LAFARGE CANADA INC.

AMBIENT AIR QUALITY MONTHLY REPORT

JULY 2024

AUGUST 27, 2024

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JULY 2024

LAFARGE CANADA INC.

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

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August 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 – July 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 July 2024.

Lagoon	Data Completeness (%)	1-Hour Average	24-hour Average
		Exceedances of AAAQO or AAAQG	Exceedances of AAAQO
TSP	99.5%	-	4
$PM_{2.5}$	100.0%	4	3
PM_{10}	100%	-	-
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 July 2024.

Windridge	Data Completeness (%)	1-Hour Average	24-hour Average	
		Exceedances of AAAQG	Exceedances of $PM_{2.5}$ AAAQO	Exceedances of TSP AAAQO
TSP	100.0	-	-	9
$PM_{2.5}$	100.0	3	3	-
PM_{10}	100.0	-	-	-

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 July 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	62.5%	2	1	0
Berm	31.5%	19	3	6
Entrance	87.9%	22	12	25

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

August 27, 2024

Yuhao Hua, M.A.Sc., M.Sc.
Air Quality Specialist
Vancouver Region, Environment

Date

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

August 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 July 1, 2024 and July 31, 2024.

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

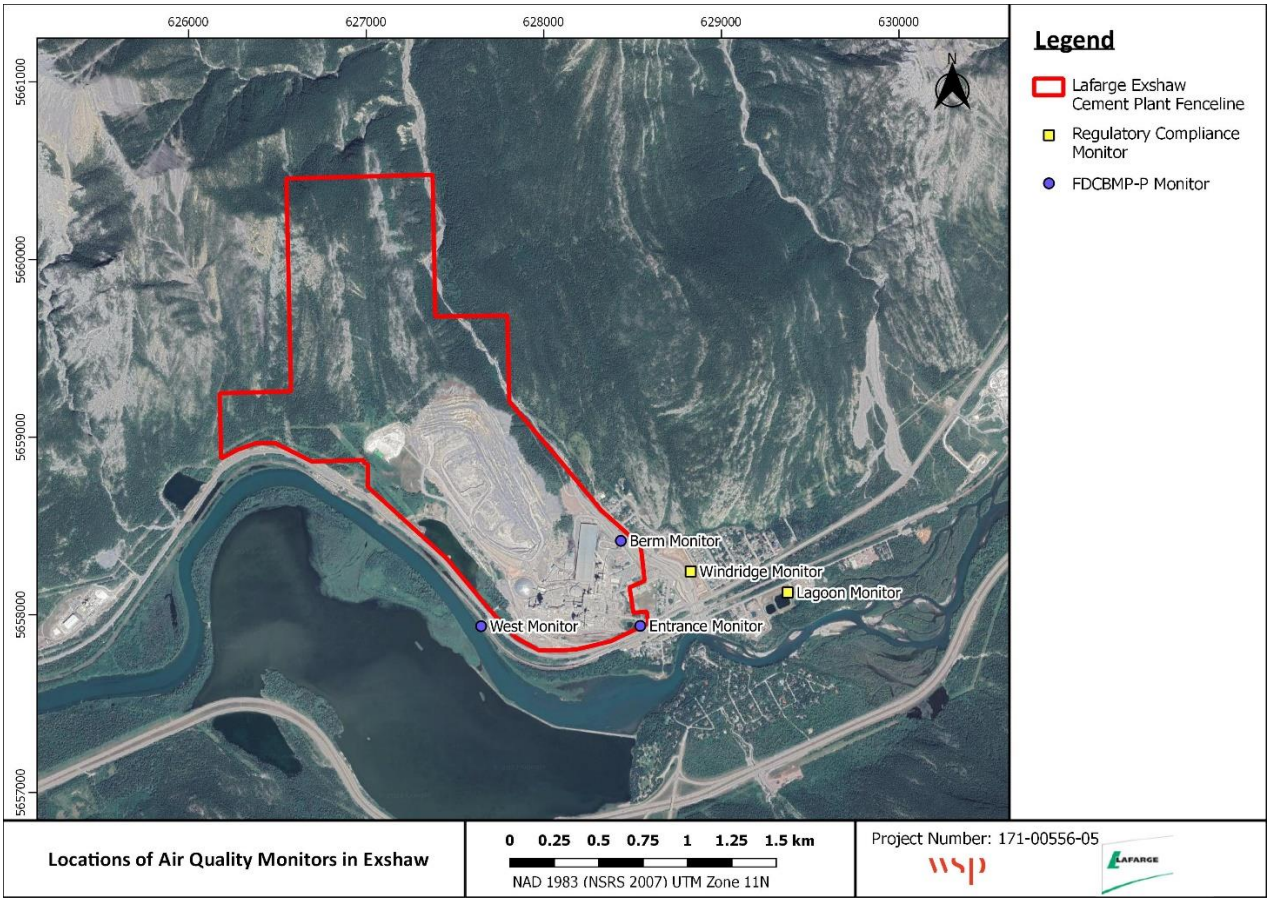

Figure 1-1 Locations of Air Quality Monitors in Exshaw

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

1.2 WILDFIRE IMPACT ON WATER VALLEY AIRSHED

During the month of July regional wildfire activity, including smoke impacts from Alberta and British Columbia had an impact on air quality in the Exshaw airshed. Wildfires produce a large amount of suspend particulate matter which can affect air quality and result in AAAQO and AAAQG exceedances. The majority of $PM_{2.5}$ exceedances during the month of July can be attributed to smoke from a regional wildfire, and not specific industrial operations from Lafarge Exshaw.

2 JULY 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	26.0	0	11.1	-
SO_2 (ppb)	100.0	8.4	0	2.5	0
$PM_{2.5}$ (µg/m^3)	100.0	119.8	4[1]	39.7	3
PM_{10} (µg/m^3)	100.0	206.0	-	77.0	-
TSP (µg/m^3)	99.5	409.4	-	120.8	4
Temperature (°C)	100.0	33.5	-	24.8	-
Wind Speed (km/hr) /Direction (Degrees)	100.0	33.9/W	-	23.1/WSW	-
Precipitation (mm)	100.0	2.8[2]	-	13[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 3 days exceeding the 24-hour $PM_{2.5}$ AAAQO due to regional wildfire activities.
- There were 4 hours exceeding the 1-hour $PM_{2.5}$ AAAQG due to regional wildfire activities.
- There were 4 days exceeding 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 July.
- The $PM_{2.5}$ and PM_{10} analyzer recorded 100% uptime for the month of July.
- The meteorological sensors recorded 100% uptime for the month of July.
- The TSP analyzer recorded 99.5% uptime for the month of July due to 4 hours of equipment malfunction occurring on July 2nd, 3rd, 23rd, and 31st at 2:00.

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)	100.0	112.0	3*	36.1	3
PM_{10} (µg/m³)	100.0	485.0	-	182.4	-
TSP (µg/m³)	100.0	965.0	-	318.5	9

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

Data Quality Notes:

- There were 3 days exceeding the 24-hour $PM_{2.5}$ AAAQO due to regional wildfire activities.
- There were 3 hours exceeding the 1-hour $PM_{2.5}$ AAAQG due to regional wildfire activities.
- There were 9 days exceeding the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- At the Windridge station, the TSP, PM_{10} and $PM_{2.5}$ analyzer recorded 100% uptime for the month of July.

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/m³)	62.5	106.6	2*	31.6	1
PM_{10} (µg/m³)	62.5	142.0	-	34.0	-
TSP (µg/m³)	62.5	142.0	-	34.0	0

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

Data Quality Notes:

- There was 1 day exceeding the 24-hour $PM_{2.5}$ AAAQO due to regional wildfire activities.
- 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:

- At the West station, the TSP, PM_{10} and $PM_{2.5}$ analyzer recorded 62.5% uptime for the month of July due to 279 hours of out for repair occurring from the beginning of the month to July 12th at 15:00.

2.4 BERM GRIMM

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

Table 2-4 Berm station data summary

Parameter	Data Completeness (%)	1-Hour Average		24-hour Average	
		Maximum Concentration	Exceedances of AAAQG	Maximum Concentration	Exceedances of AAAQO
$PM_{2.5}$ (µg/m³)	31.5	192.6	19*	69.2	3
PM_{10} (µg/m³)	31.5	1527.6	-	482.9	-
TSP (µg/m³)	31.5	3794.2	-	1413.4	6

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

Data Quality Notes:

- There were 3 days exceeding the 24-hour $PM_{2.5}$ AAAQO due to regional wildfire activities.
- There were 19 hours exceeding the 1-hour $PM_{2.5}$ AAAQG due to regional wildfire activities.
- There were 6 hours exceeding the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- At the Berm station, the TSP, PM_{10} and $PM_{2.5}$ analyzer recorded 31.5% uptime for July due to 278 hours of out for repair and 232 hours of equipment malfunction spanning the entire month.

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 2-45 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)	87.9	212.4	22*	62.5	12
PM_{10} (µg/m^3)	87.9	1511.3	-	284.9	-
TSP (µg/m^3)	87.9	1793.3	-	585.3	25

* 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 12 days exceeding the 24-hour $PM_{2.5}$ AAAQO. The exceedances from July 23rd to July 26th weredue to regional wildfire activities.
- There were 22 hours exceeding the 1-hour $PM_{2.5}$ AAAQG. The exceedances from July 23rd to July 25th were due to regional wildfire activities.
- There were 25 days exceeding the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- The analyzer had 87.9% uptime for the month of July due to 90 hours of equipment malfunction occurring on July 20st at 24:00 and from July 28th at 8:00 until the end of the month.

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 July 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 July 4th. The monitor had 100% uptime for the month of July.
PM_{10} Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The PM_{10} monitor was calibrated on July 4th. The monitor had 100% uptime for the month of July.
TSP Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The TSP monitor was calibrated on July 4th. The monitor had 99.5% uptime for the month of July due to 4 hours of equipment malfunction occurring on July 2nd, 3rd, 23rd, and 31st at 2:00..
Oxides of Nitrogen	TEI 42C	The NO_x monitor was calibrated on July 15th. The monitor had 100% uptime for the month of July.
Sulphur Dioxide	Teledyne API 102A	The SO_2 monitor was calibrated on July 15th. The monitor had 100% uptime for the month of July.
Precipitation	MetOne 130 Rain/Snow Gauge	The monitor had 100% uptime for the month of July.
Wind Speed	MetOne Wind Sensor	The monitor had 100% uptime for the month of July.
Wind Direction		

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

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 July 2024, and Table 4-3 the recorded exceedances. 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 July 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 4 exceedances of the 24-hour TSP AAAQO (100 µg/m^3). There were 3 exceedances the 24-hour $PM_{2.5}$ AAAQO (29 µg/m^3). Further, there were 4 exceedances of the 1-hour $PM_{2.5}$ AAAQG (80 µg/m^3) at the station this month due to wildfire smoke.

Historically in July, the average number of 24-hour TSP AAAQO exceedances and 24-hour $PM_{2.5}$ AAAQO exceedances are 1 and 2 respectively. The maximum number of 24-hour TSP AAAQO exceedances recorded in July was 5 days in 2021. The maximum number of 24-hour $PM_{2.5}$ AAAQO exceedances recorded in July was 3 days in 2021.

At the Lagoon station strong wind gusting that typically occurs in the area contributes to increased particulate levels that mayarise 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 July 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	-	0.7	7.6	26.0	11	10	5.7	252.8	11.1	7	100.0
SO_2 (ppb)	172	48	Lagoon	0	0	0.0	1.0	8.4	24	11	9.1	260.7	2.5	31	100.0
$PM_{2.5}$ ($\mu g/m^3$)	80	29	Lagoon	4	3	0.0	14.2	119.8	25	11	17.5	79.2	39.7	24	100.0
PM_{10} ($\mu g/m^3$)	-	-	Lagoon	-	-	0.0	38.3	206.0	10	14	19.8	259.1	77.0	24	100.0
TSP ($\mu g/m^3$)	-	100	Lagoon	-	4	5.8	63.2	409.4	10	14	19.8	259.1	120.8	10	99.5
Temperature (°C)	-	-	Lagoon	-	-	9.1	20.0	33.5	9	17	9.6	249.9	24.8	10	100.0
Wind Speed (km/hr)/Direction (degrees)	-	-	Lagoon	-	-	0.0	11.8	33.9/W	25	16	33.9	233.7	23.1/WSW	26	100.0
Precipitation (mm)	-	-	Lagoon	-	-	0.0	0.0[1]	2.8	1	9	2.9	286.8	13.0[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

Table 3-3-3 Days exceeding the TSP AAAQO or $PM_{2.5}$ AAAQO at the Lagoon 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)
Trailer						
2024-07-10	120.8	-	252.3	12.5	32.3	
2024-07-23	125.5	31.5	240.4	11.0	35.3	Regional wildfire activities
2024-07-24	116.3	39.7	243.0	11.5	36.5	Regional wildfire activities
2024-07-25	-	37.6	224.7	21.7	58.7	Regional wildfire activities
2024-07-26	106.5	-	249.0	23.1	35.8	High wind event
2024-07-31	145.2	-	253.4	16.2	36.4	
Total # of Exceedances	**5**	**3**				
Maximum # of Exceedances (July)	**5 (2021)**	**16 (2021)**				
Average # of Exceedances (July)	**1**	**2**				
Minimum # of Exceedances (July)	**0 (2010, 2012, 2015, 2016, 2017, 2018, 2019, 2020)**	**0 (2010, 2011, 2012, 2013, 2015, 2016, 2018, 2019, 2020, 2022)**				

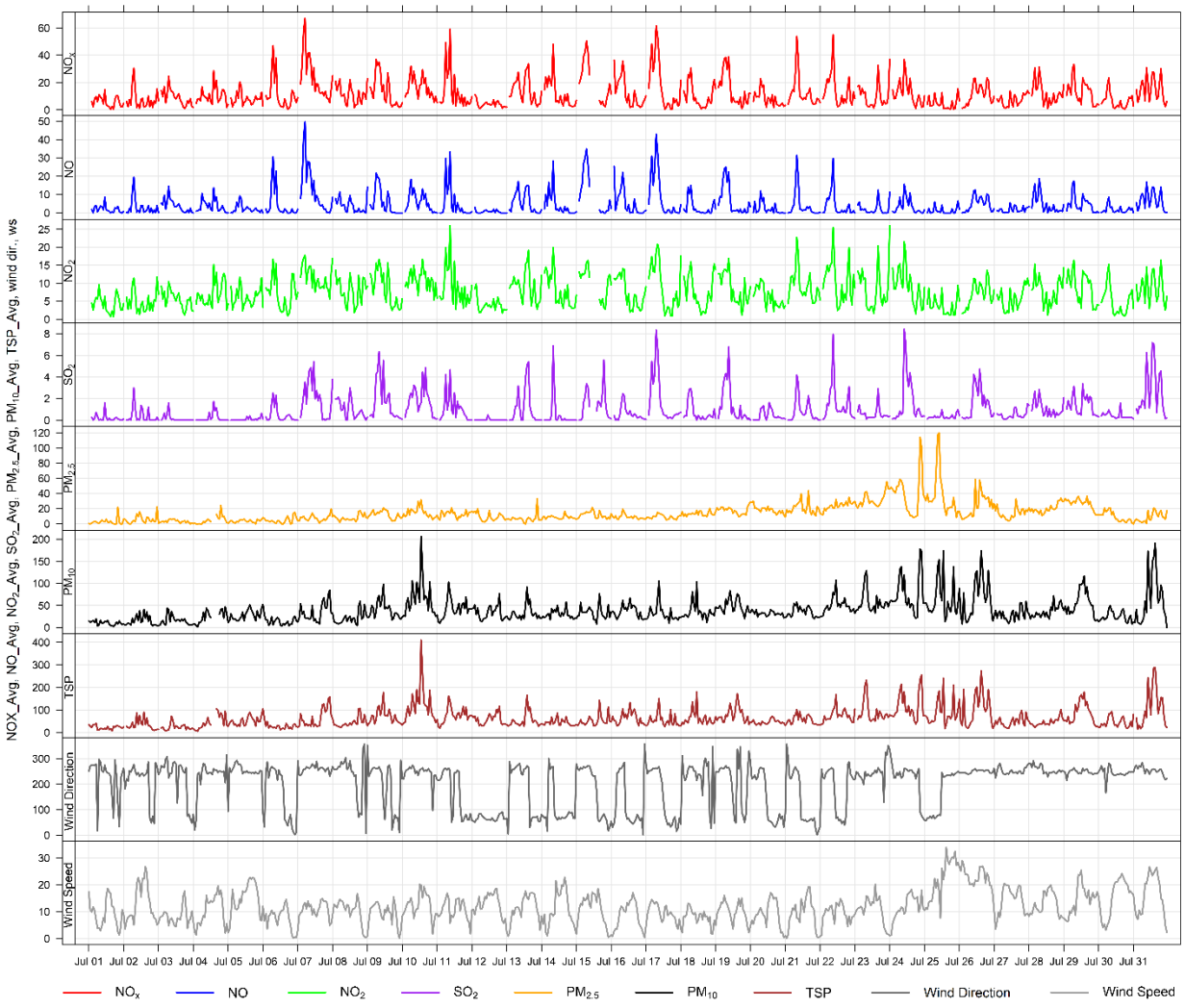

Figure 3-2 **1-hour concentrations of NO_x, SO_2, particulate matter, wind direction and wind speed at the Lagoon station**

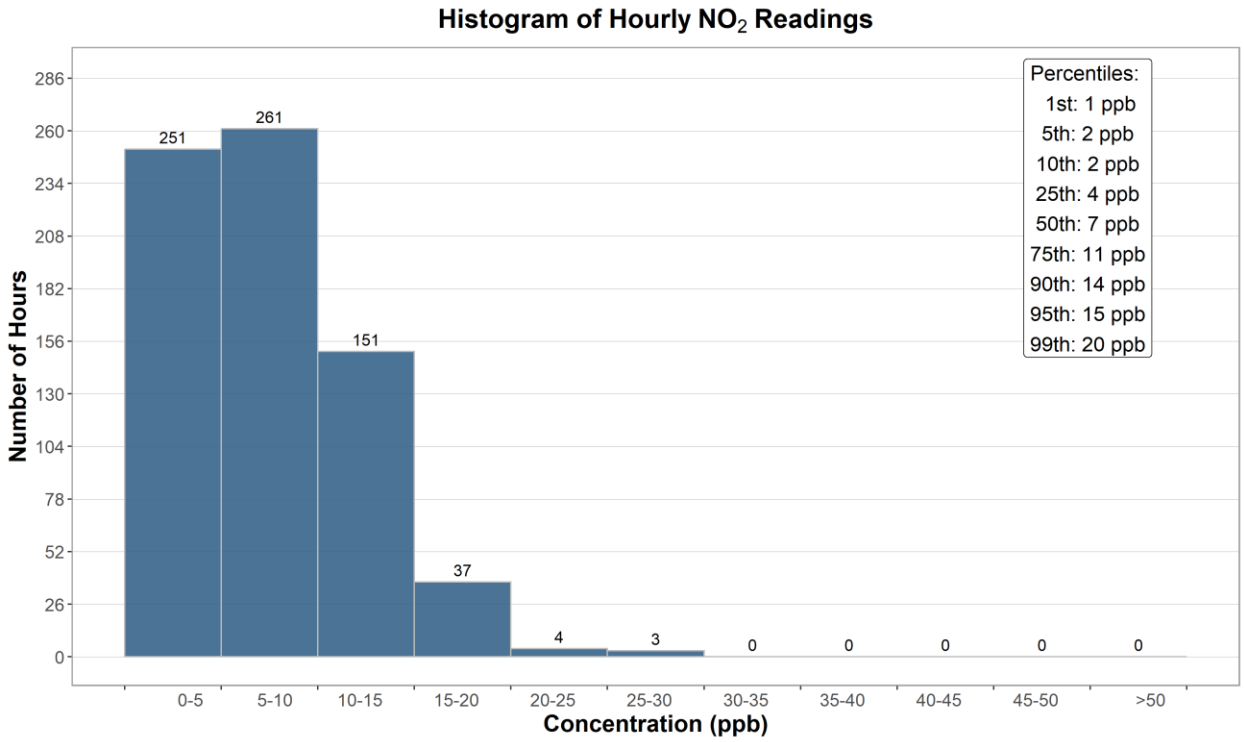

Figure 3-3 Histogram of hourly NO_2 concentrations at the Lagoon station

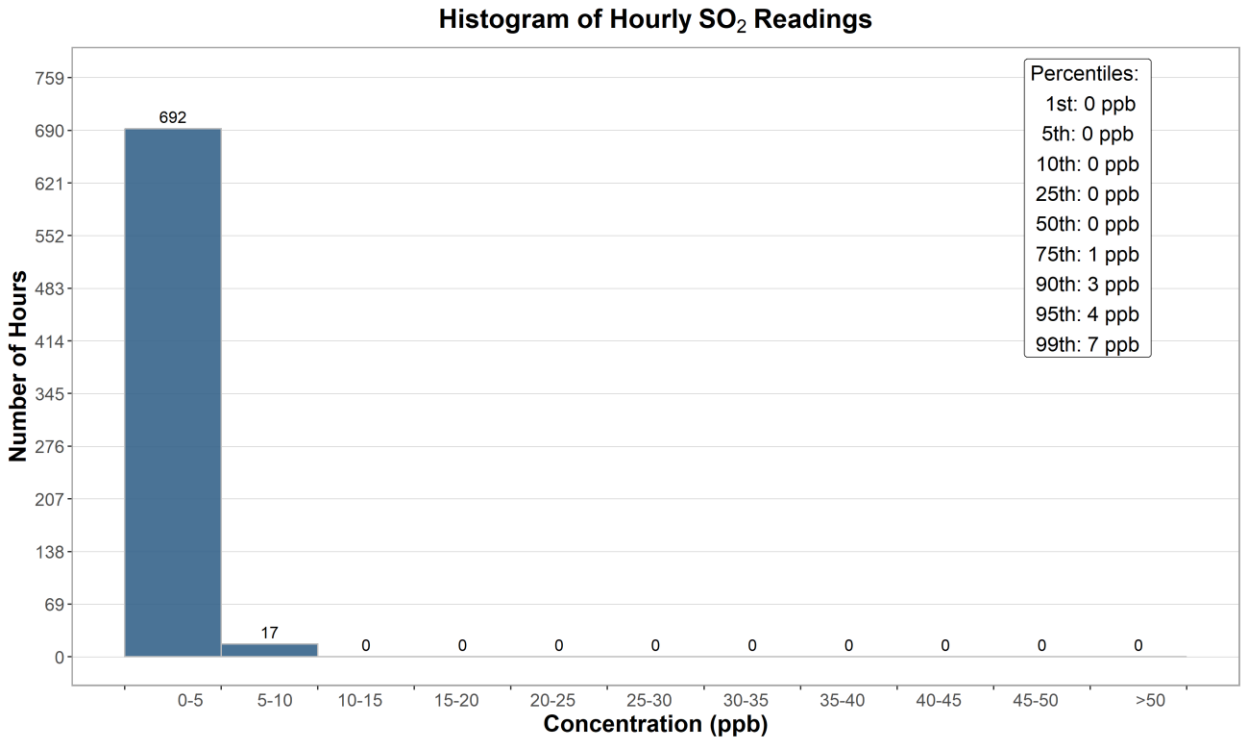

Figure 3-4 Histogram of hourly SO_2 concentrations at the Lagoon station

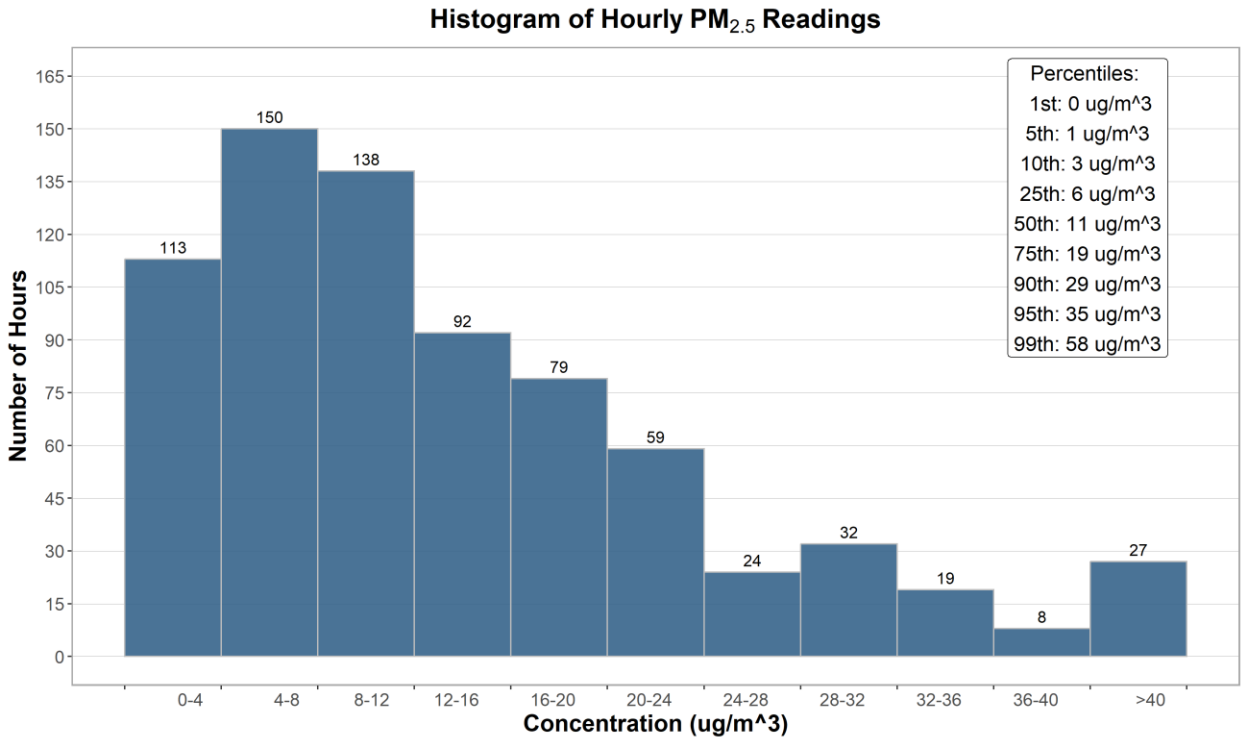

Figure 3-5 Histogram of hourly $PM_{2.5}$ concentrations at the Lagoon station

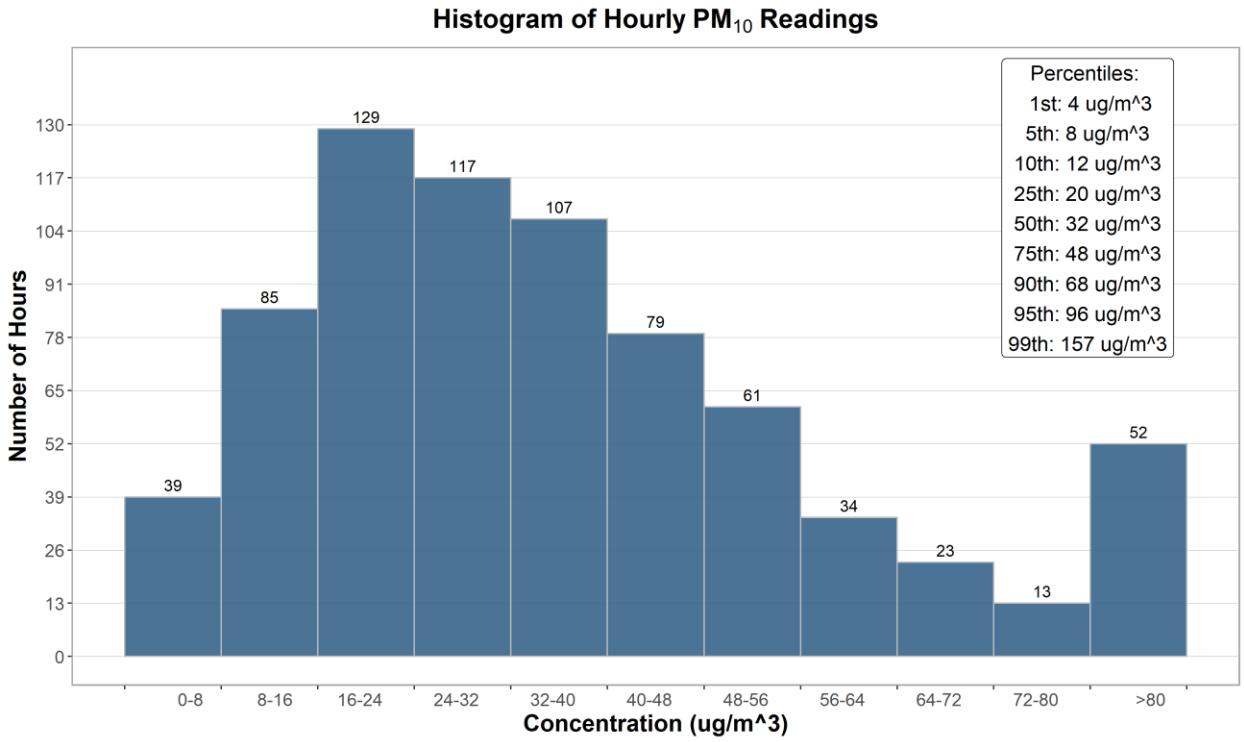

Figure 3-6 Histogram of hourly PM_{10} concentrations at the Lagoon station

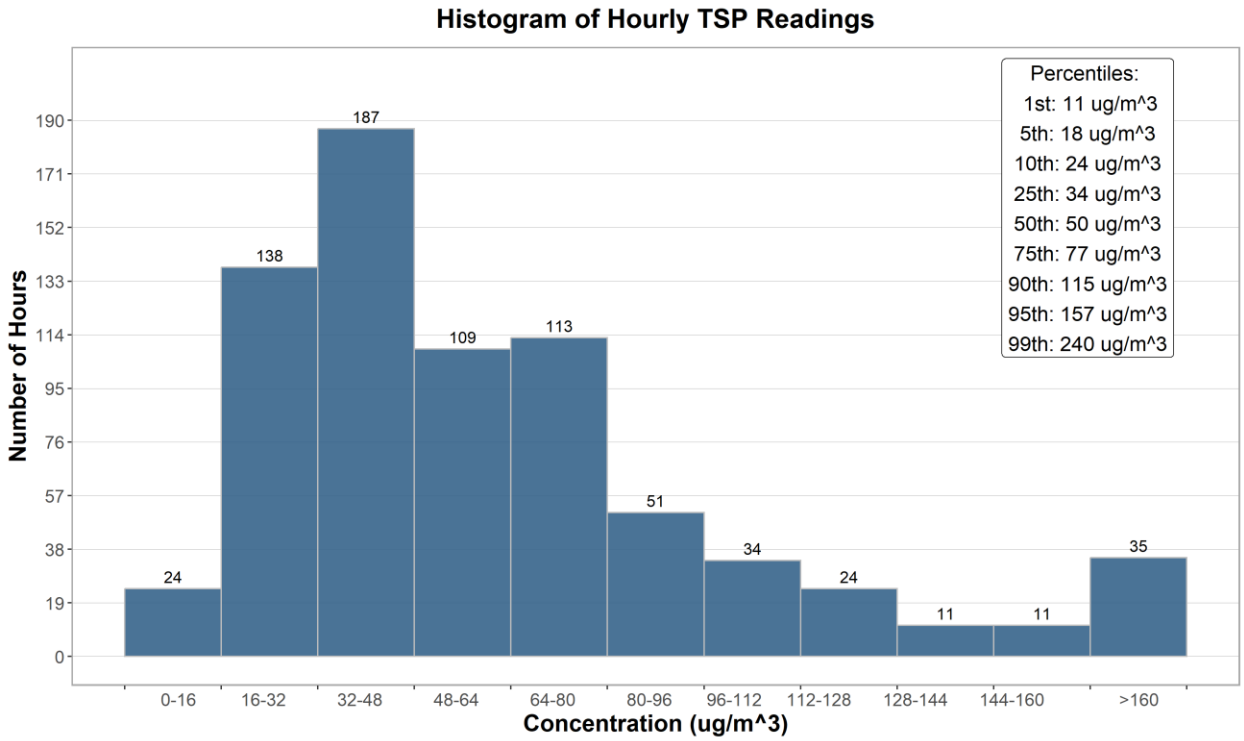

Figure 3-7 Histogram of hourly TSP concentrations at the Lagoon station

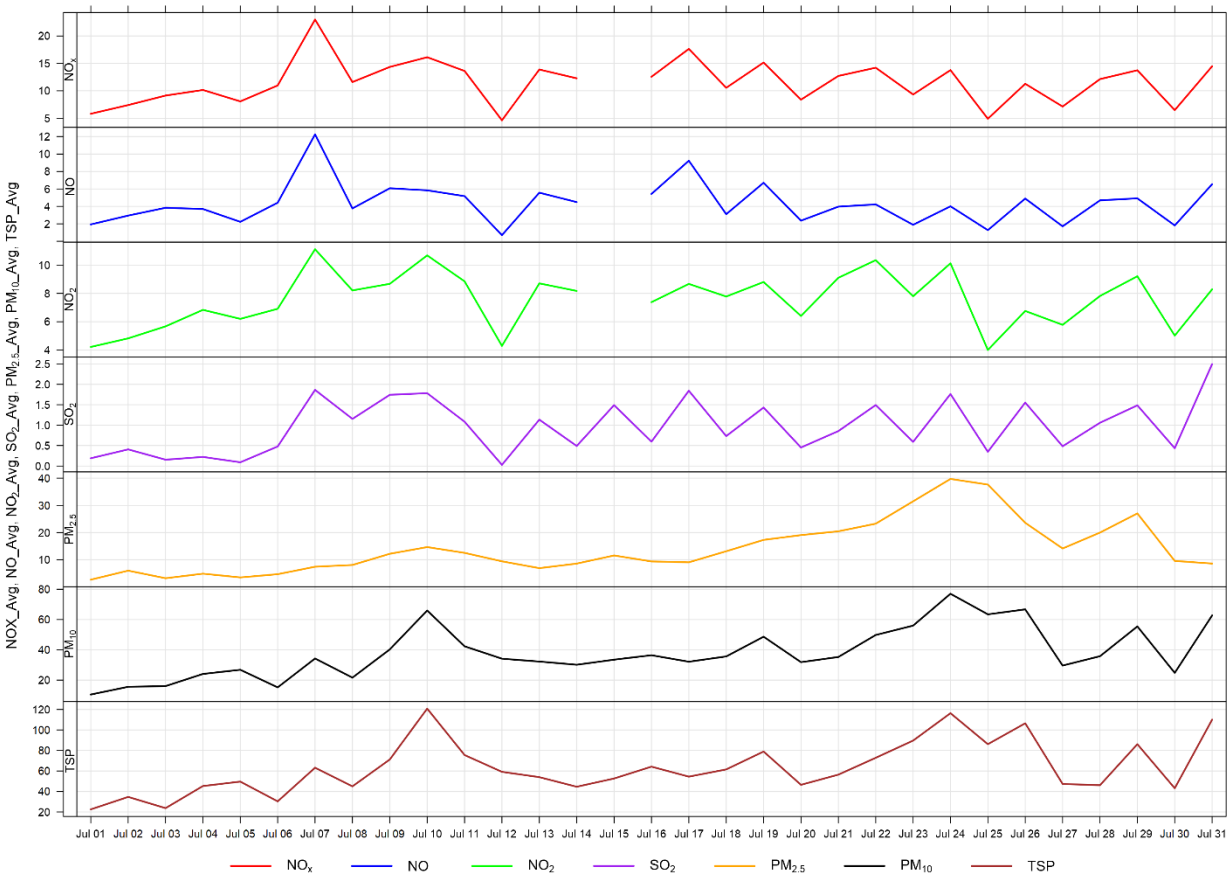

Figure 3-8 24-hour concentrations of NO_x, SO_2, and particulate matter at the Lagoon monitor

Figure 3-9 shows the wind rose for the 5 days of TSP exceedances. The wind rose shows that the winds predominately came from the southwest direction. This month many of the TSP exceedances were driven by windblown fugitive dust, and winds from the southwest which suggest impacts from the Lafarge Facility.

Figure 3-10 Wind rose for $PM_{2.5}$ exceedance days recorded at the Lagoon Station shows the wind rose for the 3 days of $PM_{2.5}$ exceedances. The wind rose shows that the winds predominately came from the southwest direction. This month many of the exceedances were largely driven by wildfire activity.

Figure 3-11 through Figure 3-13 show the variation in concentrations over various time averaging periods for PM, SO_2 and NO_x. The particulate matter plot in Figure 3-11 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 3-12 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 3-13 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.

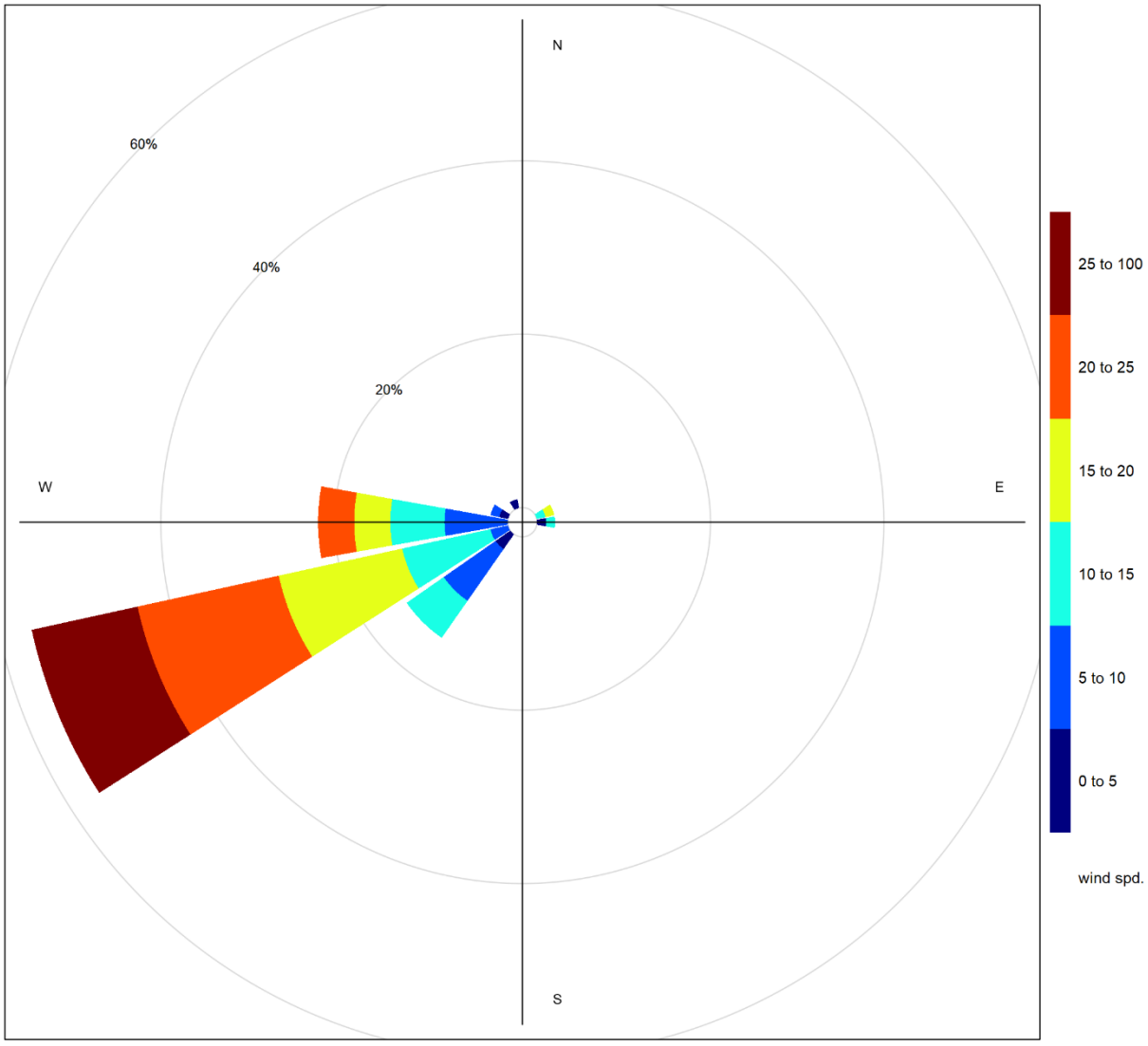

Figure 3-9 Wind rose for TSP exceedance days recorded at the Lagoon Station

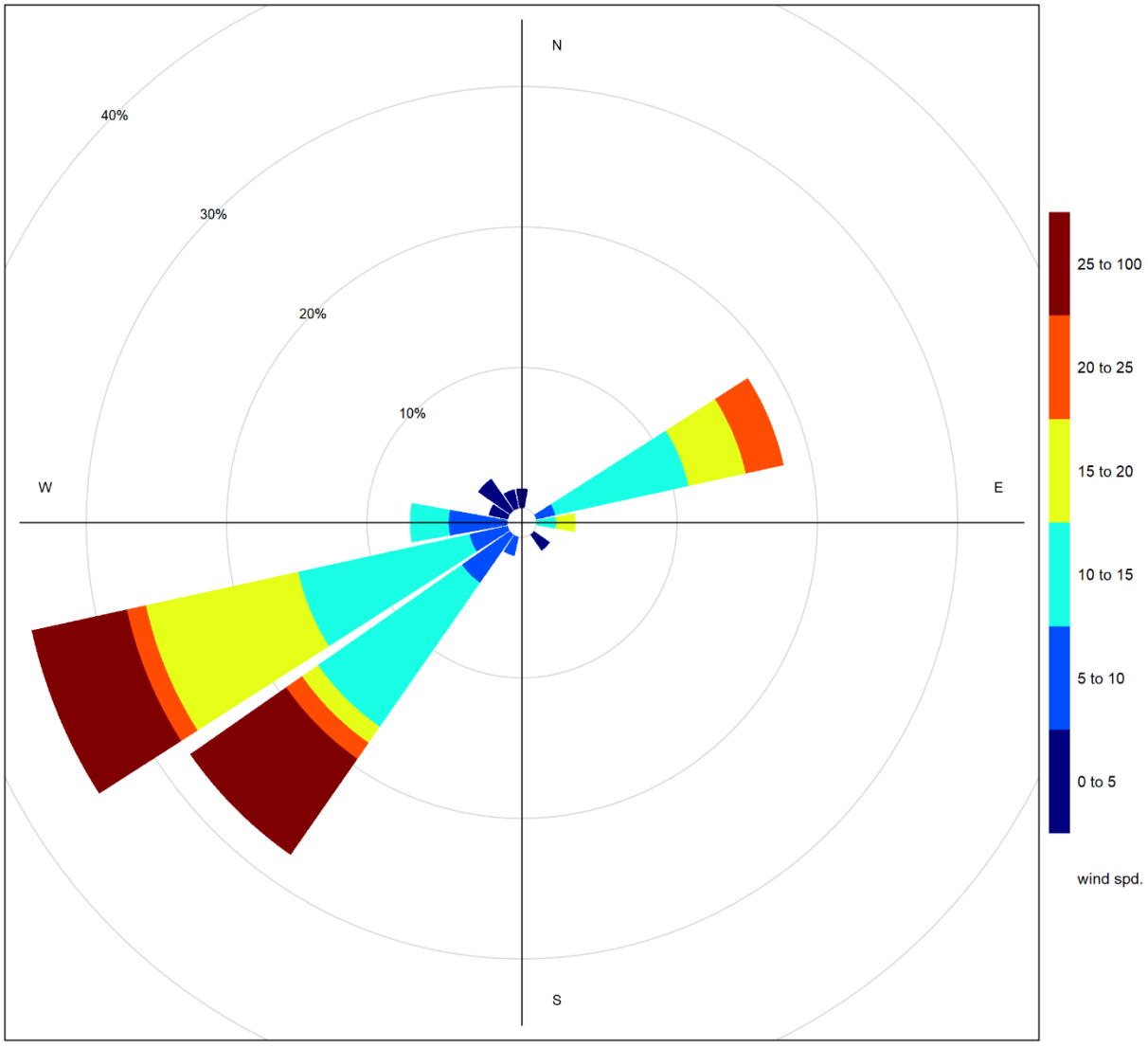

Figure 3-10 Wind rose for $PM_{2.5}$ exceedance days recorded at the Lagoon Station

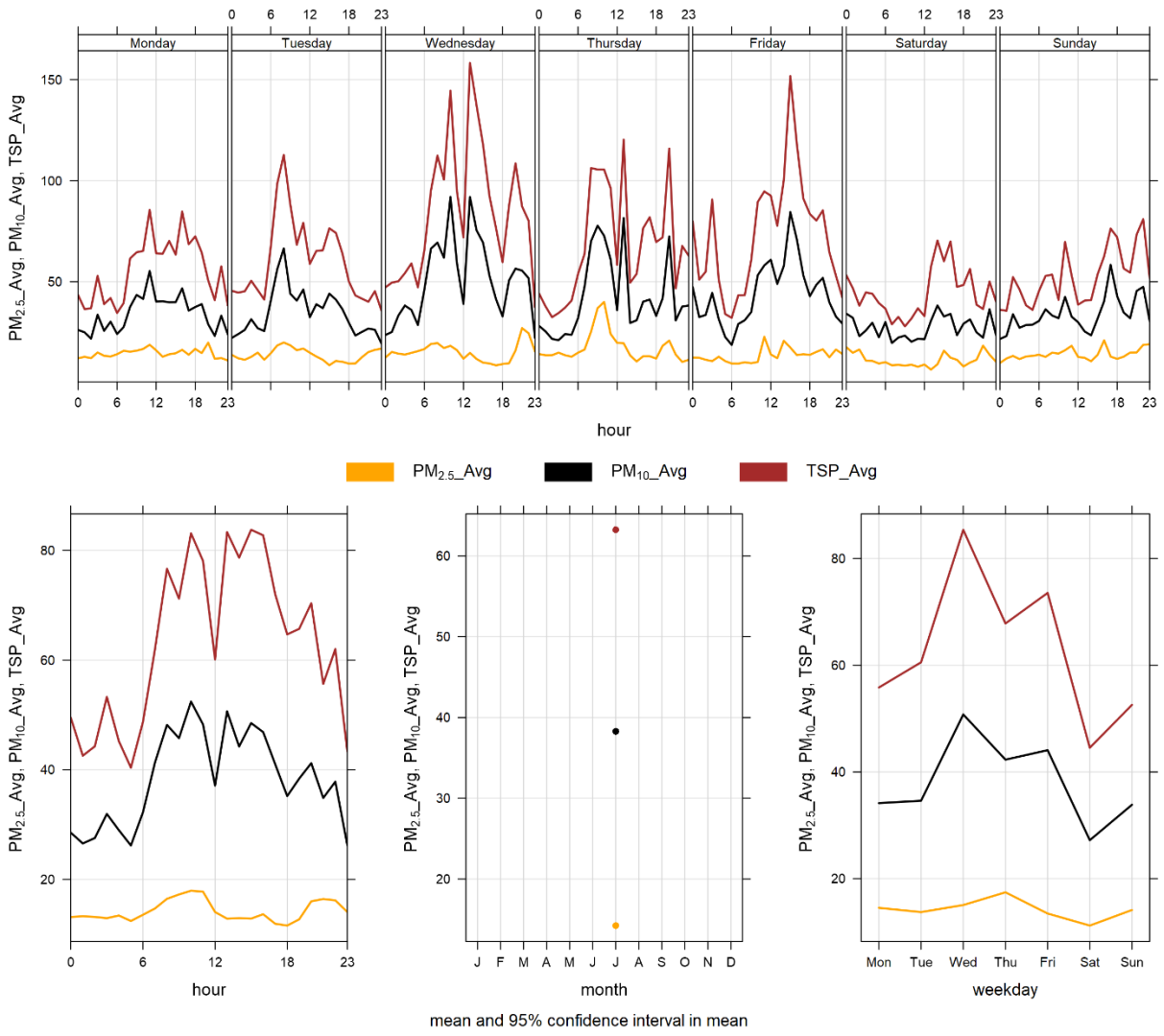

Figure 3-11 Lagoon monitor particulate matter time variation

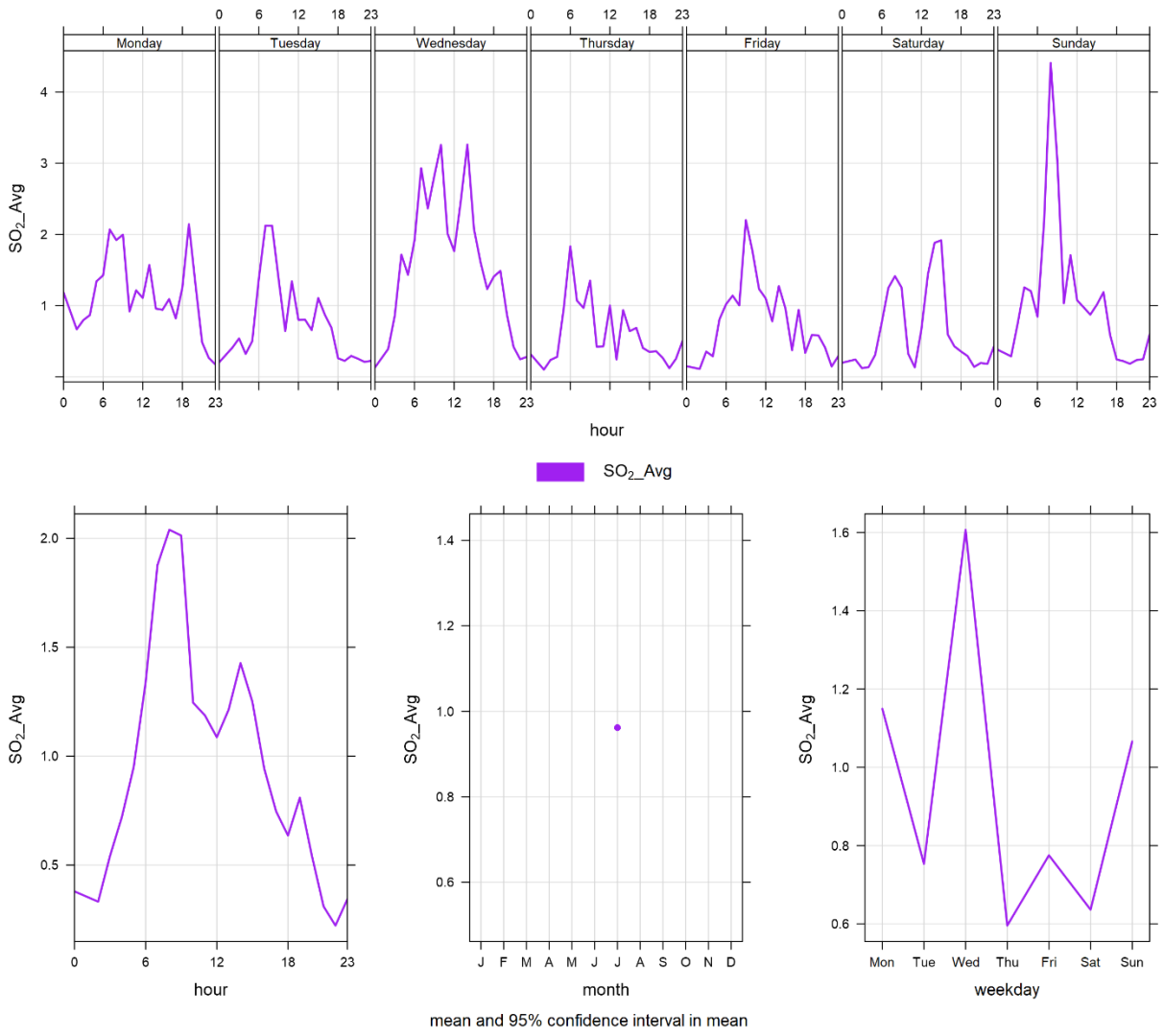

Figure 3-12 Lagoon monitor SO_2 time variation

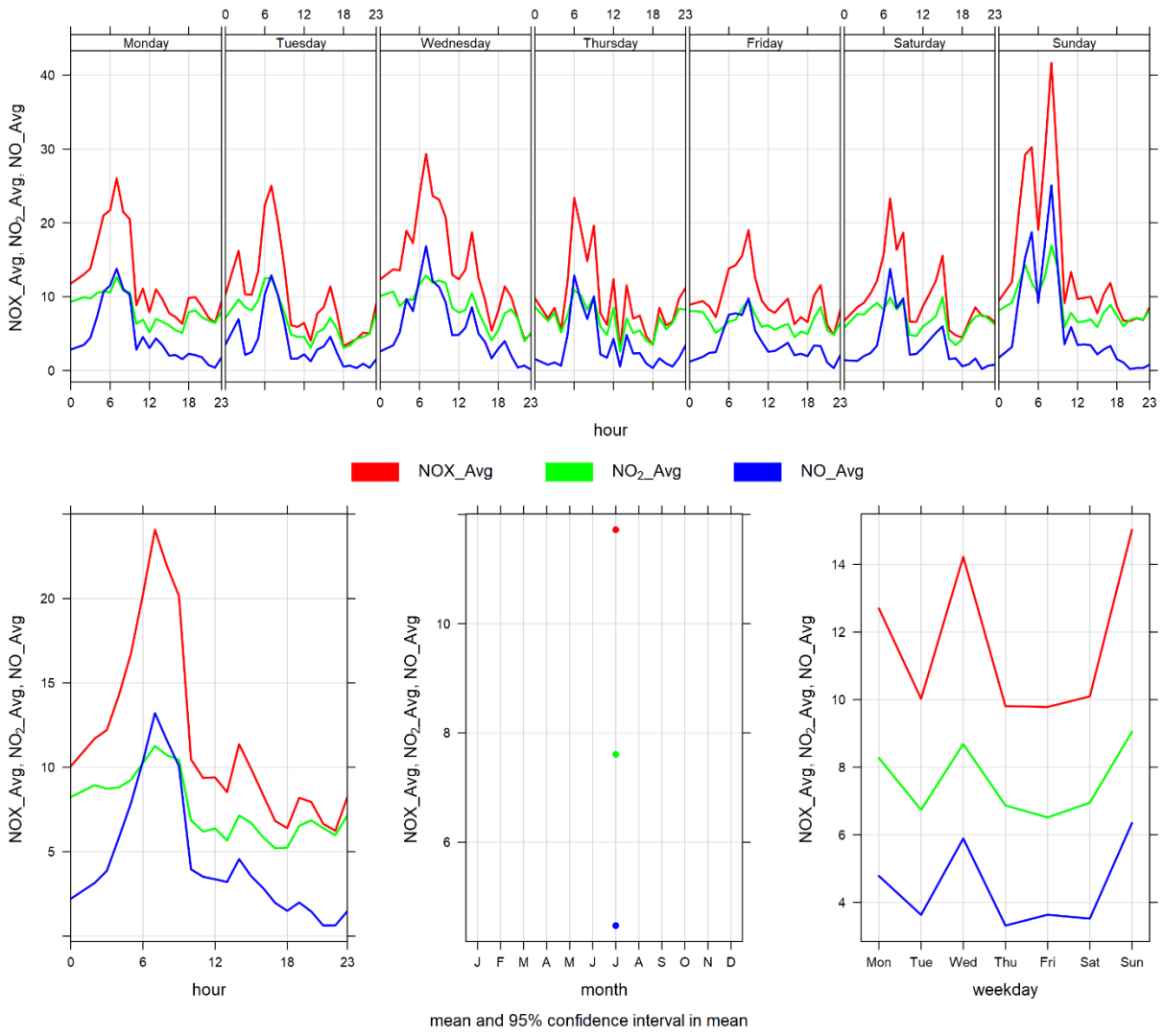

Figure 3-13 Lagoon monitor NO_x time variation

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 July 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 July 4th. The monitor had 100% uptime for the month of July.
PM_{10} Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The PM_{10} monitor was calibrated on July 4th. The monitor had 100% uptime for the month of July.
TSP Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The TSP monitor was calibrated on July 4th. The monitor had 100% uptime for the month of July.

4.2 MONITORING RESULTS AND TRENDS

Table 4-2 summarizes the hourly and daily concentrations recorded in July 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 4-8 illustrates the time series for hourly PM over different time periods.

There were 9 exceedances of the 24-hour TSP AAAQO. There were 3 exceedances of the 24-hour $PM_{2.5}$ AAAQO and 3 exceedances of the 1-hour $PM_{2.5}$ AAAQG due to wildfire smoke.

Historically in July, the average number of 24-hour TSP AAAQO exceedances and 24-hour $PM_{2.5}$ AAAQO exceedances is 2 and 5, respectively. The maximum number of 24-hour TSP AAAQO exceedances recorded in July was 4 days in 2021 and 2023. The maximum number of 24-hour $PM_{2.5}$ AAAQO exceedances recorded in July was 16 days in 2021.

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 contribute to an increase in TSP levels. Further, the strong wind gusting that occurred in July would have contributed to increased particulate levels that have arisen from multiple sources: Lafarge Plant, Exshaw Creek, dry sections of the Bow River, and open areas.

Table 4-2 Summary of July 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	3	3	0.0	13.3	112.0	25	10	21.9	76.3	36.1	25	100.0
PM_{10} ($\mu g/m^3$)	-	-	Windridge	-	-	2.0	54.6	485.0	25	24	28.3	250.0	182.4	26	100.0
TSP ($\mu g/m^3$)	-	100	Windridge	-	9	1.0	87.7	965.0	25	20	30.3	242.6	318.5	26	100.0

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						
2024-07-05	121.8	-	252.8	14.9	39.1	
2024-07-10	143.2	-	252.3	12.5	32.3	
2024-07-23	145.8	29.9	240.4	11.0	35.3	Regional wildfire activities
2024-07-24	161.0	34.9	243.0	11.5	36.5	Regional wildfire activities
2024-07-25	229.3	36.1	224.7	21.7	58.7	Regional wildfire activities
2024-07-26	318.5	-	249.0	23.1	35.8	High wind event
2024-07-27	119.0	-	249.0	14.2	40.7	
2024-07-29	122.2	-	247.3	14.5	38.0	
2024-07-31	259.5	-	253.4	16.2	36.4	
Total # of Exceedances	**9**	**3**				
Maximum # of Exceedances (July)	**4 (2021, 2023)**	**16 (2021)**				
Average # of Exceedances (July)	**2**	**5**				
Minimum # of Exceedances (July)	**0 (2018)**	**0 (2018, 2022)**				

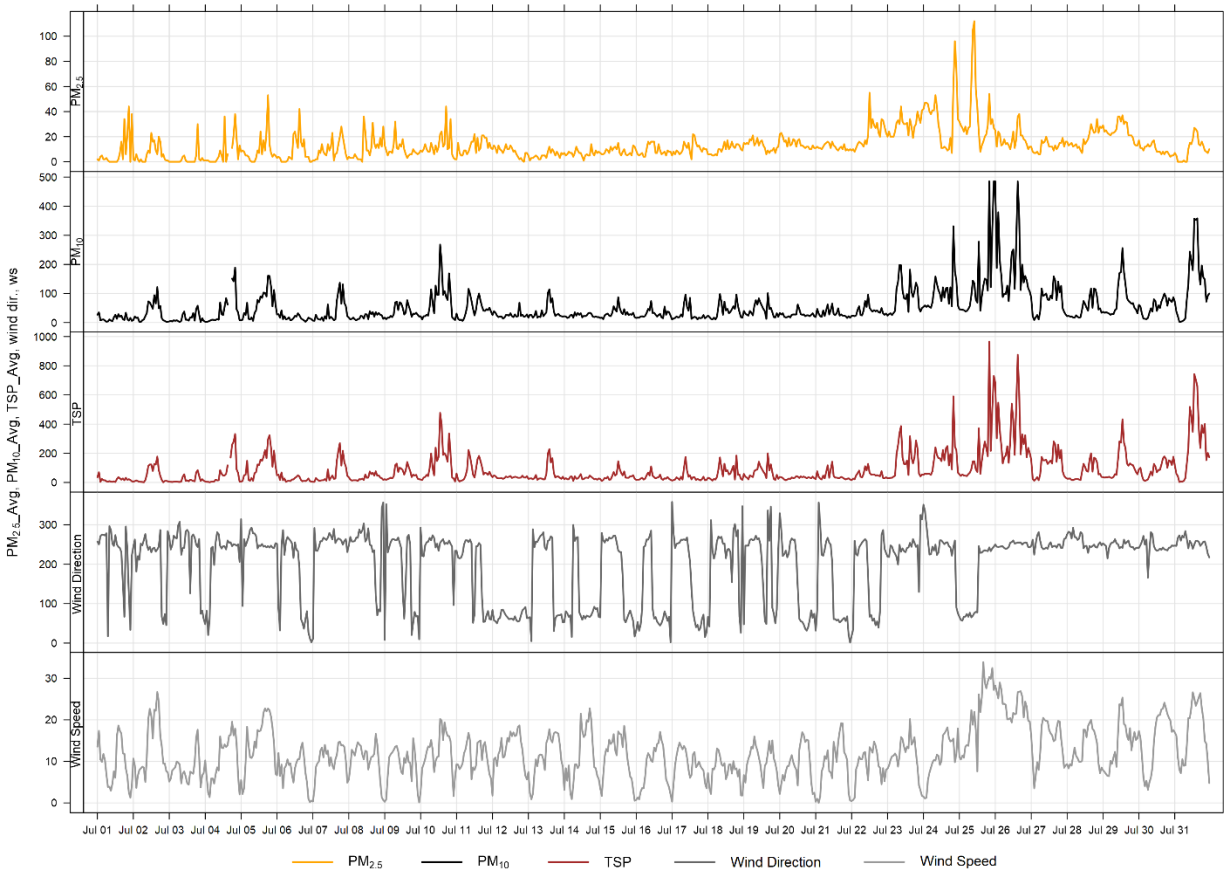

Figure 4-1 1-hour particulate matter concentrations recorded at the Windridge monitor

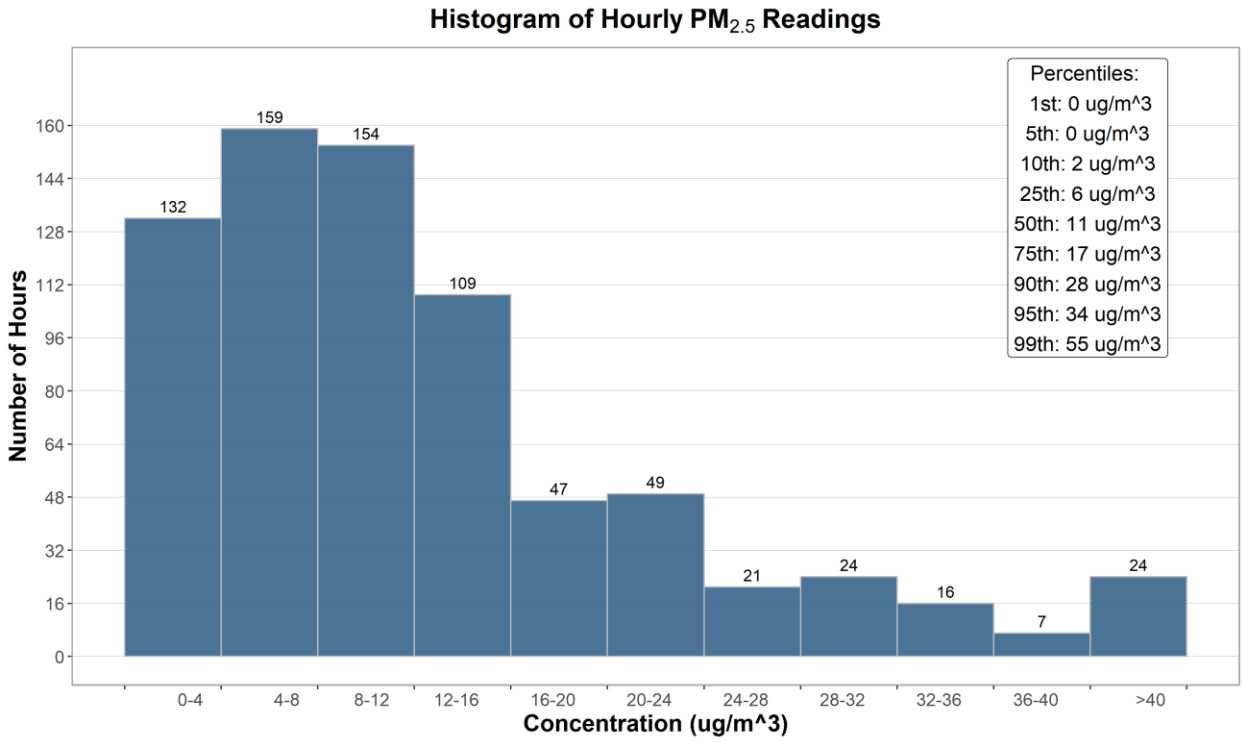

Figure 4-2 **Histogram of hourly $PM_{2.5}$ concentrations at the Windridge station**

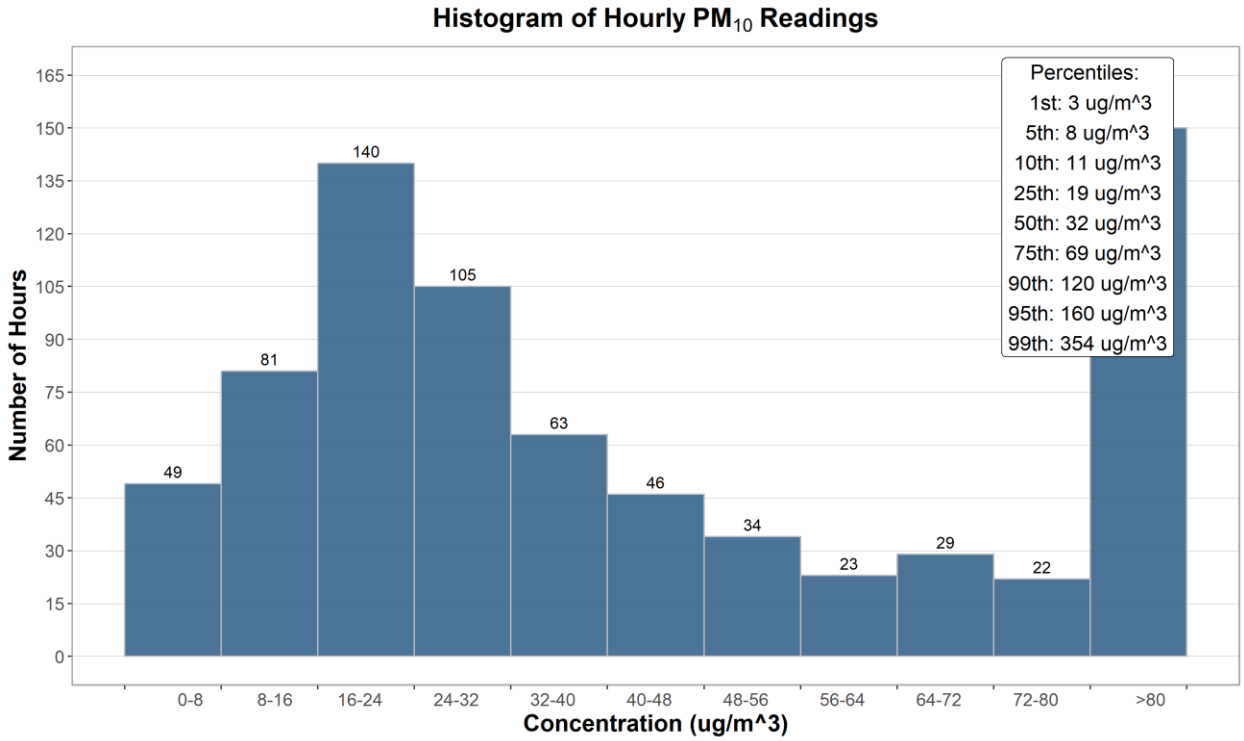

Figure 4-3 **Histogram of hourly PM_{10} concentrations at the Windridge station**

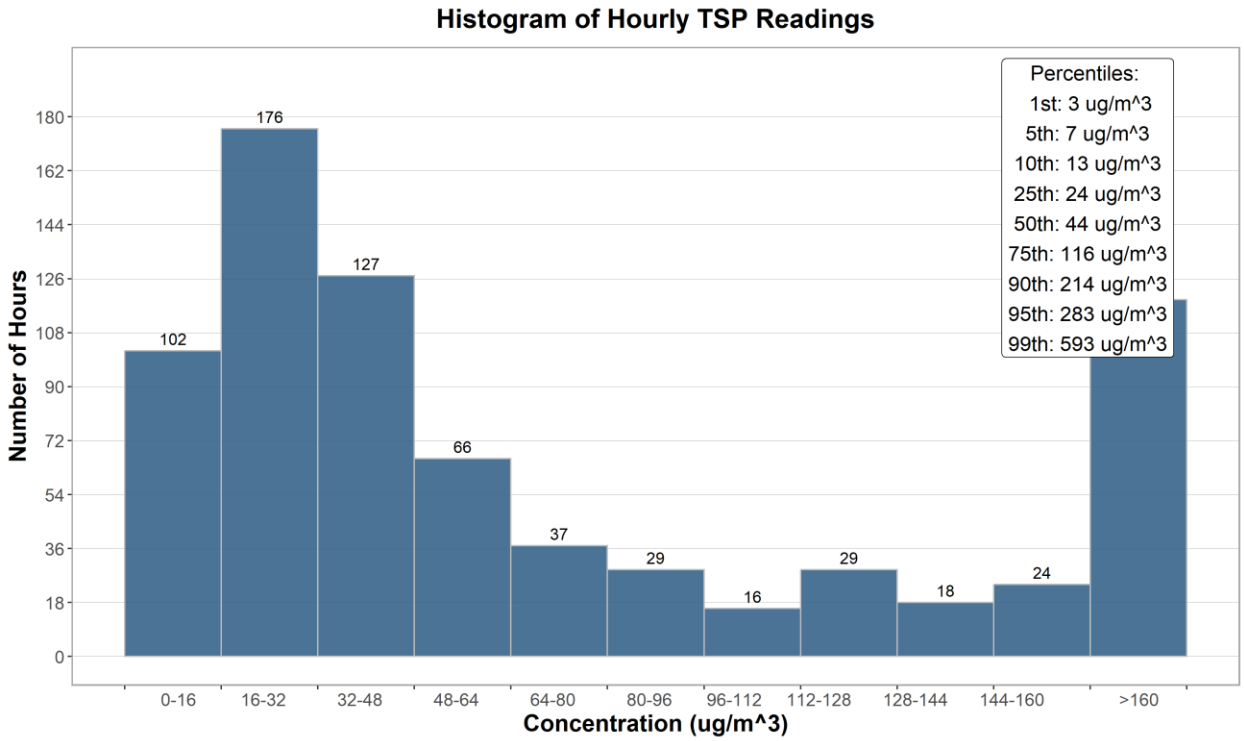

Figure 4-4 Histogram of hourly TSP concentrations at the Windridge station

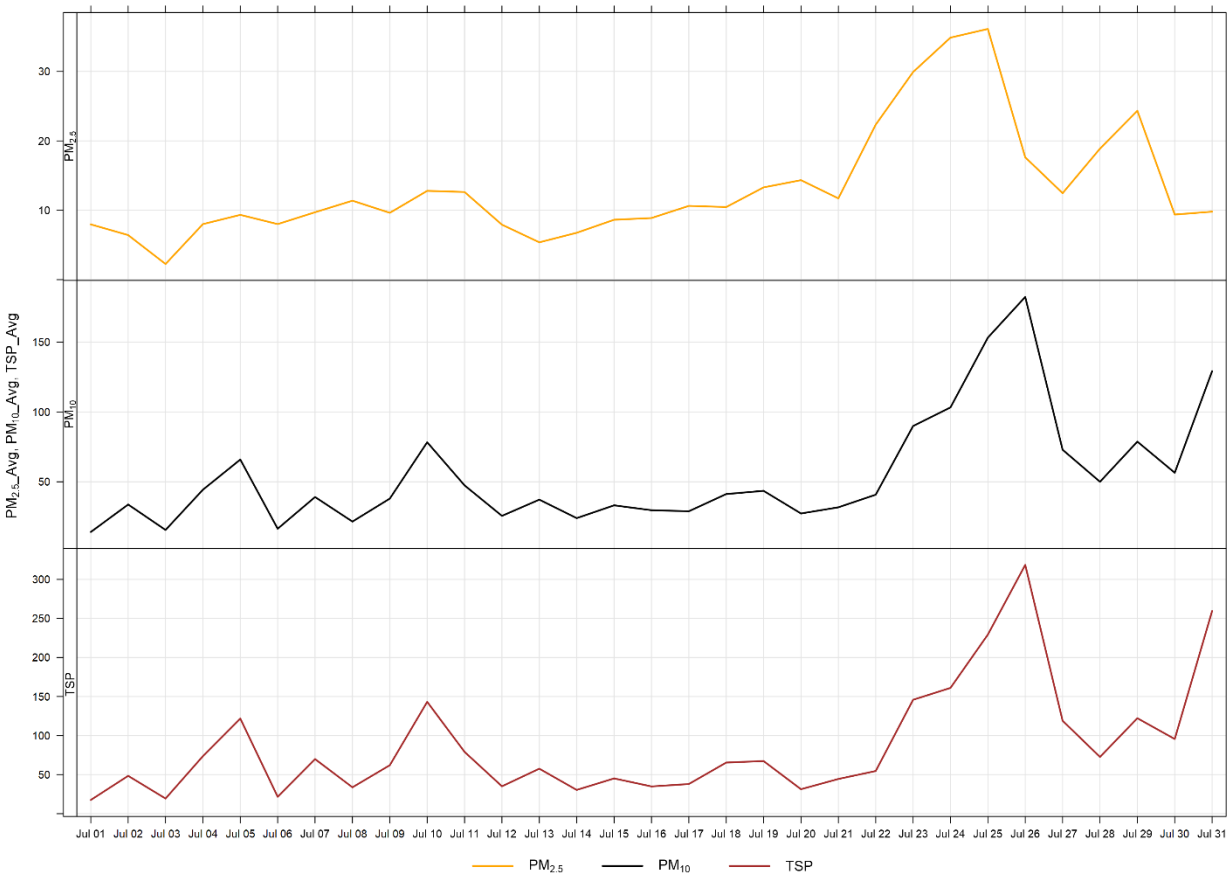

Figure 4-5 24-hour particulate matter concentrations at the Windridge monitor

Figure 4-6 shows the wind rose for the 9 days of TSP exceedance in July. The wind rose shows that the winds predominately came from the west-southwest, in high wind speed (23 km/h), suggesting impacts of windblown dust from the direction of the Lafarge Facility.

Figure 4-7 shows the wind rose for the 3 days of $PM_{2.5}$ exceedance in July. The wind rose shows that the winds predominately came from the west-southwest. This month the exceedances were largely driven by wildfire activity rather than windblown fugitive dust.

Figure 4-8 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 4-8 is based on data collected during July 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.

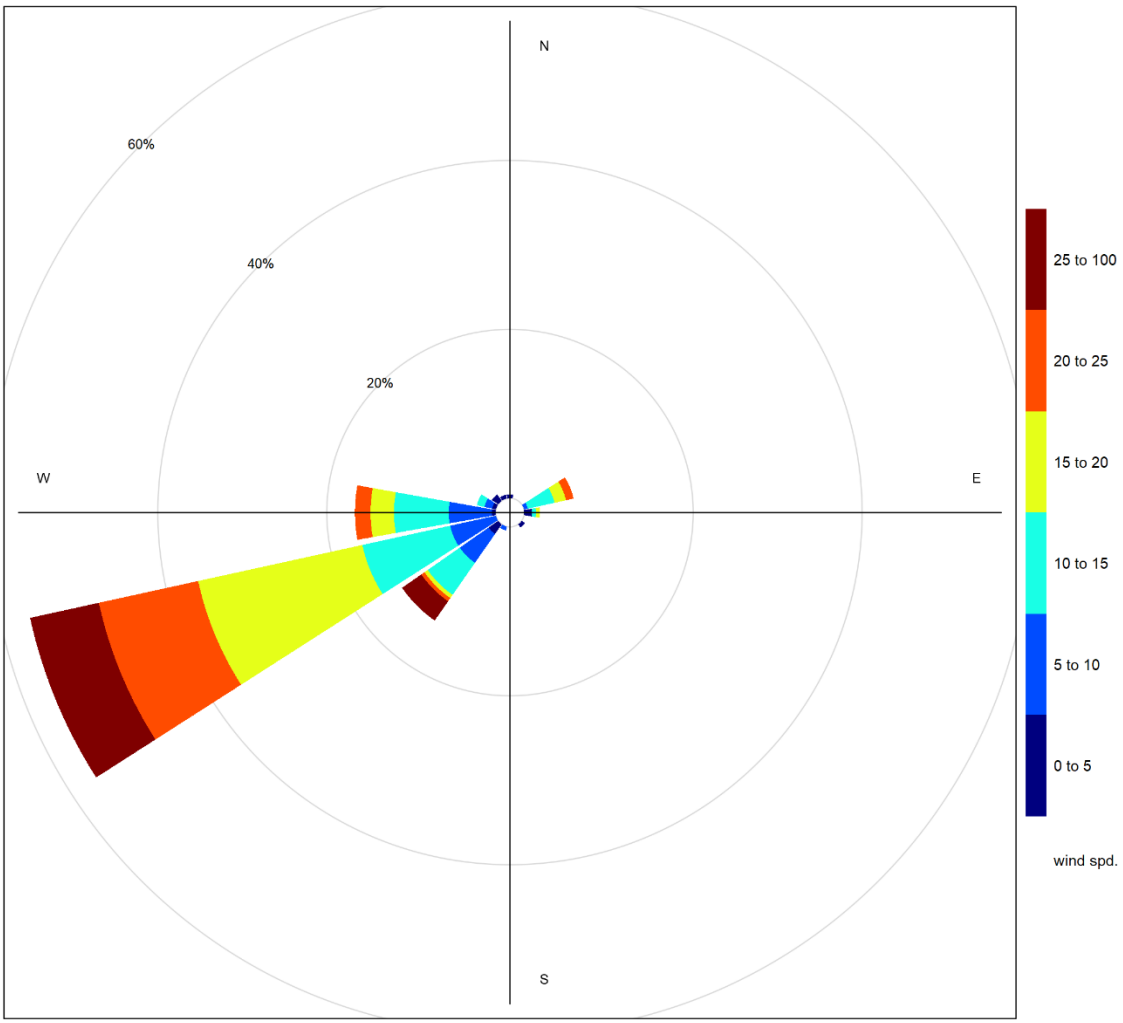

Figure 4-6 Wind rose for TSP exceedance days recorded at the Windridge Station

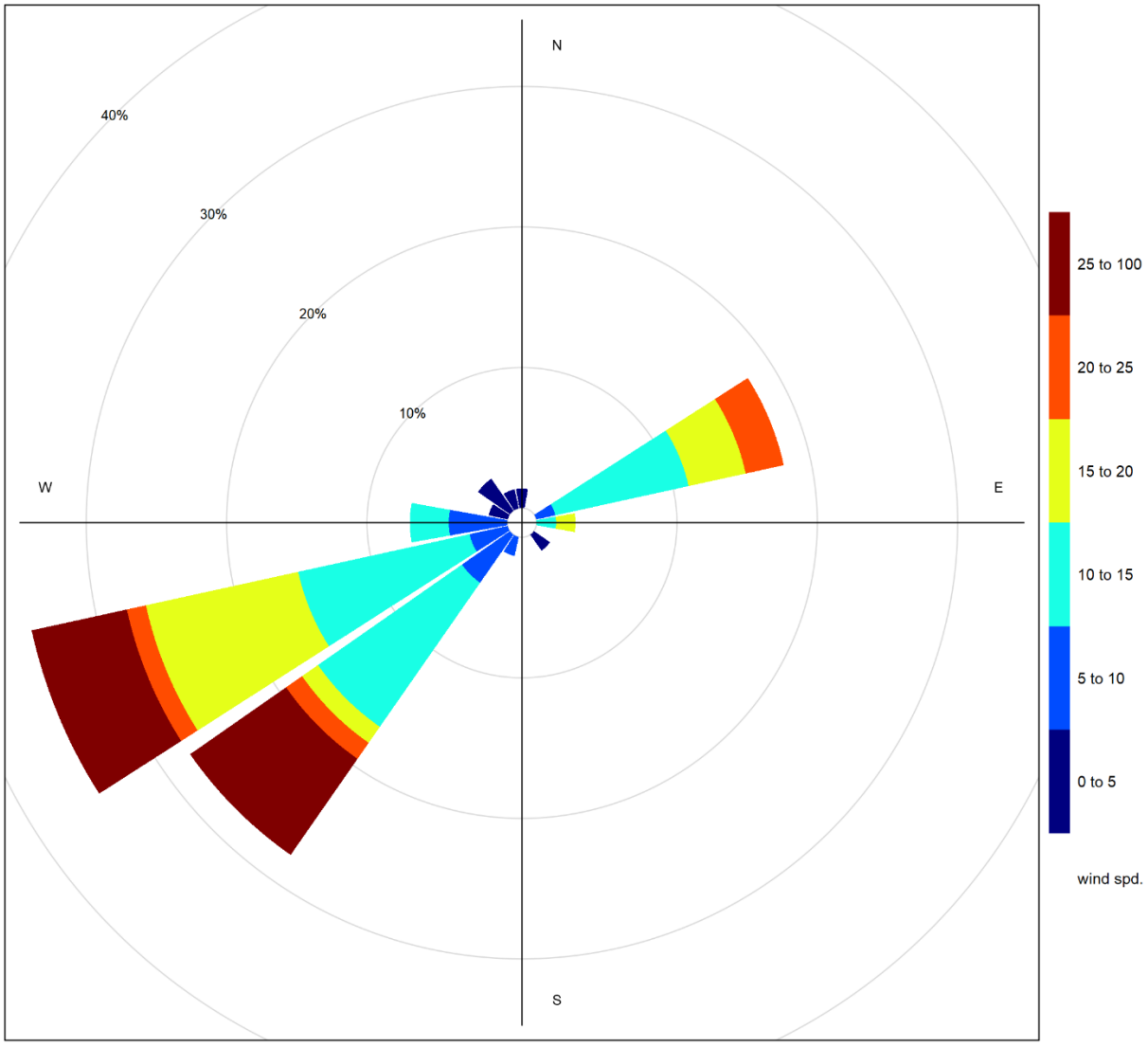

Figure 4-7 Wind rose for $PM_{2.5}$ exceedance days recorded at the Windridge Station

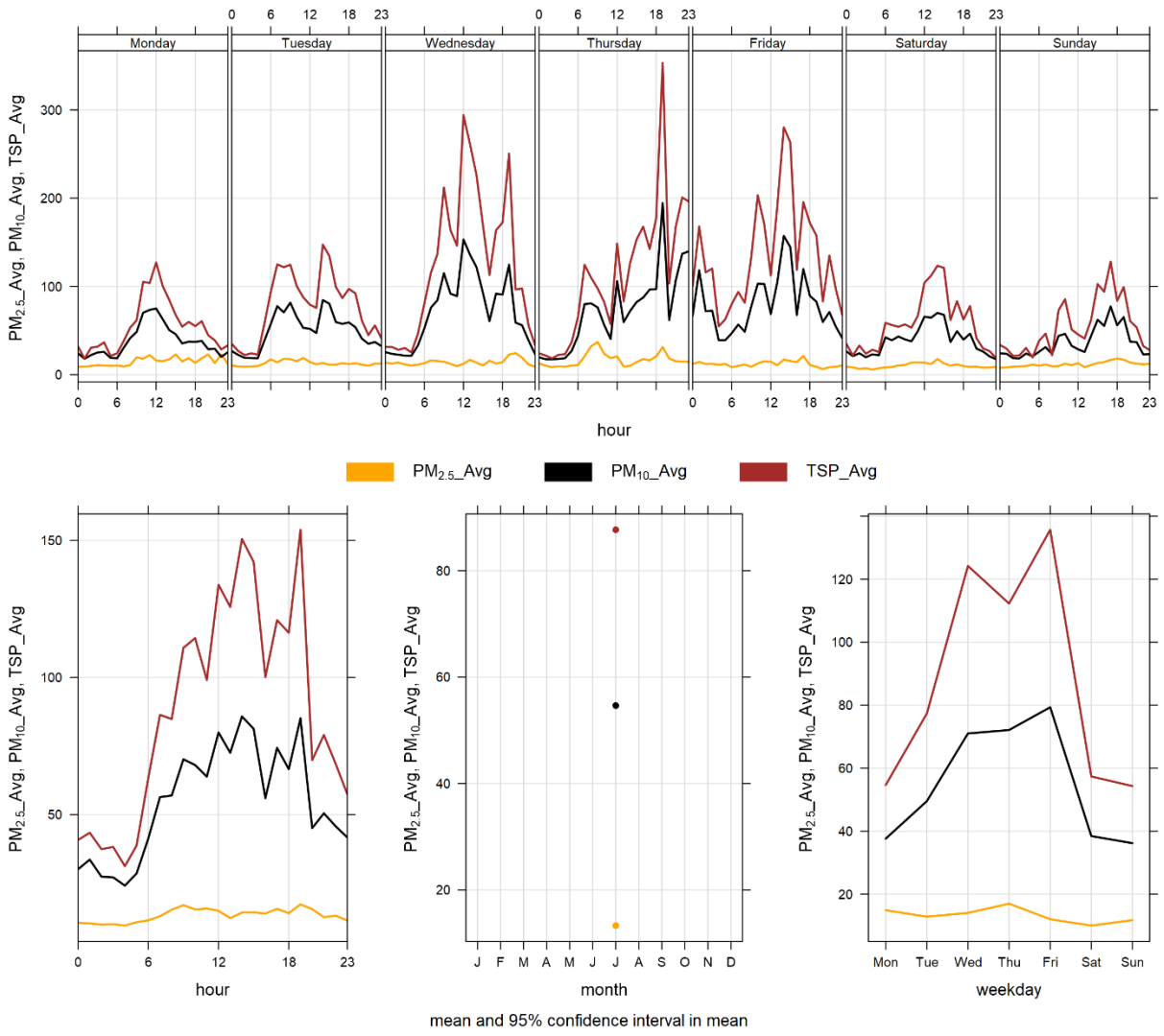

Figure 4-8 Windridge particulate matter time variation

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 recorded 62.5% uptime for the month of July due to 279 hours of out for repair occurring on July 1st at 1:00 – July 12th at 15:00.

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, and Table 5-3summarizes 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.

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). There was 1 exceedance of the 24-hour $PM_{2.5}$ (29µg/m^3) Guideline and 2 hours exceeding the 1-hour $PM_{2.5}$ Guideline due to wildfire smoke.

Historically during the month of July, the average number of 24-hour TSP AAAQO exceedances and 24-hour $PM_{2.5}$ AAAQO exceedances are 0 and 2 respectively. The maximum number of 24-hour TSP Guideline exceedances recorded in July was 1 day in 2010 and 2014. The maximum number of 24-hour $PM_{2.5}$ Guideline exceedance recorded in July was also 16 days in 2021.

Table 5-2 Summary of July 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	1	1.6	13.1	106.6	25	10	21.9	76.3	31.6	25	62.5
PM_{10} ($\mu g/m^3$)	-	-	West	-	-	1.6	14.4	142.0	25	10	21.9	76.3	34.0	25	62.5
TSP ($\mu g/m^3$)	-	100	West	-	0	1.6	14.7	142.0	25	10	21.9	76.3	34.0	25	62.5

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

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)
West						
2024-07-25	-	31.6	224.7	21.7	58.7	Regional wildfire activities
Total # of Exceedances	**0**	**1**				
Maximum # of Exceedances (July)	**1 (2010, 2014)**	**16 (2021)**				
Average # of Exceedances (July)	**0**	**2**				
Minimum # of Exceedances (July)	**0 (2011, 2012, 2013, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023)**	**0 (2010, 2011, 2012, 2013, 2015, 2016, 2018, 2019, 2020, 2022)**				

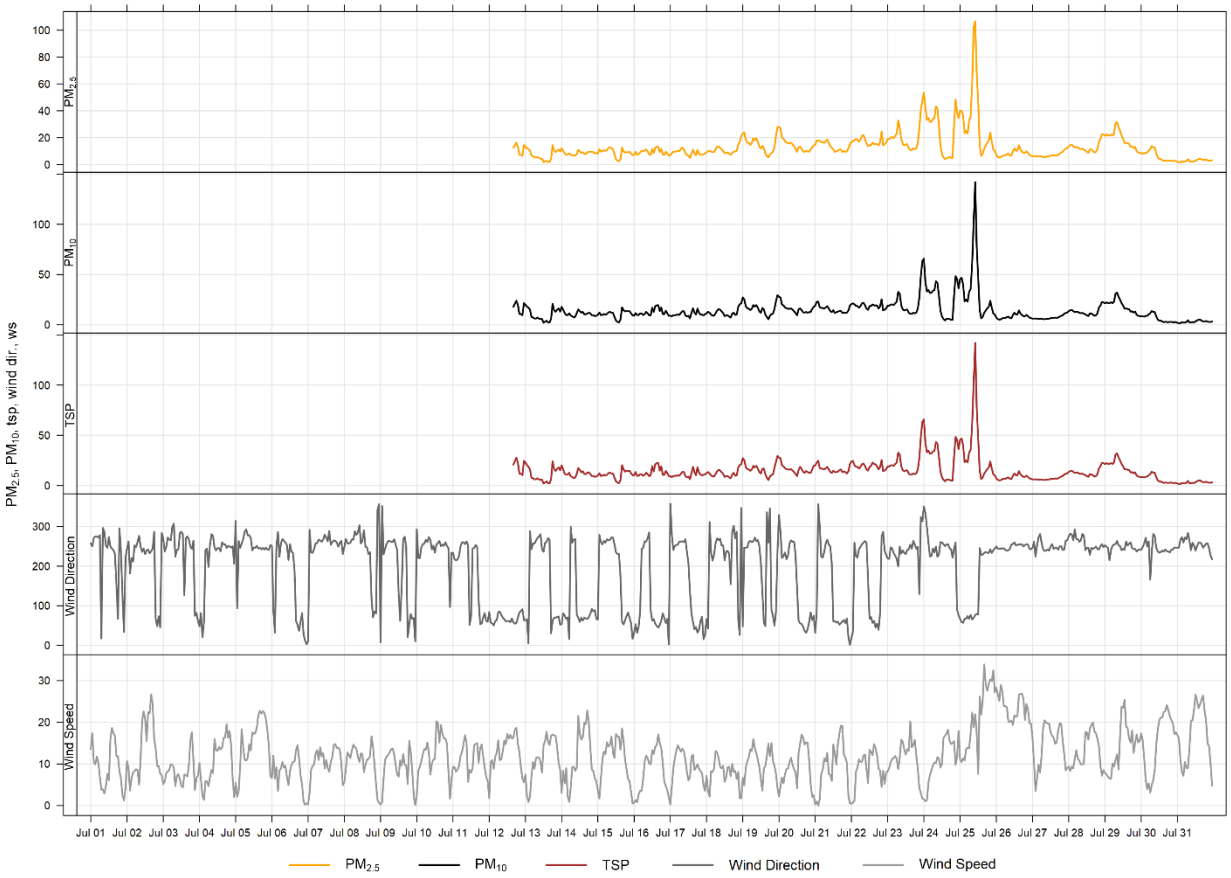

Figure 5-1 1-hour particulate matter concentrations at the West monitor

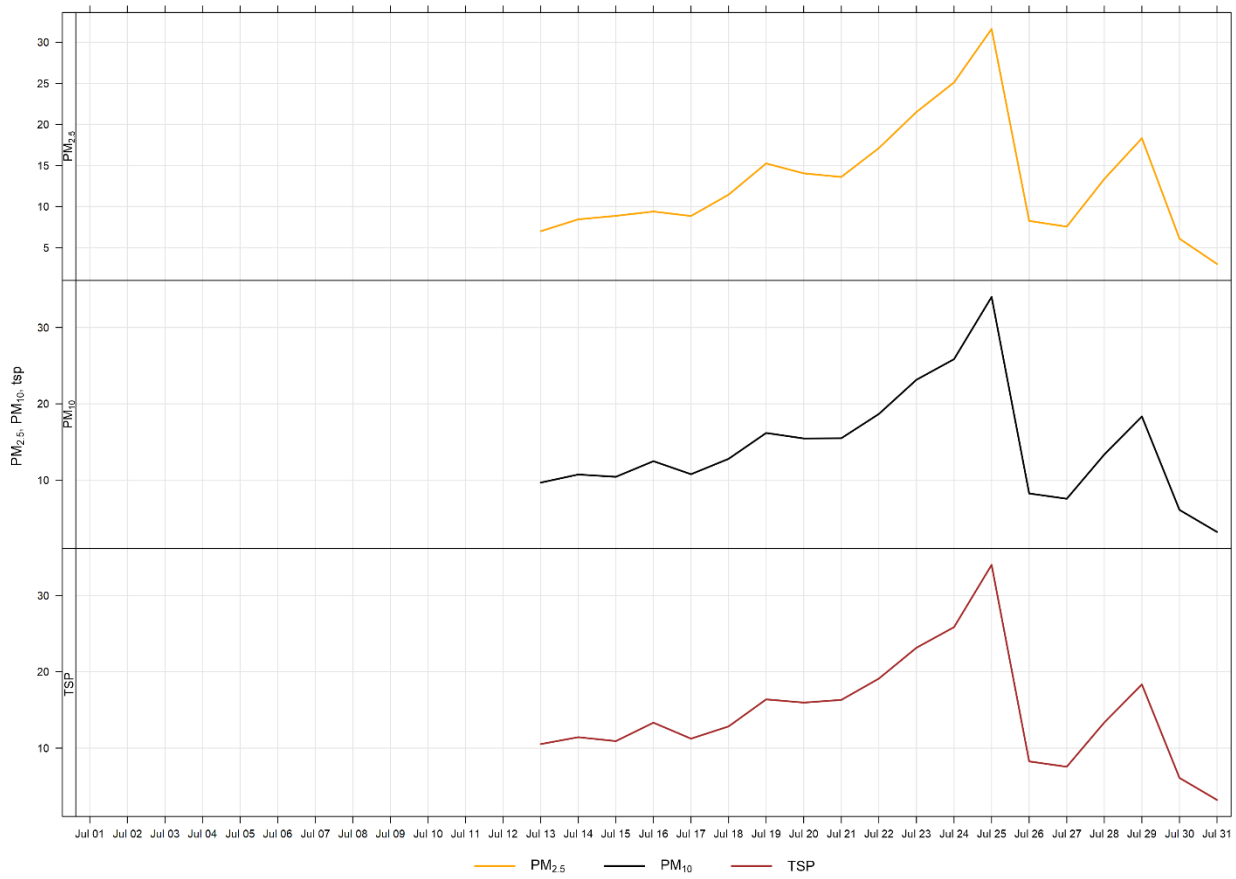

Figure 5-2 24-hour particulate matter concentrations at the West monitor

Figure 5-3 shows the wind rose for the 1 day of $PM_{2.5}$ exceedances. The wind rose shows that wind predominately came from southwest and west. This month the exceedance was largely driven by wildfire activity rather than windblown fugitive dust.

Figure 5-4 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 5-4 is based on data collected during July 2024. The data is skewed due to the impact of wildfire smoke occurring this month and limited data. 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.

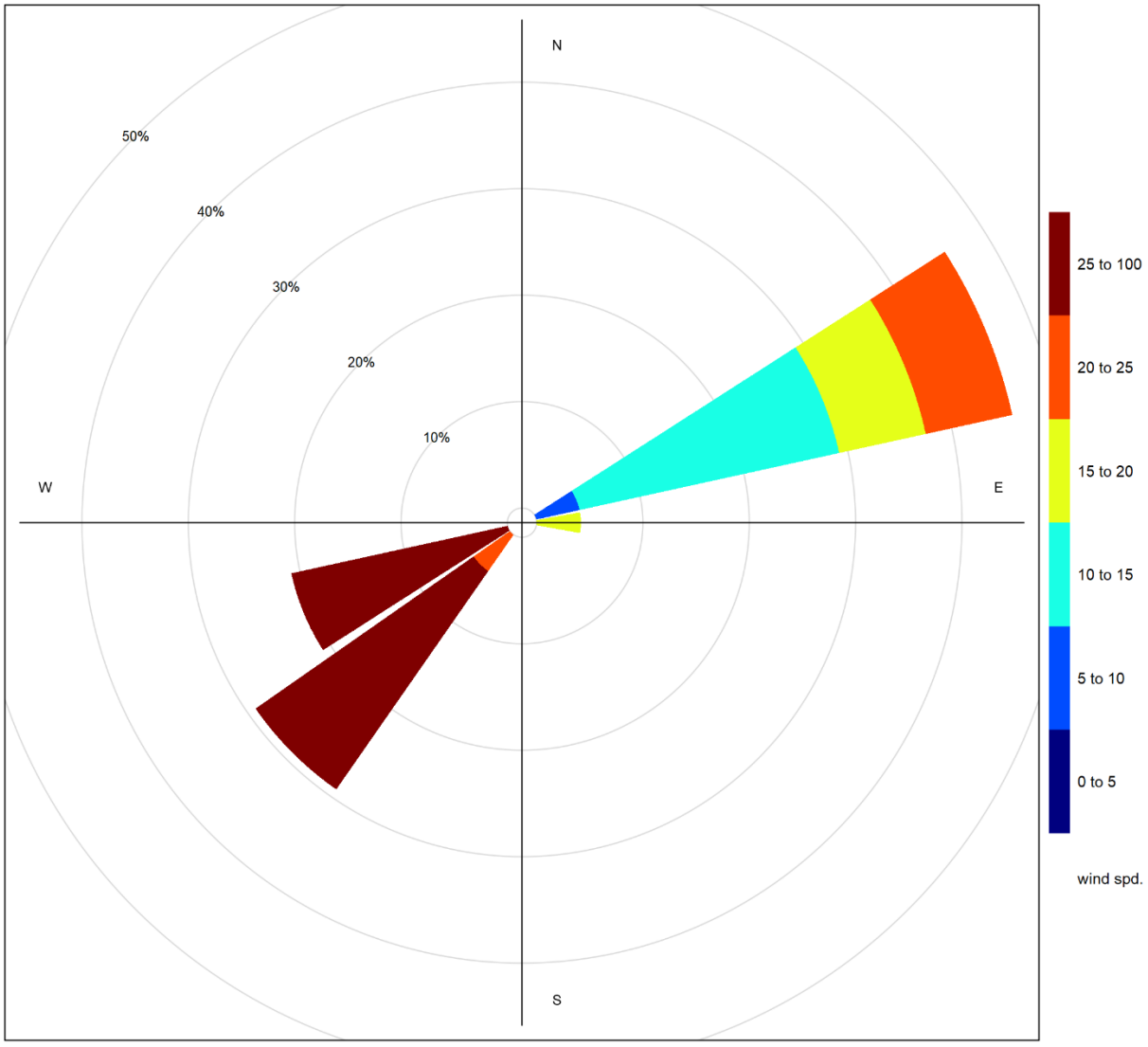

Figure 5-3 Wind rose for PM2.5 exceedance day recorded at the West GRIMM

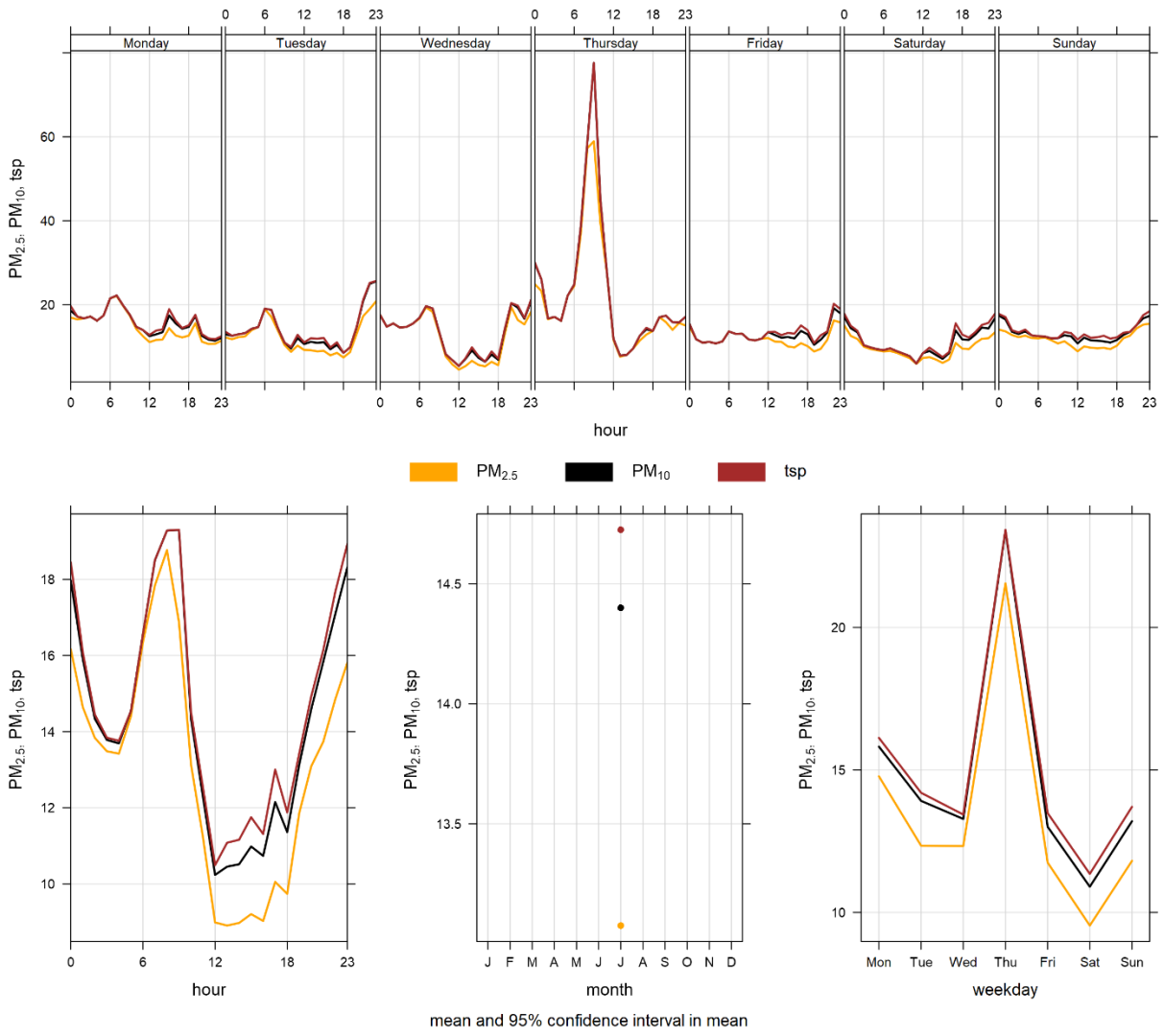

Figure 5-4 West monitor particulate matter time variation

6 BERM INDUSTRIAL GRIMM

6.1 OPERATIONAL SUMMARY

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

Table 6-1 Instrumentation List at the Berm monitoring location

Parameter Measured	Equipment Description	Notes
$PM_{2.5}$, PM_{10}, TSP Concentrations	GRIMM 365 Continuous Particulate Monitor	The analyzer recorded 31.5% uptime for the month of July due to 278 hours of out for repair and 232 hours of equipment malfunction spanning the entire month.

6.2 MONITORING RESULTS AND TRENDS

The Berm monitor was placed at its current location as a result of the dispersion modelling conducted for the facility. 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, and Table 6-3 summarizes the recorded exceedances. This is an industrial monitor that is not Alberta Air Monitoring Directive (AMD) compliant and is not required to show compliance with the AAAQO.

There were 6 exceedances of the 24-hour TSP Guideline (100 µg/m^3). There were 3 exceedances of the 24-hour $PM_{2.5}$ (29µg/m^3) and 19 hours exceeding the 1-hour $PM_{2.5}$ Guideline due to wildfire smoke. The low data completeness this month should be noted when interpreting results.

Historically during the month of July, the Berm monitor records an average of 10 and 2 exceedances of the 24-hour TSP and $PM_{2.5}$ guidelines, respectively. The maximum number of TSP exceedances recorded during July occurred in 2010 where there were 22 days that exceeded the guideline. On the other hand, the maximum number of $PM_{2.5}$ exceedances in July was 9 days in 2021.

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

The Berm monitor is located along a ridge at the edge of the Lafarge property and is in an area where on-site trucks drive through site, which can create fugitive dust. Quarry blasting also has the potential to impact short term PM immediately following a blast. The strong wind gusting that occurred in July would have also 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 6-2 Summary of July 2024 data at the Berm GRIMM

Parameter	Guideline		Station	Exceedances		Monthly		Maximum 1-hour					Maximum 24-hour		Operational Time (Percent)
	1-hr	24-hr		1-hr	24-hr	Minimum	Average	Maximum Concentration	Day	Hour	Wind Speed (km/hr)	Wind Direction (degrees)	Maximum Concentration	Day	
$PM_{2.5}$ ($\mu g/m^3$)	80	29	Berm	19	3	4.2	29.7	192.6	26	15	26.7	255.0	69.2	25	31.5
PM_{10} ($\mu g/m^3$)	-	-	Berm	-	-	9.4	152.6	1527.6	26	15	26.7	255.0	482.9	26	31.5
TSP ($\mu g/m^3$)	-	100	Berm	-	6	9.4	440.3	3794.2	26	15	26.7	255.0	1413.4	26	31.5

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

Date	TSP (ug/m^3)	$PM_{2.5}$ (ug/m^3)	Average Wind Direction (degrees)	Average Wind Speed (km/hr)	Average RH (%)	Root Cause (Provided by Lafarge)
Berm						
2024-07-13	298.3	-	293.7	11.1	48.2	
2024-07-18	211.5	-	257.0	7.7	44.7	
2024-07-19	179.8	-	276.6	10.1	49.0	
2024-07-24	574.5	56.2	243.0	11.5	36.5	Regional wildfire activities
2024-07-25	1001.4	69.2	224.7	21.7	58.7	Regional wildfire activities
2024-07-26	1413.4	66.6	249.0	23.1	35.8	Regional wildfire activities
Total # of Exceedances	6	3				
Maximum # of Exceedances (July)	22 (2010)	9 (2021)				
Average # of Exceedances (July)	10	2				
Minimum # of Exceedances (July)	3 (2013)	0 (2010, 2011, 2012, 2013, 2015, 2016, 2018, 2019, 2020, 2022)				

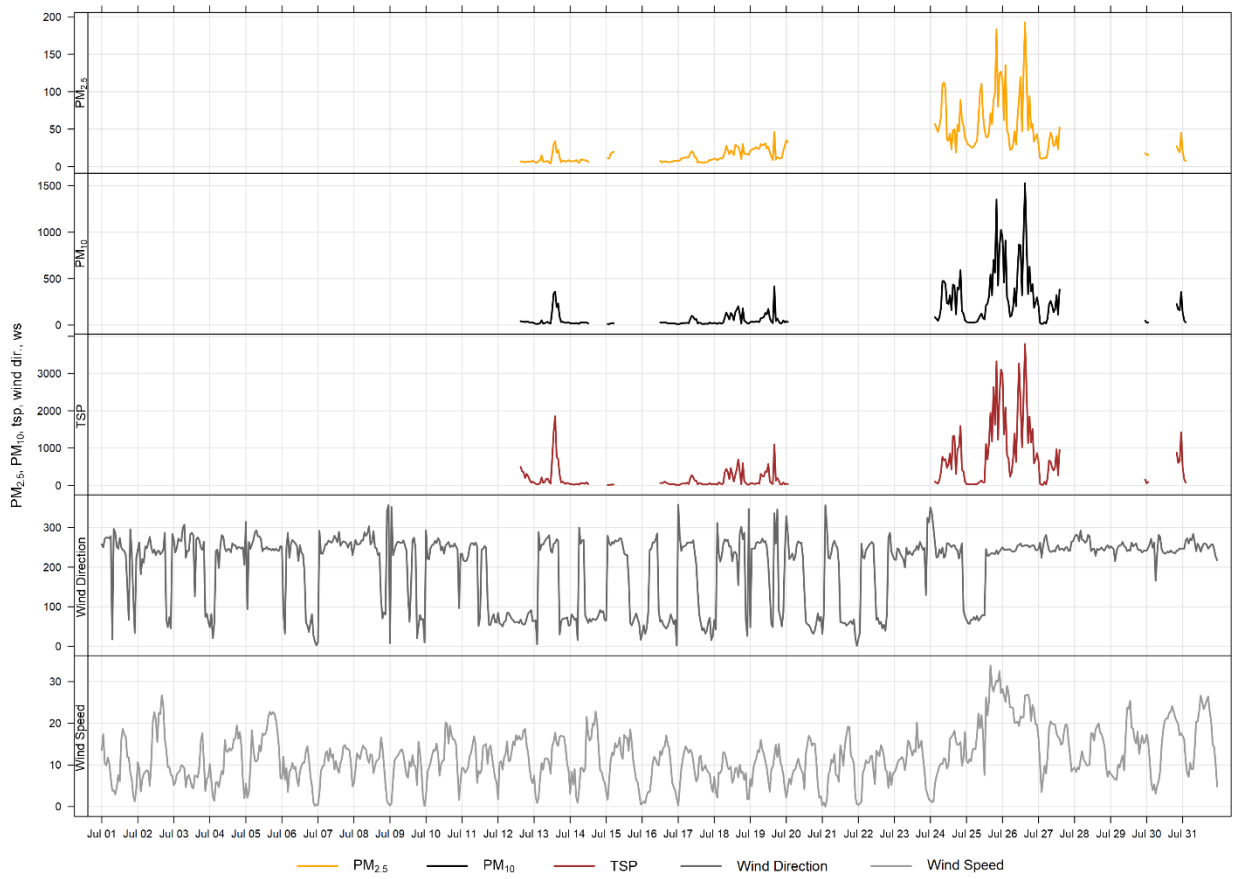

Figure 6-1 1-hour particulate matter concentrations recorded at the Berm monitor

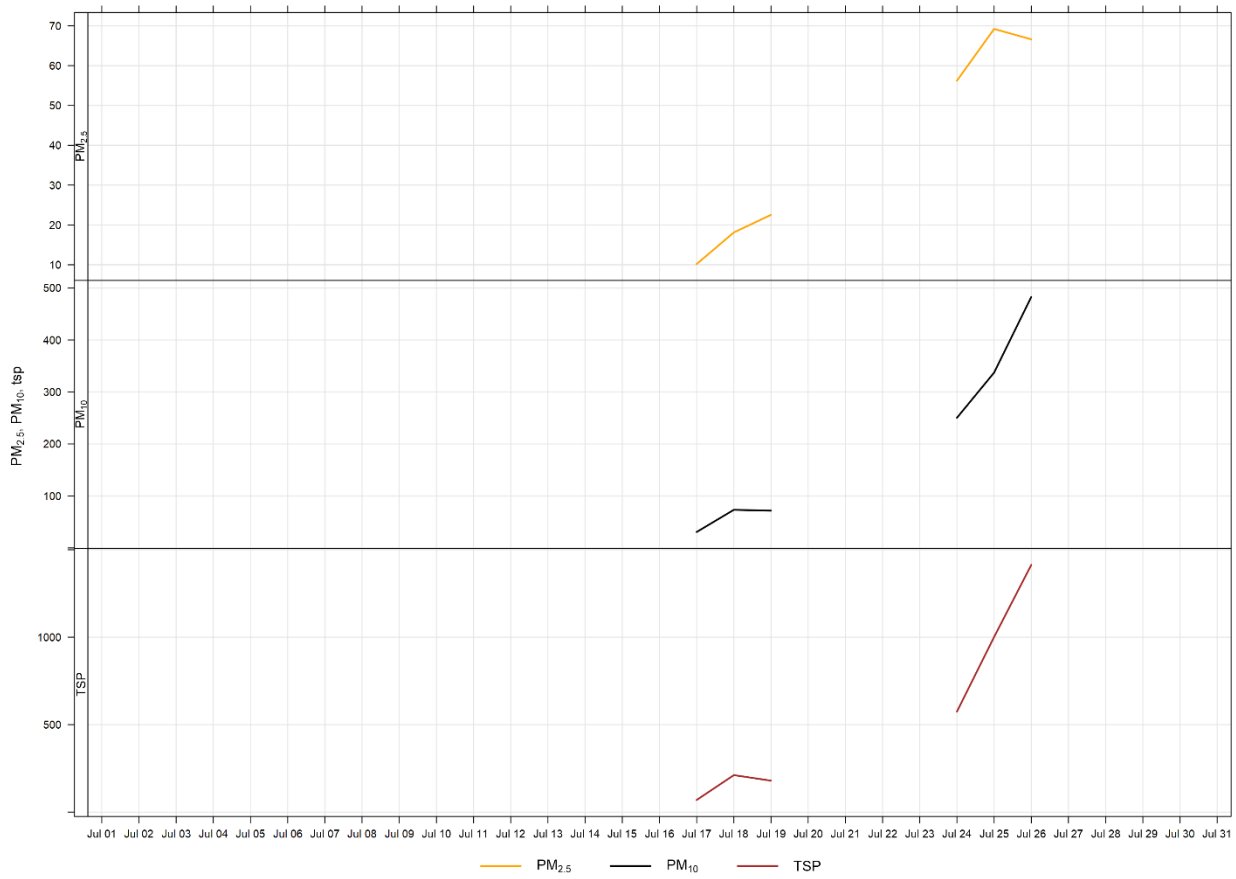

Figure 6-2 24-hour particulate matter concentrations recorded at the Berm monitor

Figure 6-3 shows the wind rose for the 6 days of TSP exceedances. Figure 6-4 shows the wind rose for the 3 days pf $PM_{2.5}$ exceedances. The wind rose shows that the wind predominately came from the west-southwest direction. This month $PM_{2.5}$ exceedances were largely driven by wildfire activity rather than windblown fugitive dust.

Figure 6-5 shows the variation of PM recorded at the Berm monitor over various time averaging periods. The Berm monitor diurnal pattern, similar to the Lagoon station, and is associated with Lafarge operations, but also daytime emissions from other activities and sources in Exshaw.

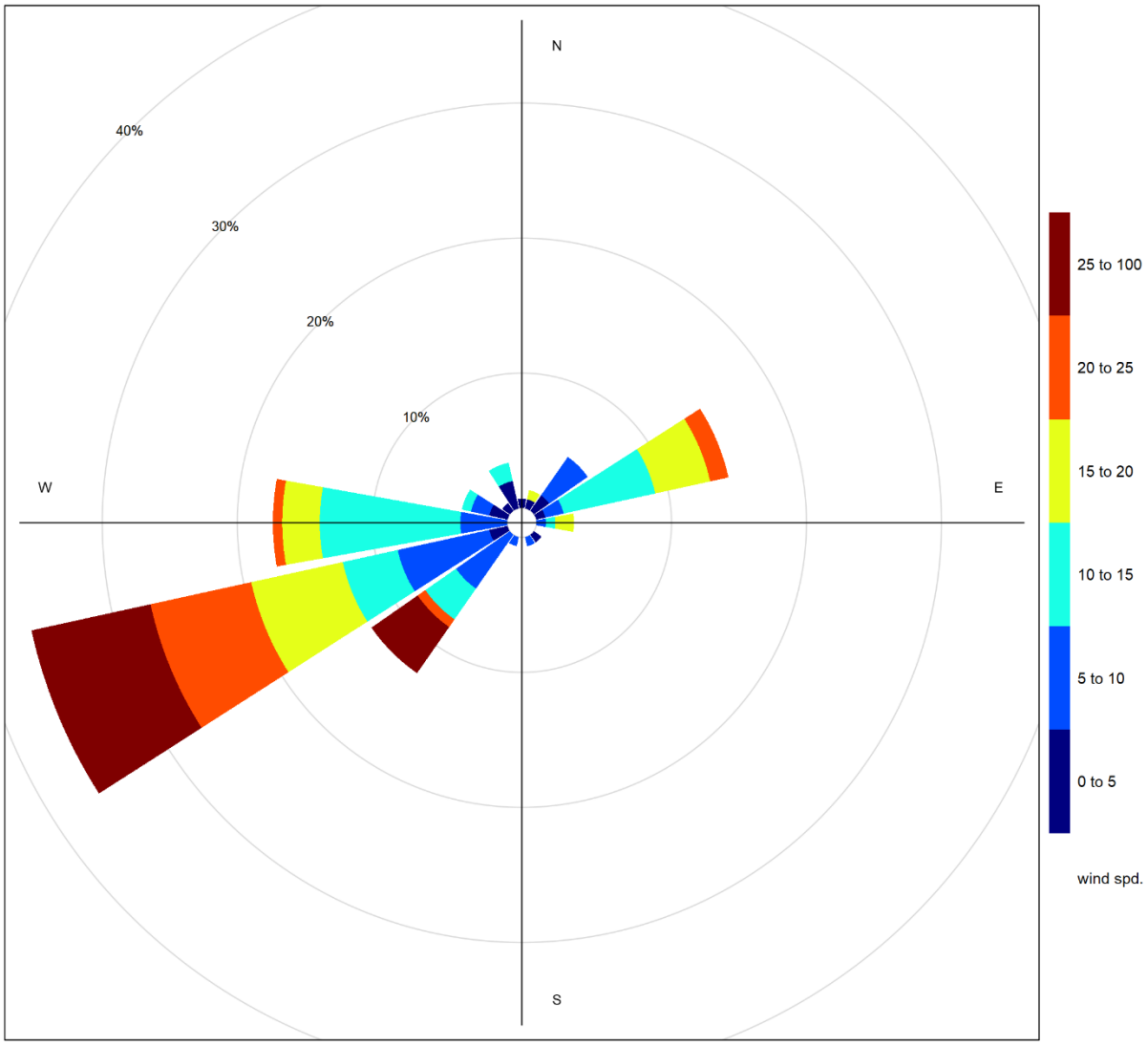

Figure 6-3 Windrose for TSP exceedance days recorded at the Berm GRIMM

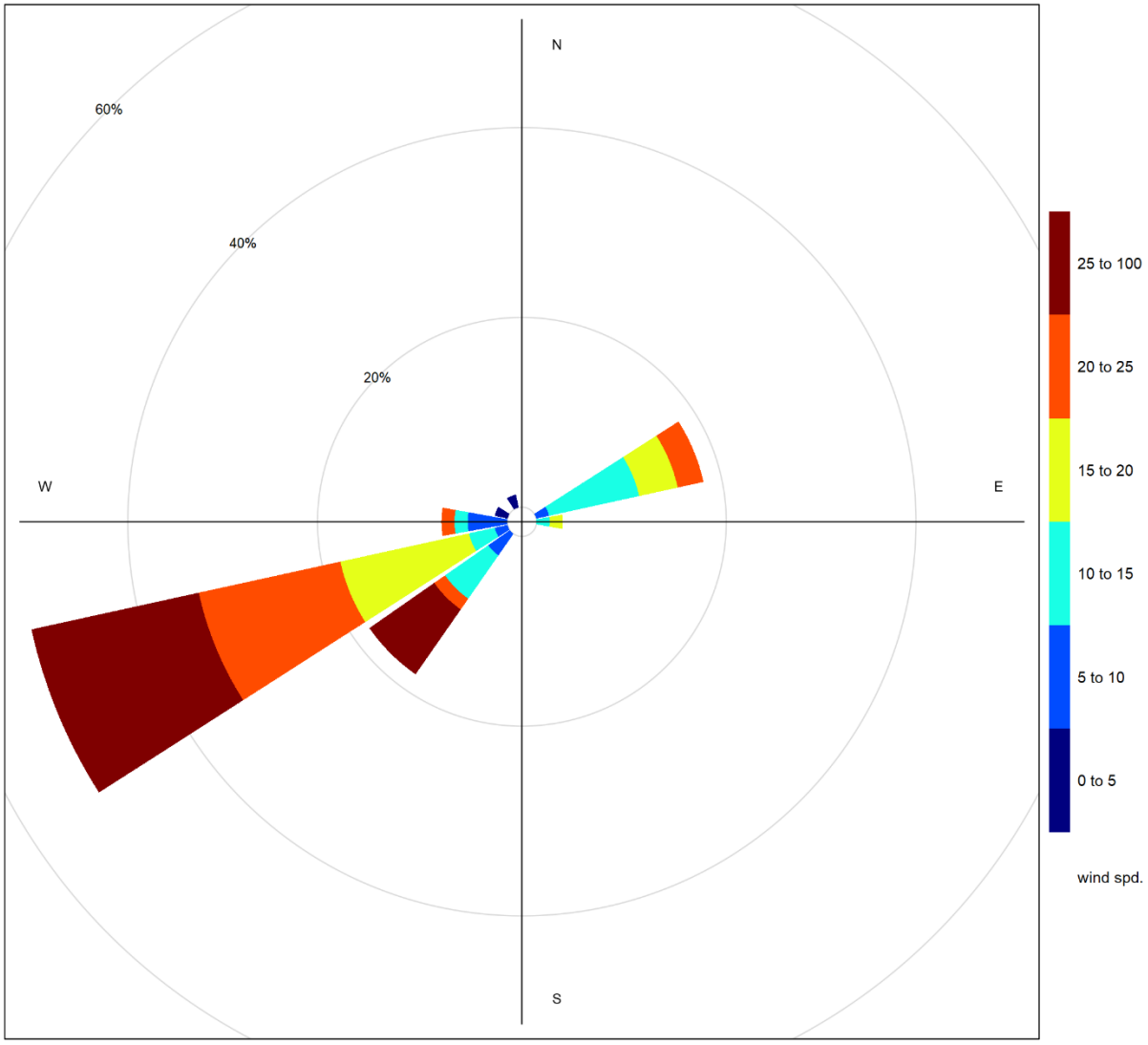

Figure 6-4 Windrose for $PM_{2.5}$ exceedance days recorded at the Berm GRIMM

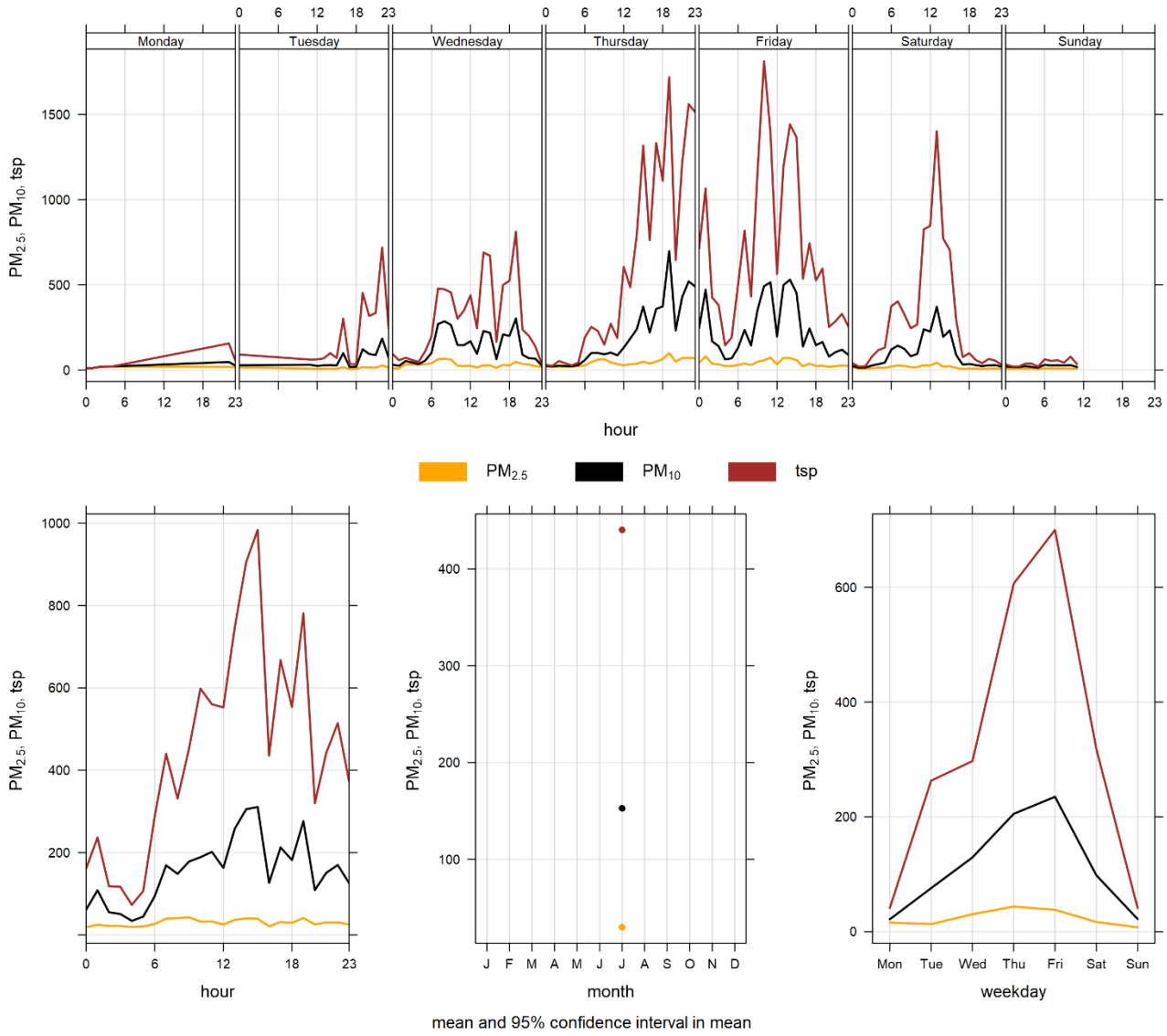

Figure 6-5 Berm particulate matter time variation

7 ENTRANCE INDUSTRIAL GRIMM

7.1 OPERATIONAL SUMMARY

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

Table 7-1 Instrumentation List at the Entrance monitoring location

Parameter Measured	Equipment Description	Notes
$PM_{2.5}$, PM_{10}, TSP Concentrations	GRIMM 365 Continuous Particulate Monitor	The analyzer had 87.9% uptime for the month of July due to 90 hours of equipment malfunction occurring on July 20st at 24:00 and from July 28th at 8:00 until the end of the month.

7.2 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 7-1 and Figure 7-2 show the hourly and daily $PM_{2.5}$, PM_{10}, and TSP concentrations recorded over the month. Table 7-2 summarizes the maximum 1-hour and 24-hour PM concentrations recorded during the month. Table 7-3 summarizes the recorded exceedances. This is an industrial monitor that is not Alberta Air Monitoring Directive (AMD) compliant and is not required to show compliance with the AAAQO.

During the month of July, there were 25 exceedances of the 24-hour TSP (100 µg/m^3). There were 22 hours exceeding the 1-hour $PM_{2.5}$ Guideline and 12 exceedance of the 24-hour $PM_{2.5}$ Guideline.

Historically, the Entrance monitor records an average of 15 and 3 exceedances of the 24-hour TSP and $PM_{2.5}$ guidelines respectively, during the month of July. The maximum number of TSP exceedances recorded during July occurred in 2014, which had 30 days that exceeded the guideline. The maximum number of $PM_{2.5}$ exceedances recorded during July was 12 days in 2021.

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 7-2 Summary of July 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	22	12	1.8	27.9	212.4	24	6	9.7	244.6	62.5	24	87.9
PM_{10} ($\mu g/m^3$)	-	-	Entrance	-	-	2.4	135.9	1511.3	24	6	9.7	244.6	284.9	10	87.9
TSP ($\mu g/m^3$)	-	100	Entrance	-	25	2.4	278.9	1793.3	24	6	9.7	244.6	585.3	10	87.9

Table 7-3 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						
2024-07-02	271.4	-	245.3	13.0	55.2	
2024-07-04	187.3	-	250.7	10.3	50.6	
2024-07-05	272.9	-	252.8	14.9	39.1	
2024-07-06	102.1	-	259.6	7.6	51.4	
2024-07-07	286.6	-	260.0	10.7	39.0	
2024-07-08	322.5	-	263.9	10.3	36.3	
2024-07-09	266.3	-	261.1	9.1	45.2	
2024-07-10	585.3	46.1	252.3	12.5	32.3	
2024-07-11	384.1	30.1	245.0	10.7	36.3	
2024-07-12	353.8	-	65.8	13.0	51.1	
2024-07-13	310.2	-	293.7	11.1	48.2	
2024-07-14	102.7	-	68.1	11.1	66.0	
2024-07-15	273.0	29.7	257.4	11.0	56.4	
2024-07-16	240.2	-	45.8	8.3	59.3	
2024-07-17	373.7	30.1	287.9	9.6	46.8	

2024-07-18	353.0	33.6	257.0	7.7	44.7	
2024-07-19	305.9	37.7	276.6	10.1	49.0	
2024-07-20	127.9	-	27.0	9.2	50.9	
2024-07-21	117.4	-	53.1	9.1	49.8	
2024-07-22	317.8	42.8	275.8	9.2	45.6	Regional wildfire activities
2024-07-23	387.5	47.0	240.4	11.0	35.3	Regional wildfire activities
2024-07-24	473.4	62.5	243.0	11.5	36.5	Regional wildfire activities
2024-07-25	329.0	49.2	224.7	21.7	58.7	Regional wildfire activities
2024-07-26	344.9	32.0	249.0	23.1	35.8	High wind event
2024-07-27	269.1	34.8	249.0	14.2	40.7	
Total # of Exceedances	**25**	**12**				
Maximum # of Exceedances (July)	**30 (2014)**	**12 (2021)**				
Average # of Exceedances (July)	**15**	**3**				
Minimum # of Exceedances (July)	**0 (2023)**	**0 (2011, 2013, 2016, 2019, 2020, 2022, 2023)**				

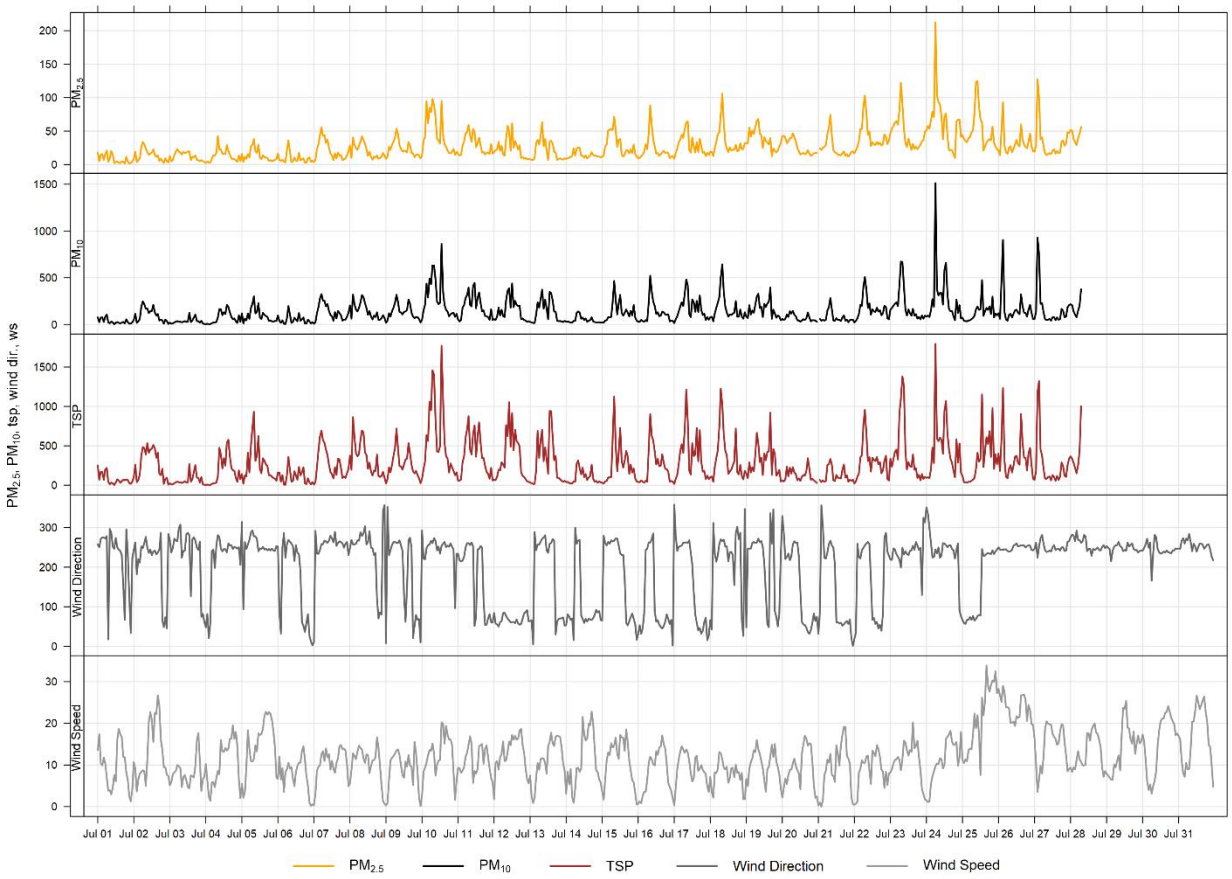

Figure 7-1 1-hour particulate matter concentrations recorded at the Entrance monitor

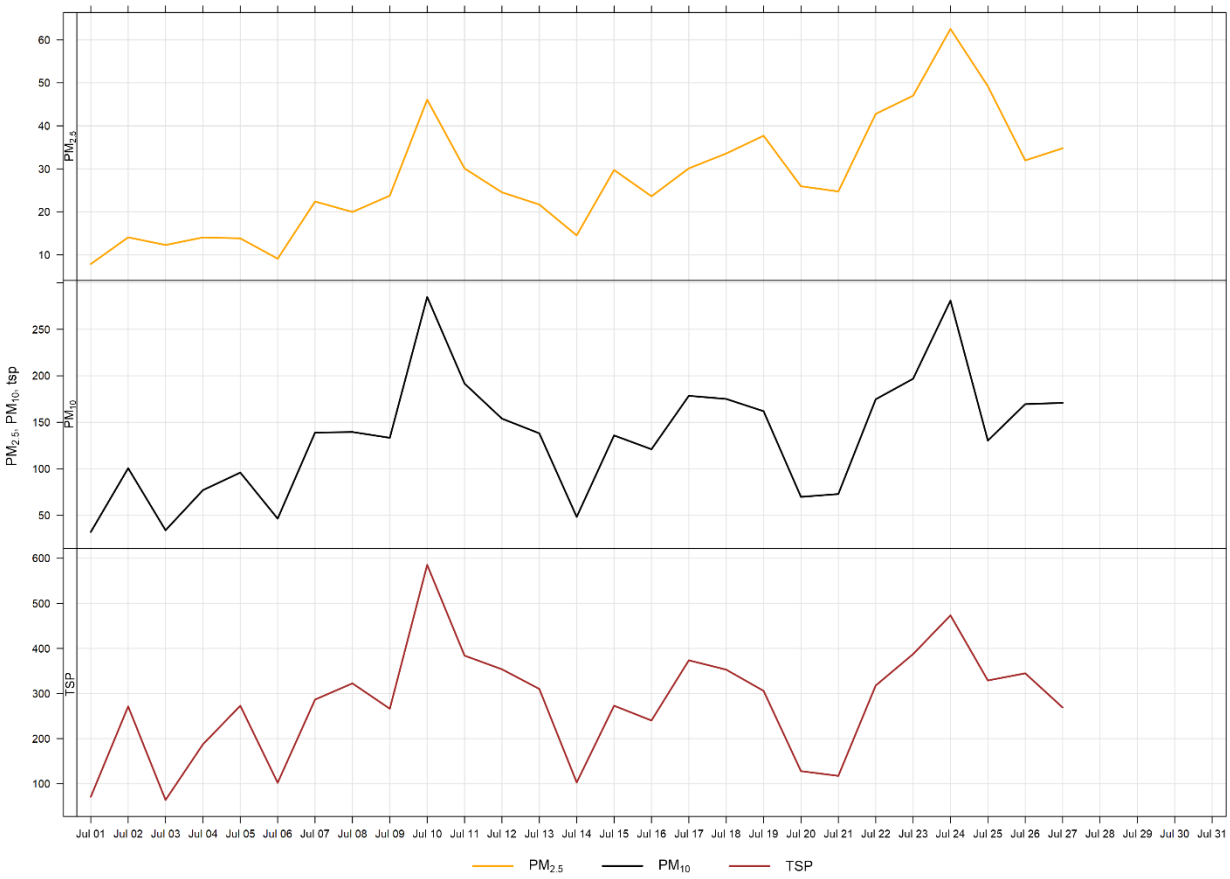

Figure 7-2 24-hour particulate matter concentrations recorded at the Entrance monitor

Figure 7-3 shows the wind rose for the 25 days of TSP exceedances. The wind rose shows that the wind predominately came from the west-southwest and northeast direction. This month many of the TSP exceedances were driven by windblown fugitive dust, and winds from the west-southwest and northeast which suggest impacts from both Lafarge Facility and other sources.

Figure 7-4 shows the wind rose for the 12 days of $PM_{2.5}$ exceedances. The wind rose shows that wind predominately came from west-southwest direction. This month many of the $PM_{2.5}$ exceedances were largely driven by wildfire activity rather than windblown fugitive dust.

Figure 7-5 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 7-5 is based on data collected during July 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.

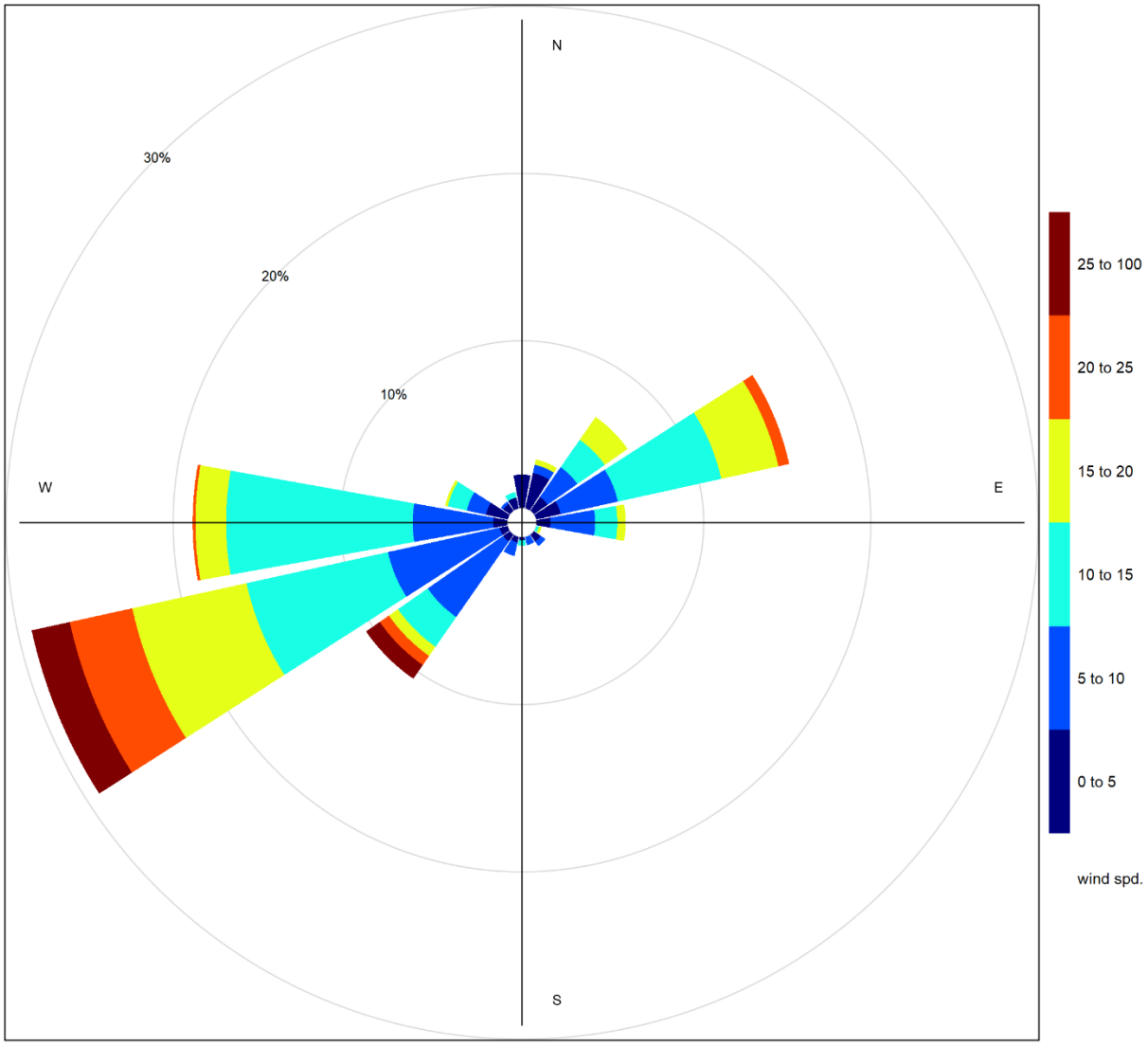

Figure 7-3 Wind rose for TSP exceedance days recorded at the Entrance GRIMM

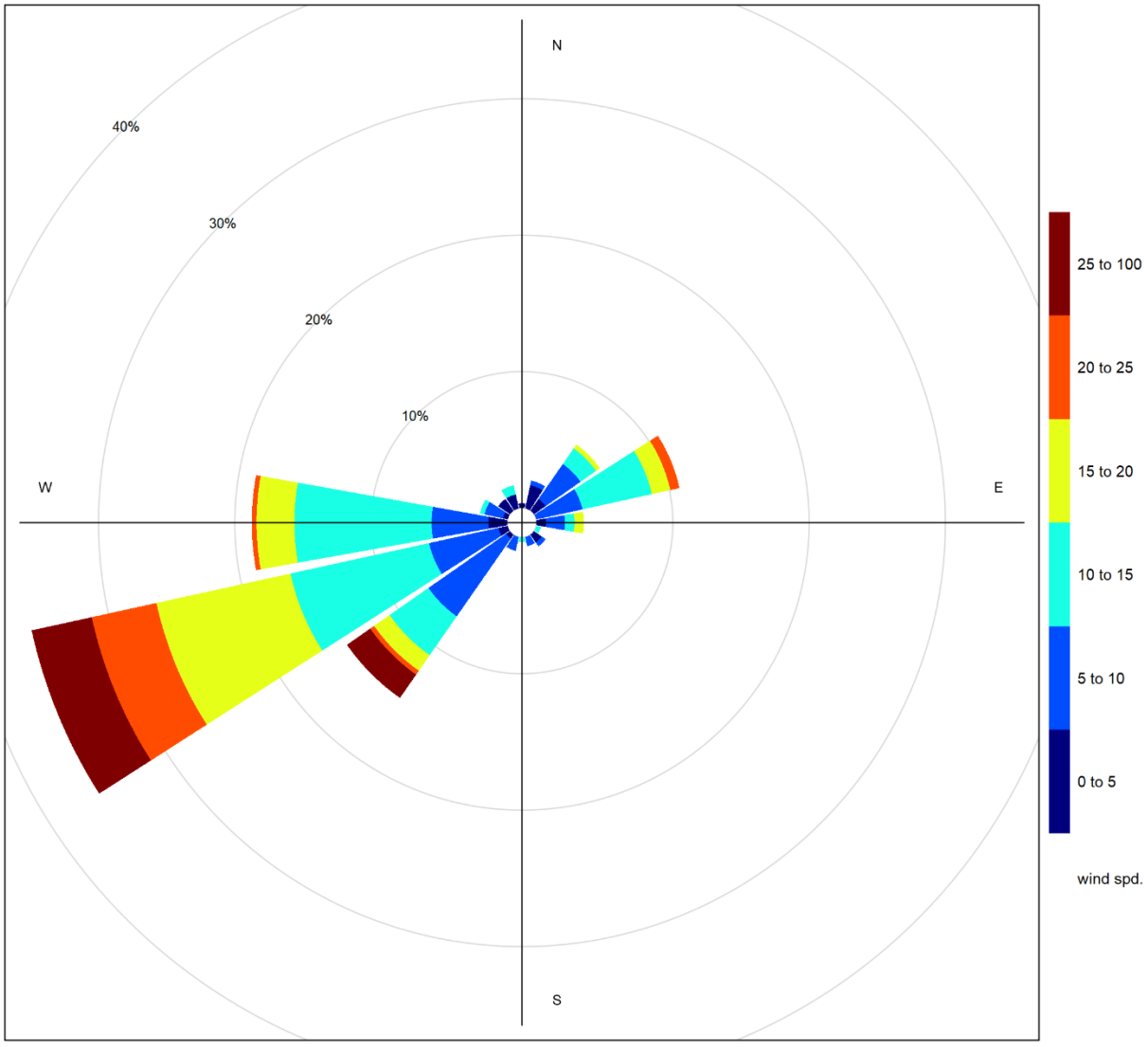

Figure 7-4 Wind rose for $PM_{2.5}$ exceedance days recorded at the Entrance GRIMM

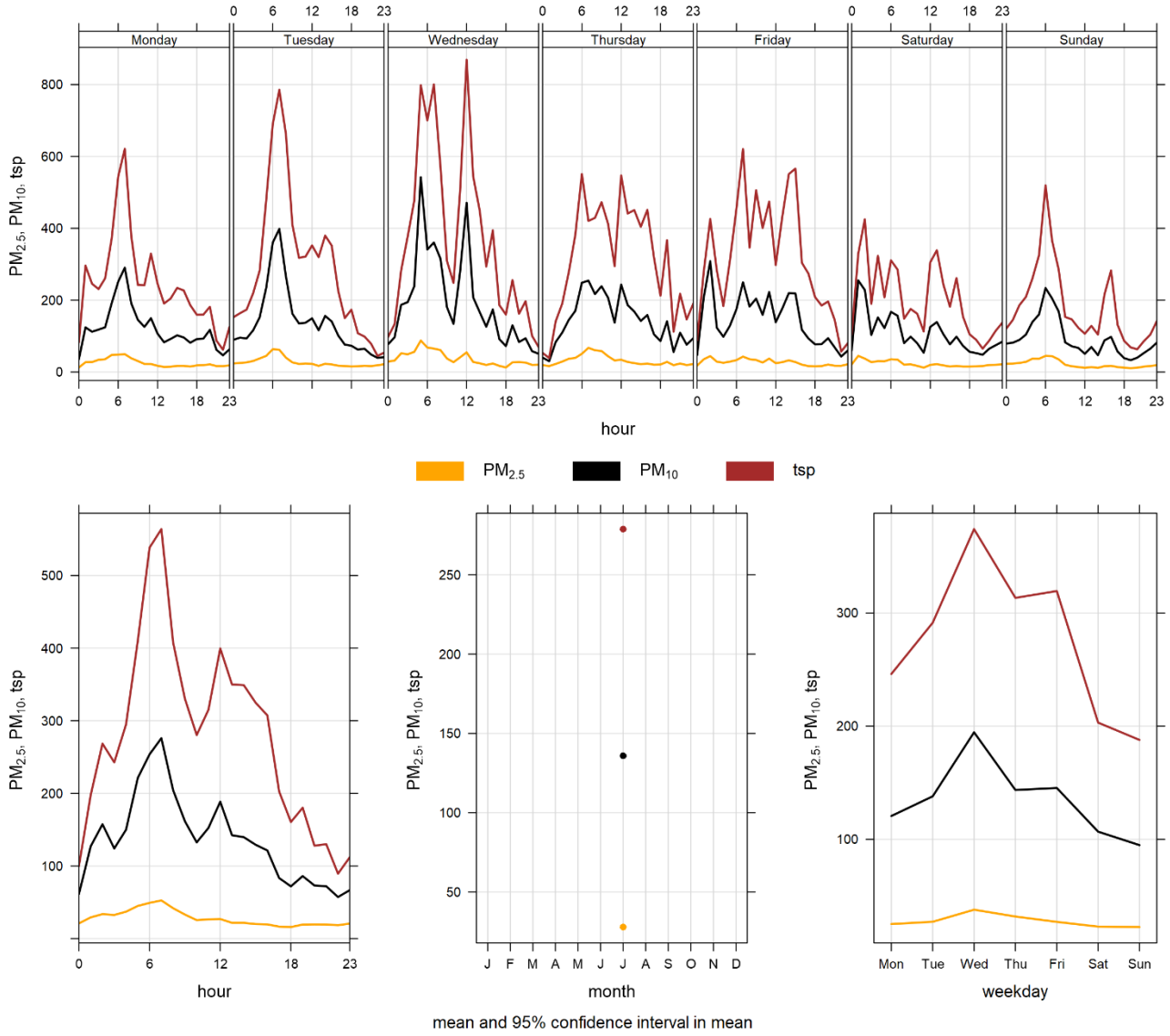

Figure 7-5 Entrance particule mater time variation

BIBLIOGRAPHY

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- Levelton Consultants Ltd. (2015, June 15). Comparison of GRIMM and E-BAM Data. Alberta, Can

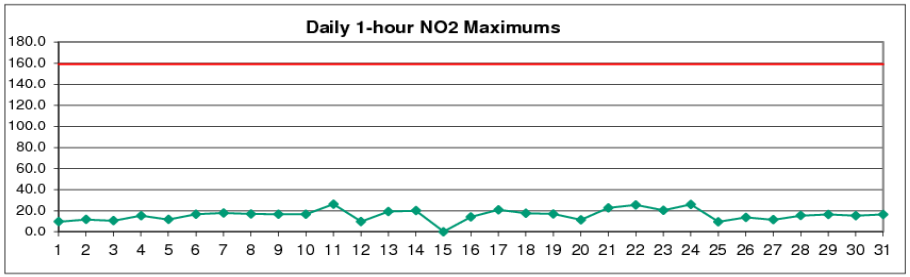
APPENDIX

A DATA & CALIBRATION REPORTS

APPENDIX

Lagoon NO_2 (ppb) – July 2024

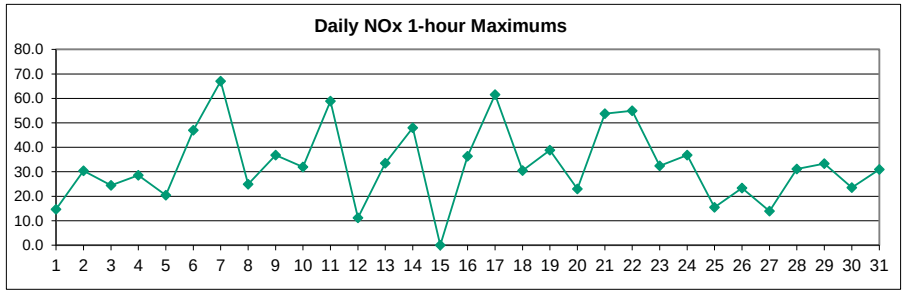
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	3.2	S	4.5	2.5	5.0	6.0	5.7	9.5	5.9	5.0	3.0	6.4	2.3	2.0	1.5	0.8	2.3	0.7	5.3	8.3	7.0	5.1	2.5	2.5	4.2	9.5
2	4.4	S	6.1	2.7	5.5	2.9	10.1	11.4	7.8	1.7	2.9	1.3	4.1	4.9	2.0	2.2	2.9	6.6	2.4	4.6	2.4	5.4	5.0	11.7	4.8	11.7
3	6.9	S	9.2	5.6	7.8	3.4	5.0	10.4	9.0	7.2	7.3	6.1	5.1	6.4	7.3	4.6	4.1	2.0	1.2	2.6	5.4	5.3	6.2	2.4	5.7	10.4
4	2.2	S	4.2	7.3	6.7	5.2	6.8	4.4	3.9	4.5	4.0	6.9	4.2	3.1	15.2	9.5	13.0	4.6	6.1	7.3	11.3	12.7	11.8	2.5	6.8	15.2
5	4.2	S	9.1	2.5	4.4	4.9	8.4	5.8	11.7	9.8	2.4	4.1	4.8	6.9	5.2	5.1	3.3	3.8	5.2	7.8	6.5	7.3	7.9	11.6	6.2	11.7
6	3.3	S	8.8	8.0	8.2	6.6	11.2	16.7	9.6	15.4	6.0	3.8	2.3	2.0	2.1	6.2	3.1	1.0	1.5	3.5	12.6	12.7	8.8	5.5	6.9	16.7
7	7.4	S	11.6	15.5	16.9	17.8	9.9	13.5	14.7	14.6	8.7	13.7	7.6	10.1	11.3	8.6	8.7	9.1	8.6	11.8	8.8	8.2	5.6	13.0	11.1	17.8
8	16.9	S	13.6	9.7	11.1	11.5	6.6	6.6	7.3	3.4	2.4	7.0	12.9	9.7	7.8	1.8	2.9	3.8	12.2	6.4	3.9	11.6	11.4	8.4	8.2	16.9
9	9.1	S	12.7	11.0	6.8	9.9	15.6	13.5	16.6	15.0	10.3	12.8	6.5	4.7	15.6	11.2	3.9	2.4	3.4	3.7	6.2	3.3	2.5	2.8	8.7	16.6
10	5.7	S	9.1	10.3	8.8	12.7	14.1	10.0	15.0	11.4	10.1	6.6	12.4	12.2	16.6	12.5	13.3	7.9	11.5	7.8	11.6	10.7	5.3	10.2	10.7	16.6
11	5.9	S	6.3	5.5	5.7	10.0	19.9	13.6	14.0	26.0	9.9	4.2	16.1	2.7	10.5	7.4	4.7	8.8	3.1	9.1	3.5	6.8	4.4	5.7	8.9	26.0
12	9.4	S	8.4	9.7	4.4	1.9	1.9	2.7	3.2	3.9	4.5	3.6	3.9	3.2	3.8	5.7	2.5	4.4	6.1	4.2	4.1	1.8	2.7	2.6	4.3	9.7
13	2.6	S	8.6	9.7	9.7	11.8	9.9	9.7	11.0	9.1	6.4	4.1	9.6	15.3	15.9	19.2	9.3	3.6	6.7	11.1	4.7	2.7	4.5	4.9	8.7	19.2
14	12.2	S	12.8	14.4	13.2	8.7	12.3	11.1	20.0	13.9	4.4	5.1	4.5	7.9	4.4	3.0	8.2	5.7	9.5	3.7	3.6	3.0	3.1	3.2	8.2	20.0
15	6.7	S	13.1	11.4	12.6	12.4	12.8	15.8	16.3	11.7	C	C	C	C	C	C	5.5	4.0	5.7	3.3	2.8	7.6	11.7	12.4	-	-
16	9.6	S	11.3	11.0	11.5	12.4	13.0	11.2	14.0	13.8	7.1	4.0	7.1	2.0	2.5	2.1	6.8	6.7	3.4	3.3	2.3	2.6	5.5	6.7	7.4	14.0
17	9.0	S	11.3	14.2	17.4	13.3	13.1	18.8	20.8	19.1	11.3	8.5	4.7	1.0	2.0	3.5	3.2	1.0	0.9	5.8	5.1	7.8	3.4	4.1	8.7	20.8
18	17.6	S	12.0	9.8	5.0	12.0	13.4	16.0	10.4	5.7	7.1	4.4	4.8	3.1	1.2	2.1	2.1	1.6	3.7	7.8	6.4	5.0	12.5	15.3	7.8	17.6
19	13.8	S	12.6	12.6	9.6	12.9	13.8	13.7	13.1	16.9	11.9	5.0	8.3	5.0	4.7	4.9	4.1	7.6	1.1	2.9	11.5	5.7	4.3	6.5	8.8	16.9
20	9.0	S	6.4	7.3	9.6	9.4	8.3	11.4	10.8	10.2	5.2	2.1	7.7	6.9	4.4	8.1	2.1	5.1	3.9	3.6	3.2	4.3	5.1	3.0	6.4	11.4
21	3.7	S	4.3	8.3	11.8	12.1	9.4	13.2	22.7	18.1	8.1	7.6	6.6	7.5	6.6	8.9	10.1	12.8	6.6	4.4	4.5	5.1	8.8	8.1	9.1	22.7
22	5.4	S	8.5	11.3	12.7	15.0	13.2	15.0	15.6	25.5	15.4	8.0	2.4	2.8	4.2	9.6	4.6	7.0	5.4	13.3	19.9	6.7	4.0	12.4	10.3	25.5
23	8.7	S	13.4	12.2	9.9	14.2	11.1	11.4	3.7	2.6	2.4	3.5	3.5	1.7	4.2	9.1	20.3	11.5	5.4	3.8	6.8	4.8	5.0	10.0	7.8	20.3
24	25.9	S	14.2	8.4	8.3	10.4	14.7	15.4	10.4	8.7	21.5	18.4	9.5	7.7	12.4	9.6	4.6	3.4	1.5	6.0	9.9	6.6	2.5	2.7	10.1	25.9
25	8.9	S	4.2	8.6	3.2	3.1	3.4	6.9	4.8	3.6	2.8	3.8	8.8	1.5	1.4	1.4	1.9	1.3	1.1	4.7	1.2	1.2	4.8	9.4	4.0	9.4
26	5.0	S	1.6	1.8	2.0	3.3	2.5	5.1	5.5	7.8	11.4	11.0	7.4	7.0	10.2	9.6	8.3	5.5	7.3	13.6	12.3	7.2	4.4	5.5	6.8	13.6
27	8.1	S	6.8	5.3	6.3	8.7	3.6	1.8	1.6	2.3	1.8	8.6	4.2	2.2	7.2	6.2	2.5	4.1	4.8	6.3	8.6	10.7	9.6	11.4	5.8	11.4
28	9.3	S	8.1	8.7	15.3	9.1	9.6	13.0	10.3	8.9	2.3	4.8	7.6	1.2	5.5	3.1	4.4	7.9	5.1	4.2	10.6	12.3	10.1	8.6	7.8	15.3
29	14.4	S	10.0	13.9	11.0	8.8	14.6	16.4	8.8	7.4	4.6	6.2	3.1	13.5	12.7	12.3	12.0	10.0	10.9	9.4	2.6	2.8	2.5	4.1	9.2	16.4
30	3.9	S	4.7	6.0	7.0	8.1	12.7	15.3	9.2	6.0	1.7	1.0	1.6	2.2	1.6	3.6	1.6	1.1	0.9	1.7	3.9	6.6	6.9	8.2	5.0	15.3
31	3.0	S	9.6	5.0	5.8	8.1	11.4	9.6	4.4	14.5	8.9	3.0	7.7	13.8	14.0	9.5	5.0	6.3	11.8	16.5	9.4	4.5	2.5	6.3	8.3	16.5
NO.	31	-	31	31	31	31	31	31	31	31	30	30	30	30	30	30	31	31	31	31	31	31	31	31	707	100.0%
MEAN	8.2	-	8.9	8.7	8.8	9.3	10.3	11.3	10.7	10.4	6.9	6.2	6.4	5.7	7.1	6.7	5.9	5.2	5.2	6.5	6.9	6.4	6.0	7.1		
MAX	25.9	-	14.2	15.5	17.4	17.8	19.9	18.8	22.7	26.0	21.5	18.4	16.1	15.3	16.6	19.2	20.3	12.8	12.2	16.5	19.9	12.7	12.5	15.3		



Number of 1HR Exceedences	0		
Number of Non-Zero Readings	707		
Maximum 1-HR Average	26.0 PPB		
Maximum 24-HR Average	11.1 PPB		
		Operational Time	744 HRS
Monthly Calibration	6	Operational Uptime	100.0 %
Standard Deviation	4.5	Monthly Average	7.6 PPB

Lagoon NOx (ppb) – July 2024

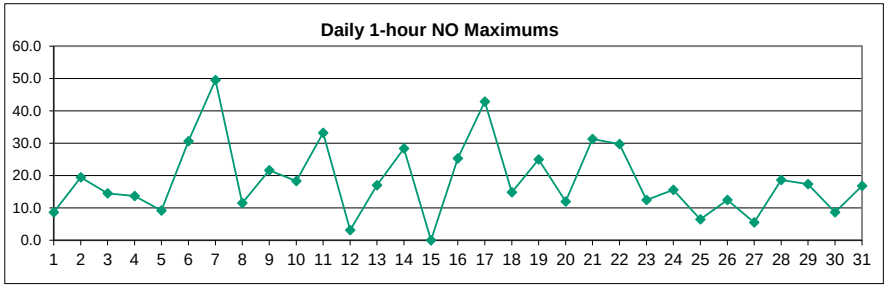
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	3.1	S	6.0	2.2	8.4	9.6	6.0	11.2	9.3	8.2	4.4	14.6	3.5	3.0	2.2	0.4	2.6	0.6	7.7	10.4	10.2	5.6	2.3	2.2	5.8	14.6
2	4.8	S	6.1	2.3	7.5	3.3	21.7	30.4	14.6	1.8	3.9	1.2	7.7	8.4	2.1	2.6	4.0	10.1	2.4	6.8	1.9	6.6	4.9	15.2	7.4	30.4
3	6.8	S	14.1	9.7	17.0	5.2	10.8	24.5	16.0	13.5	13.0	9.1	8.0	9.9	11.9	7.1	5.3	2.3	1.1	2.6	6.7	5.0	8.3	2.4	9.1	24.5
4	1.9	S	4.8	8.1	8.2	6.6	16.9	10.8	9.4	8.9	6.3	11.9	6.0	4.0	28.6	15.5	21.3	5.5	7.0	9.0	14.8	14.4	11.7	1.9	10.2	28.6
5	3.9	S	8.8	2.1	5.4	5.4	13.9	8.6	20.5	17.4	2.6	5.4	6.5	9.8	7.2	6.9	3.8	4.4	6.6	10.1	7.6	8.1	7.7	12.9	8.1	20.5
6	2.9	S	10.5	7.6	8.5	9.0	29.9	47.0	19.7	37.9	9.3	5.2	2.8	2.3	2.0	8.1	4.0	0.6	1.1	3.3	14.4	12.7	8.4	5.3	11.0	47.0
7	8.9	S	19.0	33.4	57.7	67.0	26.0	41.2	41.9	34.7	18.4	31.0	13.5	19.2	18.5	12.6	12.1	13.0	10.4	13.6	8.7	8.1	5.3	14.9	23.0	67.0
8	24.9	S	21.0	14.2	18.3	22.5	10.1	10.3	11.5	4.0	2.5	12.4	21.9	14.7	11.9	1.8	3.6	4.1	14.3	6.5	4.2	12.7	11.4	7.9	11.6	24.9
9	22.9	S	16.7	13.1	8.4	19.0	36.8	32.7	34.9	28.9	13.4	18.2	7.2	5.2	27.0	19.2	4.5	2.1	3.5	3.4	5.8	2.9	2.0	2.3	14.3	36.8
10	5.2	S	9.4	12.2	12.5	23.8	32.0	19.4	28.2	21.2	14.6	8.0	17.8	18.9	29.2	19.6	23.4	11.0	16.4	8.9	13.2	10.3	5.6	9.9	16.1	32.0
11	5.3	S	5.7	5.0	5.6	13.2	49.4	23.4	28.8	58.9	12.6	4.4	25.9	2.7	15.7	9.8	5.1	10.9	2.7	9.2	3.1	6.4	4.0	5.2	13.6	58.9
12	9.6	S	11.2	9.8	4.0	1.4	1.4	2.6	3.6	4.9	5.7	4.1	4.5	3.4	4.2	7.3	2.4	5.9	6.6	4.3	3.7	1.3	2.3	2.1	4.6	11.2
13	2.1	S	9.8	10.0	15.7	19.2	19.9	21.7	27.6	16.2	9.0	5.4	17.1	28.8	30.6	33.5	13.2	3.9	7.0	12.9	4.7	2.2	4.1	4.4	13.9	33.5
14	13.5	S	14.7	24.2	16.7	24.8	20.9	17.5	48.0	21.7	5.8	6.7	5.1	10.4	5.2	2.9	11.2	6.5	11.8	3.3	3.2	2.5	2.7	2.8	12.3	48.0
15	7.0	S	19.3	22.9	27.8	39.1	42.3	50.4	42.7	25.9	C	C	C	C	C	C	6.8	4.0	6.3	3.1	2.4	8.6	12.7	19.1	-	-
16	11.8	S	36.4	12.0	16.4	21.4	23.1	25.2	35.8	27.4	9.1	5.1	11.5	1.8	2.6	2.2	14.1	9.3	3.4	3.1	2.0	2.4	5.3	7.4	12.6	36.4
17	10.2	S	15.7	32.0	48.2	28.0	36.6	61.5	54.0	39.6	19.8	12.7	5.8	0.6	1.9	4.9	4.4	0.7	0.6	8.7	5.5	7.7	3.0	3.7	17.6	61.5
18	21.8	S	13.8	10.4	5.2	25.8	23.5	30.5	15.1	6.8	9.0	4.7	5.1	3.3	0.8	1.9	1.7	1.3	3.5	9.2	6.0	4.7	16.4	22.2	10.5	30.5
19	15.5	S	16.3	21.1	17.6	30.4	37.3	38.3	29.5	38.9	19.0	5.4	9.1	6.0	5.6	6.3	4.2	9.2	0.9	2.9	13.4	5.3	4.3	12.1	15.2	38.9
20	12.0	S	6.2	13.2	9.4	9.7	9.4	23.0	16.7	18.1	6.4	2.0	9.1	8.1	5.0	10.9	1.8	10.0	4.3	3.4	2.9	4.0	4.8	2.6	8.4	23.0
21	3.4	S	4.0	8.2	11.8	14.5	13.5	27.2	53.7	36.5	9.8	9.1	7.5	8.9	7.8	11.8	12.3	15.8	7.1	4.4	4.1	4.7	8.4	7.6	12.7	53.7
22	5.3	S	8.2	11.1	17.0	22.8	20.0	25.0	30.1	55.0	22.1	8.7	2.4	2.8	4.3	10.7	4.8	8.0	5.1	16.0	24.2	6.4	3.7	13.2	14.2	55.0
23	8.3	S	17.4	17.8	11.1	15.7	12.3	13.2	3.8	2.6	2.4	3.8	3.7	1.4	4.8	12.2	32.5	16.1	6.7	3.5	6.5	4.5	4.6	9.9	9.3	32.5
24	36.8	S	14.7	8.2	8.4	12.9	17.8	23.4	13.5	10.4	36.8	29.2	16.1	11.3	23.1	13.6	6.9	3.6	1.2	6.6	10.8	7.1	2.0	2.3	13.8	36.8
25	10.3	S	3.9	10.6	2.8	2.8	3.7	12.5	5.9	3.9	3.1	3.8	12.6	1.2	1.1	1.0	1.6	0.9	0.7	6.6	0.7	0.9	6.9	15.5	4.9	15.5
26	6.6	S	1.3	1.7	2.0	4.6	2.8	7.4	8.5	14.8	22.9	23.0	13.2	12.0	18.2	18.3	14.8	9.3	12.1	23.4	21.6	10.1	4.9	5.8	11.3	23.4
27	10.0	S	7.8	5.8	8.1	10.7	3.4	1.5	1.4	2.4	1.8	13.8	5.8	2.4	11.1	9.6	2.8	4.6	5.5	6.9	12.2	10.7	11.8	14.0	7.1	14.0
28	12.2	S	10.4	18.8	30.7	14.6	15.7	31.2	22.9	14.9	2.5	6.5	12.7	0.9	8.5	3.7	5.7	12.1	5.3	5.8	10.7	13.0	11.1	9.0	12.1	31.2
29	18.5	S	10.6	18.8	15.3	11.1	30.2	33.3	13.8	9.5	6.4	8.6	3.8	23.6	20.1	18.2	18.4	15.0	15.7	13.6	2.4	2.6	2.2	4.4	13.7	33.3
30	3.8	S	4.5	6.4	8.0	8.1	17.9	23.5	11.6	8.9	1.9	1.1	2.1	3.4	2.0	6.9	1.8	1.0	0.7	2.1	5.2	9.3	8.3	10.4	6.5	23.5
31	2.8	S	14.7	5.7	8.6	16.5	21.6	17.8	6.6	31.0	19.3	5.8	14.1	27.4	27.5	17.9	7.7	9.5	20.6	30.2	13.5	5.2	2.5	6.1	14.5	31.0
NO.	31	-	31	31	31	31	31	31	31	31	30	30	30	30	30	30	31	31	31	31	31	31	31	31	707	100.0%
MEAN	10.1	-	11.7	12.2	14.3	16.7	20.2	24.1	21.9	20.2	10.5	9.4	9.4	8.5	11.4	9.9	8.4	6.8	6.4	8.2	7.9	6.6	6.2	8.2		
MAX	36.8	-	36.4	33.4	57.7	67.0	49.4	61.5	54.0	58.9	36.8	31.0	25.9	28.8	30.6	33.5	32.5	16.1	20.6	30.2	24.2	14.4	16.4	22.2		



Number of Non-Zero Readings	707		
Maximum 1-HR Average	67.0 PPB		
Maximum 24-HR Average	23.0 PPB		
		Operational Time	744 HRS
Monthly Calibration	6	Operational Uptime	100.0 %
Standard Deviation	10.4	Monthly Average	11.7 PPB

Lagoon NO (ppb) – July 2024

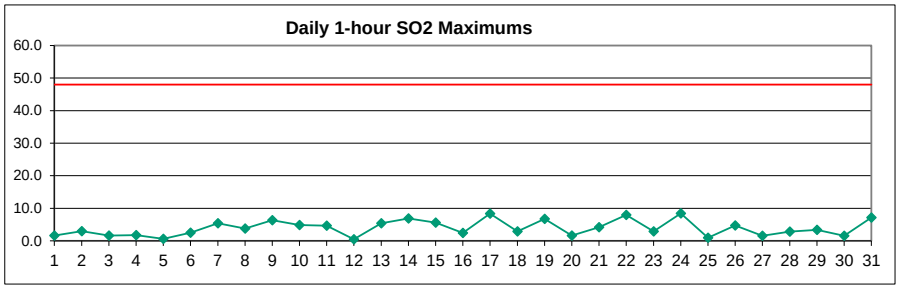
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	0.2	S	1.9	0.0	3.7	4.0	0.7	2.1	3.7	3.6	1.8	8.6	1.5	1.3	0.9	0.0	0.6	0.1	2.8	2.5	3.5	0.8	0.1	0.0	1.9	8.6
2	0.8	S	0.3	0.0	2.4	0.7	12.1	19.5	7.2	0.4	1.3	0.2	4.0	3.9	0.4	0.8	1.4	3.9	0.3	2.5	0.0	1.5	0.2	3.9	2.9	19.5
3	0.2	S	5.3	4.5	9.6	2.0	6.2	14.5	7.5	6.8	6.2	3.4	3.3	3.9	5.0	2.9	1.5	0.6	0.2	0.3	1.6	0.1	2.5	0.3	3.8	14.5
4	0.0	S	0.9	1.1	1.9	1.7	10.6	6.9	6.0	4.8	2.7	5.5	2.1	1.3	13.7	6.3	8.6	1.3	1.3	2.1	3.8	2.1	0.3	0.0	3.7	13.7
5	0.1	S	0.1	0.0	1.3	0.8	5.8	3.2	9.2	8.0	0.5	1.6	2.0	3.3	2.4	2.2	0.8	0.9	1.8	2.7	1.4	1.1	0.2	1.8	2.2	9.2
6	0.0	S	2.1	0.0	0.7	2.7	19.0	30.6	10.4	22.9	3.6	1.7	0.8	0.6	0.2	2.3	1.3	0.0	0.0	0.1	2.2	0.4	0.0	0.1	4.4	30.6
7	1.9	S	7.8	18.2	41.1	49.6	16.5	28.0	27.5	20.4	10.0	17.6	6.2	9.4	7.6	4.3	3.8	4.3	2.2	2.2	0.3	0.2	0.0	2.4	12.2	49.6
8	8.4	S	7.8	5.0	7.7	11.5	3.9	4.2	4.6	0.9	0.4	5.7	9.4	5.3	4.5	0.3	1.0	0.6	2.5	0.5	0.6	1.5	0.4	0.0	3.8	11.5
9	14.1	S	4.4	2.5	2.0	9.5	21.6	19.7	18.6	14.4	3.5	5.8	1.1	0.9	11.8	8.4	1.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	6.1	21.6
10	0.0	S	0.8	2.4	4.2	11.5	18.3	9.8	13.7	10.1	4.9	1.8	5.8	7.1	13.0	7.4	10.6	3.6	5.3	1.4	2.0	0.0	0.6	0.2	5.8	18.3
11	0.0	S	0.0	0.0	0.3	3.7	29.8	10.2	15.3	33.2	3.2	0.5	10.2	0.4	5.6	2.8	0.8	2.5	0.0	0.5	0.0	0.0	0.0	0.0	5.2	33.2
12	0.6	S	3.1	0.4	0.0	0.0	0.0	0.2	0.8	1.4	1.5	0.8	0.9	0.5	0.7	1.9	0.2	1.9	0.9	0.4	0.0	0.0	0.0	0.0	0.7	3.1
13	0.0	S	1.6	0.8	6.4	7.8	10.5	12.4	17.0	7.5	2.9	1.6	7.9	13.8	15.1	14.7	4.3	0.6	0.7	2.1	0.4	0.0	0.0	0.0	5.6	17.0
14	1.7	S	2.3	10.1	4.0	16.6	9.0	6.9	28.4	8.2	1.7	2.0	1.0	2.9	1.1	0.2	3.4	1.2	2.6	0.0	0.0	0.0	0.0	0.0	4.5	28.4
15	0.6	S	6.6	11.9	15.6	27.0	29.8	34.9	26.7	14.5	C	C	C	C	C	C	1.6	0.2	0.8	0.0	0.0	1.2	1.3	7.0	-	-
16	2.5	S	25.3	1.4	5.3	9.3	10.5	14.4	22.1	13.9	2.2	1.3	4.6	0.0	0.3	0.2	7.5	2.9	0.2	0.0	0.0	0.0	0.0	0.9	5.4	25.3
17	1.4	S	4.7	18.1	30.9	15.1	23.7	42.8	33.3	20.7	8.7	4.4	1.3	0.0	0.1	1.6	1.5	0.0	0.0	3.1	0.6	0.3	0.0	0.0	9.2	42.8
18	4.5	S	2.2	0.9	0.4	14.1	10.5	14.9	5.1	1.4	2.3	0.6	0.6	0.5	0.0	0.2	0.0	0.0	0.1	1.8	0.0	0.0	4.2	7.2	3.1	14.9
19	2.2	S	4.1	9.0	8.4	17.9	23.9	25.0	16.7	22.3	7.6	0.8	1.1	1.3	1.3	1.7	0.4	2.0	0.0	0.3	2.2	0.0	0.3	5.9	6.7	25.0
20	3.3	S	0.2	6.2	0.3	0.7	1.6	12.0	6.4	8.3	1.7	0.2	1.7	1.6	0.9	3.1	0.0	5.3	0.7	0.2	0.0	0.0	0.1	0.0	2.4	12.0
21	0.0	S	0.0	0.2	0.4	2.9	4.5	14.4	31.3	18.7	2.0	1.9	1.2	1.8	1.6	3.3	2.6	3.3	0.8	0.3	0.0	0.0	0.0	0.0	4.0	31.3
22	0.3	S	0.1	0.2	4.7	8.2	7.2	10.4	14.8	29.8	7.0	1.0	0.3	0.3	0.4	1.5	0.5	1.4	0.1	3.1	4.7	0.1	0.1	1.2	4.2	29.8
23	0.0	S	4.5	5.9	1.6	2.0	1.7	2.2	0.4	0.3	0.2	0.6	0.5	0.0	0.9	3.3	12.4	5.0	1.6	0.0	0.0	0.0	0.0	0.2	1.9	12.4
24	11.2	S	0.8	0.1	0.5	2.9	3.5	8.5	3.5	2.1	15.6	11.1	6.9	4.0	11.0	4.3	2.6	0.5	0.0	0.9	1.3	0.8	0.0	0.0	4.0	15.6
25	1.8	S	0.0	2.4	0.0	0.1	0.7	6.0	1.6	0.6	0.6	0.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.4	6.5	1.3	6.5
26	2.0	S	0.0	0.2	0.3	1.6	0.6	2.6	3.4	7.4	12.0	12.5	6.2	5.5	8.4	9.1	6.9	4.2	5.1	10.2	9.6	3.3	0.8	0.7	4.9	12.5
27	2.3	S	1.3	0.8	2.1	2.3	0.2	0.1	0.1	0.3	0.4	5.5	2.0	0.6	4.3	3.8	0.6	0.8	1.0	1.0	3.9	0.5	2.6	3.0	1.7	5.5
28	3.4	S	2.7	10.5	15.7	5.9	6.7	18.7	13.0	6.5	0.5	2.1	5.4	0.1	3.3	1.0	1.6	4.5	0.6	1.8	0.5	1.2	1.4	0.8	4.7	18.7
29	4.6	S	1.0	5.3	4.7	2.7	16.0	17.3	5.5	2.5	2.2	2.8	1.0	10.5	7.8	6.4	6.8	5.4	5.2	4.5	0.1	0.2	0.1	0.7	4.9	17.3
30	0.2	S	0.2	0.8	1.4	0.4	5.6	8.7	2.8	3.3	0.6	0.4	0.8	1.5	0.8	3.6	0.5	0.3	0.1	0.7	1.7	3.0	1.7	2.6	1.8	8.7
31	0.1	S	5.6	1.0	3.2	8.8	10.6	8.6	2.6	16.8	10.8	3.2	6.8	14.1	13.8	8.8	3.1	3.5	9.2	14.1	4.5	1.0	0.3	0.2	6.5	16.8
NO.	31	-	31	31	31	31	31	31	31	31	30	30	30	30	30	30	31	31	31	31	31	31	31	31	707	100.0%
MEAN	2.2	-	3.2	3.9	5.8	7.9	10.4	13.2	11.6	10.1	4.0	3.5	3.4	3.2	4.6	3.5	2.8	2.0	1.5	2.0	1.5	0.6	0.6	1.5		
MAX	14.1	-	25.3	18.2	41.1	49.6	29.8	42.8	33.3	33.2	15.6	17.6	10.2	14.1	15.1	14.7	12.4	5.4	9.2	14.1	9.6	3.3	4.2	7.2		



Number of Non-Zero Readings	629		
Maximum 1-HR Average	49.6 PPB		
Maximum 24-HR Average	12.2 PPB		
		Operational Time	744 HRS
Monthly Calibration	6	Operational Uptime	100.0 %
Standard Deviation	6.656	Monthly Average	4.5 PPB

Lagoon SO_2 (ppb) – July 2024

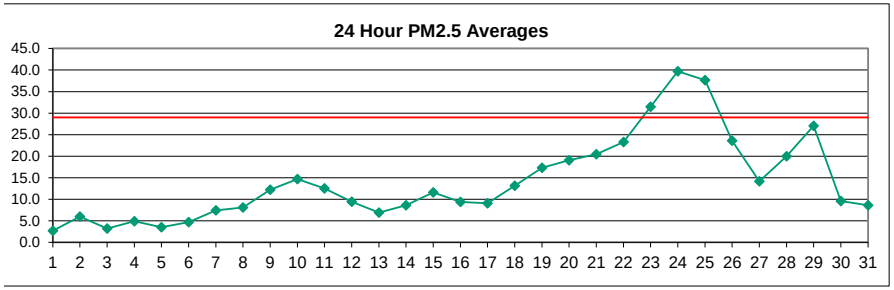
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	0.0	S	0.3	0.0	0.2	0.7	0.3	0.0	0.1	0.0	0.0	1.6	0.2	0.0	0.2	0.1	0.0	0.0	0.2	0.3	0.1	0.1	0.0	0.0	0.2	1.6
2	0.1	S	0.0	0.0	0.1	0.0	0.9	3.0	1.1	0.0	0.1	0.0	1.4	1.1	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.3	0.4	3.0
3	0.0	S	0.0	0.2	0.6	0.1	0.6	1.6	0.2	0.1	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	0.2	1.6
4	0.0	S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.2	1.7	0.9	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.7
5	0.0	S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.4	0.0	0.1	0.0	0.1	0.0	0.2	0.1	0.6	0.1	0.6
6	0.1	S	0.3	0.0	0.0	0.2	1.6	2.5	1.2	2.3	0.6	0.1	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.4	0.1	0.1	0.0	0.0	0.5	2.5
7	0.0	S	0.3	1.2	2.4	3.5	1.5	3.6	4.6	4.9	2.7	5.4	2.0	2.7	1.8	2.4	1.8	0.1	0.1	0.0	0.1	0.1	0.1	1.5	1.9	5.4
8	3.8	S	1.9	2.0	2.1	1.8	0.9	1.0	1.6	0.1	0.0	1.4	3.0	2.1	0.9	0.1	0.2	0.5	0.6	0.9	0.9	0.5	0.3	0.0	1.2	3.8
9	0.3	S	0.4	0.5	0.3	1.4	4.3	4.5	6.4	4.0	1.5	5.5	1.6	1.6	2.2	2.5	0.6	0.6	0.4	0.3	0.4	0.4	0.2	0.2	1.7	6.4
10	0.1	S	0.3	1.0	1.1	2.2	2.5	2.1	3.2	3.0	2.3	0.8	1.3	1.6	4.5	2.2	4.8	2.5	2.2	1.6	1.2	0.2	0.2	0.1	1.8	4.8
11	0.1	S	0.0	0.3	0.5	1.3	4.2	0.9	1.7	4.7	1.0	0.6	2.5	0.3	1.8	1.1	1.3	1.1	0.9	0.5	0.4	0.0	0.0	0.0	1.1	4.7
12	0.0	S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
13	0.0	S	0.0	0.0	0.0	0.4	1.3	1.3	3.2	1.2	0.0	0.0	1.8	3.9	5.1	5.4	1.3	0.7	0.3	0.2	0.0	0.0	0.0	0.0	1.1	5.4
14	0.0	S	0.0	0.0	0.0	0.0	0.0	0.5	6.9	2.8	0.0	0.0	0.4	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	6.9
15	0.0	S	0.0	0.0	0.2	1.7	2.1	3.4	3.1	1.3	C	C	C	C	0.8	1.8	1.6	1.3	2.6	5.6	1.8	0.7	0.3	0.2	1.5	5.6
16	0.1	S	0.4	0.0	0.1	0.0	0.5	1.5	2.5	2.3	1.0	0.6	0.6	0.9	0.5	0.4	0.6	0.5	0.2	0.3	0.3	0.2	0.1	0.1	0.6	2.5
17	0.1	S	0.5	2.4	5.4	3.4	4.3	8.3	6.8	4.1	1.3	1.0	0.6	0.5	0.4	0.2	0.2	0.3	0.1	0.3	0.5	0.5	0.5	0.7	1.8	8.3
18	0.7	S	0.3	0.4	0.4	2.3	2.9	2.9	1.9	0.4	0.4	0.0	0.4	0.2	0.1	0.3	0.1	0.1	0.2	0.4	0.5	0.3	0.3	1.0	0.7	2.9
19	0.2	S	0.2	1.2	1.0	2.9	3.9	4.3	3.8	6.8	2.8	0.6	1.2	0.5	0.3	0.2	0.1	1.4	0.1	0.3	0.5	0.3	0.1	0.2	1.4	6.8
20	0.0	S	0.1	0.0	0.0	0.0	0.0	1.1	1.2	1.3	0.4	0.0	0.6	1.6	1.2	1.0	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.2	0.5	1.6
21	0.1	S	0.0	0.0	0.0	0.1	0.5	1.8	4.2	3.4	1.0	0.8	0.6	0.5	0.6	1.4	2.3	1.3	0.6	0.2	0.1	0.2	0.2	0.0	0.9	4.2
22	0.0	S	0.1	0.2	0.5	1.6	1.4	2.9	3.2	7.9	3.1	1.1	0.8	0.9	0.8	0.9	1.3	0.7	0.7	2.0	3.1	0.6	0.3	0.3	1.5	7.9
23	0.2	S	0.8	1.4	0.6	0.5	0.6	0.7	0.1	0.2	0.3	0.3	0.3	0.2	0.3	1.1	2.9	0.9	0.4	0.3	0.5	0.4	0.4	0.3	0.6	2.9
24	0.4	S	0.1	0.2	0.1	0.4	0.4	0.9	0.5	0.7	8.4	7.1	4.0	3.1	4.4	3.3	2.3	0.6	0.3	1.0	1.1	0.6	0.3	0.4	1.8	8.4
25	0.4	S	0.1	0.3	0.2	0.3	0.2	0.4	0.3	0.3	0.2	0.4	1.0	0.2	0.2	0.3	0.2	0.2	0.3	0.5	0.2	0.1	0.7	1.0	0.3	1.0
26	0.4	S	0.3	0.2	0.1	0.3	0.2	0.2	0.3	2.0	4.2	3.8	3.0	2.3	4.7	3.3	1.3	2.3	1.2	1.9	1.8	1.1	0.4	0.4	1.6	4.7
27	0.7	S	0.6	0.5	0.5	0.6	0.1	0.1	0.1	0.2	0.3	0.4	0.3	0.2	1.2	1.2	0.4	0.3	0.4	0.3	0.2	0.5	0.6	1.5	0.5	1.5
28	1.4	S	0.9	1.8	2.7	1.2	1.4	2.8	1.9	1.2	0.4	0.6	1.3	0.3	1.1	0.3	0.6	1.0	0.3	0.7	0.5	0.6	0.7	0.8	1.1	2.8
29	2.1	S	1.0	1.8	1.3	1.0	2.4	3.1	1.6	0.7	0.6	0.7	0.5	3.4	2.1	1.9	2.4	1.6	2.2	2.0	0.5	0.5	0.4	0.4	1.5	3.4
30	0.3	S	0.4	0.7	0.5	0.5	0.6	0.9	0.6	0.4	0.3	0.3	0.2	0.2	0.3	1.6	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.4	1.6
31	0.1	S	1.1	0.6	1.3	1.2	1.9	1.7	1.1	6.2	4.2	1.1	3.0	7.2	7.1	4.7	0.7	2.8	4.3	4.5	1.6	0.7	0.1	0.2	2.5	7.2
NO.	31	-	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	31	709	100.0%
MEAN	0.4	-	0.3	0.5	0.7	1.0	1.3	1.9	2.0	2.0	1.2	1.2	1.1	1.2	1.4	1.2	0.9	0.7	0.6	0.8	0.5	0.3	0.2	0.3		
MAX	3.8	-	1.9	2.4	5.4	3.5	4.3	8.3	6.9	7.9	8.4	7.1	4.0	7.2	7.1	5.4	4.8	2.8	4.3	5.6	3.1	1.1	0.7	1.5		



Number of 1HR Exceedences	0		
Number of Non-Zero Readings	586		
Maximum 1-HR Average	8.4 PPB		
Maximum 24-HR Average	2.5 PPB		
		Operational Time	744 HRS
Monthly Calibration	4	Operational Uptime	100.0 %
Standard Deviation	1.381	Monthly Average	1.0 PPB

Lagoon $PM_{2.5}$ (µg/m^3) – July 2024

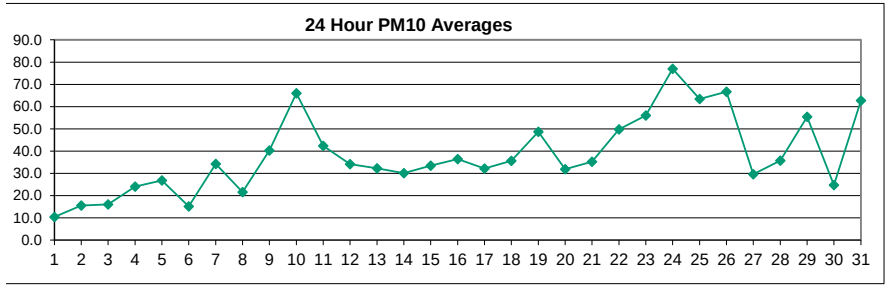
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	0.4	0.0	0.9	2.5	2.8	2.7	1.3	1.1	2.8	5.0	3.4	2.7	6.0	2.3	1.6	3.7	1.1	0.2	0.0	0.0	21.8	2.2	0.0	0.0	2.7	21.8
2	6.3	5.8	3.7	1.0	0.0	0.2	3.1	4.5	3.0	13.2	9.7	15.8	10.4	4.5	2.4	1.0	9.0	8.2	3.8	3.2	6.3	3.1	3.4	22.4	6.0	22.4
3	0.9	2.1	2.5	3.6	2.4	3.8	2.0	5.6	6.3	5.8	6.0	6.2	3.9	4.9	3.0	0.3	2.9	3.2	3.9	1.4	3.9	1.4	0.0	1.1	3.2	6.3
4	0.2	0.8	0.0	0.0	0.3	0.0	0.0	3.2	1.8	4.2	6.2	4.6	2.8	C	C	C	12.5	8.0	6.4	24.3	9.6	10.1	5.8	1.9	4.9	24.3
5	0.9	3.0	4.5	3.1	1.5	1.1	3.0	2.4	5.0	5.3	5.3	6.2	4.0	2.4	3.2	5.5	4.0	1.9	1.5	0.0	5.9	5.4	3.5	5.7	3.5	6.2
6	8.2	7.0	4.2	4.2	3.5	2.4	4.4	3.1	1.9	0.5	3.8	4.2	1.6	0.0	0.0	2.6	6.9	10.4	5.9	0.0	0.5	14.3	14.9	8.3	4.7	14.9
7	4.2	3.7	8.9	8.2	10.1	6.6	5.5	4.2	6.5	10.2	13.9	10.7	7.0	7.4	4.2	1.0	3.2	4.6	6.5	4.6	6.6	10.3	11.0	19.5	7.4	19.5
8	9.6	11.1	8.6	7.6	4.9	2.2	6.0	8.3	6.2	5.3	6.7	5.7	5.4	5.3	6.3	6.0	3.1	5.7	16.6	17.2	13.4	9.3	15.0	8.7	8.1	17.2
9	7.5	10.0	12.0	15.4	18.6	11.8	12.6	15.4	13.9	17.0	15.9	21.2	19.1	18.1	17.1	8.6	6.9	3.5	4.3	4.1	8.9	13.8	9.7	7.6	12.2	21.2
10	8.3	13.0	9.7	11.0	20.2	11.9	19.5	18.0	15.9	14.4	15.7	29.5	21.8	31.5	18.5	13.5	16.1	11.0	8.9	12.0	9.5	5.5	7.5	8.9	14.7	31.5
11	11.3	6.9	5.0	17.8	14.7	9.5	14.1	16.1	16.1	13.8	21.3	14.1	15.3	9.2	4.6	9.6	8.5	12.4	10.4	11.7	18.7	10.0	14.8	15.2	12.5	21.3
12	16.7	14.9	16.6	13.7	20.1	10.9	7.0	3.5	2.5	2.5	4.6	7.3	17.8	7.8	5.5	3.8	5.7	6.6	8.8	14.2	11.8	11.1	7.6	5.2	9.4	20.1
13	6.4	6.8	5.8	5.3	8.4	7.8	6.4	6.4	6.5	8.0	7.1	5.2	0.7	0.0	6.6	8.2	7.1	4.6	2.7	6.3	7.3	32.8	4.9	4.9	6.9	32.8
14	5.0	9.2	9.5	6.0	8.7	10.1	9.1	10.8	9.6	8.7	8.2	7.4	6.5	6.1	6.6	7.6	16.6	11.2	9.3	7.5	9.8	8.3	7.5	7.0	8.6	16.6
15	6.3	7.0	9.0	12.5	12.6	13.6	13.7	15.8	15.4	15.2	16.2	21.4	17.9	8.7	6.9	7.8	17.5	12.0	8.0	10.0	9.4	6.0	8.5	6.6	11.6	21.4
16	13.4	9.6	7.9	10.5	6.6	5.8	10.1	10.2	19.3	15.3	12.0	8.4	8.8	8.8	9.5	6.9	10.3	10.0	7.5	5.7	7.5	7.4	6.9	6.8	9.4	19.3
17	6.8	8.8	8.2	7.4	6.7	10.2	10.1	9.9	15.2	13.9	13.2	12.3	11.2	8.7	5.5	5.9	6.7	10.4	8.8	6.6	6.2	5.4	9.2	10.5	9.1	15.2
18	10.5	15.9	10.2	12.8	9.5	13.0	13.0	12.4	14.5	12.9	12.7	18.0	11.9	16.9	17.0	10.9	10.3	11.0	9.2	15.3	20.2	13.5	12.1	11.5	13.1	20.2
19	16.1	21.2	18.5	19.6	22.2	22.1	17.7	19.9	18.3	21.5	20.5	19.3	13.8	17.4	16.3	12.9	9.3	10.4	12.4	13.1	13.3	11.4	22.4	26.0	17.3	26.0
20	29.1	28.2	29.9	20.3	20.6	19.4	18.3	15.6	20.9	20.3	20.8	17.3	23.1	17.4	20.2	19.9	14.8	15.1	11.5	14.4	17.4	14.0	17.2	11.8	19.1	29.9
21	9.2	18.4	15.0	17.2	14.5	18.3	24.5	22.8	25.2	27.9	29.8	39.5	17.0	18.6	14.1	22.6	43.6	17.0	12.3	17.7	12.8	10.7	22.7	20.0	20.5	43.6
22	14.1	12.6	12.1	20.4	17.4	21.0	21.3	23.8	24.7	20.5	20.9	32.4	22.0	22.5	26.9	27.1	23.4	25.7	29.4	23.8	34.9	27.4	25.8	28.2	23.3	34.9
23	29.5	23.4	21.1	25.2	28.5	23.1	29.5	41.6	42.4	34.9	26.8	29.8	30.1	27.7	25.2	23.7	22.6	25.1	28.7	33.2	36.1	45.5	55.6	46.5	31.5	55.6
24	46.2	48.1	45.4	42.4	41.0	49.6	49.8	58.8	57.0	51.2	38.7	26.9	17.6	16.5	11.1	10.9	8.6	8.8	9.6	10.9	50.9	114.2	99.8	39.2	39.7	114.2
25	34.8	30.7	39.2	28.9	29.9	28.9	32.4	34.0	68.9	116.7	119.8	59.8	48.9	32.4	19.0	11.1	21.1	21.1	21.8	21.9	34.7	22.1	8.5	16.8	37.6	119.8
26	16.2	10.3	5.9	6.3	7.8	8.6	10.3	12.0	14.6	9.3	10.7	58.2	20.4	21.0	57.9	47.4	35.8	37.6	32.4	33.8	35.2	22.4	32.2	20.0	23.6	58.2
27	26.6	17.2	25.9	13.9	10.6	8.4	11.6	9.5	6.0	5.0	3.8	4.9	10.7	8.6	9.7	32.7	20.8	15.4	12.0	19.2	20.1	12.2	18.4	16.7	14.2	32.7
28	20.7	16.7	19.7	15.4	18.7	18.2	16.2	13.3	18.0	10.9	12.4	15.4	20.6	17.3	17.6	24.1	20.5	19.0	19.2	21.8	30.6	30.5	33.7	29.7	20.0	33.7
29	30.0	33.5	30.2	31.7	28.8	25.3	28.2	30.0	27.6	33.2	36.2	31.6	28.8	25.6	28.6	28.3	36.2	25.6	29.6	22.3	19.7	14.5	11.8	11.6	27.0	36.2
30	12.4	11.7	12.1	11.9	20.8	16.1	17.4	20.5	20.8	12.1	16.0	9.3	5.9	5.8	2.5	3.0	5.0	5.0	3.0	1.7	4.3	6.1	5.7	0.9	9.6	20.8
31	0.0	4.1	6.0	5.2	3.5	2.6	1.7	3.4	3.7	0.4	17.7	5.6	5.0	12.2	20.9	19.1	13.3	9.4	15.0	17.4	9.1	8.5	6.0	17.1	8.6	20.9
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	31	31	31	31	31	31	31	31	741	100.0%
MEAN	13.1	13.3	13.2	12.9	13.4	12.4	13.5	14.7	16.5	17.3	17.9	17.8	14.1	12.8	12.9	12.9	13.7	11.9	11.6	12.7	16.0	16.4	16.2	14.1		
MAX	46.2	48.1	45.4	42.4	41.0	49.6	49.8	58.8	68.9	116.7	119.8	59.8	48.9	32.4	57.9	47.4	43.6	37.6	32.4	33.8	50.9	114.2	99.8	46.5		



Number of 24HR Exceedences	3		
Number of Non-Zero Readings	724		
Maximum 1-HR Average	119.8	UG/M3	
Maximum 24-HR Average	39.7	UG/M3	
		Operational Time	744 HRS
Monthly Calibration	3	Operational Uptime	100.0 %
Standard Deviation	13.12	Monthly Average	14.2 UG/M3

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

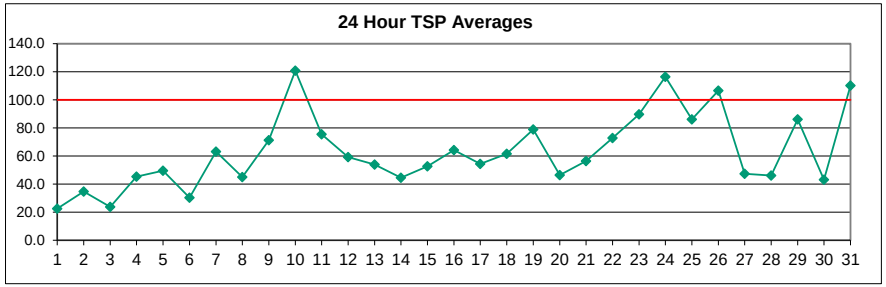
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	14.7	11.8	13.7	15.9	11.9	19.6	3.4	6.3	16.4	9.7	10.5	13.5	12.7	16.2	7.7	4.8	3.5	2.7	5.3	12.1	8.2	14.9	9.0	6.8	10.5	19.6
2	7.5	5.9	6.7	10.0	8.4	6.1	20.7	10.7	20.3	30.9	15.9	37.8	11.7	13.9	40.8	21.5	35.6	14.2	26.6	7.7	4.2	6.3	5.6	4.6	15.6	40.8
3	4.6	5.4	12.1	16.2	7.9	5.6	43.5	40.5	12.7	35.8	26.8	17.5	14.4	17.8	17.0	14.2	18.6	15.4	20.0	12.0	8.7	6.2	5.4	6.4	16.0	43.5
4	7.2	8.6	4.3	1.3	11.5	12.2	16.5	34.6	15.7	43.6	38.7	27.6	22.1	C	C	C	C	C	29.9	41.0	42.3	21.6	46.8	31.5	24.1	46.8
5	11.5	16.0	30.9	20.8	18.4	19.2	15.3	14.5	19.6	23.7	34.9	15.1	30.1	36.4	43.4	51.2	40.3	33.3	24.8	15.1	37.6	25.6	21.8	43.8	26.8	51.2
6	52.2	28.2	16.7	17.5	5.0	8.8	24.3	6.2	14.3	18.5	22.6	19.5	6.1	3.3	8.7	6.1	9.8	14.3	3.9	7.2	8.2	21.4	25.8	15.8	15.2	52.2
7	12.6	22.0	53.7	30.8	36.6	22.3	20.7	21.8	18.8	21.3	49.9	14.9	19.7	11.3	11.2	8.1	39.1	59.4	67.4	44.6	44.0	74.6	84.7	32.9	34.3	84.7
8	32.2	13.2	11.2	9.3	8.5	9.6	11.1	15.3	22.0	26.9	14.0	21.0	25.0	11.9	20.4	21.5	7.7	4.8	49.2	59.4	19.6	22.6	52.5	29.9	21.6	59.4
9	23.5	23.0	29.3	50.3	44.2	20.9	36.4	65.1	72.0	47.3	64.3	97.5	42.0	45.9	42.9	49.5	38.3	17.4	20.5	33.2	32.4	29.8	22.1	18.9	40.3	97.5
10	23.5	27.3	25.4	55.7	66.7	37.4	50.8	105.8	70.6	52.6	102.2	82.1	57.6	206.0	131.0	63.5	71.8	66.0	37.9	103.4	50.5	34.3	35.4	25.7	66.0	206.0
11	28.1	11.9	10.1	17.3	18.9	24.7	40.6	61.4	102.5	77.3	61.6	37.6	31.1	32.2	41.2	54.5	29.3	50.7	55.1	42.9	69.1	32.7	42.6	42.6	42.3	102.5
12	42.6	43.7	50.9	29.7	44.5	25.0	14.6	14.1	19.2	21.2	22.3	37.5	48.8	49.2	26.8	37.3	37.7	49.4	48.4	76.9	21.0	14.9	20.3	23.0	34.1	76.9
13	25.6	20.5	17.7	22.6	35.6	36.0	28.6	22.6	20.6	27.8	17.9	27.9	20.0	50.8	91.2	52.1	64.2	34.4	26.1	30.5	33.3	20.2	27.1	21.0	32.3	91.2
14	20.6	25.7	22.4	24.4	29.8	30.7	17.8	43.0	34.2	40.1	35.2	50.7	30.0	24.4	33.8	27.3	33.9	57.8	27.4	27.5	21.3	25.3	19.1	20.5	30.1	57.8
15	20.8	26.1	27.5	56.8	34.0	35.3	34.1	34.5	40.2	46.6	39.9	36.5	18.2	18.3	8.2	40.8	76.2	39.4	27.2	24.8	19.5	24.3	51.5	23.0	33.5	76.2
16	34.5	36.3	34.2	25.3	18.1	24.3	31.2	41.7	61.9	41.5	45.2	38.1	49.1	66.8	43.5	50.3	48.7	44.9	27.7	19.1	35.1	19.6	17.9	19.1	36.4	66.8
17	19.7	20.3	29.1	47.4	36.4	27.2	29.7	31.6	67.0	104.8	38.9	41.2	29.4	20.6	25.0	24.2	10.1	43.9	21.7	18.9	22.2	22.0	16.9	23.2	32.1	104.8
18	22.7	25.4	24.6	29.0	27.4	23.6	30.8	44.6	81.2	53.2	37.1	103.7	29.7	38.1	34.2	17.9	32.4	29.9	11.7	27.4	40.8	31.2	31.0	27.1	35.6	103.7
19	46.5	43.5	44.3	49.4	42.0	35.5	30.4	64.1	51.9	66.0	83.2	59.1	36.5	38.8	62.4	75.9	73.1	50.3	40.5	32.7	20.1	37.2	48.9	35.6	48.7	83.2
20	33.6	41.0	36.1	30.9	40.8	23.9	31.2	29.9	33.8	32.2	31.8	24.2	26.8	29.7	40.6	37.5	36.0	27.9	30.5	31.9	30.2	28.3	33.3	22.0	31.8	41.0
21	22.8	25.1	31.5	29.8	23.6	27.9	54.6	49.5	57.4	36.3	48.5	41.1	35.3	41.4	29.1	45.6	49.8	44.4	37.9	23.3	20.0	24.9	23.8	22.5	35.2	57.4
22	24.0	25.6	26.1	39.3	43.8	50.2	39.3	43.4	55.2	79.5	74.2	107.5	48.3	53.8	46.1	56.5	54.9	67.0	48.2	48.1	48.0	36.2	37.4	42.4	49.8	107.5
23	32.2	39.4	39.8	47.9	46.2	56.6	90.3	119.6	128.7	63.1	41.0	36.8	40.1	47.7	33.0	71.9	44.5	63.6	49.2	45.9	44.4	57.0	57.7	46.8	56.0	128.7
24	58.2	61.8	58.5	60.1	59.9	64.9	93.8	132.3	137.2	82.6	119.2	58.3	50.4	66.8	44.9	53.9	50.3	25.8	21.0	23.1	120.6	177.6	172.2	55.3	77.0	177.6
25	54.6	55.7	47.8	36.6	38.4	34.5	40.2	49.6	81.0	136.9	153.5	75.3	60.8	174.2	13.2	20.3	58.7	42.8	35.5	55.9	137.4	37.6	30.3	51.7	63.4	174.2
26	88.8	26.9	8.1	77.9	21.0	10.7	14.5	23.3	33.1	29.0	72.3	120.6	128.0	71.2	98.5	173.6	132.8	79.5	57.5	69.2	128.8	81.3	39.9	14.7	66.7	173.6
27	25.4	38.9	21.5	32.5	37.4	21.2	35.9	19.9	20.8	14.8	8.8	15.3	33.1	38.8	12.4	35.4	26.2	17.5	56.4	55.7	28.0	19.4	59.2	35.6	29.6	59.2
28	30.7	19.7	28.0	23.8	24.1	33.9	29.2	31.1	22.7	30.0	36.3	24.0	34.7	24.5	19.7	46.2	38.7	71.7	38.6	43.6	42.3	57.0	62.2	45.8	35.8	71.7
29	38.9	48.0	30.4	47.1	30.3	36.4	32.6	38.1	53.8	54.5	68.7	98.0	96.5	101.2	116.8	75.8	91.3	64.4	57.4	50.2	49.3	17.9	15.4	17.9	55.4	116.8
30	12.9	15.7	20.7	23.6	18.0	19.9	24.0	43.6	49.3	37.3	36.7	20.3	19.2	19.8	24.2	27.1	38.4	42.0	24.3	11.0	9.6	21.3	27.7	7.8	24.8	49.3
31	12.0	10.8	41.0	11.5	9.1	7.7	12.9	21.5	59.2	33.6	172.7	95.8	43.2	148.5	159.5	190.9	113.7	55.7	63.5	95.9	80.3	37.3	28.8	0.0	62.7	190.9
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	31	31	31	31	739	100.0%
MEAN	28.5	26.6	27.6	31.9	29.0	26.2	32.2	41.3	48.2	45.8	52.4	48.3	37.1	50.7	44.2	48.5	46.9	41.0	35.2	38.4	41.2	34.9	37.8	26.2		
MAX	88.8	61.8	58.5	77.9	66.7	64.9	93.8	132.3	137.2	136.9	172.7	120.6	128.0	206.0	159.5	190.9	132.8	79.5	67.4	103.4	137.4	177.6	172.2	55.3		



Number of Non-Zero Readings	738		
Maximum 1-HR Average	206.0 UG/M3		
Maximum 24-HR Average	77.0 UG/M3		
		Operational Time	744 HRS
Monthly Calibration	5	Operational Uptime	100.0 %
Standard Deviation	28.76	Monthly Average	38.3 UG/M3

Lagoon TSP (µg/m^3) – July 2024

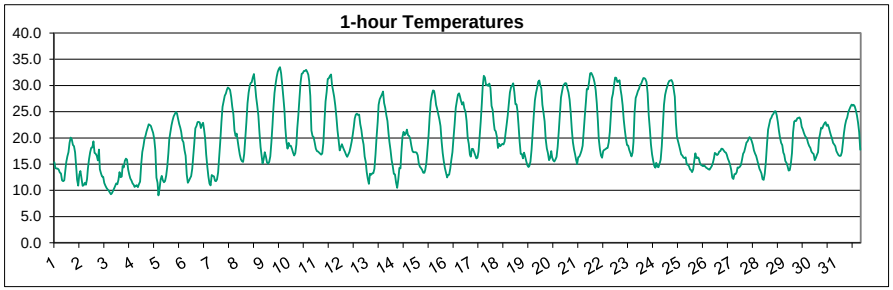
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	35.7	27.7	22.3	35.6	35.1	40.4	10.9	12.0	17.3	17.1	14.6	17.9	14.6	26.9	12.8	17.1	6.6	26.4	24.0	29.2	28.9	26.5	22.3	19.1	22.5	40.4
2	24.8	X	28.2	21.4	20.1	26.1	45.0	21.1	24.2	87.3	35.7	75.3	39.2	33.8	89.6	35.5	64.1	30.0	30.2	21.4	11.1	9.3	11.0	13.6	34.7	89.6
3	13.6	X	19.4	24.4	10.8	8.0	9.5	11.2	31.1	72.4	52.2	18.2	28.9	26.5	19.1	18.1	29.9	31.9	34.3	12.3	24.4	18.1	13.3	18.3	23.7	72.4
4	16.7	9.9	8.5	5.8	19.8	20.6	23.8	42.3	30.3	41.6	66.3	41.8	34.6	C	C	C	104.0	97.0	67.2	87.2	75.6	30.4	94.4	33.9	45.3	104.0
5	27.6	41.0	50.5	54.6	34.5	37.4	27.6	34.3	27.8	56.2	63.4	28.6	32.4	53.8	79.6	88.6	71.5	60.1	52.1	28.2	68.7	46.6	48.8	77.0	49.6	88.6
6	104.4	61.4	27.9	48.0	20.1	30.3	25.2	20.5	22.7	18.9	31.4	30.2	12.3	16.8	18.7	14.0	40.0	30.0	17.1	23.4	15.5	35.3	37.8	26.5	30.3	104.4
7	23.5	27.7	83.4	52.0	51.2	29.8	37.9	28.7	35.4	27.5	71.5	27.1	37.2	27.6	28.1	29.4	77.4	122.6	125.9	90.9	97.3	148.1	158.4	77.4	63.2	158.4
8	61.1	33.3	33.3	29.1	26.8	24.1	22.8	31.6	34.9	39.7	29.5	32.0	41.3	34.1	46.6	53.9	41.0	36.1	105.6	106.7	44.8	43.2	79.4	49.1	45.0	106.7
9	30.0	40.0	48.3	74.1	73.7	38.3	56.3	109.6	119.1	76.3	109.7	177.5	75.0	74.2	72.8	103.1	76.8	42.0	49.9	78.8	54.9	46.9	43.5	38.5	71.2	177.5
10	32.9	42.2	45.3	86.0	117.5	74.1	96.5	170.4	122.7	84.0	189.5	136.8	125.8	409.4	261.8	129.7	119.8	115.6	77.4	186.5	95.3	72.1	64.5	43.6	120.8	409.4
11	57.3	24.4	19.7	36.1	37.4	47.6	75.6	88.8	161.6	139.4	102.4	73.2	68.8	56.6	83.2	87.7	63.8	81.6	114.9	77.9	111.6	56.5	70.6	76.0	75.5	161.6
12	74.5	66.2	72.5	49.8	66.0	30.6	36.2	29.6	29.1	40.1	49.4	63.7	83.6	73.1	53.2	72.4	69.8	102.2	87.6	116.0	42.8	34.4	39.0	37.7	59.1	116.0
13	34.2	28.2	32.7	35.2	57.1	52.5	42.1	38.0	36.2	30.2	36.4	47.7	27.9	99.3	165.0	95.7	113.7	71.4	43.7	52.6	50.8	42.2	27.6	34.4	54.0	165.0
14	39.4	36.1	32.5	46.9	44.2	45.8	35.3	68.8	38.7	42.2	61.6	85.4	32.2	32.0	59.4	50.2	45.2	69.9	44.7	38.8	30.0	30.8	29.5	31.3	44.6	85.4
15	34.3	31.4	40.4	56.1	39.6	40.6	33.5	40.1	50.9	71.9	59.5	54.1	29.4	30.7	36.3	57.2	143.1	71.2	53.8	44.1	40.6	41.3	112.9	50.5	52.6	143.1
16	46.6	71.0	54.2	50.8	30.0	32.1	42.6	69.9	103.9	65.9	80.7	61.1	90.2	132.7	75.9	90.6	103.5	80.5	46.8	30.9	64.7	40.0	42.6	33.7	64.2	132.7
17	31.4	32.1	49.2	74.0	49.0	45.7	54.9	50.4	99.4	151.1	57.3	66.1	35.5	26.8	43.7	51.6	34.7	101.0	35.8	34.1	82.8	34.9	36.4	28.8	54.5	151.1
18	28.7	44.1	37.0	54.8	48.2	42.9	69.1	71.9	136.2	85.5	68.9	180.5	42.2	63.3	48.1	36.9	66.0	76.9	35.2	47.3	65.6	44.5	38.8	43.8	61.5	180.5
19	69.7	53.9	65.8	67.2	69.3	46.0	46.2	77.9	70.3	94.3	129.5	98.4	53.0	70.6	125.3	171.9	125.9	88.5	102.2	71.0	39.7	50.7	71.9	35.5	79.0	171.9
20	46.0	46.0	56.0	40.3	32.0	38.3	41.5	31.7	49.1	43.7	40.8	36.0	39.5	47.2	65.6	71.0	66.9	49.6	50.2	51.9	46.9	39.7	44.5	41.5	46.5	71.0
21	31.6	40.9	54.5	54.9	35.2	39.0	73.8	77.2	101.4	56.5	92.6	64.6	48.7	65.9	42.6	75.4	80.8	71.7	62.3	40.2	37.4	37.4	34.8	34.0	56.4	101.4
22	33.3	36.2	39.3	73.3	54.3	60.3	60.6	60.5	79.6	100.4	110.4	167.2	67.9	79.3	75.8	69.3	96.3	107.8	86.2	65.4	76.2	58.0	46.0	44.8	72.8	167.2
23	103.5	X	57.8	74.5	65.8	83.0	145.7	210.6	232.4	119.3	58.2	49.9	55.3	61.5	50.5	104.0	61.3	94.7	82.7	64.3	58.6	78.7	81.8	67.6	89.6	232.4
24	77.6	74.4	72.4	72.5	86.2	91.5	142.6	185.8	214.2	129.4	180.4	93.2	90.8	118.2	75.6	101.7	92.4	50.9	38.3	50.0	187.5	237.3	255.7	73.8	116.3	255.7
25	74.2	72.8	64.5	41.2	43.1	51.4	47.2	52.0	96.8	155.5	184.3	89.8	87.8	241.0	17.1	37.1	72.2	72.0	61.0	75.4	210.7	55.3	66.8	97.6	86.1	241.0
26	147.9	42.8	31.0	191.1	34.6	21.8	18.5	31.1	46.2	52.0	115.5	188.0	201.2	113.1	142.9	274.1	205.7	113.9	92.0	105.8	190.0	126.6	52.3	18.1	106.5	274.1
27	28.1	51.4	35.9	55.2	66.9	36.5	37.8	25.3	22.3	18.8	18.4	33.3	52.1	66.2	32.2	59.8	59.1	38.6	82.6	97.4	41.2	28.7	90.4	58.3	47.3	97.4
28	49.9	37.7	38.6	30.9	22.6	29.7	34.7	36.7	38.5	37.8	52.8	35.4	36.4	37.1	33.7	59.9	46.9	40.9	54.9	56.1	53.3	77.0	100.9	64.5	46.1	100.9
29	52.7	53.8	48.7	70.3	38.7	44.1	44.8	52.7	124.8	93.4	112.1	156.6	166.9	148.0	179.3	119.4	136.6	101.1	92.5	76.5	62.6	35.3	27.3	28.1	86.1	179.3
30	22.5	22.7	37.7	31.4	39.7	26.0	46.6	81.2	83.8	92.3	57.2	31.8	34.4	23.8	38.9	48.8	64.9	72.9	41.1	20.6	18.6	25.3	47.6	25.5	43.1	92.3
31	80.4	X	64.6	14.1	31.7	16.7	24.8	57.7	94.5	65.6	243.0	158.5	78.5	210.4	286.6	288.4	184.8	83.6	112.5	155.4	152.7	73.8	31.0	22.1	110.1	288.4
NO.	31	27	31	31	31	31	31	31	31	31	31	31	31	30	30	30	31	31	31	31	31	31	31	31	737	99.5%
MEAN	49.5	42.6	44.3	53.3	45.2	40.4	48.7	61.9	76.6	71.2	83.1	78.1	60.1	83.3	78.7	83.7	82.7	72.0	64.7	65.7	70.3	55.6	62.0	43.4		
MAX	147.9	74.4	83.4	191.1	117.5	91.5	145.7	210.6	232.4	155.5	243.0	188.0	201.2	409.4	286.6	288.4	205.7	122.6	125.9	186.5	210.7	237.3	255.7	97.6		



Number of 24HR Exceedences	4		
Number of Non-Zero Readings	737		
Maximum 1-HR Average	409.4 UG/M3		
Maximum 24-HR Average	120.8 UG/M3		
		Operational time	740 HRS
Monthly Calibration	3	Operational Uptime	99.5 %
Standard Deviation	45.9	Monthly Average	63.2 UG/M3

Lagoon Temperature (°C) – July 2024

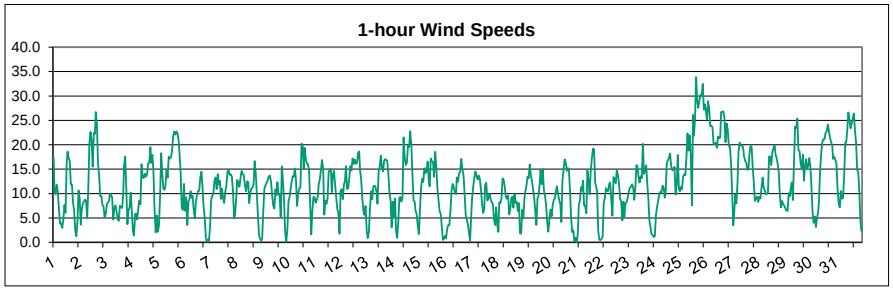
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	15.4	14.2	14.1	14.1	13.9	13.4	13.2	11.9	11.8	11.9	13.5	15.4	16.5	17.3	19.1	20.0	19.7	18.7	18.4	17.2	14.4	12.0	10.9	13.0	15.0	20.0
2	13.7	12.3	10.9	11.0	11.5	11.1	12.2	14.2	15.9	17.2	18.1	18.2	19.3	17.2	17.0	16.6	15.7	17.8	14.0	13.3	12.6	12.6	11.4	10.9	14.4	19.3
3	10.5	10.2	10.0	9.6	9.3	9.4	9.8	10.3	10.8	11.3	11.1	12.0	13.5	12.5	12.6	14.7	14.4	15.6	16.1	15.9	14.0	13.0	12.3	11.9	12.1	16.1
4	11.3	11.1	10.6	10.9	11.0	10.6	11.2	11.7	15.0	17.3	18.4	19.8	20.5	21.2	21.9	22.6	22.5	22.3	21.6	21.0	19.8	17.6	12.4	11.4	16.4	22.6
5	9.1	10.3	12.1	12.8	11.9	11.5	11.8	12.8	14.5	17.1	19.7	21.1	22.4	23.4	24.1	24.5	24.9	24.7	23.6	22.6	21.9	21.1	19.6	19.2	18.2	24.9
6	17.7	16.6	13.0	11.5	11.8	12.3	12.7	14.2	16.3	18.9	21.8	22.3	23.0	23.1	22.9	21.9	22.6	22.9	21.8	20.0	16.9	14.6	12.6	11.3	17.6	23.1
7	11.0	12.9	12.7	12.7	11.8	11.7	12.1	13.5	16.5	19.5	23.1	25.9	27.0	28.0	28.4	29.2	29.6	29.4	29.1	27.8	25.9	24.5	21.4	20.4	21.0	29.6
8	20.8	19.3	18.1	16.8	15.9	15.5	15.4	16.9	20.0	23.0	26.6	28.6	29.9	30.5	30.6	31.5	32.2	30.2	27.8	26.1	24.3	21.1	18.3	16.5	23.2	32.2
9	15.1	15.9	17.3	16.5	15.4	15.1	15.4	16.5	19.2	22.5	25.5	28.6	30.3	31.7	32.6	33.2	33.5	32.3	30.1	27.8	25.3	22.0	19.3	18.0	23.3	33.5
10	19.0	18.5	18.5	17.9	17.2	16.6	17.1	18.8	21.8	24.4	27.5	30.6	32.2	32.3	32.8	32.8	33.0	32.6	32.1	30.8	28.0	21.4	20.4	20.1	24.8	33.0
11	19.1	17.9	17.5	17.4	17.2	17.0	16.8	17.0	19.0	23.0	26.9	28.7	31.2	31.4	31.9	32.1	30.2	29.0	27.8	26.2	24.0	21.5	19.6	17.6	23.3	32.1
12	18.3	18.8	18.2	17.8	17.3	16.8	16.4	16.9	17.3	18.2	19.3	20.6	22.2	23.7	24.5	24.6	24.4	24.5	22.6	21.5	19.9	18.7	16.4	15.4	19.8	24.6
13	13.6	12.2	11.3	13.2	13.0	13.2	13.3	14.1	16.9	20.3	23.1	26.3	27.4	27.8	28.3	28.8	26.7	25.7	24.3	23.2	20.8	19.2	17.7	15.8	19.8	28.8
14	14.6	13.2	13.1	11.5	10.5	12.1	14.3	14.2	17.3	20.2	21.2	20.5	20.8	21.6	20.5	20.3	19.8	18.5	17.5	17.3	17.3	17.3	17.2	16.7	17.0	21.6
15	15.1	14.5	14.2	13.9	13.4	13.3	13.9	15.2	17.8	20.5	24.1	26.9	28.2	29.1	29.0	27.7	26.3	25.5	24.5	23.5	22.3	19.4	17.1	15.5	20.5	29.1
16	14.2	13.3	12.5	12.9	13.0	14.1	15.8	17.3	20.0	22.7	25.7	27.0	28.3	28.5	27.9	27.0	26.4	26.8	25.6	25.1	23.2	20.0	18.9	16.8	21.0	28.5
17	16.4	17.9	17.9	17.3	16.7	16.1	16.2	17.4	20.2	23.1	26.6	29.8	31.8	31.5	30.0	30.1	29.9	30.3	29.5	26.1	25.3	22.9	21.6	21.2	23.6	31.8
18	20.2	18.1	18.9	18.4	18.6	18.9	18.7	19.3	20.8	22.5	24.2	26.5	28.7	29.6	30.0	30.4	28.8	26.4	26.4	25.3	22.4	19.3	17.0	16.9	22.8	30.4
19	16.1	17.2	16.4	15.6	14.8	14.5	14.7	15.5	17.8	21.0	24.3	27.1	28.5	29.5	30.7	30.9	30.1	29.5	26.3	24.8	23.1	19.7	18.0	17.1	21.8	30.9
20	15.8	16.2	17.5	16.3	15.7	15.5	15.9	16.4	18.3	21.2	24.5	27.7	28.9	29.9	30.2	30.5	30.4	29.4	28.7	27.3	24.9	21.6	19.2	17.8	22.5	30.5
21	16.9	15.9	15.0	16.3	16.4	16.9	17.6	18.5	21.3	24.3	27.0	29.4	29.3	30.6	32.3	32.4	32.0	31.4	30.5	29.2	26.6	23.2	19.8	17.9	23.8	32.4
22	16.6	16.2	17.5	17.8	17.8	18.1	18.1	19.1	21.1	23.9	27.5	28.4	30.1	31.5	31.5	30.6	30.7	31.0	29.1	28.1	26.2	23.5	21.5	19.8	24.0	31.5
23	18.6	18.5	17.7	17.1	16.5	17.2	19.2	24.8	27.6	28.2	28.9	29.4	30.1	30.3	30.9	31.4	31.4	31.2	30.7	28.5	24.4	21.8	18.7	16.9	24.6	31.4
24	15.7	14.6	14.3	15.3	14.5	14.4	15.1	15.8	18.4	22.3	26.3	28.2	29.1	29.8	30.4	30.9	31.0	31.0	30.6	29.3	27.8	22.9	20.1	19.3	22.8	31.0
25	18.5	17.7	16.8	16.7	16.3	16.1	16.3	15.0	14.9	14.6	14.0	13.9	13.5	14.0	15.6	17.1	16.2	16.3	16.1	15.4	14.9	14.7	14.6	14.8	15.6	18.5
26	14.6	14.3	14.2	14.0	13.9	14.3	14.6	15.2	16.1	17.1	17.0	16.7	16.9	17.4	17.5	18.0	17.9	17.6	17.3	17.2	16.8	16.1	15.5	14.9	16.0	18.0
27	14.0	12.4	12.2	13.1	13.1	13.5	14.4	14.3	14.5	14.8	15.8	17.0	17.4	18.2	19.1	19.4	19.8	20.2	19.9	19.4	18.7	17.6	17.0	16.6	16.3	20.2
28	15.8	14.9	14.1	13.7	13.2	12.1	12.0	13.2	15.5	18.8	21.6	22.6	23.5	23.9	24.3	24.6	25.1	25.1	24.3	23.0	21.4	20.0	19.0	18.6	19.2	25.1
29	17.2	16.8	15.6	15.3	14.6	13.8	13.9	15.1	17.1	21.0	23.1	23.3	23.2	23.8	23.8	23.9	23.5	22.2	21.6	21.0	20.4	20.1	19.8	19.0	19.5	23.9
30	18.5	18.1	17.4	17.1	16.9	15.8	16.2	16.8	17.3	19.7	20.7	22.0	21.8	22.4	22.8	23.0	22.3	22.6	22.0	21.1	20.5	19.9	19.1	18.7	19.7	23.0
31	18.4	17.5	17.1	16.7	16.5	16.6	17.3	18.9	20.9	22.4	23.4	23.9	25.0	25.5	26.0	26.3	26.1	26.3	26.0	25.3	24.3	22.9	21.1	17.8	21.8	26.3
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	15.9	15.4	15.1	14.9	14.5	14.4	14.9	15.8	17.8	20.1	22.3	23.8	24.8	25.4	25.8	26.0	25.7	25.4	24.4	23.2	21.6	19.4	17.7	16.7		
MAX	20.8	19.3	18.9	18.4	18.6	18.9	19.2	24.8	27.6	28.2	28.9	30.6	32.2	32.3	32.8	33.2	33.5	32.6	32.1	30.8	28.0	24.5	21.6	21.2		



Number of Non-Zero Readings	744		
Maximum 1-HR Average	33.5 C		
Maximum 24-HR Average	24.8 C		
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	5.918	Monthly Average	20.0 C

Lagoon Wind Speed (km/hr) – July 2024

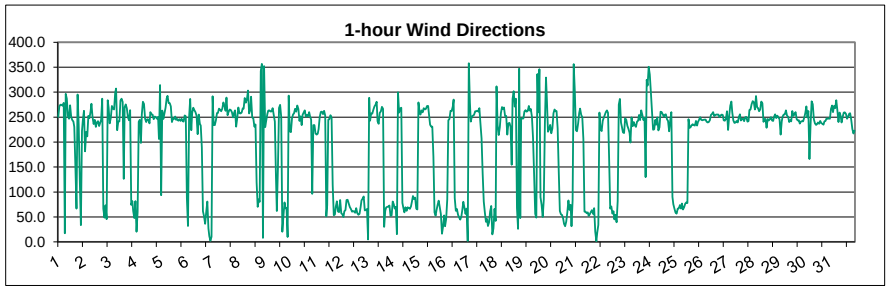
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	17.4	10.5	9.9	11.8	10.3	6.9	3.8	3.9	2.9	4.6	7.6	6.1	16.1	18.6	17.4	16.7	11.9	11.8	8.2	6.5	2.5	1.3	4.3	10.7	9.2	18.6
2	9.0	3.6	6.5	7.9	8.3	8.7	8.5	5.0	11.1	20.3	22.6	20.9	15.5	22.4	22.2	26.7	24.3	16.1	13.7	9.5	9.5	7.7	7.3	5.1	13.0	26.7
3	5.8	7.8	8.2	8.6	10.0	9.7	9.2	4.7	7.1	7.6	6.3	4.7	4.4	7.5	7.3	7.0	9.8	15.8	17.6	11.0	3.7	6.6	7.2	10.2	8.2	17.6
4	6.2	2.4	1.4	5.8	5.9	4.7	6.9	8.6	7.8	16.0	13.3	13.2	14.1	13.5	13.9	16.2	16.3	19.5	16.3	17.9	14.4	6.5	2.1	5.5	10.3	19.5
5	2.1	3.5	9.6	18.3	13.9	11.0	10.8	11.5	14.7	13.3	17.6	17.2	17.4	18.7	21.7	22.7	22.1	22.7	22.3	20.8	18.1	14.3	7.0	6.6	14.9	22.7
6	12.0	6.5	9.2	3.5	8.4	9.0	10.5	9.1	9.5	6.7	4.9	8.3	9.8	10.5	10.6	13.4	14.5	11.3	7.3	5.0	1.0	0.2	0.5	0.3	7.6	14.5
7	3.1	8.6	9.5	10.0	12.6	13.3	11.0	14.0	11.8	12.6	8.9	11.0	9.0	8.1	10.5	11.6	14.5	14.8	13.8	13.9	13.4	10.2	4.9	5.6	10.7	14.8
8	8.7	12.8	12.2	11.4	13.3	14.6	14.1	13.7	11.6	10.5	12.5	12.4	8.0	9.8	11.0	11.2	11.8	16.6	14.1	9.7	5.2	1.3	0.7	0.3	10.3	16.6
9	0.8	6.5	11.0	11.7	12.1	12.7	13.5	13.7	12.4	9.8	7.5	7.0	10.8	9.7	12.3	9.8	9.6	5.2	15.5	12.8	8.4	2.2	0.1	2.7	9.1	15.5
10	8.3	9.3	10.6	12.3	13.6	13.4	15.1	12.8	7.4	10.1	11.0	11.2	20.2	19.8	15.1	19.4	17.2	16.1	16.1	14.8	8.1	1.6	6.4	9.3	12.5	20.2
11	9.2	8.1	8.7	9.5	11.9	12.9	14.9	16.9	15.0	5.7	8.5	7.9	9.0	14.5	14.8	15.0	10.3	13.9	14.7	11.9	9.2	6.9	5.9	1.8	10.7	16.9
12	10.5	10.9	8.9	11.8	12.7	15.6	10.9	11.1	13.1	15.6	14.7	17.2	16.1	17.0	16.1	16.3	18.3	18.6	14.8	12.8	9.1	6.5	5.6	7.5	13.0	18.6
13	2.4	0.9	2.2	7.0	10.5	8.9	11.4	11.6	11.5	10.4	7.9	14.5	15.5	17.7	15.2	14.6	16.7	17.0	16.9	16.7	14.0	10.3	8.6	3.1	11.1	17.7
14	8.3	5.3	9.0	2.3	0.9	4.2	9.2	9.3	8.4	9.1	21.5	17.3	15.9	16.4	19.9	19.6	22.8	19.9	13.9	8.6	8.3	6.6	5.7	3.6	11.1	22.8
15	1.7	6.5	11.1	13.0	12.4	15.2	14.2	14.7	16.5	12.7	11.5	17.2	16.6	16.5	13.4	18.5	15.5	11.1	8.7	6.4	5.8	3.2	0.5	0.7	11.0	18.5
16	1.3	0.8	2.7	3.5	3.5	6.3	10.6	12.0	11.3	10.2	9.9	13.3	12.4	14.2	14.4	17.1	15.0	13.9	10.2	5.7	4.7	3.7	2.0	0.3	8.3	17.1
17	4.5	9.0	11.4	13.2	14.5	13.7	12.9	13.7	13.0	10.9	8.1	6.0	6.8	11.7	12.2	8.6	9.1	9.9	8.8	8.3	7.8	4.8	3.5	7.2	9.6	14.5
18	3.5	2.2	8.2	8.1	9.0	13.1	12.8	11.3	9.3	8.9	9.6	5.7	6.8	9.2	9.3	7.1	10.0	8.1	8.3	6.4	8.1	1.8	1.8	6.7	7.7	13.1
19	4.9	9.1	10.6	11.6	13.5	13.1	16.0	13.8	12.6	10.9	9.2	6.3	3.6	9.0	9.5	12.0	14.9	11.9	15.0	10.7	9.6	7.7	4.2	2.2	10.1	16.0
20	4.6	6.7	5.4	7.6	8.8	8.9	10.4	11.5	9.8	8.7	8.0	4.2	12.7	14.9	17.0	16.3	14.7	15.2	15.1	10.8	5.1	2.1	2.5	0.3	9.2	17.0
21	1.0	0.0	1.6	7.6	8.6	11.3	10.6	12.7	7.6	7.4	5.9	14.7	12.6	9.9	14.7	17.2	19.2	19.1	12.2	11.5	10.3	2.3	0.6	0.4	9.1	19.2
22	0.7	1.2	8.2	9.1	11.1	10.5	10.5	12.0	12.2	8.7	5.4	13.4	12.9	12.1	14.7	13.8	12.0	8.9	8.4	4.5	8.4	5.2	8.0	8.2	9.2	14.7
23	9.0	10.4	11.2	11.4	11.9	11.3	8.7	11.4	15.8	15.4	13.6	12.2	13.6	13.2	20.2	14.0	14.6	15.8	11.9	8.8	4.3	3.0	1.7	1.5	11.0	20.2
24	1.1	1.3	5.5	7.3	8.5	9.7	10.4	10.2	11.6	11.3	9.1	10.0	16.3	16.7	17.3	18.2	15.6	14.8	15.0	15.5	9.8	11.7	17.9	11.1	11.5	18.2
25	10.5	11.4	10.9	13.5	13.9	13.8	17.3	22.3	18.8	21.9	17.5	7.6	26.1	21.9	25.3	33.9	29.0	27.6	29.2	30.3	29.9	32.5	27.2	28.3	21.7	33.9
26	26.7	25.2	29.0	27.4	23.8	23.9	23.6	20.1	20.1	20.4	19.4	21.7	21.3	21.5	26.7	26.8	26.9	25.6	20.6	24.4	23.2	19.8	19.6	16.3	23.1	29.0
27	10.2	3.5	6.6	9.8	8.0	12.0	18.6	20.5	19.9	19.8	19.7	17.5	16.7	16.3	14.9	15.1	18.1	19.7	19.6	15.5	12.4	8.5	9.0	9.3	14.2	20.5
28	8.3	9.4	9.0	11.3	13.3	11.3	10.7	9.9	9.9	10.1	17.6	17.6	15.8	18.5	19.3	20.0	17.8	17.4	16.1	14.3	9.5	7.2	8.5	7.8	12.9	20.0
29	7.5	7.0	6.5	6.4	10.1	9.4	11.0	12.3	8.7	16.6	23.7	23.5	25.4	19.0	18.6	16.1	15.1	18.0	12.7	15.1	17.1	15.2	15.6	17.3	14.5	25.4
30	15.7	11.3	6.1	4.0	5.3	3.1	5.0	6.1	8.5	14.6	18.3	20.5	21.1	21.2	22.5	22.7	24.1	22.9	21.4	20.5	19.8	17.1	17.6	16.9	15.3	24.1
31	16.2	11.0	8.0	7.2	10.5	8.9	9.1	13.8	20.4	20.4	23.0	26.6	25.1	23.4	24.3	25.4	26.4	22.8	20.4	14.9	14.2	10.0	4.8	2.3	16.2	26.6
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	7.5	7.2	8.7	9.8	10.7	11.0	11.7	12.1	12.0	12.3	12.7	13.1	14.4	15.3	16.2	16.9	16.7	16.2	14.8	12.8	10.5	7.7	6.8	6.7		
MAX	26.7	25.2	29.0	27.4	23.8	23.9	23.6	22.3	20.4	21.9	23.7	26.6	26.1	23.4	26.7	33.9	29.0	27.6	29.2	30.3	29.9	32.5	27.2	28.3		



Number of Non-Zero Readings	744		
Maximum 1-HR Average	33.9 KM/HR		
Maximum 24-HR Average	23.1 KM/HR		
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	6.128	Monthly Average	11.8 KM/HR

Lagoon Wind Direction (°) – July 2024

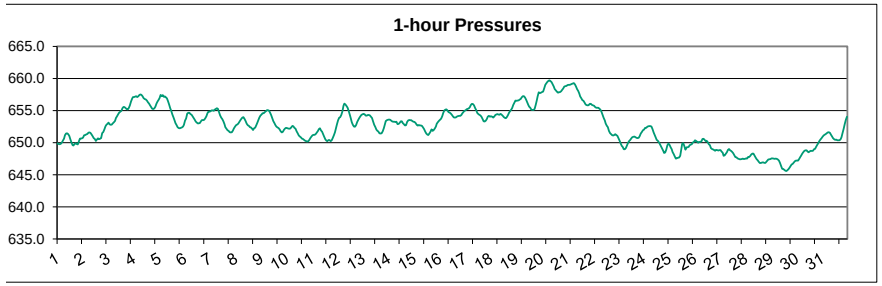
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	250.3	271.4	275.0	274.7	273.0	278.4	17.4	296.6	286.8	252.0	246.6	273.7	249.9	244.2	241.0	230.5	152.1	66.8	295.5	234.8	124.2	33.5	222.7	244.2	253.1	296.6
2	262.6	181.6	220.4	211.5	252.4	248.1	261.4	276.6	249.7	236.2	244.4	230.3	239.9	241.8	232.3	237.4	244.7	286.8	66.6	48.5	73.3	45.5	283.8	269.2	245.3	286.8
3	237.4	248.4	272.2	267.3	265.5	298.9	307.4	224.0	240.9	241.7	283.2	287.0	280.2	126.3	270.3	275.4	267.4	249.4	243.7	264.0	74.4	82.0	61.5	48.0	265.3	307.4
4	81.7	20.5	60.0	240.5	244.4	198.2	255.0	280.9	276.4	246.6	240.0	246.0	245.1	237.6	260.1	255.1	255.4	245.8	251.1	249.7	247.0	250.3	206.1	314.2	250.7	314.2
5	93.9	263.3	246.3	257.5	268.8	287.3	292.9	278.1	278.1	271.6	240.1	247.4	246.3	251.3	244.7	246.5	242.7	246.0	242.3	247.0	242.1	241.1	253.3	251.8	252.8	292.9
6	87.4	32.1	249.2	286.5	223.7	258.1	269.0	263.9	259.9	252.8	215.9	255.3	236.5	233.0	189.6	61.3	51.3	36.5	60.2	80.9	27.2	11.6	2.3	10.1	259.6	286.5
7	291.8	234.6	233.8	243.5	258.2	258.2	267.2	264.8	261.7	267.3	279.5	272.3	262.9	289.3	253.9	261.1	265.2	263.8	259.8	249.4	259.1	263.6	230.9	248.0	260.0	291.8
8	269.1	257.8	257.6	259.1	267.7	267.1	288.1	279.2	285.6	303.3	257.5	264.1	290.9	249.4	247.6	230.8	235.2	119.9	70.5	85.4	80.5	342.3	356.6	7.9	263.9	356.6
9	352.3	230.0	243.5	256.4	263.3	263.6	261.4	261.3	267.8	254.4	241.1	131.4	61.8	148.1	268.4	274.4	249.9	20.6	51.6	79.0	67.3	68.7	9.7	293.0	261.1	352.3
10	221.5	220.0	247.8	255.6	257.2	266.7	260.8	273.4	266.4	242.5	251.8	234.2	254.2	259.1	263.5	250.9	254.5	251.7	260.0	251.7	244.9	96.4	233.9	234.0	252.3	273.4
11	217.2	214.9	216.7	226.1	250.1	260.4	260.7	255.9	262.5	252.8	51.4	73.6	244.9	245.7	253.7	248.9	114.3	53.6	54.7	70.5	81.2	61.1	59.6	84.1	245.0	262.5
12	57.7	55.2	50.1	61.3	63.5	84.0	84.6	76.8	69.9	65.7	60.6	61.3	61.7	58.5	67.8	57.7	54.6	56.3	69.9	83.1	86.5	91.2	63.4	63.7	65.8	91.2
13	65.7	4.8	288.6	243.0	257.6	256.9	264.8	271.7	274.9	280.7	241.8	236.5	258.9	261.4	270.8	266.8	30.2	62.5	69.2	70.4	70.9	72.9	52.4	53.2	293.7	288.6
14	80.7	75.3	66.6	70.5	15.5	299.8	259.2	267.3	268.8	78.1	69.1	59.1	69.3	62.5	69.6	67.8	66.4	71.0	79.9	91.9	85.7	88.9	66.6	65.1	68.1	299.8
15	279.3	260.7	255.2	263.7	259.7	267.9	265.2	266.8	272.6	272.4	255.2	235.0	231.0	230.8	171.4	59.5	52.6	63.2	73.8	82.6	69.3	55.8	16.6	31.1	257.4	279.3
16	53.2	31.3	46.2	85.4	243.5	246.5	262.7	262.3	271.0	285.2	87.9	62.3	65.9	54.5	49.3	44.6	51.0	62.2	80.5	69.1	56.4	66.7	2.0	357.9	45.8	357.9
17	279.1	241.0	251.4	253.1	254.8	262.0	261.9	263.0	261.1	267.9	236.5	207.1	136.9	80.7	58.7	40.3	46.2	32.0	39.2	61.2	72.1	15.3	26.9	66.4	287.9	279.1
18	42.3	311.8	234.1	214.1	229.4	258.4	270.2	266.2	269.4	252.0	252.7	215.2	237.7	238.5	230.5	154.5	286.4	301.9	270.9	286.9	67.5	26.2	347.1	47.7	257.0	347.1
19	246.9	247.1	247.1	261.3	263.8	260.8	262.5	272.2	263.3	266.0	250.8	208.2	134.2	56.1	48.5	336.2	259.8	345.9	89.7	74.2	50.1	84.9	237.6	329.2	276.6	345.9
20	285.7	220.7	225.5	234.4	217.6	227.2	257.7	265.3	261.8	262.3	227.3	140.8	62.0	55.4	53.8	47.0	36.3	31.5	40.8	59.3	83.0	64.0	74.2	31.6	27.0	285.7
21	83.3	356.3	302.2	223.9	221.6	236.9	258.2	266.9	254.7	249.9	206.0	60.7	60.8	57.6	59.5	52.3	55.5	60.2	63.8	56.2	67.8	20.5	1.3	18.6	53.1	356.3
22	34.1	259.3	225.6	222.1	243.0	248.9	255.3	259.9	263.5	258.8	168.0	66.9	71.3	56.6	61.7	45.2	54.6	39.3	81.9	275.0	286.7	239.2	228.7	219.3	275.8	286.7
23	218.3	247.6	244.4	232.8	226.7	218.6	199.3	249.3	231.9	240.0	233.4	230.6	241.1	242.7	254.1	244.2	263.6	254.7	244.1	248.5	129.7	324.7	313.5	351.0	240.4	351.0
24	335.0	299.3	261.3	224.7	225.5	244.6	234.9	249.6	223.5	229.7	260.7	260.1	255.6	250.9	254.9	255.6	245.9	242.6	221.8	243.6	260.0	90.3	75.6	66.6	243.0	335.0
25	58.7	56.7	66.9	67.1	73.8	66.8	76.8	65.2	69.3	76.3	79.2	77.9	245.7	228.9	229.4	233.7	235.6	234.2	233.3	242.6	233.3	240.1	244.6	250.0	224.7	250.0
26	244.5	243.7	244.5	245.1	245.1	241.1	239.1	240.2	243.9	254.5	256.3	260.1	252.3	253.7	255.0	255.0	255.1	249.9	253.6	255.0	254.5	243.7	242.7	246.4	249.0	260.1
27	262.0	224.3	252.2	273.0	281.3	259.5	243.1	238.3	239.3	242.2	239.3	250.4	255.6	243.4	246.1	246.6	242.0	249.8	250.4	240.9	242.0	264.3	265.5	275.7	249.0	281.3
28	282.3	280.1	265.5	292.4	269.1	268.3	261.7	265.2	281.4	277.7	240.5	246.1	246.5	228.9	246.2	243.4	246.0	249.7	243.4	242.2	250.8	255.6	248.1	252.9	254.3	292.4
29	249.4	246.0	215.0	241.3	251.4	255.1	255.8	263.5	253.1	250.6	240.4	243.8	241.5	262.2	252.4	256.5	259.9	245.9	243.1	243.5	237.0	241.1	242.0	241.6	247.3	263.5
30	248.6	257.7	271.7	249.5	262.3	165.9	234.5	281.5	276.1	245.9	237.5	234.3	235.6	239.4	236.7	242.3	238.0	236.7	235.1	241.7	242.5	247.5	246.6	247.2	242.8	281.5
31	246.6	266.6	273.2	259.9	272.2	268.1	283.9	263.7	240.4	259.1	252.5	239.2	250.3	259.3	259.5	256.6	246.6	251.3	256.8	257.9	244.7	226.6	217.4	222.9	253.4	283.9
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	194.1	205.2	219.7	225.7	232.3	242.7	241.1	251.9	249.2	239.9	214.4	197.1	200.9	191.9	196.8	192.8	179.3	167.2	161.2	170.5	148.8	143.7	165.6	175.6		
MAX	352.3	356.3	302.2	292.4	281.3	299.8	307.4	296.6	286.8	303.3	283.2	287.0	290.9	289.3	270.8	336.2	286.4	345.9	295.5	286.9	286.7	342.3	356.6	357.9		



Number of Non-Zero Readings	744		
Maximum 1-HR Average	358 degrees		
Maximum 24-HR Average	294 degrees		
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	89.39	Monthly Average	200.3 degrees

Lagoon Pressure (mmHg) – July 2024

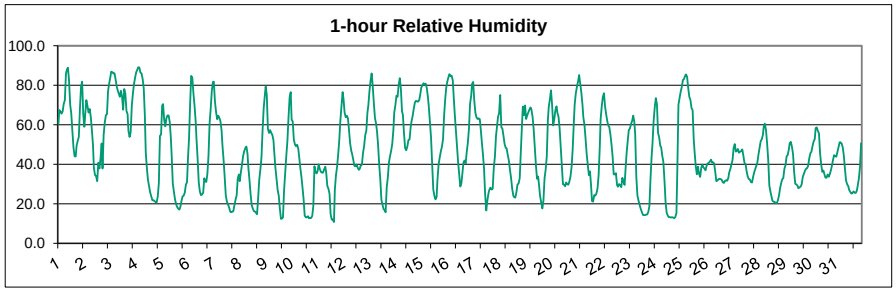
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	649.9	649.8	649.8	649.8	650.1	650.4	650.7	651.2	651.4	651.5	651.3	651.1	650.5	650.0	649.6	649.6	649.8	650.0	649.8	649.7	650.2	650.6	650.7	650.7	650.3	651.5
2	650.8	651.2	651.2	651.3	651.4	651.6	651.6	651.6	651.3	651.1	650.7	650.6	650.3	650.5	650.7	650.6	650.6	650.7	651.5	651.7	652.1	652.6	652.8	652.9	651.3	652.9
3	653.1	652.9	652.8	652.8	653.0	653.2	653.4	653.9	654.1	654.4	654.7	654.9	655.0	655.4	655.6	655.6	655.4	655.3	655.2	655.4	655.8	656.4	656.9	657.1	654.7	657.1
4	657.1	657.2	657.2	657.1	657.2	657.5	657.5	657.5	657.3	657.0	656.8	656.7	656.6	656.3	656.1	655.9	655.6	655.3	655.3	655.3	655.6	656.1	656.4	656.6	656.6	657.5
5	656.9	657.5	657.3	657.4	657.2	657.2	657.1	656.9	656.5	656.0	655.4	654.9	654.4	654.0	653.5	653.1	652.8	652.4	652.3	652.3	652.3	652.4	652.5	652.8	654.8	657.5
6	653.4	653.8	654.5	654.7	654.7	654.5	654.4	654.2	653.9	653.6	653.3	653.2	653.0	653.0	653.1	653.4	653.5	653.5	653.6	653.8	654.1	654.6	654.8	654.8	653.9	654.8
7	654.9	655.0	655.1	655.0	655.2	655.3	655.4	655.3	654.8	654.3	653.9	653.7	653.3	652.9	652.4	652.2	652.0	651.8	651.6	651.6	651.7	651.9	652.2	652.5	653.5	655.4
8	652.7	652.8	653.0	653.2	653.5	653.8	653.9	654.0	653.7	653.4	653.0	652.7	652.6	652.4	652.4	652.2	652.0	652.2	652.4	652.7	653.1	653.6	653.9	654.2	653.1	654.2
9	654.4	654.6	654.6	654.8	654.9	655.1	655.1	655.0	654.7	654.3	653.8	653.4	653.1	652.7	652.5	652.4	652.3	652.1	651.8	651.6	651.7	652.0	652.2	652.3	653.4	655.1
10	652.3	652.2	652.2	652.2	652.4	652.6	652.6	652.3	652.2	651.8	651.5	651.1	651.0	650.8	650.7	650.6	650.5	650.3	650.3	650.2	650.3	650.5	650.7	651.0	651.3	652.6
11	651.2	651.2	651.2	651.4	651.6	651.9	652.1	652.3	651.9	651.7	651.3	650.9	650.5	650.3	650.3	650.4	650.4	650.2	650.4	650.8	651.2	651.7	652.2	652.9	651.2	652.9
12	653.5	653.9	654.0	654.3	654.9	655.8	656.1	656.0	655.7	655.5	654.9	654.4	653.8	653.2	652.8	652.5	652.5	652.8	653.3	653.6	653.9	654.1	654.3	654.4	654.2	656.1
13	654.5	654.4	654.2	654.2	654.3	654.3	654.3	654.1	653.8	653.3	652.8	652.5	652.1	651.9	651.8	651.5	651.4	651.5	651.8	652.3	652.9	653.4	653.5	653.6	653.1	654.5
14	653.6	653.6	653.5	653.3	653.3	653.3	653.3	653.3	652.9	652.9	653.1	653.3	653.3	653.1	652.9	652.7	652.7	653.2	653.5	653.5	653.5	653.5	653.4	653.3	653.3	653.6
15	653.2	653.1	652.8	652.7	652.8	652.7	652.7	652.6	652.4	652.1	651.8	651.4	651.3	651.2	651.4	651.7	652.1	651.9	652.0	652.2	652.5	653.0	653.2	653.4	652.3	653.4
16	653.6	653.7	654.1	654.7	655.1	655.2	655.2	655.0	654.8	654.7	654.6	654.4	654.1	653.9	653.9	653.9	654.1	654.1	654.2	654.2	654.3	654.6	654.8	655.0	654.4	655.2
17	655.1	655.2	655.3	655.4	655.6	655.9	656.1	656.0	655.8	655.4	655.1	654.6	654.5	654.4	654.3	654.1	653.7	653.4	653.3	653.4	653.7	654.1	654.2	654.1	654.7	656.1
18	654.1	654.0	653.9	654.1	654.3	654.4	654.5	654.4	654.4	654.5	654.4	654.2	654.0	653.9	653.8	654.0	654.4	654.7	655.0	655.2	655.4	655.9	656.2	656.6	654.6	656.6
19	656.5	656.6	656.6	656.7	656.8	657.1	657.2	657.2	657.1	656.7	656.3	655.9	655.6	655.5	655.2	655.1	655.1	655.3	655.9	656.6	657.3	657.9	657.7	657.8	656.5	657.9
20	657.9	658.0	658.5	659.0	659.2	659.5	659.6	659.7	659.6	659.4	659.1	658.7	658.4	658.2	658.0	657.8	657.9	657.9	658.1	658.3	658.5	658.8	658.8	658.9	658.7	659.7
21	659.0	659.0	659.0	659.1	659.2	659.2	659.3	659.1	658.8	658.3	658.1	657.7	657.2	657.0	656.7	656.5	656.3	656.0	655.9	655.8	655.9	656.1	656.1	655.9	657.5	659.3
22	655.8	655.8	655.6	655.5	655.5	655.5	655.3	655.1	654.8	654.3	653.9	653.5	653.0	652.7	652.4	651.9	651.5	651.4	651.2	651.1	651.2	651.3	651.2	651.1	653.4	655.8
23	650.7	650.3	649.9	649.5	649.4	649.0	649.0	649.2	649.6	650.0	650.3	650.5	650.7	650.9	650.9	651.0	650.8	650.7	650.7	650.8	651.0	651.4	651.7	652.0	650.4	652.0
24	652.1	652.3	652.3	652.5	652.6	652.6	652.6	652.5	652.1	651.6	651.2	650.8	650.4	650.3	650.1	649.8	649.5	649.1	648.8	648.4	648.5	648.9	649.6	649.9	650.8	652.6
25	649.7	649.3	649.0	648.5	648.3	647.9	647.5	647.6	647.7	647.7	648.0	648.8	649.8	649.9	649.5	648.9	649.3	649.3	649.4	649.6	649.7	649.8	650.1	650.2	649.0	650.2
26	650.4	650.3	650.2	650.0	650.1	650.2	650.2	650.6	650.6	650.5	650.3	650.3	650.1	649.8	649.6	649.2	649.0	649.0	648.9	648.8	648.9	648.9	648.8	648.9	649.7	650.6
27	648.9	648.6	648.4	648.0	648.0	648.3	648.5	648.9	649.0	648.8	648.7	648.6	648.4	648.1	647.8	647.7	647.6	647.5	647.4	647.4	647.4	647.5	647.5	647.5	648.1	649.0
28	647.6	647.5	647.8	647.8	647.9	648.2	648.3	648.3	648.0	647.7	647.4	647.3	647.1	646.8	646.8	646.9	646.9	646.9	646.9	647.0	647.2	647.4	647.4	647.5	647.4	648.3
29	647.6	647.6	647.5	647.5	647.5	647.5	647.4	647.2	646.9	646.4	645.9	645.9	645.8	645.7	645.6	645.7	645.9	646.1	646.4	646.6	646.7	646.9	647.1	647.2	646.7	647.6
30	647.2	647.2	647.5	647.7	648.0	648.3	648.5	648.7	648.8	648.8	648.6	648.5	648.7	648.8	648.7	648.8	649.0	649.1	649.3	649.6	649.9	650.3	650.5	650.7	648.8	650.7
31	650.9	651.1	651.2	651.3	651.5	651.6	651.7	651.5	651.2	651.0	650.7	650.6	650.4	650.5	650.4	650.4	650.4	650.6	650.9	651.5	652.2	652.9	653.6	654.1	651.3	654.1
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	100.0%
MEAN	652.9	652.9	652.9	653.0	653.1	653.2	653.3	653.3	653.1	652.9	652.6	652.4	652.2	652.1	651.9	651.8	651.8	651.8	651.8	652.0	652.2	652.5	652.7	652.9		
MAX	659.0	659.0	659.0	659.1	659.2	659.5	659.6	659.7	659.6	659.4	659.1	658.7	658.4	658.2	658.0	657.8	657.9	657.9	658.1	658.3	658.5	658.8	658.8	658.9		



Number of Non-Zero Readings	744		
Maximum 1-HR Average	660	MMHg	
Maximum 24-HR Average	659	MMHg	
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	3.046	Monthly Average	652.5 MMHg

Lagoon Relative Humidity (%) – July 2024

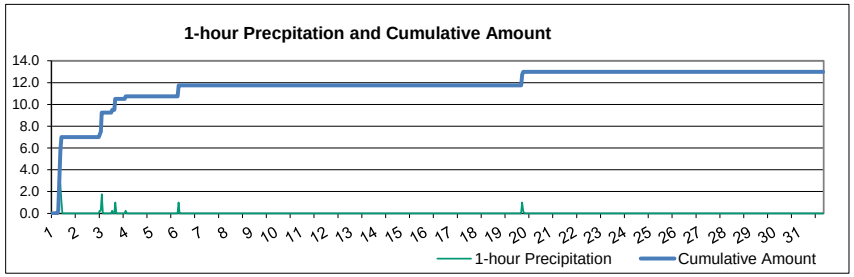
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	60.5	67.4	66.7	65.6	66.8	70.5	72.5	86.0	88.1	88.8	82.1	70.2	65.6	56.8	48.5	44.0	44.0	49.5	51.8	53.8	68.1	79.4	81.8	65.3	66.4	88.8
2	59.0	65.4	72.4	69.6	66.2	68.0	64.1	57.3	49.6	38.2	34.6	33.9	31.4	40.8	37.8	43.0	50.5	37.9	54.8	61.1	64.8	65.4	77.2	81.0	55.2	81.0
3	83.9	86.9	86.6	86.0	86.1	82.9	79.4	77.2	75.5	74.2	77.2	74.4	67.6	78.1	75.6	67.0	65.4	56.9	53.9	56.3	69.5	75.9	80.6	84.0	75.0	86.9
4	86.6	87.6	89.1	89.0	86.4	86.0	83.2	78.4	64.3	46.0	38.1	32.0	28.9	25.7	23.7	21.8	21.8	21.5	21.0	20.7	23.6	30.4	54.3	55.1	50.6	89.1
5	69.7	70.5	62.5	59.2	63.2	64.7	64.7	61.6	53.7	44.1	30.2	26.1	22.3	19.8	18.3	17.5	17.1	18.5	21.4	23.7	24.1	25.7	29.7	30.9	39.1	70.5
6	44.2	52.6	70.1	84.7	83.8	76.0	69.7	62.0	52.4	42.7	30.9	26.4	24.4	24.8	25.7	32.9	31.5	31.0	35.2	44.3	60.7	68.2	77.2	81.7	51.4	84.7
7	81.8	71.9	66.7	62.8	64.7	63.5	61.8	57.2	49.5	42.3	33.7	24.3	21.1	19.7	18.2	16.1	15.8	16.0	16.3	19.3	22.1	24.3	32.8	34.8	39.0	81.8
8	31.5	35.9	39.7	44.0	46.6	48.2	49.0	45.3	38.1	32.0	24.7	19.3	17.6	16.3	16.1	15.4	14.7	22.9	32.3	37.5	43.5	57.2	68.4	74.7	36.3	74.7
9	79.3	74.9	58.0	55.9	57.3	56.0	54.8	52.2	45.6	38.1	32.6	27.0	24.1	17.5	12.3	12.6	13.2	27.0	35.5	44.2	51.8	63.7	73.9	76.6	45.2	79.3
10	62.5	61.7	52.5	50.0	49.1	49.9	47.9	42.8	38.3	33.9	28.3	22.5	14.1	13.1	13.2	13.7	12.7	12.8	12.9	13.9	19.0	39.0	35.9	35.4	32.3	62.5
11	36.5	40.0	37.6	36.2	35.7	35.8	37.6	38.7	35.7	29.1	27.7	25.0	14.7	12.0	12.0	10.8	27.2	34.4	38.7	45.0	52.2	62.3	69.6	76.5	36.3	76.5
12	73.2	66.1	63.9	64.6	63.3	57.2	50.6	46.8	45.2	42.3	39.3	39.0	39.9	38.3	37.2	37.6	39.5	39.8	45.7	49.2	54.7	57.0	66.2	69.7	51.1	73.2
13	76.8	82.3	86.0	79.5	70.8	63.4	60.5	56.8	49.9	40.1	32.5	22.1	19.5	17.4	16.8	15.8	28.4	33.3	40.9	44.2	46.9	50.4	57.3	66.2	48.2	86.0
14	69.8	74.7	74.2	80.3	83.6	77.9	66.7	65.0	55.6	48.2	47.1	49.0	52.2	52.6	58.8	61.8	64.5	68.1	71.2	72.2	71.8	71.7	72.7	75.1	66.0	83.6
15	78.8	79.9	81.0	80.3	80.8	78.4	73.9	69.0	61.2	53.4	40.1	27.3	24.1	22.2	23.5	32.3	39.9	43.4	46.6	48.9	52.7	64.9	73.2	78.3	56.4	81.0
16	81.7	83.9	85.6	84.6	84.8	82.5	72.6	65.3	57.2	49.2	41.1	34.9	28.8	30.6	36.0	40.7	41.9	40.5	46.3	50.9	58.0	70.6	74.6	80.7	59.3	85.6
17	81.7	72.2	66.1	63.7	62.9	63.2	62.8	58.0	51.4	45.0	37.9	24.9	16.7	21.6	25.2	27.1	28.2	27.2	27.7	38.1	43.8	54.4	59.6	63.9	46.8	81.7
18	66.0	75.1	58.9	58.0	54.2	50.1	48.3	48.0	44.7	42.0	37.2	33.1	27.6	24.2	23.4	23.2	25.9	29.8	30.4	33.1	46.4	59.5	69.2	64.8	44.7	75.1
19	69.8	62.9	64.8	66.3	67.7	68.8	67.5	64.0	57.6	48.6	39.7	32.7	33.9	28.5	23.8	20.6	17.6	21.7	32.9	37.3	43.8	62.4	69.1	72.8	49.0	72.8
20	77.4	70.1	59.7	63.0	67.4	69.3	66.0	64.1	58.2	48.6	39.2	29.9	29.6	28.9	30.8	30.0	29.7	31.3	33.9	38.7	47.8	61.0	70.5	75.9	50.9	77.4
21	79.2	81.8	85.1	80.8	76.3	70.2	63.8	60.0	52.9	45.3	39.8	34.5	36.4	29.0	21.3	21.1	24.3	24.2	25.3	27.9	34.6	48.4	63.0	69.3	49.8	85.1
22	74.2	75.9	69.3	65.2	61.8	59.4	58.9	55.2	50.1	43.9	35.0	34.8	35.6	29.5	28.7	30.0	29.3	28.5	33.2	31.2	29.6	38.7	45.4	51.5	45.6	75.9
23	57.3	58.1	60.3	61.9	64.6	61.5	54.9	33.5	24.1	21.6	19.3	17.4	15.9	14.4	14.3	14.3	14.5	14.7	15.8	18.9	32.9	43.9	50.5	61.8	35.3	64.6
24	68.7	73.5	70.4	55.9	53.7	49.4	48.6	44.4	41.1	31.8	20.6	15.4	14.0	13.3	13.2	13.0	13.3	13.1	12.7	13.4	15.4	37.4	70.2	73.5	36.5	73.5
25	76.6	79.1	82.6	83.1	84.7	85.5	84.3	78.7	74.2	72.6	68.5	67.4	52.5	46.1	39.3	34.9	38.8	35.1	33.6	38.4	39.8	38.5	37.9	37.0	58.7	85.5
26	39.2	40.5	40.7	41.5	42.3	40.9	41.0	40.4	36.2	31.5	31.8	32.4	32.7	32.4	32.2	30.9	30.5	31.6	31.9	31.6	33.0	35.9	37.7	39.9	35.8	42.3
27	42.1	48.3	50.3	46.4	46.9	47.8	45.8	46.4	46.7	47.5	44.3	40.6	40.0	36.9	34.0	32.6	32.4	31.1	30.8	33.7	36.0	37.5	39.1	40.9	40.7	50.3
28	45.0	48.4	51.7	52.7	54.8	59.2	60.6	57.2	50.6	42.2	29.2	26.2	23.6	21.6	21.0	21.0	20.2	20.4	22.0	24.5	28.2	30.3	32.3	33.1	36.5	60.6
29	37.8	39.6	44.0	44.7	47.6	50.7	51.3	48.8	45.2	35.9	30.2	29.8	29.2	27.9	28.3	28.7	29.9	33.7	35.2	36.8	37.7	38.0	39.3	42.9	38.0	51.3
30	45.5	46.4	49.3	51.6	52.9	58.3	58.6	56.8	55.6	45.5	39.9	36.2	36.9	35.1	33.3	33.2	34.8	33.7	35.1	37.1	39.1	42.0	44.6	44.1	43.6	58.6
31	43.8	46.2	48.6	51.2	51.2	50.6	48.7	44.5	37.9	31.8	29.9	29.0	27.1	26.1	25.2	25.4	26.3	25.6	25.5	26.8	29.4	32.8	38.6	50.7	36.4	51.2
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	63.9	65.1	64.3	63.8	63.8	62.8	60.3	56.8	51.2	44.4	38.1	33.5	30.6	29.1	28.0	28.0	29.8	30.8	33.9	37.2	42.6	50.5	57.8	60.9		
MAX	86.6	87.6	89.1	89.0	86.4	86.0	84.3	86.0	88.1	88.8	82.1	74.4	67.6	78.1	75.6	67.0	65.4	68.1	71.2	72.2	71.8	79.4	81.8	84.0		



Number of Non-Zero Readings	744		
Maximum 1-HR Average	89.1 %		
Maximum 24-HR Average	75.0 %		
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	19.98	Monthly Average	47.0 %

Lagoon Precipitation (mm) – July 2024

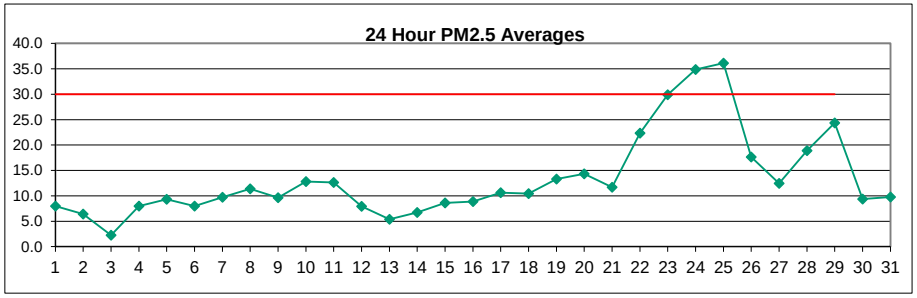
	HOUR																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY MAX	24-HOUR TOTAL
1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.8	2.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	7.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.8	3.3
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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	1.0	1.3
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NO.	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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		
MAX	1.8	0.0	1.0	0.0	0.0	0.0	0.3	2.8	2.8	1.3	0.3	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.3		



Number of Non-Zero Readings	13		
Maximum 1-HR Average	7.0 MM		
Maximum 24-HR Average	2.8 MM		
		Operational Time	744 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	0.176	Monthly Average	0.02 MM

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

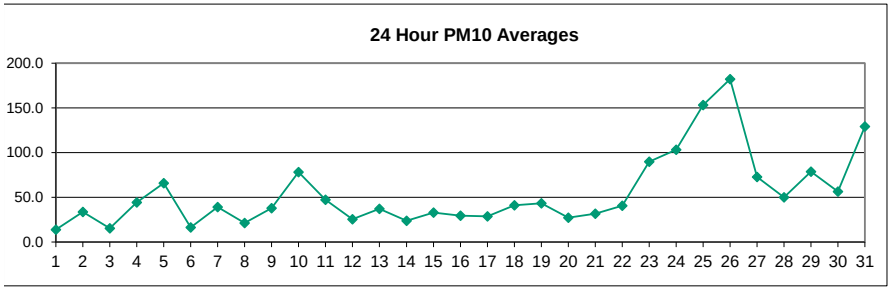
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	1.0	4.0	5.0	2.0	2.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0	16.0	2.0	34.0	6.0	22.0	44.0	0.0	38.0	2.0	8.0	44.0
2	1.0	6.0	2.0	0.0	2.0	0.0	0.0	0.0	6.0	9.0	7.0	23.0	16.0	17.0	9.0	6.0	20.0	16.0	4.0	6.0	2.0	1.0	1.0	0.0	6.4	23.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	30.0	2.0	1.0	3.0	1.0	1.0	2.3	30.0
4	1.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	9.0	5.0	0.0	36.0	0.0	6.0	C	C	11.0	21.0	38.0	19.0	2.0	13.0	8.0	8.0	38.0
5	9.0	8.0	5.0	5.0	4.0	1.0	0.0	0.0	0.0	3.0	9.0	7.0	24.0	6.0	17.0	9.0	25.0	53.0	14.0	7.0	4.0	6.0	5.0	3.0	9.3	53.0
6	4.0	3.0	0.0	0.0	0.0	0.0	1.0	4.0	3.0	2.0	22.0	24.0	17.0	11.0	42.0	16.0	12.0	18.0	4.0	4.0	4.0	0.0	0.0	1.0	8.0	42.0
7	1.0	2.0	2.0	9.0	7.0	14.0	8.0	6.0	5.0	14.0	9.0	12.0	23.0	1.0	6.0	7.0	14.0	20.0	28.0	20.0	13.0	6.0	2.0	4.0	9.7	28.0
8	3.0	3.0	3.0	6.0	4.0	2.0	2.0	2.0	0.0	36.0	24.0	9.0	9.0	5.0	11.0	31.0	15.0	11.0	14.0	11.0	19.0	12.0	28.0	13.0	11.4	36.0
9	9.0	5.0	8.0	8.0	7.0	14.0	32.0	11.0	10.0	14.0	12.0	18.0	10.0	6.0	3.0	5.0	6.0	6.0	10.0	8.0	7.0	6.0	7.0	9.0	9.6	32.0
10	8.0	10.0	14.0	10.0	8.0	8.0	15.0	11.0	6.0	13.0	8.0	12.0	22.0	24.0	12.0	14.0	44.0	10.0	11.0	34.0	6.0	3.0	2.0	2.0	12.8	44.0
11	15.0	7.0	5.0	5.0	9.0	9.0	6.0	8.0	12.0	16.0	16.0	22.0	7.0	19.0	9.0	11.0	21.0	21.0	19.0	19.0	11.0	15.0	11.0	10.0	12.6	22.0
12	13.0	11.0	7.0	13.0	10.0	9.0	7.0	10.0	14.0	10.0	10.0	13.0	11.0	8.0	9.0	6.0	4.0	2.0	3.0	1.0	0.0	7.0	7.0	5.0	7.9	14.0
13	1.0	3.0	3.0	4.0	5.0	4.0	2.0	2.0	5.0	5.0	5.0	3.0	8.0	12.0	7.0	10.0	8.0	5.0	8.0	6.0	3.0	7.0	6.0	7.0	5.4	12.0
14	5.0	6.0	8.0	7.0	7.0	4.0	7.0	12.0	9.0	7.0	7.0	4.0	1.0	5.0	6.0	5.0	5.0	14.0	7.0	5.0	9.0	7.0	8.0	7.0	6.8	14.0
15	6.0	6.0	7.0	10.0	9.0	7.0	12.0	9.0	11.0	12.0	10.0	15.0	7.0	5.0	8.0	10.0	6.0	5.0	6.0	7.0	5.0	13.0	12.0	9.0	8.6	15.0
16	6.0	5.0	6.0	7.0	4.0	4.0	10.0	16.0	14.0	16.0	16.0	16.0	7.0	7.0	14.0	9.0	6.0	7.0	8.0	5.0	9.0	8.0	8.0	5.0	8.9	16.0
17	8.0	6.0	9.0	8.0	6.0	7.0	9.0	16.0	13.0	11.0	15.0	7.0	2.0	22.0	21.0	15.0	12.0	13.0	10.0	8.0	11.0	10.0	10.0	6.0	10.6	22.0
18	6.0	6.0	5.0	5.0	6.0	5.0	10.0	10.0	8.0	11.0	16.0	10.0	17.0	10.0	12.0	16.0	12.0	11.0	14.0	14.0	13.0	10.0	9.0	15.0	10.5	17.0
19	14.0	15.0	14.0	18.0	17.0	21.0	13.0	15.0	19.0	13.0	16.0	17.0	13.0	11.0	6.0	9.0	7.0	9.0	9.0	11.0	7.0	11.0	12.0	22.0	13.3	22.0
20	23.0	20.0	16.0	17.0	12.0	19.0	13.0	14.0	18.0	17.0	12.0	17.0	18.0	13.0	13.0	12.0	11.0	12.0	12.0	10.0	10.0	13.0	11.0	11.0	14.3	23.0
21	12.0	11.0	11.0	10.0	12.0	14.0	15.0	16.0	15.0	11.0	16.0	13.0	12.0	10.0	9.0	11.0	12.0	10.0	14.0	9.0	10.0	9.0	10.0	9.0	11.7	16.0
22	10.0	8.0	11.0	14.0	16.0	15.0	14.0	12.0	17.0	14.0	21.0	55.0	27.0	34.0	29.0	27.0	31.0	23.0	20.0	34.0	33.0	28.0	23.0	20.0	22.3	55.0
23	24.0	20.0	20.0	20.0	24.0	31.0	33.0	30.0	44.0	32.0	30.0	30.0	31.0	21.0	34.0	28.0	19.0	28.0	30.0	40.0	35.0	31.0	41.0	42.0	29.9	44.0
24	47.0	47.0	46.0	40.0	38.0	41.0	41.0	53.0	44.0	30.0	23.0	11.0	11.0	12.0	11.0	9.0	10.0	19.0	7.0	61.0	96.0	74.0	34.0	32.0	34.9	96.0
25	29.0	27.0	24.0	28.0	22.0	27.0	28.0	63.0	105.0	112.0	58.0	43.0	23.0	8.0	13.0	16.0	20.0	22.0	29.0	54.0	30.0	34.0	27.0	25.0	36.1	112.0
26	12.0	24.0	22.0	13.0	14.0	18.0	14.0	15.0	13.0	10.0	16.0	24.0	11.0	18.0	36.0	38.0	21.0	21.0	18.0	17.0	14.0	10.0	12.0	12.0	17.6	38.0
27	8.0	7.0	7.0	8.0	6.0	6.0	17.0	15.0	16.0	20.0	16.0	12.0	12.0	12.0	9.0	13.0	10.0	12.0	15.0	15.0	19.0	12.0	16.0	16.0	12.5	20.0
28	13.0	14.0	15.0	12.0	13.0	14.0	11.0	12.0	9.0	7.0	18.0	14.0	16.0	18.0	23.0	30.0	26.0	23.0	24.0	34.0	23.0	28.0	27.0	29.0	18.9	34.0
29	24.0	25.0	23.0	22.0	21.0	23.0	23.0	24.0	26.0	36.0	36.0	32.0	37.0	30.0	32.0	31.0	21.0	21.0	21.0	19.0	14.0	13.0	13.0	17.0	24.3	37.0
30	11.0	11.0	9.0	12.0	12.0	14.0	12.0	13.0	16.0	17.0	11.0	8.0	8.0	8.0	6.0	8.0	6.0	8.0	8.0	6.0	4.0	5.0	5.0	7.0	9.4	17.0
31	5.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	10.0	15.0	14.0	18.0	27.0	26.0	24.0	14.0	13.0	16.0	13.0	9.0	8.0	7.0	10.0	5.0	9.8	27.0
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	742	100.0%
MEAN	10.6	10.4	9.9	10.1	9.6	10.8	11.5	13.0	15.4	17.0	15.5	15.8	14.9	12.3	14.3	14.4	14.0	15.7	14.1	17.3	15.6	12.6	13.2	11.4	7.5	
MAX	47.0	47.0	46.0	40.0	38.0	41.0	41.0	63.0	105.0	112.0	58.0	55.0	37.0	34.0	42.0	38.0	44.0	53.0	30.0	61.0	96.0	74.0	41.0	42.0	17.4	70.0



Number of 24HR Exceedences	2	Proposed Guideline	
Number of Non-Zero Readings	693		
Maximum 1-HR Average	112.0	UG/M3	
Maximum 24-HR Average	36.1	UG/M3	
		Operational Time	744 HRS
Monthly Calibration	2	Operational Uptime	100.0 %
Standard Deviation	12.2	Monthly Average	13.3 UG/M3

Windridge PM_{10} (µg/m^3) – July 2024

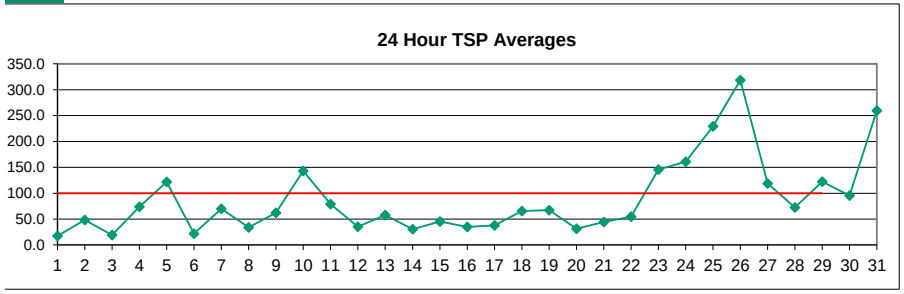
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	35.0	8.0	10.0	11.0	7.0	3.0	4.0	11.0	7.0	5.0	18.0	27.0	13.0	29.0	20.0	24.0	12.0	9.0	34.0	12.0	7.0	16.0	6.0	9.0	14.0	35.0
2	21.0	16.0	17.0	3.0	2.0	8.0	11.0	22.0	33.0	73.0	69.0	59.0	48.0	94.0	66.0	122.0	49.0	57.0	15.0	8.0	6.0	3.0	3.0	4.0	33.7	122.0
3	6.0	4.0	8.0	6.0	8.0	5.0	2.0	6.0	29.0	38.0	10.0	10.0	7.0	18.0	17.0	33.0	7.0	47.0	58.0	27.0	2.0	15.0	6.0	3.0	15.5	58.0
4	2.0	4.0	6.0	9.0	10.0	9.0	9.0	12.0	10.0	69.0	29.0	26.0	55.0	84.0	62.0	C	C	151.0	142.0	189.0	46.0	35.0	8.0	8.0	44.3	189.0
5	10.0	33.0	26.0	68.0	13.0	11.0	18.0	6.0	33.0	42.0	78.0	70.0	90.0	85.0	103.0	102.0	90.0	161.0	160.0	125.0	56.0	112.0	62.0	28.0	65.9	161.0
6	29.0	17.0	42.0	12.0	22.0	11.0	13.0	18.0	8.0	10.0	15.0	23.0	21.0	32.0	25.0	15.0	11.0	8.0	3.0	8.0	17.0	14.0	12.0	7.0	16.4	42.0
7	6.0	27.0	14.0	11.0	10.0	18.0	6.0	22.0	13.0	62.0	14.0	20.0	15.0	8.0	11.0	76.0	108.0	137.0	65.0	131.0	68.0	57.0	22.0	17.0	39.1	137.0
8	11.0	13.0	17.0	11.0	8.0	12.0	13.0	23.0	22.0	14.0	29.0	28.0	12.0	39.0	29.0	36.0	21.0	36.0	27.0	33.0	27.0	25.0	13.0	17.0	21.5	39.0
9	12.0	17.0	17.0	23.0	19.0	28.0	69.0	72.0	43.0	70.0	66.0	51.0	28.0	34.0	77.0	58.0	43.0	20.0	31.0	29.0	34.0	27.0	21.0	22.0	38.0	77.0
10	11.0	22.0	22.0	27.0	24.0	54.0	114.0	68.0	32.0	127.0	96.0	96.0	268.0	206.0	96.0	108.0	89.0	78.0	169.0	100.0	19.0	13.0	9.0	31.0	78.3	268.0
11	13.0	9.0	10.0	6.0	14.0	31.0	54.0	116.0	99.0	74.0	47.0	25.0	44.0	81.0	100.0	75.0	55.0	41.0	40.0	46.0	43.0	51.0	38.0	26.0	47.4	116.0
12	39.0	34.0	24.0	19.0	21.0	21.0	14.0	17.0	26.0	26.0	24.0	32.0	22.0	19.0	28.0	21.0	22.0	68.0	23.0	27.0	20.0	22.0	28.0	17.0	25.6	68.0
13	27.0	26.0	17.0	23.0	40.0	17.0	21.0	19.0	42.0	22.0	29.0	35.0	102.0	114.0	69.0	83.0	38.0	23.0	27.0	30.0	24.0	22.0	21.0	22.0	37.2	114.0
14	21.0	16.0	18.0	25.0	27.0	17.0	35.0	24.0	33.0	27.0	32.0	18.0	23.0	22.0	25.0	32.0	34.0	31.0	21.0	19.0	21.0	19.0	19.0	16.0	24.0	35.0
15	17.0	12.0	25.0	29.0	31.0	24.0	22.0	33.0	56.0	45.0	38.0	87.0	51.0	36.0	29.0	46.0	27.0	36.0	26.0	29.0	27.0	34.0	19.0	16.0	33.1	87.0
16	17.0	17.0	21.0	22.0	20.0	23.0	33.0	47.0	42.0	74.0	33.0	34.0	27.0	21.0	26.0	30.0	18.0	15.0	55.0	27.0	38.0	36.0	24.0	11.0	29.6	74.0
17	14.0	16.0	21.0	18.0	19.0	28.0	21.0	68.0	96.0	54.0	41.0	85.0	13.0	17.0	20.0	18.0	11.0	17.0	15.0	17.0	26.0	15.0	19.0	24.0	28.9	96.0
18	19.0	13.0	11.0	17.0	11.0	20.0	57.0	98.0	70.0	27.0	72.0	42.0	47.0	32.0	37.0	46.0	56.0	47.0	96.0	58.0	37.0	19.0	17.0	40.0	41.2	98.0
19	31.0	27.0	24.0	40.0	34.0	25.0	58.0	77.0	62.0	83.0	69.0	58.0	47.0	39.0	13.0	101.0	47.0	51.0	36.0	19.0	18.0	32.0	20.0	33.0	43.5	101.0
20	28.0	32.0	20.0	18.0	19.0	22.0	18.0	27.0	28.0	28.0	28.0	62.0	47.0	29.0	27.0	28.0	22.0	25.0	25.0	22.0	27.0	32.0	22.0	19.0	27.3	62.0
21	47.0	31.0	22.0	20.0	42.0	23.0	43.0	62.0	28.0	42.0	65.0	29.0	26.0	32.0	49.0	24.0	28.0	24.0	24.0	22.0	16.0	22.0	17.0	23.0	31.7	65.0
22	24.0	22.0	25.0	44.0	56.0	26.0	25.0	42.0	74.0	54.0	96.0	51.0	43.0	38.0	43.0	39.0	42.0	36.0	34.0	50.0	32.0	27.0	31.0	24.0	40.8	96.0
23	29.0	32.0	26.0	33.0	40.0	116.0	140.0	198.0	197.0	111.0	84.0	81.0	98.0	37.0	182.0	107.0	88.0	108.0	137.0	122.0	50.0	38.0	50.0	54.0	89.9	198.0
24	59.0	54.0	59.0	54.0	51.0	70.0	111.0	158.0	133.0	112.0	99.0	74.0	121.0	86.0	118.0	120.0	65.0	121.0	56.0	331.0	176.0	145.0	59.0	46.0	103.3	331.0
25	45.0	44.0	43.0	39.0	40.0	47.0	57.0	94.0	144.0	135.0	78.0	69.0	278.0	41.0	90.0	126.0	151.0	147.0	110.0	485.0	122.0	322.0	485.0	485.0	153.2	485.0
26	188.0	379.0	214.0	163.0	88.0	99.0	98.0	127.0	74.0	158.0	241.0	251.0	116.0	276.0	485.0	354.0	112.0	199.0	138.0	160.0	145.0	118.0	107.0	87.0	182.4	485.0
27	22.0	9.0	18.0	26.0	11.0	38.0	117.0	92.0	95.0	100.0	79.0	78.0	93.0	83.0	159.0	145.0	77.0	141.0	104.0	126.0	50.0	37.0	28.0	22.0	72.9	159.0
28	23.0	21.0	21.0	18.0	17.0	25.0	20.0	17.0	19.0	45.0	74.0	64.0	51.0	41.0	91.0	117.0	51.0	117.0	114.0	89.0	45.0	49.0	34.0	37.0	50.0	117.0
29	34.0	35.0	34.0	31.0	27.0	30.0	29.0	43.0	48.0	124.0	170.0	174.0	256.0	173.0	132.0	84.0	75.0	70.0	65.0	67.0	51.0	45.0	32.0	61.0	78.8	256.0
30	55.0	30.0	14.0	13.0	12.0	16.0	34.0	49.0	38.0	80.0	74.0	40.0	59.0	50.0	72.0	85.0	100.0	88.0	58.0	83.0	76.0	71.0	87.0	71.0	56.5	100.0
31	38.0	22.0	3.0	3.0	5.0	8.0	15.0	80.0	132.0	244.0	213.0	180.0	357.0	353.0	358.0	183.0	131.0	196.0	156.0	148.0	72.0	92.0	100.0	12.0	129.2	358.0
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	742	100.0%
MEAN	30.1	33.6	27.4	27.2	24.1	28.5	41.3	56.4	57.0	70.2	68.1	63.8	79.9	72.5	85.8	81.3	56.0	74.4	66.6	85.1	45.1	50.5	45.8	41.7	42.0	
MAX	188.0	379.0	214.0	163.0	88.0	116.0	140.0	198.0	197.0	244.0	241.0	251.0	357.0	353.0	485.0	354.0	151.0	199.0	169.0	485.0	176.0	322.0	485.0	485.0	91.1	433.3



Number of Non-Zero Readings	742		
Maximum 1-HR Average	485.0 UG/M3		
Maximum 24-HR Average	182.4 UG/M3		
		Operational Time	744 HRS
Monthly Calibration	2	Operational Uptime	100.0 %
Standard Deviation	63.11	Monthly Average	54.6 UG/M3

Windridge TSP (µg/m^3) – July 2024

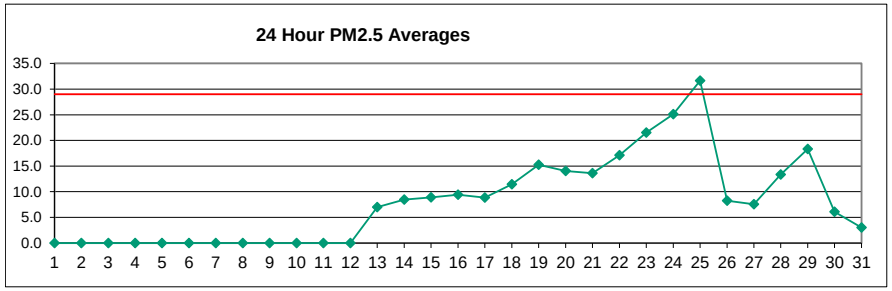
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	70.0	4.0	24.0	15.0	15.0	8.0	5.0	9.0	6.0	4.0	7.0	3.0	23.0	36.0	28.0	19.0	27.0	15.0	32.0	18.0	22.0	17.0	8.0	6.0	17.5	70.0
2	9.0	14.0	9.0	5.0	4.0	3.0	1.0	16.0	54.0	113.0	123.0	123.0	79.0	127.0	123.0	177.0	85.0	45.0	17.0	1.0	10.0	11.0	8.0	5.0	48.4	177.0
3	4.0	3.0	5.0	6.0	6.0	4.0	3.0	6.0	39.0	56.0	11.0	14.0	8.0	19.0	15.0	10.0	8.0	69.0	84.0	44.0	10.0	22.0	12.0	7.0	19.4	84.0
4	4.0	4.0	1.0	5.0	6.0	6.0	19.0	14.0	15.0	84.0	59.0	46.0	48.0	59.0	117.0	C	171.0	259.0	279.0	332.0	90.0	65.0	5.0	6.0	73.7	332.0
5	10.0	49.0	53.0	148.0	17.0	12.0	31.0	12.0	63.0	71.0	123.0	119.0	156.0	148.0	176.0	221.0	167.0	296.0	323.0	238.0	108.0	218.0	115.0	49.0	121.8	323.0
6	53.0	17.0	68.0	15.0	27.0	4.0	10.0	11.0	9.0	20.0	21.0	31.0	38.0	49.0	40.0	17.0	8.0	11.0	9.0	15.0	27.0	9.0	6.0	4.0	21.6	68.0
7	4.0	30.0	20.0	12.0	13.0	15.0	15.0	23.0	12.0	89.0	15.0	33.0	47.0	25.0	27.0	150.0	217.0	270.0	116.0	217.0	138.0	109.0	45.0	35.0	69.9	270.0
8	20.0	13.0	15.0	15.0	15.0	10.0	22.0	21.0	26.0	17.0	54.0	32.0	33.0	75.0	57.0	66.0	47.0	76.0	46.0	48.0	33.0	29.0	18.0	22.0	33.8	76.0
9	18.0	23.0	27.0	33.0	28.0	42.0	118.0	129.0	72.0	101.0	95.0	84.0	54.0	81.0	140.0	107.0	79.0	37.0	53.0	48.0	52.0	26.0	22.0	20.0	62.0	140.0
10	17.0	33.0	38.0	52.0	44.0	99.0	198.0	100.0	49.0	238.0	147.0	176.0	477.0	396.0	189.0	200.0	180.0	143.0	335.0	195.0	35.0	27.0	7.0	61.0	143.2	477.0
11	19.0	7.0	12.0	15.0	23.0	46.0	86.0	222.0	179.0	120.0	54.0	34.0	92.0	159.0	182.0	147.0	106.0	55.0	66.0	63.0	52.0	73.0	50.0	36.0	79.1	222.0
12	48.0	43.0	31.0	28.0	28.0	30.0	25.0	29.0	40.0	36.0	39.0	44.0	31.0	35.0	39.0	37.0	32.0	32.0	33.0	46.0	34.0	33.0	43.0	25.0	35.0	48.0
13	27.0	28.0	22.0	29.0	51.0	18.0	26.0	28.0	26.0	21.0	22.0	58.0	198.0	228.0	137.0	166.0	64.0	34.0	41.0	40.0	32.0	25.0	39.0	22.0	57.6	228.0
14	29.0	22.0	22.0	39.0	40.0	11.0	42.0	26.0	27.0	40.0	57.0	22.0	23.0	32.0	33.0	31.0	47.0	39.0	30.0	22.0	25.0	19.0	27.0	24.0	30.4	57.0
15	10.0	17.0	31.0	27.0	39.0	18.0	21.0	44.0	71.0	47.0	57.0	145.0	93.0	65.0	49.0	75.0	33.0	32.0	32.0	42.0	42.0	49.0	26.0	18.0	45.1	145.0
16	19.0	19.0	26.0	32.0	20.0	26.0	49.0	67.0	48.0	110.0	46.0	36.0	28.0	33.0	36.0	53.0	24.0	18.0	28.0	26.0	37.0	25.0	18.0	13.0	34.9	110.0
17	16.0	20.0	35.0	27.0	18.0	39.0	20.0	102.0	174.0	81.0	39.0	48.0	21.0	36.0	35.0	17.0	24.0	19.0	14.0	23.0	39.0	15.0	17.0	32.0	38.0	174.0
18	29.0	21.0	13.0	24.0	20.0	37.0	91.0	171.0	102.0	42.0	128.0	77.0	83.0	55.0	61.0	89.0	114.0	20.0	184.0	53.0	55.0	25.0	18.0	58.0	65.4	184.0
19	40.0	33.0	21.0	48.0	43.0	37.0	79.0	86.0	88.0	142.0	111.0	93.0	74.0	60.0	30.0	199.0	83.0	124.0	70.0	24.0	17.0	52.0	25.0	38.0	67.4	199.0
20	36.0	30.0	20.0	15.0	20.0	26.0	24.0	34.0	30.0	32.0	43.0	40.0	31.0	41.0	36.0	40.0	35.0	29.0	35.0	33.0	29.0	40.0	29.0	23.0	31.3	43.0
21	76.0	39.0	26.0	21.0	47.0	28.0	72.0	117.0	32.0	88.0	142.0	44.0	33.0	33.0	30.0	31.0	38.0	33.0	26.0	21.0	25.0	28.0	20.0	16.0	44.4	142.0
22	26.0	22.0	48.0	63.0	81.0	39.0	35.0	59.0	111.0	83.0	127.0	66.0	54.0	55.0	55.0	48.0	50.0	46.0	43.0	77.0	31.0	28.0	35.0	29.0	54.6	127.0
23	29.0	32.0	32.0	40.0	46.0	193.0	255.0	338.0	386.0	172.0	127.0	126.0	150.0	51.0	317.0	172.0	131.0	172.0	287.0	234.0	61.0	42.0	55.0	52.0	145.8	386.0
24	60.0	58.0	60.0	59.0	52.0	78.0	153.0	240.0	188.0	167.0	165.0	146.0	222.0	152.0	233.0	249.0	117.0	194.0	90.0	590.0	246.0	222.0	68.0	56.0	161.0	685.0
25	45.0	55.0	48.0	46.0	44.0	57.0	67.0	91.0	144.0	145.0	89.0	72.0	371.0	59.0	147.0	224.0	280.0	235.0	180.0	965.0	217.0	507.0	730.0	685.0	229.3	965.0
26	303.0	547.0	359.0	257.0	131.0	172.0	185.0	248.0	135.0	283.0	540.0	425.0	189.0	520.0	876.0	596.0	193.0	330.0	262.0	323.0	173.0	237.0	203.0	158.0	318.5	876.0
27	24.0	12.0	22.0	36.0	15.0	55.0	175.0	152.0	152.0	155.0	127.0	139.0	150.0	130.0	281.0	261.0	141.0	259.0	165.0	223.0	77.0	45.0	33.0	26.0	119.0	281.0
28	26.0	27.0	17.0	16.0	21.0	24.0	24.0	20.0	17.0	75.0	128.0	106.0	79.0	74.0	159.0	199.0	74.0	170.0	163.0	137.0	55.0	58.0	38.0	36.0	72.6	199.0
29	33.0	35.0	35.0	39.0	33.0	31.0	38.0	57.0	52.0	157.0	281.0	273.0	433.0	272.0	235.0	130.0	115.0	130.0	122.0	118.0	95.0	72.0	56.0	91.0	122.2	433.0
30	100.0	46.0	17.0	11.0	15.0	21.0	46.0	75.0	49.0	127.0	110.0	69.0	86.0	86.0	121.0	164.0	178.0	162.0	101.0	152.0	146.0	120.0	176.0	116.0	95.6	178.0
31	60.0	43.0	3.0	7.0	6.0	11.0	30.0	130.0	234.0	518.0	457.0	347.0	742.0	705.0	659.0	368.0	236.0	393.0	339.0	400.0	153.0	202.0	173.0	12.0	259.5	742.0
NO.	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	31	31	31	31	31	743	100.0%
MEAN	40.8	43.4	37.4	38.2	31.2	38.7	63.4	86.4	84.8	110.8	114.3	99.1	133.7	125.7	150.4	142.1	100.1	120.9	116.3	153.8	69.9	79.0	68.5	57.5		
MAX	303.0	547.0	359.0	257.0	131.0	193.0	255.0	338.0	386.0	518.0	540.0	425.0	742.0	705.0	876.0	596.0	280.0	393.0	339.0	965.0	246.0	507.0	730.0	685.0		



Number of 24HR Exceedences	9	Proposed Guideline	
Number of Non-Zero Readings	743		
Maximum 1-HR Average	965.0	UG/M3	
Maximum 24-HR Average	318.5	UG/M3	
IZS Calibration Time		Operational Time	744 HRS
Down Time	0	Operational Uptime	100.0 %
Standard Deviation	114.9	Monthly Average	87.7 UG/M3

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

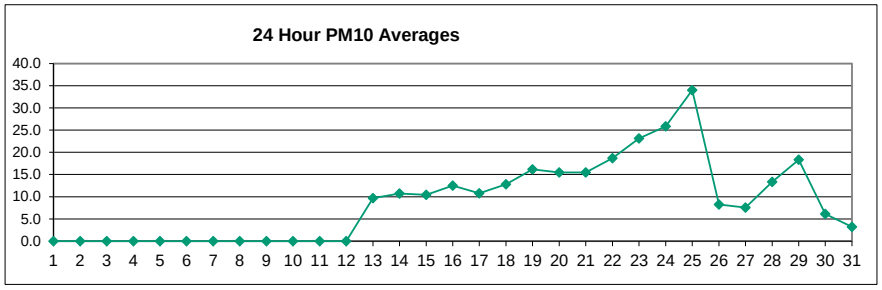
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
4	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
5	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
6	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
7	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
8	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
9	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
10	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
11	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
12	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	12.7	14.5	16.4	13.3	7.2	7.2	6.4	14.4	13.4	-	-
13	12.1	11.5	10.3	6.8	6.1	5.4	5.2	5.3	4.9	4.3	4.3	1.8	2.3	2.7	1.9	1.9	4.2	14.4	10.2	9.2	10.4	11.1	9.8	12.0	7.0	14.4
14	10.2	8.2	7.4	7.5	8.3	7.3	6.9	6.6	6.7	7.8	10.9	9.9	8.6	9.1	7.9	7.8	9.1	9.5	9.6	9.5	9.2	8.4	8.3	8.3	8.5	10.9
15	11.4	9.6	9.9	10.7	10.2	10.7	12.3	12.8	12.1	11.4	7.5	4.0	2.9	2.4	4.1	12.6	9.9	8.9	9.2	9.0	9.4	8.1	7.0	7.0	8.9	12.8
16	9.4	7.2	7.8	9.0	10.2	9.8	10.5	11.2	9.6	7.6	7.1	11.7	8.6	12.5	13.2	13.2	9.3	11.6	7.4	7.2	9.4	8.2	6.8	7.0	9.4	13.2
17	8.3	9.6	9.5	9.9	10.1	9.9	11.7	12.6	11.1	8.7	7.0	6.7	4.9	8.1	11.1	8.1	6.9	10.9	8.1	7.2	7.2	7.7	8.2	9.0	8.9	12.6
18	10.0	10.0	9.7	9.1	9.2	11.4	13.3	13.3	12.5	11.3	10.0	8.4	8.7	8.9	8.1	7.2	8.8	9.4	9.8	10.3	14.7	16.8	21.1	23.0	11.5	23.0
19	23.9	18.4	16.6	16.0	14.7	15.9	19.6	18.1	19.5	17.0	13.3	12.0	13.9	12.1	8.0	6.3	5.4	7.6	8.5	9.6	12.7	21.3	27.8	27.9	15.3	27.9
20	27.1	20.0	19.2	17.3	16.3	16.0	15.8	16.2	15.1	13.5	11.5	9.5	12.9	13.1	11.9	9.8	9.4	10.2	9.6	9.6	11.3	12.9	14.2	14.8	14.0	27.1
21	17.7	18.0	17.4	16.8	16.7	16.1	17.3	18.6	16.2	13.5	12.6	11.3	9.4	9.9	10.3	11.0	11.2	9.4	9.9	9.5	9.7	12.1	15.3	16.8	13.6	18.6
22	17.3	18.3	18.8	18.6	17.0	18.6	21.3	21.9	18.9	15.9	13.6	14.3	14.4	16.2	15.3	15.2	15.1	14.3	16.7	24.6	14.4	15.0	16.3	19.0	17.1	24.6
23	18.9	20.1	20.3	19.6	21.4	22.8	32.8	27.4	19.3	15.4	14.2	15.0	15.1	11.8	10.9	10.8	11.9	11.4	12.1	16.1	27.2	40.9	47.5	53.6	21.5	53.6
24	42.7	33.2	34.6	31.8	31.9	33.9	34.5	43.2	41.5	28.6	13.9	7.9	5.2	4.1	4.6	5.0	5.7	5.0	5.0	28.7	48.3	38.6	34.6	40.2	25.1	48.3
25	39.8	36.6	23.3	25.1	23.2	32.9	35.6	60.2	102.1	106.6	68.7	46.5	14.5	6.4	8.0	12.0	14.1	16.4	17.8	23.8	17.0	11.3	10.2	7.1	31.6	106.6
26	5.6	5.2	5.4	6.4	6.9	6.6	7.7	8.1	6.7	6.5	9.7	11.9	10.3	10.4	14.3	11.2	9.7	8.6	8.6	9.8	8.6	7.1	6.6	6.1	8.3	14.3
27	6.2	6.2	6.1	5.9	6.0	6.1	5.6	5.5	5.8	6.0	6.1	6.5	6.8	6.8	7.1	6.8	7.2	8.1	8.9	9.4	11.0	11.7	12.2	13.6	7.6	13.6
28	14.4	14.8	13.6	12.7	12.9	12.8	11.8	11.5	11.8	11.1	10.4	9.4	8.7	11.3	11.2	10.1	8.9	9.5	11.3	17.2	19.1	22.7	22.3	21.4	13.4	22.7
29	22.3	21.6	21.6	22.4	21.5	23.1	31.0	31.6	28.0	24.9	21.5	19.3	16.0	16.2	15.8	15.5	13.1	13.4	12.1	13.1	9.9	8.9	8.7	8.3	18.3	31.6
30	8.4	8.1	8.8	8.9	10.3	11.5	13.7	12.8	12.6	8.3	5.1	4.2	4.0	3.2	2.6	3.0	2.7	2.6	2.9	2.9	2.5	2.7	2.6	2.0	6.1	13.7
31	1.6	1.6	2.6	2.1	2.2	2.8	3.9	2.3	2.2	2.2	2.2	2.9	3.5	4.0	4.3	3.9	3.4	3.4	3.8	3.1	2.8	2.8	3.2	5.6	3.0	5.6
NO.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	465	63%
MEAN	16.2	14.6	13.8	13.5	13.4	14.4	16.3	17.8	18.8	16.9	13.1	11.2	9.0	8.9	9.0	9.2	9.0	10.1	9.7	11.9	13.1	13.7	14.9	15.8		
MAX	42.7	36.6	34.6	31.8	31.9	33.9	35.6	60.2	102.1	106.6	68.7	46.5	16.0	16.2	15.8	15.5	15.1	16.4	17.8	28.7	48.3	40.9	47.5	53.6		



Number of 24HR Exceedences	1	Proposed Guideline	
Number of Non-Zero Readings	465		
Maximum 1-HR Average	106.6	UG/M3	
Maximum 24-HR Average	31.6	UG/M3	
IZS Calibration Time		Operational Time	465 HRS
Down Time	0	Operational Uptime	62.5 %
Standard Deviation	10.75	Monthly Average	13.1 UG/M3

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

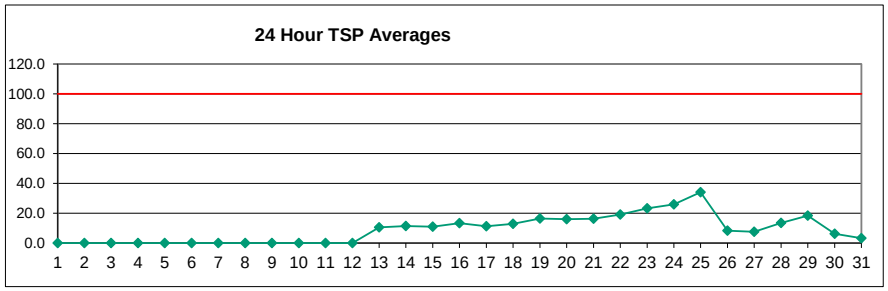
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
4	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
5	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
6	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
7	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
8	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
9	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
10	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
11	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
12	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	18.0	20.9	23.9	19.7	10.7	10.7	9.6	21.5	19.9	-	-
13	18.0	17.0	15.1	7.9	7.3	6.2	6.2	7.2	6.1	5.7	5.7	2.0	3.1	3.9	2.3	2.2	6.0	20.9	14.4	13.0	15.1	16.2	13.1	17.8	9.7	20.9
14	15.0	11.7	9.7	9.7	11.3	9.2	8.5	7.3	8.1	11.6	15.2	13.5	12.0	12.8	10.4	10.5	11.1	11.9	11.4	9.5	9.6	8.7	9.0	10.1	10.7	15.2
15	12.2	9.6	9.9	10.7	10.2	10.7	12.3	12.8	12.1	11.8	7.9	4.2	2.9	2.4	5.4	17.5	14.5	13.3	13.7	13.5	13.6	11.2	9.3	9.1	10.4	17.5
16	11.6	9.7	9.9	11.3	11.2	9.8	10.7	12.7	11.3	9.3	9.5	17.0	12.8	18.4	19.4	19.4	13.6	17.3	10.7	10.6	14.0	11.5	8.9	9.1	12.5	19.4
17	8.3	9.6	9.5	9.9	10.1	9.9	11.7	13.5	13.5	9.3	8.2	8.9	6.3	11.8	16.4	12.0	10.2	16.1	12.0	10.2	10.0	9.4	10.5	11.4	10.8	16.4
18	12.9	12.1	10.1	9.1	9.2	11.4	14.1	15.7	15.0	13.2	11.7	8.7	9.3	9.4	8.1	7.2	11.1	12.0	9.8	10.3	17.8	20.4	21.3	27.2	12.8	27.2
19	25.3	18.4	16.6	16.0	14.7	15.9	19.6	18.1	19.5	17.0	13.3	12.0	16.7	15.3	10.0	7.8	5.4	8.9	10.6	10.9	15.7	23.4	29.5	27.9	16.2	29.5
20	27.1	20.0	19.2	17.3	16.3	16.0	15.8	16.2	15.1	13.5	11.5	9.5	15.5	16.3	14.8	12.4	12.2	12.6	12.1	12.5	12.7	15.8	17.8	19.0	15.5	27.1
21	22.9	23.0	17.4	16.8	16.7	16.1	17.3	18.6	16.2	13.5	12.6	14.6	11.7	12.4	13.1	13.7	13.8	11.7	12.1	11.8	12.0	14.2	19.1	20.7	15.5	23.0
22	21.3	20.4	18.8	18.6	17.0	18.6	21.3	21.9	19.4	16.1	14.9	18.5	18.7	20.2	19.3	19.4	19.1	16.2	18.4	25.4	14.4	15.0	16.3	19.0	18.7	25.4
23	18.9	20.1	20.3	19.6	21.4	22.8	32.8	30.9	19.4	15.4	14.2	15.0	15.1	11.8	10.9	10.8	11.9	11.4	12.1	16.1	27.2	48.4	63.5	65.7	23.2	65.7
24	42.7	33.2	34.6	31.8	31.9	33.9	34.5	43.2	41.5	28.7	13.9	8.3	5.7	4.3	5.9	6.1	5.7	5.0	5.0	28.7	48.3	45.7	36.4	45.4	25.8	48.3
25	46.8	40.0	23.3	25.1	23.2	32.9	35.6	61.5	102.1	142.0	78.5	46.5	14.5	6.4	8.0	12.0	14.1	16.4	17.8	23.8	17.0	11.3	10.2	7.1	34.0	142.0
26	5.6	5.2	5.4	6.4	6.9	6.6	7.7	8.1	6.7	6.5	9.7	11.9	10.3	10.4	14.3	11.2	9.7	8.6	8.6	9.8	8.6	7.1	6.6	6.1	8.3	14.3
27	6.2	6.2	6.1	5.9	6.0	6.1	5.6	5.5	5.8	6.0	6.1	6.5	6.8	6.8	7.1	6.8	7.2	8.1	8.9	9.4	11.0	11.7	12.2	13.6	7.6	13.6
28	14.4	14.8	13.6	12.7	12.9	12.8	11.8	11.5	11.8	11.1	10.4	9.4	8.7	11.3	11.2	10.1	8.9	9.5	11.3	17.2	19.1	22.7	22.3	21.4	13.4	22.7
29	22.3	21.6	21.6	22.4	21.5	23.1	31.0	32.0	28.0	24.9	21.5	19.3	16.0	16.2	15.8	15.5	13.1	13.4	12.1	13.1	9.9	8.9	8.7	8.3	18.3	32.0
30	8.4	8.1	8.8	8.9	10.3	11.5	13.7	12.8	12.6	8.3	5.1	4.2	4.0	3.2	2.6	3.0	2.7	2.6	2.9	2.9	2.5	2.7	2.6	2.0	6.1	13.7
31	1.6	1.6	2.6	2.1	2.2	2.8	4.5	2.3	2.4	2.7	2.5	3.3	4.3	5.0	5.2	4.0	3.4	3.4	3.8	3.1	2.8	2.8	3.2	5.6	3.2	5.6
NO.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	465	63%
MEAN	18.0	15.9	14.3	13.8	13.7	14.5	16.6	18.5	19.3	19.3	14.3	12.3	10.2	10.5	10.5	11.0	10.7	12.2	11.4	13.1	14.6	15.8	17.1	18.3		
MAX	46.8	40.0	34.6	31.8	31.9	33.9	35.6	61.5	102.1	142.0	78.5	46.5	18.7	20.2	19.4	19.4	20.9	23.9	19.7	28.7	48.3	48.4	63.5	65.7		



Number of Non-Zero Readings	465		
Maximum 1-HR Average	142.0 UG/M3		
Maximum 24-HR Average	34.0 UG/M3		
IZS Calibration Time		OperatioEl Time	465 HRS
Down Time	0	OperatioEl Uptime	62.5 %
Standard Deviation	11.9	Monthly Average	14.4 UG/M3

West TSP (μg/m^3) – July 2024

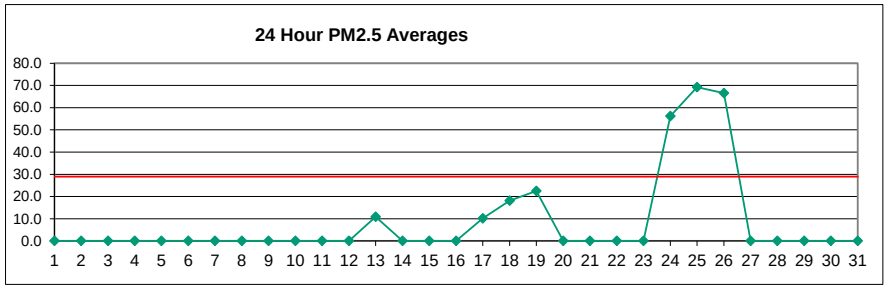
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
4	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
5	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
6	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
7	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
8	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
9	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
10	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
11	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
12	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	20.9	24.3	27.7	22.6	11.9	11.8	10.4	24.6	23.0	-	-
13	20.4	18.7	16.1	7.9	7.3	6.2	6.2	7.2	6.1	5.7	5.7	2.0	3.1	4.0	2.3	2.2	6.4	24.1	16.3	14.6	16.9	18.0	15.2	20.1	10.5	24.1
14	16.2	11.7	10.8	10.8	12.6	9.2	8.5	7.3	8.1	11.7	17.5	15.6	13.2	14.2	11.6	11.3	12.9	13.0	11.4	9.5	9.6	8.7	9.0	10.1	11.4	17.5
15	12.2	9.6	9.9	10.7	10.2	10.7	12.3	12.8	12.1	11.8	7.9	4.2	2.9	2.4	5.4	20.3	16.3	13.9	14.8	14.3	14.8	12.1	10.4	10.2	10.9	20.3
16	13.5	9.7	9.9	11.3	11.2	9.8	10.7	12.7	11.3	9.3	10.5	19.4	14.0	21.0	22.3	22.4	14.9	19.1	10.7	10.6	14.5	12.4	9.5	9.3	13.3	22.4
17	8.3	9.6	9.5	9.9	10.1	9.9	11.7	13.5	13.5	9.3	8.2	8.9	6.3	12.3	18.6	13.3	10.3	18.3	12.9	10.9	10.1	10.9	11.0	12.5	11.2	18.6
18	13.4	12.1	10.1	9.1	9.2	11.4	14.1	15.7	15.0	13.2	11.7	8.7	9.3	9.4	8.1	7.2	11.1	12.7	9.8	10.3	17.8	20.4	21.3	27.2	12.8	27.2
19	25.3	18.4	16.6	16.0	14.7	15.9	19.6	18.1	19.5	17.0	13.3	12.0	16.7	16.8	11.2	7.8	5.4	8.9	10.6	10.9	17.8	23.4	29.5	27.9	16.4	29.5
20	27.1	20.0	19.2	17.3	16.3	16.0	15.8	16.2	15.1	13.5	11.5	9.5	15.5	18.5	16.7	13.6	12.7	14.5	13.5	12.6	12.7	15.8	19.7	20.0	16.0	27.1
21	22.9	24.7	17.4	16.8	16.7	16.1	17.3	18.6	16.2	13.5	12.6	14.8	13.3	13.4	13.7	15.4	16.0	13.3	14.0	13.4	12.0	14.2	21.3	24.0	16.3	24.7
22	24.5	20.4	18.8	18.6	17.0	18.6	21.3	21.9	19.4	16.1	14.9	18.5	19.6	22.9	21.3	21.1	19.1	16.2	18.4	25.4	14.4	15.0	16.3	19.0	19.1	25.4
23	18.9	20.1	20.3	19.6	21.4	22.8	32.8	30.9	19.4	15.4	14.2	15.0	15.1	11.8	10.9	10.8	11.9	11.4	12.1	16.1	27.2	48.4	63.5	65.7	23.2	65.7
24	42.7	33.2	34.6	31.8	31.9	33.9	34.5	43.2	41.5	28.7	13.9	8.3	5.7	4.3	5.9	6.1	5.7	5.0	5.0	28.7	48.3	45.7	36.4	45.4	25.8	48.3
25	46.8	40.0	23.3	25.1	23.2	32.9	35.6	61.5	102.1	142.0	78.5	46.5	14.5	6.4	8.0	12.0	14.1	16.4	17.8	23.8	17.0	11.3	10.2	7.1	34.0	142.0
26	5.6	5.2	5.4	6.4	6.9	6.6	7.7	8.1	6.7	6.5	9.7	11.9	10.3	10.4	14.3	11.2	9.7	8.6	8.6	9.8	8.6	7.1	6.6	6.1	8.3	14.3
27	6.2	6.2	6.1	5.9	6.0	6.1	5.6	5.5	5.8	6.0	6.1	6.5	6.8	6.8	7.1	6.8	7.2	8.1	8.9	9.4	11.0	11.7	12.2	13.6	7.6	13.6
28	14.4	14.8	13.6	12.7	12.9	12.8	11.8	11.5	11.8	11.1	10.4	9.4	8.7	11.3	11.2	10.1	8.9	9.5	11.3	17.2	19.1	22.7	22.3	21.4	13.4	22.7
29	22.3	21.6	21.6	22.4	21.5	23.1	31.0	32.0	28.0	24.9	21.5	19.3	16.0	16.2	15.8	15.5	13.1	13.4	12.1	13.1	9.9	8.9	8.7	8.3	18.3	32.0
30	8.4	8.1	8.8	8.9	10.3	11.5	13.7	12.8	12.6	8.3	5.1	4.2	4.0	3.2	2.6	3.0	2.7	2.6	2.9	2.9	2.5	2.7	2.6	2.0	6.1	13.7
31	1.6	1.6	2.6	2.1	2.2	2.8	4.5	2.3	2.4	2.7	2.5	3.3	4.3	5.0	5.2	4.0	3.4	3.4	3.8	3.1	2.8	2.8	3.2	5.6	3.2	5.6
NO.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	465	63%
MEAN	18.4	16.1	14.5	13.8	13.8	14.5	16.6	18.5	19.3	19.3	14.5	12.5	10.5	11.1	11.2	11.8	11.3	13.0	11.9	13.4	14.9	16.1	17.7	18.9		
MAX	46.8	40.0	34.6	31.8	31.9	33.9	35.6	61.5	102.1	142.0	78.5	46.5	19.6	22.9	22.3	22.4	24.3	27.7	22.6	28.7	48.3	48.4	63.5	65.7		



Number of 24HR Exceedences	0	Proposed Guideline	
Number of Non-Zero Readings	465		
Maximum 1-HR Average	142.0	UG/M3	
Maximum 24-HR Average	34.0	UG/M3	
IZS Calibration Time		Operational Time	465 HRS
Down Time	0	Operational Uptime	62.5 %
Standard Deviation	12.01	Monthly Average	14.7 UG/M3

Berm $PM_{2.5}$ (µg/m^3) – July 2024

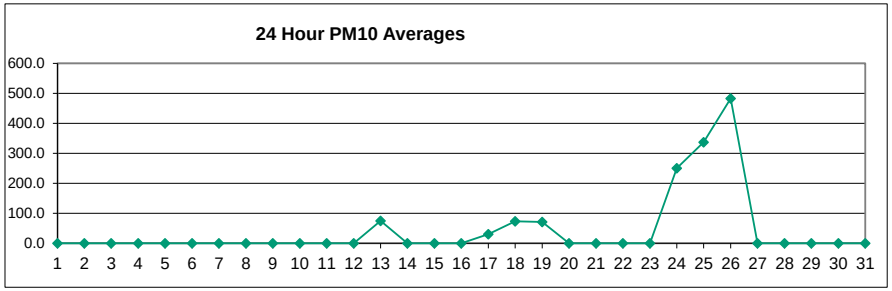
DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
4	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
5	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
6	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
7	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
8	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
9	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
10	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
11	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
12	G	G	G	G	G	G	G	G	G	G	G	G	G	G	6.8	6.8	6.5	5.6	6.4	6.6	6.8	6.7	7.8	6.4	-	-
13	5.6	5.5	7.2	8.6	15.0	6.5	6.7	7.2	7.4	5.1	4.2	15.6	29.4	33.8	18.7	22.1	11.9	5.8	7.9	7.8	6.5	7.4	8.5	7.0	10.9	33.8
14	7.1	7.3	7.1	8.6	6.7	5.0	9.3	9.4	8.9	8.4	7.5	6.4	X	X	X	X	X	X	X	X	X	X	X	X	-	-
15	11.0	10.7	17.1	18.9	19.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
16	X	X	X	X	X	X	X	X	X	X	X	7.5	5.6	6.4	6.7	6.8	6.0	5.9	6.3	6.5	7.5	7.8	7.7	7.6	-	-
17	8.0	10.7	11.5	11.7	12.1	12.6	12.4	17.8	20.5	18.2	12.5	11.8	5.2	6.4	5.9	4.9	5.4	5.7	6.0	7.0	9.1	9.0	9.6	10.7	10.2	20.5
18	10.3	8.2	10.3	11.1	10.5	13.0	18.4	27.5	22.4	16.4	21.2	19.9	15.2	29.1	27.6	25.9	20.2	10.1	30.1	16.7	16.9	16.6	15.9	21.3	18.1	30.1
19	22.4	23.8	24.4	26.0	24.0	23.8	30.3	28.8	28.6	31.2	24.0	26.1	18.8	13.6	8.7	46.2	9.4	12.5	11.4	10.4	12.1	21.2	28.1	35.2	22.5	46.2
20	32.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
24	X	X	57.0	51.4	46.4	54.5	66.4	109.3	112.4	104.0	36.3	34.5	43.8	23.0	48.7	49.5	18.8	55.9	47.0	89.1	61.7	54.5	38.7	33.8	56.2	112.4
25	29.4	28.0	26.4	25.3	27.4	31.3	33.9	64.5	98.9	110.3	68.6	49.7	39.6	39.1	45.1	71.3	56.7	88.7	97.9	183.2	79.9	124.3	126.8	114.6	69.2	183.2
26	62.0	135.6	49.4	41.4	22.2	23.0	28.7	47.0	29.6	64.9	90.5	119.4	46.7	127.9	192.6	121.7	48.4	93.9	52.3	57.1	33.1	38.8	43.1	29.2	66.6	192.6
27	11.5	10.3	10.6	12.2	10.9	17.7	33.3	45.5	39.7	27.4	29.3	40.8	23.4	52.5	X	X	X	X	X	X	X	X	X	X	-	-
28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	17.8	15.8	-	-
30	15.7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	25.3	X	X	27.1	22.5	19.1	44.9	20.0	-	-
31	9.1	7.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19.7	5.4	-	-
NO.	12	10	10	10	10	9	9	9	9	9	9	10	9	10	9	9	10	9	9	10	10	10	12	12	234	31%
MEAN	18.7	24.7	22.1	21.5	19.5	20.8	26.6	39.7	40.9	42.9	32.7	33.2	25.3	30.5	40.1	39.5	20.8	31.6	29.5	41.2	25.6	30.5	30.7	25.6		
MAX	62.0	135.6	57.0	51.4	46.4	54.5	66.4	109.3	112.4	110.3	90.5	119.4	46.7	124.3	192.6	121.7	56.7	93.9	97.9	183.2	79.9	124.3	126.8	114.6		



Number of 24HR Exceedences	3	XroXosed Guideline	
Number of Non-Zero Readings	234		
Maximum 1-HR Average	192.6	UG/M3	
Maximum 24-HR Average	69.2	UG/M3	
		OXerational Time	234 HRS
Monthly Calibration	0	OXerational UXtime	31.5 %
Standard Deviation	31.8	Monthly Average	29.7 UG/M3

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

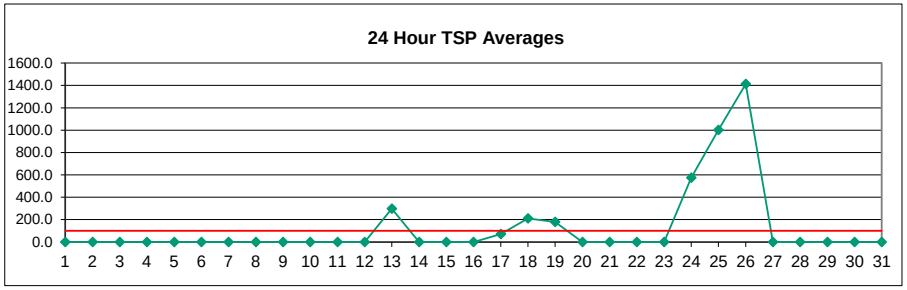
DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
4	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
5	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
6	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
7	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
8	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
9	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
10	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
11	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
12	G	G	G	G	G	G	G	G	G	G	G	G	G	G	42.0	36.0	37.2	32.0	36.1	35.7	28.0	24.0	29.8	19.1	-	-
13	13.6	12.2	13.8	20.7	51.1	15.6	19.7	27.2	34.5	21.6	17.8	154.7	338.3	359.7	194.4	232.3	86.8	31.5	35.5	28.4	22.7	27.1	28.5	19.4	75.3	359.7
14	20.0	17.2	16.4	22.4	17.7	13.0	30.4	26.7	27.5	26.4	28.4	16.9	X	X	X	X	X	X	X	X	X	X	X	X	-	-
15	11.0	10.7	17.3	19.4	20.6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
16	X	X	X	X	X	X	X	X	X	X	X	30.3	23.3	27.3	29.0	26.6	17.8	17.4	18.3	17.1	18.9	15.0	12.4	9.4	-	-
17	12.4	19.5	21.2	21.8	22.4	23.9	20.1	65.2	99.3	88.6	59.4	64.4	16.9	26.4	22.0	10.7	12.1	14.0	13.9	14.0	27.8	16.5	18.2	24.2	30.6	99.3
18	20.2	12.6	23.8	21.3	15.1	26.7	81.3	134.4	101.3	60.5	129.0	110.1	51.2	137.8	167.1	201.3	119.3	16.0	180.7	44.3	36.6	19.6	15.9	32.7	73.3	201.3
19	34.7	33.6	32.7	40.6	35.5	32.0	74.1	76.5	85.8	129.0	116.4	174.1	72.3	38.3	20.9	415.1	43.1	70.1	37.1	17.4	21.5	48.6	29.3	41.0	71.6	415.1
20	32.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
24	X	X	83.9	66.4	46.4	84.7	180.9	474.1	472.2	439.8	234.4	228.3	320.1	162.1	435.5	425.4	115.3	403.1	386.1	590.4	151.2	121.0	51.6	33.8	250.3	590.4
25	29.4	28.0	26.4	25.3	27.4	31.3	33.9	64.5	98.9	122.9	75.4	61.2	210.9	231.2	309.5	543.8	321.4	701.1	565.3	1351.2	426.1	837.4	1023.6	948.2	337.3	1351.2
26	458.8	909.5	303.4	239.5	89.0	103.8	185.2	394.0	201.8	576.1	867.3	855.0	321.0	958.6	1527.6	905.2	332.8	627.8	364.0	439.2	186.6	240.7	297.8	204.8	482.9	1527.6
27	23.6	12.8	13.9	31.8	17.0	70.8	220.6	258.9	213.5	139.6	171.1	322.9	113.2	381.8	X	X	X	X	X	X	X	X	X	X	-	-
28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	46.9	25.5	-	-
30	28.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	180.0	X	X	226.0	169.3	159.7	355.9	134.7	-	-
31	49.8	28.9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	129.1	15.8	-	-
NO.	12	10	10	10	10	9	9	9	9	9	9	10	9	9	9	9	10	9	9	10	10	10	12	12	234	31%
MEAN	61.2	108.5	55.3	50.9	34.2	44.6	94.0	169.1	148.3	178.3	188.8	201.8	163.0	258.1	305.3	310.7	126.6	212.5	181.9	276.4	108.9	151.0	169.9	125.7		
MAX	458.8	909.5	303.4	239.5	89.0	103.8	220.6	474.1	472.2	576.1	867.3	855.0	338.3	958.6	1527.6	905.2	332.8	701.1	565.3	1351.2	426.1	837.4	1023.6	948.2		



Number of Non-Zero Readings	234		
Maximum 1-HR Average	1527.6 UG/M3		
Maximum 24-HR Average	482.9 UG/M3		
		Operational Time	234 HRS
Monthly Calibration	0	Operational Uptime	31.5 %
Standard Deviation	235	Monthly Average	152.6 UG/M3

Berm TSP (µg/m^3) – July 2024

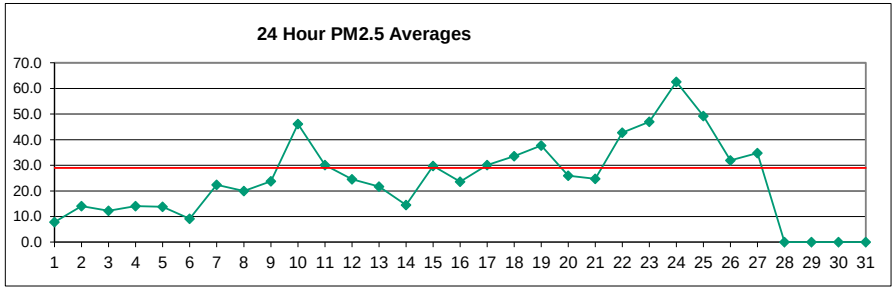
DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
4	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
5	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
6	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
7	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
8	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
9	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
10	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
11	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	-
12	G	G	G	G	G	G	G	G	G	G	G	G	G	G	494.3	378.6	351.6	196.8	303.4	245.9	147.3	74.6	97.8	68.5	-	-
13	44.3	23.5	29.8	61.8	210.1	67.9	84.2	169.7	179.8	93.3	44.2	684.6	1424.5	1854.6	770.9	704.3	289.0	75.3	98.9	58.6	39.8	65.1	54.7	30.7	298.3	1854.6
14	33.2	20.7	19.5	36.6	37.4	19.7	62.8	53.2	57.4	42.7	78.5	34.2	X	X	X	X	X	X	X	X	X	X	X	X	-	-
15	11.0	10.7	17.3	19.4	20.6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
16	X	X	X	X	X	X	X	X	X	X	X	60.7	62.1	68.3	98.8	70.4	48.9	35.9	34.0	28.4	33.0	17.1	12.4	9.4	-	-
17	14.9	41.5	46.3	48.4	48.0	69.7	35.3	189.3	274.8	211.1	131.4	122.7	26.4	62.0	56.3	24.8	26.2	21.9	25.0	30.6	57.9	28.4	37.4	38.1	69.5	274.8
18	32.1	19.2	78.7	53.3	26.8	54.1	348.3	441.6	359.5	166.5	462.3	296.5	101.0	273.5	440.5	690.1	349.4	30.2	591.6	110.9	60.7	21.5	15.9	50.9	211.5	690.1
19	52.3	48.1	33.4	51.0	58.5	43.4	304.1	249.8	236.6	373.5	356.4	571.6	108.1	58.9	37.4	1096.7	121.2	194.2	120.7	26.1	22.0	77.0	29.3	45.0	179.8	1096.7
20	32.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
24	X	X	98.2	68.6	46.4	147.2	358.3	767.6	672.5	698.7	470.2	576.8	850.2	428.2	1323.7	1316.0	304.7	975.5	1023.0	1593.0	417.1	371.4	97.9	33.8	574.5	1593.0
25	29.4	28.0	26.4	25.3	27.4	31.3	33.9	64.5	98.9	132.4	80.0	79.7	1109.6	697.8	1136.3	1944.4	1174.2	2633.7	1629.4	3326.9	1230.2	2412.3	3105.3	2976.7	1001.4	3326.9
26	1372.0	2084.4	819.2	710.6	230.9	335.9	697.0	1386.2	625.9	1957.3	3269.0	2209.9	1020.6	2333.8	3794.2	2625.0	1133.4	1840.0	1154.0	1512.9	588.5	705.5	862.3	652.9	1413.4	3794.2
27	43.3	15.9	14.2	93.8	23.7	193.9	664.6	636.4	473.9	396.7	488.9	965.4	269.7	949.6	X	X	X	X	X	X	X	X	X	X	-	-
28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	155.6	54.9	-	-
30	90.4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	553.7	X	X	877.5	601.9	651.2	1424.7	483.4	-	-
31	173.1	72.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	277.5	28.3	-	-
NO.	12	10	10	10	10	9	9	9	9	9	9	10	9	9	9	9	10	9	9	10	10	10	12	12	234	31%
MEAN	160.7	236.4	118.3	116.9	73.0	107.0	287.6	439.8	331.0	452.5	597.9	560.2	552.5	747.4	905.8	983.4	435.2	667.1	553.3	781.1	319.8	442.4	514.2	372.7		
MAX	1372.0	2084.4	819.2	710.6	230.9	335.9	697.0	1386.2	672.5	1957.3	3269.0	2209.9	1424.5	2333.8	3794.2	2625.0	1174.2	2633.7	1629.4	3326.9	1230.2	2412.3	3105.3	2976.7		



Number of 24HR Exceedences	6 Proposed Guideline		
Number of Non-Zero Readings	234		
Maximum 1-HR Average	3794.2 UG/M3		
Maximum 24-HR Average	1413.4 UG/M3		
IZS Calibration Time		Operational Time	234 HRS
Monthly Calibration	0	Operational Uptime	31.5 %
Standard Deviation	683.8	Monthly Average	440.3 UG/M3

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

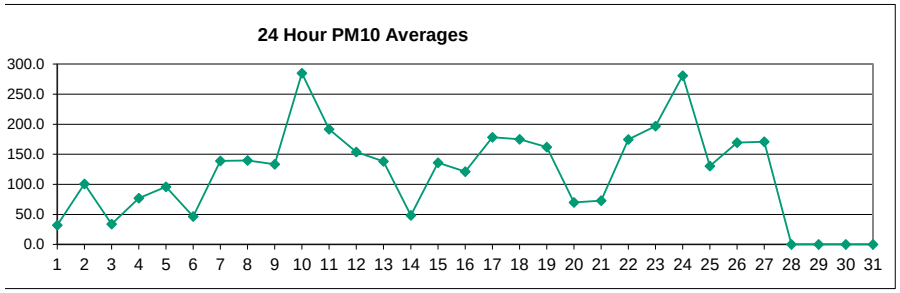
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	5.1	14.9	15.7	7.1	15.8	21.0	4.4	9.0	20.3	14.8	2.4	4.2	4.6	2.8	2.4	4.5	4.2	1.8	11.6	4.6	1.9	2.4	4.5	8.5	7.9	21.0
2	19.4	3.8	6.8	9.1	26.3	33.9	30.5	23.7	19.0	14.6	16.6	18.0	22.8	14.5	11.5	14.0	5.5	9.1	5.6	2.6	9.4	4.9	3.3	12.7	14.1	33.9
3	5.0	7.2	14.1	19.5	23.3	19.4	18.3	14.9	19.0	17.3	18.0	19.5	19.8	6.6	11.4	11.2	13.6	7.1	6.4	5.2	6.6	5.2	3.9	2.5	12.3	23.3
4	4.9	3.0	3.2	8.7	14.0	13.6	17.7	42.4	22.3	23.0	16.3	16.1	16.1	29.2	20.6	14.8	9.4	7.8	8.5	6.1	4.1	13.5	5.6	15.9	14.0	42.4
5	4.0	11.6	8.7	15.5	10.8	27.3	29.0	38.2	20.0	17.8	29.7	10.2	8.2	14.1	11.0	10.6	10.2	5.6	6.7	5.1	5.7	7.3	8.2	16.7	13.8	38.2
6	6.8	5.6	7.3	4.6	3.4	21.4	36.1	19.7	3.6	5.2	10.5	6.2	5.5	17.7	6.5	8.3	9.3	2.9	3.0	9.9	10.7	4.3	6.2	3.7	9.1	36.1
7	7.4	22.8	30.4	43.9	55.6	42.9	44.2	32.3	37.5	25.1	16.7	13.6	6.9	16.8	9.4	18.1	13.5	14.3	6.8	7.9	9.1	13.9	20.0	28.3	22.4	55.6
8	10.0	40.4	29.6	24.5	22.0	28.5	33.9	42.0	36.4	31.3	22.8	13.1	19.4	12.3	7.5	11.8	10.5	13.6	8.8	9.6	11.7	17.3	13.6	8.6	20.0	42.0
9	11.8	26.7	22.5	29.3	34.5	40.6	53.7	45.6	29.1	23.4	19.6	20.8	20.4	18.3	33.7	28.4	17.3	17.1	11.3	14.3	15.5	13.3	9.4	13.7	23.8	53.7
10	35.8	42.4	94.7	61.8	84.8	78.2	98.0	88.9	70.9	38.7	35.9	31.4	95.2	44.6	30.3	26.8	21.0	17.3	16.9	19.4	23.4	14.7	19.2	15.8	46.1	98.0
11	13.7	15.1	28.4	34.3	46.7	48.3	59.1	43.5	34.3	53.2	48.6	26.3	32.1	40.1	29.0	18.0	18.9	15.1	17.4	18.2	15.9	30.7	16.5	18.9	30.1	59.1
12	21.7	22.3	33.9	20.7	27.7	15.2	13.6	37.9	57.9	49.8	20.8	61.4	25.4	35.0	29.5	22.5	29.0	9.7	11.3	8.8	10.2	7.8	8.7	7.8	24.5	61.4
13	7.2	7.0	9.7	32.9	36.8	30.2	42.4	63.1	27.2	38.4	21.9	7.0	34.2	35.6	31.3	19.1	18.1	7.0	8.5	9.3	8.2	7.5	9.3	8.5	21.7	63.1
14	9.7	10.3	11.3	13.0	24.3	13.7	23.7	26.0	25.0	13.6	13.1	10.3	13.8	9.4	11.6	13.8	18.4	14.3	13.6	13.1	12.2	11.9	10.8	11.6	14.5	26.0
15	13.6	27.2	30.2	51.3	51.7	53.3	51.7	71.6	51.9	26.5	37.0	38.3	15.2	11.9	15.1	21.8	21.1	16.8	22.5	17.5	30.0	15.8	11.9	9.6	29.7	71.6
16	10.0	12.5	15.1	19.4	30.7	23.2	47.0	88.5	58.4	37.3	27.2	16.6	17.3	13.0	15.7	18.3	20.5	17.6	18.2	17.2	9.8	11.8	12.7	8.9	23.6	88.5
17	17.0	24.2	33.3	37.5	44.6	40.0	53.3	63.1	64.6	22.1	17.9	40.3	27.4	18.3	33.4	18.8	38.6	27.9	17.7	18.6	12.8	17.7	14.4	19.4	30.1	64.6
18	18.9	12.7	24.7	33.7	45.6	47.7	74.8	105.8	61.9	32.8	24.0	18.7	25.9	21.2	22.2	22.0	29.5	20.2	21.0	31.6	23.0	23.3	32.2	32.1	33.6	105.8
19	31.7	55.4	41.7	50.7	45.6	56.3	64.8	68.1	46.3	43.4	24.8	40.9	35.3	32.8	30.1	39.4	12.5	24.0	20.4	18.3	20.8	26.9	32.2	42.4	37.7	68.1
20	43.0	40.2	32.2	34.8	39.7	39.9	46.8	40.9	34.9	24.6	20.0	14.9	16.7	17.5	15.7	16.6	21.7	16.7	13.0	14.9	16.8	17.5	17.8	X	25.9	46.8
21	24.2	22.0	25.5	26.6	29.4	45.5	55.5	74.3	42.9	21.7	18.2	17.6	14.3	14.7	13.8	16.9	19.7	13.0	15.7	11.9	14.9	19.2	19.6	16.7	24.7	74.3
22	21.5	26.6	34.7	53.4	53.0	87.3	102.9	76.3	44.3	49.4	27.7	33.3	30.0	29.6	33.9	30.4	32.7	28.5	30.8	45.0	41.5	30.7	36.3	46.8	42.8	102.9
23	53.9	57.6	62.6	64.9	59.7	82.1	122.2	89.9	53.8	31.7	26.4	38.7	30.4	22.1	30.8	23.6	26.8	23.2	26.2	29.8	35.0	36.2	49.4	51.4	47.0	122.2
24	57.8	53.7	65.5	78.9	71.2	212.4	103.2	93.6	89.8	72.1	37.6	72.2	76.2	42.3	21.6	21.6	21.8	15.8	9.9	64.3	67.0	67.3	41.6	43.9	62.5	212.4
25	38.7	35.3	33.5	39.5	41.0	47.7	51.5	77.3	123.3	124.8	86.5	67.7	62.2	21.1	26.8	32.8	36.0	38.1	36.5	56.9	33.1	27.1	23.1	20.9	49.2	124.8
26	14.1	52.0	93.2	28.2	18.4	16.3	25.1	27.3	18.7	23.2	30.2	36.9	29.6	27.4	60.0	38.3	30.0	26.6	24.4	33.8	46.3	27.6	19.9	19.4	32.0	93.2
27	27.9	127.6	100.1	37.6	40.7	27.8	17.0	14.5	15.7	17.1	15.9	20.6	22.9	16.4	20.4	17.1	18.2	34.0	36.2	28.4	31.4	48.3	47.1	51.7	34.8	127.6
28	50.8	38.3	33.6	29.2	39.4	45.8	56.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
NO.	28	28	28	28	28	28	28	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	654	88%
MEAN	20.9	29.2	33.7	32.5	37.0	45.0	49.2	52.5	41.8	33.1	25.4	26.5	26.9	21.7	21.7	20.0	19.5	16.5	15.9	19.3	19.5	19.4	18.4	20.6		
MAX	57.8	127.6	100.1	78.9	84.8	212.4	122.2	105.8	123.3	124.8	86.5	72.2	95.2	44.6	60.0	39.4	38.6	38.1	36.5	64.3	67.0	67.3	49.4	51.7		



Number of 24HR Exceedences	12	Proposed Guideline	
Number of Non-Zero Readings	654		
Maximum 1-HR Average	212.4	UG/M3	
Maximum 24-HR Average	62.5	UG/M3	
		Operational Time	654 HRS
Monthly Calibration	0	Operational Uptime	87.9 %
Standard Deviation	22.06	Monthly Average	27.9 UG/M3

Entrance PM_{10} (µg/m^3) – July 2024

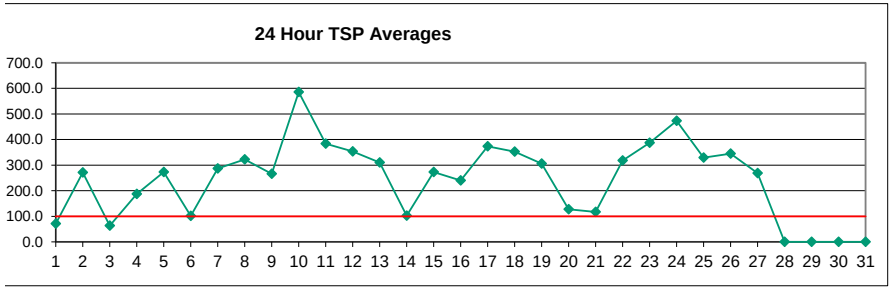
Day	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	24.5	72.9	75.2	26.6	82.8	104.9	21.1	12.3	30.4	22.1	2.4	18.3	25.3	16.2	12.5	18.1	26.5	12.3	54.3	24.1	7.2	9.1	22.4	48.3	32.1	104.9
2	112.7	15.9	32.4	57.4	189.1	246.8	216.2	167.3	170.3	121.5	140.9	143.0	209.8	127.6	96.9	111.1	41.9	51.6	42.9	8.1	51.8	36.2	5.3	19.0	100.7	246.8
3	7.4	10.6	21.2	29.2	34.9	29.1	27.5	22.4	28.5	34.9	27.0	29.2	123.1	24.8	42.7	72.9	104.2	35.4	34.5	19.5	38.2	10.1	4.6	2.5	33.9	123.1
4	6.6	3.0	3.2	12.7	21.0	20.5	26.6	75.2	163.5	162.5	99.1	129.6	110.7	209.9	186.2	128.5	80.2	54.9	63.7	31.1	15.5	97.9	29.3	118.3	77.1	209.9
5	10.9	61.9	43.3	116.1	58.9	174.1	220.8	299.4	117.9	130.4	226.9	74.6	58.0	122.8	102.9	89.4	81.0	38.1	42.6	33.1	30.2	37.1	37.0	95.7	96.0	299.4
6	36.4	16.6	43.2	6.8	4.8	65.0	196.0	106.0	16.3	27.1	71.1	51.6	34.5	121.1	40.7	54.2	74.2	11.2	9.9	51.1	33.3	10.4	24.9	7.5	46.4	196.0
7	23.1	120.3	184.7	277.6	324.6	254.9	252.5	193.4	217.4	144.2	101.3	88.6	40.5	131.7	65.2	143.0	120.9	97.2	41.2	52.2	51.0	81.5	124.9	203.3	139.0	324.6
8	62.5	318.8	216.3	158.6	138.0	177.3	235.8	312.9	293.3	227.2	173.6	102.0	141.6	85.8	53.4	93.6	79.1	129.2	48.8	50.6	67.0	98.6	68.8	17.0	139.6	318.8
9	41.9	118.6	85.2	141.1	179.5	232.2	317.0	239.9	133.3	127.7	107.1	133.5	139.0	154.7	266.8	220.2	126.0	83.1	67.4	79.1	78.6	57.6	21.1	49.5	133.3	317.0
10	150.0	209.5	435.3	287.6	490.5	431.0	631.5	628.7	480.6	243.2	217.3	232.1	861.4	350.5	207.8	156.5	137.4	87.1	109.0	119.1	124.3	80.9	112.3	52.9	284.9	861.4
11	33.0	48.7	180.2	206.3	283.4	313.5	393.1	207.6	193.4	412.4	444.4	172.4	281.2	341.3	231.3	138.3	148.9	90.2	88.3	77.2	49.2	161.6	48.4	55.5	191.7	444.4
12	48.7	83.4	179.7	96.4	156.2	89.3	79.3	259.2	360.0	385.3	180.1	438.5	184.7	250.9	210.2	195.8	201.8	55.7	62.7	46.6	41.5	28.7	33.8	26.5	154.0	438.5
13	22.1	15.1	15.2	105.0	234.9	179.2	272.2	370.9	166.9	264.4	166.9	55.7	347.7	334.5	256.9	138.2	135.3	38.8	35.3	36.0	31.0	25.5	37.1	30.8	138.1	370.9
14	28.6	26.5	20.2	19.6	36.8	37.5	122.2	138.8	126.8	60.7	73.2	46.4	62.8	28.6	38.9	46.4	75.8	32.9	24.9	23.0	21.8	24.6	19.7	22.0	48.3	138.8
15	18.8	40.8	45.3	76.9	77.5	79.9	241.8	465.1	263.1	107.1	222.3	316.6	123.3	94.0	123.9	159.3	127.0	85.8	145.5	97.5	208.1	72.7	40.3	28.6	135.9	465.1
16	28.5	47.5	35.8	29.0	46.0	34.8	235.5	520.4	354.3	243.8	196.8	112.1	129.7	88.0	94.3	137.1	128.6	107.6	102.0	108.0	33.1	39.6	38.1	14.3	121.0	520.4
17	55.5	86.8	140.3	191.0	238.1	196.4	331.2	480.3	416.4	108.2	78.7	267.5	238.7	135.3	251.1	132.8	309.9	155.9	100.6	115.4	48.6	78.9	50.6	76.1	178.5	480.3
18	81.9	33.2	117.3	177.5	231.6	290.1	503.8	642.0	348.8	188.9	127.0	83.9	106.2	101.0	114.8	125.7	249.5	83.1	82.2	158.4	83.7	61.7	128.8	82.4	175.1	642.0
19	69.5	205.2	106.1	148.2	124.9	210.3	298.2	327.5	175.7	187.7	79.4	220.0	186.4	222.7	242.6	393.0	60.0	157.0	118.9	71.5	95.5	84.0	44.1	58.2	161.9	393.0
20	47.7	60.0	105.3	80.2	140.6	115.9	144.3	103.1	87.4	43.8	42.3	29.2	42.3	55.4	48.2	65.8	126.3	75.1	33.0	45.0	45.1	40.9	28.8	X	69.8	144.3
21	59.0	40.0	48.0	41.7	49.5	147.5	184.1	281.6	161.3	42.3	40.5	66.3	48.2	48.4	36.6	74.4	97.0	40.8	49.8	23.6	46.7	51.9	50.3	20.2	72.9	281.6
22	37.9	64.8	111.6	210.2	199.3	403.0	506.6	370.7	176.4	224.3	103.9	161.8	137.7	135.1	178.3	137.6	151.9	98.6	118.0	199.2	186.8	66.5	54.5	159.7	174.8	506.6
23	175.9	200.5	220.6	236.4	194.7	425.4	671.9	665.3	409.1	155.0	95.5	159.7	119.2	94.3	166.4	94.3	108.9	62.9	80.1	54.1	96.1	61.9	93.1	83.5	196.9	671.9
24	95.3	79.7	150.8	269.6	189.5	1511.3	373.3	309.8	336.6	334.6	212.9	585.8	660.2	320.7	163.9	141.5	144.1	87.3	44.5	266.2	122.7	205.4	63.8	71.4	280.9	1511.3
25	38.7	35.3	33.5	42.2	44.2	56.8	70.0	92.2	161.9	190.9	156.1	163.2	473.9	92.2	140.3	176.0	155.9	191.6	110.1	297.4	74.1	115.5	98.0	118.7	130.4	473.9
26	60.1	476.9	903.8	132.4	52.4	40.3	101.2	112.6	75.1	112.8	150.2	156.8	125.1	109.7	322.4	196.2	126.9	121.7	84.4	158.7	209.3	124.2	57.6	58.3	169.5	903.8
27	136.1	927.4	749.2	220.9	227.4	128.8	56.9	46.1	50.9	58.1	40.2	77.5	77.5	45.1	74.5	50.1	57.1	165.8	147.0	77.9	82.9	182.6	207.7	214.8	170.9	927.4
28	205.8	139.4	104.3	77.4	146.4	200.3	375.4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
NO.	28	28	28	28	28	28	28	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	654	88%
MEAN	61.4	127.1	157.4	124.1	149.9	221.3	253.8	275.9	204.3	161.5	132.5	152.4	188.5	142.3	139.6	129.3	121.3	83.4	71.9	86.1	73.1	72.1	57.2	66.7		
MAX	205.8	927.4	903.8	287.6	490.5	1511.3	671.9	665.3	480.6	412.4	444.4	585.8	861.4	350.5	322.4	393.0	309.9	191.6	147.0	297.4	209.3	205.4	207.7	214.8		



Number of Non-Zero Readings	654		
Maximum 1-HR Average	1511.3 UG/M3		
Maximum 24-HR Average	284.9 UG/M3		
		Operational Time	654 HRS
Monthly Calibration	0	Operational Uptime	87.9 %
Standard Deviation	138.5	Monthly Average	135.9 UG/M3

Entrance TSP (μg/m^3) – July 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	68.7	165.8	167.0	68.9	201.8	218.4	40.5	12.3	31.9	23.0	2.4	34.1	73.3	58.0	29.5	51.5	67.6	62.7	71.2	64.8	25.7	16.8	44.8	103.5	71.0	218.4
2	259.5	38.6	64.2	135.9	372.6	484.0	469.9	390.2	532.1	412.5	448.8	466.1	509.0	469.2	348.3	411.8	145.7	126.7	207.6	16.6	79.2	95.4	6.4	24.0	271.4	532.1
3	8.2	12.0	25.1	36.7	44.7	37.1	35.1	28.3	36.3	49.4	34.6	37.1	267.6	43.6	74.5	168.2	253.1	97.3	92.0	32.5	102.4	11.7	4.6	2.5	63.9	267.6
4	6.6	3.0	3.2	13.9	25.7	25.4	33.4	110.4	475.3	390.2	214.2	340.7	249.0	540.5	575.9	364.4	217.8	187.6	182.6	89.5	41.6	187.3	76.5	140.8	187.3	575.9
5	18.3	124.0	112.7	411.4	161.3	498.8	722.9	931.2	306.7	373.6	623.3	206.0	150.6	340.8	310.6	265.3	242.6	126.3	127.5	107.3	91.1	81.6	56.6	160.4	272.9	931.2
6	158.6	42.4	127.3	7.6	4.8	125.5	357.0	194.7	46.8	51.8	175.7	122.1	69.2	230.4	125.4	163.1	227.0	23.6	14.0	86.8	37.4	11.8	38.9	8.2	102.1	357.0
7	39.6	227.7	441.9	618.9	691.8	572.4	537.3	452.0	384.9	258.8	166.0	138.0	85.2	227.6	130.8	335.1	327.3	217.7	91.5	108.9	92.0	151.7	206.5	375.7	286.6	691.8
8	195.3	863.1	613.7	402.8	365.5	396.2	578.2	692.9	671.1	414.4	380.7	208.4	284.6	175.5	122.4	185.1	181.0	387.1	117.3	105.2	114.5	168.4	96.1	21.7	322.5	863.1
9	77.4	225.1	164.1	258.0	373.3	474.7	718.4	467.1	240.2	239.4	196.5	264.3	326.2	336.5	532.4	406.9	257.6	174.7	150.5	181.0	129.9	88.3	26.0	82.4	266.3	718.4
10	202.6	300.3	633.7	560.6	1060.4	951.1	1458.0	1400.8	827.4	428.6	421.8	496.8	1769.9	1097.3	539.4	367.0	339.8	160.6	275.8	227.8	180.9	126.9	162.4	58.3	585.3	1769.9
11	58.4	74.1	295.7	363.2	601.1	708.3	875.2	452.9	390.3	652.9	756.5	361.4	613.7	796.4	546.2	341.7	343.5	243.5	169.6	142.1	82.3	219.2	59.9	69.3	384.1	875.2
12	65.1	105.8	198.0	187.6	290.6	263.4	224.2	761.8	622.9	1052.7	489.6	915.6	441.4	704.7	557.2	534.5	491.8	160.4	118.9	105.0	75.3	49.9	41.6	32.8	353.8	1052.7
13	26.1	15.1	16.8	185.6	690.0	346.6	574.1	701.9	304.3	478.6	326.9	146.5	942.0	938.8	611.0	317.9	370.5	94.9	92.9	74.3	55.3	41.1	54.9	38.8	310.2	942.0
14	41.4	26.5	22.6	22.2	45.9	43.7	271.1	313.4	214.7	138.2	222.1	102.1	140.5	65.7	97.4	115.8	259.1	79.4	44.6	53.5	31.2	47.9	37.1	29.7	102.7	313.4
15	20.5	48.2	53.3	96.9	96.8	102.7	600.9	1126.2	503.5	177.1	410.1	727.2	305.9	223.3	308.8	435.3	365.8	143.6	261.1	159.6	211.7	85.4	47.1	40.3	273.0	1126.2
16	38.8	59.6	43.8	31.5	57.1	42.4	466.3	901.9	625.4	567.7	425.3	262.7	333.2	240.8	249.2	392.7	284.8	206.5	204.6	172.0	44.9	53.3	44.6	15.7	240.2	901.9
17	79.9	130.3	269.7	435.3	520.3	410.1	716.6	1211.4	824.5	186.2	135.1	531.0	370.2	389.8	725.3	303.5	698.0	301.1	170.8	181.3	79.0	121.0	76.9	100.9	373.7	1211.4
18	108.6	43.4	231.7	342.9	440.1	736.7	1224.1	1025.9	640.5	436.0	380.0	143.8	173.0	197.4	250.0	303.2	718.7	160.8	137.4	257.7	117.4	74.1	180.1	147.7	353.0	1224.1
19	88.7	287.9	161.0	225.9	176.0	385.8	663.9	536.1	293.6	347.4	128.7	402.3	316.3	419.9	430.5	920.0	130.1	459.3	401.4	120.5	145.8	193.8	46.9	60.6	305.9	920.0
20	47.7	72.3	234.5	113.4	223.4	148.4	227.6	161.2	140.9	62.0	84.5	53.8	106.6	129.8	121.4	178.6	341.5	209.7	68.9	80.0	61.8	44.3	28.8	X	127.9	341.5
21	65.0	40.0	59.8	43.7	52.1	253.9	268.1	331.6	255.9	62.7	51.3	129.5	93.7	91.7	84.2	196.2	261.0	97.2	123.9	43.2	66.6	56.9	68.5	20.2	117.4	331.6
22	47.0	106.8	148.3	354.2	379.1	766.7	955.2	652.1	304.8	354.4	172.6	346.8	321.3	305.6	356.6	264.1	293.5	151.0	187.8	309.3	373.8	79.0	60.0	337.2	317.8	955.2
23	234.5	331.1	422.4	451.1	326.2	915.9	1103.5	1381.4	1253.6	417.9	200.5	291.6	240.4	231.7	387.8	196.0	214.3	92.4	130.8	61.2	141.1	79.0	102.5	93.1	387.5	1381.4
24	99.1	90.0	201.8	475.9	279.7	1793.3	590.7	559.9	604.0	571.0	399.0	948.8	1067.2	647.7	456.5	335.3	285.9	185.1	100.8	581.8	286.3	528.2	157.7	116.2	473.4	1793.3
25	38.7	35.3	33.5	42.2	44.2	56.8	70.0	92.2	209.3	410.0	298.9	332.5	1151.1	229.6	429.8	607.4	524.5	685.3	359.8	978.0	207.7	390.0	268.4	401.5	329.0	1151.1
26	181.6	596.9	1232.0	306.6	107.0	87.9	208.9	252.5	161.4	248.6	361.1	372.2	282.2	260.3	904.1	543.9	350.3	348.1	186.8	407.4	472.6	255.3	82.2	67.2	344.9	1232.0
27	186.5	1187.2	1320.3	452.4	374.9	210.7	83.7	82.1	101.8	109.6	61.4	128.7	103.5	56.0	116.8	67.1	105.8	287.5	244.3	117.7	105.8	252.2	337.1	364.6	269.1	1320.3
28	337.0	284.9	218.8	150.7	251.9	429.4	1000.8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-
NO.	28	28	28	28	28	28	28	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	654	88%
MEAN	100.0	197.8	268.5	242.7	294.9	410.2	538.4	563.9	407.6	330.2	280.3	315.2	399.5	349.9	349.0	324.9	307.4	202.6	160.5	180.2	127.9	130.0	89.4	112.0		
MAX	337.0	1187.2	1320.3	618.9	1060.4	1793.3	1458.0	1400.8	1253.6	1052.7	756.5	948.8	1769.9	1097.3	904.1	920.0	718.7	685.3	401.4	978.0	472.6	528.2	337.1	401.5		



Number of 24HR Exceedences	25	Proposed Guideline	
Number of Non-Zero Readings	654		
Maximum 1-HR Average	1793.3 UG/M3		
Maximum 24-HR Average	585.3 UG/M3		
		Operational Time	654 HRS
Monthly Calibration	0	Operational Uptime	87.9 %
Standard Deviation	273.1	Monthly Average	278.9 UG/M3