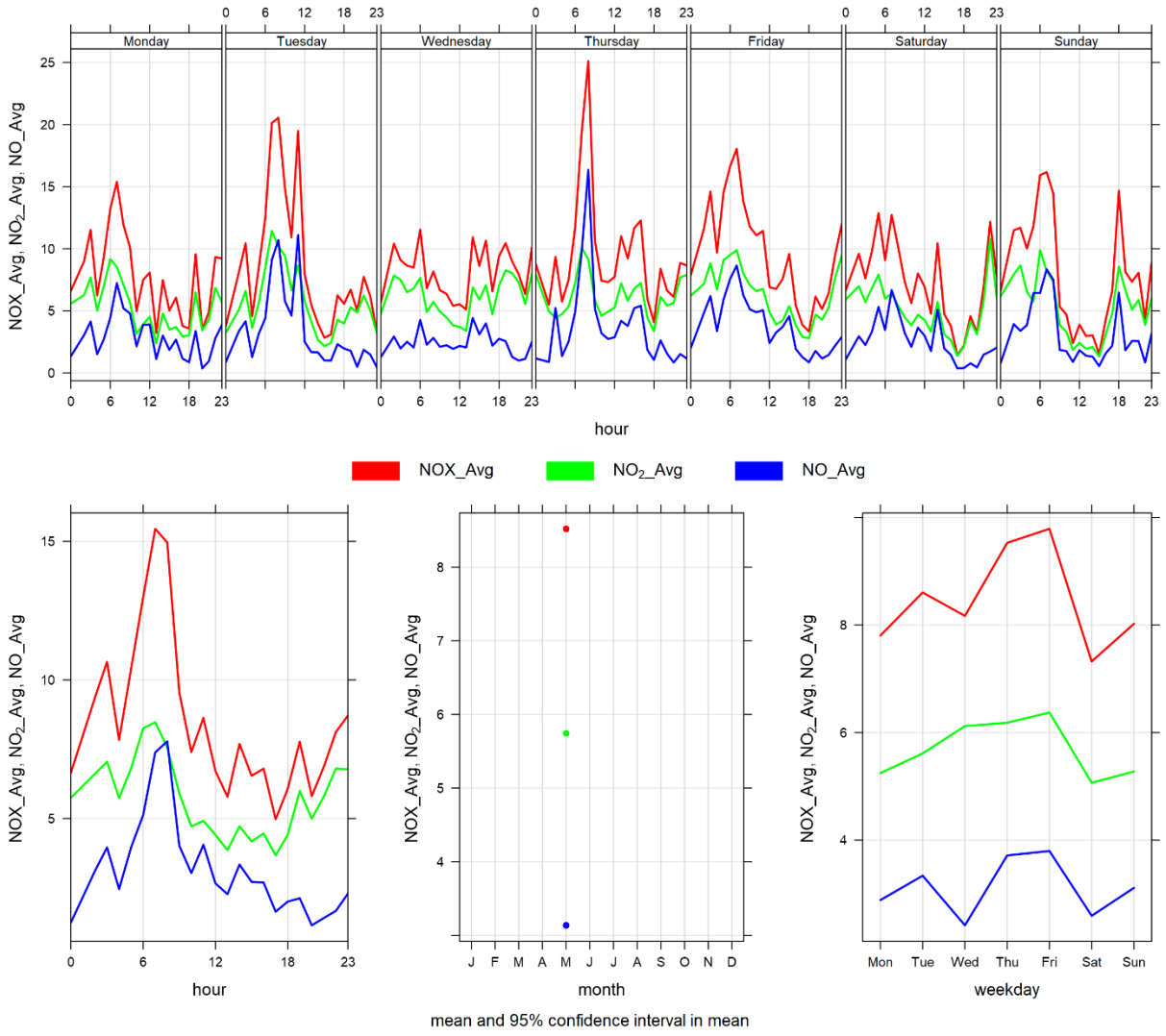

Figure 3-11 Lagoon monitor NO_x time variation

4 WINDRIDGE STATION

The Windridge station contains TSP, PM_{10}, and $PM_{2.5}$ analyzers only. This section provides a summary of the monitoring activities for the Windridge ambient air quality station, including: a table of instrumentation (Table 4-1), a data summary table (Table 4-2), a table of recorded exceedances (Table 4-3), site visit notes, and graphs illustrating the monitoring results for May 2024.

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

4.1 OPERATIONAL SUMMARY

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

Table 4-1 Instrumentation List at the Windridge monitoring location

Parameter Measured	Equipment Description	Notes
$PM_{2.5}$ Concentrations	MetOne BAM-1020 FRM Continuous Particulate Monitor	The $PM_{2.5}$ monitor was calibrated on May 3rd. The monitor had 99.9% uptime for the month of May due to one hour of equipment malfunction occurring on May 9th at 10:00.
PM_{10} Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The $PM_{2.5}$ monitor was calibrated on May 3rd. The monitor had 99.9% uptime for the month of May due to one hour of equipment malfunction occurring on May 9th at 10:00.
TSP Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The TSP monitor was calibrated on May 3rd. The monitor had 99.9% uptime for the month of May due to one hour of equipment malfunction occurring on May 9th at 10:00.

4.2 MONITORING RESULTS AND TRENDS

Table 4-2 summarizes the hourly and daily concentrations recorded in May 2024, and Table 4-3 the recorded exceedances. Figure 4-1 illustrates the time series for hourly PM, Figure 4-2 to Figure 4-4 illustrates the histograms for hourly PM, Figure 4-5 illustrates the time series for daily PM, Figure 4-6 displays the wind rose for the 24-hour TSP and Figure 4-7 illustrates the time series for hourly PM over different time periods.

There were no exceedances of the 24-hour $PM_{2.5}$ AAAQO. There were no exceedances of the 1-hour $PM_{2.5}$ AAAQG, and 5 exceedances of the 24-hour TSP AAAQO.

Historically in May, the average number of 24-hour TSP AAAQO exceedances and 24-hour $PM_{2.5}$ AAAQO exceedances is 3 and 1, respectively. The maximum number of 24-hour TSP AAAQO exceedances recorded in May were 5 days in 2022 and 2023. The maximum number of 24-hour $PM_{2.5}$ AAAQO exceedances recorded in May were 4 days in 2023.

Due to flood mitigation construction at Exshaw creek the Windridge monitoring station was taken out of operation and removed from the site on April 8th, 2019. The flood mitigation work was completed in August 2020. The Windridge station was reinstalled for September 1st, 2020. As per the photo presented in section 1.1 the flood mitigation work has left an exposed creek bed area immediately west of the Windridge monitor that may contribute to an increase in TSP levels. Further, the strong wind gusting that occurred in May would have contributed to increased particulate levels that may have arisen from multiple sources: Lafarge Plant, Exshaw Creek, dry sections of the Bow River, and open areas.

Table 4-2 Summary of May 2024 data at the Windridge Station

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	Windridge	0	0	0.0	3.5	80.0	12	1	0.6	11.8	15.7	12	99.9
PM_{10} ($\mu g/m^3$)	-	-	Windridge	-	-	0.0	37.0	378.0	15	15	26.6	258.4	128.2	30	99.9
TSP ($\mu g/m^3$)	-	100	Windridge	-	5	0.0	56.7	630.0	28	22	16.1	302.9	206.6	30	99.9

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

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)
Windridge						
2024-05-15	157.8	-	258.7	17.2	40.5	
2024-05-28	110.3	-	262.8	11.7	44.7	
2024-05-29	126.3	-	246.7	21.9	43.5	High wind event
2024-05-30	206.6	-	247.0	21.4	36.9	High wind event
2024-05-31	174.8	-	247.9	20.3	29.4	High wind event
Total # of Exceedances	**5**	**0**				
Maximum # of Exceedances (May)	**5 (2022, 2023)**	**4 (2023)**				
Average # of Exceedances (May)	**3**	**1**				
Minimum # of Exceedances (May)	**1 (2018, 2021)**	**0 (2018, 2021, 2022)**				

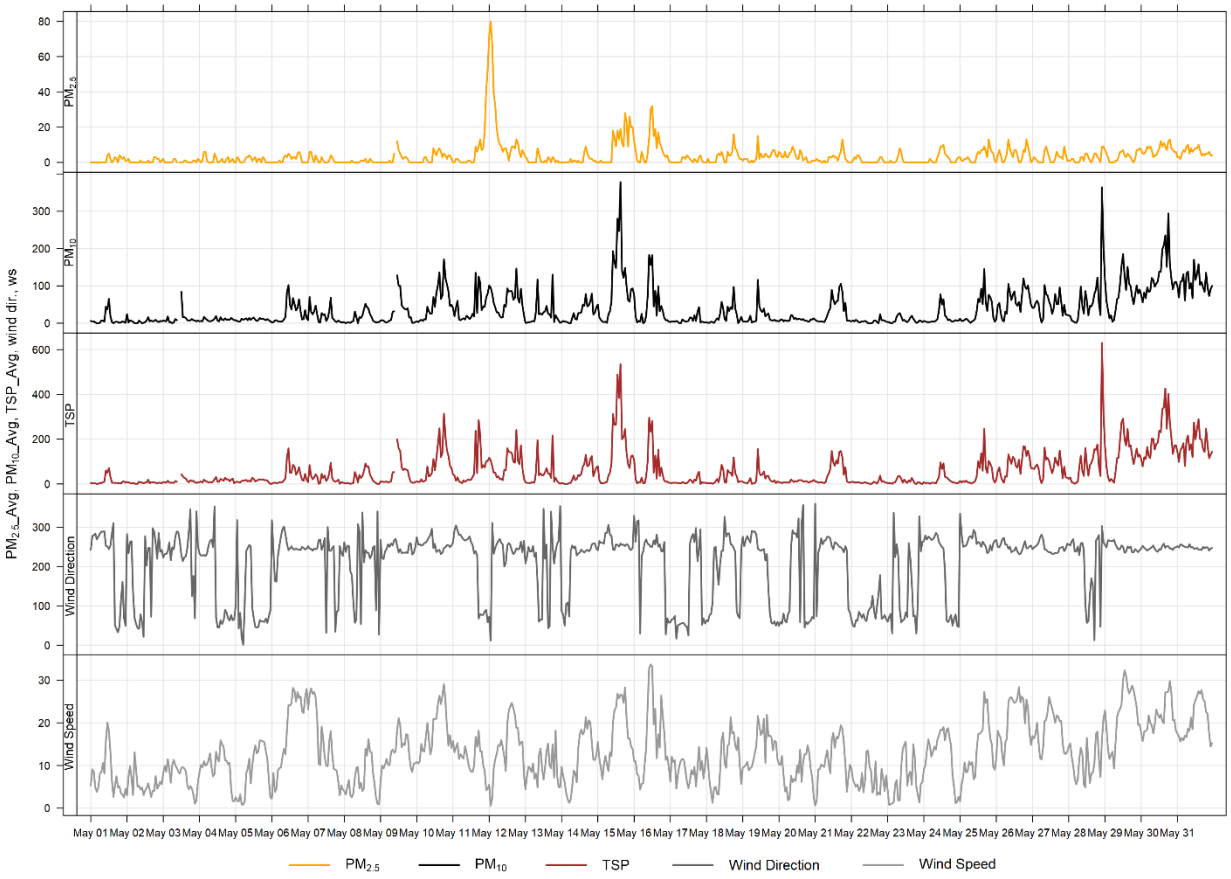

Figure 4-1 1-hour particulate matter concentrations recorded at the Windridge monitor

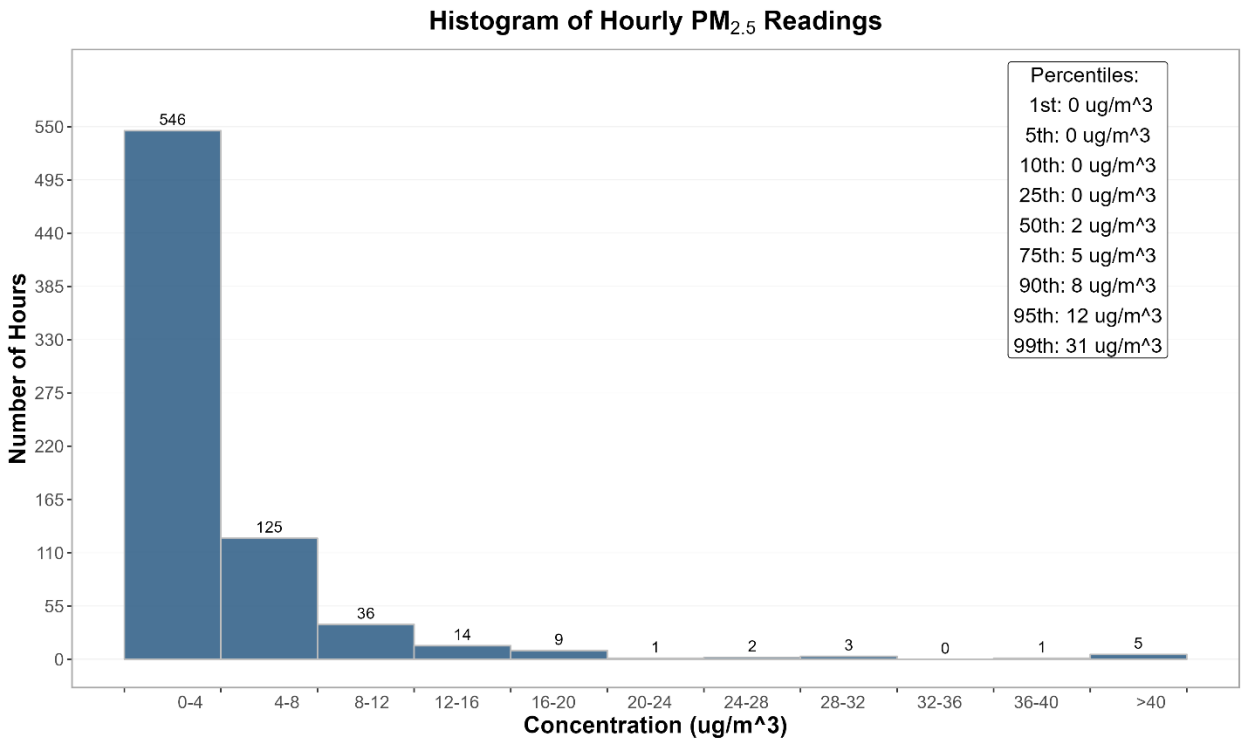

Figure 4-2 **Histogram of hourly $PM_{2.5}$ concentrations at the Windridge station**

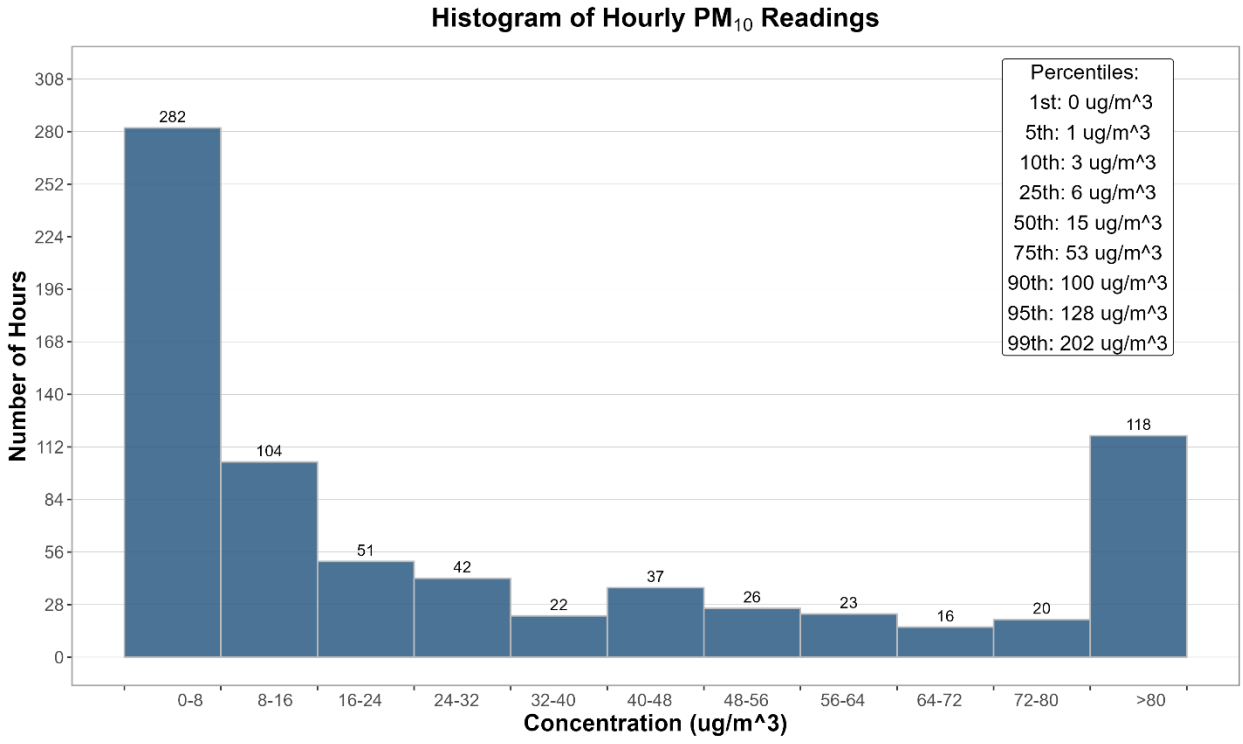

Figure 4-3 **Histogram of hourly PM_{10} concentrations at the Windridge station**

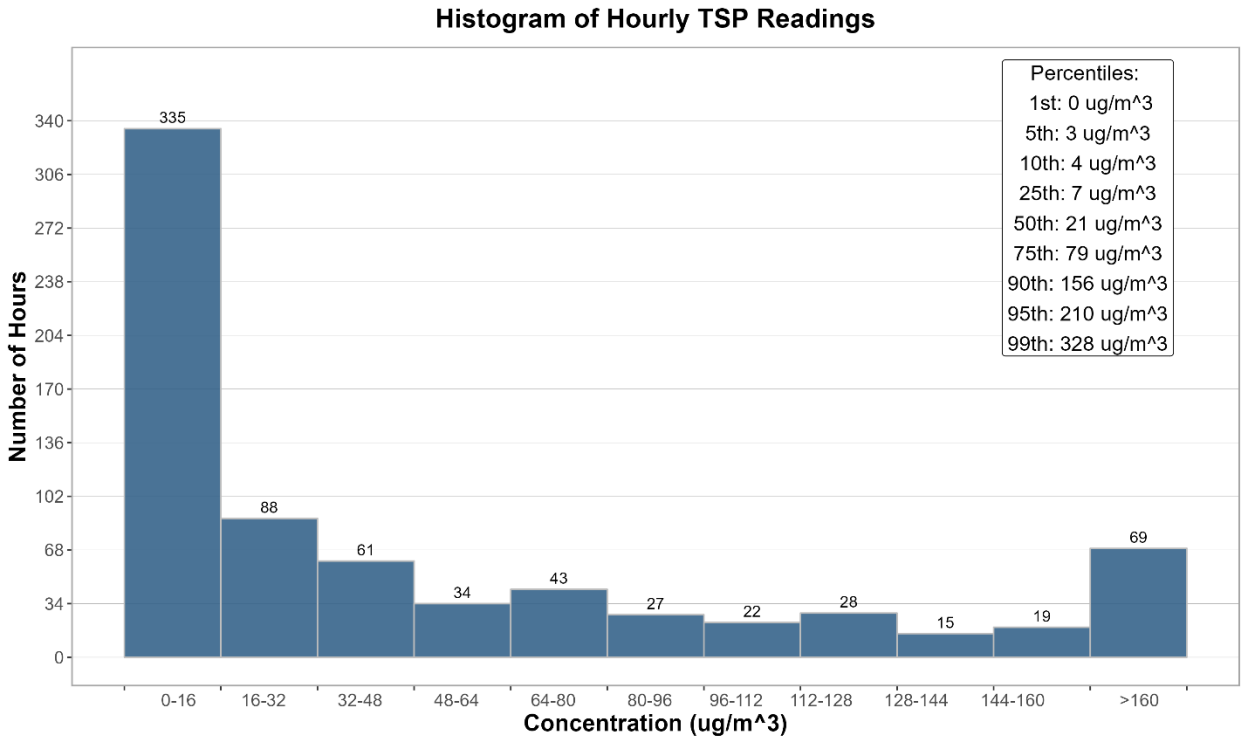

Figure 4-4 Histogram of hourly TSP concentrations at the Windridge station

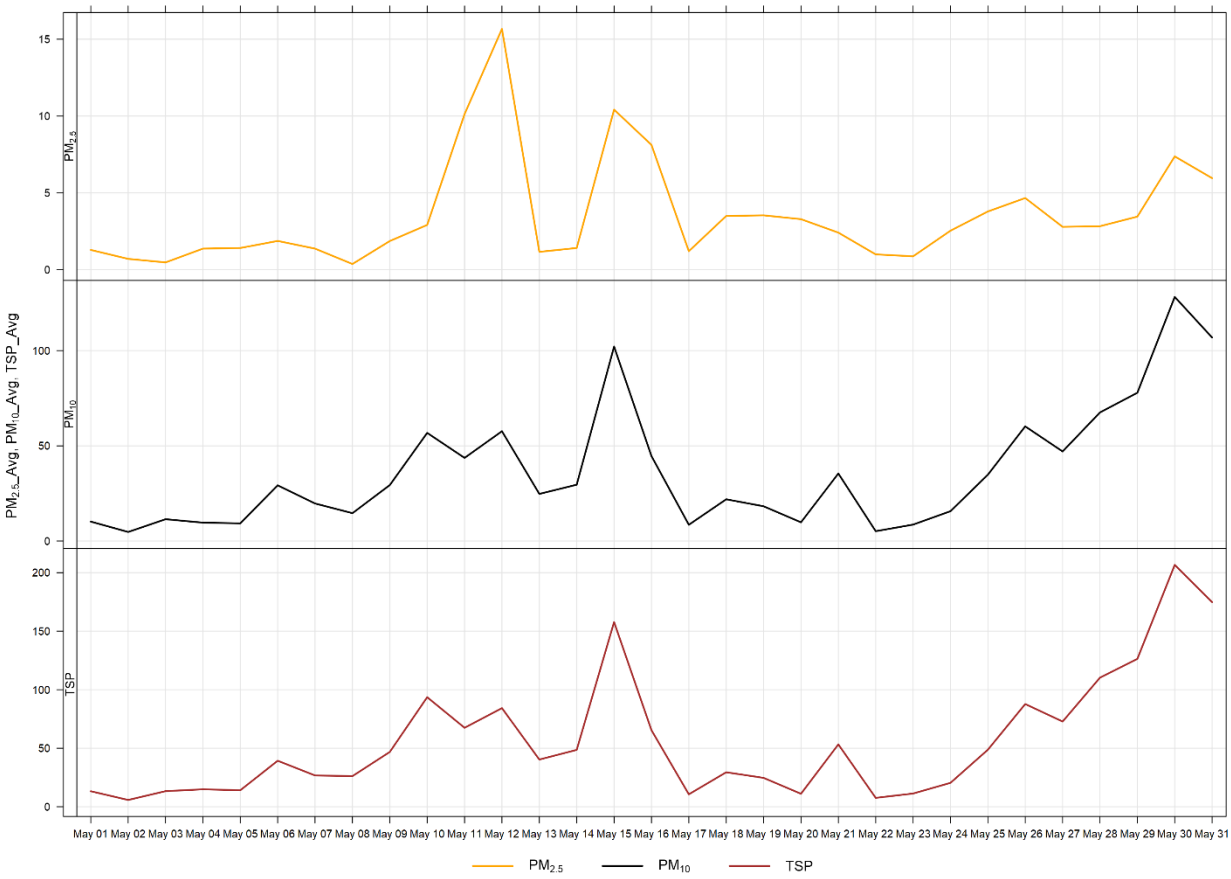

Figure 4-5 24-hour particulate matter concentrations at the Windridge monitor

Figure 4-6 shows the wind rose for the four days of TSP exceedance in May. The wind rose shows that the winds predominately came from the west-southwest, in high wind speed (20 km/h), suggesting impacts of windblown dust from the direction of the Lafarge Facility.

Figure 4-7 illustrates the hourly PM concentrations recorded at the Windridge monitor, averaged over different time periods. The plot across the top shows the variation of PM over the course of a week, while the bottom three plots show the changes in PM over the course of a day, month and weekday, respectively. Figure 4-7 is based on data collected during May 2024. The data shows a diurnal pattern potentially associated with Lafarge daytime operations, daytime emissions from traffic and other airshed activities. The PM concentrations also follow the diurnal pattern of higher wind speeds during the daytime hours.

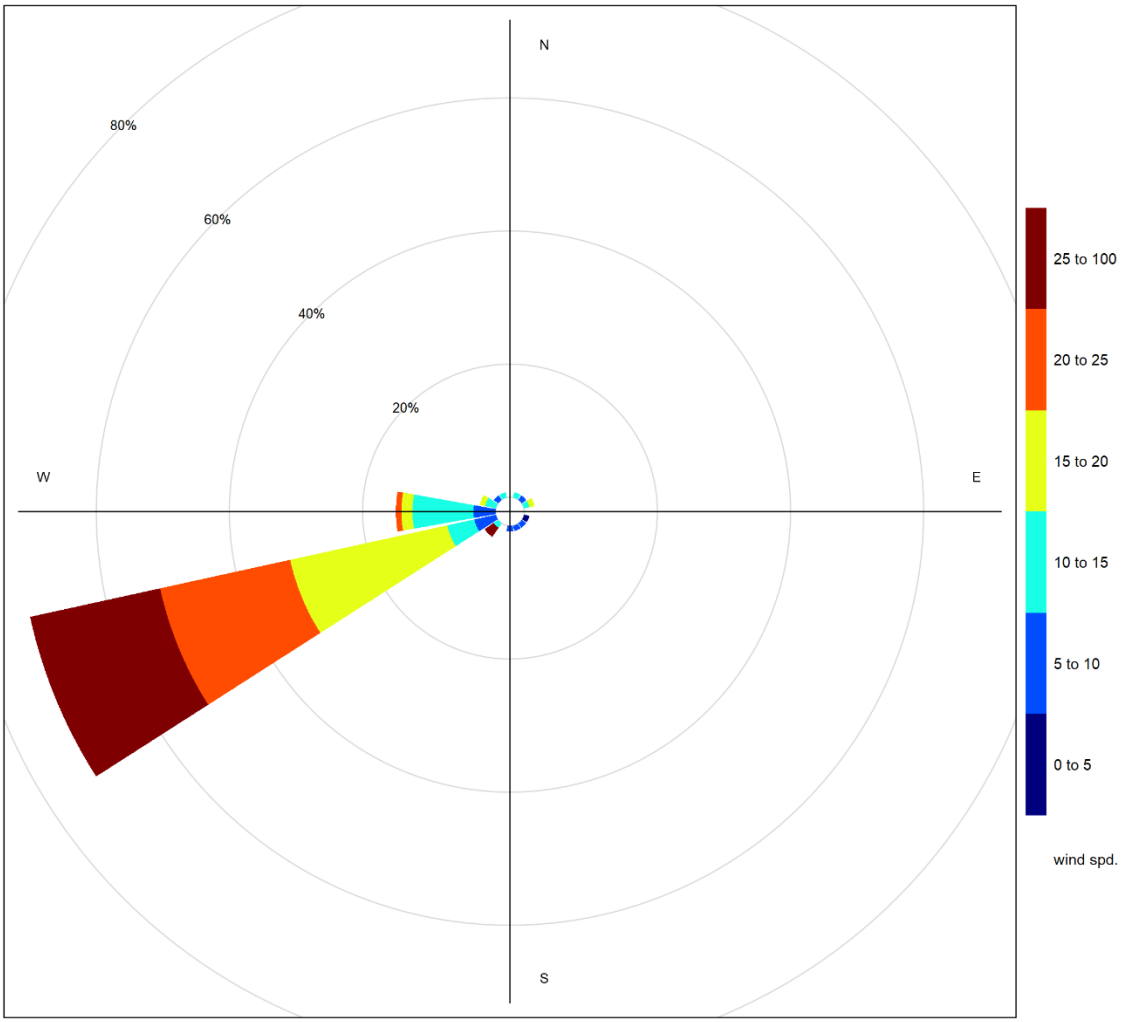

Figure 4-6 Wind rose for TSP exceedance days recorded at the Windridge Station

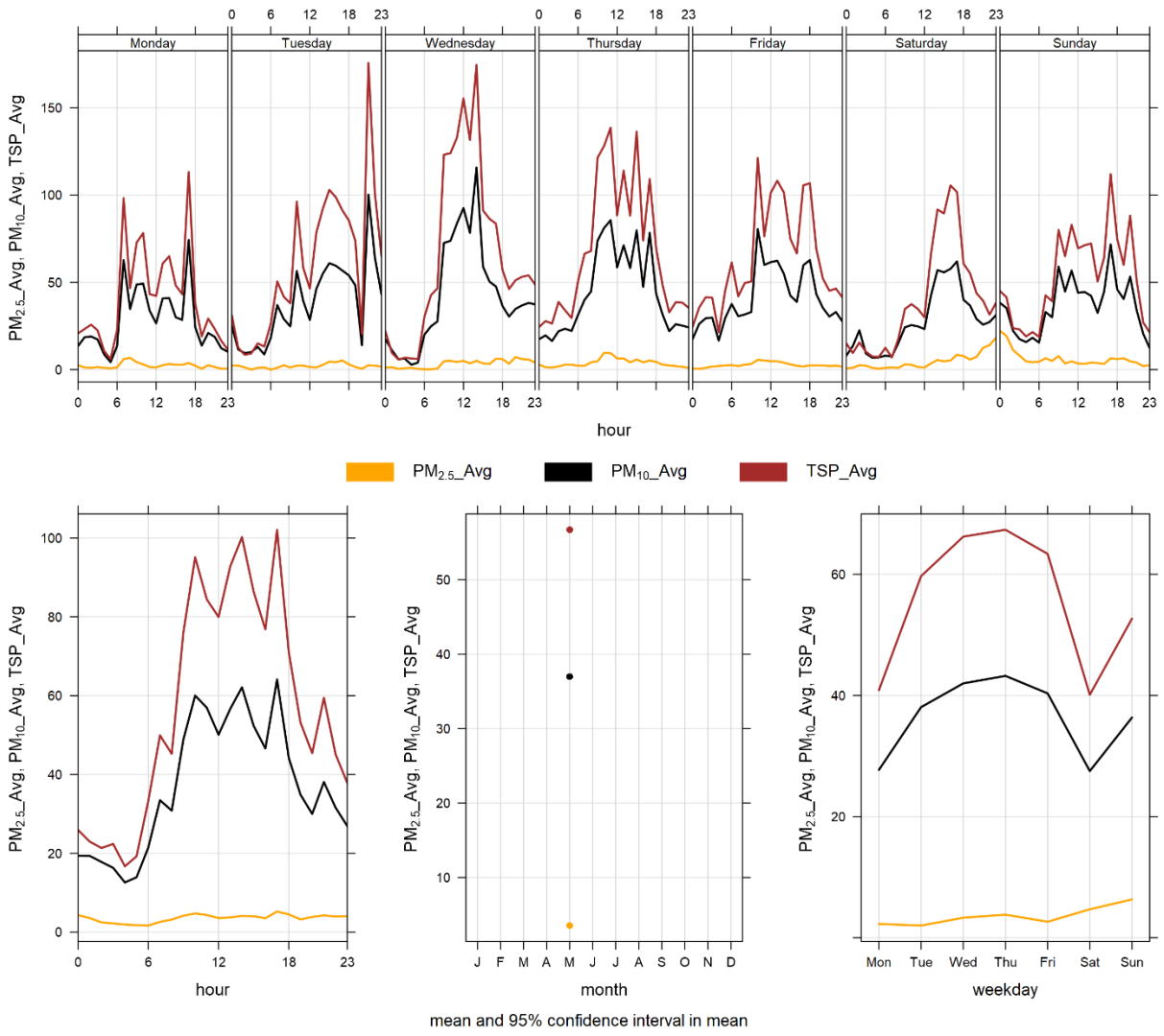

Figure 4-7 Windridge particulate matter time variation

5 WEST INDUSTRIAL GRIMM

5.1 OPERATIONAL SUMMARY

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

Table 5-1 Instrumentation List at the West monitoring location

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

5.2 MONITORING RESULTS AND TRENDS

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

Figure 5-1 and Figure 5-2 show the hourly and daily $PM_{2.5}$, PM_{10} and TSP concentrations recorded over the month.

There were 0 exceedances of the 24-hour TSP Guideline (100 µg/m^3) and 0 exceedances of the 24-hour $PM_{2.5}$ (29µg/m^3) Guideline. Further, there were 2 hours exceeding the 1-hour $PM_{2.5}$ Guideline due to wildfire smoke from northeastern BC.

Historically during the month of May, the West monitor records an average of 0 exceedances of the 24-hour TSP and $PM_{2.5}$ guidelines. The maximum number of 24-hour TSP Guideline exceedances recorded in May were 3 days in 2023. The maximum number of 24-hour $PM_{2.5}$ Guideline exceedance recorded in May were also 3 days in 2023.

Table 5-2 Summary of May 2024 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	2	0	0.1	3.0	86.7	11	24	5.5	72.4	12.7	12	100.0
PM_{10} ($\mu g/m^3$)	-	-	West	-	-	0.1	3.6	125.7	11	24	5.5	72.4	13.5	11	100.0
TSP ($\mu g/m^3$)	-	100	West	-	0	0.1	3.6	126.4	11	24	5.5	72.4	13.6	11	100.0

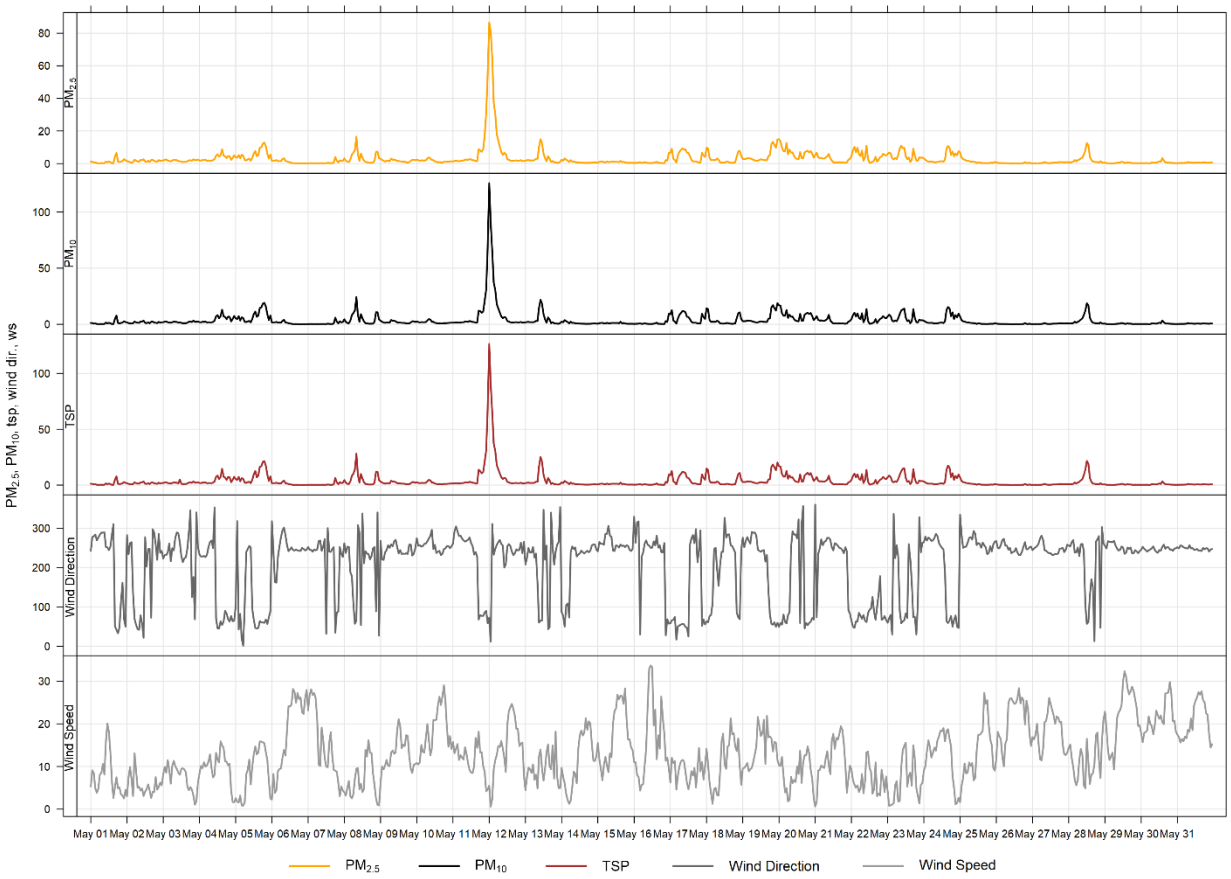

Figure 5-1 1-hour particulate matter concentrations at the West monitor

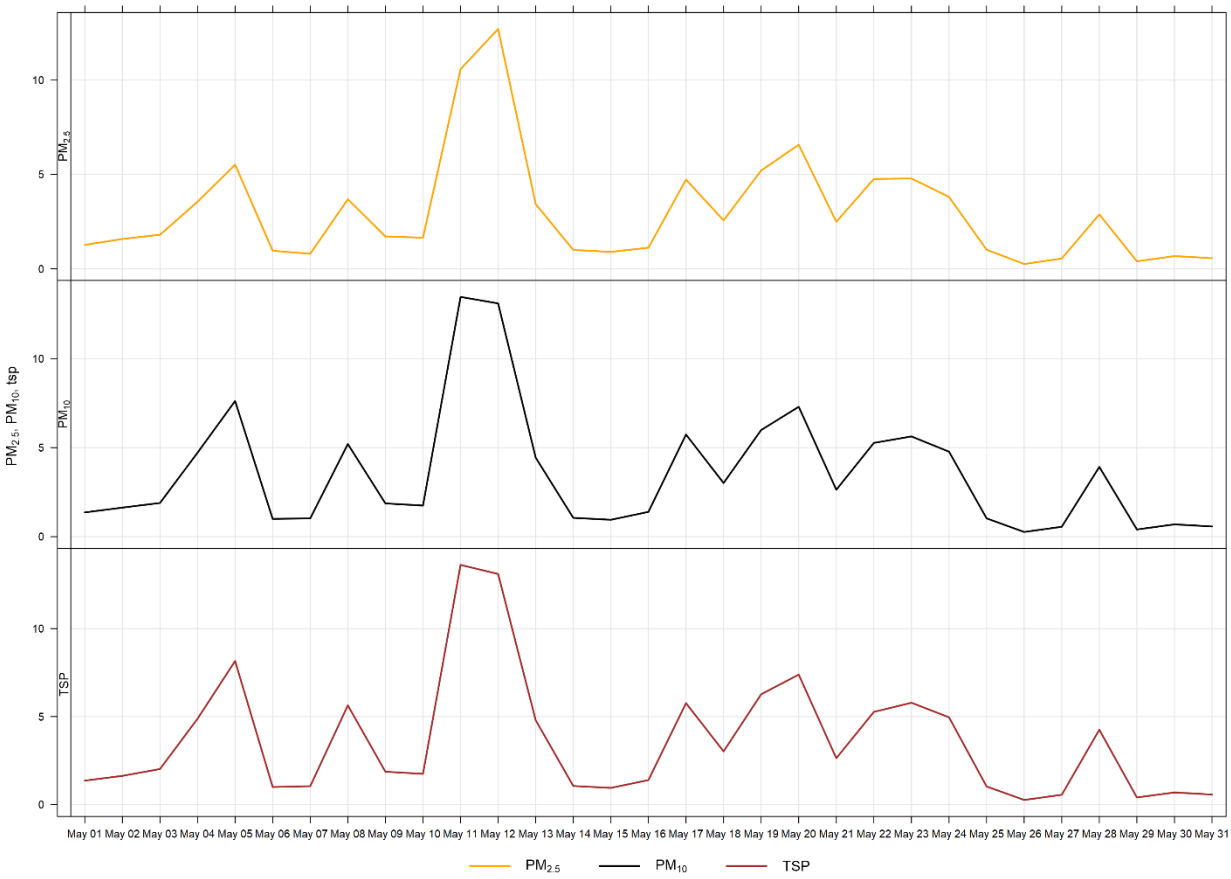

Figure 5-2 24-hour particulate matter concentrations at the West monitor

Figure 5-3 illustrates the hourly PM concentrations recorded at the West monitor, averaged over different time periods. The plot across the top shows the variation of PM over the course of a week, while the bottom three plots show the changes in PM over the course of a day, month and weekday, respectively. Figure 5-3 is based on data collected during May 2024. The data is skewed due to the impact of wildfire smoke occurring over the night of May 11th. The West monitor was moved to its current location (Figure 1-1) on December 1st, 2021, and will continue to be evaluated to better understand influences from background sources, Lafarge Exshaw, as well as highway and rail sources.

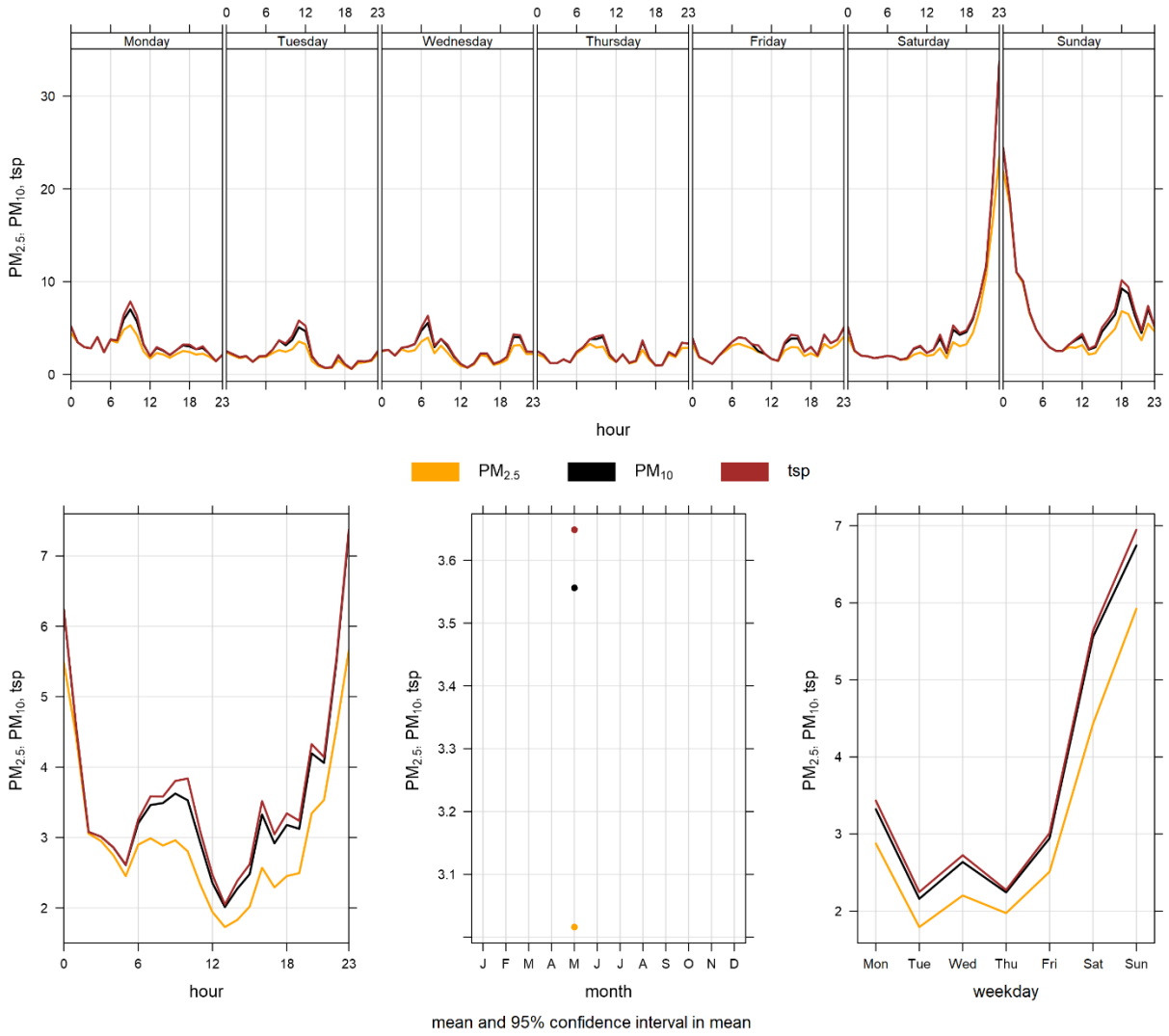

Figure 5-3 West monitor particulate matter time variation

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 analyzer had 99.7% uptime for the month of May due to 2 hours of equipment malfunction occurring on May 1st at 16:00 and 20:00.

6.2 MONITORING RESULTS AND TRENDS

The Entrance monitor was placed at its current location as a result of the dispersion modelling conducted for the facility. 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 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 the month of May, there were 22 exceedances of the 24-hour TSP (100 µg/m^3). There were 2 hours exceeding the 1-hour $PM_{2.5}$ Guideline and 1 exceedance of the 24-hour $PM_{2.5}$ Guideline due to wildfire smoke from northeastern BC.

Historically, the Entrance monitor records an average of 12 and 1 exceedances of the 24-hour TSP and $PM_{2.5}$ guidelines respectively, during the month of May. The maximum number of TSP exceedances recorded during May occurred in 2014, which had 20 days that exceeded the guideline. The maximum number of $PM_{2.5}$ exceedances recorded during May were 3 day in 2019.

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.

Table 6-2 Summary of May 2024 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	2	1	0.4	14.3	88.7	11	24	5.5	72.4	31.8	12	99.7
PM_{10} ($\mu g/m^3$)	-	-	Entrance	-	-	0.4	75.3	430.6	11	3	15.3	291.7	164.9	10	99.7
TSP ($\mu g/m^3$)	-	100	Entrance	-	22	0.4	173.5	1319.9	30	16	27.1	247.7	399.7	10	99.7

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						
2024-05-03	185.2	-	246.2	7.5	64.1	
2024-05-04	163.9	-	60.3	9.8	56.0	
2024-05-05	122.2	-	57.3	8.6	63.3	
2024-05-06	116.5	-	249.0	19.0	70.9	
2024-05-07	123.1	-	250.0	14.2	64.6	
2024-05-08	250.4	-	243.9	6.8	50.5	
2024-05-09	294.2	-	245.2	13.1	39.8	
2024-05-10	399.7	-	252.3	18.4	31.7	
2024-05-11	248.4	-	278.0	11.4	35.2	
2024-05-12	222.4	31.8	247.1	14.5	43.0	Regional wildfire activities
2024-05-13	213.2	-	257.5	9.7	59.3	
2024-05-15	332.0	-	258.7	17.2	40.5	
2024-05-16	176.5	-	260.2	15.9	63.8	
2024-05-21	245.7	-	254.3	11.9	58.8	
2024-05-24	119.7	-	276.5	12.5	71.2	

2024-05-25	125.6	-	257.0	13.8	55.4	
2024-05-26	108.2	-	246.8	21.1	44.9	High wind event
2024-05-27	208.2	-	245.5	18.3	36.9	
2024-05-28	347.3	-	262.8	11.7	44.7	
2024-05-29	301.4	-	246.7	21.9	43.5	High wind event
2024-05-30	381.7	-	247.0	21.4	36.9	High wind event
2024-05-31	260.7	-	247.9	20.3	29.4	High wind event
Total # of Exceedances	**22**	**1**				
Maximum # of Exceedances (May)	**20 (2014)**	**3 (2019)**				
Average # of Exceedances (May)	**12**	**1**				
Minimum # of Exceedances (May)	**2 (2020)**	**0 (2010, 2012, 2013, 2015, 2017, 2018, 2020, 2021, 2022)**				

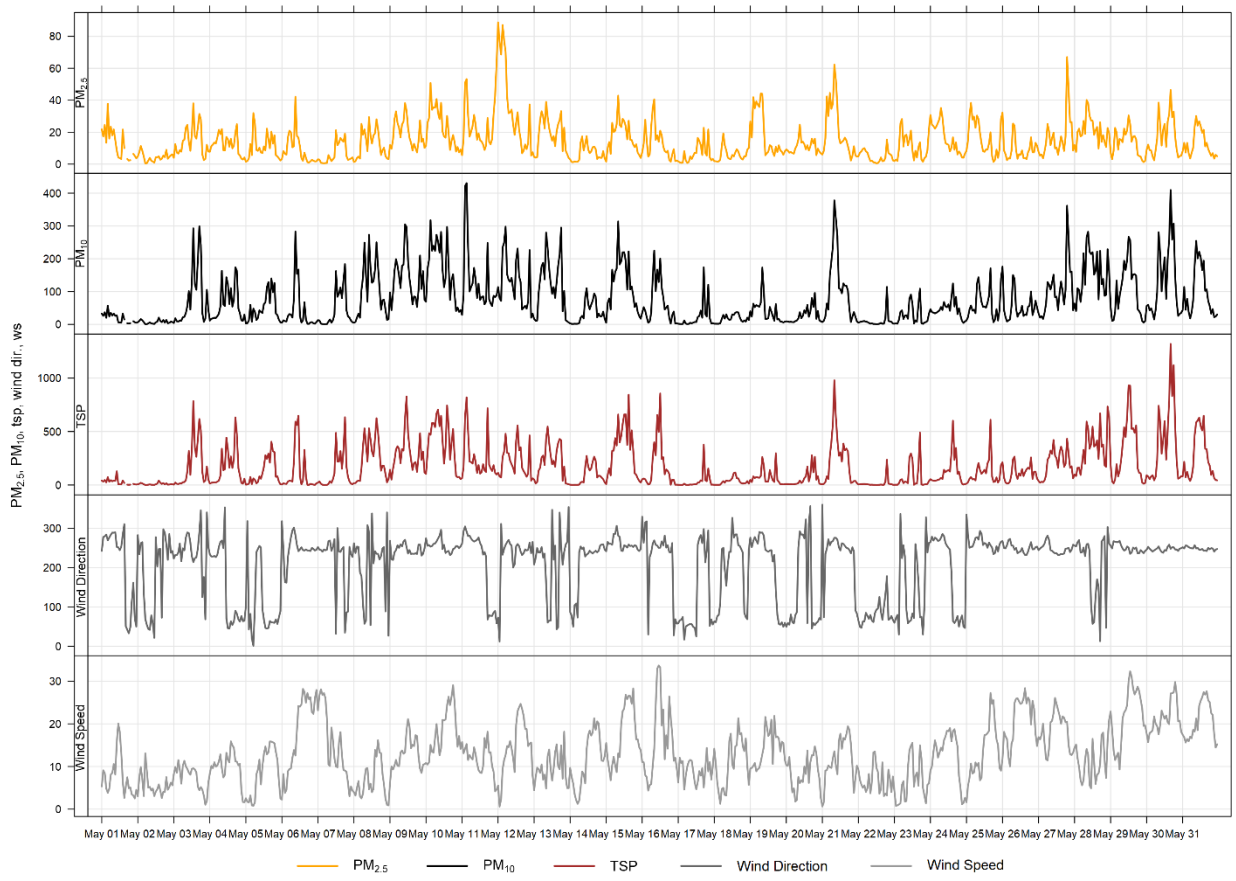

Figure 6-1 1-hour particulate matter concentrations recorded at the Entrance monitor

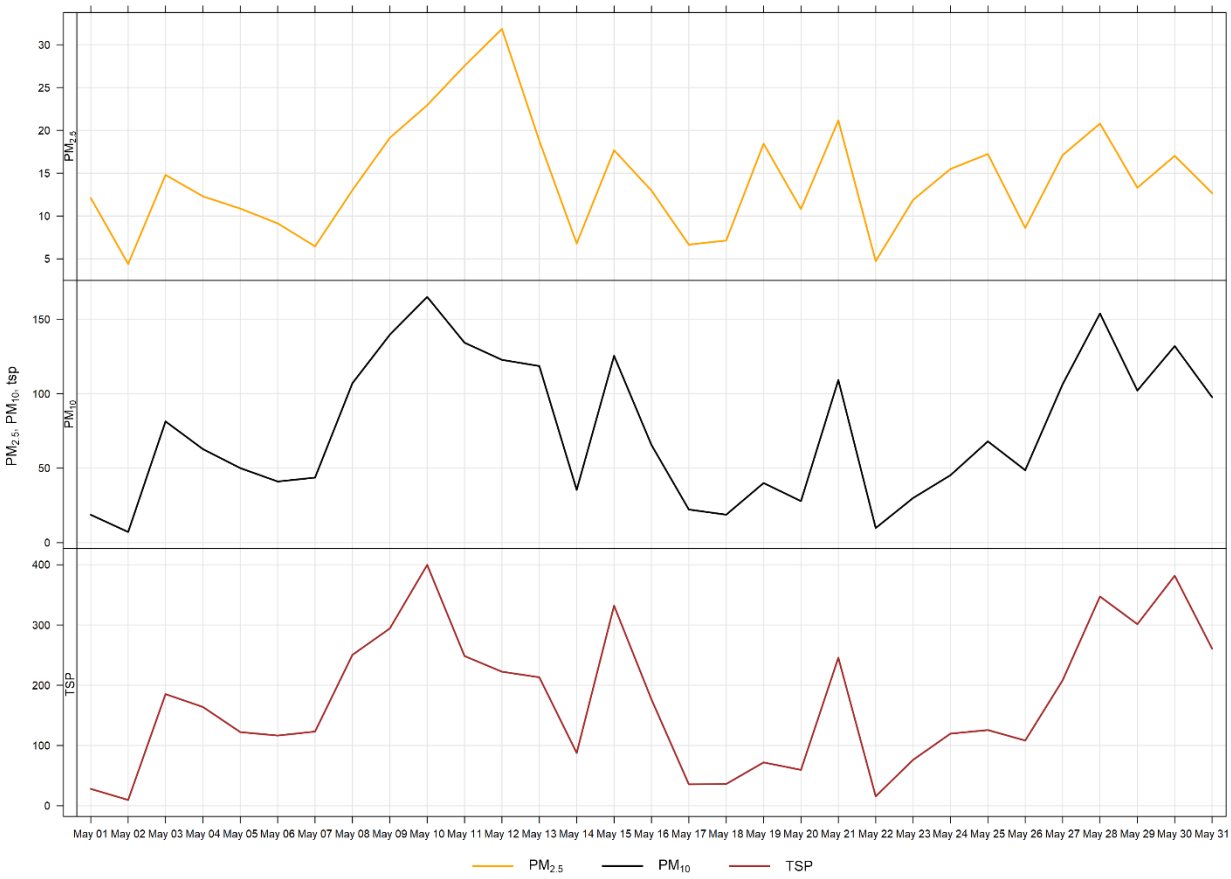

Figure 6-2 24-hour particulate matter concentrations recorded at the Entrance monitor

Figure 6-3 shows the wind rose for the 22 days of TSP exceedances. The wind rose shows that the wind predominately came from the west-southwest direction. This month many of the TSP exceedances were driven by windblown fugitive dust, excepting 1 day from wildfire smoke, and winds from the west-southwest which suggest impacts from both Lafarge Facility and other sources. Figure 6-4 shows the wind rose for the 1 day of $PM_{2.5}$ exceedances. The wind rose shows that wind predominately came from west-southwest and west, and it was a result of wildfire smoke spread from Fort Nelson, BC.

Figure 6-5 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 6-5 is based on data collected during May 2024. The diurnal pattern differs from the Windridge and Lagoon stations and are likely more influenced by daytime traffic emission (from vehicles serving Lafarge as well as regular highway traffic) given its location near the highway entrance to Lafarge.

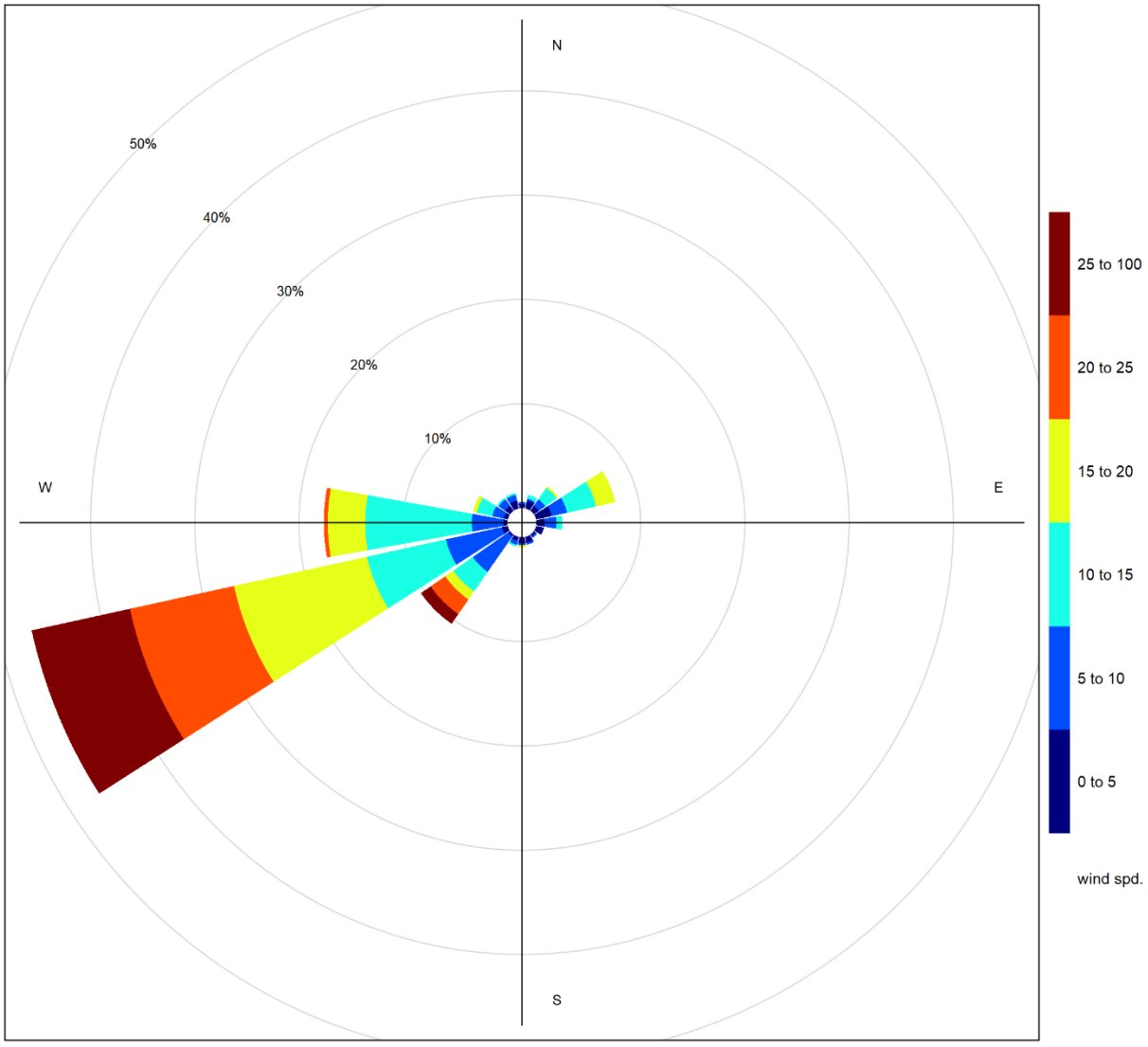

Figure 6-3 Wind rose for TSP exceedance days recorded at the Entrance GRIMM

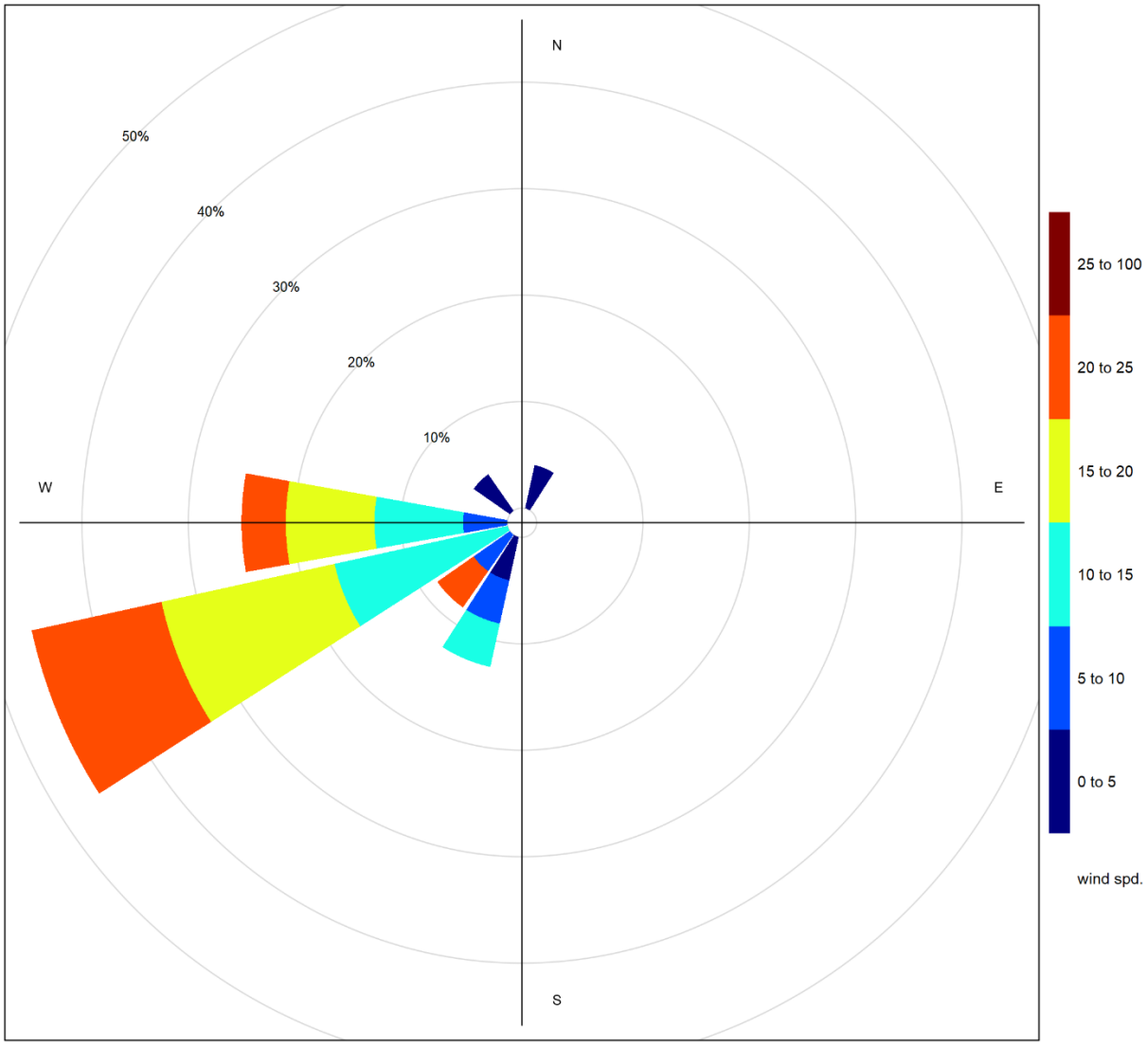

Figure 6-4 Wind rose for $PM_{2.5}$ exceedance days recorded at the Entrance GRIMM

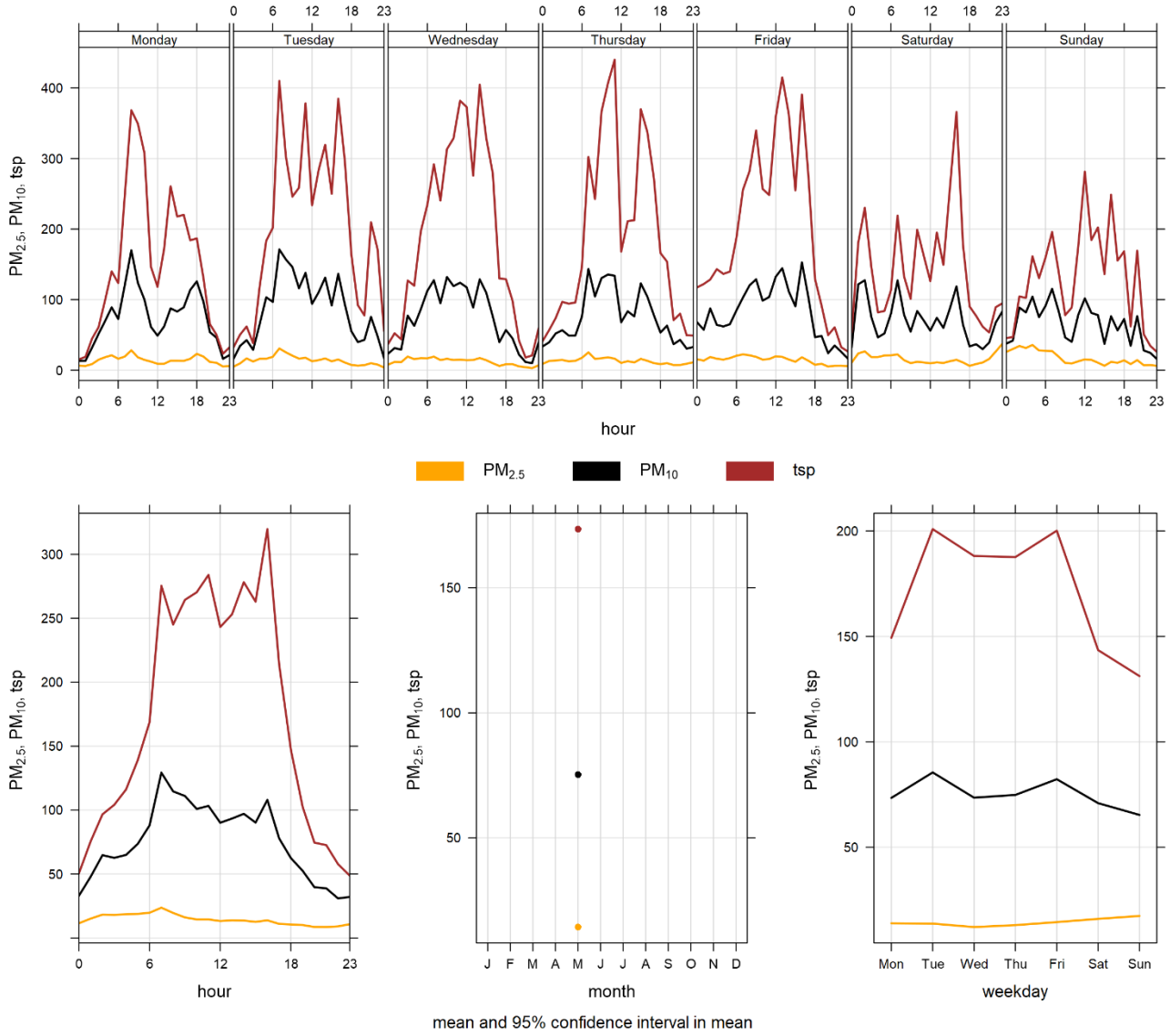

Figure 6-5 Entrance particule mater time variation

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- 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, Can

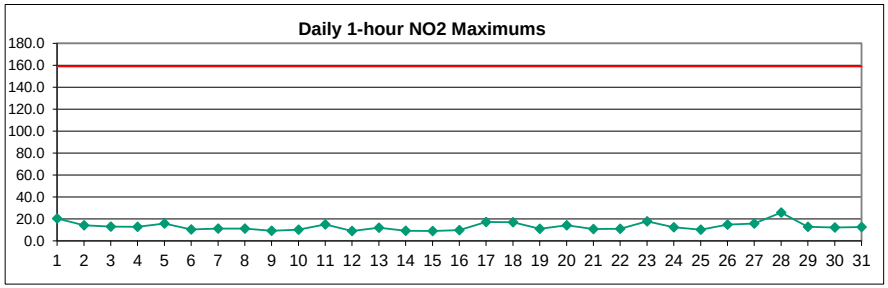
APPENDIX

A DATA & CALIBRATION REPORTS

APPENDIX

Lagoon NO_2 (ppb) – May 2024

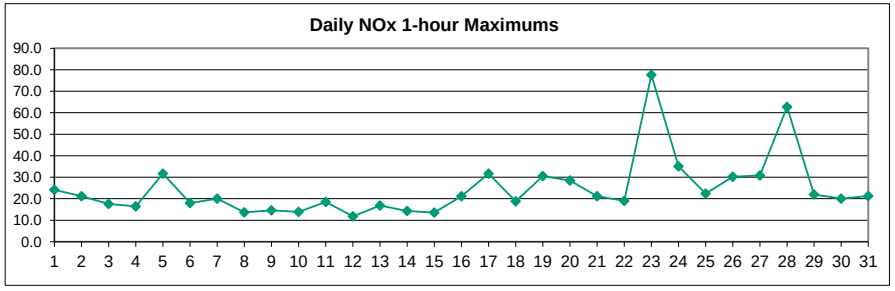
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	9.0	S	5.8	5.4	7.3	5.5	8.3	5.9	7.1	6.9	3.5	2.9	5.2	4.3	6.2	9.7	14.4	11.3	16.1	17.2	20.3	19.4	9.7	11.5	9.3	20.3
2	13.7	S	6.9	4.4	2.9	2.1	3.9	10.9	6.7	4.2	4.5	14.2	8.3	9.6	5.6	11.2	10.0	9.9	10.2	8.0	6.9	8.9	9.8	9.7	7.9	14.2
3	7.7	S	11.9	10.5	5.3	12.9	11.5	7.6	5.5	4.1	4.2	C	C	C	C	C	2.9	4.3	2.2	3.3	4.0	4.6	7.4	11.3	6.7	12.9
4	10.8	S	12.8	9.0	10.8	10.9	4.6	4.6	5.5	6.6	3.8	5.3	6.7	5.1	9.0	4.2	1.1	1.3	3.8	5.5	4.9	11.9	5.3	5.9	6.5	12.8
5	10.2	S	9.6	10.6	11.8	11.0	15.7	15.2	9.4	7.4	7.2	3.8	2.5	1.6	2.5	3.2	7.2	9.7	10.3	8.2	1.7	5.7	1.5	4.1	7.4	15.7
6	7.2	S	10.3	7.3	4.6	5.2	5.1	4.5	6.7	4.8	2.5	3.6	4.4	1.6	1.5	3.7	1.9	1.6	1.9	2.7	1.8	0.9	1.5	2.7	3.8	10.3
7	2.4	S	1.3	2.1	1.4	4.8	4.5	11.1	3.1	7.4	3.9	5.2	3.2	1.4	1.4	2.8	1.5	1.8	0.9	0.6	1.7	6.7	4.3	2.3	3.3	11.1
8	1.7	S	3.1	5.7	6.2	7.6	5.6	2.0	1.3	4.2	1.9	1.7	3.9	1.8	1.7	0.9	1.1	0.8	1.9	7.2	11.2	7.9	9.1	10.1	4.3	11.2
9	8.7	S	7.0	6.3	7.3	6.3	9.2	8.5	5.6	6.7	3.8	2.1	2.4	2.0	1.7	1.2	0.9	0.7	1.5	3.9	4.3	1.8	4.6	4.9	4.4	9.2
10	4.3	S	5.9	6.6	5.8	10.1	7.3	7.3	5.0	3.7	3.1	2.6	1.4	1.7	2.5	0.8	1.3	1.5	2.9	4.8	4.4	3.2	4.2	5.9	4.2	10.1
11	2.8	S	3.6	1.8	1.9	3.7	2.7	2.8	3.4	3.1	2.9	2.9	1.7	1.1	1.1	1.6	1.8	1.6	1.7	3.1	3.0	3.5	15.0	4.6	3.1	15.0
12	5.4	S	8.1	5.8	2.8	2.5	5.3	7.3	7.0	5.5	4.2	1.7	1.5	1.0	1.1	0.6	0.6	1.9	2.0	8.9	4.4	1.3	3.8	2.0	3.7	8.9
13	4.3	S	2.7	3.8	3.1	4.0	11.8	11.9	4.9	3.0	1.4	1.6	1.6	1.7	4.2	3.5	1.6	1.6	2.1	3.0	2.3	2.7	5.0	1.3	3.6	11.9
14	0.9	S	1.1	4.9	1.5	4.2	8.7	9.2	5.6	2.0	1.4	1.7	2.5	1.9	1.5	1.3	1.3	4.3	1.4	4.3	6.0	8.3	2.1	1.7	3.4	9.2
15	3.0	S	9.0	8.8	6.5	8.7	6.5	7.0	5.9	3.8	3.4	5.8	6.3	4.7	8.0	8.1	6.5	7.2	7.2	5.4	4.3	3.3	3.0	8.5	6.1	9.0
16	4.1	S	3.3	2.9	3.3	6.0	6.9	7.7	9.6	5.9	3.7	2.7	6.7	7.4	6.8	3.3	9.7	1.7	1.9	8.9	8.5	1.4	8.5	7.9	5.6	9.7
17	3.0	S	1.4	7.2	8.4	4.5	11.2	11.4	12.1	10.0	17.2	16.3	11.5	8.8	6.8	6.6	7.5	2.6	1.6	6.7	9.7	4.1	10.6	7.1	8.1	17.2
18	3.9	S	1.7	2.3	4.5	8.8	10.6	9.0	4.6	1.9	1.2	3.8	2.6	1.9	3.4	3.7	2.9	1.5	0.9	1.1	1.1	1.2	17.0	9.6	4.3	17.0
19	6.2	S	9.5	8.8	6.2	5.7	5.3	7.4	10.5	1.4	0.8	0.7	3.1	3.8	4.3	0.9	2.0	1.0	7.2	6.7	10.1	7.0	5.0	10.9	5.4	10.9
20	6.0	S	4.7	4.0	4.1	10.2	11.7	14.2	14.1	12.1	8.0	9.6	11.4	5.3	12.0	4.3	9.0	5.3	3.6	8.0	6.0	11.3	13.4	11.3	8.7	14.2
21	6.7	S	10.8	8.8	5.1	6.7	8.4	8.0	9.4	7.3	5.4	2.1	3.2	2.8	6.4	3.9	1.7	1.5	1.6	4.8	2.6	4.8	4.5	3.9	5.2	10.8
22	8.1	S	11.0	10.8	6.2	5.2	5.0	2.0	4.8	7.2	4.1	2.3	1.6	4.7	10.8	6.2	8.8	3.3	9.0	5.7	3.1	4.2	3.4	5.2	5.8	11.0
23	3.5	S	4.4	7.2	8.2	8.5	9.3	10.9	17.7	10.3	7.8	2.2	6.5	8.9	5.6	14.4	9.9	3.4	1.2	5.8	4.9	12.7	10.5	11.5	8.1	17.7
24	7.9	S	9.8	12.3	8.9	10.1	9.6	10.6	8.9	7.1	4.5	4.6	2.1	1.7	2.6	12.0	2.3	2.8	3.2	3.3	1.8	5.6	8.8	10.9	6.6	12.3
25	6.2	S	9.9	9.8	10.1	8.3	6.0	9.3	8.1	6.3	7.4	6.7	6.0	5.3	9.3	2.8	4.9	1.1	2.0	6.9	3.5	6.5	5.8	4.1	6.4	10.1
26	2.9	S	4.5	9.4	5.3	3.8	13.3	3.0	2.6	1.2	1.1	1.2	2.6	1.2	0.5	0.6	2.6	6.7	14.8	2.9	4.2	9.5	5.2	7.1	4.6	14.8
27	4.9	S	7.4	15.7	8.4	8.5	8.1	3.5	2.7	2.7	0.7	0.8	0.7	1.1	1.4	2.5	2.3	3.3	4.5	12.2	3.6	2.2	7.5	7.5	4.9	15.7
28	3.0	S	7.2	10.6	6.4	6.7	12.1	17.6	22.7	21.2	16.0	25.7	14.2	10.5	1.4	0.7	5.2	9.5	11.9	11.5	9.1	5.1	9.3	4.7	10.5	25.7
29	2.0	S	10.3	6.7	6.3	7.0	12.8	7.6	9.5	2.7	9.4	6.6	1.5	1.6	7.7	4.5	4.6	1.1	0.9	5.7	1.3	1.6	2.7	4.4	5.2	12.8
30	9.8	S	3.3	1.6	2.1	3.7	6.9	12.2	6.2	2.2	3.1	3.5	2.4	8.2	9.4	3.8	5.7	6.6	2.0	4.1	2.4	3.3	5.2	5.3	4.9	12.2
31	8.2	S	6.9	7.5	5.2	7.8	7.8	12.5	8.7	10.5	4.0	3.5	4.5	3.4	5.0	2.1	5.2	3.3	4.2	5.4	1.6	8.9	7.5	12.1	6.3	12.5
NO.	31	-	31	31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	31	31	31	31	31	31	708	100.0%
MEAN	5.8	-	6.6	7.1	5.7	6.8	8.2	8.5	7.6	5.9	4.7	4.9	4.4	3.9	4.7	4.2	4.5	3.7	4.4	6.0	5.0	5.8	6.8	6.8		
MAX	13.7	-	12.8	15.7	11.8	12.9	15.7	17.6	22.7	21.2	17.2	25.7	14.2	10.5	12.0	14.4	14.4	11.3	16.1	17.2	20.3	19.4	17.0	12.1		



Number of 1HR Exceedences	0		
Number of Non-Zero Readings	708		
Maximum 1-HR Average	25.7 PPB		
Maximum 24-HR Average	10.5 PPB		
		Operational Time	744 HRS
Monthly Calibration	5	Operational Uptime	100.0 %
Standard Deviation	3.8	Monthly Average	5.7 PPB

Lagoon NOx (ppb) – May 2024

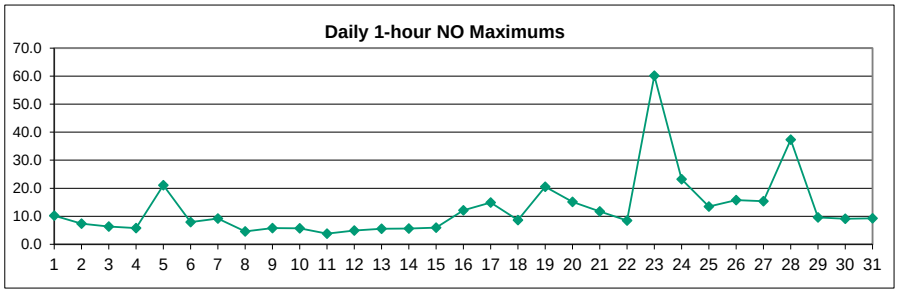
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	10.6	S	7.2	5.9	8.5	5.6	12.4	7.7	12.8	11.0	5.0	4.1	9.5	6.0	8.0	13.1	24.2	15.7	22.2	20.9	22.1	22.6	13.0	12.0	12.2	24.2
2	14.1	S	8.7	4.1	3.2	2.2	4.8	15.9	8.9	7.3	6.2	21.2	11.5	14.7	7.7	16.5	13.6	11.4	13.2	8.5	7.0	8.8	11.6	9.8	10.0	21.2
3	8.0	S	17.5	12.3	7.5	17.6	17.3	13.4	8.8	6.6	6.4	C	C	C	C	C	3.7	6.3	2.3	3.4	3.9	5.2	8.3	12.0	8.9	17.6
4	11.8	S	14.6	9.2	11.9	16.4	5.8	7.4	9.5	10.3	5.1	8.5	10.1	7.1	13.5	5.8	0.9	1.2	4.0	5.6	4.9	14.4	5.2	7.9	8.3	16.4
5	11.1	S	10.4	14.7	21.8	31.7	24.1	21.7	14.1	11.5	10.9	5.2	3.6	1.9	2.7	4.0	9.7	12.9	12.8	9.9	1.6	6.0	1.4	4.0	10.8	31.7
6	9.8	S	18.0	7.2	4.7	7.2	6.7	10.8	10.2	6.2	3.3	5.2	7.0	1.8	1.7	4.9	2.4	1.9	2.1	3.2	1.6	0.9	1.7	3.0	5.3	18.0
7	2.6	S	1.5	2.5	1.4	7.6	5.2	20.0	4.2	11.2	5.3	9.4	4.4	1.5	1.6	3.7	1.6	2.1	0.8	0.4	1.5	9.1	4.4	2.2	4.5	20.0
8	1.8	S	4.2	6.7	9.0	9.7	7.9	2.4	1.2	4.9	2.5	1.9	5.1	2.1	2.1	0.8	1.2	0.7	2.4	11.4	13.7	8.1	9.0	13.4	5.3	13.7
9	8.7	S	7.3	6.2	8.9	6.7	14.6	13.1	8.4	10.4	5.2	2.7	3.3	2.4	2.0	1.4	0.8	0.5	1.6	7.5	6.6	1.7	5.5	5.4	5.7	14.6
10	4.7	S	9.6	10.0	5.7	13.9	12.1	12.6	7.4	5.1	4.1	3.3	1.5	1.9	3.9	0.7	1.4	1.6	3.4	6.3	4.4	3.2	4.2	7.2	5.6	13.9
11	2.9	S	4.3	1.7	1.7	6.7	3.1	4.0	6.1	4.4	3.7	3.6	2.0	1.2	1.2	1.8	1.9	1.6	1.6	3.2	2.9	3.4	18.5	4.5	3.7	18.5
12	5.3	S	9.8	6.0	2.7	2.5	8.6	11.8	9.6	6.9	5.8	2.0	1.8	1.1	0.9	0.5	0.5	2.0	2.0	10.3	4.4	1.1	3.8	1.8	4.4	11.8
13	4.3	S	2.6	3.8	3.0	4.1	15.1	16.9	6.0	3.6	1.4	1.8	1.8	2.0	6.2	5.3	1.7	1.5	2.1	2.9	2.1	2.6	5.9	1.2	4.3	16.9
14	0.7	S	1.0	5.4	1.3	4.2	11.6	14.3	9.7	2.5	1.7	2.2	3.5	2.6	1.9	1.3	1.2	6.1	1.5	5.3	6.4	11.4	1.9	1.6	4.3	14.3
15	3.6	S	11.0	11.0	11.2	12.1	9.2	11.3	7.7	5.1	4.9	8.6	9.7	7.3	12.8	13.6	9.3	10.8	10.1	6.1	4.8	3.2	3.4	9.3	8.5	13.6
16	4.7	S	3.5	2.9	3.2	8.7	11.6	16.4	21.2	10.5	5.8	4.0	11.9	13.4	9.5	4.3	16.9	1.8	2.1	14.3	11.9	1.2	10.2	10.0	8.7	21.2
17	3.3	S	1.4	7.9	10.9	5.6	16.6	16.7	18.2	17.2	31.7	28.1	15.9	17.3	12.3	11.0	10.4	3.1	1.5	9.5	14.2	5.1	14.9	10.3	12.3	31.7
18	4.1	S	1.5	2.1	4.5	11.3	16.2	17.1	8.2	3.0	1.5	7.0	4.0	2.2	6.5	7.1	4.2	1.8	0.9	1.0	1.1	1.1	18.8	14.4	6.1	18.8
19	7.1	S	21.2	13.4	9.5	9.3	11.2	27.2	30.5	1.8	0.9	0.7	6.0	7.4	8.0	1.0	2.6	1.0	13.6	9.0	18.5	10.5	6.9	21.3	10.4	30.5
20	7.3	S	6.4	4.3	4.0	13.2	16.8	28.5	27.2	26.7	14.6	22.1	22.8	7.8	20.3	6.4	17.0	7.1	4.6	13.1	6.5	14.0	20.4	23.7	14.6	28.5
21	8.9	S	21.2	20.2	6.8	13.9	17.1	13.4	16.8	11.5	8.8	3.6	4.4	4.3	11.1	5.8	2.0	1.5	1.6	5.2	2.8	4.7	4.4	3.9	8.4	21.2
22	10.2	S	14.9	12.1	6.0	5.3	6.1	2.0	5.8	8.9	4.7	2.6	1.6	8.2	19.0	8.5	12.5	4.4	11.3	6.3	3.2	4.2	3.4	10.9	7.5	19.0
23	3.9	S	4.4	31.9	11.0	15.6	17.1	31.7	77.6	22.0	15.0	3.0	8.4	10.4	8.9	30.5	19.8	4.4	1.1	6.1	4.8	15.0	10.9	12.3	15.9	77.6
24	10.9	S	21.7	35.1	19.0	25.4	26.5	26.2	21.6	13.2	6.6	8.7	3.0	2.5	4.7	23.8	2.8	3.6	3.8	4.3	1.6	6.5	12.0	16.8	13.1	35.1
25	7.7	S	17.9	17.4	21.2	17.2	11.2	22.4	16.6	11.6	12.1	13.0	11.8	8.5	20.6	4.3	8.2	1.2	2.3	8.5	4.0	8.8	6.2	4.1	11.2	22.4
26	3.0	S	4.6	12.7	6.0	3.9	19.8	4.0	3.6	1.2	1.2	1.7	4.2	1.6	0.5	0.6	4.4	10.6	30.2	3.3	4.9	14.6	5.3	8.5	6.5	30.2
27	5.0	S	8.9	30.8	13.2	12.8	14.3	5.3	4.4	4.0	0.6	0.9	0.7	1.3	1.6	3.4	3.2	4.7	5.5	19.0	3.8	2.1	9.3	9.0	7.1	30.8
28	3.0	S	8.9	13.6	8.8	8.1	15.9	32.8	51.5	34.2	27.9	62.7	19.5	13.6	1.5	0.5	7.7	15.3	18.3	16.0	9.4	5.9	13.9	5.3	17.1	62.7
29	2.0	S	14.8	9.8	8.5	9.8	22.0	10.7	13.3	3.5	14.7	9.9	1.8	2.0	12.8	7.0	6.0	1.3	1.0	7.5	1.2	1.6	3.0	4.9	7.4	22.0
30	12.4	S	3.6	1.6	2.4	4.4	10.8	20.0	9.5	3.2	5.1	5.7	3.6	14.1	17.9	5.6	10.2	11.5	2.4	5.7	2.8	3.9	6.1	5.8	7.3	20.0
31	12.3	S	7.8	7.9	5.3	10.2	10.6	21.3	13.1	16.6	6.6	5.6	7.2	5.4	9.4	2.8	8.9	4.7	5.7	7.3	1.7	12.1	8.2	13.6	8.9	21.3
NO.	31	-	31	31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	31	31	31	31	31	31	708	100.0%
MEAN	6.6	-	9.4	10.7	7.8	10.4	13.0	15.5	15.0	9.6	7.4	8.6	6.7	5.8	7.7	6.5	6.8	5.0	6.1	7.8	5.8	6.9	8.1	8.7		
MAX	14.1	-	21.7	35.1	21.8	31.7	26.5	32.8	77.6	34.2	31.7	62.7	22.8	17.3	20.6	30.5	24.2	15.7	30.2	20.9	22.1	22.6	20.4	23.7		



Number of Non-Zero Readings	708		
Maximum 1-HR Average	77.6 PPB		
Maximum 24-HR Average	17.1 PPB		
		Operational Time	744 HRS
Monthly Calibration	5	Operational Uptime	100.0 %
Standard Deviation	7.576	Monthly Average	8.5 PPB

Lagoon NO (ppb) – May 2024

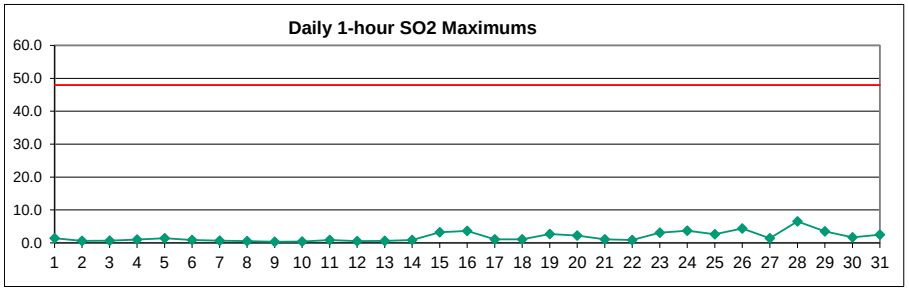
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	2.0	S	1.7	0.8	1.6	0.4	4.4	2.2	6.1	4.5	1.9	1.5	4.6	2.0	2.2	3.8	10.2	4.8	6.5	4.0	2.1	3.6	3.6	0.9	3.3	10.2
2	0.8	S	2.1	0.1	0.7	0.3	1.2	5.4	2.6	3.3	2.0	7.4	3.7	5.6	2.4	5.7	4.0	2.0	3.4	0.8	0.4	0.3	2.2	0.5	2.5	7.4
3	0.7	S	6.0	2.2	2.6	5.2	6.3	6.3	3.8	2.9	2.6	C	C	C	C	C	1.0	2.2	0.3	0.3	0.1	0.8	1.2	0.9	2.5	6.3
4	1.3	S	2.1	0.5	1.3	5.8	1.4	3.0	4.3	4.1	1.4	3.4	3.6	2.3	4.9	1.9	0.1	0.1	0.4	0.5	0.3	2.8	0.2	2.3	2.1	5.8
5	1.2	S	1.1	4.5	10.4	21.1	8.9	7.0	5.2	4.5	4.1	1.8	1.4	0.6	0.6	1.1	2.9	3.6	2.8	2.0	0.2	0.7	0.3	0.1	3.7	21.1
6	2.8	S	7.9	0.1	0.4	2.2	1.8	6.6	3.8	1.6	0.9	1.8	2.9	0.4	0.4	1.3	0.8	0.5	0.4	0.6	0.0	0.2	0.4	0.4	1.7	7.9
7	0.4	S	0.4	0.6	0.2	3.1	0.9	9.2	1.3	4.1	1.5	4.5	1.3	0.4	0.5	1.1	0.3	0.6	0.3	0.0	0.1	2.6	0.5	0.2	1.5	9.2
8	0.5	S	1.3	1.4	3.1	2.6	2.7	0.7	0.3	1.1	0.9	0.6	1.5	0.7	0.7	0.2	0.4	0.3	0.8	4.6	2.9	0.6	0.3	3.7	1.4	4.6
9	0.4	S	0.7	0.3	2.0	0.7	5.8	5.0	3.2	4.1	1.7	1.0	1.2	0.8	0.7	0.5	0.3	0.1	0.4	3.9	2.7	0.1	1.2	0.8	1.6	5.8
10	0.7	S	4.0	3.7	0.4	4.2	5.3	5.7	2.8	1.8	1.4	1.0	0.5	0.7	1.8	0.2	0.5	0.5	0.9	1.8	0.3	0.3	0.3	1.7	1.8	5.7
11	0.4	S	1.0	0.2	0.2	3.3	0.7	1.5	3.1	1.6	1.2	1.0	0.5	0.5	0.4	0.5	0.4	0.3	0.3	0.4	0.3	0.2	3.8	0.2	1.0	3.8
12	0.3	S	2.1	0.5	0.2	0.3	3.6	4.9	3.1	1.8	2.0	0.6	0.6	0.4	0.3	0.2	0.2	0.4	0.4	1.8	0.3	0.1	0.3	0.2	1.1	4.9
13	0.3	S	0.3	0.3	0.2	0.4	3.7	5.5	1.5	0.9	0.3	0.5	0.5	0.6	2.3	2.2	0.4	0.3	0.4	0.3	0.1	0.3	1.2	0.2	1.0	5.5
14	0.2	S	0.2	0.9	0.2	0.3	3.3	5.6	4.6	0.9	0.7	0.8	1.4	1.0	0.7	0.4	0.2	2.2	0.4	1.4	0.7	3.5	0.2	0.2	1.3	5.6
15	0.9	S	2.4	2.6	5.1	3.7	3.1	4.7	2.2	1.7	1.8	3.2	3.9	3.0	5.2	5.9	3.3	4.0	3.3	1.0	0.8	0.3	0.7	1.1	2.8	5.9
16	0.9	S	0.6	0.4	0.2	3.1	5.1	9.1	12.1	5.0	2.4	1.7	5.6	6.4	3.0	1.3	7.7	0.4	0.5	5.8	3.7	0.1	2.1	2.5	3.5	12.1
17	0.7	S	0.3	1.1	2.9	1.5	5.8	5.8	6.6	7.6	14.9	12.2	4.8	9.0	5.9	4.9	3.2	0.8	0.3	3.2	4.9	1.4	4.7	3.6	4.6	14.9
18	0.6	S	0.2	0.2	0.3	2.8	6.1	8.6	4.0	1.4	0.6	3.5	1.7	0.7	3.4	3.8	1.7	0.7	0.3	0.3	0.3	0.3	2.2	5.2	2.1	8.6
19	1.3	S	12.1	4.9	3.8	4.0	6.3	20.2	20.5	0.7	0.4	0.4	3.3	4.0	4.1	0.5	1.1	0.4	6.8	2.8	8.8	4.0	2.3	10.8	5.4	20.5
20	1.7	S	2.1	0.7	0.3	3.5	5.5	14.7	13.6	15.1	7.1	12.9	11.9	3.0	8.7	2.5	8.4	2.1	1.4	5.5	0.9	3.1	7.4	12.9	6.3	15.1
21	2.6	S	10.9	11.7	2.0	7.6	9.1	5.9	7.9	4.8	3.9	1.9	1.6	1.8	5.1	2.3	0.6	0.3	0.3	0.8	0.5	0.2	0.2	0.4	3.6	11.7
22	2.6	S	4.4	1.7	0.3	0.4	1.5	0.3	1.4	2.1	1.0	0.6	0.4	3.9	8.5	2.7	4.2	1.4	2.8	1.0	0.4	0.3	0.3	6.1	2.1	8.5
23	0.7	S	0.4	25.1	3.2	7.5	8.3	21.2	60.1	12.1	7.6	1.2	2.4	1.8	3.7	16.5	10.2	1.4	0.2	0.6	0.2	2.7	0.8	1.2	8.2	60.1
24	3.5	S	12.4	23.2	10.6	15.8	17.3	16.2	13.2	6.6	2.6	4.4	1.3	1.1	2.5	12.2	0.8	1.1	0.9	1.3	0.2	1.3	3.7	6.4	6.9	23.2
25	2.0	S	8.5	8.1	11.5	9.3	5.6	13.5	9.0	5.7	5.2	6.7	6.2	3.6	11.7	1.8	3.7	0.4	0.6	2.0	0.9	2.6	0.8	0.4	5.2	13.5
26	0.4	S	0.4	3.6	1.0	0.4	7.0	1.3	1.4	0.4	0.5	0.8	2.0	0.7	0.3	0.4	2.1	4.4	15.8	0.8	1.0	5.5	0.5	1.7	2.3	15.8
27	0.5	S	1.9	15.4	5.2	4.8	6.7	2.1	2.0	1.6	0.3	0.4	0.3	0.5	0.6	1.3	1.2	1.8	1.3	7.1	0.5	0.2	2.1	1.9	2.6	15.4
28	0.3	S	2.0	3.4	2.7	1.7	4.2	15.7	29.0	13.4	12.4	37.3	5.8	3.5	0.4	0.2	2.8	6.2	6.8	4.9	0.7	1.2	5.0	1.0	7.0	37.3
29	0.3	S	4.9	3.3	2.5	3.2	9.6	3.5	4.2	1.1	5.7	3.7	0.6	0.7	5.4	2.8	1.8	0.5	0.4	2.2	0.2	0.2	0.7	0.8	2.5	9.6
30	3.0	S	0.6	0.3	0.7	1.0	4.3	8.3	3.7	1.3	2.3	2.5	1.5	6.3	9.1	2.1	4.9	5.3	0.7	2.0	0.8	0.9	1.3	0.9	2.8	9.1
31	4.4	S	1.3	0.8	0.5	2.9	3.2	9.3	4.9	6.6	3.0	2.5	3.1	2.3	4.7	1.0	4.1	1.7	1.9	2.2	0.4	3.5	1.1	1.9	2.9	9.3
NO.	31	-	31	31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	31	31	31	31	31	31	708	100.0%
MEAN	1.2	-	3.1	4.0	2.5	4.0	5.1	7.4	7.8	4.0	3.0	4.1	2.7	2.3	3.3	2.7	2.7	1.6	2.0	2.1	1.2	1.4	1.7	2.3		
MAX	4.4	-	12.4	25.1	11.5	21.1	17.3	21.2	60.1	15.1	14.9	37.3	11.9	9.0	11.7	16.5	10.2	6.2	15.8	7.1	8.8	5.5	7.4	12.9		



Number of Non-Zero Readings	706		
Maximum 1-HR Average	60.1 PPB		
Maximum 24-HR Average	8.2 PPB		
		Operational Time	744 HRS
Monthly Calibration	5	Operational Uptime	100.0 %
Standard Deviation	4.498	Monthly Average	3.1 PPB

Lagoon SO_2 (ppb) – May 2024

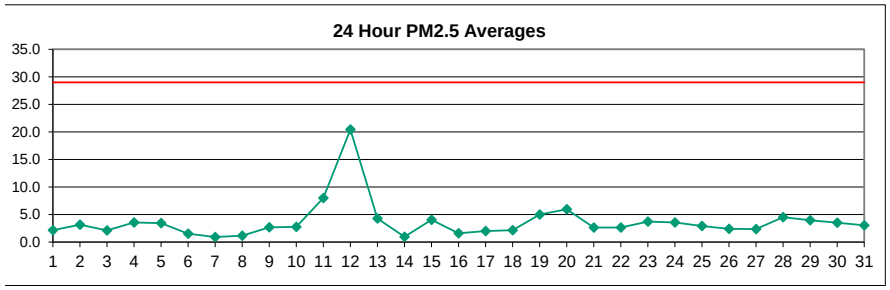
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	0.6	S	0.4	0.5	0.3	0.4	1.4	0.6	1.2	0.4	0.2	0.3	0.3	0.2	0.4	0.3	0.1	0.3	0.3	0.3	0.4	0.2	0.3	0.1	0.4	1.4
2	0.0	S	0.2	0.3	0.2	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.6	0.3	0.6	0.6	0.3	0.3	0.1	0.3	0.4	0.4	0.2	0.3	0.6
3	0.2	S	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.2	C	C	C	C	0.5	0.7	0.7	0.4	0.4	0.4	0.3	0.2	0.1	0.3	0.7
4	0.4	S	0.2	0.3	0.3	0.3	0.3	0.4	0.7	0.8	0.6	1.0	0.7	0.6	0.7	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	1.0
5	0.4	S	0.4	0.5	0.6	0.7	0.6	0.7	1.1	1.4	1.2	0.8	0.7	0.5	0.5	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.4	0.7	1.4
6	0.6	S	0.8	0.9	0.7	0.9	0.7	0.9	0.8	0.7	0.8	0.7	0.7	0.8	0.7	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.9
7	0.6	S	0.4	0.6	0.5	0.6	0.6	0.6	0.5	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.7
8	0.4	S	0.2	0.4	0.5	0.4	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.1	0.0	0.2	0.3	0.5
9	0.2	S	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.1	0.1	0.1	0.3
10	0.2	S	0.0	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.4
11	0.3	S	0.3	0.4	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.9	0.9	0.8	0.9	0.9	0.7	0.6	0.4	0.5	0.9
12	0.4	S	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.5	0.3	0.4	0.5	0.4	0.5
13	0.5	S	0.3	0.4	0.5	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.1	0.4	0.3	0.3	0.4	0.4	0.6
14	0.4	S	0.3	0.4	0.3	0.2	0.3	0.5	0.6	0.4	0.3	0.6	0.9	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.7	0.3	0.4	0.4	0.4	0.9
15	0.4	S	1.2	3.2	0.2	0.5	0.5	0.5	0.4	0.4	1.0	0.9	1.2	0.9	1.5	0.9	0.8	0.8	0.6	0.5	0.5	0.4	0.5	0.7	0.8	3.2
16	0.5	S	0.5	0.5	0.6	0.7	0.6	0.6	0.9	0.8	0.9	0.8	3.6	2.2	1.4	0.7	3.1	0.7	0.7	0.8	0.8	0.8	0.7	0.7	1.0	3.6
17	0.6	S	0.6	0.6	0.6	0.4	0.7	0.7	0.6	0.6	0.9	0.9	0.8	0.8	1.0	1.0	1.1	0.5	0.2	0.6	0.6	0.5	0.8	0.2	0.7	1.1
18	0.4	S	0.3	0.4	0.5	0.6	0.8	1.1	0.7	0.5	0.4	0.6	0.8	0.4	0.6	0.6	0.6	0.5	0.5	0.7	0.5	0.4	0.8	0.7	0.6	1.1
19	0.5	S	0.7	0.6	0.6	0.6	0.8	1.9	2.7	0.5	0.4	0.3	0.8	1.0	1.2	0.5	0.5	0.5	0.8	0.9	0.7	0.7	0.5	1.0	0.8	2.7
20	0.7	S	0.4	0.4	0.4	0.6	0.8	1.1	1.1	1.1	0.9	1.2	2.2	0.8	1.2	1.0	1.2	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.9	2.2
21	0.4	S	1.1	1.1	0.5	0.8	0.7	0.5	0.4	0.5	0.5	0.6	0.5	0.5	0.9	0.7	0.6	0.6	0.4	0.7	0.6	0.7	1.1	0.7	0.7	1.1
22	0.7	S	0.9	0.6	0.5	0.3	0.5	0.5	0.5	0.6	0.5	0.4	0.2	0.5	0.7	0.5	0.7	0.4	0.6	0.8	0.7	0.6	0.5	0.6	0.6	0.9
23	0.5	S	0.4	0.8	0.6	0.6	0.7	1.1	1.7	0.7	0.5	0.5	0.6	0.6	0.8	3.1	0.7	0.6	0.5	0.1	0.4	0.6	0.6	0.6	0.8	3.1
24	0.7	S	1.7	2.6	1.5	2.2	3.0	3.3	3.7	1.0	0.8	0.7	0.6	0.7	0.8	1.5	0.7	0.8	0.7	0.7	0.6	0.6	0.8	0.8	1.3	3.7
25	0.6	S	1.3	1.4	1.6	1.4	1.3	2.6	2.5	2.5	1.7	2.4	1.7	1.0	2.4	0.8	0.9	0.6	0.7	1.0	0.8	0.8	0.4	0.7	1.4	2.6
26	0.7	S	0.5	0.8	1.0	0.7	2.5	0.9	0.7	0.5	0.6	0.6	0.9	0.6	0.6	0.6	0.6	1.1	4.4	0.9	0.5	1.3	0.4	0.7	1.0	4.4
27	0.5	S	0.3	0.8	0.8	1.4	0.9	0.4	0.5	0.2	0.4	0.4	0.3	0.5	0.4	0.3	0.6	0.6	0.6	1.2	0.6	0.3	0.4	0.5	0.6	1.4
28	0.5	S	1.0	1.1	0.7	0.4	0.5	2.4	6.5	4.5	2.1	2.2	1.0	1.2	0.6	0.6	1.6	3.0	2.9	2.1	1.5	1.2	2.5	1.0	1.8	6.5
29	0.5	S	0.9	0.7	0.7	0.9	0.8	1.1	3.1	0.6	3.3	3.3	0.5	0.5	3.5	2.7	1.6	0.6	0.5	1.6	0.5	0.5	0.6	0.4	1.3	3.5
30	0.6	S	0.3	0.4	0.0	0.3	0.9	1.5	0.5	0.4	0.5	0.8	0.6	1.1	1.7	0.6	1.4	1.5	0.6	0.5	0.4	0.3	0.6	0.5	0.7	1.7
31	0.5	S	0.4	0.4	0.5	0.4	0.5	2.5	1.2	1.5	0.9	0.8	1.0	1.7	1.4	0.4	1.3	1.0	1.1	1.4	0.6	0.7	0.4	0.5	0.9	2.5
NO.	31	-	31	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	709	100.0%
MEAN	0.5	-	0.5	0.7	0.5	0.6	0.7	0.9	1.1	0.8	0.7	0.8	0.8	0.7	0.9	0.7	0.8	0.7	0.7	0.7	0.6	0.5	0.6	0.5		
MAX	0.7	-	1.7	3.2	1.6	2.2	3.0	3.3	6.5	4.5	3.3	3.3	3.6	2.2	3.5	3.1	3.1	3.0	4.4	2.1	1.5	1.3	2.5	1.0		



Number of 1HR Exceedences	0		
Number of Non-Zero Readings	698		
Maximum 1-HR Average	6.5 PPB		
Maximum 24-HR Average	1.8 PPB		
		Operational Time	744 HRS
Monthly Calibration	4	Operational Uptime	100.0 %
Standard Deviation	0.628	Monthly Average	0.7 PPB

Lagoon $PM_{2.5}$ ($\mu g/m^3$) – May 2024

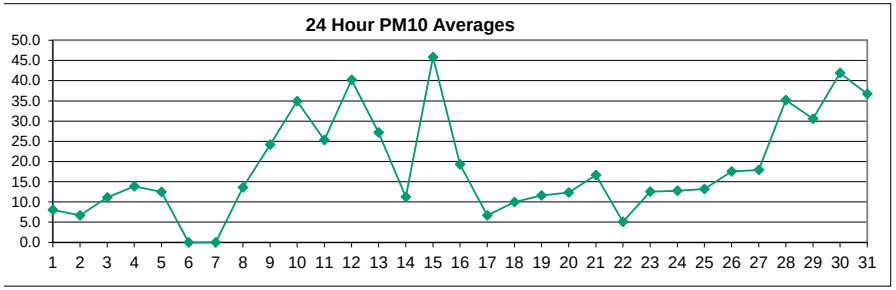
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	1.4	1.7	2.3	2.7	1.6	0.2	0.7	4.0	3.1	1.3	3.4	4.8	3.5	0.0	0.0	0.2	0.6	4.1	3.3	1.0	3.0	3.9	2.5	2.4	2.2	4.8
2	2.1	2.0	1.6	0.6	3.0	2.9	0.0	0.0	2.1	2.8	C	C	C	C	C	C	8.6	4.3	3.7	5.2	4.2	4.1	3.0	6.5	3.2	8.6
3	6.1	3.5	3.5	2.2	1.5	3.2	1.8	1.4	2.2	2.5	2.3	1.6	0.7	0.0	1.7	1.3	0.0	0.0	2.6	2.1	0.1	1.1	4.5	4.5	2.1	6.1
4	3.5	3.0	4.1	5.5	5.1	4.1	1.8	0.0	5.8	9.9	5.4	1.4	3.3	5.1	4.3	3.1	1.9	0.5	0.0	2.1	2.4	3.4	4.1	5.3	3.5	9.9
5	4.1	2.8	1.8	1.0	1.1	4.2	5.8	5.2	7.6	8.5	6.3	3.3	5.0	3.5	0.5	3.5	1.3	4.8	7.0	3.9	1.1	0.0	0.0	0.0	3.4	8.5
6	0.0	0.0	2.8	3.6	3.4	2.2	1.2	1.7	3.1	2.9	4.3	3.0	3.5	3.1	0.3	0.5	0.3	0.0	0.0	0.0	0.0	0.9	0.0	0.0	1.5	4.3
7	0.8	0.8	0.0	0.0	1.6	0.7	0.0	0.0	1.3	1.0	1.8	2.3	2.1	0.0	1.0	1.9	1.5	2.9	1.3	0.0	0.0	0.2	0.4	0.0	0.9	2.9
8	0.0	2.2	2.7	1.4	0.5	0.0	0.0	0.0	2.0	3.7	3.6	2.6	1.1	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.2	3.9	3.7	1.2	3.9
9	3.3	6.3	6.0	4.9	3.4	2.8	2.4	0.9	1.4	1.3	3.4	7.4	4.8	3.4	2.9	1.5	0.0	0.0	0.0	1.8	2.4	1.0	0.9	2.1	2.7	7.4
10	1.4	1.3	2.5	2.5	4.2	4.0	5.3	3.5	2.7	2.3	2.0	7.6	5.1	1.3	0.2	3.0	2.5	0.9	1.5	3.3	5.0	2.7	0.0	1.4	2.8	7.6
11	7.9	5.1	0.0	0.3	1.7	1.5	2.9	2.7	1.2	0.3	0.1	1.1	3.4	3.1	0.3	1.9	2.4	8.2	6.9	6.4	9.9	24.5	41.8	58.4	8.0	58.4
12	79.2	80.4	80.4	51.9	31.2	22.5	18.8	13.3	10.9	8.3	13.3	12.8	7.9	6.8	5.5	3.4	5.7	1.9	4.8	5.0	6.4	10.8	6.7	2.2	20.4	80.4
13	3.7	5.3	3.4	2.0	4.4	4.6	4.1	6.8	5.3	7.3	4.6	2.3	1.2	0.7	1.7	4.4	5.6	6.0	10.1	7.9	4.4	3.8	2.6	0.0	4.3	10.1
14	2.0	1.7	0.0	0.0	0.1	0.0	0.0	0.7	6.8	4.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.4	2.6	0.6	1.0	6.8
15	0.0	0.2	2.9	2.2	0.5	1.7	1.1	0.0	0.6	5.1	2.8	1.5	4.5	6.6	4.3	15.9	11.0	8.0	7.4	4.6	6.7	4.6	2.6	2.2	4.0	15.9
16	0.0	0.0	0.0	0.0	1.1	1.0	0.9	2.2	4.4	5.6	4.0	2.6	3.4	7.1	4.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6	7.1
17	0.0	0.0	0.8	0.0	0.4	1.9	0.5	0.8	2.2	2.3	1.0	1.3	5.5	7.4	6.4	4.9	3.1	0.2	0.0	2.8	3.2	2.8	0.6	0.0	2.0	7.4
18	0.0	0.0	0.0	0.0	0.0	0.0	3.3	7.2	6.1	3.5	2.2	2.7	1.1	0.0	0.0	0.0	1.8	5.2	4.0	0.0	3.0	4.7	2.7	3.8	2.1	7.2
19	3.7	4.9	3.5	9.2	7.0	7.3	6.6	5.8	5.4	4.0	1.8	1.4	2.7	3.3	5.4	3.8	1.8	3.8	4.3	4.6	8.1	8.0	6.6	6.5	5.0	9.2
20	7.6	4.2	9.9	8.3	8.1	6.9	5.5	6.9	8.0	9.8	7.0	6.1	4.3	3.8	9.3	6.8	3.3	4.4	6.6	4.5	2.0	1.5	3.0	5.4	6.0	9.9
21	4.0	0.7	6.0	6.7	4.3	6.7	6.6	3.8	3.1	1.6	3.1	3.2	4.2	2.2	0.1	1.8	1.2	0.0	0.8	0.0	0.0	0.9	1.4	0.6	2.6	6.7
22	2.8	9.3	7.7	6.7	3.9	2.8	3.4	3.4	2.6	1.5	0.0	0.0	0.0	0.1	0.5	0.8	0.7	1.5	0.0	1.5	3.8	3.1	2.9	4.5	2.6	9.3
23	3.9	2.5	0.0	0.0	2.5	2.2	8.1	9.2	9.7	8.3	5.4	2.2	0.9	2.3	5.6	6.2	5.3	3.4	1.9	1.4	1.6	1.4	2.0	3.0	3.7	9.7
24	3.6	5.0	4.4	2.6	5.9	4.6	4.6	6.5	4.6	2.5	6.1	5.3	2.9	5.3	2.6	1.4	3.1	3.4	1.6	0.0	0.0	0.7	2.7	5.9	3.6	6.5
25	5.4	4.5	4.3	3.2	5.5	6.3	7.0	4.2	0.4	0.1	2.5	2.8	2.5	3.6	4.2	3.3	1.8	2.7	0.6	0.0	2.6	2.8	0.0	0.0	2.9	7.0
26	4.5	1.8	2.3	2.5	2.5	0.7	1.5	3.3	2.4	1.7	0.5	0.0	0.0	1.7	1.6	0.0	0.5	2.7	6.1	6.3	3.6	2.7	4.7	4.0	2.4	6.3
27	2.1	2.3	2.5	3.4	5.0	4.0	2.8	1.3	0.7	0.0	0.0	0.0	0.0	2.3	7.1	3.6	0.0	0.2	2.1	3.8	5.9	3.9	1.0	2.1	2.3	7.1
28	6.4	4.6	3.1	1.2	1.4	5.8	5.5	4.3	6.9	9.1	6.5	6.4	14.8	8.2	3.4	2.0	0.0	0.0	2.2	4.9	4.7	1.7	2.3	2.6	4.5	14.8
29	7.3	5.9	1.8	2.6	3.5	3.4	3.7	3.8	2.9	5.2	3.5	3.0	9.1	9.7	4.8	5.5	5.8	1.9	0.0	0.0	2.7	4.7	3.1	0.8	3.9	9.7
30	1.1	5.4	3.1	0.0	0.0	0.0	1.6	4.9	6.3	4.1	1.6	2.2	7.7	5.5	6.9	5.8	3.9	6.3	7.0	4.8	2.4	1.1	0.3	2.1	3.5	7.7
31	2.6	0.0	2.7	7.6	5.4	3.1	4.6	3.6	4.3	4.1	3.9	2.7	2.1	3.2	1.2	0.0	0.9	4.4	3.8	4.8	4.5	1.9	0.4	0.6	3.0	7.6
NO.	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	31	31	31	31	31	31	31	31	738	100.0%
MEAN	5.5	5.4	5.4	4.3	3.9	3.6	3.6	3.6	4.1	4.0	3.4	3.1	3.6	3.3	2.9	2.9	2.4	2.6	2.9	2.7	3.0	3.4	3.5	4.2		
MAX	79.2	80.4	80.4	51.9	31.2	22.5	18.8	13.3	10.9	9.9	13.3	12.8	14.8	9.7	9.3	15.9	11.0	8.2	10.1	7.9	9.9	24.5	41.8	58.4		



Number of 24HR Exceedences	0		
Number of Non-Zero Readings	622		
Maximum 1-HR Average	80.4 UG/M3		
Maximum 24-HR Average	20.4 UG/M3		
		Operational Time	744 HRS
Monthly Calibration	6	Operational Uptime	100.0 %
Standard Deviation	6.515	Monthly Average	3.6 UG/M3

Lagoon PM_{10} ($\mu g/m^3$) – May 2024

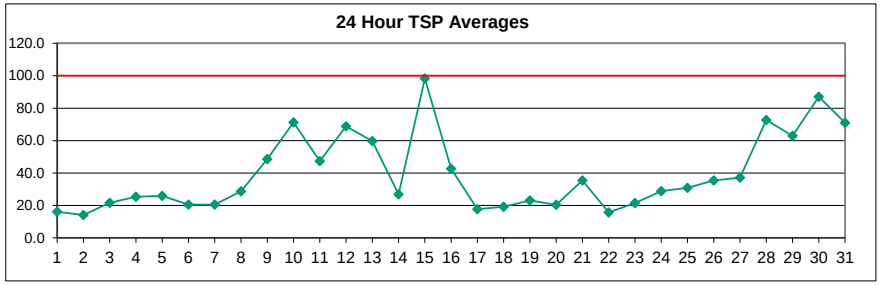
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	13.8	11.3	6.1	3.3	3.1	8.8	9.6	10.4	11.5	7.5	17.7	14.6	2.1	3.2	9.7	6.7	7.9	7.0	5.6	5.3	6.0	12.4	6.5	2.8	8.0	17.7
2	2.7	9.3	17.8	12.2	10.5	5.8	1.9	1.0	0.0	2.1	C	C	C	C	C	C	4.8	7.4	7.5	5.5	5.3	5.4	8.0	12.4	6.6	17.8
3	11.6	8.5	5.6	13.0	11.5	7.1	18.5	19.2	17.4	16.4	24.2	32.2	8.5	4.1	1.5	2.2	4.8	7.9	7.7	8.9	5.0	5.3	19.5	6.7	11.1	32.2
4	14.3	21.2	19.7	16.6	12.3	22.8	16.4	9.8	10.6	24.3	18.6	10.1	23.3	13.2	18.0	15.4	12.0	5.6	3.8	10.2	7.6	7.3	11.9	7.6	13.9	24.3
5	8.0	9.2	7.2	6.1	12.0	20.3	17.3	25.6	31.8	25.5	16.7	2.8	4.0	3.3	19.1	11.5	12.0	18.6	10.7	18.3	3.1	5.7	7.2	3.5	12.5	31.8
6	1.8	4.9	9.0	8.3	14.3	3.8	12.2	14.1	12.7	22.1	55.3	15.0	X	X	X	X	X	X	X	X	X	X	X	X	-	-
7	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	16.5	4.5	2.4	3.4	5.9	24.2	5.9	-	-
8	4.9	3.7	2.7	11.5	7.1	13.3	17.3	24.8	9.8	10.5	26.0	12.7	15.0	36.0	17.8	12.8	8.4	5.4	15.3	15.0	12.9	14.9	10.8	17.7	13.6	36.0
9	19.5	11.6	11.6	21.9	21.0	7.4	13.0	38.1	54.2	30.4	61.2	65.0	32.3	34.8	21.3	13.8	5.1	10.1	12.5	18.0	24.4	12.7	16.2	24.1	24.2	65.0
10	9.6	13.6	16.7	26.4	18.6	16.3	17.1	42.9	29.6	35.1	25.1	70.4	52.3	23.7	52.5	51.8	22.7	49.8	70.7	40.9	44.2	49.9	29.0	29.4	34.9	70.7
11	16.0	22.0	7.8	11.5	8.7	10.1	8.0	10.9	17.6	14.8	28.6	32.9	37.4	30.9	1.1	12.9	17.0	57.8	18.3	28.5	33.3	40.9	61.8	79.5	25.3	79.5
12	88.2	90.0	86.1	65.8	57.4	36.6	21.4	18.8	18.4	23.5	31.4	32.9	63.8	63.6	39.7	20.0	11.5	8.2	35.5	10.2	23.6	95.4	11.9	11.0	40.2	95.4
13	7.6	9.0	6.4	5.7	12.4	16.5	15.1	38.5	47.1	69.0	15.3	7.6	27.1	21.1	28.8	73.6	46.6	44.4	125.7	2.2	11.3	8.2	5.4	8.2	27.2	125.7
14	10.1	6.3	2.4	3.8	9.1	4.0	4.3	10.2	41.6	11.2	7.9	3.4	4.8	13.8	8.3	5.5	4.9	7.9	5.3	2.2	29.2	18.5	39.3	15.4	11.2	41.6
15	6.2	12.6	9.2	5.9	8.5	4.6	7.1	22.3	38.7	50.9	23.6	65.6	100.0	113.0	64.0	190.1	74.0	86.3	81.9	51.0	43.3	16.0	9.9	15.6	45.8	190.1
16	13.7	10.2	6.8	3.9	2.1	2.6	3.7	10.6	32.9	68.0	69.1	41.0	47.4	45.3	25.3	8.1	20.1	18.5	9.7	5.6	7.2	5.5	3.5	1.6	19.3	69.1
17	0.0	0.0	2.5	0.4	1.2	5.0	2.3	0.0	5.3	13.7	1.0	10.5	10.1	12.4	11.9	22.6	17.7	11.6	8.5	4.7	7.7	3.8	3.5	4.0	6.7	22.6
18	2.2	2.2	3.2	3.0	4.6	19.9	19.0	19.3	19.7	13.1	7.9	3.6	9.8	5.4	9.0	6.9	23.7	28.1	5.6	2.8	3.7	6.3	7.6	12.5	10.0	28.1
19	9.6	16.3	7.5	14.9	17.8	26.5	7.3	4.6	24.3	19.1	0.0	0.9	2.7	13.4	15.7	7.9	4.8	22.1	4.7	13.5	16.5	6.9	10.1	11.6	11.6	26.5
20	14.1	16.1	10.2	5.9	4.6	4.7	4.8	12.2	24.0	18.4	16.7	13.2	14.7	27.9	12.3	9.2	8.9	9.1	10.0	6.9	6.3	7.8	19.6	17.7	12.3	27.9
21	8.2	6.2	15.8	22.8	11.6	15.3	11.8	14.8	33.2	28.2	26.0	31.8	14.6	20.5	9.7	26.9	30.2	15.6	2.0	1.6	18.3	25.0	4.3	5.5	16.7	33.2
22	3.8	9.4	7.1	9.4	6.0	6.3	3.7	6.8	3.6	0.0	1.1	0.0	0.0	3.8	2.0	3.0	4.0	4.2	3.4	28.2	1.3	2.8	6.7	5.0	5.1	28.2
23	3.3	2.8	2.8	9.7	6.7	19.8	32.5	33.0	27.7	32.2	12.7	8.7	5.0	4.1	6.4	5.0	12.5	13.1	6.6	4.7	13.5	8.5	10.5	18.7	12.5	33.0
24	15.3	4.6	2.6	5.6	8.0	5.3	5.8	8.3	14.7	24.4	56.0	41.6	18.5	14.9	4.5	3.5	18.0	13.5	7.6	5.3	5.0	4.9	7.5	10.9	12.8	56.0
25	10.9	10.0	24.5	7.2	11.2	6.7	4.9	12.5	11.2	5.5	8.8	8.9	15.4	9.3	15.0	14.2	50.8	19.3	0.0	0.4	34.3	9.6	16.8	9.5	13.2	50.8
26	17.9	9.3	7.6	17.5	16.8	13.9	16.9	38.1	11.3	10.0	5.1	2.1	4.3	30.1	4.8	6.8	3.6	14.6	40.9	63.2	9.0	12.6	34.9	29.7	17.5	63.2
27	4.0	5.0	17.3	16.7	48.2	22.1	5.2	22.5	14.8	21.1	18.7	11.8	4.6	3.4	11.0	21.2	14.4	12.2	20.1	49.4	31.7	12.1	9.2	33.1	17.9	49.4
28	40.3	25.6	17.7	5.5	6.4	8.3	24.7	35.0	61.8	64.3	43.1	71.5	50.4	27.5	34.0	6.7	5.5	36.1	51.7	66.1	25.3	5.7	67.0	64.7	35.2	71.5
29	47.4	14.9	54.0	26.1	23.0	22.0	27.0	31.8	30.6	23.3	18.4	72.7	76.7	43.8	30.3	64.5	26.1	63.9	13.7	8.6	13.9	0.0	1.2	0.8	30.6	76.7
30	5.2	33.3	18.8	3.8	2.5	1.0	11.6	34.7	72.9	44.3	26.6	24.7	45.2	35.2	80.2	131.7	92.9	89.7	131.6	52.9	24.6	2.7	10.7	28.2	41.9	131.7
31	33.9	22.9	43.9	61.0	28.2	23.8	27.6	40.2	48.2	67.1	55.9	39.3	48.6	50.5	44.4	38.1	24.3	40.0	26.6	31.9	37.7	2.8	26.4	18.7	36.8	67.1
NO.	30	30	30	30	30	30	30	30	30	30	29	29	28	28	28	28	29	30	30	30	30	30	30	30	709	96.1%
MEAN	14.8	14.1	15.0	14.2	13.5	12.7	12.9	20.4	25.9	26.5	24.8	25.8	26.4	25.3	21.4	28.3	20.3	24.8	24.9	18.8	17.0	13.9	16.7	17.1		
MAX	88.2	90.0	86.1	65.8	57.4	36.6	32.5	42.9	72.9	69.0	69.1	72.7	100.0	113.0	80.2	190.1	92.9	89.7	131.6	66.1	44.2	95.4	67.0	79.5		



Number of Non-Zero Readings	699		
Maximum 1-HR Average	190.1 UG/M3		
Maximum 24-HR Average	45.8 UG/M3		
		Operational Time	715 HRS
Monthly Calibration	6	Operational Uptime	96.1 %
Standard Deviation	20.91	Monthly Average	19.7 UG/M3

Lagoon TSP (µg/m^3) – May 2024

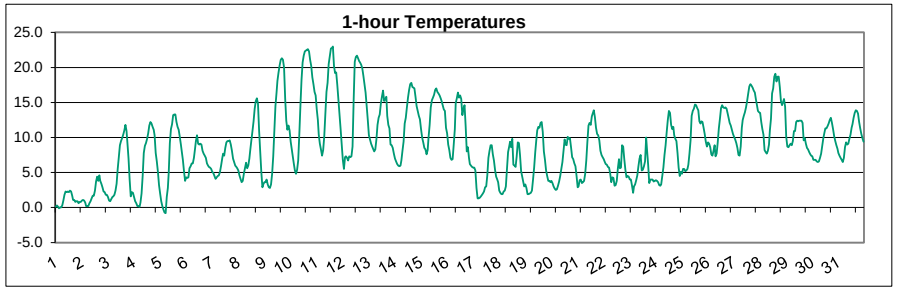
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	19.0	17.3	23.1	5.2	8.7	8.4	14.5	21.6	17.9	12.5	27.1	34.6	10.7	9.1	23.5	17.5	15.1	8.8	11.9	11.5	15.3	31.2	12.0	12.2	16.2	34.6
2	10.5	26.8	22.9	21.0	18.6	6.5	5.3	5.5	14.3	10.1	14.1	7.8	17.4	11.7	C	C	19.0	17.1	14.6	18.6	6.5	9.9	20.5	12.3	14.1	26.8
3	13.9	10.1	19.7	11.3	17.1	16.9	21.6	26.9	26.2	29.7	33.5	52.2	15.5	13.3	15.2	9.8	14.9	22.3	28.7	15.1	19.2	30.9	30.8	22.9	21.6	52.2
4	22.2	30.9	20.1	26.7	16.1	37.5	16.8	16.3	18.0	32.9	38.6	24.7	45.2	23.9	38.5	35.3	32.1	17.1	18.0	17.1	19.8	17.7	24.2	18.6	25.3	45.2
5	16.8	17.2	8.2	11.7	31.2	21.3	27.6	33.7	59.2	39.6	29.3	22.5	23.4	24.6	33.3	35.2	27.2	26.7	48.5	41.0	12.2	11.2	11.7	7.5	25.9	59.2
6	10.0	14.8	16.4	25.2	28.3	20.0	16.8	27.5	27.1	46.1	110.1	38.8	18.9	12.9	7.0	12.0	11.7	6.8	9.5	6.3	10.0	7.7	5.5	3.5	20.5	110.1
7	17.9	7.8	9.7	10.6	7.4	4.8	7.1	15.8	15.8	13.2	32.1	35.9	47.2	36.7	26.8	18.1	46.2	42.2	18.3	12.2	7.3	14.0	36.5	11.0	20.6	47.2
8	14.7	12.7	8.0	12.5	12.1	25.3	37.6	57.7	15.0	32.9	44.2	31.5	46.1	71.6	40.1	24.5	27.0	15.8	19.7	31.1	31.1	28.9	26.4	23.6	28.8	71.6
9	36.5	X	20.9	35.3	32.9	21.3	25.6	62.6	88.8	72.1	111.3	146.6	68.1	62.9	43.0	32.9	26.7	27.0	16.3	41.5	39.2	31.8	30.4	43.8	48.6	146.6
10	23.8	26.8	22.8	51.1	33.3	33.4	45.3	89.0	68.4	66.8	61.2	129.7	88.4	40.0	106.9	120.4	51.5	117.8	149.7	89.3	79.8	87.9	63.2	62.2	71.2	149.7
11	44.4	48.1	23.7	44.3	22.2	18.2	11.1	20.6	26.9	23.6	39.3	39.1	47.9	55.6	18.6	24.7	48.2	131.0	45.4	56.5	64.1	80.9	88.0	113.0	47.3	131.0
12	115.0	114.9	101.4	90.4	84.6	50.7	43.3	40.5	36.6	41.3	46.1	52.4	147.4	137.4	90.9	41.6	27.5	26.5	61.4	26.1	40.1	195.2	15.6	23.9	68.8	195.2
13	17.2	25.0	13.4	26.5	30.6	34.3	30.1	66.9	90.2	135.3	33.2	28.4	46.0	48.0	64.3	149.2	123.0	107.7	274.9	20.6	26.8	13.7	9.3	17.6	59.7	274.9
14	11.5	X	7.3	7.3	11.2	14.7	9.3	22.1	55.6	16.5	6.5	11.7	26.3	34.6	20.8	22.4	18.7	26.3	16.3	17.8	76.9	51.7	99.0	32.6	26.8	99.0
15	17.4	25.9	20.5	17.4	23.7	18.7	30.8	53.0	89.5	111.2	41.1	119.5	214.8	243.1	137.5	410.2	166.4	185.2	170.1	100.3	77.8	33.6	20.0	33.5	98.4	410.2
16	40.2	X	9.2	11.2	8.2	7.5	12.8	22.6	54.6	142.2	140.0	82.9	101.5	102.3	54.4	27.2	50.8	47.8	21.1	7.1	18.3	9.8	5.6	4.0	42.7	142.2
17	11.0	X	12.7	6.8	10.7	7.9	4.7	18.0	10.5	9.2	8.3	23.0	26.1	23.9	35.3	32.6	32.0	26.8	11.7	14.4	31.0	21.0	13.6	15.5	17.7	35.3
18	18.5	X	10.2	7.0	11.0	18.0	36.9	43.7	21.5	20.3	11.2	8.5	16.7	8.6	24.8	7.3	50.5	36.1	6.3	6.6	17.8	18.1	17.2	24.4	19.2	50.5
19	18.7	27.2	22.5	28.1	21.9	35.2	18.0	15.3	16.7	28.6	17.8	19.3	16.2	29.2	43.1	16.0	13.3	52.4	20.8	22.7	22.0	15.1	21.0	13.5	23.1	52.4
20	22.8	X	17.8	9.0	16.3	17.3	14.5	16.9	26.9	25.9	23.4	20.1	23.5	25.4	20.6	23.9	16.9	29.1	21.7	19.3	15.8	12.1	25.7	25.9	20.5	29.1
21	21.0	21.6	31.1	32.9	18.6	17.3	15.7	36.2	56.7	62.9	62.9	90.3	37.4	43.6	40.9	60.7	65.3	34.4	16.6	15.4	29.9	30.7	4.1	5.4	35.5	90.3
22	17.1	11.2	10.8	21.8	22.6	11.7	7.4	16.3	9.3	13.2	15.6	10.2	13.6	15.2	11.1	16.3	13.2	7.9	19.0	55.8	19.5	15.8	10.5	11.2	15.7	55.8
23	18.1	X	13.7	9.6	19.9	24.8	33.5	59.5	42.3	41.0	13.8	14.6	23.1	7.5	14.2	9.6	23.3	23.2	13.2	10.6	20.8	17.1	18.1	24.0	21.5	59.5
24	32.6	X	3.4	7.3	14.3	18.6	16.9	24.5	31.7	45.4	94.5	63.7	42.2	30.3	15.8	22.4	37.6	39.7	19.3	15.5	14.3	15.2	32.2	27.9	28.9	94.5
25	26.6	24.5	31.3	23.0	21.5	15.8	15.1	20.3	18.8	16.8	16.0	41.3	43.9	32.8	38.3	34.9	109.9	48.5	9.8	10.3	69.1	8.0	35.0	29.8	30.9	109.9
26	38.6	16.0	12.9	36.6	40.4	24.0	29.7	66.8	25.4	18.2	4.2	18.0	15.4	66.2	13.0	20.4	8.6	27.1	83.1	131.4	10.7	30.2	68.0	45.5	35.4	131.4
27	11.6	27.6	29.1	23.8	87.8	57.8	13.6	52.6	30.7	42.7	32.6	30.4	12.3	18.5	14.9	37.5	31.4	35.5	54.6	82.8	59.7	21.1	32.9	51.4	37.2	87.8
28	79.3	49.2	33.6	11.8	23.0	18.2	38.7	62.9	109.9	96.1	77.6	133.0	100.8	55.7	75.7	29.1	9.9	84.4	118.0	131.1	56.6	15.7	181.5	152.4	72.7	181.5
29	101.6	29.4	77.5	42.1	39.1	40.4	47.6	57.5	63.9	62.6	58.0	156.6	176.2	62.8	60.2	150.4	54.2	122.9	23.9	17.7	38.9	11.2	7.5	7.3	62.9	176.2
30	17.6	63.1	20.5	10.7	10.5	10.2	22.5	69.8	145.1	89.5	45.5	46.3	98.1	69.4	161.7	291.2	211.3	180.9	265.7	110.0	66.8	10.0	25.1	46.8	87.0	291.2
31	53.1	44.7	75.6	98.0	45.3	38.9	46.0	74.6	99.2	125.6	113.8	71.6	100.7	117.3	98.0	86.1	52.8	85.5	44.0	70.5	76.6	14.1	37.5	34.8	71.0	125.6
NO.	31	23	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	734	98.9%
MEAN	29.7	30.1	24.2	25.0	25.5	22.4	23.1	39.3	45.6	49.2	45.3	51.8	55.2	49.5	46.3	60.6	46.3	53.6	53.3	39.6	35.3	29.4	33.2	30.9		
MAX	115.0	114.9	101.4	98.0	87.8	57.8	47.6	89.0	145.1	142.2	140.0	156.6	214.8	243.1	161.7	410.2	211.3	185.2	274.9	131.4	79.8	195.2	181.5	152.4		



Number of 24HR Exceedences	0		
Number of Non-Zero Readings	734		
Maximum 1-HR Average	410.2	UG/M3	
Maximum 24-HR Average	98.4	UG/M3	
		Operational time	736 HRS
Monthly Calibration	2	Operational Uptime	98.9 %
Standard Deviation	41.2	Monthly Average	39.4 UG/M3

Lagoon Temperature (°C) – May 2024

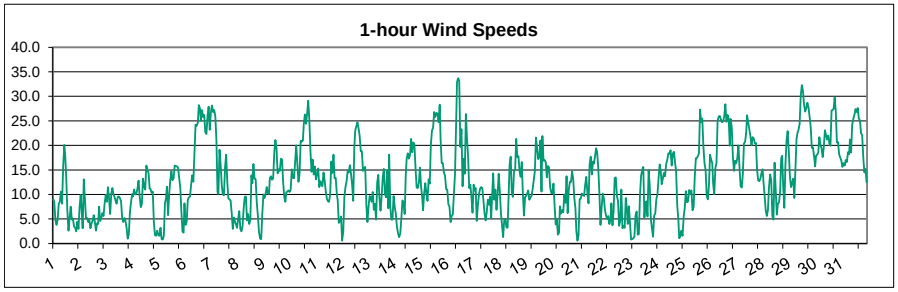
	HOUR																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	0.1	0.3	0.1	-0.1	0.0	0.0	0.3	1.0	1.8	2.3	2.2	2.3	2.2	2.4	2.3	1.7	1.1	1.1	0.8	0.9	0.9	0.6	0.8	0.8	1.1	2.4
2	1.0	1.1	1.0	0.7	0.2	0.2	0.2	0.6	0.9	1.3	1.7	1.7	2.4	3.7	4.4	3.8	4.6	3.8	3.4	2.9	2.3	2.2	1.8	1.8	2.0	4.6
3	1.5	1.0	0.9	1.2	1.5	1.6	1.8	2.4	3.4	5.5	7.2	8.9	9.5	9.9	10.4	11.0	11.8	10.9	9.2	7.0	4.0	1.6	2.2	2.1	5.3	11.8
4	1.5	0.9	0.6	0.2	0.2	0.1	0.7	2.0	4.5	7.8	8.8	9.2	9.8	10.6	11.7	12.2	12.0	11.5	11.1	10.3	7.8	6.6	5.1	3.2	6.2	12.2
5	2.0	0.9	0.2	-0.3	-0.7	-0.8	1.5	2.8	5.0	9.2	11.2	11.9	13.2	13.3	13.3	12.2	11.5	11.1	10.1	9.0	8.0	6.8	5.2	3.8	6.7	13.3
6	4.3	4.2	4.3	5.6	5.9	6.3	6.3	7.1	8.4	9.5	10.3	9.1	9.0	9.1	9.0	8.1	7.7	7.4	7.1	6.3	6.0	5.8	5.7	5.5	7.0	10.3
7	5.1	4.9	4.5	4.1	4.3	4.5	4.6	5.1	6.0	7.0	7.7	7.4	8.5	9.3	9.5	9.5	9.6	9.0	8.1	7.0	6.5	6.0	5.8	5.6	6.7	9.6
8	5.3	4.6	4.1	3.6	3.8	4.8	5.6	6.4	5.6	6.0	7.0	8.2	9.6	10.9	12.3	14.1	15.2	15.6	14.8	11.0	8.0	5.1	2.9	3.4	7.8	15.6
9	3.6	3.6	4.0	3.3	2.9	2.8	3.3	4.8	7.3	10.9	14.5	16.4	18.1	19.3	20.3	21.1	21.3	21.1	20.0	15.6	12.4	11.1	11.7	11.0	11.7	21.3
10	9.4	8.5	7.4	6.3	5.3	4.8	5.4	6.7	10.4	14.5	18.2	20.7	21.7	22.3	22.4	22.5	22.6	22.3	21.1	20.2	18.6	17.6	16.5	16.0	15.1	22.6
11	14.0	12.5	10.4	9.1	8.3	7.4	8.2	10.2	13.4	16.5	17.8	20.5	21.6	22.7	22.8	23.0	20.2	19.2	19.3	17.5	15.4	13.3	11.2	9.0	15.1	23.0
12	6.8	5.5	7.2	7.3	7.1	6.7	7.3	7.2	7.3	8.7	15.3	20.8	21.5	21.7	21.3	20.9	20.7	20.4	19.9	18.8	17.6	16.4	14.5	12.5	13.9	21.7
13	10.3	9.7	9.1	8.7	8.4	8.0	8.3	9.7	11.8	12.8	13.3	14.8	15.8	16.7	15.2	15.5	15.8	13.1	11.8	11.3	9.0	8.9	8.5	7.7	11.4	16.7
14	7.0	6.6	6.2	6.0	5.9	6.0	6.7	8.1	9.4	12.0	12.8	14.3	15.7	16.8	17.6	17.8	17.2	17.1	17.0	15.8	14.5	13.8	13.1	12.6	12.1	17.8
15	11.2	10.0	9.3	8.5	8.3	7.6	8.2	10.0	11.8	14.3	15.3	15.7	16.1	16.8	17.0	16.5	16.3	16.0	15.6	15.2	14.6	14.0	13.8	11.4	13.1	17.0
16	10.6	9.0	8.2	7.1	6.8	6.9	9.0	11.2	14.9	15.6	16.4	15.7	16.0	15.5	13.2	14.1	14.6	11.6	8.0	8.6	7.1	6.2	6.0	5.8	10.8	16.4
17	5.7	5.7	5.3	2.8	1.3	1.3	1.4	1.6	1.8	2.0	2.3	2.9	3.0	4.6	7.1	8.1	8.9	8.9	7.6	6.7	5.4	4.4	4.1	3.6	4.4	8.9
18	2.4	2.1	1.9	1.9	2.3	2.4	3.0	5.5	7.9	8.7	9.4	8.6	9.8	6.1	6.0	5.8	7.3	9.3	9.2	7.5	5.2	4.4	3.6	3.0	5.6	9.8
19	3.3	2.8	1.9	1.9	2.0	2.1	2.4	4.0	5.7	7.9	9.7	11.0	11.5	11.4	12.1	12.2	10.8	8.0	6.8	5.3	4.5	3.8	3.8	3.6	6.2	12.2
20	3.8	3.5	3.0	2.7	2.5	2.6	3.1	3.7	4.5	5.5	6.5	8.1	9.7	9.0	8.9	10.1	9.8	9.9	8.6	7.2	6.9	6.3	5.9	4.5	6.1	10.1
21	2.9	3.0	3.9	4.0	3.5	3.6	3.8	4.8	6.7	9.4	11.7	12.1	11.8	13.0	13.4	13.9	12.9	11.4	10.5	10.3	9.6	8.1	7.5	7.2	8.3	13.9
22	6.9	6.5	6.2	6.1	5.8	5.7	4.9	3.6	4.3	4.2	3.1	3.2	3.8	5.6	6.9	5.6	5.7	8.9	8.7	6.9	5.4	4.3	4.5	4.4	5.5	8.9
23	4.0	4.0	3.1	2.1	3.0	3.3	3.9	4.6	5.9	7.0	7.5	5.3	5.4	5.9	6.6	10.0	8.2	6.1	3.5	4.0	4.0	4.0	3.7	3.8	5.0	10.0
24	3.9	3.8	3.6	3.2	3.1	3.3	4.5	5.7	7.5	8.9	10.8	12.5	13.8	13.5	11.8	11.2	11.5	10.3	9.8	9.5	7.8	5.7	4.5	5.1	7.7	13.8
25	4.8	5.5	5.5	5.2	5.3	5.5	6.1	7.7	9.6	13.1	13.8	14.1	14.7	14.6	14.2	13.9	12.3	12.0	12.3	12.2	11.4	10.5	9.4	8.7	10.1	14.7
26	9.3	9.1	8.6	7.6	7.4	8.1	8.9	7.3	7.7	9.3	11.3	12.7	14.2	14.6	14.3	14.2	14.3	14.1	13.4	12.7	12.1	11.7	11.1	10.5	11.0	14.6
27	10.1	9.7	9.2	8.5	7.5	7.4	8.7	11.4	12.5	13.1	13.6	14.3	15.2	16.3	17.3	17.6	17.4	17.1	16.7	16.4	15.4	14.7	13.8	13.6	13.2	17.6
28	13.5	12.2	11.2	10.4	8.2	7.9	7.7	8.1	9.0	11.0	12.7	16.3	17.0	18.7	19.1	18.0	18.7	18.7	17.2	15.2	14.6	15.1	15.5	14.4	13.8	19.1
29	10.1	8.7	8.6	8.9	9.1	8.9	9.5	10.9	10.9	12.2	12.4	12.3	12.4	12.4	12.4	12.1	9.6	9.9	9.1	8.5	8.3	7.9	7.6	7.4	10.0	12.4
30	7.3	6.8	6.8	6.8	6.6	6.5	6.6	7.1	7.7	8.8	9.9	10.7	11.3	11.3	11.6	12.0	12.5	12.8	12.1	11.2	10.2	9.5	8.9	8.4	9.3	12.8
31	7.8	7.4	7.1	6.8	6.5	7.1	8.6	9.3	9.0	9.1	9.8	10.4	11.4	11.9	12.8	13.5	13.9	13.8	13.4	12.2	11.3	10.5	9.9	9.4	10.1	13.9
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744	100.0%
MEAN	6.1	5.6	5.3	4.8	4.6	4.6	5.2	6.1	7.5	9.2	10.5	11.4	12.1	12.6	12.8	13.0	12.8	12.3	11.5	10.4	9.2	8.3	7.7	7.1		
MAX	14.0	12.5	11.2	10.4	9.1	8.9	9.5	11.4	14.9	16.5	18.2	20.8	21.7	22.7	22.8	23.0	22.6	22.3	21.1	20.2	18.6	17.6	16.5	16.0		



Number of Non-Zero Readings	742		
Maximum 1-HR Average	23.0 C		
Maximum 24-HR Average	15.1 C		
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	5.176	Monthly Average	8.8 C

Lagoon Wind Speed (km/hr) – May 2024

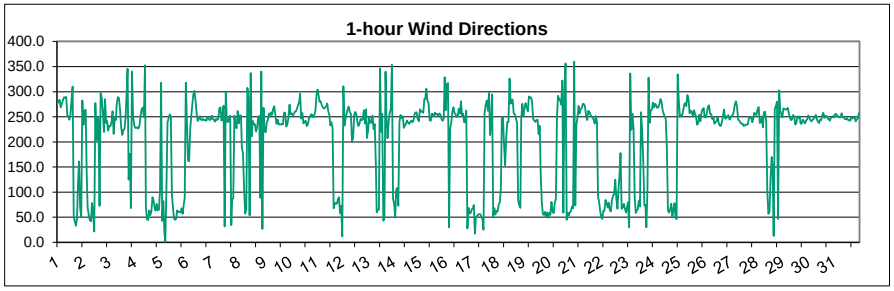
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	9.1	8.4	4.8	3.8	4.8	8.1	8.5	10.6	8.1	15.7	20.1	18.1	13.2	6.5	2.6	5.2	7.5	4.9	5.1	3.5	3.2	2.5	4.5	3.0	7.6	20.1
2	7.4	9.9	7.0	3.1	13.1	9.1	5.1	5.2	4.4	4.8	3.1	4.1	4.7	5.8	4.4	2.6	4.1	4.0	7.5	4.6	5.2	6.2	5.6	8.2	5.8	13.1
3	9.9	8.5	11.5	9.2	6.0	10.2	11.3	10.0	9.4	8.6	8.1	9.5	9.6	9.3	8.6	5.3	4.4	5.2	4.6	3.2	1.0	1.9	6.3	8.4	7.5	11.5
4	10.1	9.6	11.0	10.0	10.2	11.2	12.8	9.6	7.4	8.1	13.2	11.6	11.0	15.9	15.0	14.4	11.2	11.1	10.3	10.6	4.4	1.7	1.6	2.6	9.8	15.9
5	1.7	1.6	3.2	0.9	0.8	1.6	8.2	9.3	11.6	5.8	10.0	12.9	14.7	12.9	13.3	15.9	15.8	15.7	15.5	13.4	11.5	6.6	2.5	2.2	8.7	15.9
6	8.2	3.8	4.5	8.9	9.4	9.6	12.0	13.9	12.6	18.4	24.2	24.0	24.6	28.2	27.5	25.0	27.2	25.8	26.2	22.7	22.3	26.0	27.9	23.2	19.0	28.2
7	26.7	28.1	26.8	27.2	26.0	21.1	10.5	10.1	19.1	16.2	12.0	10.0	9.8	15.6	18.1	12.6	9.2	9.0	8.8	6.2	3.0	5.3	4.4	4.0	14.2	28.1
8	3.2	5.0	6.6	3.0	2.5	3.6	7.2	9.5	9.6	4.7	6.0	4.0	4.8	13.9	12.3	16.2	13.2	13.1	8.4	5.7	2.4	1.0	0.9	6.1	6.8	16.2
9	10.0	9.3	10.2	11.5	10.2	10.1	13.3	13.7	13.0	13.3	18.5	21.1	19.5	14.3	15.1	14.8	17.3	17.1	12.4	9.5	8.5	10.4	10.6	10.8	13.1	21.1
10	10.5	11.0	15.1	13.4	13.3	16.6	20.0	16.3	12.6	14.2	20.9	20.8	21.0	24.3	26.3	24.4	26.4	29.1	25.2	18.9	14.6	17.1	14.1	15.7	18.4	29.1
11	13.1	14.2	15.3	11.5	12.7	12.1	11.7	14.5	12.9	10.7	9.2	8.6	8.5	10.0	16.7	14.4	18.1	13.3	13.4	10.1	8.8	4.2	4.6	5.5	11.4	18.1
12	0.6	2.4	9.4	11.5	12.7	14.8	14.5	16.0	14.2	12.0	8.7	19.8	23.0	23.9	24.7	23.5	21.9	18.8	18.8	14.8	15.4	15.6	7.9	4.4	14.6	24.7
13	7.5	9.7	9.4	8.5	10.5	6.9	8.1	4.9	12.4	14.0	9.4	6.7	9.5	13.4	15.2	10.1	9.4	14.9	7.2	18.1	7.6	4.9	4.9	9.7	9.7	18.1
14	7.5	6.1	3.5	2.1	1.3	2.0	5.1	8.8	8.3	6.0	14.1	17.3	18.4	17.3	18.0	21.3	18.6	20.6	20.1	15.3	11.4	11.3	12.4	15.5	11.8	21.3
15	11.6	9.4	6.8	10.3	12.3	10.2	8.7	13.1	12.2	20.1	23.0	23.6	26.8	25.8	26.6	26.5	24.7	28.3	21.2	16.4	16.4	14.5	13.8	11.1	17.2	28.3
16	11.0	8.0	7.5	4.4	5.7	5.9	10.2	14.2	24.4	32.9	33.7	33.2	19.7	23.3	11.7	17.3	14.2	26.4	21.4	17.7	11.3	12.0	9.6	6.3	15.9	33.7
17	12.0	10.8	11.3	4.6	7.8	10.0	11.2	11.5	11.3	8.9	6.2	4.7	6.4	8.9	7.9	9.6	5.1	9.2	14.3	8.9	11.0	6.9	10.0	14.2	9.3	14.3
18	10.7	6.2	3.7	1.3	4.8	5.0	3.3	3.2	8.8	15.9	17.7	10.5	9.5	14.7	15.0	21.3	17.6	17.8	14.7	13.6	16.6	10.2	5.7	9.5	10.7	21.3
19	9.7	10.1	10.8	8.9	9.4	9.7	11.1	12.9	14.7	21.6	19.4	17.2	17.7	21.0	10.6	21.9	16.9	17.0	16.6	13.5	15.8	15.5	11.5	10.3	14.3	21.9
20	10.2	12.2	7.8	3.9	4.9	1.8	2.2	7.6	6.1	6.8	6.4	10.0	8.3	13.7	6.2	11.0	12.6	12.6	14.7	13.1	9.3	7.2	2.6	0.6	8.0	14.7
21	1.7	9.0	9.2	10.2	9.9	9.7	12.0	13.6	10.3	8.2	16.1	17.7	14.1	16.7	16.3	17.6	19.4	18.6	15.3	10.3	3.8	7.2	10.2	9.3	11.9	19.4
22	6.9	5.7	5.0	5.6	4.0	4.9	8.2	3.7	6.5	13.3	13.5	9.7	8.7	3.6	4.6	11.0	3.1	3.6	3.2	9.3	7.1	4.0	7.6	4.2	6.5	13.5
23	0.8	0.9	1.1	1.4	5.7	6.5	1.8	1.9	9.8	13.8	14.9	15.6	5.3	7.8	8.6	5.5	15.0	11.9	5.0	3.1	1.4	5.7	6.1	9.1	6.6	15.6
24	10.1	13.4	16.1	14.6	12.1	13.2	14.4	13.7	16.1	17.0	18.4	18.3	19.0	15.9	18.3	18.7	16.6	14.7	7.8	5.0	1.1	1.5	2.6	1.6	12.5	19.0
25	5.4	7.3	10.7	8.4	8.6	10.9	10.1	10.8	6.8	7.4	13.6	17.4	17.4	17.8	18.4	27.3	24.7	25.5	19.8	16.4	15.0	9.7	9.0	11.8	13.8	27.3
26	18.1	17.1	16.4	12.2	10.0	15.4	16.4	24.9	25.9	26.0	25.3	24.7	24.9	25.9	28.4	24.8	26.2	25.5	19.9	25.4	23.6	17.7	14.8	16.9	21.1	28.4
27	16.4	17.4	20.0	15.4	11.7	11.4	14.2	20.4	20.7	22.6	26.1	24.7	23.3	21.9	20.0	21.7	21.4	20.4	20.5	15.1	12.9	12.7	13.2	14.4	18.3	26.1
28	15.1	12.0	9.8	6.8	5.6	6.8	11.6	14.1	12.8	5.6	4.9	16.5	11.0	5.9	8.1	8.4	10.5	17.4	17.9	11.5	7.3	16.1	21.0	22.9	11.7	22.9
29	18.9	13.8	11.5	12.4	13.2	9.3	15.1	21.3	22.7	23.2	24.4	30.1	32.3	31.1	28.3	26.9	27.6	28.7	27.7	25.8	23.7	19.5	19.6	17.8	21.9	32.3
30	15.7	17.9	18.1	18.5	21.7	20.0	19.4	17.6	19.7	23.1	22.1	21.2	22.0	20.4	19.9	27.1	27.2	27.4	29.8	27.0	20.6	20.7	18.2	17.5	21.4	29.8
31	16.9	15.6	16.4	15.9	17.0	16.6	18.6	18.2	21.2	18.5	24.2	25.4	26.2	27.4	26.8	27.6	25.5	25.1	22.5	22.1	17.5	14.5	15.2	12.5	20.3	27.6
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744	100.0%
MEAN	10.2	10.1	10.3	9.0	9.6	9.8	10.9	12.1	13.1	14.1	15.7	16.4	15.6	16.6	15.9	17.1	16.5	17.2	15.3	13.3	10.8	10.0	9.6	10.0		
MAX	26.7	28.1	26.8	27.2	26.0	21.1	20.0	24.9	25.9	32.9	33.7	33.2	32.3	31.1	28.4	27.6	27.6	29.1	29.8	27.0	23.7	26.0	27.9	23.2		



Number of Non-Zero Readings	744		
Maximum 1-HR Average	33.7 KM/HR		
Maximum 24-HR Average	21.9 KM/HR		
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	7.1	Monthly Average	12.9 KM/HR

Lagoon Wind Direction (°) – May 2024

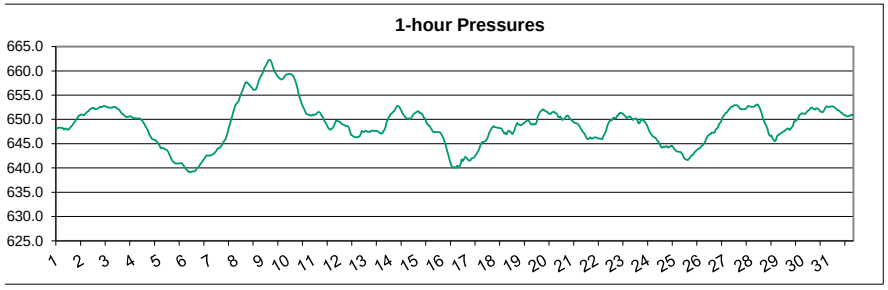
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	277.5	279.4	283.8	269.1	276.2	283.2	288.7	288.5	289.5	252.5	251.3	244.2	253.2	283.7	310.2	50.7	41.6	32.7	47.9	112.4	161.2	69.6	49.8	282.4	275.9	310.2
2	233.8	262.0	264.3	133.7	69.3	54.4	43.7	41.6	78.1	57.6	21.3	277.3	202.7	246.8	247.2	72.5	297.3	288.3	259.2	219.6	285.2	237.6	242.1	222.9	263.4	297.3
3	231.7	231.6	238.3	260.9	216.2	248.8	243.8	275.9	289.1	287.4	263.7	228.7	213.8	223.4	225.9	248.3	289.2	345.5	124.7	175.8	68.2	340.1	251.9	233.4	246.2	345.5
4	228.1	227.9	229.3	226.5	232.6	252.5	264.9	268.6	249.4	352.7	70.7	45.5	44.5	63.3	54.0	62.4	89.8	82.6	68.2	62.6	76.6	63.6	64.6	101.4	60.3	352.7
5	318.0	42.5	82.1	18.9	1.0	104.9	239.0	247.1	255.0	250.7	94.9	67.9	46.4	44.6	46.3	63.8	60.5	60.0	59.3	67.8	56.5	73.4	89.0	317.8	57.3	318.0
6	242.3	162.8	161.5	226.8	253.3	276.7	294.5	301.5	282.1	257.2	241.6	245.8	251.3	244.4	243.2	245.8	243.4	243.3	241.9	250.1	247.0	243.4	245.2	252.0	249.0	301.5
7	245.6	244.5	240.2	245.7	243.9	245.5	267.0	268.5	242.4	253.2	272.1	31.5	300.1	240.3	239.6	247.4	252.0	34.3	85.3	88.0	252.4	233.9	227.0	261.6	249.9	300.1
8	237.0	253.1	252.1	187.9	177.9	107.2	57.0	65.2	307.7	290.3	53.5	337.3	210.6	241.6	235.0	234.9	220.7	228.7	248.6	251.9	88.4	340.1	26.7	267.9	244.0	340.1
9	221.2	219.2	238.6	244.3	256.5	250.1	258.7	253.9	266.3	270.6	252.3	235.8	244.2	234.4	235.2	234.7	236.0	234.4	257.9	258.3	230.5	234.6	248.8	274.4	245.2	274.4
10	255.2	257.0	253.1	254.7	260.0	260.9	266.5	273.8	280.8	296.0	246.6	257.6	237.0	240.5	242.2	231.5	235.1	246.8	248.8	254.7	254.3	249.2	253.7	260.8	252.3	296.0
11	292.3	304.4	291.7	280.0	281.0	273.7	268.9	266.1	267.9	270.7	276.3	262.1	254.5	232.8	239.2	227.9	67.8	78.7	77.0	76.9	85.6	89.5	58.1	72.4	278.0	304.4
12	11.8	310.8	232.5	247.2	257.5	264.5	270.2	259.8	255.8	200.1	208.1	254.0	259.6	254.5	240.7	231.5	236.4	246.1	243.5	244.8	263.1	236.4	264.9	207.8	247.1	310.8
13	223.9	249.6	238.2	238.0	252.0	225.5	235.3	159.9	59.8	64.9	65.3	346.6	220.0	255.6	43.1	47.9	339.7	253.1	207.4	239.5	258.0	264.7	353.7	86.6	257.4	353.7
14	77.0	49.6	104.4	108.4	72.8	239.0	253.4	247.3	250.8	228.0	233.0	235.6	242.7	238.7	235.7	239.4	242.5	238.8	242.6	256.0	258.6	258.9	245.6	241.3	241.8	258.9
15	265.0	260.1	260.4	258.0	285.7	285.4	306.0	281.1	277.8	243.1	242.0	256.2	254.9	250.8	258.4	254.7	255.7	252.2	256.6	255.0	245.1	242.0	247.1	329.0	258.7	329.0
16	263.2	314.7	317.2	29.9	227.0	238.5	260.8	268.9	257.9	255.7	249.9	250.4	266.3	256.2	280.9	250.7	256.3	239.4	238.8	262.2	27.6	68.5	57.3	58.2	260.2	317.2
17	65.7	67.0	74.1	16.8	50.1	52.5	54.9	56.4	55.6	49.1	46.8	24.8	258.0	274.3	282.4	261.9	297.7	213.3	243.3	294.4	51.6	68.1	55.2	62.7	39.5	297.7
18	61.0	76.2	79.6	108.7	246.6	250.2	195.4	153.5	207.8	239.9	239.7	326.4	275.8	284.1	284.3	256.6	254.7	246.5	237.6	85.0	73.8	68.5	245.0	276.0	256.0	326.4
19	251.8	267.8	277.5	268.2	260.9	290.4	288.5	288.9	281.0	245.6	242.4	239.9	243.4	244.1	215.3	231.8	141.3	80.3	56.5	54.6	60.5	49.4	59.3	49.3	260.3	290.4
20	59.0	54.7	80.4	61.6	57.9	79.1	86.3	250.9	292.0	283.6	284.2	274.2	322.2	58.8	309.7	356.1	44.9	58.8	53.4	59.1	62.1	71.2	67.7	359.7	35.2	359.7
21	73.3	234.6	248.2	271.4	256.7	265.2	267.4	275.5	275.5	270.8	251.5	243.5	261.7	260.0	255.3	250.0	248.8	244.3	236.2	251.4	240.9	91.2	82.8	65.3	254.3	275.5
22	49.5	46.6	62.8	62.8	84.6	77.4	69.5	79.2	64.7	61.3	83.9	92.8	95.8	125.0	87.3	66.9	99.9	131.1	177.9	66.9	69.4	76.5	66.7	59.5	75.7	177.9
23	71.3	79.4	29.9	336.3	223.9	256.3	227.1	91.7	58.4	62.9	65.6	83.0	71.4	259.4	222.0	161.1	73.2	74.8	29.9	105.3	327.9	238.3	262.9	264.4	76.0	336.3
24	278.4	268.5	276.0	273.2	267.7	268.9	275.3	285.4	280.1	262.3	255.3	250.0	245.6	186.7	63.5	58.9	65.5	76.7	49.8	66.4	77.8	49.8	46.2	334.7	276.5	334.7
25	283.3	250.2	252.5	253.0	262.8	275.2	277.3	271.1	293.0	286.0	257.2	262.3	260.2	250.3	263.3	256.7	251.0	234.1	237.0	254.0	241.0	258.6	265.7	267.3	257.0	293.0
26	249.7	248.8	257.1	269.9	272.7	255.9	255.5	245.6	250.1	236.4	239.3	240.8	249.2	237.9	231.9	231.9	240.4	252.9	264.4	246.3	246.5	251.5	253.1	244.2	246.8	272.7
27	248.4	251.3	254.4	260.8	274.1	280.9	270.2	244.2	242.4	238.7	236.1	236.4	232.0	232.2	234.7	234.1	235.6	248.0	248.4	250.0	239.2	245.1	257.9	255.8	245.5	280.9
28	253.6	264.5	269.6	237.9	238.9	250.7	229.0	259.1	260.1	242.2	104.8	56.7	60.7	128.3	170.0	150.6	12.7	265.8	271.5	279.8	46.7	302.9	260.9	255.6	262.8	302.9
29	248.5	266.9	265.5	264.7	264.6	267.7	256.2	248.3	243.3	244.9	253.4	250.6	234.8	238.0	250.7	247.4	250.7	236.2	236.3	244.2	240.7	236.6	242.0	245.2	246.7	267.7
30	252.6	247.8	244.1	240.6	243.7	246.0	248.8	253.5	244.8	239.7	237.5	244.2	242.8	252.8	258.0	247.7	251.6	251.4	246.0	245.8	242.3	248.0	249.1	251.5	247.0	258.0
31	248.6	255.9	255.2	251.6	250.0	248.8	248.5	256.9	248.5	249.7	245.2	245.3	247.2	242.9	243.6	241.9	250.0	246.4	249.1	248.5	240.6	245.6	247.1	256.9	247.9	256.9
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744	100.0%
MEAN	203.8	211.3	213.4	206.7	213.5	225.0	228.0	226.7	232.5	227.2	196.3	214.4	219.4	220.2	217.7	199.9	196.2	192.4	185.3	188.0	171.6	185.4	180.2	216.7		
MAX	318.0	314.7	317.2	336.3	285.7	290.4	306.0	301.5	307.7	352.7	284.2	346.6	322.2	284.1	310.2	356.1	339.7	345.5	271.5	294.4	327.9	340.1	353.7	359.7		



Number of Non-Zero Readings	744		
Maximum 1-HR Average	360 degrees		
Maximum 24-HR Average	278 degrees		
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	85.49	Monthly Average	207.2 degrees

Lagoon Pressure (mmHg) – May 2024

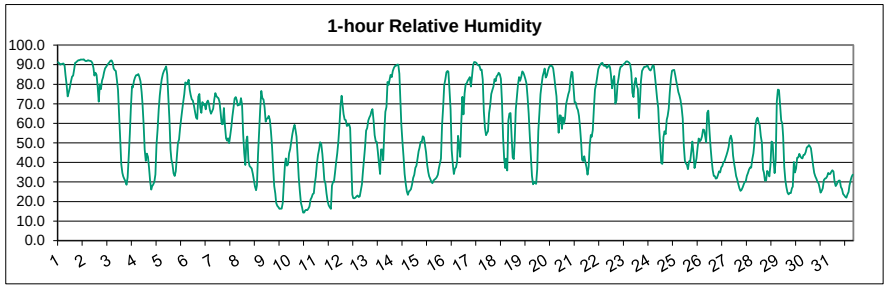
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	648.2	648.1	648.3	648.3	648.3	648.2	648.2	647.9	648.1	648.1	647.9	647.9	648.1	648.3	648.6	648.8	649.2	649.5	649.9	650.2	650.4	650.8	650.9	651.0	648.9	651.0
2	651.0	650.9	650.9	651.2	651.4	651.6	651.7	652.0	652.2	652.3	652.4	652.3	652.1	652.1	652.2	652.3	652.5	652.6	652.5	652.6	652.8	652.8	652.7	652.5	652.1	652.8
3	652.5	652.4	652.4	652.4	652.4	652.6	652.6	652.5	652.4	652.2	652.1	651.9	651.5	651.2	651.1	650.9	650.7	650.5	650.5	650.5	650.6	650.7	650.5	650.4	651.6	652.6
4	650.3	650.3	650.2	650.2	650.2	650.2	650.2	649.9	649.8	649.4	649.1	648.6	648.3	647.9	647.3	646.7	646.4	646.0	645.9	645.8	645.8	645.6	645.3	645.1	648.1	650.3
5	644.7	644.2	644.0	644.1	644.1	643.9	643.8	643.7	643.4	643.0	642.4	642.0	641.6	641.3	641.1	640.9	640.9	640.9	640.9	640.9	641.0	641.0	640.7	640.4	642.3	644.7
6	640.0	639.7	639.5	639.2	639.3	639.1	639.2	639.3	639.3	639.3	639.5	640.0	640.1	640.3	640.7	641.0	641.3	641.6	641.9	642.3	642.6	642.6	642.5	642.6	640.5	642.6
7	642.6	642.7	642.8	643.0	643.2	643.5	643.9	644.1	644.1	644.3	644.6	645.0	645.4	645.7	646.1	646.8	647.5	648.4	649.1	649.9	650.7	651.5	652.3	653.0	646.3	653.0
8	653.3	653.4	653.8	654.5	655.1	655.7	656.2	656.9	657.4	657.7	657.6	657.4	657.1	656.9	656.6	656.3	656.1	656.1	656.2	656.6	657.3	658.1	658.6	659.0	656.4	659.0
9	659.4	660.0	660.6	661.0	661.3	661.8	662.2	662.3	662.1	661.5	660.7	660.1	659.7	659.4	659.0	658.7	658.5	658.3	658.2	658.3	658.6	658.9	659.1	659.3	660.0	662.3
10	659.3	659.4	659.4	659.3	659.1	658.9	658.5	657.9	657.2	656.3	655.2	654.4	653.8	653.1	652.6	652.2	651.7	651.2	651.0	651.0	650.9	650.8	650.8	651.0	654.8	659.4
11	650.9	651.0	651.0	651.3	651.5	651.5	651.4	650.9	650.6	650.3	649.7	649.4	649.0	648.5	648.1	647.9	648.0	648.1	648.3	648.7	649.3	649.8	649.7	649.6	649.8	651.5
12	649.5	649.4	649.1	649.0	648.9	648.8	648.6	648.6	648.6	648.1	647.4	646.8	646.7	646.5	646.4	646.3	646.3	646.4	646.4	646.6	647.1	647.6	647.5	647.4	647.7	649.5
13	647.6	647.6	647.5	647.5	647.4	647.5	647.7	647.7	647.6	647.6	647.6	647.6	647.5	647.3	647.2	647.1	647.1	647.6	647.8	648.5	649.5	649.9	650.5	650.7	648.0	650.7
14	651.1	651.3	651.5	651.7	652.1	652.5	652.8	652.8	652.6	652.1	651.7	651.2	650.9	650.6	650.3	650.1	650.2	650.2	650.0	650.3	650.7	651.0	651.2	651.4	651.3	652.8
15	651.6	651.6	651.7	651.3	651.3	651.2	650.7	650.3	650.1	649.4	649.1	648.8	648.7	648.3	648.0	647.5	647.4	647.4	647.4	647.4	647.4	647.4	647.3	647.0	649.1	651.7
16	646.6	646.1	645.4	644.8	644.0	643.2	642.4	641.5	640.8	640.2	640.0	640.2	640.1	640.0	640.5	640.2	640.2	640.8	641.8	641.4	641.8	642.2	642.3	641.9	642.0	646.6
17	641.7	641.5	641.5	641.9	642.0	642.1	642.3	642.6	642.9	643.3	643.7	644.3	645.0	645.3	645.4	645.4	645.5	645.7	646.1	646.7	647.4	647.8	648.2	648.5	644.5	648.5
18	648.6	648.4	648.4	648.3	648.3	648.2	648.2	648.1	647.8	647.4	647.1	647.2	646.9	647.5	647.7	647.5	647.4	647.0	647.1	647.6	648.3	648.9	649.3	649.0	647.9	649.3
19	648.9	648.8	648.9	649.0	649.2	649.4	649.6	649.8	649.8	649.6	649.2	649.0	648.9	649.1	649.0	649.0	649.5	650.6	651.1	651.5	651.7	651.9	652.1	651.9	649.9	652.1
20	651.8	651.6	651.5	651.2	651.2	651.1	651.4	651.5	651.6	651.4	651.3	651.1	650.5	650.4	650.6	650.3	649.9	650.0	650.1	650.5	650.8	650.8	650.5	650.1	650.9	651.8
21	650.0	649.7	649.6	649.3	649.3	649.2	649.1	648.9	648.6	648.2	647.8	647.5	647.2	646.9	646.4	646.0	645.9	646.1	646.3	646.1	646.0	646.2	646.3	646.3	647.6	650.0
22	646.2	646.1	646.1	646.1	646.0	645.9	646.4	646.9	647.3	647.9	648.7	649.2	649.6	649.9	649.8	650.2	650.4	650.2	650.2	650.7	650.9	651.2	651.4	651.3	648.7	651.4
23	651.2	651.0	650.8	650.5	650.3	650.4	650.6	650.6	650.4	650.1	649.9	650.1	650.1	650.2	649.8	649.2	649.2	649.8	650.1	649.8	649.7	649.5	649.1	648.8	650.1	651.2
24	648.2	647.6	647.2	646.9	646.6	646.4	646.3	646.2	645.8	645.6	645.2	644.8	644.3	644.2	644.3	644.4	644.3	644.5	644.4	644.2	644.4	644.5	644.6	644.4	645.4	648.2
25	644.0	643.8	643.5	643.4	643.3	643.3	643.3	643.1	642.8	642.3	641.9	641.8	641.7	641.6	641.9	642.1	642.6	642.6	642.8	643.1	643.4	643.6	643.8	644.0	642.9	644.0
26	644.0	644.3	644.6	644.7	645.0	645.3	645.9	646.4	646.7	646.9	646.9	647.2	647.3	647.2	647.3	647.9	648.1	648.3	649.0	649.3	649.5	650.2	650.6	650.9	647.2	650.9
27	651.3	651.4	651.6	652.0	652.2	652.5	652.6	652.7	652.9	652.9	652.9	652.9	652.7	652.4	652.1	652.1	652.1	652.1	652.1	652.2	652.4	652.8	652.7	652.7	652.3	652.9
28	652.6	652.6	652.6	652.6	652.9	653.0	653.1	652.8	652.4	651.9	651.2	650.3	649.7	649.1	648.7	648.2	647.5	646.8	646.6	646.7	646.1	645.8	645.5	645.7	649.8	653.1
29	646.5	646.7	646.9	647.0	647.2	647.3	647.5	647.6	647.8	648.0	648.1	648.1	647.8	648.1	648.4	648.6	649.6	649.6	649.8	650.0	650.2	650.9	651.0	651.2	648.5	651.2
30	651.3	651.2	651.1	651.3	651.5	651.8	651.9	652.2	652.4	652.4	652.2	652.1	652.0	652.3	652.3	652.1	651.8	651.6	651.5	651.5	651.9	652.3	652.6	652.7	651.9	652.7
31	652.6	652.6	652.6	652.7	652.7	652.6	652.5	652.3	652.1	651.9	651.9	651.6	651.4	651.3	651.0	650.9	650.9	650.7	650.6	650.7	650.8	650.9	651.0	650.8	651.6	652.7
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744	100.0%
MEAN	649.3	649.2	649.2	649.2	649.3	649.3	649.4	649.4	649.3	649.1	648.9	648.7	648.6	648.5	648.4	648.3	648.3	648.4	648.6	648.8	649.0	649.3	649.4	649.4		
MAX	659.4	660.0	660.6	661.0	661.3	661.8	662.2	662.3	662.1	661.5	660.7	660.1	659.7	659.4	659.0	658.7	658.5	658.3	658.2	658.3	658.6	658.9	659.1	659.3		



Number of Non-Zero Readings	744		
Maximum 1-HR Average	662	MMHg	
Maximum 24-HR Average	660	MMHg	
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	4.379	Monthly Average	649.0 MMHg

Lagoon Relative Humidity (%) – May 2024

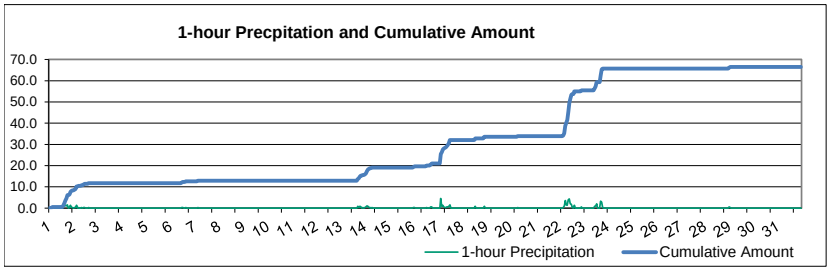
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	91.3	90.7	90.0	90.3	90.5	90.6	89.5	84.8	79.9	73.8	75.9	78.4	81.4	83.9	84.4	87.8	91.0	91.3	91.8	92.3	92.3	92.6	92.6	92.6	87.5	92.6
2	92.7	92.2	91.8	92.0	92.3	92.1	92.0	91.7	90.8	88.3	84.4	85.9	84.8	79.0	71.1	79.9	77.5	81.9	83.7	86.0	88.1	88.9	89.8	90.6	87.0	92.7
3	91.3	92.1	92.2	90.9	88.1	87.3	86.8	82.2	77.1	64.6	52.1	39.1	34.6	32.9	31.5	30.4	28.6	32.4	42.9	54.4	68.3	78.9	78.4	81.8	64.1	92.2
4	83.5	84.7	84.7	85.2	83.6	81.4	76.0	70.1	59.8	46.5	40.8	44.5	42.8	37.1	30.3	26.1	27.8	28.7	30.1	33.9	49.1	56.9	66.9	74.4	56.0	85.2
5	79.5	82.6	85.2	86.8	87.9	89.1	85.0	73.5	62.2	46.6	41.5	39.0	34.4	33.1	35.4	43.0	50.0	51.7	57.9	61.7	66.4	70.9	74.9	81.0	63.3	89.1
6	79.8	80.7	82.3	77.0	74.6	72.3	71.7	69.2	65.9	62.9	62.2	73.7	75.0	68.1	65.4	70.9	69.4	70.0	67.2	70.8	71.7	69.8	66.8	64.9	70.9	82.3
7	66.2	67.5	72.2	75.5	73.9	73.2	72.9	71.0	65.5	59.7	59.5	67.8	58.5	52.3	51.1	52.4	49.9	53.8	58.2	63.7	68.1	72.7	73.5	71.8	64.6	75.5
8	69.1	70.0	69.4	72.9	69.6	54.7	44.8	38.7	51.5	53.3	41.3	38.2	37.6	36.9	34.3	31.0	27.7	25.8	28.2	44.1	55.6	67.6	76.6	72.8	50.5	76.6
9	72.2	68.2	60.9	62.4	62.6	63.8	61.8	55.9	48.2	37.2	27.9	24.1	19.3	17.8	17.2	16.2	16.4	16.4	19.3	29.3	38.9	42.0	38.3	38.9	39.8	72.2
10	44.6	46.9	50.7	54.5	57.4	59.2	56.9	53.1	43.2	32.4	25.5	19.4	17.1	14.3	14.4	15.4	15.8	15.6	16.4	17.5	21.0	22.1	23.8	24.2	31.7	59.2
11	28.8	32.7	39.1	43.7	46.6	50.4	49.4	44.4	37.5	31.0	29.3	24.1	20.2	18.1	17.0	16.3	28.1	30.2	30.1	34.9	40.1	44.6	50.6	58.8	35.3	58.8
12	69.0	74.1	69.0	64.7	61.9	61.7	58.6	59.0	59.6	57.6	40.3	23.5	21.7	21.6	22.0	22.6	23.1	22.3	22.7	25.8	28.9	34.6	41.2	47.6	43.0	74.1
13	56.3	57.6	61.4	63.0	64.1	66.0	67.3	61.6	53.9	50.8	50.5	45.0	39.1	34.1	46.7	46.7	41.1	55.3	65.9	68.4	81.2	79.7	82.8	84.8	59.3	84.8
14	83.6	86.8	88.4	89.4	89.5	90.0	90.1	85.3	73.6	59.3	50.7	42.9	34.1	29.2	25.2	23.4	25.2	25.6	26.3	28.7	32.1	33.6	37.2	38.4	53.7	90.1
15	41.9	45.8	47.4	50.5	50.4	53.4	52.8	49.0	45.1	38.9	35.1	33.0	31.6	30.2	29.4	30.7	31.3	31.7	32.5	33.7	36.7	39.3	41.9	58.8	40.5	58.8
16	68.2	79.5	82.4	86.1	86.8	86.5	77.4	67.3	46.4	39.4	34.1	36.8	37.6	40.5	53.6	48.8	42.8	60.6	73.6	64.6	75.3	80.1	80.5	81.7	63.8	86.8
17	82.7	83.7	78.8	84.1	89.8	91.4	91.3	91.0	90.0	89.7	89.5	87.4	87.5	82.4	66.3	57.7	53.9	55.0	56.0	65.1	69.2	75.0	77.0	78.8	78.1	91.4
18	82.7	81.5	84.0	84.7	85.9	85.1	82.8	70.9	52.9	41.7	37.1	41.9	35.9	61.3	65.0	65.3	53.0	42.5	41.7	50.8	66.9	73.4	79.7	83.6	64.6	85.9
19	81.7	83.9	86.6	85.8	84.5	82.6	80.3	73.3	64.9	53.7	43.1	33.2	28.8	30.2	29.5	29.0	36.6	56.1	65.3	74.9	79.8	84.1	85.8	88.0	64.2	88.0
20	83.4	84.4	86.9	88.7	89.5	89.5	89.2	88.0	83.6	78.5	73.9	63.5	55.2	64.1	63.9	57.2	63.0	59.8	62.5	69.8	72.3	74.9	76.7	82.5	75.0	89.5
21	86.4	86.1	78.3	70.6	70.7	68.1	66.8	63.7	57.5	49.8	41.4	40.7	43.2	40.2	37.7	33.7	37.8	48.7	54.1	53.2	56.5	67.6	77.3	80.0	58.8	86.4
22	83.7	87.7	89.2	90.2	90.7	91.0	89.6	89.4	89.6	88.4	88.9	89.9	88.5	84.8	77.9	81.8	84.2	70.1	71.7	79.7	83.2	87.2	88.9	89.2	85.6	91.0
23	89.8	90.4	90.8	91.6	91.7	91.4	90.9	90.1	86.0	75.7	73.5	80.5	83.2	79.4	77.6	62.7	69.9	81.4	86.8	87.9	88.9	88.9	89.2	89.6	84.5	91.7
24	88.3	87.5	87.0	88.1	89.7	89.4	84.2	78.5	72.6	67.9	58.0	49.1	39.7	39.2	53.0	55.9	54.5	61.9	63.7	67.5	76.0	82.8	86.9	87.2	71.2	89.7
25	87.4	84.5	81.3	79.2	76.0	74.2	71.9	68.1	62.5	48.7	40.8	39.4	38.9	36.5	40.6	40.5	45.3	50.7	44.7	37.1	39.8	42.2	47.6	52.3	55.4	87.4
26	50.8	51.5	53.3	56.9	56.6	53.1	50.4	65.4	66.5	56.6	48.2	41.5	36.1	33.1	33.0	31.7	31.9	33.5	35.4	34.9	37.5	38.1	40.1	40.6	44.9	66.5
27	42.0	43.7	45.6	48.0	52.1	53.7	51.5	43.6	39.3	36.8	33.1	31.3	28.9	26.8	25.5	26.0	27.2	28.8	29.9	30.3	33.1	34.5	36.3	37.4	36.9	53.7
28	37.3	41.7	44.6	49.2	58.8	61.8	62.9	60.5	59.1	53.4	50.0	36.4	34.9	30.6	30.7	35.7	34.9	32.9	38.8	50.7	50.1	41.4	34.5	41.5	44.7	62.9
29	71.1	77.3	77.0	69.5	61.5	60.0	53.3	37.8	30.9	27.2	24.5	23.7	24.4	24.3	26.8	27.6	40.3	34.9	36.9	42.4	42.5	44.4	43.1	42.3	43.5	77.3
30	42.1	43.8	43.9	45.3	47.7	48.1	48.9	48.1	47.2	42.9	38.3	34.6	32.8	31.6	30.1	29.3	26.8	24.5	25.4	26.8	30.9	31.7	32.0	32.8	36.9	48.9
31	34.7	34.1	34.1	35.2	36.0	35.3	30.2	27.9	28.8	30.2	30.7	30.7	27.5	26.4	23.9	23.2	22.4	22.0	23.6	24.9	28.1	30.7	32.6	33.7	29.5	36.0
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744	100.0%
MEAN	69.7	71.4	71.9	72.6	72.9	72.5	70.2	66.2	61.0	54.3	49.1	46.4	43.7	42.6	42.3	41.9	42.8	45.0	47.8	51.8	57.1	60.4	62.7	65.2		
MAX	92.7	92.2	92.2	92.0	92.3	92.1	92.0	91.7	90.8	89.7	89.5	89.9	88.5	84.8	84.4	87.8	91.0	91.3	91.8	92.3	92.3	92.6	92.6	92.6		



Number of Non-Zero Readings	744		
Maximum 1-HR Average	92.7 %		
Maximum 24-HR Average	87.5 %		
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	22.56	Monthly Average	57.6 %

Lagoon Precipitation (mm) – May 2024

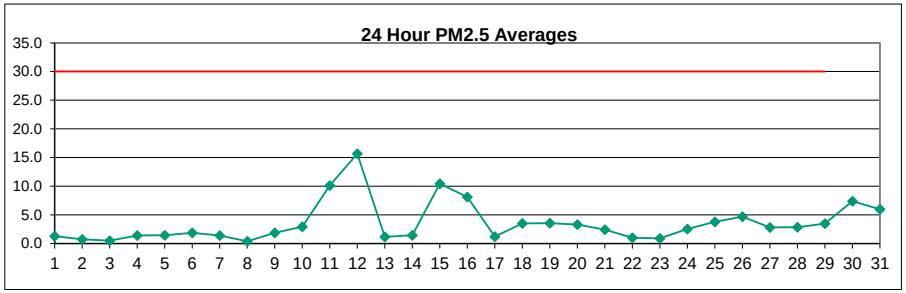
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY MAX	24-HOUR TOTAL
1	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	1.3	1.0	1.5	0.0	0.3	1.3	0.3	0.3	1.5	8.3
2	0.0	0.3	0.3	1.3	0.0	0.3	0.0	0.0	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.4
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	0.3	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9
7	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	0.3	0.3
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	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.3	0.8	0.5	0.0	0.3	0.0	0.8	2.7
14	0.3	0.5	1.0	0.8	0.3	0.3	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	1.0	3.5
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.9
17	0.0	0.0	0.0	4.5	0.8	1.3	0.5	0.3	0.3	0.5	0.5	0.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	11.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6
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	0.3	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	0.3	0.3
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	0.3	1.0	3.5	1.5	1.3	3.8	4.3	2.0	1.8	0.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	4.3	21.6
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	2.0	0.0	0.0	0.0	3.3	2.8	0.3	0.0	0.0	0.0	0.0	3.3	10.2
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744	100%
MEAN	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.2	0.2	0.0	0.0	0.0	0.1	0.0		
MAX	0.5	0.5	1.0	4.5	0.8	1.3	3.5	1.5	1.3	3.8	4.3	2.0	1.8	2.0	0.8	1.3	1.3	3.3	2.8	0.8	0.5	1.3	0.8	0.3		



Number of Non-Zero Readings	72		
Maximum 1-HR Average	21.6 MM		
Maximum 24-HR Average	4.5 MM		
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	0.406	Monthly Average	0.09 MM

Windridge $PM_{2.5}$ (µg/m^3) – May 2024

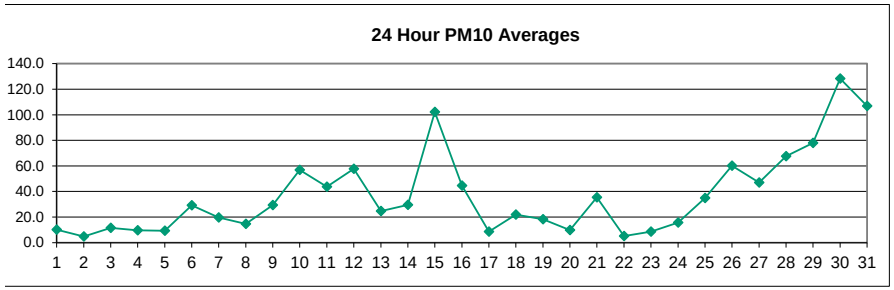
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.0	2.0	0.0	1.0	3.0	2.0	0.0	4.0	3.0	2.0	3.0	1.0	1.0	1.3	5.0
2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	3.0	3.0	2.0	2.0	0.0	1.0	2.0	0.7	3.0
3	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	C	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	2.0	1.0	0.5	2.0
4	0.0	1.0	6.0	6.0	1.0	0.0	0.0	0.0	0.0	5.0	3.0	0.0	0.0	1.0	2.0	0.0	0.0	2.0	3.0	0.0	1.0	2.0	0.0	0.0	1.4	6.0
5	3.0	2.0	0.0	0.0	0.0	1.0	3.0	3.0	4.0	3.0	1.0	2.0	3.0	0.0	2.0	2.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	1.4	4.0
6	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	4.0	3.0	5.0	4.0	2.0	3.0	3.0	2.0	5.0	6.0	4.0	0.0	0.0	0.0	0.0	0.0	1.9	6.0
7	6.0	6.0	2.0	0.0	4.0	2.0	0.0	0.0	3.0	1.0	0.0	0.0	0.0	1.0	4.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	6.0
8	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.0
9	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	5.0	X	12.0	7.0	5.0	3.0	2.0	3.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	12.0
10	0.0	0.0	0.0	0.0	3.0	3.0	1.0	0.0	0.0	0.0	8.0	6.0	4.0	7.0	8.0	6.0	3.0	5.0	4.0	2.0	4.0	4.0	2.0	0.0	2.9	8.0
11	0.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	9.0	6.0	9.0	13.0	7.0	8.0	18.0	41.0	53.0	72.0	10.1	72.0
12	80.0	66.0	39.0	32.0	19.0	13.0	10.0	9.0	6.0	8.0	8.0	5.0	1.0	6.0	9.0	9.0	8.0	13.0	11.0	6.0	3.0	7.0	5.0	3.0	15.7	80.0
13	2.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	5.0	1.0	0.0	0.0	1.0	0.0	3.0	2.0	0.0	3.0	2.0	0.0	1.0	0.0	0.0	0.0	1.2	8.0
14	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	6.0	9.0	5.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	1.4	9.0
15	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	14.0	9.0	18.0	13.0	19.0	11.0	9.0	28.0	23.0	9.0	26.0	20.0	20.0	12.0	10.4	28.0
16	7.0	1.0	0.0	0.0	6.0	3.0	0.0	0.0	5.0	14.0	30.0	32.0	15.0	19.0	8.0	17.0	11.0	9.0	6.0	4.0	3.0	4.0	1.0	0.0	8.1	32.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	2.0	4.0	3.0	2.0	1.0	0.0	2.0	1.0	0.0	3.0	4.0	1.0	0.0	0.0	0.0	1.2	4.0
18	2.0	0.0	0.0	0.0	0.0	0.0	4.0	5.0	4.0	6.0	3.0	0.0	0.0	6.0	4.0	4.0	6.0	16.0	8.0	7.0	4.0	2.0	2.0	1.0	3.5	16.0
19	2.0	2.0	2.0	0.0	0.0	1.0	0.0	1.0	2.0	15.0	2.0	5.0	3.0	3.0	5.0	4.0	3.0	3.0	5.0	7.0	7.0	4.0	3.0	6.0	3.5	15.0
20	5.0	3.0	3.0	6.0	3.0	3.0	5.0	6.0	9.0	7.0	4.0	2.0	2.0	7.0	5.0	1.0	2.0	3.0	0.0	0.0	0.0	1.0	1.0	1.0	3.3	9.0
21	2.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	3.0	3.0	3.0	4.0	3.0	3.0	1.0	4.0	6.0	13.0	7.0	2.0	1.0	0.0	0.0	0.0	2.4	13.0
22	1.0	3.0	2.0	4.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	3.0	1.0	0.0	0.0	0.0	1.0	4.0
23	0.0	1.0	0.0	0.0	0.0	1.0	4.0	8.0	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	8.0
24	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	3.0	5.0	9.0	9.0	10.0	5.0	4.0	3.0	2.0	0.0	0.0	0.0	0.0	2.0	3.0	3.0	2.5	10.0
25	1.0	1.0	2.0	2.0	3.0	2.0	0.0	0.0	0.0	0.0	4.0	6.0	5.0	7.0	7.0	9.0	6.0	3.0	13.0	8.0	6.0	5.0	1.0	0.0	3.8	13.0
26	4.0	7.0	4.0	0.0	0.0	2.0	5.0	13.0	8.0	5.0	3.0	7.0	7.0	4.0	0.0	0.0	2.0	7.0	6.0	13.0	9.0	5.0	0.0	1.0	4.7	13.0
27	3.0	2.0	1.0	0.0	0.0	0.0	0.0	7.0	9.0	6.0	3.0	0.0	0.0	0.0	2.0	6.0	4.0	3.0	3.0	2.0	9.0	5.0	1.0	1.0	2.8	9.0
28	1.0	2.0	2.0	0.0	0.0	0.0	0.0	3.0	3.0	1.0	5.0	5.0	3.0	1.0	0.0	2.0	5.0	5.0	3.0	2.0	0.0	9.0	9.0	7.0	2.8	9.0
29	5.0	3.0	0.0	0.0	0.0	0.0	1.0	1.0	3.0	6.0	6.0	7.0	4.0	3.0	5.0	4.0	3.0	1.0	0.0	2.0	7.0	7.0	8.0	7.0	3.5	8.0
30	5.0	5.0	6.0	9.0	8.0	9.0	7.0	3.0	4.0	4.0	6.0	8.0	12.0	9.0	11.0	9.0	7.0	12.0	13.0	8.0	7.0	6.0	6.0	3.0	7.4	13.0
31	3.0	2.0	5.0	7.0	6.0	9.0	10.0	5.0	8.0	6.0	7.0	8.0	8.0	10.0	7.0	4.0	5.0	4.0	5.0	5.0	6.0	4.0	4.0	5.0	6.0	10.0
NO.	31	31	31	31	31	31	31	31	31	29	31	31	31	31	31	31	31	31	31	31	31	31	31	31	742	99.9%
MEAN	4.3	3.6	2.5	2.2	1.9	1.8	1.7	2.6	3.2	4.2	4.7	4.4	3.6	3.7	4.1	4.0	3.5	5.2	4.5	3.2	3.9	4.3	4.0	4.1	7.5	
MAX	80.0	66.0	39.0	32.0	19.0	13.0	10.0	13.0	9.0	18.0	30.0	32.0	18.0	19.0	19.0	17.0	11.0	28.0	23.0	13.0	26.0	41.0	53.0	72.0	17.4	70.0



Number of 24HR Exceedences	0	Proposed Guideline	
Number of Non-Zero Readings	466		
Maximum 1-HR Average	80.0	UG/M3	
Maximum 24-HR Average	15.7	UG/M3	
		Operational Time	743 HRS
Monthly Calibration	1	Operational Uptime	99.9 %
Standard Deviation	6.7	Monthly Average	3.5 UG/M3

Windridge PM_{10} (µg/m^3) – May 2024

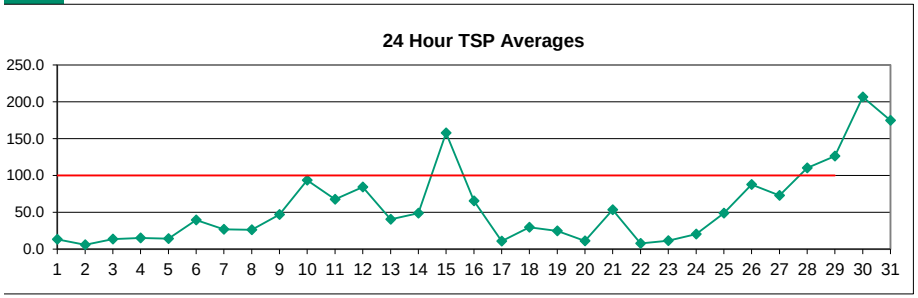
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	5.0	5.0	2.0	0.0	0.0	1.0	7.0	7.0	4.0	44.0	37.0	65.0	19.0	3.0	0.0	3.0	4.0	3.0	1.0	2.0	5.0	3.0	1.0	24.0	10.2	65.0
2	2.0	7.0	6.0	4.0	0.0	0.0	0.0	7.0	3.0	0.0	1.0	3.0	7.0	16.0	5.0	7.0	5.0	6.0	9.0	5.0	3.0	6.0	5.0	7.0	4.8	16.0
3	6.0	5.0	18.0	3.0	3.0	0.0	2.0	11.0	8.0	C	C	84.0	16.0	16.0	14.0	8.0	7.0	8.0	11.0	8.0	7.0	5.0	7.0	5.0	11.5	84.0
4	6.0	5.0	17.0	12.0	9.0	6.0	5.0	6.0	8.0	12.0	19.0	7.0	5.0	16.0	9.0	8.0	13.0	9.0	10.0	9.0	14.0	11.0	8.0	8.0	9.7	19.0
5	6.0	4.0	5.0	12.0	9.0	11.0	13.0	8.0	14.0	9.0	13.0	15.0	9.0	6.0	8.0	14.0	11.0	12.0	10.0	8.0	11.0	8.0	5.0	2.0	9.3	15.0
6	3.0	7.0	8.0	5.0	5.0	4.0	5.0	10.0	17.0	84.0	102.0	49.0	37.0	67.0	52.0	34.0	41.0	64.0	31.0	10.0	11.0	35.0	13.0	8.0	29.3	102.0
7	70.0	30.0	24.0	31.0	47.0	24.0	3.0	2.0	27.0	22.0	24.0	6.0	13.0	32.0	68.0	14.0	10.0	5.0	3.0	7.0	4.0	2.0	3.0	2.0	19.7	70.0
8	0.0	2.0	2.0	1.0	4.0	6.0	31.0	16.0	0.0	16.0	14.0	21.0	37.0	52.0	43.0	39.0	24.0	17.0	7.0	4.0	2.0	3.0	3.0	7.0	14.6	52.0
9	8.0	7.0	3.0	2.0	4.0	7.0	9.0	30.0	32.0	X	128.0	100.0	100.0	48.0	42.0	38.0	37.0	40.0	15.0	16.0	1.0	1.0	3.0	5.0	29.4	128.0
10	3.0	7.0	9.0	6.0	11.0	10.0	44.0	32.0	25.0	26.0	70.0	44.0	81.0	102.0	136.0	65.0	75.0	171.0	121.0	104.0	85.0	46.0	49.0	41.0	56.8	171.0
11	19.0	42.0	60.0	10.0	8.0	11.0	13.0	10.0	20.0	16.0	11.0	16.0	25.0	18.0	135.0	27.0	125.0	109.0	35.0	44.0	44.0	69.0	80.0	101.0	43.7	135.0
12	95.0	79.0	54.0	42.0	29.0	29.0	19.0	15.0	16.0	49.0	44.0	93.0	85.0	86.0	86.0	63.0	68.0	146.0	68.0	55.0	92.0	48.0	22.0	1.0	57.7	146.0
13	1.0	3.0	3.0	4.0	6.0	5.0	32.0	117.0	24.0	26.0	23.0	29.0	32.0	46.0	25.0	24.0	15.0	130.0	3.0	21.0	14.0	7.0	1.0	3.0	24.8	130.0
14	6.0	4.0	4.0	2.0	0.0	0.0	14.0	27.0	11.0	10.0	27.0	27.0	29.0	49.0	47.0	78.0	45.0	48.0	59.0	79.0	23.0	28.0	43.0	50.0	29.6	79.0
15	15.0	9.0	4.0	3.0	4.0	1.0	24.0	32.0	59.0	193.0	164.0	148.0	280.0	247.0	378.0	140.0	122.0	148.0	99.0	62.0	58.0	91.0	93.0	77.0	102.1	378.0
16	18.0	2.0	6.0	4.0	25.0	0.0	3.0	20.0	73.0	183.0	156.0	182.0	45.0	87.0	20.0	99.0	32.0	46.0	33.0	14.0	8.0	8.0	4.0	3.0	44.6	183.0
17	5.0	5.0	4.0	6.0	4.0	0.0	0.0	10.0	7.0	4.0	5.0	6.0	15.0	15.0	6.0	21.0	6.0	30.0	43.0	2.0	4.0	3.0	2.0	2.0	8.5	43.0
18	1.0	1.0	4.0	3.0	1.0	7.0	13.0	9.0	26.0	57.0	40.0	11.0	6.0	44.0	33.0	43.0	38.0	97.0	39.0	24.0	0.0	7.0	17.0	5.0	21.9	97.0
19	4.0	4.0	4.0	8.0	20.0	2.0	4.0	4.0	7.0	116.0	45.0	34.0	30.0	39.0	18.0	23.0	26.0	9.0	8.0	7.0	9.0	6.0	6.0	5.0	18.3	116.0
20	9.0	10.0	5.0	8.0	6.0	6.0	7.0	22.0	20.0	11.0	14.0	10.0	12.0	11.0	9.0	11.0	7.0	7.0	5.0	4.0	10.0	10.0	13.0	9.0	9.8	22.0
21	6.0	5.0	5.0	5.0	4.0	3.0	10.0	21.0	32.0	41.0	89.0	64.0	51.0	58.0	60.0	97.0	105.0	84.0	32.0	54.0	7.0	7.0	6.0	5.0	35.5	105.0
22	7.0	5.0	9.0	6.0	2.0	3.0	5.0	5.0	6.0	4.0	0.0	0.0	0.0	1.0	7.0	7.0	3.0	0.0	24.0	8.0	8.0	7.0	4.0	3.0	5.2	24.0
23	3.0	0.0	0.0	4.0	4.0	18.0	24.0	27.0	18.0	7.0	9.0	5.0	3.0	7.0	15.0	20.0	12.0	6.0	1.0	2.0	7.0	6.0	3.0	6.0	8.6	27.0
24	5.0	3.0	3.0	3.0	4.0	5.0	4.0	7.0	11.0	35.0	77.0	50.0	64.0	21.0	16.0	8.0	10.0	6.0	4.0	6.0	8.0	7.0	7.0	12.0	15.7	77.0
25	6.0	6.0	9.0	12.0	9.0	4.0	1.0	5.0	7.0	12.0	32.0	65.0	57.0	92.0	51.0	145.0	55.0	33.0	76.0	70.0	58.0	16.0	4.0	11.0	34.8	145.0
26	48.0	54.0	26.0	8.0	5.0	31.0	26.0	105.0	83.0	62.0	77.0	85.0	52.0	47.0	57.0	30.0	74.0	120.0	98.0	92.0	101.0	74.0	49.0	41.0	60.2	120.0
27	41.0	54.0	60.0	52.0	18.0	2.0	10.0	102.0	78.0	74.0	58.0	47.0	25.0	39.0	78.0	51.0	51.0	96.0	58.0	20.0	49.0	23.0	22.0	21.0	47.0	102.0
28	19.0	7.0	5.0	2.0	1.0	8.0	46.0	98.0	46.0	26.0	86.0	60.0	21.0	46.0	45.0	55.0	78.0	90.0	122.0	53.0	22.0	364.0	205.0	116.0	67.5	364.0
29	60.0	35.0	13.0	21.0	4.0	9.0	33.0	64.0	69.0	106.0	154.0	185.0	127.0	89.0	151.0	106.0	99.0	70.0	51.0	76.0	101.0	80.0	90.0	76.0	77.9	185.0
30	56.0	82.0	67.0	96.0	84.0	86.0	121.0	116.0	98.0	106.0	112.0	138.0	138.0	198.0	209.0	235.0	151.0	294.0	159.0	120.0	91.0	109.0	111.0	100.0	128.2	294.0
31	69.0	111.0	113.0	131.0	61.0	133.0	138.0	93.0	107.0	67.0	170.0	116.0	132.0	158.0	103.0	110.0	96.0	84.0	135.0	96.0	73.0	91.0	100.0	78.0	106.9	170.0
NO.	31	31	31	31	31	31	31	31	31	29	30	31	31	31	31	31	31	31	31	31	31	31	31	31	741	99.9%
MEAN	19.4	19.4	17.8	16.3	12.6	13.9	21.5	33.5	30.8	48.9	60.0	56.9	50.1	56.6	62.1	52.4	46.6	64.1	44.2	34.9	30.0	38.1	31.6	26.9	42.0	
MAX	95.0	111.0	113.0	131.0	84.0	133.0	138.0	117.0	107.0	193.0	170.0	185.0	280.0	247.0	378.0	235.0	151.0	294.0	159.0	120.0	101.0	364.0	205.0	116.0	91.1	433.3



Number of Non-Zero Readings	719		
Maximum 1-HR Average	378.0 UG/M3		
Maximum 24-HR Average	128.2 UG/M3		
		Operational Time	743 HRS
Monthly Calibration	2	Operational Uptime	99.9 %
Standard Deviation	47.66	Monthly Average	37.0 UG/M3

Windridge TSP (µg/m^3) – May 2024

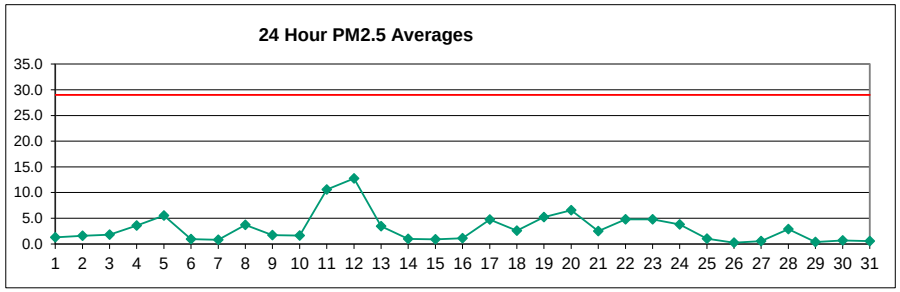
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	2.0	3.0	3.0	0.0	1.0	5.0	4.0	8.0	10.0	60.0	50.0	71.0	32.0	7.0	5.0	5.0	5.0	4.0	4.0	2.0	10.0	12.0	6.0	9.0	13.3	71.0
2	7.0	5.0	2.0	5.0	2.0	0.0	1.0	10.0	7.0	6.0	3.0	6.0	7.0	19.0	3.0	8.0	8.0	8.0	5.0	3.0	6.0	5.0	4.0	9.0	5.8	19.0
3	7.0	6.0	14.0	7.0	5.0	6.0	5.0	13.0	10.0	C	C	43.0	34.0	27.0	24.0	13.0	8.0	17.0	13.0	14.0	7.0	5.0	7.0	8.0	13.3	43.0
4	11.0	7.0	19.0	13.0	11.0	7.0	9.0	6.0	11.0	21.0	31.0	10.0	10.0	22.0	19.0	14.0	28.0	20.0	21.0	12.0	19.0	24.0	4.0	8.0	14.9	31.0
5	10.0	8.0	7.0	13.0	15.0	16.0	18.0	11.0	15.0	11.0	28.0	22.0	12.0	14.0	19.0	21.0	19.0	21.0	17.0	17.0	16.0	6.0	1.0	1.0	14.1	28.0
6	5.0	6.0	4.0	5.0	7.0	8.0	8.0	16.0	25.0	120.0	159.0	50.0	51.0	85.0	78.0	41.0	53.0	75.0	42.0	18.0	15.0	45.0	19.0	8.0	39.3	159.0
7	84.0	36.0	21.0	29.0	43.0	34.0	1.0	4.0	45.0	26.0	38.0	13.0	23.0	48.0	95.0	25.0	14.0	10.0	13.0	19.0	1.0	9.0	6.0	4.0	26.7	95.0
8	2.0	4.0	3.0	1.0	2.0	5.0	53.0	34.0	7.0	40.0	27.0	36.0	58.0	91.0	77.0	78.0	42.0	29.0	15.0	9.0	4.0	0.0	0.0	11.0	26.2	91.0
9	10.0	9.0	9.0	11.0	7.0	9.0	12.0	52.0	53.0	X	199.0	159.0	148.0	74.0	62.0	68.0	64.0	61.0	29.0	10.0	6.0	5.0	9.0	11.0	46.8	199.0
10	9.0	9.0	21.0	10.0	13.0	17.0	78.0	34.0	38.0	49.0	111.0	61.0	114.0	178.0	248.0	120.0	139.0	314.0	212.0	150.0	126.0	82.0	70.0	43.0	93.6	314.0
11	38.0	14.0	30.0	12.0	7.0	4.0	16.0	10.0	15.0	20.0	17.0	19.0	32.0	44.0	237.0	48.0	285.0	220.0	72.0	84.0	74.0	101.0	103.0	117.0	67.5	285.0
12	106.0	79.0	50.0	51.0	29.0	34.0	22.0	22.0	17.0	63.0	61.0	159.0	144.0	142.0	138.0	100.0	95.0	241.0	105.0	88.0	172.0	72.0	25.0	7.0	84.3	241.0
13	5.0	5.0	4.0	7.0	7.0	6.0	54.0	195.0	39.0	46.0	39.0	40.0	53.0	71.0	47.0	46.0	27.0	216.0	10.0	27.0	13.0	6.0	1.0	4.0	40.3	216.0
14	3.0	0.0	0.0	0.0	5.0	5.0	18.0	38.0	17.0	22.0	40.0	36.0	45.0	77.0	89.0	130.0	79.0	83.0	112.0	124.0	34.0	56.0	74.0	79.0	48.6	130.0
15	17.0	3.0	4.0	4.0	7.0	9.0	37.0	51.0	91.0	312.0	264.0	265.0	489.0	384.0	535.0	200.0	210.0	245.0	140.0	89.0	71.0	124.0	127.0	109.0	157.8	535.0
16	22.0	3.0	8.0	7.0	28.0	3.0	3.0	34.0	103.0	296.0	234.0	281.0	51.0	127.0	24.0	153.0	36.0	73.0	38.0	14.0	11.0	10.0	6.0	5.0	65.4	296.0
17	4.0	6.0	5.0	6.0	4.0	3.0	3.0	8.0	6.0	2.0	4.0	11.0	20.0	15.0	5.0	20.0	14.0	42.0	54.0	0.0	8.0	5.0	6.0	4.0	10.6	54.0
18	4.0	4.0	4.0	1.0	4.0	12.0	22.0	8.0	38.0	85.0	68.0	8.0	7.0	62.0	52.0	50.0	36.0	118.0	47.0	35.0	8.0	12.0	12.0	10.0	29.5	118.0
19	6.0	5.0	3.0	12.0	26.0	1.0	2.0	5.0	14.0	156.0	50.0	39.0	42.0	56.0	24.0	36.0	36.0	18.0	12.0	10.0	16.0	4.0	11.0	8.0	24.7	156.0
20	6.0	4.0	8.0	8.0	6.0	6.0	7.0	20.0	14.0	9.0	13.0	11.0	17.0	17.0	17.0	11.0	11.0	13.0	9.0	6.0	12.0	12.0	18.0	11.0	11.1	20.0
21	10.0	6.0	8.0	7.0	6.0	4.0	10.0	34.0	46.0	68.0	147.0	97.0	81.0	105.0	91.0	143.0	147.0	119.0	41.0	74.0	11.0	8.0	6.0	9.0	53.3	147.0
22	10.0	6.0	7.0	7.0	7.0	5.0	4.0	5.0	8.0	5.0	3.0	1.0	0.0	4.0	10.0	6.0	2.0	14.0	37.0	10.0	13.0	8.0	6.0	4.0	7.6	37.0
23	4.0	3.0	1.0	6.0	8.0	21.0	36.0	35.0	23.0	6.0	20.0	9.0	5.0	16.0	10.0	27.0	15.0	2.0	0.0	7.0	7.0	2.0	0.0	8.0	11.3	36.0
24	4.0	5.0	5.0	1.0	5.0	6.0	5.0	3.0	17.0	31.0	96.0	67.0	92.0	32.0	29.0	24.0	16.0	12.0	8.0	6.0	5.0	3.0	5.0	13.0	20.4	18.0
25	7.0	13.0	9.0	15.0	8.0	6.0	3.0	4.0	7.0	13.0	34.0	102.0	71.0	137.0	59.0	246.0	73.0	49.0	103.0	90.0	74.0	21.0	7.0	18.0	48.7	246.0
26	58.0	74.0	35.0	16.0	6.0	35.0	33.0	132.0	111.0	90.0	121.0	112.0	80.0	73.0	108.0	45.0	107.0	168.0	166.0	125.0	149.0	122.0	71.0	69.0	87.8	168.0
27	67.0	78.0	87.0	70.0	23.0	4.0	22.0	162.0	109.0	116.0	102.0	72.0	48.0	70.0	118.0	95.0	82.0	149.0	90.0	25.0	77.0	30.0	28.0	23.0	72.8	162.0
28	29.0	8.0	5.0	1.0	6.0	10.0	76.0	126.0	59.0	36.0	160.0	87.0	37.0	84.0	94.0	114.0	155.0	153.0	176.0	78.0	36.0	630.0	318.0	169.0	110.3	630.0
29	79.0	32.0	12.0	22.0	15.0	6.0	53.0	115.0	117.0	199.0	276.0	292.0	198.0	172.0	246.0	167.0	173.0	126.0	89.0	121.0	158.0	122.0	131.0	111.0	126.3	292.0
30	79.0	119.0	112.0	165.0	125.0	115.0	202.0	201.0	154.0	178.0	185.0	238.0	231.0	334.0	342.0	426.0	247.0	402.0	275.0	207.0	134.0	171.0	173.0	144.0	206.6	426.0
31	99.0	152.0	162.0	182.0	80.0	195.0	216.0	152.0	177.0	120.0	274.0	200.0	247.0	289.0	202.0	198.0	156.0	143.0	247.0	175.0	115.0	131.0	144.0	139.0	174.8	289.0
NO.	31	31	31	31	31	31	31	31	31	29	30	31	31	31	31	31	31	31	31	31	31	31	31	31	741	99.9%
MEAN	25.9	23.0	21.4	22.4	16.7	19.3	33.3	49.9	45.3	76.1	95.1	84.4	80.0	92.8	100.2	86.4	76.8	102.1	71.0	53.2	45.4	59.5	45.1	37.8		
MAX	106.0	152.0	162.0	182.0	125.0	195.0	216.0	201.0	177.0	312.0	276.0	292.0	489.0	384.0	535.0	426.0	285.0	402.0	275.0	207.0	172.0	630.0	318.0	169.0		



Number of 24HR Exceedences	5	Proposed Guideline	
Number of Non-Zero Readings	730		
Maximum 1-HR Average	630.0	UG/M3	
Maximum 24-HR Average	206.6	UG/M3	
IZS Calibration Time		Operational Time	743 HRS
Down Time	0	Operational Uptime	99.9 %
Standard Deviation	77.5	Monthly Average	56.7 UG/M3

West $PM_{2.5}$ (µg/m^3) – May 2024

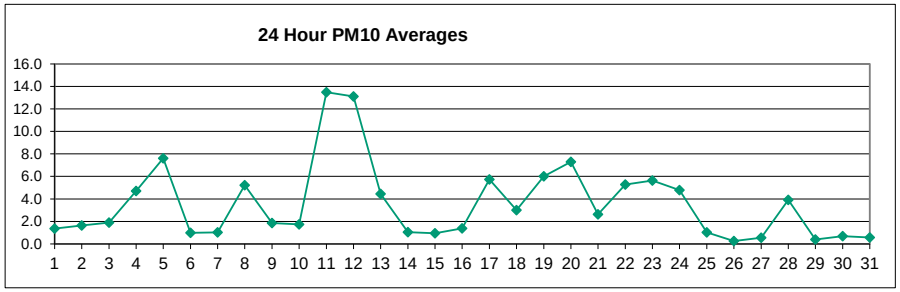
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	1.1	0.6	0.7	0.3	0.2	0.2	0.3	0.2	0.3	1.2	0.8	1.3	0.8	0.2	0.3	4.3	6.5	1.2	0.9	1.1	1.6	2.7	2.0	1.6	1.3	6.5
2	1.1	0.9	0.7	0.9	2.3	1.7	1.3	1.3	2.2	2.0	2.6	1.2	1.1	1.7	0.9	2.2	2.4	1.6	1.3	1.1	2.1	1.5	1.9	1.9	1.6	2.6
3	2.3	2.5	1.8	1.6	1.3	1.9	2.3	2.1	2.1	1.5	1.4	1.2	0.9	1.1	1.0	1.4	2.0	2.0	1.8	2.6	2.0	2.2	2.4	1.9	1.8	2.6
4	1.8	2.2	2.1	2.3	1.7	1.9	1.8	1.7	2.1	2.7	4.8	5.7	4.3	5.0	8.7	4.8	4.5	3.4	4.6	4.5	2.3	3.4	5.1	3.9	3.6	8.7
5	3.7	5.2	3.3	5.4	4.8	2.2	1.9	2.6	2.9	1.7	3.5	6.2	7.7	4.5	5.4	9.7	10.0	12.2	12.8	10.5	6.0	3.0	5.5	1.6	5.5	12.8
6	1.9	1.7	2.1	1.5	1.5	1.4	2.8	3.2	1.6	1.3	1.0	0.7	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.9	3.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.2	0.7	4.0	1.7	0.7	2.0	1.5	1.7	3.2	0.8	4.0
8	1.7	1.2	1.0	2.5	5.6	6.7	8.3	16.5	5.7	1.6	6.0	3.6	1.8	1.0	0.8	0.5	0.5	0.5	0.6	1.7	7.2	7.3	3.2	2.9	3.7	16.5
9	2.2	1.7	1.2	1.6	1.8	1.3	3.1	2.4	2.4	2.1	1.5	1.5	1.4	1.3	1.2	1.2	0.7	0.8	0.9	1.6	2.3	2.3	2.0	2.4	1.7	3.1
10	2.0	1.7	2.0	1.9	1.9	2.0	3.1	3.7	3.1	2.1	2.1	1.3	1.1	0.7	0.9	0.7	0.7	1.1	1.0	1.1	1.2	1.3	1.4	1.3	1.6	3.7
11	1.6	1.7	1.5	1.4	1.6	1.9	1.8	2.4	2.5	2.2	2.8	2.5	2.1	2.0	1.6	1.4	8.8	8.0	7.2	8.8	17.3	31.0	55.4	86.7	10.6	86.7
12	80.7	65.0	37.2	30.6	18.0	14.2	10.5	7.0	5.4	6.5	5.9	2.6	2.4	1.9	1.6	1.7	1.8	1.9	1.7	1.8	2.1	1.5	1.5	1.8	12.7	80.7
13	2.0	2.1	1.9	2.0	1.8	2.2	3.0	2.9	10.3	14.9	12.4	6.0	3.3	1.4	4.5	3.1	1.0	1.6	0.8	0.7	0.5	0.5	1.1	2.3	3.4	14.9
14	1.8	3.2	2.3	1.8	0.9	2.1	1.2	1.4	0.9	0.7	0.8	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.6	0.7	0.8	0.6	0.5	1.0	3.2
15	1.0	1.2	1.3	0.9	0.8	1.3	0.8	1.0	1.1	1.1	1.1	1.1	1.0	0.9	1.6	0.9	1.1	0.7	0.5	0.4	0.4	0.5	0.4	0.3	0.9	1.6
16	0.4	0.4	0.6	0.8	0.4	0.5	0.9	0.5	0.4	0.3	0.3	0.3	0.5	0.8	1.0	0.4	0.4	0.3	0.2	0.2	2.1	1.8	6.5	6.7	1.1	6.7
17	9.0	3.0	2.1	0.6	5.1	7.2	8.4	9.3	8.6	8.6	6.7	6.5	4.6	2.3	1.3	1.4	1.3	0.9	0.7	0.7	6.6	4.8	4.1	9.7	4.7	9.7
18	9.3	3.5	2.1	2.2	2.1	2.2	3.2	2.3	0.7	0.6	0.6	0.6	1.1	1.2	0.7	0.5	0.4	0.5	0.9	4.3	7.4	7.8	4.6	2.8	2.6	9.3
19	2.8	2.8	3.3	3.2	3.1	2.8	2.3	2.0	1.7	1.8	2.2	2.6	2.4	2.1	2.1	2.0	4.5	5.3	12.0	13.3	11.3	9.7	14.8	14.9	5.2	14.9
20	13.6	9.8	7.6	7.6	12.6	5.7	8.5	6.7	6.8	4.6	3.3	2.9	2.7	7.0	3.3	3.3	6.9	7.5	7.9	6.8	7.6	6.2	3.7	5.2	6.6	13.6
21	6.7	3.9	3.3	3.5	3.0	3.1	3.7	4.5	5.8	3.3	1.8	0.8	0.7	0.8	0.6	0.9	0.7	0.8	0.6	0.5	0.8	2.3	3.0	4.5	2.5	6.7
22	8.2	10.2	7.0	9.7	5.7	4.6	7.9	1.7	3.8	10.9	2.7	0.5	0.6	1.1	1.7	4.1	1.2	2.4	3.9	4.3	6.0	5.3	5.0	5.9	4.8	10.9
23	6.7	6.2	3.3	2.5	3.4	2.8	5.3	9.1	10.9	9.5	9.6	4.4	2.7	3.6	0.9	2.3	9.1	4.7	1.9	1.6	3.9	3.5	3.7	3.2	4.8	10.9
24	2.3	1.5	1.2	1.2	1.3	1.1	0.8	0.8	0.9	1.2	1.4	1.4	1.1	2.5	9.1	10.8	9.8	5.2	7.4	4.5	6.2	5.1	7.6	6.9	3.8	10.8
25	3.6	2.7	2.4	1.9	1.7	1.5	1.2	1.2	1.0	0.9	0.3	0.7	0.6	0.4	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.4	1.0	0.6	1.0	3.6
26	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.3	0.8	0.4	0.2	0.5	0.2	0.2	0.3	0.8
27	0.2	0.2	0.2	0.2	0.3	0.2	0.6	0.9	0.5	0.3	0.3	0.3	0.4	0.6	0.6	0.6	0.8	0.9	0.9	0.8	0.7	0.9	0.8	0.8	0.5	0.9
28	0.7	0.9	1.1	2.1	1.3	2.1	2.5	3.1	3.6	5.5	8.1	12.6	11.3	4.1	2.2	1.2	1.1	0.9	1.0	0.6	1.5	0.6	0.6	0.6	2.9	12.6
29	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.5	0.5	0.7	1.1	0.9	0.4	0.4	0.8	0.5	0.6	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.4	1.1
30	0.2	0.2	0.3	0.2	0.2	0.2	0.7	0.6	0.5	0.6	0.9	1.4	1.0	3.3	1.8	0.8	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.3	0.7	3.3
31	0.3	0.4	0.3	0.4	0.4	0.5	1.0	0.6	0.7	0.6	0.4	0.6	0.6	0.7	0.5	0.5	0.8	0.7	0.6	0.6	0.5	0.7	0.6	0.6	0.6	1.0
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744	100%
MEAN	5.5	4.4	3.1	3.0	2.8	2.5	2.9	3.0	2.9	2.9	2.8	2.3	1.9	1.7	1.8	2.0	2.6	2.3	2.5	2.5	3.3	3.5	4.5	5.7		
MAX	80.7	65.0	37.2	30.6	18.0	14.2	10.5	16.5	10.9	14.9	12.4	12.6	11.3	7.0	9.1	10.8	10.0	12.2	12.8	13.3	17.3	31.0	55.4	86.7		



Number of 24HR Exceedences	0 Proposed Guideline		
Number of Non-Zero Readings	744		
Maximum 1-HR Average	86.7 UG/M3		
Maximum 24-HR Average	12.7 UG/M3		
IZS Calibration Time		Operational Time	744 HRS
Down Time	0	Operational Uptime	100.0 %
Standard Deviation	6.232	Monthly Average	3.0 UG/M3

West PM_{10} ($\mu g/m^3$) – May 2024

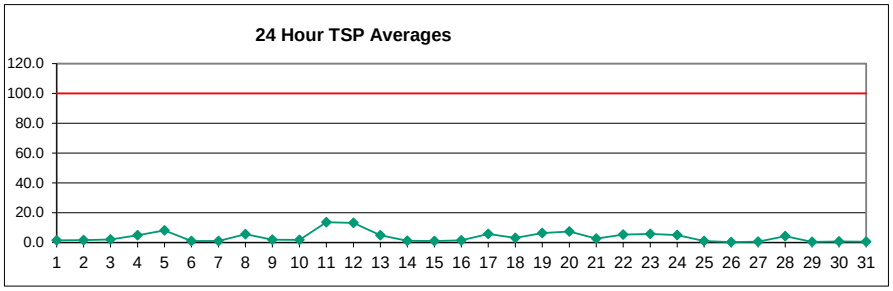
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	1.1	0.6	0.7	0.3	0.2	0.2	0.3	0.2	0.3	1.5	0.8	1.4	0.9	0.2	0.3	4.8	7.8	1.2	0.9	1.1	1.6	2.7	2.0	1.6	1.4	7.8
2	1.1	0.9	0.7	0.9	2.4	1.7	1.3	1.3	2.4	2.4	3.2	1.2	1.1	1.7	0.9	2.2	2.4	1.6	1.3	1.1	2.1	1.5	1.9	1.9	1.6	3.2
3	2.3	2.5	1.8	1.6	1.3	1.9	2.3	2.1	2.1	1.5	1.8	1.2	0.9	1.1	1.0	1.4	2.2	2.3	2.0	3.3	2.2	2.2	2.4	1.9	1.9	3.3
4	1.8	2.2	2.1	2.3	1.7	1.9	1.8	1.7	2.1	3.2	7.1	8.2	5.4	7.2	12.9	7.1	6.5	4.5	6.8	6.6	2.6	4.7	7.4	5.3	4.7	12.9
5	4.6	7.3	3.4	6.2	5.5	2.2	1.9	2.6	2.9	1.7	4.7	9.2	11.3	6.7	7.9	14.6	15.0	18.3	19.1	15.8	8.9	3.6	7.7	1.6	7.6	19.1
6	1.9	1.7	2.1	1.5	1.5	1.4	3.0	4.0	1.6	1.3	1.0	0.7	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1.0	4.0
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.2	0.2	0.8	5.9	2.4	0.8	2.6	1.7	2.1	4.4	1.0	5.9
8	2.1	1.2	1.0	3.3	8.2	9.9	12.4	24.3	8.3	2.2	9.0	5.4	2.5	1.1	0.9	0.5	0.5	0.5	0.6	2.1	10.8	10.7	4.3	3.2	5.2	24.3
9	2.2	1.7	1.2	1.6	1.8	1.3	3.8	3.2	3.2	2.6	1.7	1.5	1.4	1.3	1.2	1.2	0.7	0.8	0.9	1.6	2.7	2.7	2.0	2.4	1.9	3.8
10	2.0	1.7	2.0	1.9	1.9	2.0	3.3	4.6	4.2	2.1	2.2	1.3	1.1	0.7	0.9	0.7	0.7	1.1	1.0	1.1	1.2	1.3	1.4	1.3	1.7	4.6
11	1.6	1.7	1.5	1.4	1.6	1.9	1.8	2.4	2.5	2.2	2.9	2.5	2.1	2.0	1.6	1.4	12.1	11.8	10.3	11.3	21.0	31.0	69.1	125.7	13.5	125.7
12	89.8	65.0	37.2	30.6	18.0	14.2	10.5	7.0	5.4	6.5	5.9	2.9	2.4	1.9	1.6	1.7	1.8	1.9	1.7	1.8	2.1	1.5	1.5	1.8	13.1	89.8
13	2.0	2.1	1.9	2.0	1.8	2.2	3.0	2.9	14.7	21.8	18.2	9.0	4.4	1.4	6.1	4.2	1.0	1.9	0.8	0.7	0.5	0.5	1.1	2.3	4.4	21.8
14	1.8	3.7	2.8	2.0	0.9	2.3	1.2	1.4	0.9	0.7	0.8	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.6	0.7	0.8	0.6	0.5	1.1	3.7
15	1.0	1.2	1.3	0.9	0.8	1.3	0.8	1.0	1.2	1.2	1.2	1.2	1.2	0.9	2.2	0.9	1.2	0.7	0.5	0.4	0.4	0.5	0.4	0.3	0.9	2.2
16	0.4	0.4	0.6	0.8	0.4	0.5	0.9	0.5	0.4	0.3	0.3	0.3	0.5	0.9	1.4	0.4	0.4	0.3	0.2	0.2	2.9	2.1	9.3	8.9	1.4	9.3
17	12.5	3.4	2.3	0.6	5.1	8.4	10.0	11.8	11.6	10.8	6.7	6.5	4.6	2.3	1.3	1.4	1.3	0.9	0.7	0.7	9.3	6.4	4.8	14.3	5.7	14.3
18	13.5	3.7	2.1	2.2	2.1	2.2	3.2	2.3	0.7	0.6	0.6	0.6	1.1	1.2	0.7	0.5	0.4	0.5	0.9	5.4	9.8	10.6	4.6	2.8	3.0	13.5
19	2.8	2.8	3.3	3.2	3.1	2.8	2.3	2.0	1.7	1.8	2.2	2.6	2.4	2.1	2.1	2.0	5.0	5.3	15.2	17.0	14.2	12.3	18.8	17.0	6.0	18.8
20	16.5	9.8	7.6	7.6	12.6	5.7	8.5	6.7	6.8	4.6	3.3	2.9	2.7	9.3	3.3	3.3	8.6	9.6	10.2	9.2	10.0	7.4	3.7	5.2	7.3	16.5
21	7.3	3.9	3.3	3.5	3.0	3.1	3.7	4.8	8.4	3.4	1.8	0.8	0.7	0.8	0.6	0.9	0.7	0.8	0.6	0.5	0.8	2.4	3.0	4.5	2.6	8.4
22	8.2	10.2	7.0	9.7	5.7	4.6	9.8	1.8	4.6	13.5	3.0	0.5	0.6	1.1	1.7	4.6	1.2	3.1	4.8	5.4	7.3	5.9	5.3	7.0	5.3	13.5
23	8.5	7.3	3.3	2.5	3.4	2.8	5.3	9.1	12.3	13.2	14.0	6.0	2.8	3.6	0.9	2.8	13.5	5.7	1.9	1.6	4.1	3.5	3.7	3.2	5.6	14.0
24	2.3	1.5	1.2	1.2	1.3	1.1	0.8	0.8	0.9	1.2	1.4	1.4	1.1	2.7	12.8	15.3	14.3	7.2	10.6	4.7	8.2	6.3	9.4	6.9	4.8	15.3
25	3.6	2.7	2.4	1.9	1.7	1.5	1.2	1.2	1.0	0.9	0.3	0.8	0.8	0.4	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.4	1.0	0.6	1.0	3.6
26	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.3	1.0	0.4	0.2	0.5	0.2	0.2	0.3	1.0
27	0.2	0.2	0.2	0.2	0.3	0.2	0.6	1.1	0.5	0.3	0.3	0.3	0.4	0.6	0.6	0.6	0.8	0.9	0.9	0.8	0.7	0.9	0.8	0.8	0.6	1.1
28	0.7	0.9	1.1	2.2	1.3	2.3	2.9	4.2	5.2	8.2	12.1	18.7	16.8	5.9	2.9	1.3	1.2	0.9	1.0	0.6	1.7	0.6	0.6	0.6	3.9	18.7
29	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.5	0.5	0.7	1.1	1.0	0.4	0.4	0.9	0.5	0.6	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.4	1.1
30	0.2	0.2	0.3	0.2	0.2	0.2	0.8	0.7	0.6	0.6	0.9	1.4	1.0	3.3	1.8	0.8	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.3	0.7	3.3
31	0.3	0.4	0.3	0.4	0.4	0.5	1.1	0.6	0.7	0.6	0.4	0.6	0.6	0.7	0.5	0.5	0.8	0.7	0.6	0.6	0.5	0.7	0.6	0.6	0.6	1.1
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744	100%
MEAN	6.2	4.6	3.1	3.0	2.9	2.6	3.2	3.5	3.5	3.6	3.5	2.9	2.3	2.0	2.3	2.5	3.3	2.9	3.2	3.1	4.2	4.1	5.5	7.3		
MAX	89.8	65.0	37.2	30.6	18.0	14.2	12.4	24.3	14.7	21.8	18.2	18.7	16.8	9.3	12.9	15.3	15.0	18.3	19.1	17.0	21.0	31.0	69.1	125.7		



Number of Non-Zero Readings	744		
Maximum 1-HR Average	125.7 UG/M3		
Maximum 24-HR Average	13.5 UG/M3		
IZS Calibration Time		OperatioEl Time	744 HRS
Down Time	0	OperatioEl Uptime	100.0 %
Standard Deviation	7.7	Monthly Average	3.6 UG/M3

West TSP (µg/m^3) – May 2024

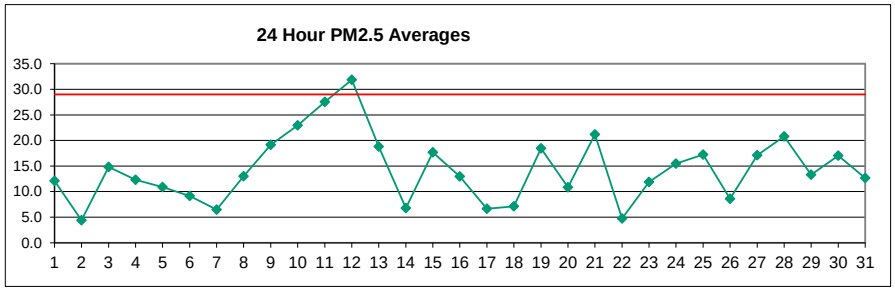
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	1.1	0.6	0.7	0.3	0.2	0.2	0.3	0.2	0.3	1.5	0.8	1.4	0.9	0.2	0.3	4.8	7.8	1.2	0.9	1.1	1.6	2.7	2.0	1.6	1.4	7.8
2	1.1	0.9	0.7	0.9	2.4	1.7	1.3	1.3	2.4	2.4	3.2	1.2	1.1	1.7	0.9	2.2	2.4	1.6	1.3	1.1	2.1	1.5	1.9	1.9	1.6	3.2
3	2.3	2.5	1.8	1.6	1.3	1.9	2.3	2.1	2.1	1.5	4.9	1.2	0.9	1.1	1.0	1.4	2.2	2.3	2.0	3.3	2.2	2.2	2.4	1.9	2.0	4.9
4	1.8	2.2	2.1	2.3	1.7	1.9	1.8	1.7	2.1	3.2	7.4	8.5	5.4	7.3	14.6	7.5	6.7	4.5	7.3	7.0	2.6	4.7	7.4	5.3	4.9	14.6
5	4.6	7.3	3.4	6.2	5.5	2.2	1.9	2.6	2.9	1.7	4.7	9.7	12.6	7.0	8.6	16.4	16.9	20.8	21.5	17.2	9.2	3.6	7.7	1.6	8.2	21.5
6	1.9	1.7	2.1	1.5	1.5	1.4	3.0	4.0	1.6	1.3	1.0	0.7	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1.0	4.0
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.2	0.2	0.8	6.3	2.4	0.8	2.6	1.7	2.1	4.4	1.0	6.3
8	2.1	1.2	1.0	3.3	8.3	10.1	14.0	28.1	9.1	2.2	9.9	5.9	2.5	1.1	0.9	0.5	0.5	0.5	0.6	2.1	12.0	11.9	4.3	3.2	5.6	28.1
9	2.2	1.7	1.2	1.6	1.8	1.3	3.8	3.2	3.2	2.6	1.7	1.5	1.4	1.3	1.2	1.2	0.7	0.8	0.9	1.6	2.7	2.7	2.0	2.4	1.9	3.8
10	2.0	1.7	2.0	1.9	1.9	2.0	3.3	4.6	4.2	2.1	2.2	1.3	1.1	0.7	0.9	0.7	0.7	1.1	1.0	1.1	1.2	1.3	1.4	1.3	1.7	4.6
11	1.6	1.7	1.5	1.4	1.6	1.9	1.8	2.4	2.5	2.2	2.9	2.5	2.1	2.0	1.6	1.4	13.7	12.5	10.6	11.7	21.0	31.0	69.1	126.4	13.6	126.4
12	89.8	65.0	37.2	30.6	18.0	14.2	10.5	7.0	5.4	6.5	5.9	2.9	2.4	1.9	1.6	1.7	1.8	1.9	1.7	1.8	2.1	1.5	1.5	1.8	13.1	89.8
13	2.0	2.1	1.9	2.0	1.8	2.2	3.0	2.9	16.7	25.1	20.8	9.2	4.4	1.4	6.4	4.2	1.0	1.9	0.8	0.7	0.5	0.5	1.1	2.3	4.8	25.1
14	1.8	3.7	2.8	2.0	0.9	2.3	1.2	1.4	0.9	0.7	0.8	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.6	0.7	0.8	0.6	0.5	1.1	3.7
15	1.0	1.2	1.3	0.9	0.8	1.3	0.8	1.0	1.2	1.2	1.2	1.2	1.2	0.9	2.2	0.9	1.2	0.7	0.5	0.4	0.4	0.5	0.4	0.3	0.9	2.2
16	0.4	0.4	0.6	0.8	0.4	0.5	0.9	0.5	0.4	0.3	0.3	0.3	0.5	0.9	1.4	0.4	0.4	0.3	0.2	0.2	2.9	2.1	9.3	8.9	1.4	9.3
17	12.5	3.4	2.3	0.6	5.1	8.4	10.0	11.8	11.6	10.8	6.7	6.5	4.6	2.3	1.3	1.4	1.3	0.9	0.7	0.7	9.5	6.4	4.8	14.7	5.8	14.7
18	13.5	3.7	2.1	2.2	2.1	2.2	3.2	2.3	0.7	0.6	0.6	0.6	1.1	1.2	0.7	0.5	0.4	0.5	0.9	5.4	9.8	10.9	4.6	2.8	3.0	13.5
19	2.8	2.8	3.3	3.2	3.1	2.8	2.3	2.0	1.7	1.8	2.2	2.6	2.4	2.1	2.1	2.0	5.0	5.3	16.4	18.4	15.8	13.3	20.2	17.0	6.3	20.2
20	16.5	9.8	7.6	7.6	12.6	5.7	8.5	6.7	6.8	4.6	3.3	2.9	2.7	9.6	3.3	3.3	8.6	9.9	11.0	9.2	10.7	7.4	3.7	5.2	7.4	16.5
21	7.3	3.9	3.3	3.5	3.0	3.1	3.7	4.8	8.4	3.4	1.8	0.8	0.7	0.8	0.6	0.9	0.7	0.8	0.6	0.5	0.8	2.4	3.0	4.5	2.6	8.4
22	8.2	10.2	7.0	9.7	5.7	4.6	9.8	1.8	4.6	13.5	3.0	0.5	0.6	1.1	1.7	4.6	1.2	3.1	4.8	5.4	7.3	5.9	5.3	7.0	5.3	13.5
23	8.5	7.3	3.3	2.5	3.4	2.8	5.3	9.1	12.3	14.6	15.1	6.5	2.8	3.6	0.9	2.8	14.2	5.7	1.9	1.6	4.1	3.5	3.7	3.2	5.8	15.1
24	2.3	1.5	1.2	1.2	1.3	1.1	0.8	0.8	0.9	1.2	1.4	1.4	1.1	2.7	13.6	17.4	15.8	7.2	10.6	4.7	8.2	6.3	9.4	6.9	5.0	17.4
25	3.6	2.7	2.4	1.9	1.7	1.5	1.2	1.2	1.0	0.9	0.3	0.8	0.8	0.4	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.4	1.0	0.6	1.0	3.6
26	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.3	1.0	0.4	0.2	0.5	0.2	0.2	0.3	1.0
27	0.2	0.2	0.2	0.2	0.3	0.2	0.6	1.1	0.5	0.3	0.3	0.3	0.4	0.6	0.6	0.6	0.8	0.9	0.9	0.8	0.7	0.9	0.8	0.8	0.6	1.1
28	0.7	0.9	1.1	2.2	1.3	2.3	2.9	4.2	5.2	9.0	13.8	21.6	19.2	6.3	2.9	1.3	1.2	0.9	1.0	0.6	1.7	0.6	0.6	0.6	4.3	21.6
29	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.5	0.5	0.7	1.1	1.0	0.4	0.4	0.9	0.5	0.6	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.4	1.1
30	0.2	0.2	0.3	0.2	0.2	0.2	0.8	0.7	0.6	0.6	0.9	1.4	1.0	3.3	1.8	0.8	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.3	0.7	3.3
31	0.3	0.4	0.3	0.4	0.4	0.5	1.1	0.6	0.7	0.6	0.4	0.6	0.6	0.7	0.5	0.5	0.8	0.7	0.6	0.6	0.5	0.7	0.6	0.6	0.6	1.1
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744	100%
MEAN	6.2	4.6	3.1	3.0	2.9	2.6	3.3	3.6	3.6	3.8	3.8	3.1	2.5	2.1	2.4	2.6	3.5	3.0	3.3	3.2	4.3	4.1	5.5	7.4		
MAX	89.8	65.0	37.2	30.6	18.0	14.2	14.0	28.1	16.7	25.1	20.8	21.6	19.2	9.6	14.6	17.4	16.9	20.8	21.5	18.4	21.0	31.0	69.1	126.4		



Number of 24HR Exceedences	0	Proposed Guideline	
Number of Non-Zero Readings	744		
Maximum 1-HR Average	126.4	UG/M3	
Maximum 24-HR Average	13.6	UG/M3	
IZS Calibration Time		Operational Time	744 HRS
Down Time	0	Operational Uptime	100.0 %
Standard Deviation	7.868	Monthly Average	3.6 UG/M3

Entrance $PM_{2.5}$ (µg/m^3) – May 2024

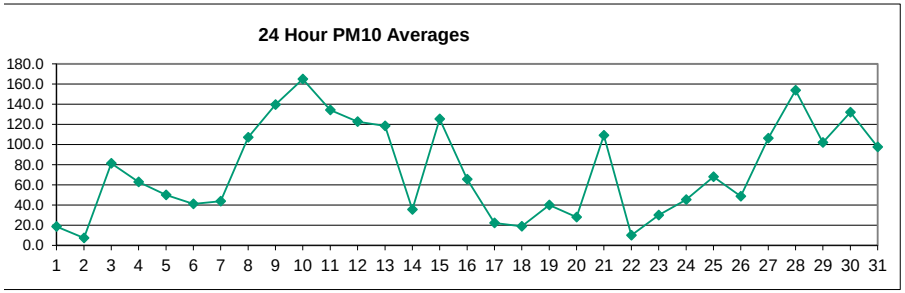
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	17.3	24.5	13.4	37.7	16.0	23.4	18.0	21.7	15.0	8.5	4.2	3.8	3.2	21.6	10.0	X	3.2	2.2	2.5	X	6.4	5.2	3.6	4.8	12.1	37.7
2	7.4	11.3	8.4	4.7	0.4	0.5	2.2	3.9	2.1	1.6	1.0	4.3	4.3	4.8	2.8	3.4	5.3	4.4	9.0	3.4	4.6	5.5	6.1	4.0	4.4	11.3
3	12.6	7.2	6.6	8.7	7.8	14.5	15.3	22.8	24.5	13.8	8.4	19.3	38.0	17.7	16.0	22.9	31.4	28.0	6.0	2.5	3.3	12.1	7.9	7.8	14.8	38.0
4	11.3	12.2	13.5	13.0	16.7	21.5	18.7	21.9	8.7	8.5	17.0	15.6	10.9	15.9	9.9	11.4	19.7	25.0	6.4	5.4	3.4	2.9	4.1	1.5	12.3	25.0
5	1.9	3.6	12.6	5.7	31.9	25.4	8.8	8.3	10.3	7.3	6.9	11.1	8.6	22.2	15.5	10.0	20.3	12.9	18.0	5.6	4.8	3.6	2.3	3.2	10.9	31.9
6	8.1	6.6	5.9	16.8	20.9	19.8	10.5	11.2	42.1	17.7	16.5	11.1	3.7	2.1	7.2	3.9	1.2	1.0	1.7	2.7	2.1	1.7	1.8	3.0	9.1	42.1
7	2.8	0.8	0.7	0.5	0.7	0.8	5.6	3.7	1.9	3.0	4.2	21.2	11.8	13.3	16.3	15.0	14.0	19.1	5.1	2.7	3.0	3.5	4.1	1.3	6.5	21.2
8	1.8	3.8	4.7	3.5	25.2	18.4	21.7	16.0	8.1	29.4	17.8	12.9	18.1	19.3	28.1	22.1	13.3	5.7	8.7	10.3	5.0	3.5	3.1	12.0	13.0	29.4
9	9.6	15.4	28.1	33.0	25.7	22.8	16.8	24.8	26.6	38.1	33.6	23.0	16.4	13.4	8.5	12.7	10.1	7.3	14.2	27.4	13.9	15.9	10.2	11.5	19.1	38.1
10	25.9	28.8	50.8	34.0	35.7	35.3	40.7	32.0	28.3	38.3	20.4	17.3	16.6	30.2	20.0	8.9	14.5	18.2	13.9	7.9	10.7	7.4	9.1	5.6	22.9	50.8
11	15.8	51.0	53.2	30.6	17.2	20.1	23.8	30.8	24.7	15.3	19.2	14.9	14.1	12.3	8.9	11.7	28.8	14.0	12.4	15.6	31.3	42.8	63.5	88.7	27.5	88.7
12	76.6	68.6	87.1	77.6	70.4	42.3	31.9	32.4	34.1	25.0	18.4	25.8	32.4	21.4	15.7	6.8	8.4	12.3	9.4	13.1	37.4	5.4	7.4	4.5	31.9	87.1
13	4.1	4.3	17.4	27.9	33.1	29.8	22.4	39.0	29.7	22.6	18.3	14.7	17.5	11.2	20.6	25.0	27.5	33.2	8.2	22.8	8.5	6.3	3.9	2.9	18.8	39.0
14	1.3	1.2	1.7	1.4	1.5	2.6	13.6	17.3	8.5	12.6	17.5	9.2	6.8	7.9	10.6	11.0	9.4	3.2	4.4	4.0	3.9	8.1	3.6	1.6	6.8	17.5
15	10.1	13.8	6.5	25.8	20.1	20.9	25.1	42.9	24.5	23.2	28.3	27.0	23.8	15.5	27.1	15.3	15.1	12.2	10.7	12.4	7.1	5.7	3.9	7.4	17.7	42.9
16	12.8	27.7	14.7	4.7	5.9	23.4	35.1	40.6	15.1	18.0	14.0	20.9	18.0	11.1	8.1	7.3	8.3	2.6	1.5	6.0	9.4	1.9	2.2	1.7	13.0	40.6
17	1.2	0.8	0.9	8.1	2.3	0.8	1.3	4.8	3.2	5.2	7.2	6.8	16.5	14.6	11.9	5.7	22.7	7.1	5.4	21.6	4.3	2.4	3.3	1.8	6.7	22.7
18	1.8	1.6	1.7	2.8	11.0	19.1	11.8	8.6	4.1	3.4	3.2	5.7	4.8	7.3	9.3	7.9	5.1	3.5	2.9	4.9	4.9	9.0	10.1	26.7	7.1	26.7
19	16.7	41.9	35.0	39.2	37.3	35.8	44.2	44.0	23.4	5.5	6.8	7.8	11.8	11.2	7.5	5.1	10.8	7.6	11.8	8.6	7.8	5.9	8.0	9.1	18.5	44.2
20	8.5	7.1	7.6	6.9	6.6	9.9	11.7	15.4	24.7	13.4	14.0	12.4	9.3	11.8	8.6	11.1	15.9	13.0	15.9	5.6	9.6	7.9	6.8	6.0	10.8	24.7
21	8.4	16.3	42.4	30.1	44.6	34.6	37.8	62.2	52.7	36.5	16.8	13.0	13.9	14.8	16.6	14.9	11.3	7.4	2.3	5.1	11.1	5.5	4.7	4.9	21.2	62.2
22	7.1	8.0	9.4	10.0	8.0	7.2	4.3	1.9	2.1	1.2	1.0	0.5	0.7	1.8	4.1	1.8	2.0	4.0	15.3	6.9	6.3	5.6	2.3	1.9	4.7	15.3
23	2.8	2.0	9.4	25.5	28.2	11.0	17.7	18.4	11.7	15.5	21.0	8.6	2.3	8.3	4.2	10.6	13.7	2.8	1.5	3.7	4.7	8.7	22.2	30.7	11.9	30.7
24	24.8	23.8	22.2	23.7	25.9	28.3	35.1	29.2	19.6	13.2	12.5	12.1	8.0	10.3	16.7	9.0	13.5	6.1	7.9	6.6	4.1	4.0	6.6	8.4	15.5	35.1
25	14.7	30.1	38.3	27.9	29.7	22.8	30.4	28.1	19.4	13.1	8.1	7.7	9.2	9.1	12.9	19.9	5.3	1.3	2.8	9.0	4.0	9.3	28.4	32.3	17.2	38.3
26	8.5	6.2	2.5	3.6	3.5	8.3	25.3	24.1	8.9	3.4	6.1	5.9	8.5	3.8	3.8	3.1	7.4	9.4	16.7	7.5	7.4	13.3	11.5	7.7	8.6	25.3
27	5.3	6.0	3.7	8.0	13.3	25.1	20.4	11.8	16.3	19.6	9.9	10.4	5.9	11.3	17.3	13.7	8.3	17.4	67.0	46.6	26.3	26.3	8.4	11.9	17.1	67.0
28	7.6	20.2	22.2	17.4	18.0	27.0	19.0	40.1	38.2	30.2	27.3	27.1	18.4	21.2	23.2	9.7	26.1	13.9	18.2	13.8	10.7	22.6	19.4	7.4	20.8	40.1
29	3.1	8.3	22.7	19.7	9.1	15.7	15.1	13.7	22.2	18.5	21.1	30.4	25.2	14.0	17.2	17.6	15.6	5.8	5.1	4.7	2.3	1.2	2.1	8.9	13.3	30.4
30	12.2	8.8	8.5	4.8	2.4	8.8	15.9	38.5	24.6	11.7	21.6	25.2	10.8	26.4	31.3	46.4	29.3	32.8	17.1	9.2	4.1	5.0	5.2	8.1	17.0	46.4
31	13.3	7.3	13.3	6.8	3.5	7.1	10.3	23.4	30.1	24.1	26.8	23.8	19.7	21.5	11.1	13.3	9.5	7.2	5.1	6.8	3.4	5.8	5.0	6.0	12.7	30.1
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	30	31	31	31	31	742	100%
MEAN	11.5	15.1	18.2	18.1	18.5	18.8	19.7	23.7	19.5	16.0	14.5	14.5	13.2	13.8	13.6	12.6	13.8	11.0	10.6	10.1	8.6	8.5	9.1	10.8		
MAX	76.6	68.6	87.1	77.6	70.4	42.3	44.2	62.2	52.7	38.3	33.6	30.4	38.0	30.2	31.3	46.4	31.4	33.2	67.0	46.6	37.4	42.8	63.5	88.7		



Number of 24HR Exceedences	1	Proposed Guideline	
Number of Non-Zero Readings	742		
Maximum 1-HR Average	88.7	UG/M3	
Maximum 24-HR Average	31.9	UG/M3	
		Operational Time	742 HRS
Monthly Calibration	0	Operational Uptime	99.7 %
Standard Deviation	12.34	Monthly Average	14.3 UG/M3

Entrance PM_{10} (µg/m^3) – May 2024

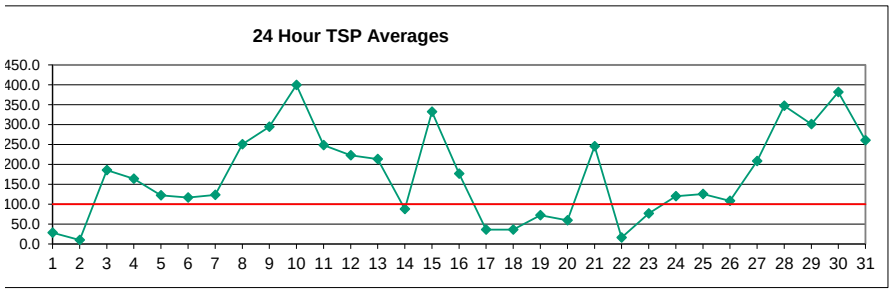
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	26.0	36.8	20.0	56.6	24.0	35.1	27.1	32.5	26.1	27.5	6.2	5.6	4.6	32.4	14.9	X	3.2	2.3	3.3	X	9.5	6.2	4.7	6.3	18.7	56.6
2	10.2	16.1	12.3	6.7	0.4	0.5	2.9	5.8	2.7	1.9	1.3	6.2	8.2	20.4	10.2	6.7	13.2	5.6	13.3	3.6	4.6	7.8	7.1	4.0	7.2	20.4
3	18.4	9.4	8.5	11.7	11.5	21.6	22.8	34.2	56.1	101.2	45.1	132.7	292.6	122.4	105.5	197.0	299.2	242.1	34.3	7.6	17.9	105.2	44.2	11.5	81.4	299.2
4	16.8	18.3	20.1	19.4	24.9	32.3	54.4	163.0	60.6	55.7	143.6	122.8	62.1	110.7	54.2	73.8	173.7	163.1	48.6	33.6	12.3	10.7	29.5	2.8	62.8	173.7
5	3.6	11.4	59.3	8.2	47.9	38.1	13.2	19.4	42.7	38.0	34.6	61.8	66.8	113.2	128.7	64.4	139.8	97.7	126.2	32.7	28.3	13.7	6.3	4.5	50.0	139.8
6	12.1	9.8	8.8	25.2	31.4	29.7	20.6	78.6	282.7	154.1	167.0	25.0	5.4	11.6	67.3	14.8	1.6	1.5	6.1	6.9	3.1	1.9	6.9	12.9	41.0	282.7
7	11.6	2.1	0.9	0.5	0.7	0.8	8.5	14.9	5.0	12.6	29.7	162.3	84.0	93.7	112.1	79.8	134.1	183.8	43.1	24.4	20.5	11.4	6.5	4.6	43.7	183.8
8	7.5	20.8	32.4	20.3	104.8	143.8	249.1	149.0	68.8	273.4	172.5	126.8	131.9	166.2	250.0	177.0	110.5	44.4	73.6	74.8	44.3	13.3	15.9	97.2	107.0	273.4
9	43.3	95.1	163.2	198.7	178.8	149.2	110.4	178.3	182.1	304.7	297.0	195.2	139.5	103.8	60.9	84.8	83.6	52.9	104.6	209.8	107.9	162.2	74.8	69.1	139.6	304.7
10	168.6	196.7	317.4	224.6	239.3	223.9	273.1	252.5	218.9	281.8	167.1	113.3	140.7	296.9	183.5	74.6	135.4	152.9	94.4	40.7	51.5	38.2	43.8	28.8	164.9	317.4
11	90.7	421.6	430.6	236.5	100.2	113.4	125.0	172.2	136.6	80.3	123.7	74.8	82.5	85.5	61.2	69.6	248.1	76.6	64.0	55.6	86.9	83.1	88.3	113.5	134.2	430.6
12	79.5	71.5	234.5	248.7	297.9	152.9	135.6	130.0	141.6	108.0	76.4	196.9	231.1	146.8	128.9	45.1	50.7	56.3	47.7	69.1	226.4	20.3	32.3	16.4	122.7	297.9
13	11.1	11.4	94.8	138.8	178.0	187.8	137.2	279.7	233.3	170.6	125.2	93.1	113.3	80.8	129.5	178.7	213.7	294.8	40.0	102.3	12.7	9.4	5.7	2.9	118.5	294.8
14	1.3	1.2	1.7	1.4	1.7	3.5	20.3	25.9	18.0	82.8	110.2	62.2	45.9	59.6	72.1	93.6	85.1	21.3	32.5	24.5	24.7	38.5	17.1	4.6	35.4	110.2
15	65.1	78.9	45.7	166.5	130.5	160.0	170.2	313.8	182.8	192.1	219.8	220.0	193.6	105.9	222.4	106.8	115.3	87.2	53.0	63.9	37.4	25.3	17.3	35.4	125.4	313.8
16	52.3	41.6	22.0	4.7	8.7	35.1	142.0	224.8	101.2	166.7	129.1	200.5	112.2	83.3	45.3	51.3	57.0	19.6	2.3	28.1	38.9	2.6	3.0	1.7	65.6	224.8
17	1.2	0.8	1.2	11.6	2.3	0.8	1.3	4.8	3.2	5.2	7.2	6.8	22.1	25.3	42.0	20.2	174.0	31.3	24.0	120.8	18.9	3.0	3.5	1.8	22.2	174.0
18	1.8	1.6	1.7	3.5	16.5	28.7	17.7	30.3	18.3	13.8	14.8	30.0	28.7	35.4	37.4	36.3	21.5	11.2	7.7	11.7	8.4	20.3	13.2	40.0	18.8	40.0
19	23.9	62.8	52.5	58.8	55.9	53.6	66.2	173.2	101.0	16.5	16.3	19.3	52.8	39.1	24.5	11.3	62.0	15.1	16.0	8.6	7.8	5.9	8.0	9.1	40.0	173.2
20	8.5	7.1	7.6	6.9	6.6	9.9	11.7	17.7	36.9	19.0	25.8	43.0	33.7	59.2	23.1	37.0	80.3	53.2	95.7	16.8	40.8	12.4	8.9	7.0	27.9	95.7
21	11.0	24.2	63.6	45.2	149.0	192.8	237.2	377.9	322.4	268.1	110.1	107.2	94.6	124.7	118.2	117.9	103.3	46.8	7.1	23.2	37.3	23.5	9.0	4.9	109.1	377.9
22	7.1	8.0	9.4	10.0	8.0	7.2	4.3	2.0	3.0	1.2	1.0	0.5	0.7	1.8	4.4	1.8	2.0	18.6	114.0	10.2	9.0	7.5	2.3	1.9	9.8	114.0
23	2.8	2.0	13.6	38.0	42.3	16.3	26.6	27.5	17.2	79.0	90.6	62.8	2.5	12.0	8.0	62.5	108.8	3.8	1.5	5.4	6.9	10.3	32.8	46.1	30.0	108.8
24	37.2	35.7	33.4	35.5	38.9	42.4	52.7	43.8	68.1	54.7	52.3	60.8	41.3	84.1	124.5	54.5	83.9	31.0	49.3	27.2	10.3	4.2	8.6	12.0	45.3	124.5
25	21.8	45.2	57.5	41.9	44.5	34.1	124.3	143.5	98.4	68.8	53.4	54.2	50.9	65.3	87.1	170.9	31.8	6.4	14.7	46.3	11.8	42.9	139.4	176.1	68.0	176.1
26	43.5	21.9	8.6	12.0	15.1	55.9	150.2	138.6	48.6	23.1	33.4	36.5	56.5	25.7	30.2	28.3	53.5	56.7	100.1	28.2	43.9	71.9	51.6	33.4	48.6	150.2
27	20.5	25.1	16.5	34.9	63.2	128.9	120.9	106.0	126.7	151.4	82.4	84.4	43.3	95.8	130.5	101.9	60.5	105.6	361.7	263.8	159.1	160.9	42.9	63.4	106.3	361.7
28	40.7	109.9	104.4	68.4	109.7	216.7	120.9	265.9	282.2	221.3	214.3	220.0	151.6	163.4	222.1	75.9	223.7	122.5	138.3	87.2	89.8	228.9	160.3	53.3	153.8	282.2
29	10.8	12.5	38.2	133.4	46.9	85.6	111.3	140.3	194.0	166.1	196.1	266.7	256.8	137.7	151.9	153.4	148.5	46.4	40.5	32.0	10.3	5.4	9.8	56.0	102.1	266.7
30	59.8	42.8	49.1	35.2	15.0	44.3	97.2	280.9	219.1	100.5	160.3	204.4	77.5	198.0	257.0	409.6	258.4	307.1	144.9	68.9	25.9	31.9	35.1	43.4	131.9	409.6
31	113.9	44.4	77.4	37.7	18.2	36.9	74.1	179.9	254.6	201.2	221.3	205.0	165.5	194.0	102.1	106.5	71.1	56.4	32.4	46.3	21.9	24.0	29.9	28.7	97.6	254.6
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	30	31	31	31	31	742	100%
MEAN	33.0	48.0	64.7	62.6	64.9	73.6	88.0	129.3	114.6	111.0	100.9	103.3	90.1	93.4	97.1	90.2	108.0	77.9	62.4	52.5	39.6	38.8	30.9	32.0		
MAX	168.6	421.6	430.6	248.7	297.9	223.9	273.1	377.9	322.4	304.7	297.0	266.7	292.6	296.9	257.0	409.6	299.2	307.1	361.7	263.8	226.4	228.9	160.3	176.1		



Number of Non-Zero Readings	742		
Maximum 1-HR Average	430.6 UG/M3		
Maximum 24-HR Average	164.9 UG/M3		
		Operational Time	742 HRS
Monthly Calibration	0	Operational Uptime	99.7 %
Standard Deviation	78.96	Monthly Average	75.3 UG/M3

Entrance TSP (µg/m^3) – May 2024

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	32.1	46.7	25.4	73.0	30.5	45.0	34.8	41.9	40.3	128.0	7.4	6.4	5.3	41.7	19.0	X	3.2	2.3	3.3	X	11.0	6.2	4.7	6.3	27.9	128.0
2	11.8	20.5	14.8	7.0	0.4	0.5	2.9	6.0	2.7	1.9	1.3	7.1	13.3	41.9	20.8	10.1	18.6	5.6	16.1	3.6	4.6	7.8	7.1	4.0	9.6	41.9
3	22.2	11.4	9.4	14.8	13.7	26.3	27.9	44.1	128.0	319.5	95.8	341.1	784.1	351.2	264.7	431.1	617.5	513.6	121.4	27.8	42.2	173.4	50.7	14.0	185.2	784.1
4	20.6	22.7	25.1	24.4	31.6	41.4	86.0	339.0	138.6	147.8	442.7	335.1	163.2	267.1	160.2	240.1	632.2	474.2	159.2	89.0	19.6	12.1	58.4	3.4	163.9	632.2
5	5.4	12.1	75.1	9.1	61.8	49.1	15.8	28.3	80.8	59.2	106.9	169.6	278.8	245.9	293.5	209.8	405.2	317.0	308.5	76.9	81.1	31.6	6.8	4.8	122.2	405.2
6	15.1	11.9	10.4	32.1	40.2	37.9	33.6	218.2	592.9	560.7	648.2	79.0	6.0	38.8	328.0	76.9	1.6	1.5	11.0	7.9	3.4	1.9	16.1	22.2	116.5	648.2
7	33.0	11.6	2.8	0.5	0.7	0.8	11.0	35.6	20.5	54.7	108.8	488.0	219.1	217.8	317.1	152.3	325.2	633.7	172.9	76.2	33.4	12.9	8.0	18.4	123.1	633.7
8	18.0	34.5	42.8	37.4	157.3	362.3	529.5	379.4	219.4	530.0	428.1	311.7	269.1	433.9	624.9	495.5	319.2	134.4	181.3	177.3	101.0	25.1	55.0	143.1	250.4	624.9
9	51.5	152.7	230.6	332.9	362.9	339.4	204.3	336.4	322.4	621.9	827.7	493.6	344.5	239.0	141.0	205.0	214.1	122.6	266.6	484.0	234.6	312.2	116.4	104.4	294.2	827.7
10	302.3	483.8	470.4	580.0	579.8	541.7	669.6	705.8	550.7	648.2	418.3	200.9	351.2	744.0	562.9	237.5	397.6	523.8	269.7	85.9	72.8	76.1	56.4	64.1	399.7	744.0
11	167.3	640.7	819.7	503.8	219.3	215.1	201.0	288.6	214.6	113.2	185.8	107.3	119.9	194.5	138.3	122.2	718.3	190.7	156.4	132.1	185.6	114.8	98.5	113.5	248.4	819.7
12	79.5	71.5	263.9	311.1	479.8	302.0	296.2	227.8	193.6	160.8	107.4	412.8	556.9	323.6	352.8	160.3	130.2	106.4	78.0	105.7	463.6	41.0	62.4	51.3	222.4	556.9
13	14.6	26.7	134.1	161.6	259.5	275.4	187.7	431.6	546.8	397.0	276.2	193.0	226.9	171.9	321.3	392.8	430.8	418.4	40.0	173.6	15.3	11.5	6.6	2.9	213.2	546.8
14	1.3	1.2	1.7	1.4	1.7	3.5	24.2	30.7	24.1	165.2	271.7	172.9	135.7	154.8	218.9	264.7	228.3	70.8	87.8	84.6	68.7	54.0	25.1	8.4	87.6	271.7
15	93.6	156.7	90.7	320.3	322.4	438.4	370.3	659.3	399.0	457.3	571.0	659.5	660.3	375.2	844.0	329.4	511.4	324.9	109.4	95.6	62.9	38.9	23.7	53.8	332.0	844.0
16	60.6	53.5	27.5	4.7	10.1	44.9	256.7	400.0	278.6	654.3	497.4	856.3	242.4	259.7	100.6	145.4	132.4	103.5	3.0	49.1	48.8	2.9	3.0	1.7	176.5	856.3
17	1.2	0.8	1.2	12.7	2.3	0.8	1.3	4.8	3.2	5.2	7.2	6.8	22.1	25.3	44.4	36.3	377.2	45.6	35.5	154.4	57.8	3.1	3.5	1.8	35.6	377.2
18	1.8	1.6	1.7	3.5	20.3	36.3	21.8	43.1	37.2	38.5	46.5	65.0	112.2	117.0	63.6	61.7	30.6	17.7	13.5	16.1	18.4	36.8	13.2	48.9	36.1	117.0
19	27.8	80.1	65.4	74.0	70.5	67.3	84.4	262.6	182.1	34.5	32.2	34.7	140.1	83.5	44.0	28.7	297.2	47.4	29.6	8.6	7.8	5.9	8.0	9.1	71.9	297.2
20	8.5	7.1	7.6	6.9	6.6	9.9	11.7	17.7	42.3	19.0	31.4	64.6	79.8	172.4	34.4	88.5	277.5	118.6	263.2	49.9	82.0	12.4	8.9	7.0	59.5	277.5
21	11.0	27.7	81.2	57.6	271.7	401.4	572.8	979.1	635.9	424.2	273.6	306.0	219.3	387.8	324.4	340.4	315.8	126.0	19.3	23.2	37.3	38.4	17.4	4.9	245.7	979.1
22	7.1	8.0	9.4	10.0	8.0	7.2	4.3	2.0	3.1	1.2	1.0	0.5	0.7	1.8	4.4	1.8	2.0	31.0	236.0	13.0	10.1	7.8	2.3	1.9	15.6	236.0
23	2.8	2.0	16.2	48.3	53.7	17.6	32.2	28.3	17.2	261.6	294.5	244.2	2.5	13.4	13.7	168.6	490.5	5.2	1.5	5.4	7.5	10.3	37.6	53.9	76.2	490.5
24	44.6	41.3	39.6	43.3	48.3	52.9	67.8	56.1	142.6	121.1	132.8	139.3	126.4	306.3	601.2	234.9	346.5	105.4	125.0	59.2	12.0	4.2	8.6	12.3	119.7	601.2
25	25.8	58.0	74.0	53.4	56.7	43.2	145.2	205.8	140.4	105.0	121.3	142.3	109.6	201.4	235.0	610.3	82.5	28.2	32.3	70.8	23.6	50.0	187.4	213.0	125.6	610.3
26	69.5	24.1	13.6	16.0	33.6	103.7	242.3	265.0	101.0	57.3	108.9	86.7	149.8	84.5	119.2	146.1	161.9	150.6	257.9	57.4	124.7	125.1	60.4	38.4	108.2	265.0
27	22.5	30.5	26.9	43.2	91.5	236.7	260.8	322.4	291.2	420.9	274.7	249.1	160.1	302.3	358.7	313.0	170.5	197.7	432.9	294.7	160.9	175.3	61.7	97.9	208.2	432.9
28	84.3	160.9	161.9	93.9	200.4	328.1	199.1	593.9	531.1	339.9	380.2	545.7	360.9	373.3	417.1	242.8	669.9	358.5	378.2	184.3	171.1	733.4	635.0	190.5	347.3	733.4
29	34.5	15.6	50.9	194.7	80.9	130.1	232.5	376.5	540.0	450.0	635.3	931.1	929.8	525.6	530.7	488.8	557.0	157.1	115.3	109.0	24.7	12.0	19.2	91.4	301.4	931.1
30	79.6	55.6	80.7	91.0	44.0	77.3	233.5	740.8	591.8	294.0	415.0	598.3	237.7	502.1	786.4	1319.9	832.1	1120.2	542.7	227.3	59.5	67.0	83.2	81.4	381.7	1319.9
31	216.8	73.2	122.1	65.3	38.3	76.9	172.8	468.1	585.8	603.9	630.4	552.9	510.3	647.5	339.8	334.2	214.5	181.8	94.4	131.2	64.1	46.9	44.0	40.5	260.7	647.5
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	30	31	31	31	31	742	100%
MEAN	50.5	75.6	96.7	104.1	116.1	139.1	168.8	275.4	245.1	264.4	270.3	283.9	243.2	253.1	278.2	263.0	319.7	214.0	147.2	102.5	74.5	72.6	57.7	48.7		
MAX	302.3	640.7	819.7	580.0	579.8	541.7	669.6	979.1	635.9	654.3	827.7	931.1	929.8	744.0	844.0	1319.9	832.1	1120.2	542.7	484.0	463.6	733.4	635.0	213.0		



Number of 24HR Exceedences	22	Proposed Guideline	
Number of Non-Zero Readings	742		
Maximum 1-HR Average	1319.9	UG/M3	
Maximum 24-HR Average	399.7	UG/M3	
		Operational Time	742 HRS
Monthly Calibration	0	Operational Uptime	99.7 %
Standard Deviation	203.3	Monthly Average	173.5 UG/M3