

AMRIZE CANADA INC.

AMBIENT AIR QUALITY MONTHLY REPORT

SEPTEMBER 2025

OCTOBER 29, 2025





AMBIENT AIR QUALITY MONTHLY REPORT

SEPTEMBER 2025

AMRIZE CANADA INC.

PROJECT NO.: CA0049359.3401
DATE: OCTOBER 29, 2025

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

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



October 29, 2025

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

Attention: Nikolaos Veriotes P. Eng.

Dear Mr. Veriotes,

Subject: Ambient Air Quality Monthly Report – September 2025

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 September 2025.

Lagoon	Data Completeness (%)	1-Hour Average	24-hour Average
		Exceedances of AAAQO or AAAQG	Exceedances of AAAQO
TSP	98.9%	-	6
PM _{2.5}	98.6%	4	3
PM ₁₀	99.3%	-	-
NO	99.9%	-	-
NO ₂	99.9%	0	-
NO _x	99.9%	-	-
SO ₂	99.9%	0	0
Temperature	99.9%	-	-
Wind Speed / Direction	99.9%	-	-
Pressure	99.9%	-	-
Relative Humidity	99.9%	-	-
Precipitation	99.9%	-	-

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

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

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 September 2025.

Windridge	Data Completeness (%)	1-Hour Average	24-hour Average	
		Exceedances of AAAQG	Exceedances of PM _{2.5} AAAQO	Exceedances of TSP AAAQO
TSP	99.4%	-	-	5
PM_{2.5}	99.4%	2	3	-
PM₁₀	99.4%	-	-	-

The GRIMM monitors are considered Industrial Ambient Monitors and are meant for assessing the performance of Amrize 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 September 2025.

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	0%	0	0	0
Berm	83.9%	0	0	3
Entrance	0%	0	0	0

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



Oct 29, 2025

Beatrice Boersig, B.A.Sc.
Environmental EIT
Vancouver Region, Environment

Date

APPROVED¹ BY *(must be reviewed for technical accuracy prior to approval)*



Oct 29, 2025

Tyler Abel, M.Sc.
Senior Air Quality Specialist
Vancouver Region, Environment

Date

WSP Canada Inc. (WSP) prepared this report solely for the use of the intended recipient, AMRIZE CANADA INC., in accordance with the professional services agreement. The intended recipient is solely responsible for the disclosure of any information contained in this report. The content and opinions contained in the present report are based on the observations and/or information available to WSP at the time of preparation. If a third party makes use of, relies on, or makes decisions in accordance with this report, said third party is solely responsible for such use, reliance or decisions. WSP does not accept responsibility for damages, if any, suffered by any third party as a result of decisions made or actions taken by said third party based on this report. This limitations statement is considered an integral part of this report.

The original of this digital file will be conserved by WSP for a period of not less than 10 years. As the digital file transmitted to the intended recipient is no longer under the control of WSP, its integrity cannot be assured. As such, WSP does not guarantee any modifications made to this digital file subsequent to its transmission to the intended recipient.

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



TABLE OF CONTENTS

1	INTRODUCTION	1
1.1	Exshaw Creek Flood Mitigation	1
1.2	Wildfire Impact on Bow Valley Airshed.....Error! Bookmark not defined.	
1.3	Air Quality Impact of Nearby Construction Activies – Lagoon Station	3
2	SEPTEMBER 2025 REPORT SUMMARY	4
2.1	Lagoon Station	4
2.2	Windridge Station.....	5
2.3	West Grimm	6
2.4	Berm Grimm	6
2.5	Entrance Grimm.....	7
3	LAGOON STATION	8
3.1	Operational Summary	8
3.2	Monitoring Results and Trends	9
4	WINDRIDGE STATION.....	23
4.1	Operational Summary	23
4.2	Monitoring Results and Trends	23
5	BERM INDUSTRIAL GRIMM	35
5.1	Operational Summary	35
5.2	Monitoring Results and Trends	35
	BIBLIOGRAPHY	43

TABLES

TABLE 2-1	LAGOON STATION DATA SUMMARY	4
TABLE 2-2	WINDRIDGE STATION DATA SUMMARY	5
TABLE 2-3	BERM STATION DATA SUMMARY	6
TABLE 3-1	INSTRUMENTATION LIST AT THE LAGOON STATION	8
TABLE 3-2	SUMMARY OF SEPTEMBER 2025 DATA AT LAGOON	11
TABLE 3-3	DAYS EXCEEDING THE TSP AAAQO OR PM _{2.5} AAAQO AT THE LAGOON STATION	12
TABLE 4-1	INSTRUMENTATION LIST AT THE WINDRIDGE MONITORING LOCATION	23
TABLE 4-2	SUMMARY OF SEPTEMBER 2025 DATA AT THE WINDRIDGE STATION	25
TABLE 4-3	DAYS EXCEEDING THE TSP AAAQO OR PM _{2.5} AAAQO AT THE WINDRIDGE STATION	26
TABLE 5-1	INSTRUMENTATION LIST AT THE BERM MONITORING LOCATION	35
TABLE 5-2	SUMMARY OF SEPTEMBER 2025 DATA AT THE BERM GRIMM	37
TABLE 5-3	DAYS EXCEEDING THE GUIDELINE FOR TSP OR PM _{2.5} AT THE BERM MONITOR	38

FIGURES

FIGURE 1-1	LOCATIONS OF AIR QUALITY MONITORS IN EXSHAW	1
FIGURE 1-2	PHOTO OF COMPLETED FLOOD MITIGATION WORK AT EXSHAW CREEK.....	2
FIGURE 3-1	INLETS ON THE TOP OF WSP'S LAGOON MONITOR	9
FIGURE 3-2	1-HOUR CONCENTRATIONS OF NO _x , SO ₂ , PARTICULATE MATTER, WIND DIRECTION AND WIND SPEED AT THE LAGOON STATION	13

FIGURE 3-3	HISTOGRAM OF HOURLY NO ₂ CONCENTRATIONS AT THE LAGOON STATION.....	14
FIGURE 3-4	HISTOGRAM OF HOURLY SO ₂ CONCENTRATIONS AT THE LAGOON STATION.....	14
FIGURE 3-5	HISTOGRAM OF HOURLY PM _{2.5} CONCENTRATIONS AT THE LAGOON STATION.....	15
FIGURE 3-6	HISTOGRAM OF HOURLY PM ₁₀ CONCENTRATIONS AT THE LAGOON STATION.....	15
FIGURE 3-7	HISTOGRAM OF HOURLY TSP CONCENTRATIONS AT THE LAGOON STATION.....	16
FIGURE 3-8	24-HOUR CONCENTRATIONS OF NO _x , SO ₂ , AND PARTICULATE MATTER AT THE LAGOON MONITOR	17
FIGURE 3-9	WIND ROSE FOR TSP EXCEEDANCE DAYS RECORDED AT THE LAGOON STATION	18
FIGURE 3-10	WIND ROSE FOR PM _{2.5} EXCEEDANCE DAYS RECORDED AT THE LAGOON STATION.....	19
FIGURE 3-11	LAGOON MONITOR PARTICULATE MATTER TIME VARIATION	20
FIGURE 3-12	LAGOON MONITOR SO ₂ TIME VARIATION	21
FIGURE 3-13	LAGOON MONITOR NO _x TIME VARIATION	22
FIGURE 4-1	1-HOUR PARTICULATE MATTER CONCENTRATIONS RECORDED AT THE WINDRIDGE MONITOR	27
FIGURE 4-2	HISTOGRAM OF HOURLY PM _{2.5} CONCENTRATIONS AT THE WINDRIDGE STATION	28
FIGURE 4-3	HISTOGRAM OF HOURLY PM ₁₀ CONCENTRATIONS AT THE WINDRIDGE STATION	28
FIGURE 4-4	HISTOGRAM OF HOURLY TSP CONCENTRATIONS AT THE WINDRIDGE STATION	29
FIGURE 4-5	24-HOUR PARTICULATE MATTER CONCENTRATIONS AT THE WINDRIDGE MONITOR.....	30

FIGURE 4-6	WIND ROSE FOR TSP EXCEEDANCE DAYS RECORDED AT THE WINDRIDGE STATION32
FIGURE 4-7	WIND ROSE FOR PM _{2.5} EXCEEDANCE DAYS RECORDED AT THE WINDRIDGE STATION33
FIGURE 4-8	WINDRIDGE PARTICULATE MATTER TIME VARIATION34
FIGURE 5-1	1-HOUR PARTICULATE MATTER CONCENTRATIONS AT THE BERM MONITOR39
FIGURE 5-2	24-HOUR PARTICULATE MATTER CONCENTRATIONS AT THE BERM MONITOR40
FIGURE 5-3	WINDROSE FOR TSP EXCEEDANCE DAYS RECORDED AT THE BERM GRIMM41
FIGURE 5-4	WINDROSE FOR PM _{2.5} EXCEEDANCE DAYS RECORDED AT THE BERM GRIMM ERROR! BOOKMARK NOT DEFINED.
FIGURE 5-5	BERM MONITOR PARTICULATE MATTER TIME VARIATION42

APPENDICES

A DATA & CALIBRATION REPORTS

1 INTRODUCTION

This report summarizes the ambient air quality and meteorological data collected at the Lagoon, Windridge, and GRIMM monitors in Exshaw, AB (Figure 1-1). The stations are operated by WSP on behalf of Amrize Canada Inc. (Amrize) and are a requirement of Amrize's Approval 1702-02-04. This report contains data collected between September 1, 2025, and September 30, 2025.

This monthly report was prepared by Beatrice Boersig, Environmental EIT with WSP, on behalf of Amrize and was reviewed by Tyler Abel, Senior Air Quality Specialist at WSP.

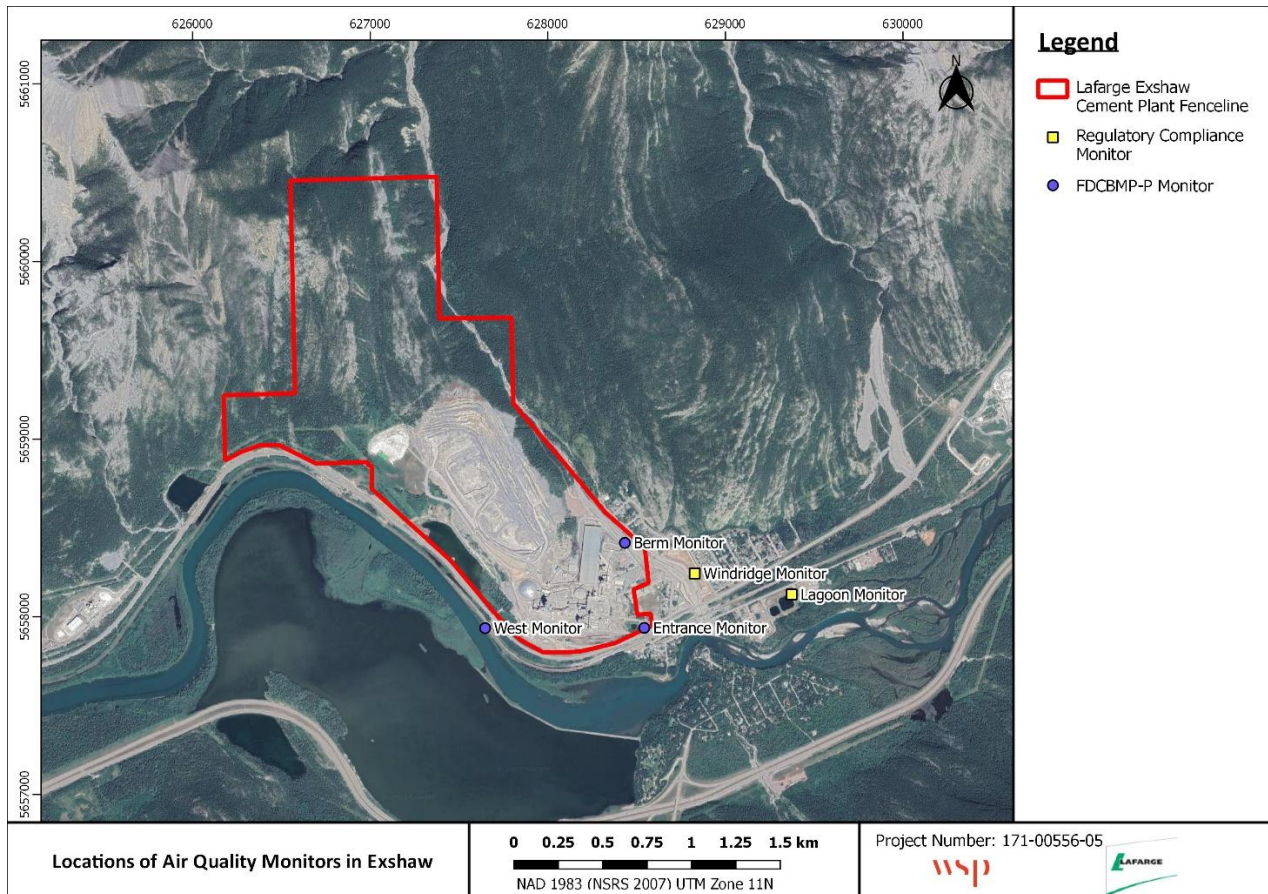


Figure 1-1 Locations of Air Quality Monitors in Exshaw

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 Amrize's eastern fenceline and the Windridge station.



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

1.2 WILDFIRE IMPACT ON BOW VALLEY AIRSHED

During the month of September regional wildfire activity, including smoke impacts from the prairies, had an impact on air quality in the Bow Valley airshed. Wildfires produce a large amount of suspended particulate matter which can affect air quality and result in AAAQO and AAAQG exceedances. Some of the TSP and PM_{2.5} exceedances during the month of September can be attributed to smoke from a regional wildfire, and not specific industrial operations from Amrize Exshaw.

1.3 AIR QUALITY IMPACT OF NEARBY CONSTRUCTION ACTIVITIES – LAGOON STATION



Figure 1-3 Photo of Residential Development (Left) and Construction of an Additional Lagoon Pond in East Exshaw (Right)

Between April and September residential development and the construction of an additional lagoon pond adjacent to the Lagoon station in East Exshaw, undertaken by the Municipal District of Bighorn, may have affected air quality at the station. Exceedances observed during periods of northeast and east-northeast wind direction could be attributed to increased dust generated by construction activities and grading work related to the installation of the new lagoon pond.

2 SEPTEMBER 2025 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} 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
NO₂ (ppb)	99.9	25.8	0	12.8	-
SO₂ (ppb)	99.9	26.0	0	7.1	0
PM_{2.5} (µg/m³)	98.6	104.7	4 ¹	51.7	3
PM₁₀ (µg/m³)	99.3	478.3	-	130.1	-
TSP (µg/m³)	98.9	838.5	-	227.7	6
Temperature (°C)	99.9	28.7	-	19.0	-
Wind Speed (km/hr) /Direction (Degrees)	99.9	38.0/W	-	27.4/WSW	-
Precipitation (mm)	99.9	1.75 ²	-	13.75 ³	-

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

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 exceedances of the 24-hour PM_{2.5} AAAQO due to wildfire smoke in the airshed.
- There were 4 exceedances of the 1-hour PM_{2.5} AAAQG due to wildfire smoke in the airshed.
- There were 6 days exceeding the 24-hour TSP AAAQO, partially due to increased dust levels from construction activities in East Exshaw.

Calibration/Maintenance Notes:

- At the Lagoon station, all meteorological analyzers recorded 99.9% uptime during the month of September due to 1 hour of power outage on September 3rd at 14:00.
- The SO₂ and NO₂ analyzers recorded 99.9% uptime during the month of September due to 1 hour of power outage on September 3rd at 14:00.
- The PM₁₀ analyzer recorded 99.3% uptime during the month of September due to 5 hours of power outage on September 2nd at 10:00, on September 3rd at 07:00 – 08:00, on September 3rd at 14:00 – 15:00 and on September 12th at 08:00.
- The TSP analyzer recorded 98.9% uptime during the month of September due to 6 hours of power outage on September 3rd at 07:00 – 08:00, on September 3rd at 13:00 – 15:00, and on September 12th at 08:00, as well as 2 hours of equipment malfunction on September 2nd at 10:00 and on September 8th at 01:00.
- The PM_{2.5} analyzer recorded 98.6% uptime during the month of September due to 5 hours of power outage on September 3rd at 07:00 – 08:00, on September 3rd at 14:00 – 15:00 and on September 12th at 08:00, as well as 5 hours of equipment malfunction on September 26th, 27th, 28th, 29th and 30th at 01:00.

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/m ³)	99.4	85.0	2*	46.3	3
PM ₁₀ (µg/m ³)	99.4	485.0	-	197.2	-
TSP (µg/m ³)	99.4	985.0	-	368.3	5

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

Data Quality Notes:

- There were 3 exceedances of the 24-hour PM_{2.5} AAAQO due to wildfire smoke in the airshed.
- There were 2 exceedances of the 1-hour PM_{2.5} AAAQG due to wildfire smoke in the airshed.
- There were 5 days exceeding the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- At the Windridge station, the PM_{2.5}, PM₁₀ and TSP analyzers recorded 99.4% uptime for the month of September due to 4 hours of equipment malfunction occurring on September 1st at 20:00, September 2nd at 22:00, September 13th at 23:00 and September 14th at 00:00.

2.3 WEST GRIMM

The GRIMM monitors are Industrial Ambient Monitors meant to aid Amrize 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.

Calibration/Maintenance Notes:

- The analyzer had 0% uptime for the month of September.

2.4 BERM GRIMM

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

Table 2-3 Berm station data summary

Parameter	Data Completeness (%)	1-Hour Average		24-hour Average	
		Maximum Concentration	Exceedances of Guidelines	Maximum Concentration	Exceedances of Guidelines
PM _{2.5} (µg/m ³)	84.0	53.5	0*	22.7	0
PM ₁₀ (µg/m ³)	84.0	302.4	-	66.8	-
TSP (µg/m ³)	83.9	895.7	-	191.9	3

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

Data Quality Notes:

- There were 0 exceedance of the 24-hour PM_{2.5} Guidelines.
- There were no exceedances of the 1-hour PM_{2.5} Guidelines.
- There were 3 exceedances of the 24-hour TSP Guidelines.

Calibration/Maintenance Notes:

- At the Berm station, the PM_{2.5} and PM₁₀ analyzers recorded 84.0% uptime for the month of September due to a total of 115 hours of equipment malfunction, 12 hours occurring on September at 11:00 – 22:00, and 103 hours occurring from September 26th at 17:00 until September 30th at 23:00.
- The TSP analyzer recorded 83.9% uptime for the month of September due to a total of 116 hours of equipment malfunction, 12 hours occurring on September at 11:00 – 22:00, and 104 hours occurring from September 26th at 16:00 until September 30th at 23:00.

2.5 ENTRANCE GRIMM

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

Calibration/Maintenance Notes:

- The analyzer had 0% uptime for the month of September.

3 LAGOON STATION

The Lagoon trailer contains NO_x, SO₂, TSP, PM₁₀, and PM_{2.5} analyzers as well as meteorological sensors, and is shown in Figure 3-1. An ambient air quality station has been at this location since 2002, providing a long-term data record for air quality in the Exshaw area.

This section provides a summary of the monitoring activities for the Lagoon ambient air quality station, including: a table of instrumentation (Table 3-1), a data summary table (Table 3-2), site visit notes, a wind rose (Figure 3-9) and tables and graphs illustrating the monitoring results for September 2025.

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 September 23 rd . The monitor had 98.6% uptime during the month of September due to 5 hours of power outage on September 3 rd at 07:00 – 08:00, on September 3 rd at 14:00-15:00 and on September 12 th at 08:00, as well as 5 hours of equipment malfunction on September 26 th , 27 th , 28 th , 29 th and 30 th at 01:00.
PM₁₀ Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The PM ₁₀ monitor was calibrated on September 23 rd . The monitor had 99.3% uptime during the month of September due to 5 hours of power outage on September 2 nd at 10:00, on September 3 rd at 07:00 – 08:00, on September 3 rd at 14:00-15:00 and on September 12 th at 08:00.
TSP Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The TSP monitor was calibrated on September 23 rd . The monitor had 98.9% uptime during the month of September due to 6 hours of power outage on September 3 rd at 07:00 – 08:00, on September 3 rd at 13:00-15:00, and on September 12 th at 08:00, as well as 2 hours of equipment malfunction on September 2 nd at 10:00 and on September 8 th at 01:00.
Oxides of Nitrogen	TEI 42C	The NO _x monitor was calibrated on September 11 th . The monitor had 99.9% uptime during the month of September due to 1 hour of power outage on September 3 rd at 14:00.

Sulphur Dioxide	Teledyne API 102A	The SO ₂ monitor was calibrated on September 11 th . The monitor had 99.9% uptime during the month of September due to 1 hour of power outage on September 3 rd at 14:00.
Precipitation	MetOne 130 Rain/Snow Gauge	The monitor had 99.9% uptime during the month of September due to 1 hour of power outage on September 3 rd at 14:00
Wind Speed	MetOne Wind Sensor	The monitor had 99.9% uptime during the month of September due to 1 hour of power outage on September 3 rd at 14:00
Wind Direction		
Ambient Temperature	MetOne Ambient Temperature Sensor	The monitor had 99.9% uptime during the month of September due to 1 hour of power outage on September 3 rd at 14:00

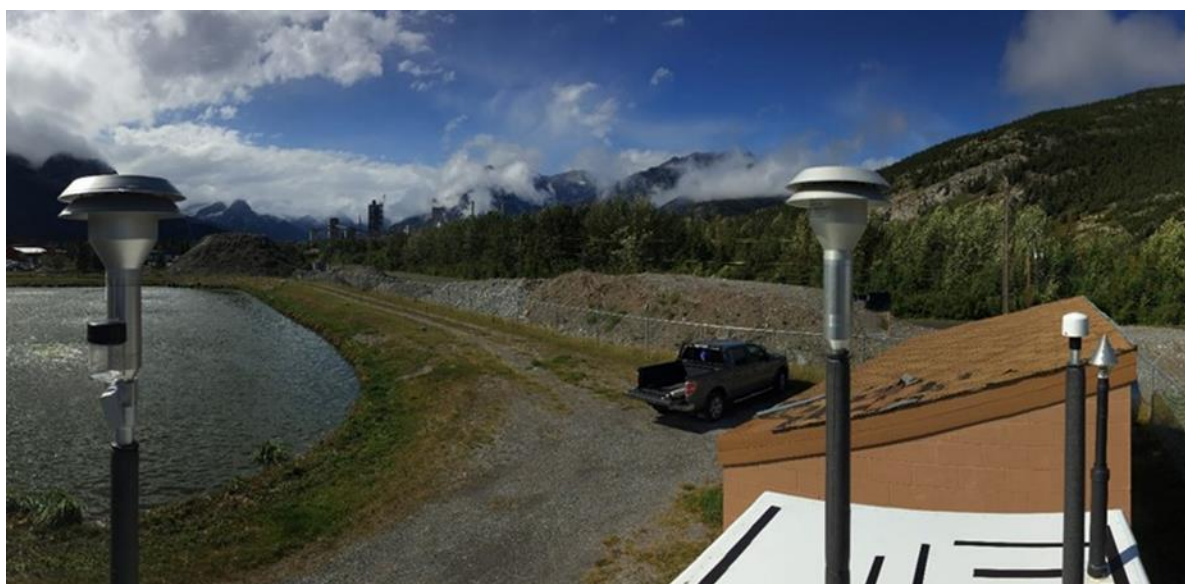


Figure 3-1 Inlets on the top of WSP's Lagoon monitor

3.2 MONITORING RESULTS AND TRENDS

Table 3-2 summarizes the hourly and daily concentrations recorded in September 2025. 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 September 2025 for the pollutants listed in Table 3-2. Additionally, Figure 3-3 to Figure 3-7 show the histograms of the hourly concentrations of NO₂, SO₂, PM_{2.5}, PM₁₀, and TSP measured at the Lagoon station.

There were 3 exceedances of the 24-hour PM_{2.5} AAAQO (29 µg/m³) and 4 exceedances of the 1-hour PM_{2.5} AAQG (80 µg/m³). Furthermore, there were 6 exceedances of the 24-hour TSP AAAQO (100 µg/m³). The PM_{2.5} exceedances are directly attributable to, and the TSP exceedances are partially attributable to, wildfire during the

beginning of the month. TSP exceedances may partially be attributable to increased dust development from construction activity in East Exshaw during the month.

Historically in September, the average number of 24-hour TSP AAAQO exceedances and 24-hour PM_{2.5} AAAQO exceedances are 1 and 1 respectively. Previously, the maximum number of 24-hour TSP and PM_{2.5} AAAQO exceedances recorded in September were 5 days in 2017.

At the Lagoon station strong wind gusting that typically occurs in the area contributes to increased particulate levels that may arise from multiple sources including the Amrize 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 September 2025 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/h r)	Wind Direction (degrees)	Maximum Concentration/ Meteorological Variable	Day	
NO ₂ (ppb)	159	-	Lagoon	0	-	0.7	8.1	25.8	1	23	7.6	66.1	12.8	3	99.9
SO ₂ (ppb)	172	48	Lagoon	0	0	0.0	2.7	26.0	16	14	5.5	237.6	7.1	26	99.9
PM _{2.5} (µg/m ³)	80	29	Lagoon	4	3	0.0	15.4	104.7	2	15	18.4	72.7	51.7	2	98.6
PM ₁₀ (µg/m ³)	-	-	Lagoon	-	-	3.2	52.1	478.3	2	11	3.3	103.2	130.1	2	99.3
TSP (µg/m ³)	-	100	Lagoon	-	6	7.6	79.6	838.5	12	16	6.3	356.4	227.7	26	98.9
Temperature (°C)	-	-	Lagoon	-	-	-0.4	15.5	28.7	1	16	10.9	56.6	19.0	1	99.9
Wind Speed (km/hr)/Direction (degrees)	-	-	Lagoon	-	-	0.0	12.0	38.0/W	27	18	38.0	232.9	27.4/WSW	27	99.9
Precipitation (mm)	-	-	Lagoon	-	-	0.0	0.0	1.8 ¹	7	24	9.0	244.0	13.8 ²		99.9

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 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 Amrize)
Lagoon						
2025-09-02	159.3	51.7	65.0	10.0	68.8	Regional wildfire activities
2025-09-03	152.1	40.3	250.2	8.7	64.4	Regional wildfire activities
2025-09-04	119.2	38.2	60.4	9.4	72.2	Regional wildfire activities
2025-09-05	109.3	-	70.1	8.7	68.0	
2025-09-12	132.9	-	259.7	10.8	52.2	
2025-09-26	227.7	-	251.5	19.0	37.7	
Total # of Exceedances	6	3				
Maximum # of Exceedances (September)	5 (2017)	5 (2017)				
Average # of Exceedances (September)	1	1				
Minimum # of Exceedances (September)	0 (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2018, 2019, 2020, 2023)	0 (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2019, 2021, 2024)				

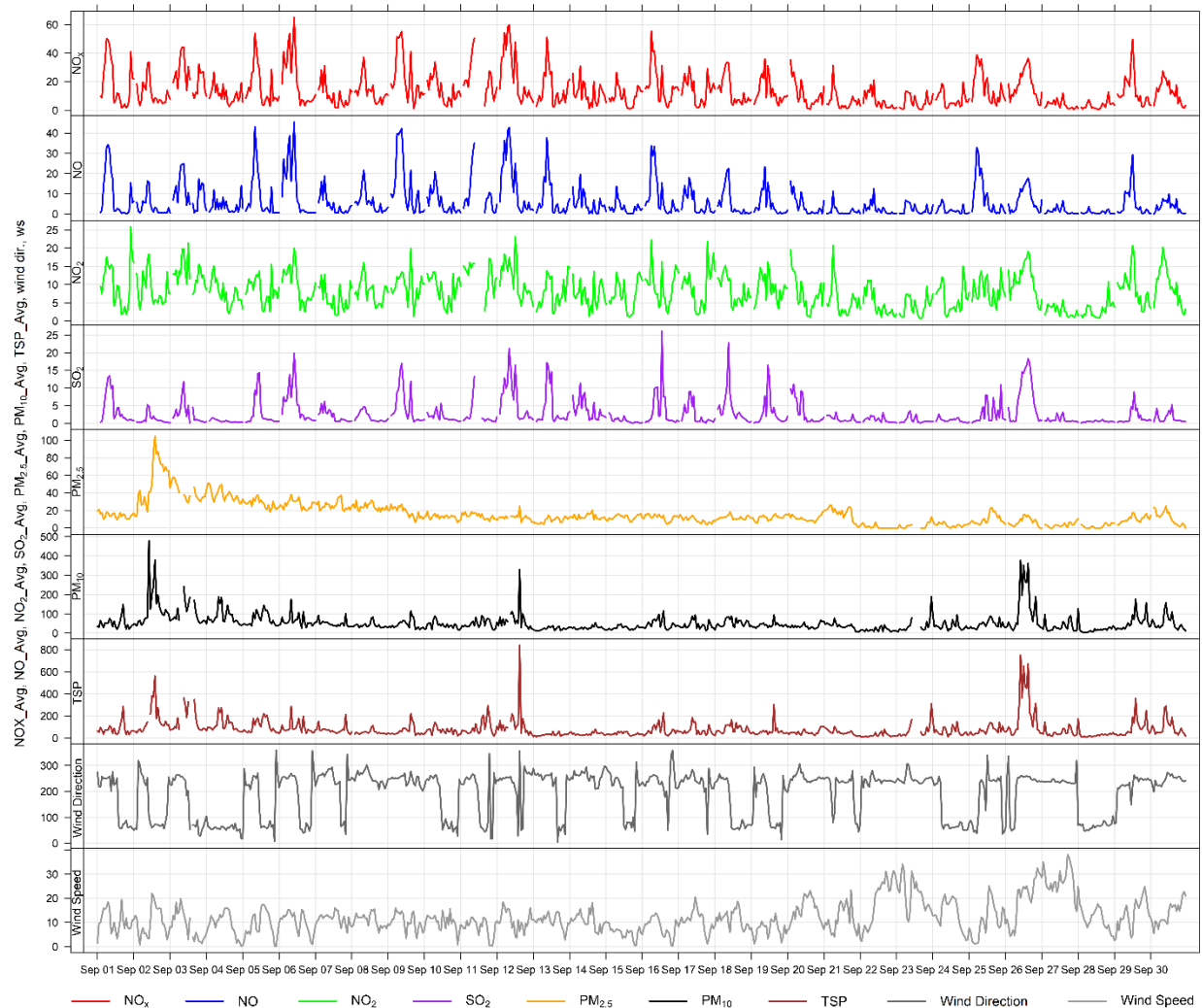


Figure 3-2 1-hour concentrations of NO_x, SO₂, particulate matter, wind direction and wind speed at the Lagoon station

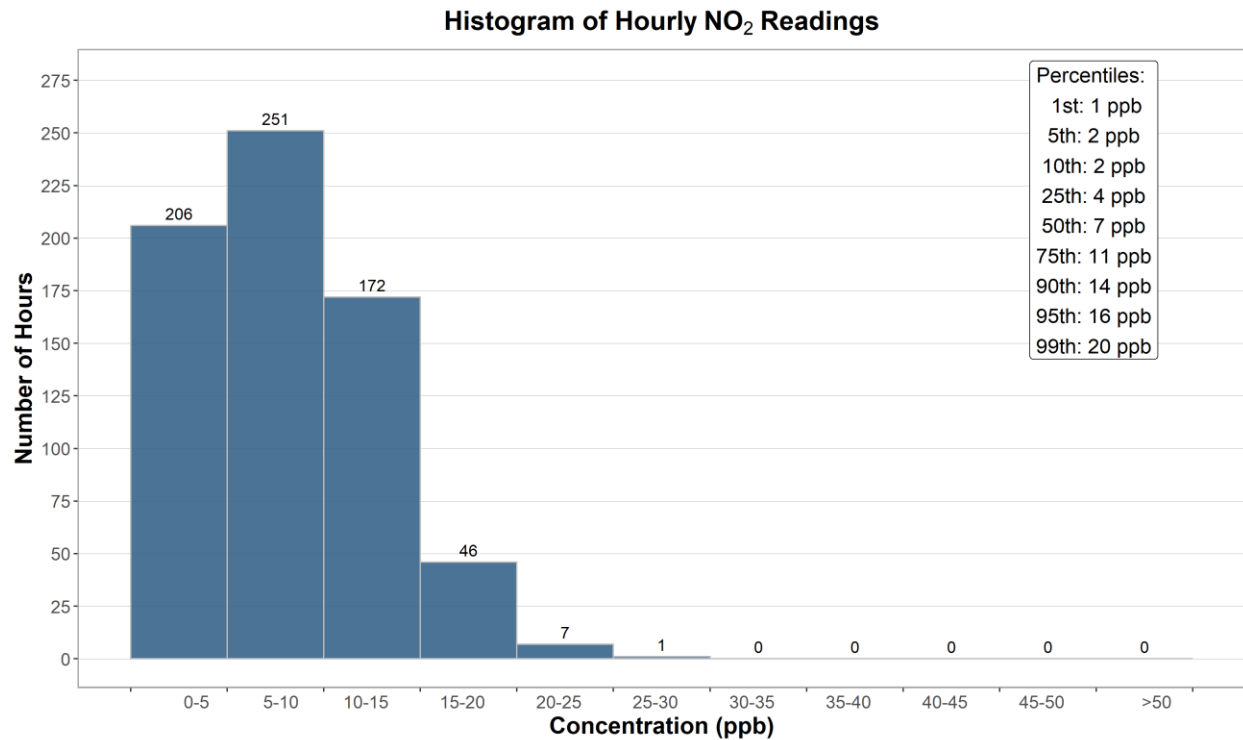


Figure 3-3 Histogram of hourly NO₂ concentrations at the Lagoon station

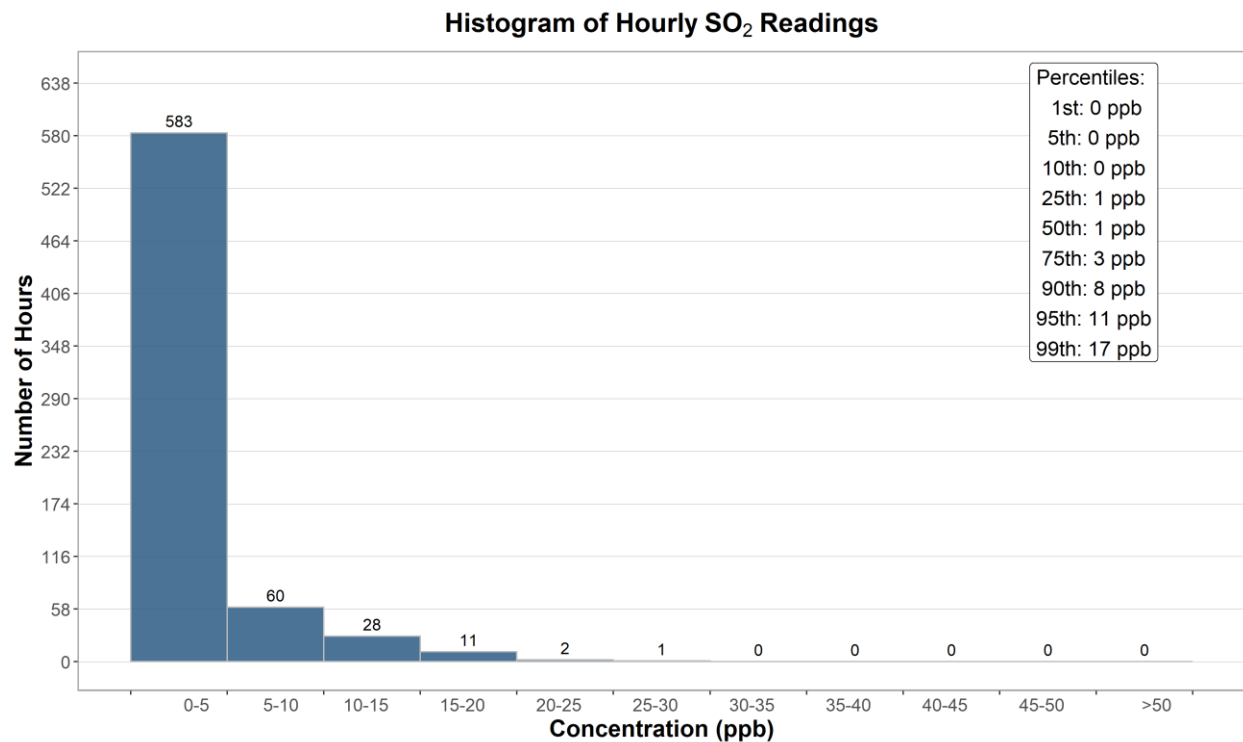


Figure 3-4 Histogram of hourly SO₂ concentrations at the Lagoon station

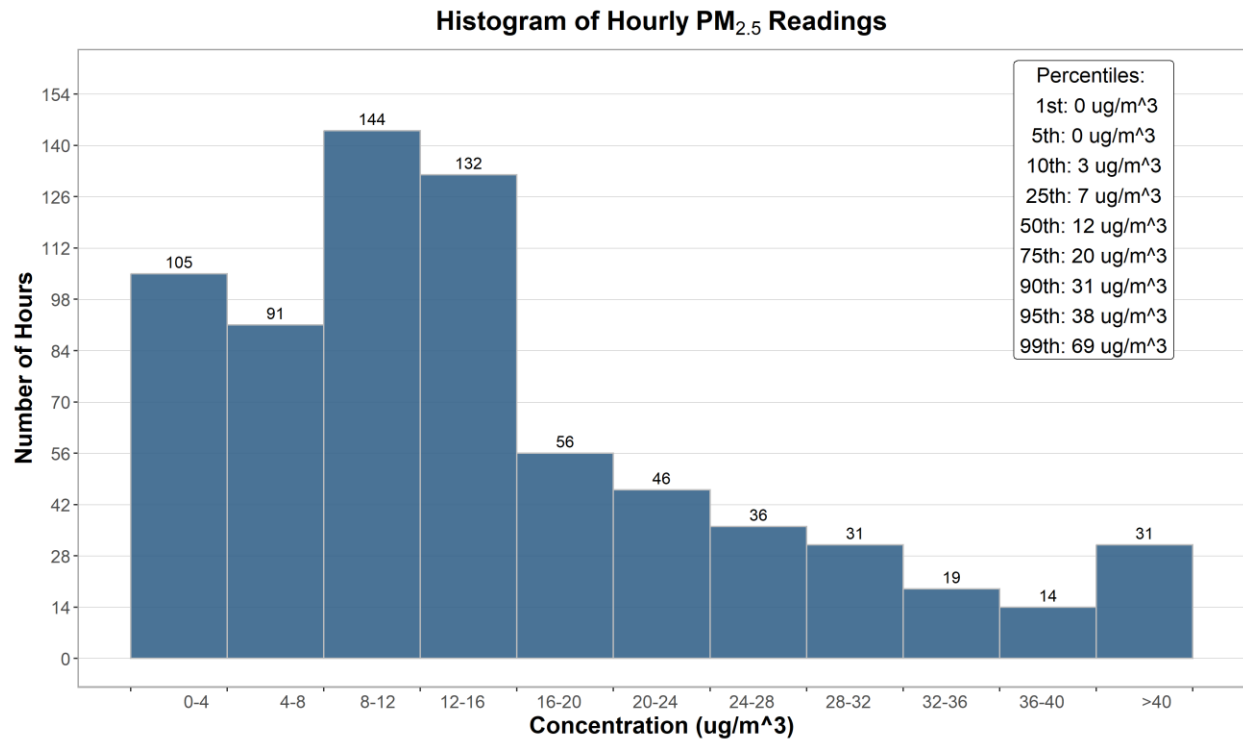


Figure 3-5 Histogram of hourly PM_{2.5} concentrations at the Lagoon station

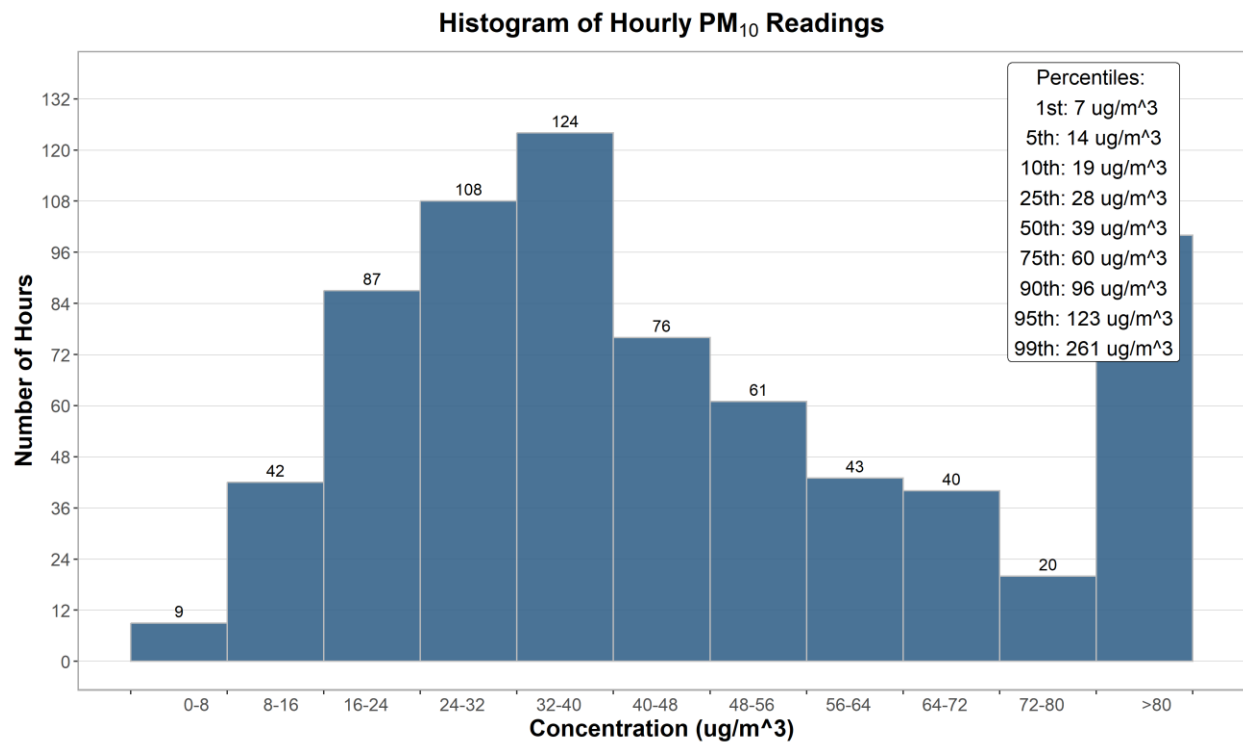


Figure 3-6 Histogram of hourly PM₁₀ concentrations at the Lagoon station

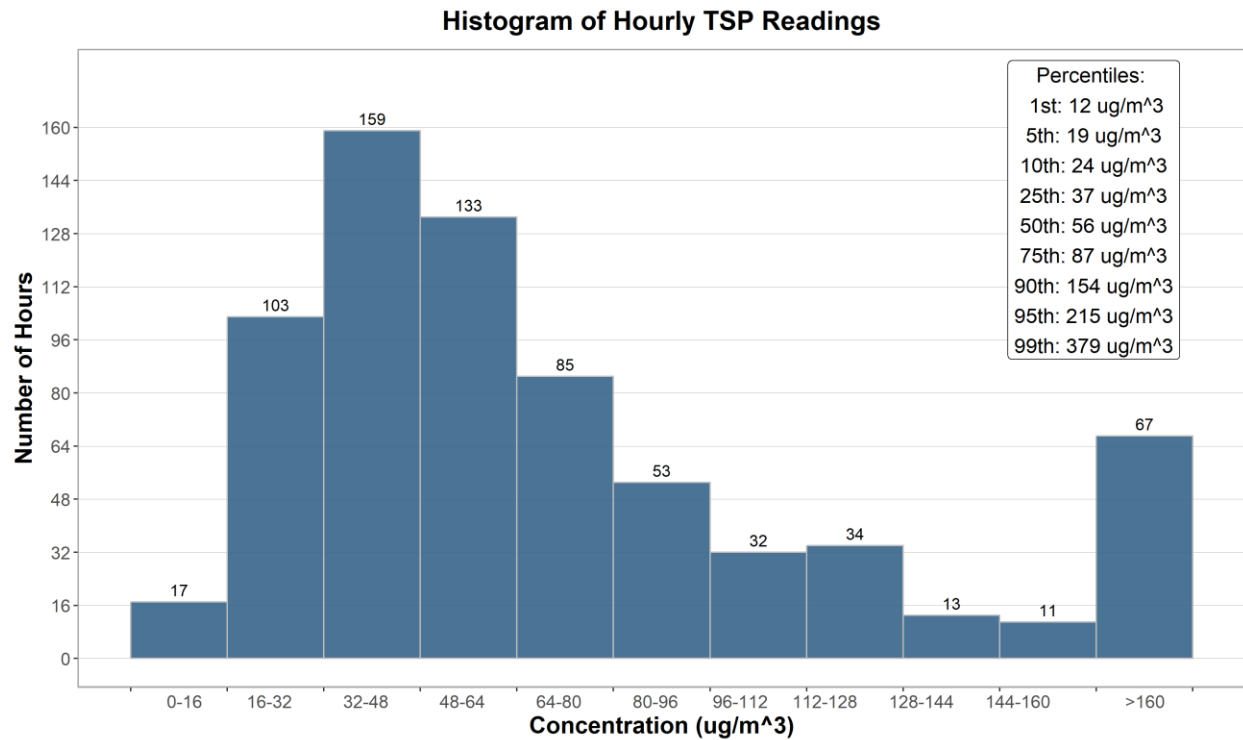


Figure 3-7 **Histogram of hourly TSP concentrations at the Lagoon station**

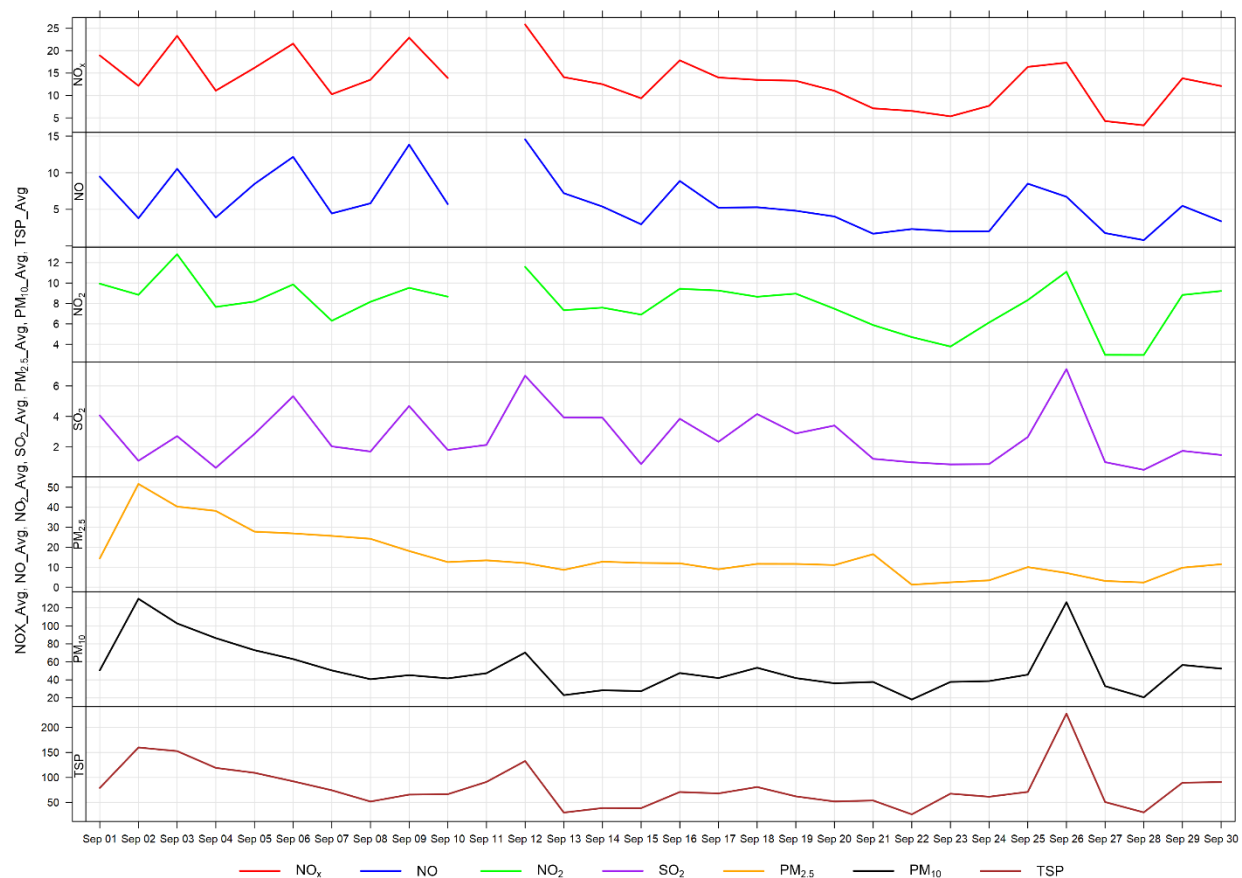


Figure 3-8 24-hour concentrations of NO_x, SO₂, and particulate matter at the Lagoon monitor

Figure 3-9 shows the wind rose for the 6 days of TSP exceedance. The wind rose shows that the winds predominately came from the east-northeast and the southwest, suggesting impacts of windblown dust from Amrize Facility and other sources, likely related to wildfire impacts and increased dust levels due to construction near the Lagoon Station. Figure 3-10 shows the wind rose for 3 days of PM_{2.5} exceedance. The variation in wind conditions producing exceedances shows that, this month, the PM_{2.5} exceedance were influenced by wildfire smoke.

Figure 3-11 through Figure 3-13 show the variation in concentrations over various time averaging periods for PM, SO₂ and NO_x. The particulate matter plot in Figure 3-11 typically shows that PM₁₀ and TSP concentrations have a diurnal pattern associated with Amrize 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 SO₂ over various time periods. SO₂ concentrations patterns are dependent on the timing of the highest SO₂ concentrations recorded in the month because in general SO₂ concentrations are very low. Figure 3-13 shows the variation of NO_x, NO and NO₂, with the peak of all three pollutants occurring in the early morning. This may be indicative of a peak in traffic.

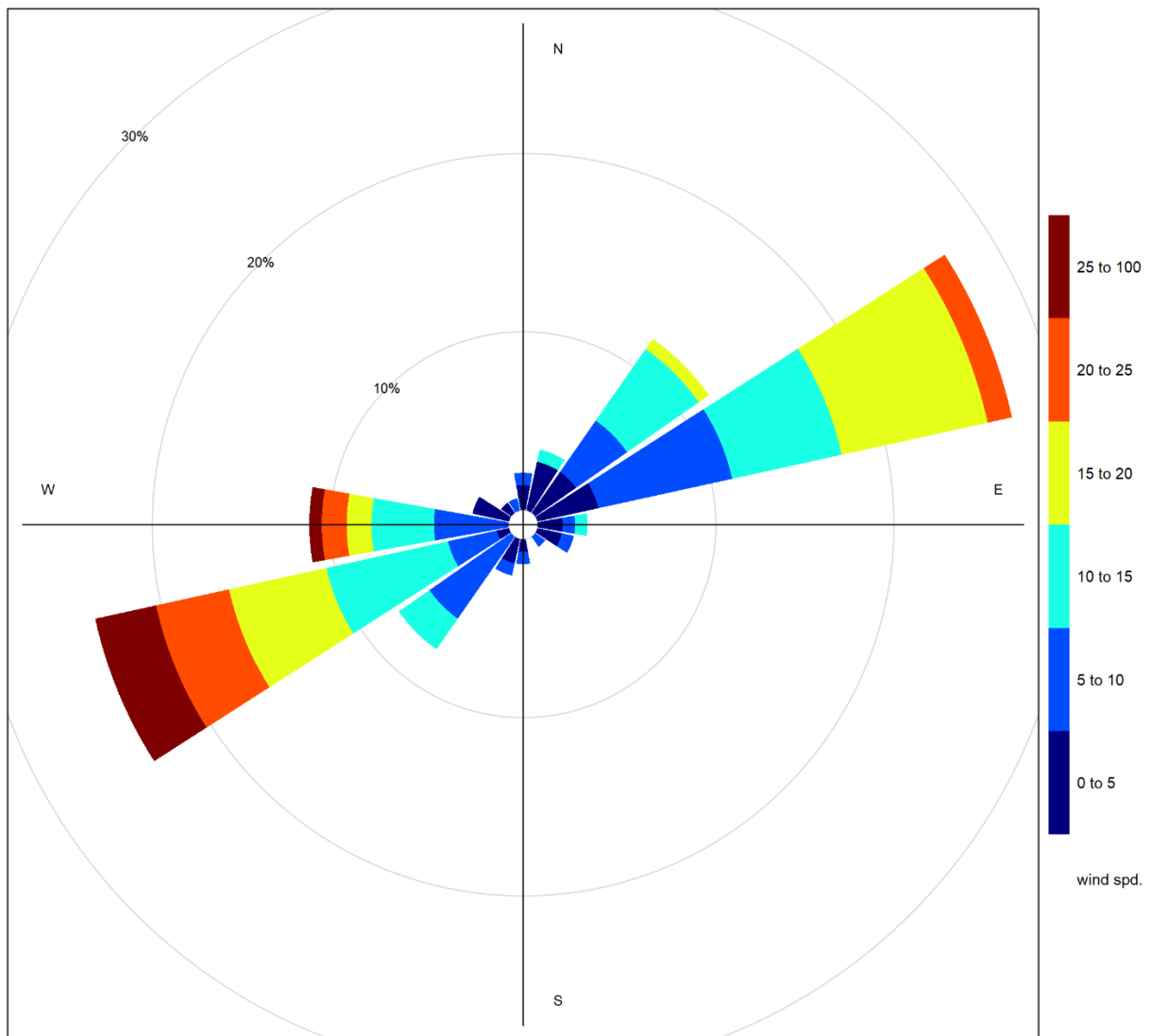


Figure 3-9 Wind rose for TSP exceedance days recorded at the Lagoon Station

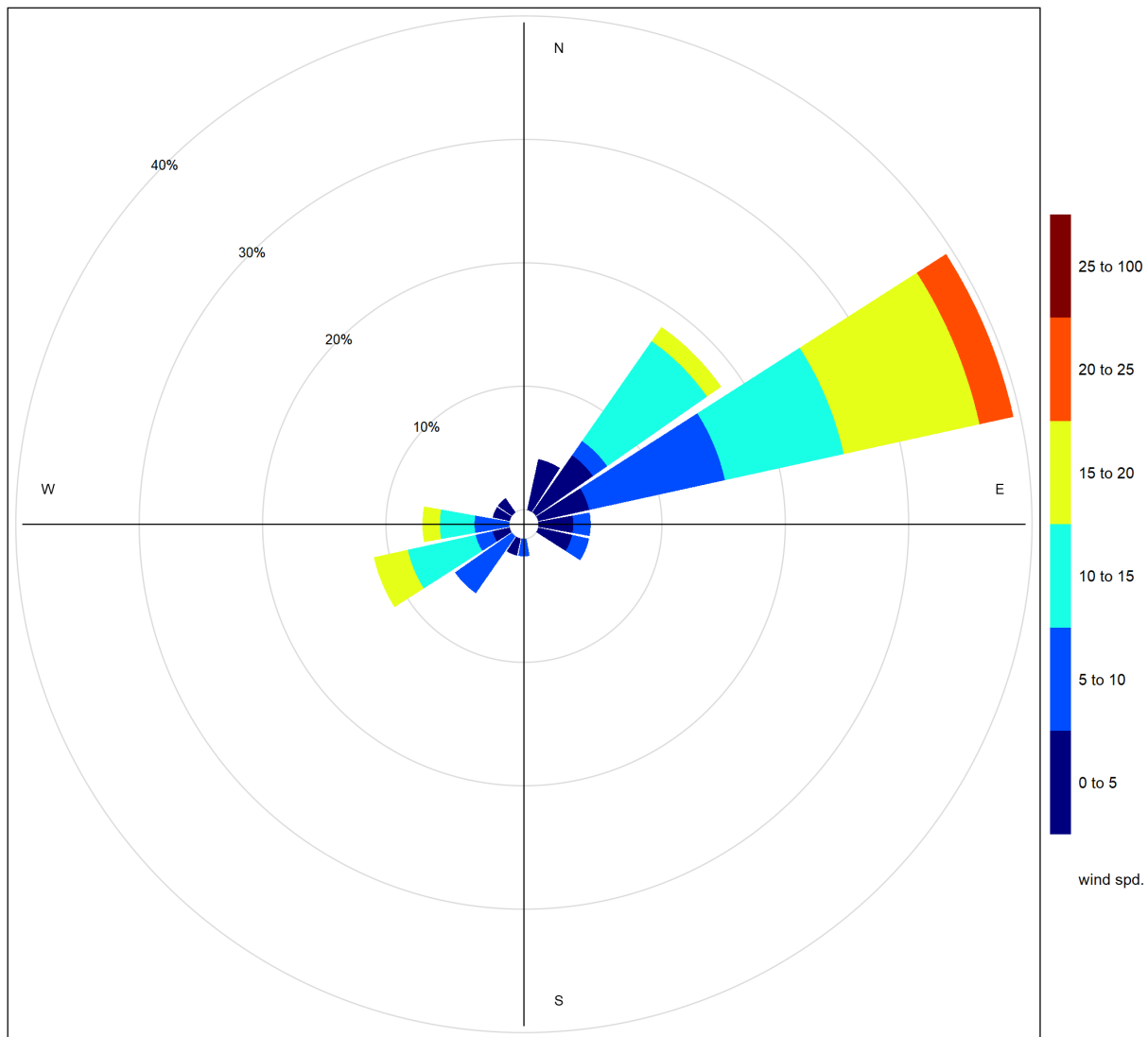


Figure 3-10 Wind rose for PM_{2.5} exceedance days recorded at the Lagoon Station

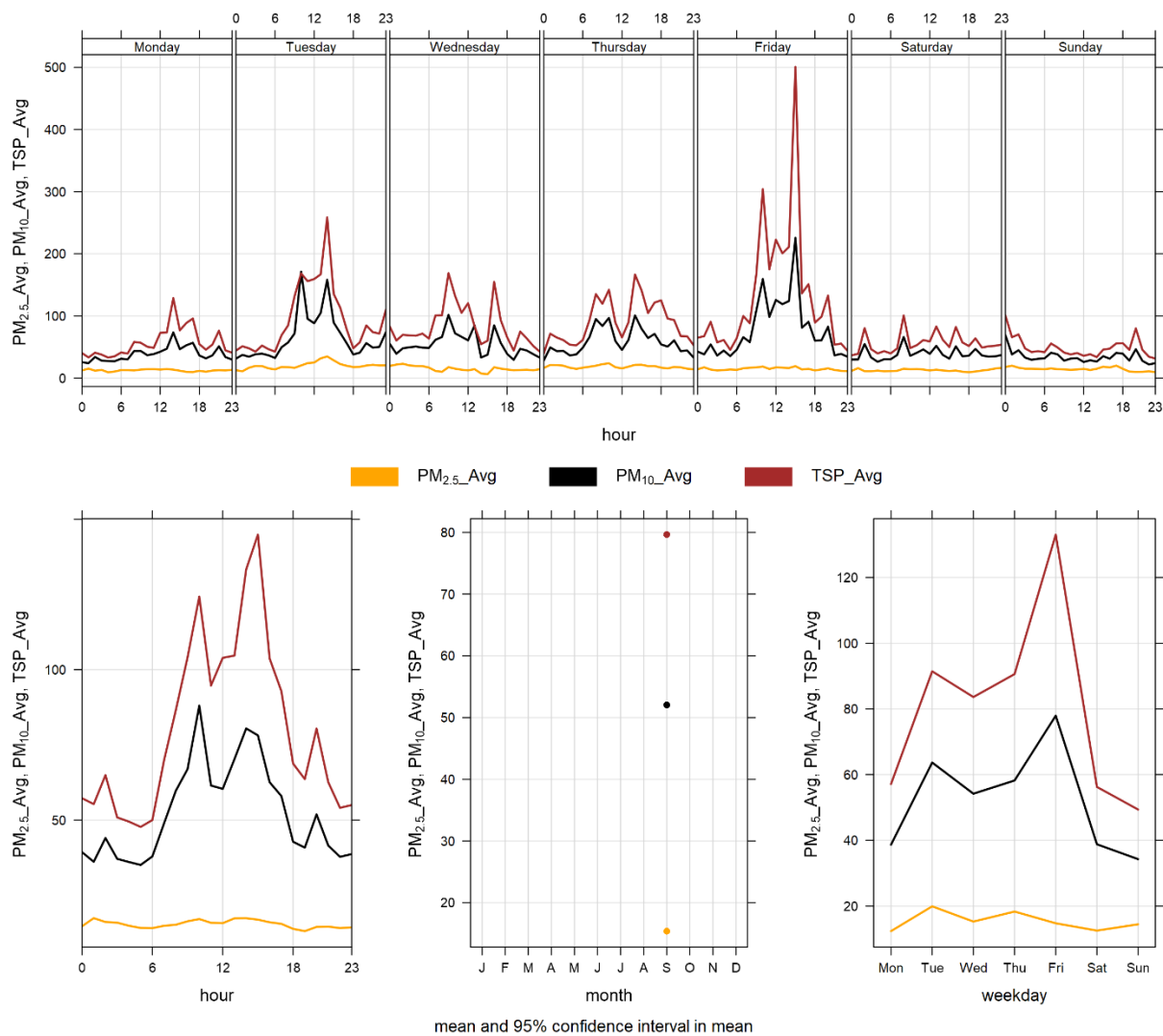


Figure 3-11 Lagoon monitor particulate matter time variation

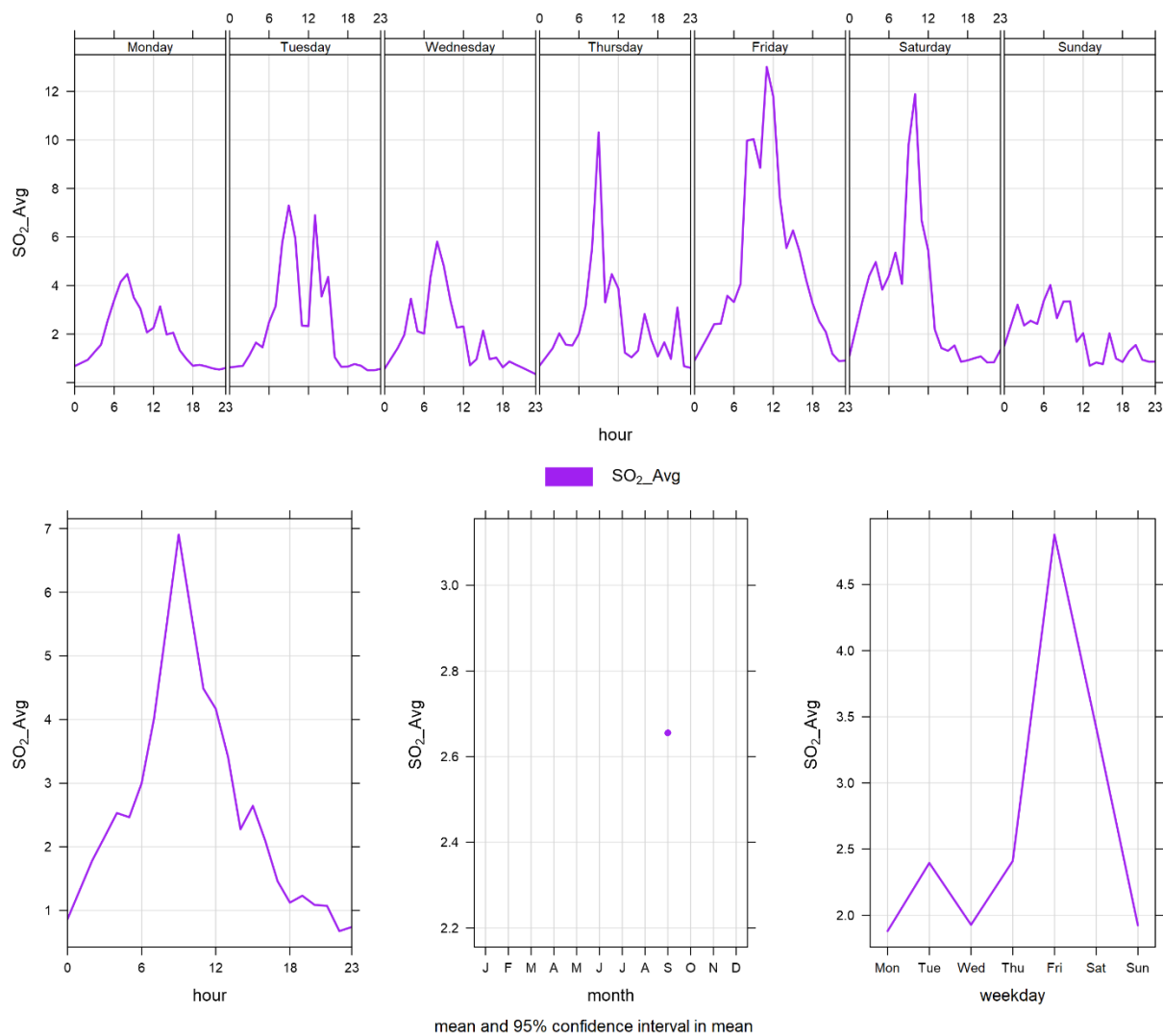


Figure 3-12 Lagoon monitor SO_2 time variation

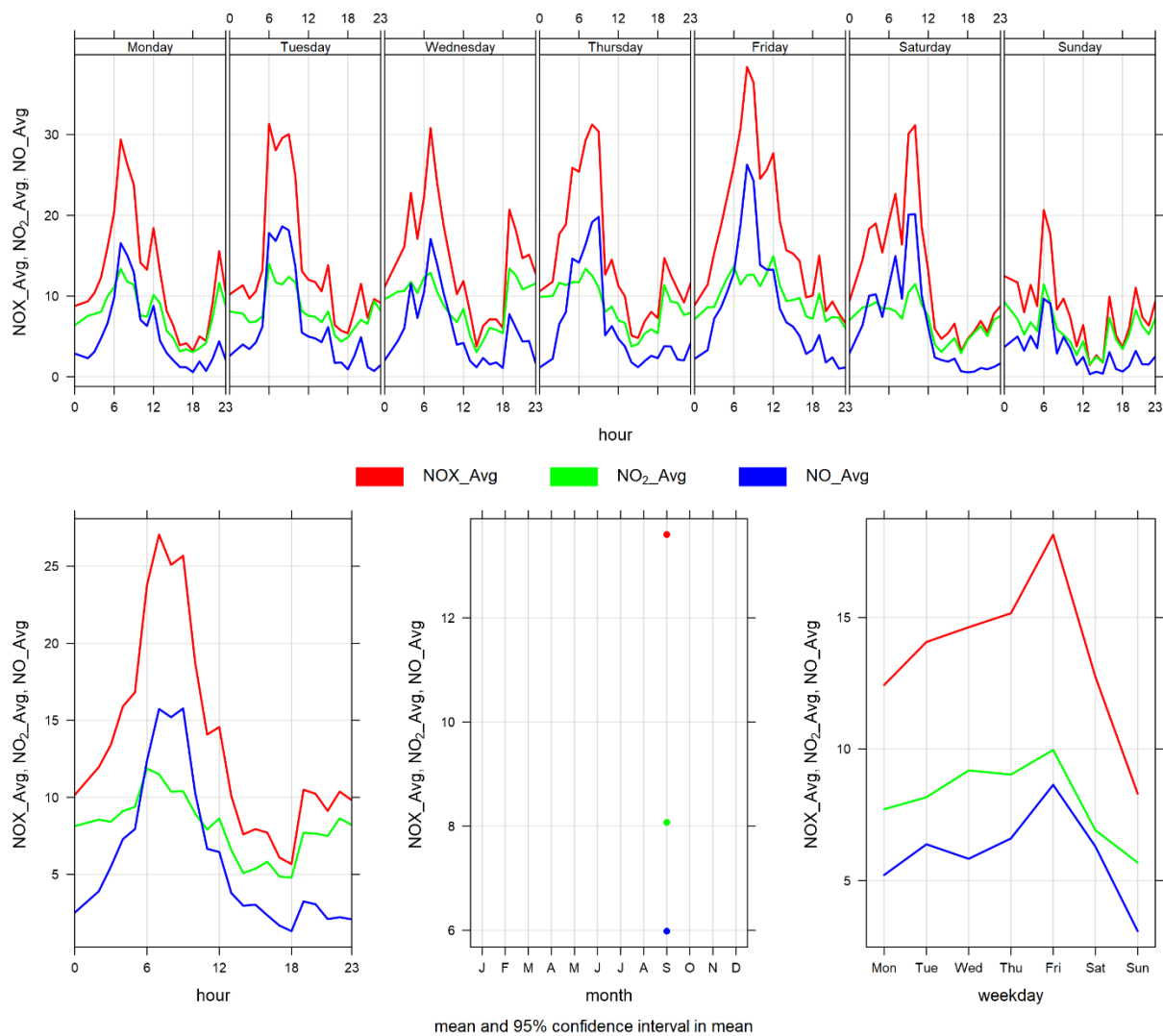


Figure 3-13 Lagoon monitor NO_x time variation

4 WINDRIDGE STATION

The Windridge station contains TSP, PM₁₀, and PM_{2.5} analyzers only. This section provides a summary of the monitoring activities for the Windridge ambient air quality station, including: a table of instrumentation (Table 4-1), a data summary table (Table 4-2), a table of recorded exceedances (Table 4-3), site visit notes, and graphs illustrating the monitoring results for September 2025.

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 September 23 rd . The monitor recorded 99.4% uptime for the month of September due to 4 hours of equipment malfunction occurring on September 1 st at 20:00, September 2 nd at 22:00, September 13 th at 23:00 and September 14 th at 00:00.
PM₁₀ Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The PM ₁₀ monitor was calibrated on September 23 rd . The monitor recorded 99.4% uptime for the month of September due to 4 hours of equipment malfunction occurring on September 1 st at 20:00, September 2 nd at 22:00, September 13 th at 23:00 and September 14 th at 00:00.
TSP Concentrations	MetOne BAM-1020 Continuous Particulate Monitor	The TSP monitor was calibrated on September 23 rd . The monitor recorded 99.4% uptime for the month of September due to 4 hours of equipment malfunction occurring on September 1 st at 20:00, September 2 nd at 22:00, September 13 th at 23:00 and September 14 th at 00:00.

4.2 MONITORING RESULTS AND TRENDS

Table 4-2 summarizes the hourly and daily concentrations recorded in September 2025, and Table 4-3 summarizes 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 while Figure 4-7 displays the wind rose for the 24-hour PM_{2.5} exceedance days, and Figure 4-8 illustrates the time series for hourly PM over different time periods.

There were 3 exceedances of the 24-hour PM_{2.5} AAAQO (29µg/m³), 2 exceedances of the 1-hour PM_{2.5} AAAQG (80 µg/m³), and 5 exceedances of the 24-hour TSP AAAQO (100 µg/m³). The PM_{2.5} exceedances are directly attributable to wildfire smoke during the month.

Historically in September, the average number of 24-hour TSP AAAQO exceedances and 24-hour PM_{2.5} AAAQO exceedances is 6 and 2, respectively. The maximum number of 24-hour TSP AAAQO exceedances recorded in September were 12 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 may contribute to an increase in TSP levels. Further, the strong wind gusting that occurred in August would have contributed to increased particulate levels that may have arisen from multiple sources: Amrize Plant, Exshaw Creek, dry sections of the Bow River, and open areas.

Table 4-2 Summary of September 2025 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} (µg/m³)	80	29	Windridge	2	3	0.0	14.3	85.0	2	14	20.9	65.4	46.3	2	99.4
PM ₁₀ (µg/m³)	-	-	Windridge	-	-	0.0	49.3	485.0	26	15	25.1	259.8	197.2	26	99.4
TSP (µg/m³)	-	100	Windridge	-	5	0.0	79.1	985.0	26	15	25.1	259.8	368.3	26	99.4

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 Amrize)
Windridge						
2025-09-02	-	46.3	65.0	10.0	68.8	Regional wildfire activities
2025-09-03	-	33.6	250.2	8.7	64.4	Regional wildfire activities
2025-09-04	-	33.5	60.4	9.4	72.2	Regional wildfire activities
2025-09-23	205.6	-	245.0	21.8	33.2	High wind event
2025-09-25	151.0	-	248.4	10.7	52.9	
2025-09-26	368.3	-	251.5	19.0	37.7	
2025-09-27	212.9	-	238.1	27.4	36.3	High wind event
2025-09-30	127.9	-	245.8	13.8	46.7	
Total # of Exceedances	5	3				
Maximum # of Exceedances (September)	12 (2021)	3 (2022)				
Average # of Exceedances (September)	6	2				
Minimum # of Exceedances (September)	1 (2018)	0 (2021)				

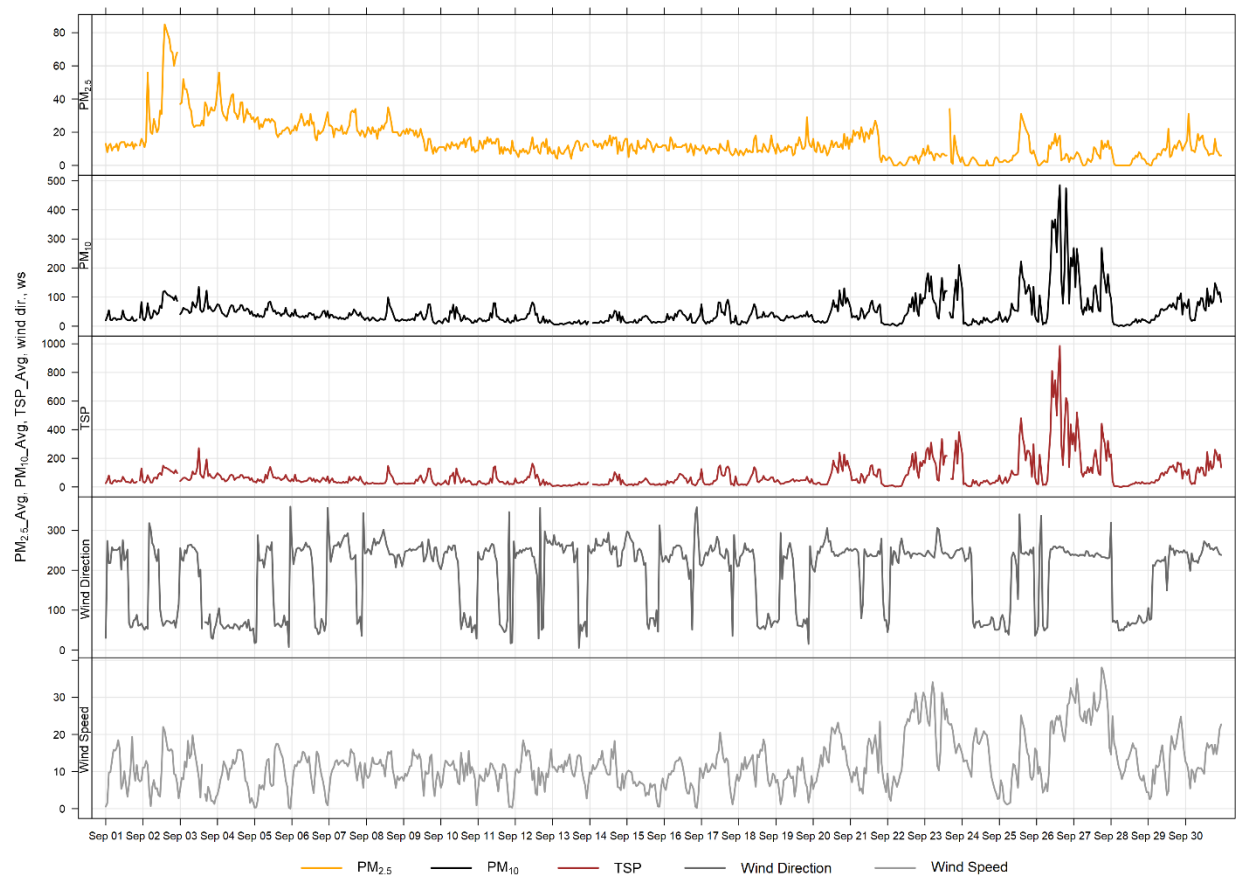


Figure 4-1 1-hour particulate matter concentrations recorded at the Windridge monitor

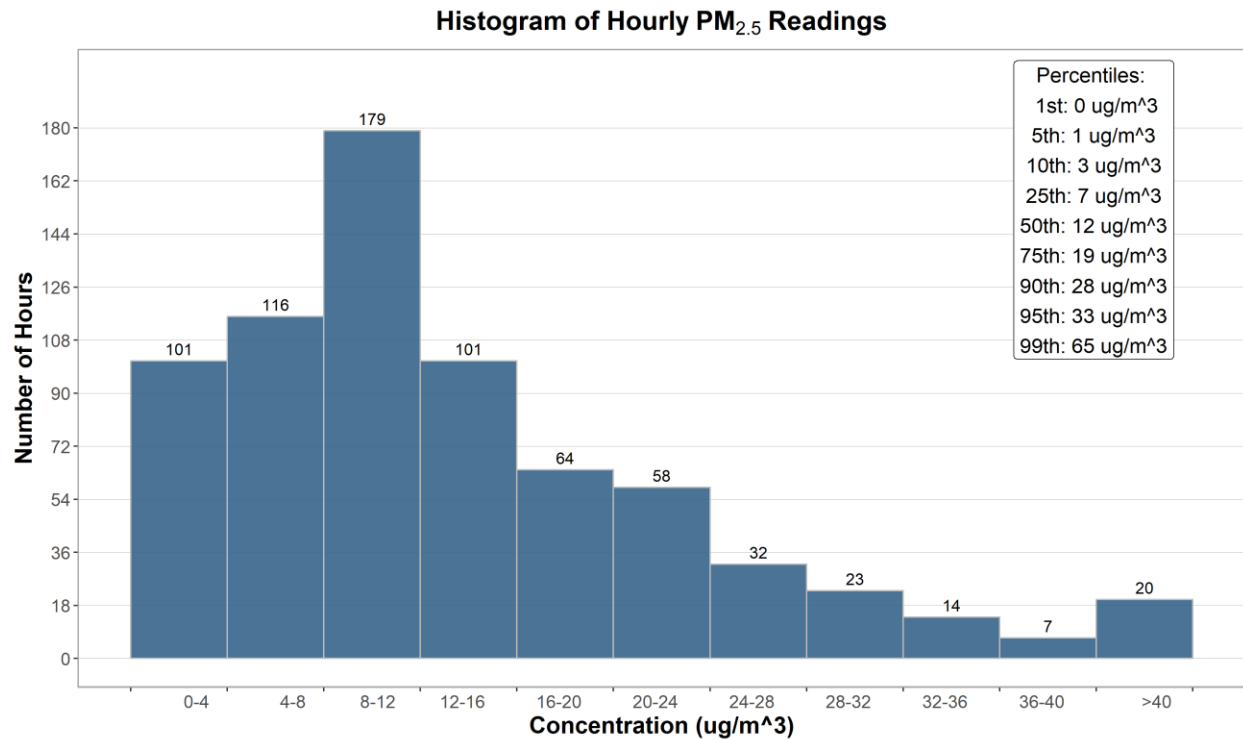


Figure 4-2 Histogram of hourly PM_{2.5} concentrations at the Windridge station

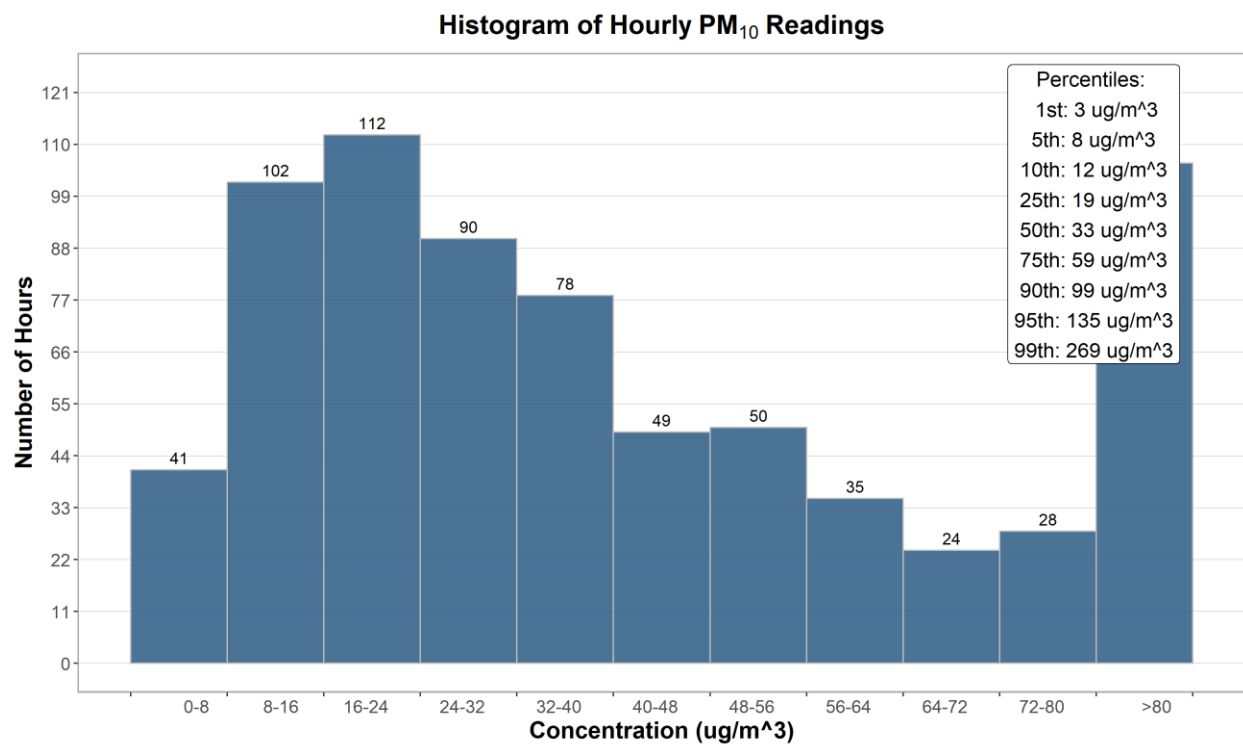


Figure 4-3 Histogram of hourly PM₁₀ concentrations at the Windridge station

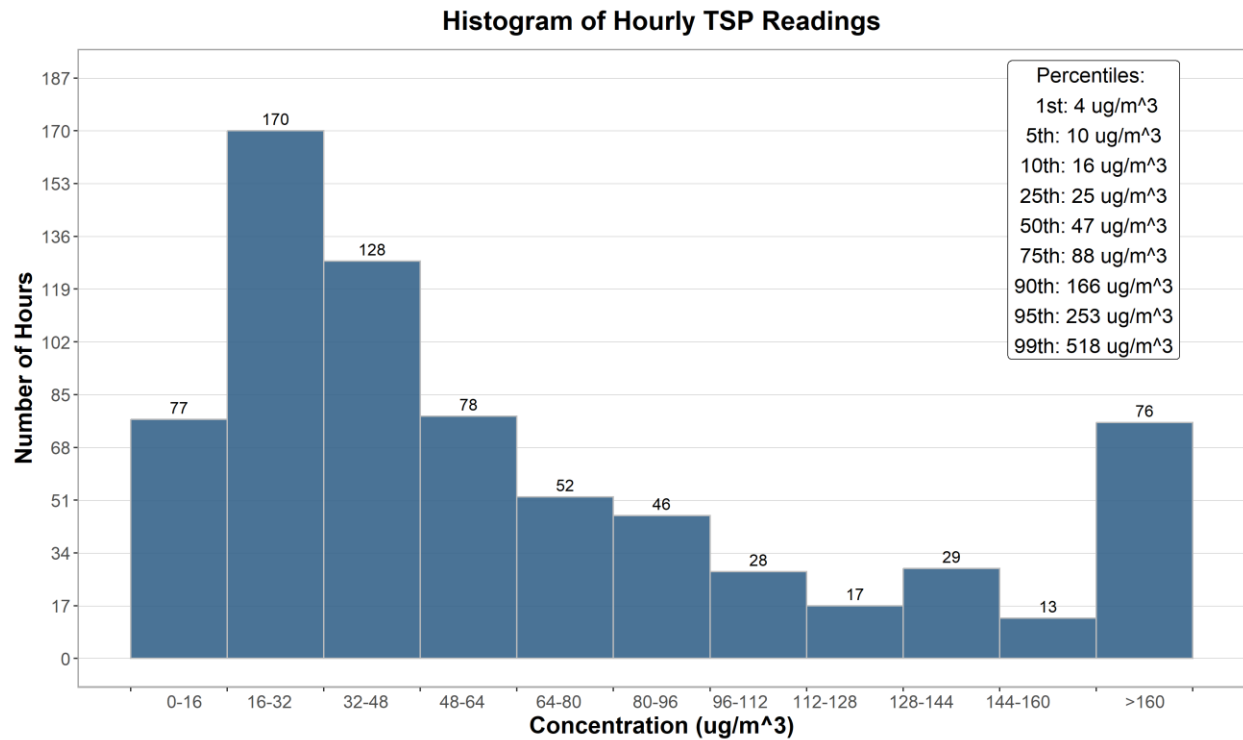


Figure 4-4 Histogram of hourly TSP concentrations at the Windridge station

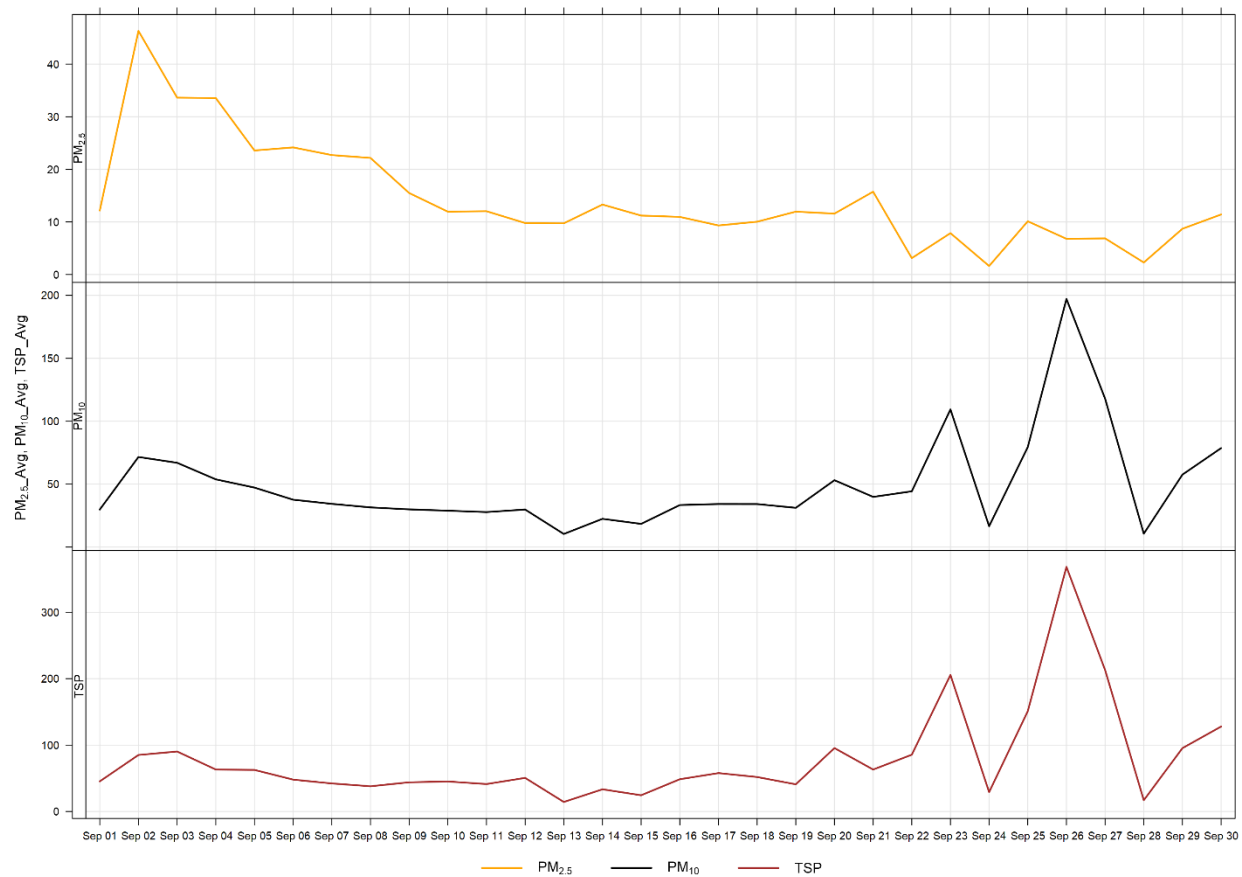


Figure 4-5 24-hour particulate matter concentrations at the Windridge monitor

Figure 4-6 shows the wind rose for the 5 days of TSP exceedance in September. The wind rose shows that the winds predominately came from the west-southwest, suggesting impacts of windblown dust from the direction of the Amrize Facility. Figure 4-7 shows the wind rose for the 3 days of PM_{2.5} exceedances in September. The variation in wind conditions producing exceedances shows that, this month, the PM_{2.5} exceedance was influenced by wildfire smoke.

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 September 2025. Similar to the Lagoon station, the data shows a diurnal pattern associated with Amrize operations, daytime emissions from traffic. The diurnal patterns also follow the diurnal pattern of higher wind speeds during the daytime hours.

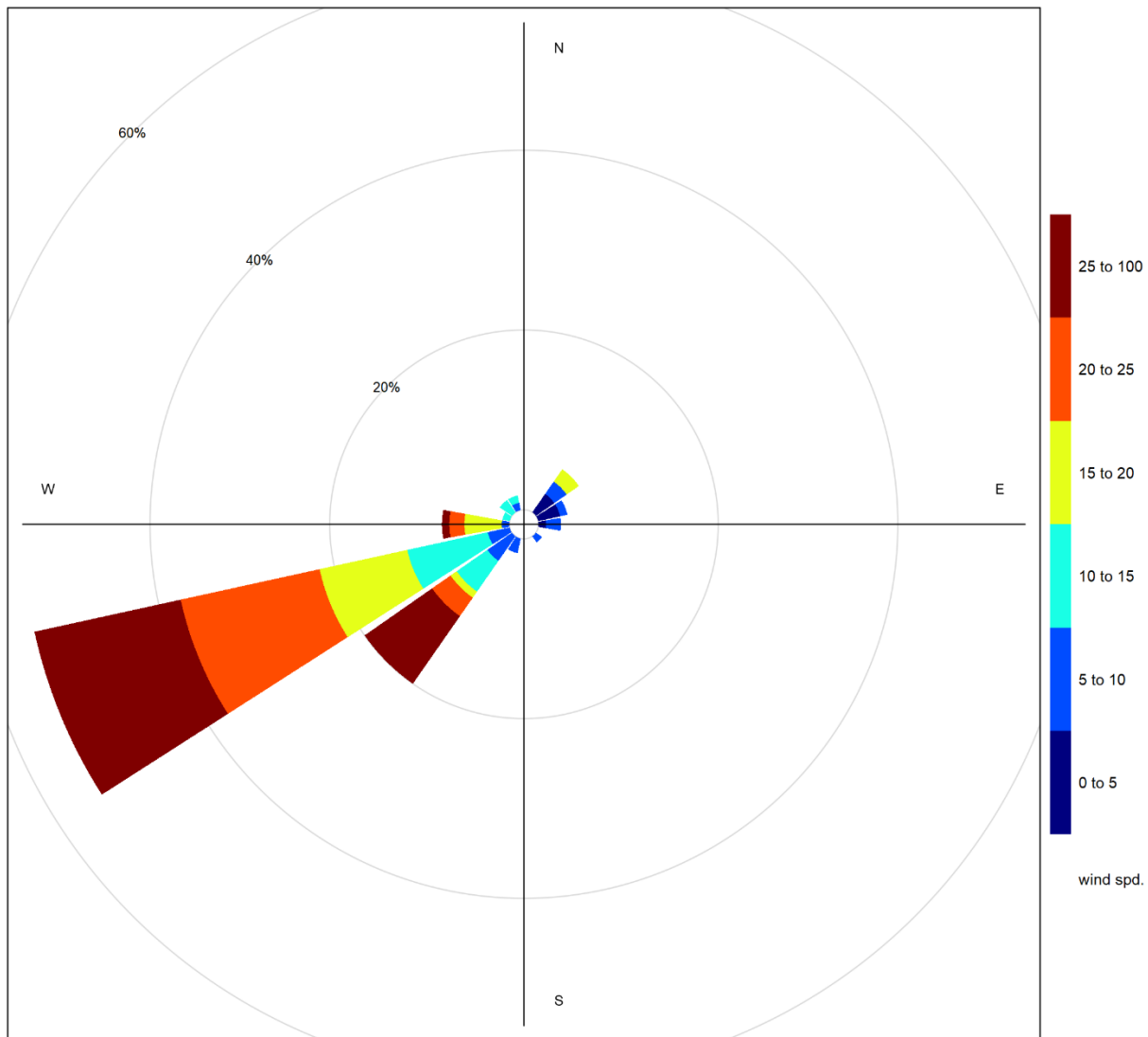


Figure 4-6 Wind rose for TSP exceedance days recorded at the Windridge Station

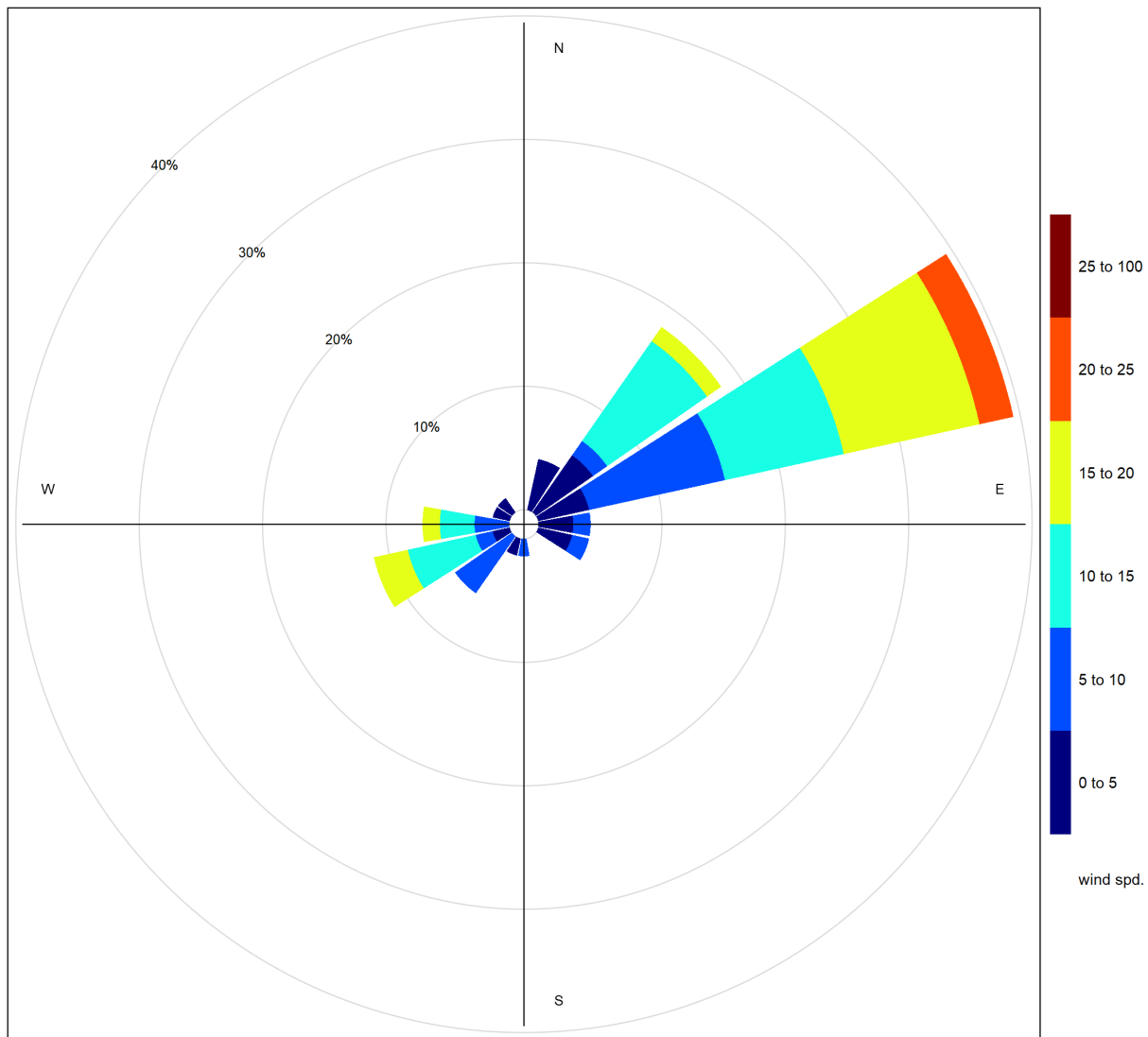


Figure 4-7 Wind rose for PM_{2.5} exceedance days recorded at the Windridge Station

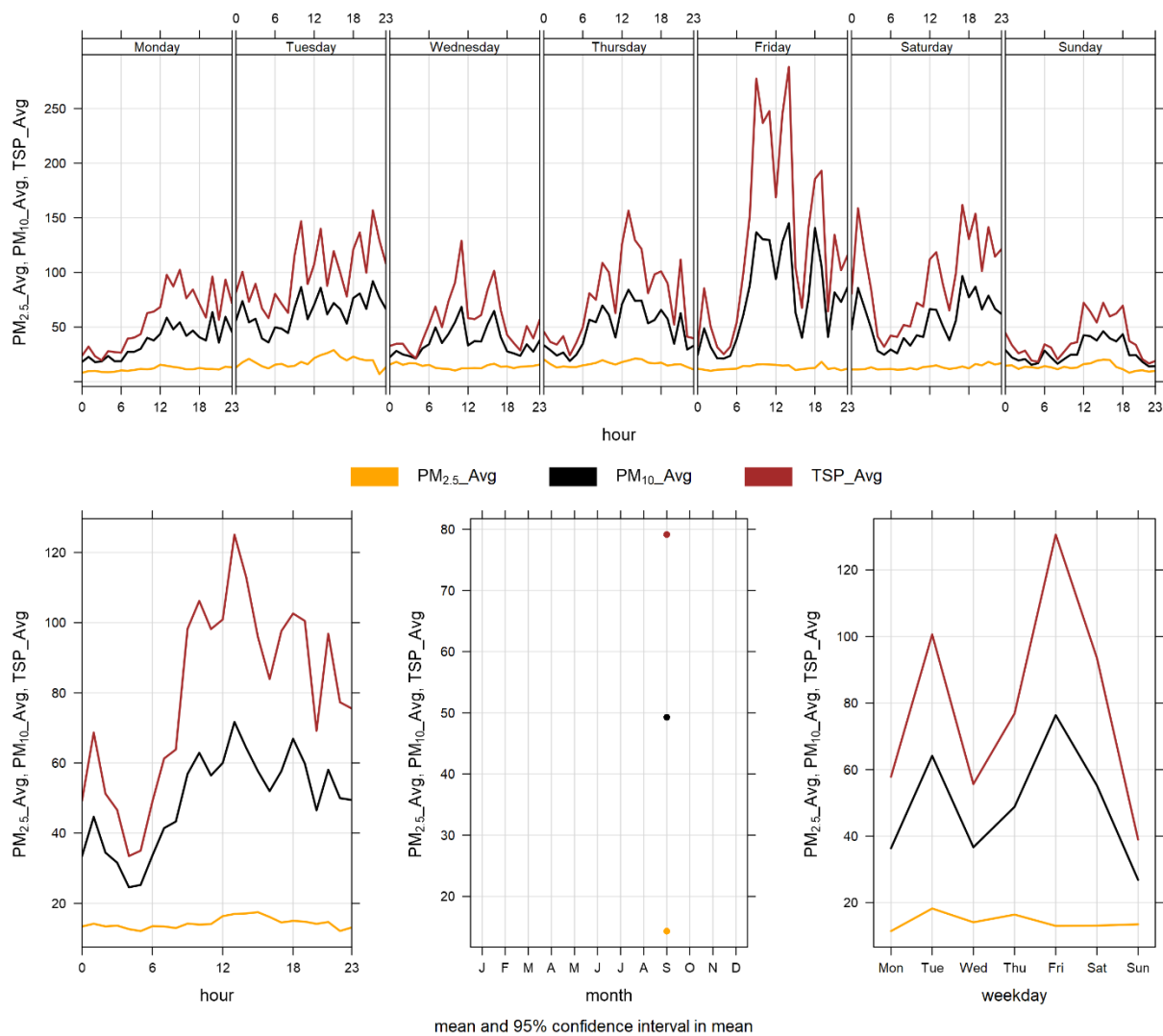


Figure 4-8 Windridge particulate matter time variation

5 BERM INDUSTRIAL GRIMM

5.1 OPERATIONAL SUMMARY

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

Table 5-1 Instrumentation List at the Berm monitoring location

Parameter Measured	Equipment Description	Notes
PM _{2.5} , PM ₁₀ , TSP Concentrations	GRIMM 365 Continuous Particulate Monitor	The PM_{2.5} and PM₁₀ analyzers had 84.0% uptime during the month of September due to a total of 115 hours of equipment malfunction, 12 hours occurring on September at 11:00 - 22:00, and 103 hours occurring from September 26th at 17:00 until September 30th at 23:00. The TSP analyzer had 83.9% uptime during the month of September due to a total of 116 hours of equipment malfunction, 12 hours occurring on September at 11:00 - 22:00, and 104 hours occurring from September 26th at 16:00 until September 30th at 23:00.

5.2 MONITORING RESULTS AND TRENDS

The Berm monitor was placed at its current location as a result of the dispersion modelling conducted for the facility. Figure 5-1 and Figure 5-2 show the hourly and daily PM_{2.5}, PM₁₀, and TSP concentrations recorded over the month. Table 5-2 summarizes the maximum 1-hour and 24-hour PM concentrations recorded during the month, and Table 5-3 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 3 exceedances of the 24-hour TSP Guideline (100 µg/m³). There were no exceedances of the 24-hour PM_{2.5} (29 µg/m³) and no exceedances for the 1-hour PM_{2.5} Guideline.

Historically during the month of September, the Berm monitor records an average of 13 and 1 exceedances of the 24-hour TSP and PM_{2.5} guidelines, respectively. The maximum number of TSP exceedances recorded during September occurred in 2013 where there were 21 days that exceeded the guideline. On the other hand, the maximum number of PM_{2.5} exceedances in September was 7 days in 2017.

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 Amrize 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 September would have also contributed to increased particulate levels that may have arisen from multiple sources: Amrize Plant, Exshaw Creek, dry sections of the Bow River, and open areas.

Table 5-2 Summary of September 2025 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} (µg/m³)	80	29	Berm	0	0	0.4	10.8	53.5	25	14	25.1	244.3	22.7	2	84.0
PM ₁₀ (µg/m³)	-	-	Berm	-	-	0.4	24.7	302.4	25	14	25.1	244.3	66.8	23	84.0
TSP (µg/m³)	-	100	Berm	-	3	0.4	52.3	895.7	25	14	25.1	244.3	191.9	23	83.9

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

Date	TSP (ug/m ³)	PM _{2.5} (ug/m ³)	Average Wind Direction (degrees)	Average Wind Speed (km/hr)	Average RH (%)	Root Cause (Provided by Amrize)
Berm						
2025-09-20	109.6	-	250.8	15.2	37.0	
2025-09-23	191.9	-	245.0	21.8	33.2	High wind event
2025-09-25	140.5	-	248.4	10.7	52.9	
Total # of Exceedances	3	0				
Maximum # of Exceedances (September)	21 (2023)	7 (2017)				
Average # of Exceedances (September)	13	1				
Minimum # of Exceedances (September)	7 (2013)	0 (2010, 2011, 2012, 2013, 2014, 2015, 2019)				

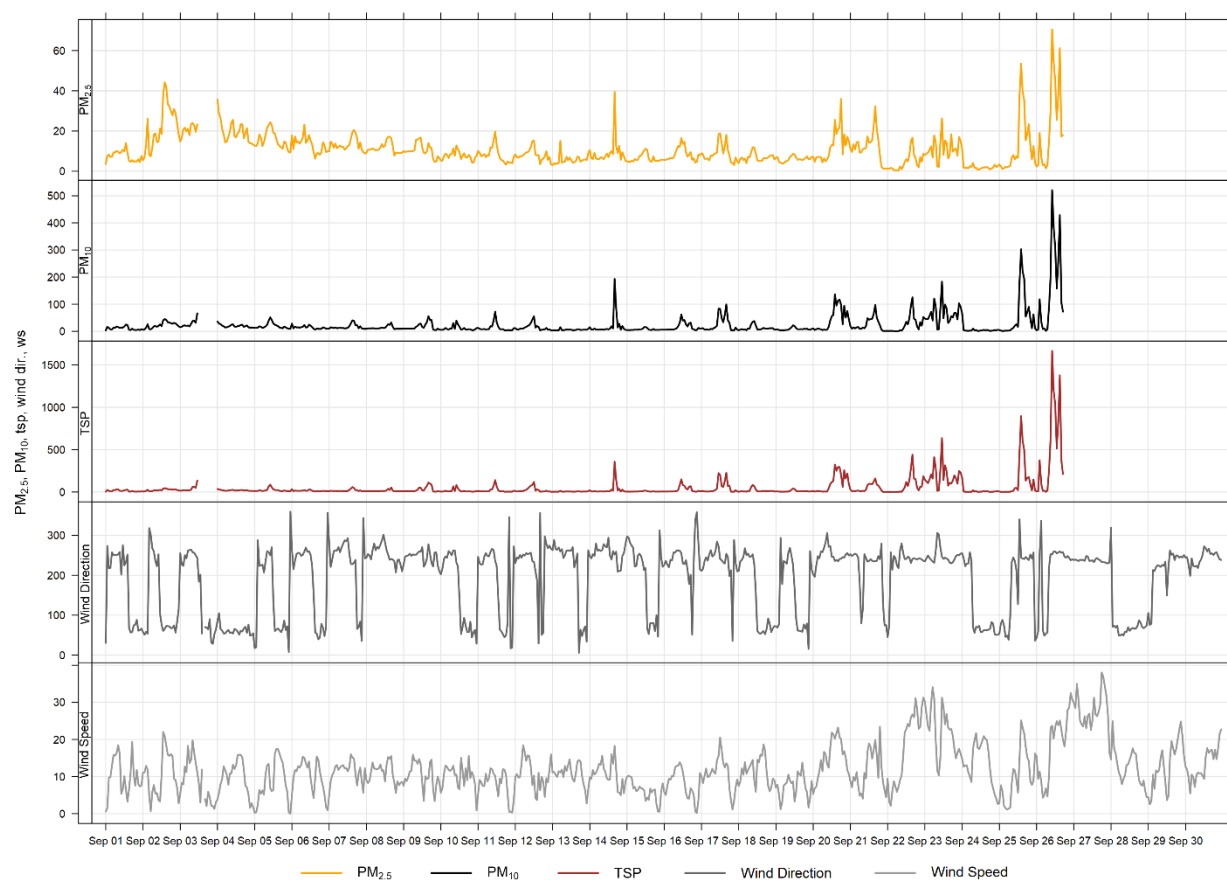


Figure 5-1 1-hour particulate matter concentrations at the Berm monitor

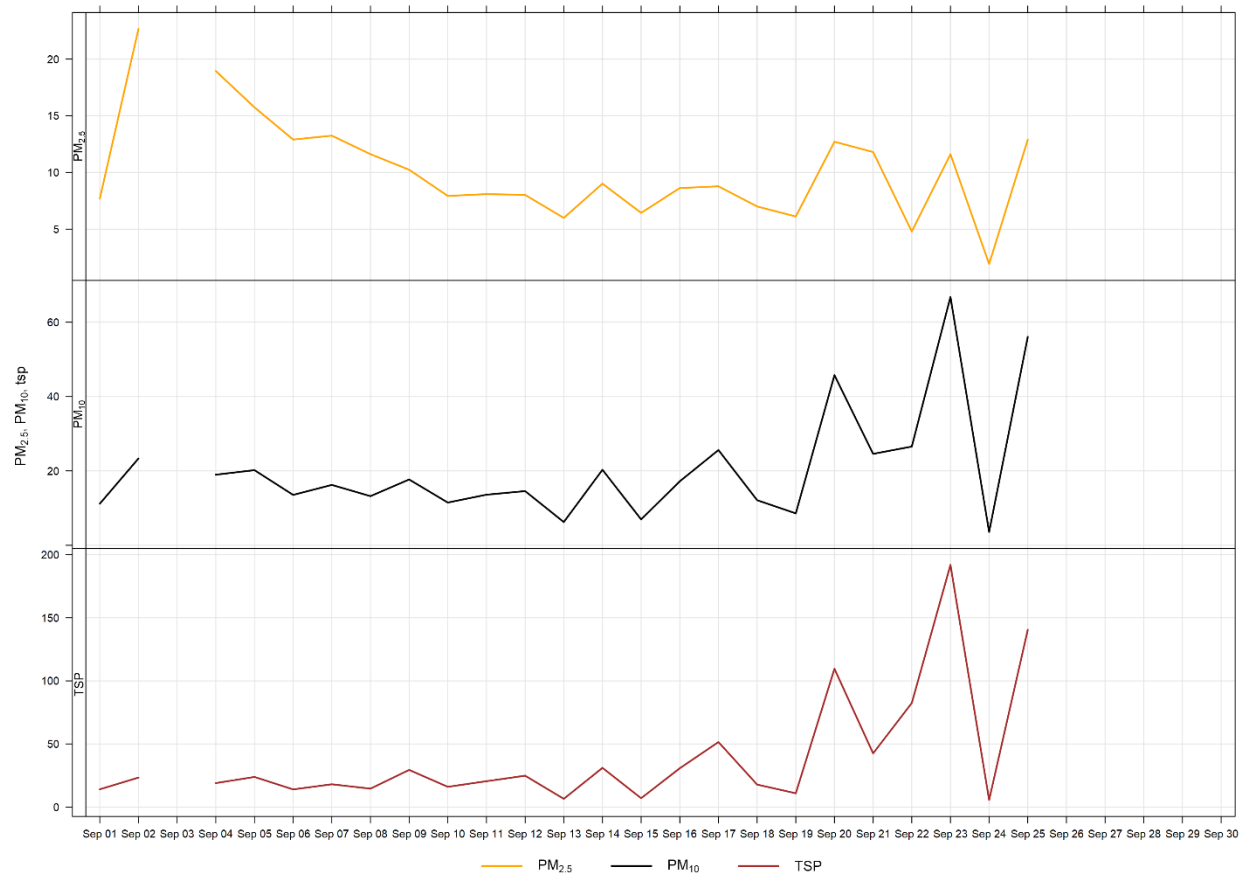


Figure 5-2 24-hour particulate matter concentrations at the Berm monitor

Figure 5-3 shows the wind rose for the 3 days of TSP exceedances. The wind rose shows that the wind predominately came from west-southwest direction, suggesting impacts of windblown dust from the direction of the Amrize Facility.

Figure 5-4 shows the variation of PM recorded at the Berm monitor over various time averaging periods. The Berm monitor diurnal pattern, similar to the Lagoon station, and is associated with Amrize operations, but also daytime emissions from other activities and sources in Exshaw.

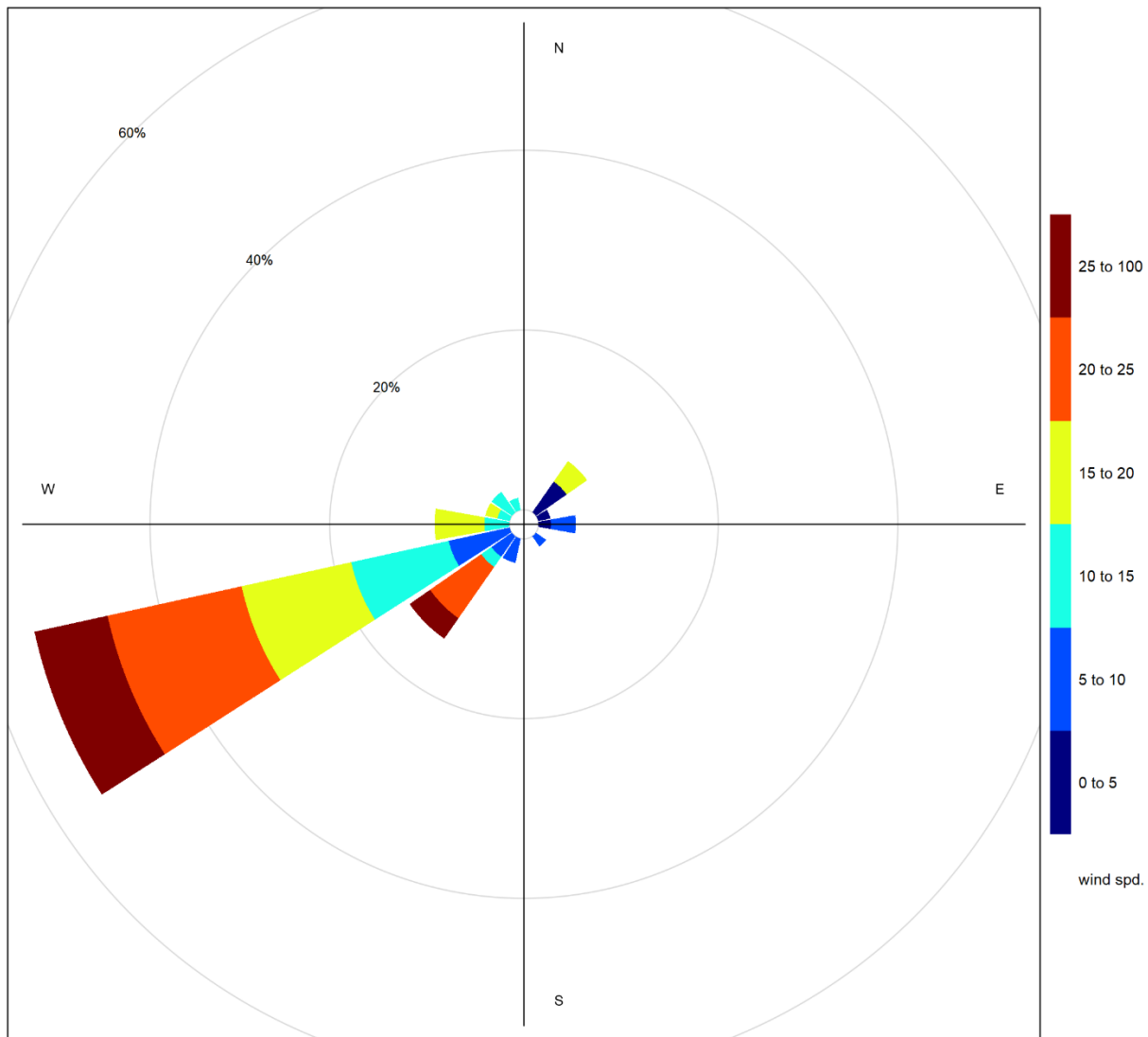


Figure 5-3 Windrose for TSP exceedance days recorded at the Berm GRIMM

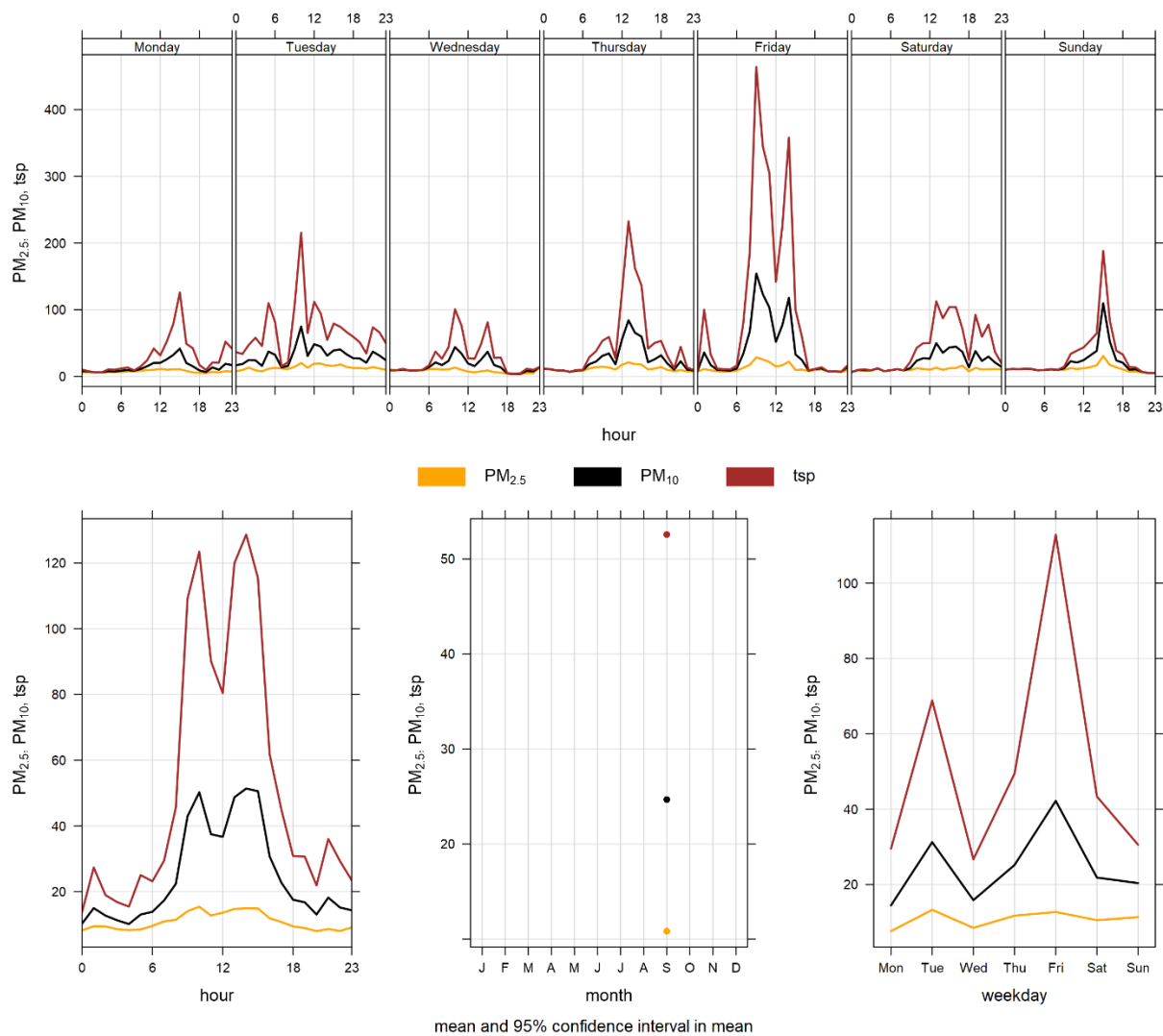


Figure 5-4 Berm monitor particulate matter time variation

BIBLIOGRAPHY

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

APPENDIX

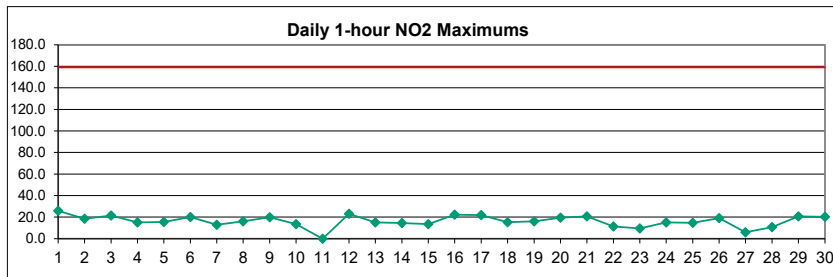
A DATA & CALIBRATION REPORTS

APPENDIX



Lagoon NO₂ (ppb) – September 2025

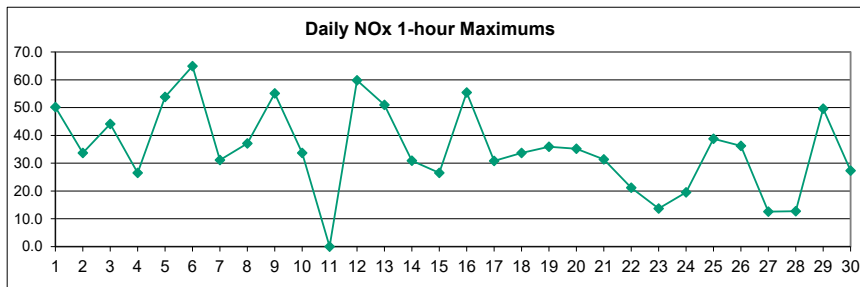
Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	11.1	S	9.5	7.5	12.0	13.5	17.6	15.3	14.4	15.5	14.8	4.2	5.8	9.7	9.5	5.9	1.8	2.2	4.0	1.9	3.0	6.4	25.8	17.3	9.9	25.8
2	16.1	S	13.0	6.6	3.1	5.7	13.8	11.4	9.2	16.7	18.4	12.2	6.8	4.7	5.8	5.6	4.9	7.0	6.7	4.5	5.1	5.2	13.4	7.6	8.9	18.4
3	7.7	S	12.9	12.8	14.0	9.9	13.7	13.0	19.8	19.7	13.9	10.2	21.4	11.6	P	7.3	8.0	11.1	10.6	15.6	14.7	11.9	12.5	9.7	12.8	21.4
4	8.6	S	7.8	9.9	13.7	15.2	10.5	11.5	8.2	6.8	5.8	10.4	5.4	7.9	2.7	2.0	3.5	5.0	5.8	9.3	8.8	5.8	5.9	5.8	7.7	15.2
5	3.3	S	7.3	8.9	11.6	10.5	10.8	8.5	11.2	12.7	12.1	13.6	7.0	2.9	2.6	4.9	6.7	6.7	2.6	15.5	6.3	8.5	8.1	6.2	8.2	15.5
6	9.2	S	10.6	14.2	13.2	12.6	14.7	15.5	10.3	14.7	20.0	17.5	10.8	8.9	2.9	5.8	5.1	2.5	5.4	6.5	5.9	5.7	6.7	8.1	9.9	20.0
7	10.5	S	9.4	9.1	12.7	6.0	12.8	7.6	4.7	4.9	4.7	3.4	7.1	1.8	1.6	1.8	10.1	6.8	3.9	2.4	5.8	3.3	3.7	11.0	6.3	12.8
8	9.2	S	7.4	8.1	6.0	9.6	11.1	13.7	16.1	12.6	5.6	8.6	8.9	9.2	9.9	5.1	3.5	4.1	4.8	4.6	3.7	7.0	9.6	9.4	8.2	16.1
9	7.8	S	9.0	7.6	8.4	9.3	12.2	11.5	12.3	13.4	13.2	9.9	9.2	3.8	9.6	19.9	10.0	1.3	4.8	9.0	6.0	8.5	12.3	10.2	9.5	19.9
10	10.2	S	13.0	10.9	11.9	11.9	13.5	13.4	10.4	7.8	5.9	10.9	6.9	3.6	2.9	2.1	6.9	4.1	2.4	13.1	6.0	8.2	11.5	12.0	8.7	13.5
11	9.6	S	15.1	14.3	13.6	12.6	16.1	14.6	15.8	15.7	C	C	C	C	C	C	2.8	8.0	8.7	17.2	16.7	10.9	6.3	11.6	-	-
12	11.8	S	9.7	15.1	13.8	18.4	16.0	13.6	17.5	14.7	13.0	8.7	23.1	18.2	7.3	6.3	4.1	6.4	10.4	8.7	7.5	8.3	8.0	5.7	11.6	23.1
13	4.0	S	2.6	3.8	5.4	3.7	5.5	8.5	8.4	13.8	12.8	11.5	12.3	2.0	2.2	6.2	7.5	4.2	5.9	6.7	11.4	5.5	9.8	15.0	7.3	15.0
14	14.5	S	12.9	6.8	6.2	7.5	7.8	11.7	4.4	8.3	9.3	4.8	6.3	1.3	4.3	2.2	13.6	5.4	3.3	6.1	10.8	11.5	9.2	6.5	7.6	14.5
15	4.5	S	5.5	4.7	6.6	6.1	6.9	13.4	11.0	10.3	5.8	6.4	11.4	5.1	1.6	1.3	1.2	1.8	2.1	6.6	8.2	12.8	13.4	12.0	6.9	13.4
16	11.1	S	11.5	11.0	9.9	9.9	22.2	12.9	8.6	7.3	7.5	3.7	4.3	16.3	7.1	6.1	2.8	2.0	5.3	5.7	10.4	11.5	15.4	14.4	9.4	22.2
17	13.1	S	8.8	10.6	12.3	10.5	10.1	13.3	9.9	6.6	9.5	2.8	1.8	1.8	2.4	5.8	5.0	2.2	5.8	21.8	14.4	11.4	14.5	18.7	9.3	21.8
18	13.6	S	11.8	11.1	9.5	12.8	14.2	15.2	12.5	11.1	11.7	3.9	2.9	6.0	4.2	6.1	6.2	5.3	4.0	10.4	5.8	5.5	9.0	6.5	8.7	15.2
19	6.7	S	3.4	4.8	7.5	11.0	14.7	13.3	10.9	13.0	5.7	16.2	14.0	7.3	10.3	7.9	10.1	4.9	3.4	8.6	5.7	7.8	9.9	9.0	9.0	16.2
20	8.9	S	19.5	14.3	13.7	13.3	9.8	4.7	5.1	10.9	8.8	4.0	5.6	1.4	1.3	1.1	4.1	3.9	5.8	7.1	6.2	8.0	10.5	4.1	7.5	19.5
21	10.5	S	4.6	4.0	6.3	7.4	20.7	12.8	10.5	6.0	1.8	1.4	3.3	2.3	3.1	1.5	1.8	3.4	4.3	7.5	6.0	6.3	3.6	6.4	5.9	20.7
22	3.3	S	4.8	9.3	6.9	11.2	10.9	11.2	6.0	9.1	3.2	1.9	3.9	2.9	1.0	4.0	4.6	2.1	1.6	2.3	2.2	3.2	1.5	1.2	4.7	11.2
23	2.0	S	2.0	1.3	1.1	1.3	7.1	7.5	6.8	7.3	3.2	2.2	5.7	3.7	1.8	0.9	0.7	1.0	3.2	3.9	9.5	5.3	4.1	5.4	3.8	9.5
24	7.3	S	7.4	8.2	8.8	9.1	12.0	11.8	2.0	1.2	1.4	3.2	3.4	3.5	3.9	2.6	4.4	5.8	2.8	3.2	15.1	11.8	6.2	5.9	6.1	15.1
25	7.8	S	5.4	11.4	8.7	6.4	6.0	12.2	13.6	10.7	6.6	11.8	12.7	6.1	4.3	4.1	8.9	5.3	3.0	8.6	6.0	14.6	9.4	7.9	8.3	14.6
26	6.6	S	14.0	5.7	9.4	9.3	13.4	10.3	10.7	10.2	14.0	13.0	15.6	16.9	17.3	19.1	18.1	12.0	12.3	8.5	8.0	5.0	3.3	3.0	11.1	19.1
27	5.9	S	1.7	2.7	4.7	4.1	3.9	4.0	4.9	2.5	4.3	2.9	1.3	3.7	5.9	2.7	2.5	1.1	1.1	1.6	1.6	1.0	1.3	2.9	3.0	5.9
28	1.5	S	1.7	0.9	1.9	1.7	4.5	4.1	4.1	1.5	1.7	1.2	1.0	0.9	0.9	1.7	3.8	2.9	2.3	4.9	10.8	4.2	4.5	5.2	3.0	10.8
29	3.8	S	10.5	9.3	8.7	9.4	9.0	13.1	11.5	9.6	8.6	16.2	20.7	18.5	6.6	7.8	4.8	6.8	2.7	2.4	3.7	7.3	7.9	4.1	8.8	20.7
30	3.5	S	3.7	7.2	11.6	11.4	14.7	15.2	20.2	17.3	16.3	12.5	11.6	8.8	9.4	8.0	7.3	10.6	4.4	7.0	4.2	2.2	1.7	3.3	9.2	20.2
NO.	30	-	30	30	30	30	30	30	30	30	29	29	29	29	28	29	30	30	30	30	30	30	30	30	683	100%
MEAN	8.1	-	8.6	8.4	9.1	9.4	11.9	11.5	10.4	10.4	8.9	7.9	8.6	6.6	5.1	5.4	5.8	4.9	4.8	7.7	7.7	7.5	8.6	8.2		
MAX	16.1	-	19.5	15.1	14.0	18.4	22.2	15.5	20.2	19.7	20.0	17.5	23.1	18.5	17.3	19.9	18.1	12.0	12.3	21.8	16.7	14.6	25.8	18.7		



Number of 1HR Exceedences	0
Number of Non-Zero Readings	683
Maximum 1-HR Average	25.8 PPB
Maximum 24-HR Average	12.8 PPB
Monthly Calibration	6
Standard Deviation	4.7
Operational Time	719 HRS
Operational Uptime	99.9 %
Monthly Average	8.1 PPB

Lagoon NOx (ppb) – September 2025

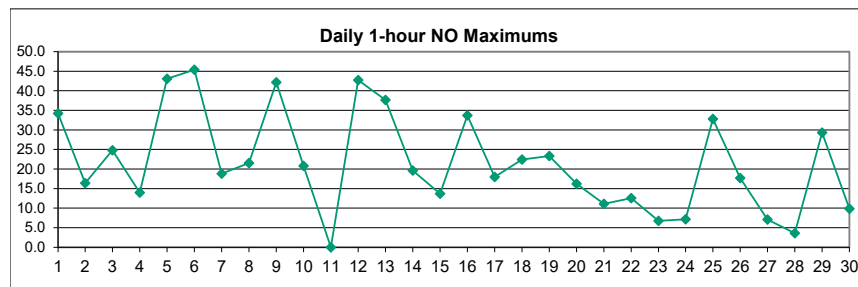
Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	18.8	S	9.7	9.0	25.2	34.1	50.2	49.2	45.7	36.0	31.7	5.1	6.9	11.8	11.4	6.8	1.7	2.4	4.2	1.7	3.0	7.5	40.9	22.5	18.9	50.2
2	21.9	S	18.3	7.6	3.3	6.8	19.7	16.4	14.3	32.6	33.7	16.7	8.6	5.3	8.7	7.9	5.1	7.1	6.8	4.5	5.3	5.4	13.7	10.2	12.2	33.7
3	7.7	S	19.3	23.2	27.4	14.8	29.0	41.8	44.1	44.1	26.4	13.9	30.4	21.5	P	11.9	8.2	12.4	11.5	32.4	26.0	26.6	26.7	13.3	23.3	44.1
4	9.9	S	8.3	11.8	16.5	26.5	12.3	18.2	10.0	11.8	7.9	18.3	7.7	13.8	4.9	2.6	4.1	6.0	6.2	10.2	12.9	6.4	9.1	19.2	11.1	26.5
5	5.7	S	8.4	11.5	16.0	13.2	25.9	27.5	53.9	44.5	32.8	28.7	10.8	3.9	3.5	7.0	9.5	8.1	2.8	28.5	6.4	8.8	8.3	6.4	16.2	53.9
6	9.4	S	18.6	41.0	32.8	29.6	47.1	53.8	26.0	44.4	64.9	38.6	16.5	13.6	3.3	7.1	6.6	3.1	5.9	6.6	6.1	5.8	6.9	8.3	21.6	64.9
7	10.7	S	14.4	17.1	28.2	12.5	31.2	17.0	8.1	10.2	7.4	5.0	12.2	2.1	1.7	1.9	13.5	7.5	3.9	2.4	6.8	3.4	4.9	14.2	10.3	31.2
8	12.9	S	12.6	13.8	10.0	15.3	19.2	29.5	37.1	26.0	9.9	14.7	14.3	12.9	17.6	6.9	4.1	4.7	5.8	9.3	3.8	8.1	10.5	11.4	13.5	37.1
9	10.6	S	18.3	15.2	18.2	27.2	51.5	50.5	52.7	55.2	41.4	22.1	14.2	5.3	16.6	41.1	13.8	1.3	5.3	17.3	17.2	8.6	12.8	10.5	22.9	55.2
10	11.6	S	20.7	14.2	25.7	21.3	24.0	33.7	25.4	15.9	9.1	19.2	9.9	4.3	3.4	2.4	8.9	7.2	2.4	18.3	7.4	8.3	12.8	13.4	13.9	33.7
11	9.7	S	17.5	20.9	20.8	16.2	26.9	36.2	45.6	50.4	C	C	C	C	C	C	3.1	15.0	16.1	27.5	26.1	12.4	6.3	11.8	-	-
12	16.0	S	15.1	36.8	37.4	54.3	42.0	57.9	59.8	47.1	30.7	19.0	47.7	32.6	10.5	7.9	4.4	7.4	16.4	11.1	9.1	13.7	9.6	7.7	25.8	59.8
13	5.4	S	2.6	6.2	10.2	6.3	9.4	26.4	23.7	51.0	35.8	25.3	26.9	2.3	2.4	9.8	12.0	4.6	6.2	7.3	13.7	5.3	11.1	20.1	14.1	51.0
14	21.4	S	25.9	10.3	8.7	13.1	15.1	30.9	7.2	20.2	18.8	7.5	9.1	1.0	5.2	2.1	20.0	6.2	2.9	6.0	17.9	15.3	12.4	10.4	12.5	30.9
15	5.3	S	8.4	6.0	9.3	6.6	9.4	26.5	18.0	16.2	7.8	8.0	15.2	6.0	1.5	1.1	0.9	1.5	1.9	9.7	9.5	17.2	16.0	13.3	9.4	26.5
16	13.2	S	15.1	16.8	15.3	18.1	55.5	41.2	41.5	27.3	22.1	6.1	6.3	31.3	11.7	7.6	3.0	1.7	6.2	5.8	16.8	14.8	16.4	16.4	17.8	55.5
17	13.9	S	10.5	17.9	25.8	19.5	17.5	30.8	24.3	13.5	20.5	3.5	1.9	1.8	2.8	7.8	5.9	2.0	7.8	29.0	19.6	12.2	15.0	18.8	14.0	30.8
18	14.7	S	15.2	17.4	12.5	22.0	26.2	31.8	33.7	32.9	20.1	5.0	3.5	8.0	5.0	7.3	7.1	5.2	3.9	12.2	5.5	5.7	8.7	6.4	13.5	33.7
19	7.2	S	4.0	7.5	9.9	12.3	22.1	25.5	22.5	35.9	8.7	31.2	23.5	9.2	15.3	9.9	11.5	4.8	3.2	9.0	5.4	7.8	9.8	9.2	13.3	35.9
20	10.3	S	35.2	23.5	26.8	20.6	15.9	5.9	8.7	21.2	15.2	5.7	7.5	1.2	1.2	0.8	4.7	4.0	5.7	7.2	6.2	10.3	12.1	3.8	11.0	35.2
21	16.5	S	4.4	3.8	6.8	7.6	31.3	15.5	13.2	6.8	1.7	1.3	3.3	2.1	3.1	1.2	1.5	3.2	5.7	9.7	6.7	6.8	3.7	7.7	7.1	31.3
22	3.2	S	4.7	13.8	8.0	14.0	12.6	18.0	9.6	21.2	4.6	2.5	6.1	4.2	1.0	6.8	6.4	2.2	1.6	2.0	2.0	3.7	1.2	1.0	6.5	21.2
23	1.9	S	1.8	1.1	0.8	1.1	13.4	13.2	12.2	12.1	4.8	3.1	10.1	5.5	2.2	0.9	0.6	0.8	4.1	4.3	13.7	5.5	3.9	5.4	5.3	13.7
24	11.3	S	7.3	9.2	12.2	12.8	18.7	16.9	2.2	1.2	1.7	4.4	5.1	4.6	5.1	3.2	5.6	6.9	2.6	3.2	19.5	11.7	6.0	5.6	7.7	19.5
25	8.0	S	6.2	20.7	25.6	38.8	36.3	30.8	35.7	26.5	10.0	20.2	22.5	8.1	5.4	4.5	13.2	5.9	2.9	9.0	5.8	18.9	12.7	8.9	16.4	38.8
26	6.5	S	18.3	5.6	11.0	9.7	14.4	12.1	17.4	18.1	25.9	23.5	28.8	31.4	33.4	36.3	32.1	19.1	17.9	11.4	11.5	7.1	3.6	3.3	17.3	36.3
27	12.5	S	1.6	2.7	6.1	5.0	4.6	4.5	7.1	3.7	8.7	4.7	1.7	6.6	11.9	3.8	3.0	1.0	0.9	1.5	1.7	0.8	1.2	2.7	4.3	12.5
28	1.3	S	2.0	0.8	1.8	1.9	5.0	7.3	4.9	1.5	1.8	1.2	1.0	0.8	0.7	1.8	4.7	3.7	2.1	6.3	12.7	4.1	4.3	5.1	3.3	12.7
29	3.6	S	11.2	9.3	8.9	10.3	10.5	23.8	21.1	19.5	16.7	36.0	49.6	30.2	9.3	10.2	6.4	9.9	2.7	2.3	4.0	9.1	9.3	3.9	13.8	49.6
30	3.4	S	3.2	7.8	15.5	12.9	16.6	19.0	27.3	23.1	22.5	17.5	20.9	11.4	13.8	11.6	9.6	17.6	4.5	9.0	4.5	2.1	1.5	3.3	12.1	27.3
NO.	30	-	30	30	30	30	30	30	30	30	29	29	29	29	28	29	30	30	30	30	30	30	30	30	683	100%
MEAN	10.2	-	12.0	13.4	15.9	16.8	23.8	27.1	25.1	25.7	18.7	14.1	14.6	10.1	7.6	7.9	7.7	6.1	5.7	10.5	10.2	9.1	10.4	9.8		
MAX	21.9	-	35.2	41.0	37.4	54.3	55.5	57.9	59.8	55.2	64.9	38.6	49.6	32.6	33.4	41.1	32.1	19.1	17.9	32.4	26.1	26.6	40.9	22.5		



Number of Non-Zero Readings	683		
Maximum 1-HR Average	64.9 PPB		
Maximum 24-HR Average	25.8 PPB		
Monthly Calibration	6	Operational Time	719 HRS
Standard Deviation	11.8	Operational Uptime	99.9 %
		Monthly Average	13.6 PPB

Lagoon NO (ppb) – September 2025

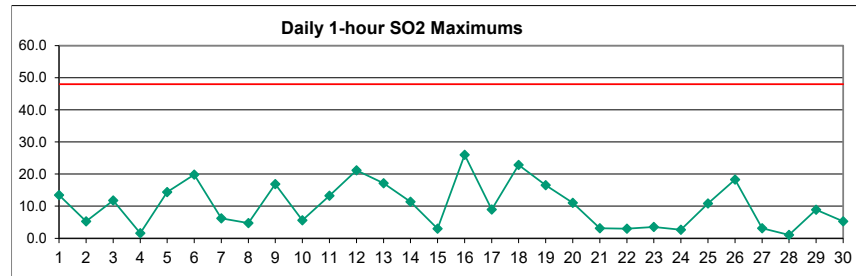
HOUR																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	8.4	S	0.8	2.0	13.8	21.1	33.0	34.2	31.8	21.0	17.5	1.4	1.5	2.6	2.4	1.5	0.4	0.5	0.5	0.3	0.4	1.5	15.5	5.7	9.5	34.2
2	6.3	S	5.8	1.4	0.5	1.6	6.5	5.6	5.7	16.4	15.7	5.0	2.2	1.0	3.3	2.8	0.7	0.6	0.6	0.5	0.6	0.7	0.8	3.0	3.8	16.4
3	0.5	S	7.0	10.9	13.9	5.5	15.8	23.9	24.7	24.8	13.2	4.3	10.5	4.7	P	5.2	0.7	1.7	1.5	17.3	11.8	15.2	14.7	4.1	10.5	24.8
4	1.7	S	1.0	2.4	3.4	11.9	2.3	7.3	2.3	5.5	2.5	8.3	2.8	6.3	2.6	1.0	1.1	1.5	0.9	1.4	4.7	1.0	3.7	14.0	3.9	14.0
5	2.8	S	1.5	3.1	5.1	3.3	15.7	19.5	43.0	32.3	21.2	15.6	4.4	1.5	1.4	2.6	3.2	1.8	0.6	13.4	0.6	0.8	0.7	0.6	8.5	43.0
6	0.7	S	8.6	27.2	20.1	17.5	32.8	38.7	16.2	30.1	45.4	21.5	6.3	5.2	0.8	1.8	2.0	1.1	1.0	0.6	0.7	0.5	0.6	0.7	12.2	45.4
7	0.7	S	5.6	8.5	16.0	6.9	18.8	9.9	3.9	5.8	3.3	2.1	5.6	0.7	0.5	0.5	3.8	1.3	0.5	0.4	1.5	0.6	1.6	3.7	4.4	18.8
8	4.2	S	5.7	6.2	4.5	6.2	8.7	16.3	21.5	13.9	4.7	6.6	6.0	4.2	8.3	2.3	1.1	1.0	1.4	5.1	0.5	1.6	1.4	2.5	5.8	21.5
9	3.4	S	9.8	8.1	10.3	18.4	39.7	39.3	40.7	42.1	28.7	12.6	5.5	1.9	7.4	21.6	4.3	0.4	0.9	8.7	11.6	0.6	1.0	0.9	13.8	42.1
10	2.0	S	8.2	4.0	14.3	10.0	11.1	20.8	15.6	8.7	3.8	8.8	3.5	1.2	1.0	0.7	2.4	3.5	0.3	5.7	1.8	0.6	1.8	1.9	5.7	20.8
11	0.6	S	2.9	7.1	7.6	4.1	11.3	22.1	30.2	35.0	C	C	C	C	C	C	0.8	7.5	7.9	10.6	9.9	2.1	0.4	0.7	-	-
12	4.8	S	5.9	22.2	24.1	36.3	26.5	40.9	42.8	32.8	18.2	10.8	24.9	14.8	3.6	2.0	0.7	1.5	6.4	2.9	2.1	5.9	2.1	2.4	14.6	42.8
13	1.9	S	0.5	2.8	5.3	3.1	4.4	18.4	15.7	37.7	23.4	14.3	15.0	0.7	0.6	4.0	5.0	0.8	0.7	1.0	2.7	0.3	1.8	5.6	7.2	37.7
14	7.4	S	13.4	3.9	3.0	6.1	7.8	19.6	3.2	12.3	10.0	3.2	3.3	0.2	1.3	0.4	6.9	1.2	0.0	0.4	7.7	4.3	3.7	4.3	5.4	19.6
15	1.2	S	3.4	1.7	3.2	1.0	3.0	13.7	7.6	6.6	2.5	2.2	4.4	1.4	0.4	0.3	0.2	0.1	0.2	3.6	1.8	4.9	3.1	1.8	3.0	13.7
16	2.6	S	4.2	6.3	6.0	8.9	33.7	28.8	33.3	20.5	15.2	2.8	2.5	15.4	4.9	2.0	0.6	0.2	1.3	0.5	7.0	3.8	1.4	2.5	8.9	33.7
17	1.2	S	2.1	7.8	14.0	9.5	7.9	17.9	14.9	7.4	11.5	1.1	0.6	0.5	0.9	2.5	1.4	0.3	2.4	7.7	5.7	1.3	1.0	0.6	5.2	17.9
18	1.6	S	3.9	6.8	3.5	9.7	12.4	17.1	21.6	22.4	9.0	1.6	0.9	2.5	1.2	1.7	1.3	0.4	0.3	2.3	0.2	0.7	0.3	0.4	5.3	22.4
19	0.9	S	1.0	3.2	2.9	1.8	7.9	12.6	12.1	23.4	3.5	15.6	10.0	2.5	5.5	2.5	1.9	0.4	0.3	1.0	0.2	0.5	0.5	0.7	4.8	23.4
20	1.9	S	16.2	9.7	13.6	7.8	6.6	1.7	4.1	10.9	6.9	2.2	2.4	0.3	0.3	0.2	1.1	0.6	0.3	0.6	0.4	2.7	2.1	0.1	4.0	16.2
21	6.5	S	0.3	0.2	0.9	0.6	11.1	3.2	3.2	1.2	0.3	0.3	0.5	0.2	0.4	0.2	0.2	0.2	1.8	2.7	1.2	1.0	0.6	1.8	1.7	11.1
22	0.3	S	0.4	5.0	1.6	3.4	2.3	7.3	4.2	12.6	2.0	1.0	2.7	1.7	0.5	3.3	2.3	0.6	0.4	0.2	0.2	0.9	0.2	0.2	2.3	12.6
23	0.4	S	0.3	0.2	0.1	0.3	6.8	6.2	5.9	5.4	2.1	1.4	4.9	2.2	0.9	0.4	0.3	0.2	1.3	0.8	4.7	0.7	0.2	0.4	2.0	6.8
24	4.4	S	0.4	1.5	3.9	4.2	7.2	5.7	0.6	0.4	0.7	1.7	2.2	1.6	1.6	1.0	1.7	1.5	0.2	0.3	4.9	0.4	0.3	0.1	2.0	7.2
25	0.7	S	1.2	9.8	17.5	32.8	30.6	19.0	22.5	16.3	3.9	9.0	10.4	2.5	1.5	0.9	4.7	1.0	0.3	0.9	0.3	4.8	3.8	1.4	8.5	32.8
26	0.4	S	4.8	0.3	2.1	0.9	1.5	2.3	7.2	8.5	12.5	11.1	13.7	15.0	16.6	17.7	14.5	7.6	6.1	3.5	4.1	2.5	0.8	0.8	6.7	17.7
27	7.1	S	0.3	0.4	1.9	1.3	1.2	1.0	2.7	1.6	4.9	2.4	0.8	3.4	6.6	1.6	1.0	0.3	0.2	0.4	0.6	0.2	0.3	0.2	1.8	7.1
28	0.2	S	0.7	0.2	0.3	0.6	0.9	3.6	1.2	0.4	0.5	0.4	0.4	0.3	0.2	0.5	1.4	1.2	0.2	1.9	2.4	0.4	0.2	0.3	0.8	3.6
29	0.2	S	1.2	0.5	0.7	1.4	2.0	11.2	10.2	10.6	8.7	20.3	29.3	12.2	3.2	2.9	2.1	3.6	0.4	0.3	0.7	2.3	1.9	0.3	5.5	29.3
30	0.4	S	0.0	1.0	4.4	2.0	2.4	4.2	7.6	6.3	6.7	5.5	9.9	3.2	4.9	4.0	2.8	7.5	0.6	2.5	0.7	0.3	0.2	0.4	3.4	9.9
NO.	30	-	30	30	30	30	30	30	30	30	29	29	29	29	28	29	30	30	30	30	30	30	30	30	683	100%
MEAN	2.5	-	3.9	5.5	7.3	7.9	12.4	15.7	15.2	15.8	10.3	6.7	6.5	3.8	3.0	3.0	2.3	1.7	1.3	3.2	3.1	2.1	2.2	2.1		
MAX	8.4	-	16.2	27.2	24.1	36.3	39.7	40.9	43.0	42.1	45.4	21.5	29.3	15.4	16.6	21.6	14.5	7.6	7.9	17.3	11.8	15.2	15.5	14.0		



Number of Non-Zero Readings	682		
Maximum 1-HR Average	45.4 PPB		
Maximum 24-HR Average	14.6 PPB		
Monthly Calibration	6	Operational Time	719 HRS
Standard Deviation	8.24	Operational Uptime	99.9 %
		Monthly Average	6.0 PPB

Lagoon SO₂ (ppb) – September 2025

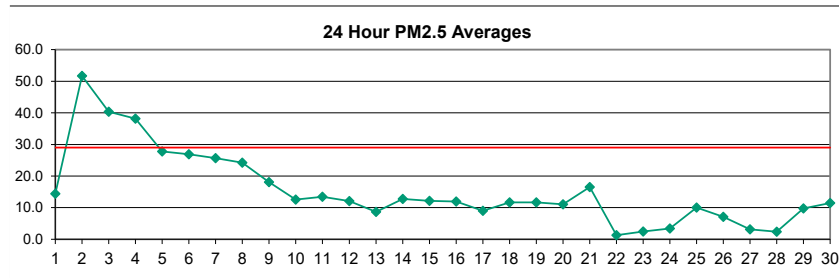
Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.4	S	0.3	0.6	3.2	7.2	10.4	12.9	13.5	9.8	10.6	1.3	2.1	4.3	4.5	2.0	2.6	1.6	1.5	1.0	0.9	1.0	1.1	0.8	4.1	13.5
2	0.7	S	0.4	0.2	0.3	0.3	0.5	0.8	0.6	5.3	4.8	1.7	1.3	2.0	1.3	1.0	0.8	0.7	0.7	0.5	0.4	0.2	0.3	0.2	1.1	5.3
3	0.2	S	1.5	2.3	4.0	2.0	2.6	4.6	9.0	11.8	4.3	1.9	5.0	0.0	P	4.5	0.9	1.2	0.9	0.9	0.7	0.6	0.4	0.3	2.7	11.8
4	0.5	S	0.7	1.1	1.6	1.4	1.1	1.0	0.8	0.6	0.4	0.5	0.5	0.8	0.5	0.5	0.3	0.4	0.3	0.5	0.3	0.2	0.3	0.4	0.6	1.6
5	0.4	S	0.3	0.4	0.6	0.4	1.8	2.0	9.4	8.0	14.0	14.4	3.5	1.5	1.2	1.3	1.1	1.0	1.1	1.0	0.7	0.5	0.5	0.5	2.9	14.4
6	0.6	S	2.6	7.5	6.2	6.3	8.8	13.8	7.3	12.1	19.8	12.9	5.1	5.2	1.6	2.6	2.2	0.9	1.5	1.6	1.4	1.0	0.9	0.9	5.3	19.8
7	0.8	S	2.5	2.9	5.6	2.9	6.2	3.0	2.7	3.8	3.6	1.8	2.8	0.6	0.6	0.5	0.5	1.3	1.1	1.1	0.8	0.6	0.5	0.6	2.0	6.2
8	0.7	S	0.7	1.7	1.9	2.9	3.9	4.0	4.7	4.4	2.7	2.6	1.6	0.7	0.8	0.7	0.7	0.5	0.5	0.9	0.7	0.6	0.5	0.8	1.7	4.7
9	1.2	S	2.2	2.6	2.9	3.9	8.9	9.6	14.9	16.9	12.0	5.2	2.8	1.2	3.3	11.9	2.4	0.4	0.7	1.1	1.1	0.8	0.9	0.9	4.7	16.9
10	1.0	S	3.0	1.8	1.9	2.1	1.4	3.2	4.7	2.0	1.0	5.6	2.6	1.4	1.2	1.2	1.1	1.0	1.0	1.2	1.0	0.9	0.7	0.6	1.8	5.6
11	0.7	S	0.8	1.3	1.8	1.4	1.3	3.4	7.7	13.2	C	C	C	C	1.4	1.3	0.6	1.1	1.2	1.0	0.9	0.6	0.5	0.4	2.1	13.2
12	1.8	S	2.7	8.3	8.4	12.8	10.0	11.5	21.2	16.3	9.5	6.7	16.4	9.7	1.7	1.1	1.3	1.3	1.7	2.8	3.6	1.5	1.8	1.3	6.7	21.2
13	1.1	S	0.5	1.2	1.2	1.0	1.1	4.3	5.7	17.1	16.0	11.3	14.5	1.0	0.5	1.5	2.2	1.4	1.2	1.3	1.5	1.0	1.0	2.9	3.9	17.1
14	3.3	S	7.9	3.9	2.2	4.9	5.3	11.4	4.2	7.8	8.7	3.7	3.9	0.9	1.4	1.1	5.9	1.4	0.9	1.1	3.9	2.2	2.2	2.0	3.9	11.4
15	1.6	S	3.0	2.4	0.8	0.6	1.2	1.1	1.6	0.7	0.6	0.8	2.1	1.0	0.6	0.5	0.3	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.9	3.0
16	0.2	S	0.2	0.6	0.4	1.0	1.5	3.3	9.7	10.1	10.2	2.0	2.4	26.0	7.5	7.5	1.1	1.0	0.7	0.8	0.7	0.5	0.3	0.9	3.9	26.0
17	0.6	S	0.7	2.4	5.3	3.0	3.1	8.9	9.0	4.9	7.7	0.6	0.5	0.5	1.7	0.4	0.5	0.1	0.9	1.0	0.8	0.6	0.4	0.4	2.3	9.0
18	1.3	S	4.0	5.2	2.3	2.5	4.9	7.5	10.9	22.8	8.3	5.0	3.3	2.1	1.3	2.7	3.1	2.3	1.7	1.5	1.2	0.8	0.4	0.4	4.2	22.8
19	0.5	S	0.2	0.3	0.2	0.4	1.0	2.1	3.3	7.7	1.9	16.5	12.9	3.7	2.9	4.4	2.2	1.7	1.1	0.9	0.5	0.6	0.6	0.9	2.9	16.5
20	1.9	S	9.7	8.3	11.0	7.4	7.2	2.5	2.3	9.1	8.8	0.9	1.7	0.4	0.5	0.5	1.1	0.5	0.5	0.6	0.6	0.6	1.0	1.1	3.4	11.0
21	1.7	S	2.3	2.3	2.2	1.6	1.4	1.2	3.2	1.3	0.7	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.9	2.6	1.1	0.5	0.3	0.4	1.2	3.2
22	0.3	S	0.4	1.1	1.3	1.5	1.0	2.2	2.0	2.0	0.7	0.9	1.5	0.8	0.3	3.0	1.6	0.5	0.5	0.4	0.4	0.2	0.2	0.2	1.0	3.0
23	0.2	S	0.2	0.3	0.4	0.3	1.0	1.5	3.0	3.5	0.8	0.4	1.5	2.6	0.4	0.2	0.1	0.3	0.5	0.5	0.6	0.5	0.5	0.4	0.9	3.5
24	0.5	S	0.5	1.3	2.6	1.3	1.0	0.8	0.6	0.7	0.6	0.9	1.1	1.0	1.2	1.1	1.5	1.5	0.5	0.5	0.4	0.2	0.2	0.1	0.9	2.6
25	0.3	S	0.2	0.5	0.5	0.9	0.8	0.7	2.8	4.6	1.2	8.0	7.9	0.8	0.9	0.8	7.2	3.3	1.0	3.7	1.6	10.8	1.5	1.2	2.7	10.8
26	1.0	S	4.4	0.6	0.5	0.7	0.5	0.7	6.0	8.1	10.0	14.5	14.3	15.6	16.5	18.3	17.1	13.0	9.0	5.4	3.6	2.1	0.6	0.9	7.1	18.3
27	0.8	S	0.7	0.7	1.5	0.6	0.6	0.9	0.9	0.8	2.9	1.6	0.5	2.2	3.1	0.7	0.6	0.6	0.5	0.6	0.7	0.7	0.5	0.5	1.0	3.1
28	0.3	S	0.1	0.3	0.3	0.3	0.6	0.5	0.5	0.4	0.4	0.7	0.7	0.6	0.5	0.7	1.1	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.5	1.1
29	0.4	S	0.3	0.5	0.5	0.6	0.3	0.5	0.6	0.6	0.7	4.7	4.0	8.9	3.7	4.1	1.4	2.4	1.0	1.1	1.0	0.8	0.7	1.1	1.7	8.9
30	0.8	S	0.4	1.9	4.2	1.8	0.5	0.6	0.6	0.7	1.9	2.4	3.6	2.6	5.3	1.1	0.9	0.8	0.7	0.9	0.6	0.5	0.5	0.5	1.5	5.3
NO.	30	-	30	30	30	30	30	30	30	30	29	29	29	29	29	30	30	30	30	30	30	30	30	30	685	100%
MEAN	0.9	-	1.8	2.2	2.5	2.5	3.0	4.0	5.4	6.9	5.7	4.5	4.2	3.4	2.3	2.6	2.1	1.5	1.1	1.2	1.1	1.1	0.7	0.7		
MAX	3.3	-	9.7	8.3	11.0	12.8	10.4	13.8	21.2	22.8	19.8	16.5	16.4	26.0	16.5	18.3	17.1	13.0	9.0	5.4	3.9	10.8	2.2	2.9		



Number of 1HR Exceedences	0
Number of Non-Zero Readings	682
Maximum 1-HR Average	26.0 PPB
Maximum 24-HR Average	7.1 PPB
Monthly Calibration	4
Standard Deviation	3.75
Operational Time	719 HRS
Operational Uptime	99.9 %
Monthly Average	2.7 PPB

Lagoon PM_{2.5} (µg/m³) – September 2025

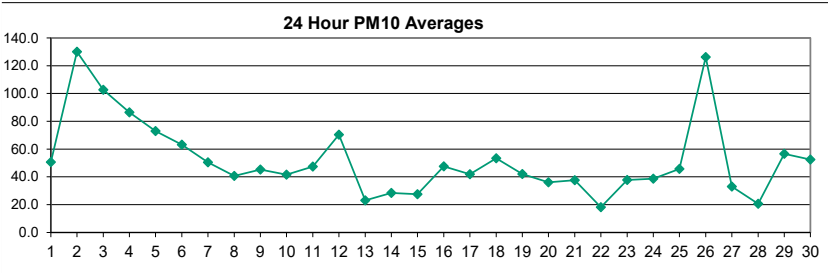
Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	19.5	21.0	15.9	17.4	9.9	11.9	18.0	17.4	13.6	13.1	16.2	17.0	11.8	9.6	12.5	17.5	13.1	15.8	15.0	10.3	10.1	10.1	13.8	15.4	14.4	21.0
2	16.8	13.2	13.5	38.0	42.9	26.2	26.5	35.5	27.7	18.5	41.1	41.3	49.6	86.9	104.7	84.0	87.0	77.9	72.6	72.2	64.3	69.4	65.5	64.9	51.7	104.7
3	45.7	53.5	58.1	56.8	51.1	47.0	40.1	P	P	38.0	36.0	30.1	28.3	36.9	P	P	46.5	36.9	34.3	32.4	30.0	34.0	35.6	35.4	40.3	58.1
4	44.1	50.8	50.6	44.1	34.9	29.4	36.1	38.6	43.9	48.4	49.6	35.7	30.6	36.9	37.3	41.3	39.1	34.8	30.6	33.4	36.6	33.2	27.9	28.2	38.2	50.8
5	32.7	29.2	28.1	27.4	29.7	31.3	24.4	34.1	30.6	35.8	37.6	29.1	32.0	29.0	27.6	22.8	21.0	26.4	18.3	21.3	30.4	24.4	21.4	22.4	27.8	37.6
6	24.1	26.5	24.0	20.8	28.4	25.2	29.9	32.1	38.0	31.3	30.3	30.4	31.4	35.2	28.4	19.7	24.4	21.5	19.9	20.5	23.0	22.5	29.3	29.2	26.9	38.0
7	28.3	27.0	30.2	19.5	21.8	24.0	24.1	29.1	26.5	27.2	21.8	25.3	22.6	25.0	27.5	35.0	35.2	37.4	21.1	19.1	22.6	21.4	23.5	20.5	25.7	37.4
8	25.2	27.2	22.7	31.5	20.7	19.0	24.5	23.3	23.5	29.1	23.0	27.3	27.4	31.5	29.8	22.8	22.1	19.4	22.9	18.4	23.2	21.1	20.7	24.9	24.2	31.5
9	20.4	20.2	27.1	21.6	23.6	23.7	19.6	24.9	24.3	27.1	19.4	22.4	19.3	16.3	11.7	15.0	16.5	11.7	6.5	10.1	17.9	11.4	13.0	10.6	18.1	27.1
10	12.0	13.7	18.9	12.2	9.2	12.4	14.3	16.5	12.2	14.9	10.6	13.0	13.5	11.3	14.0	13.8	11.3	12.7	14.2	13.3	13.3	9.9	6.0	8.5	12.6	18.9
11	9.0	17.5	15.2	18.4	13.5	13.0	13.8	18.1	16.6	16.9	16.7	13.7	16.1	12.4	15.8	11.1	9.3	10.6	10.7	7.5	11.4	14.0	10.5	10.4	13.4	18.4
12	8.9	11.1	12.8	11.6	12.6	10.4	13.8	11.6	P	13.6	13.4	13.0	11.8	14.4	12.3	24.7	6.0	10.7	12.0	14.1	11.2	11.5	10.1	6.5	12.1	24.7
13	7.0	5.5	5.3	4.6	4.3	6.3	5.2	4.0	9.8	10.3	14.5	12.6	6.9	9.0	9.1	11.7	12.7	10.6	6.1	6.8	10.7	13.4	11.7	10.2	8.7	14.5
14	12.6	12.9	11.4	15.5	10.9	9.5	15.6	10.4	12.2	10.8	11.1	14.5	16.8	15.5	16.7	20.0	9.2	15.0	10.6	10.6	9.4	11.6	11.9	12.0	12.8	20.0
15	9.3	8.0	11.1	10.6	9.8	11.7	12.9	14.8	16.0	15.2	13.2	13.8	11.3	14.7	14.0	10.2	7.0	6.9	9.7	11.1	13.3	15.3	15.0	16.3	12.1	16.3
16	11.5	10.5	15.2	15.5	16.6	14.2	11.4	11.9	15.9	14.0	12.4	15.7	12.9	11.6	14.1	8.0	4.8	4.6	6.8	6.8	11.4	13.9	13.1	13.8	11.9	16.6
17	11.8	15.1	12.3	8.7	10.9	12.5	8.8	10.5	11.9	14.3	12.3	10.2	7.8	7.0	5.9	4.9	8.9	7.4	4.1	3.9	6.7	6.0	4.7	8.7	9.0	15.1
18	7.4	9.5	10.1	11.2	12.1	11.4	12.5	12.3	13.6	14.8	18.2	14.3	9.4	10.5	9.5	10.3	10.2	13.0	10.6	9.6	9.6	13.5	14.1	12.1	11.7	18.2
19	11.0	11.6	8.1	6.0	5.9	11.5	13.1	12.7	14.6	12.0	12.6	8.1	9.4	8.8	12.2	14.7	16.0	12.6	13.1	11.4	11.7	11.4	14.6	15.8	11.6	16.0
20	15.0	16.0	11.6	15.4	13.3	11.9	9.9	10.7	10.3	12.0	10.2	9.5	8.7	7.8	8.1	8.9	8.3	8.2	5.7	8.4	10.9	13.6	14.0	17.6	11.1	17.6
21	19.8	19.9	21.2	22.5	26.0	25.6	17.6	22.5	18.6	15.4	18.7	15.5	19.9	11.3	15.4	18.3	22.9	24.1	22.1	7.3	4.9	4.7	1.8	0.5	16.5	26.0
22	2.4	4.7	5.7	2.6	0.2	2.2	1.8	0.0	0.3	1.3	6.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.4
23	0.0	0.0	3.8	0.4	0.0	0.0	0.0	2.8	2.8	3.0	3.4	C	C	C	C	C	0.0	0.0	0.0	0.0	4.4	6.9	5.9	12.8	2.4	12.8
24	8.4	4.6	3.1	3.6	6.6	5.2	4.3	7.3	6.1	3.0	1.4	0.3	0.0	2.1	2.1	0.2	2.9	4.0	2.4	0.6	2.0	3.7	3.7	4.2	3.4	8.4
25	4.4	6.6	8.2	6.0	5.9	5.3	4.3	3.8	5.6	9.4	10.6	6.0	6.1	13.6	22.4	23.1	18.6	19.0	15.2	11.3	14.1	8.1	7.7	5.9	10.0	23.1
26	4.1	X	5.7	3.7	3.2	2.0	1.4	4.4	4.8	7.1	10.7	8.4	15.6	14.9	12.5	14.4	12.3	9.6	5.8	8.7	9.1	4.7	0.5	0.0	7.1	15.6
27	0.0	X	3.3	3.3	2.1	0.3	0.0	0.0	2.0	3.3	3.2	2.6	1.8	2.2	3.2	5.4	2.9	0.7	6.2	6.5	3.8	3.7	6.1	8.7	3.1	8.7
28	10.5	X	3.9	2.6	1.3	0.0	0.0	0.0	0.0	2.1	1.5	0.0	0.0	0.0	0.0	0.0	0.8	3.6	5.8	4.9	2.9	2.7	6.0	5.5	2.4	10.5
29	5.1	X	3.6	3.7	5.8	7.9	7.1	8.3	7.9	9.4	12.4	11.0	17.6	16.8	11.4	8.6	8.0	6.4	11.0	11.3	13.7	16.4	11.7	9.7	9.8	17.6
30	14.3	X	23.4	22.3	13.5	13.9	12.4	14.2	17.1	19.8	25.1	16.9	18.1	12.2	8.7	7.0	4.4	4.5	2.8	1.4	2.6	5.4	3.7	0.0	11.5	25.1
NO.	30	25	30	30	30	30	30	29	28	30	30	29	29	29	28	28	30	30	30	30	30	30	30	30	705	99%
MEAN	14.7	17.4	16.1	15.9	14.9	14.2	14.1	14.9	15.2	16.4	17.1	15.9	15.7	17.4	17.4	16.9	16.0	15.5	13.9	13.1	14.5	14.6	14.1	14.4		
MAX	45.7	53.5	58.1	56.8	51.1	47.0	40.1	38.6	43.9	48.4	49.6	41.3	49.6	86.9	104.7	84.0	87.0	77.9	72.6	72.2	64.3	69.4	65.5	64.9		



Number of 24HR Exceedences	3
Number of Non-Zero Readings	668
Maximum 1-HR Average	104.7 UG/M3
Maximum 24-HR Average	51.7 UG/M3
Monthly Calibration	5
Standard Deviation	13.3
Operational Time	710 HRS
Operational Uptime	98.6 %
Monthly Average	15.4 UG/M3

Lagoon PM10 (µg/m³) – September 2025

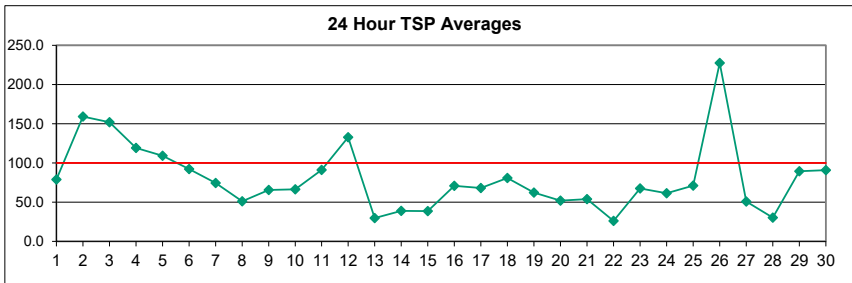
Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	34.5	31.2	65.9	44.2	30.4	53.8	51.4	51.0	76.5	63.8	33.5	62.6	32.0	20.9	37.0	63.9	102.5	147.8	51.1	22.1	42.9	20.8	32.6	41.3	50.6	147.8
2	46.3	45.7	38.5	60.3	66.3	42.4	48.4	69.5	79.5	80.4	478.3	124.5	200.8	242.7	378.8	151.6	197.8	138.1	112.6	97.1	93.0	121.3	107.9	99.3	130.1	478.3
3	63.1	69.4	75.0	82.2	72.4	129.3	67.3	P	P	240.9	161.3	111.7	144.1	185.2	P	P	169.8	109.4	77.2	57.4	51.6	57.8	65.8	62.6	102.7	240.9
4	49.1	86.6	67.3	70.7	55.0	65.0	81.6	84.3	187.4	153.4	185.7	63.3	59.7	98.1	144.8	102.5	96.7	95.9	57.1	63.4	67.0	53.8	44.0	40.2	86.4	187.4
5	45.0	47.5	44.6	41.2	46.6	48.0	38.1	106.3	75.4	121.1	104.1	79.1	65.7	110.1	143.8	118.7	118.8	99.3	59.4	49.1	64.8	48.0	37.1	39.3	73.0	143.8
6	41.8	47.3	82.0	56.1	52.2	52.2	55.1	70.7	175.3	53.7	58.4	71.5	70.5	106.7	54.1	26.8	111.5	54.7	28.5	53.6	52.3	53.9	37.5	47.7	63.1	175.3
7	56.9	57.9	91.9	47.3	51.3	60.6	56.6	55.2	56.9	48.3	44.8	45.1	38.3	39.2	35.8	43.7	37.0	49.6	52.0	37.0	100.2	39.3	32.7	33.7	50.5	100.2
8	35.4	34.2	39.3	45.6	44.7	27.9	37.5	35.7	42.2	49.9	33.0	36.7	43.8	77.7	82.7	46.2	35.9	33.8	42.6	28.0	28.4	29.4	34.5	32.4	40.7	82.7
9	29.6	35.0	29.9	38.8	28.4	35.2	37.2	49.0	58.9	56.6	66.7	62.9	50.7	43.7	28.0	115.5	88.1	81.6	18.9	24.3	31.7	18.8	25.6	29.7	45.2	115.5
10	22.9	21.3	46.8	51.4	52.2	18.9	69.6	89.2	74.9	42.2	47.5	37.4	50.2	35.8	31.0	46.1	30.7	40.2	39.7	25.2	46.9	42.4	20.2	16.2	41.6	89.2
11	22.5	38.4	32.9	41.6	33.3	33.1	39.5	52.9	61.4	38.6	81.3	49.8	31.3	44.9	90.6	82.9	38.5	70.3	76.2	70.8	44.7	22.2	15.3	22.9	47.3	90.6
12	56.6	39.9	82.9	38.7	72.7	42.8	70.0	59.8	P	99.3	111.9	88.9	49.3	66.3	50.3	328.5	29.3	99.1	75.2	40.4	34.7	20.6	36.9	22.5	70.3	328.5
13	18.8	14.6	13.4	12.8	12.6	18.0	19.3	25.6	23.0	23.4	36.6	30.4	32.6	38.1	14.5	21.1	31.7	36.2	14.2	16.5	25.0	22.7	22.6	27.9	23.0	38.1
14	32.3	29.8	26.3	31.3	20.1	18.8	23.3	23.7	30.6	21.4	30.6	25.4	19.2	26.8	24.2	42.1	32.4	54.0	35.1	27.9	29.4	33.0	25.0	19.1	28.4	54.0
15	15.4	18.1	24.1	18.4	18.6	24.0	25.1	24.0	44.5	41.8	46.7	28.3	32.4	35.3	31.7	20.8	16.2	21.3	17.8	22.1	30.8	39.7	29.7	31.3	27.4	46.7
16	31.0	27.7	26.8	41.0	56.2	46.8	34.1	66.1	72.3	62.5	75.2	97.7	32.1	66.2	116.1	29.4	17.2	15.9	23.9	29.7	52.6	45.4	35.4	40.1	47.6	116.1
17	37.0	32.4	29.0	28.9	47.5	27.9	30.1	41.2	57.9	87.6	68.1	94.0	26.5	48.2	22.1	33.2	44.2	39.7	13.8	19.5	70.1	49.9	30.6	27.4	41.9	94.0
18	17.1	39.4	48.5	37.0	36.0	35.3	39.8	75.7	84.2	84.9	71.1	88.8	36.6	31.0	79.0	53.7	66.2	66.0	46.2	35.1	49.6	65.8	60.3	34.6	53.4	88.8
19	39.1	31.4	32.7	26.0	34.6	36.8	48.7	45.9	53.0	40.9	44.6	29.4	38.4	32.2	39.2	94.3	43.2	54.3	45.1	38.1	42.0	32.7	40.8	43.5	42.0	94.3
20	31.7	35.3	28.5	41.4	29.3	38.4	31.2	36.6	30.6	33.7	42.4	56.2	33.1	36.3	21.1	26.3	32.7	27.2	21.5	27.0	28.8	50.5	67.3	60.0	36.1	67.3
21	60.7	45.4	52.3	48.1	42.9	39.3	42.1	77.2	52.4	34.0	43.6	34.5	31.8	29.3	29.9	35.4	38.5	37.1	46.4	33.1	28.6	8.1	7.3	5.8	37.7	77.2
22	12.9	18.5	15.8	8.6	20.2	10.5	12.6	17.6	17.8	9.4	32.0	18.5	8.1	30.5	38.5	9.0	42.4	28.1	21.6	18.2	9.5	9.6	14.1	11.3	18.1	42.4
23	10.7	7.9	21.0	18.6	15.9	20.1	14.3	25.9	34.9	38.9	79.9	C	C	C	C	C	31.3	20.6	17.4	20.3	59.3	29.3	61.8	187.4	37.7	187.4
24	96.8	33.4	41.1	35.3	30.9	19.6	27.0	54.3	65.6	35.6	11.2	22.4	22.0	70.0	46.0	33.7	94.7	37.8	24.5	15.2	19.9	27.2	37.2	25.1	38.6	96.8
25	24.1	32.8	24.8	25.8	21.6	18.7	35.1	49.6	46.8	58.3	49.0	35.7	53.6	71.3	88.9	78.7	56.3	52.3	37.2	33.0	81.5	31.8	57.9	33.5	45.8	88.9
26	29.8	33.7	56.1	38.9	23.1	14.0	26.3	51.2	45.1	173.2	376.8	196.0	349.4	267.1	262.3	361.4	133.0	109.3	60.5	115.7	188.7	45.0	40.8	31.7	126.2	376.8
27	26.6	22.1	95.6	22.4	10.6	12.6	15.4	15.6	35.5	32.5	25.1	26.2	19.7	26.2	59.3	50.5	28.3	22.6	79.8	90.5	39.5	10.9	12.3	12.5	33.0	95.6
28	125.8	19.0	8.5	5.5	3.2	5.4	4.7	7.0	12.6	8.3	6.2	23.5	14.2	19.1	16.3	19.7	16.8	21.7	23.1	14.6	27.8	30.7	22.7	37.3	20.6	125.8
29	29.0	18.2	24.7	23.3	23.7	19.1	29.3	22.2	36.9	53.3	38.9	47.1	95.7	71.7	177.1	92.6	66.7	52.9	48.6	68.0	71.3	156.0	58.0	32.5	56.5	177.1
30	38.4	70.3	55.4	32.7	29.4	38.3	27.7	37.2	40.8	120.5	156.5	95.8	69.4	66.7	110.0	60.0	29.3	23.4	17.0	32.9	44.8	29.9	20.4	12.8	52.5	156.5
NO.	30	30	30	30	30	30	30	29	28	30	30	29	29	29	28	28	30	30	30	30	30	30	30	30	710	99%
MEAN	39.4	36.1	44.1	37.1	36.1	35.1	37.9	49.0	59.7	66.9	88.0	61.5	60.4	70.3	80.5	78.2	62.6	58.0	42.8	40.9	51.9	41.5	37.8	38.7		
MAX	125.8	86.6	95.6	82.2	72.7	129.3	81.6	106.3	187.4	240.9	478.3	196.0	349.4	267.1	378.8	361.4	197.8	147.8	112.6	115.7	188.7	156.0	107.9	187.4		



Number of Non-Zero Readings	710		
Maximum 1-HR Average	478.3 UG/M3		
Maximum 24-HR Average	130.1 UG/M3		
Monthly Calibration	5	Operational Time	715 HRS
Standard Deviation	47.4	Operational Uptime	99.3 %
		Monthly Average	52.1 UG/M3

Lagoon TSP (µg/m³) – September 2025

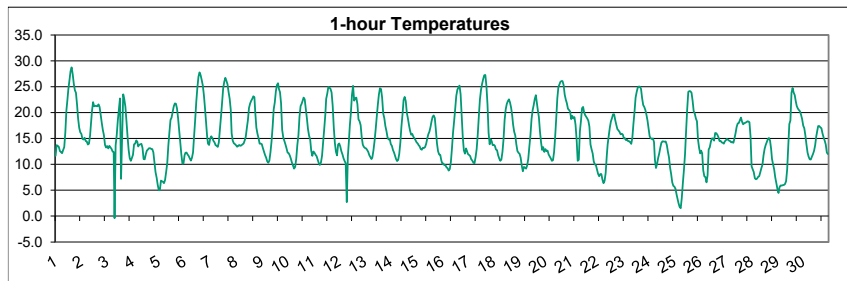
Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	63.0	53.6	96.4	69.9	36.4	70.5	71.2	71.3	109.5	94.4	43.1	88.7	40.2	33.8	50.9	112.5	172.7	285.6	84.4	30.4	62.3	31.3	56.6	69.1	79.1	285.6
2	62.4	60.2	46.8	70.6	81.2	59.2	61.7	94.8	115.3	131.7	X	216.5	379.8	369.8	561.5	176.0	276.2	155.5	126.8	116.9	111.2	151.0	120.0	119.6	159.3	561.5
3	70.1	78.3	77.7	101.1	90.3	183.4	78.5	P	P	363.6	299.9	186.1	316.8	P	P	P	347.1	186.9	113.0	80.4	74.4	72.4	86.3	83.7	152.1	363.6
4	65.8	98.5	96.7	90.7	72.8	89.1	107.6	114.0	271.6	229.9	274.9	90.6	84.2	127.8	207.3	135.6	141.9	138.0	75.6	84.0	84.6	61.7	61.1	56.1	119.2	274.9
5	57.9	74.0	61.0	49.5	65.0	50.9	55.7	177.4	116.0	163.3	180.7	124.5	101.6	179.8	221.6	190.3	207.7	144.3	87.8	61.4	86.2	67.4	50.1	50.0	109.3	221.6
6	43.1	59.7	116.8	76.3	68.3	69.5	73.4	85.5	285.1	82.7	81.6	86.9	122.0	177.6	96.0	51.8	198.5	88.4	41.7	77.6	68.7	68.1	47.9	48.8	92.3	285.1
7	74.8	78.0	150.6	68.7	69.2	83.5	83.1	75.5	75.7	72.9	54.1	66.7	56.3	52.5	42.4	49.5	58.0	64.6	78.1	72.4	212.5	71.8	44.7	31.1	74.4	212.5
8	39.1	X	35.4	52.5	43.5	34.7	42.7	49.0	53.7	56.1	52.8	45.5	55.8	97.8	112.3	55.7	57.4	42.7	49.1	42.4	44.5	39.1	39.3	35.8	51.2	112.3
9	44.5	39.1	37.5	41.7	35.9	38.4	40.3	53.1	65.5	57.0	90.9	89.4	82.2	66.5	60.2	222.3	162.4	137.2	22.7	35.5	45.8	29.9	45.2	34.2	65.7	222.3
10	37.4	55.4	73.1	79.2	77.6	23.3	95.0	140.7	119.8	69.8	76.0	49.2	82.9	61.3	39.8	85.0	56.6	58.7	90.7	31.3	74.1	66.2	21.5	32.3	66.5	140.7
11	34.2	71.1	65.6	62.7	54.7	40.9	47.0	57.0	92.4	60.6	129.4	64.3	42.3	58.5	181.4	207.3	81.1	155.8	292.7	194.5	89.7	42.4	17.7	42.9	91.1	292.7
12	107.0	75.4	156.5	69.1	117.8	64.8	100.4	92.0	P	152.3	218.0	178.7	80.6	112.1	118.2	838.5	44.7	174.2	122.2	51.1	64.9	23.9	60.2	34.7	132.9	838.5
13	13.7	23.6	12.2	19.5	19.0	19.2	30.3	26.3	32.8	32.3	35.8	36.9	26.7	60.8	25.1	22.8	42.9	61.6	16.8	26.7	30.3	35.8	31.2	34.0	29.9	61.6
14	48.7	55.3	36.0	42.6	26.8	34.9	30.3	23.7	23.5	27.9	25.2	36.2	26.3	34.9	26.5	58.4	46.1	79.2	46.0	41.7	44.9	47.5	43.1	27.2	38.9	79.2
15	30.5	36.9	36.2	28.0	32.8	32.1	45.8	30.4	60.0	49.5	59.1	40.1	55.3	53.8	58.5	34.3	18.3	19.7	28.7	29.5	34.3	46.6	31.5	36.5	38.7	60.0
16	34.8	19.7	31.1	45.9	64.9	49.5	41.8	101.1	120.2	75.8	123.4	162.3	52.3	120.1	225.9	39.6	26.8	20.8	36.2	45.6	77.9	73.2	43.8	69.8	70.9	225.9
17	58.0	59.3	52.1	39.5	65.8	44.7	51.5	63.7	83.3	185.3	143.0	147.1	35.0	65.0	33.6	37.6	67.2	68.7	24.7	41.9	121.6	70.6	44.6	30.3	68.1	185.3
18	22.7	61.3	68.6	61.4	47.9	39.0	51.0	115.5	115.3	118.0	106.6	164.1	59.1	54.6	138.6	86.9	109.7	108.7	61.6	56.1	56.5	108.8	81.5	49.1	80.9	164.1
19	40.3	53.7	43.6	31.2	35.1	40.4	56.0	52.6	69.2	56.1	67.0	31.8	55.9	47.1	51.9	302.5	64.8	89.7	46.7	55.8	65.3	45.5	45.1	46.1	62.2	302.5
20	45.9	35.3	50.1	49.2	48.3	49.1	35.5	59.8	36.7	26.6	61.0	83.4	53.1	50.9	39.3	40.7	48.1	33.1	22.8	45.3	44.1	77.0	106.5	105.5	52.0	106.5
21	105.1	91.8	81.4	71.4	55.0	46.0	45.6	105.6	79.8	50.9	56.7	42.5	41.5	36.0	44.8	44.0	52.8	50.4	65.3	44.3	29.1	21.6	15.3	18.4	54.0	105.6
22	18.2	7.6	13.1	14.6	16.0	10.1	15.9	22.2	20.6	23.7	49.3	19.6	21.4	44.2	62.6	20.3	78.4	46.3	33.9	24.0	14.6	15.8	17.7	19.5	26.2	78.4
23	18.1	22.3	37.5	18.5	26.8	32.4	21.9	43.8	61.3	112.1	168.3	C	C	C	C	C	56.3	28.6	25.3	36.9	99.8	57.7	108.2	308.9	67.6	308.9
24	165.6	48.4	75.9	54.6	38.8	34.9	29.1	98.1	100.3	56.3	11.2	37.3	35.5	123.1	90.1	58.2	148.3	60.0	33.9	23.1	29.0	46.0	54.2	23.6	61.5	165.6
25	34.7	54.7	30.3	29.6	39.3	42.0	40.0	84.8	61.0	69.5	57.1	36.7	75.9	118.3	139.4	135.1	85.4	83.5	70.6	48.4	142.5	58.0	108.4	62.7	71.2	142.5
26	54.3	66.8	100.9	80.1	27.1	25.5	44.9	77.5	79.5	296.1	750.5	364.6	652.7	463.7	452.2	671.6	228.5	196.1	100.6	227.2	314.8	78.3	66.3	44.5	227.7	750.5
27	43.9	37.2	142.7	41.0	22.7	35.3	19.4	19.3	48.7	51.6	32.8	37.3	33.9	42.5	85.4	84.5	39.7	46.3	124.9	105.9	53.1	23.4	22.1	26.8	50.8	142.7
28	173.1	38.0	13.2	8.6	16.5	8.2	8.0	17.6	17.7	12.3	16.3	15.6	19.0	30.1	21.5	31.4	32.5	28.8	35.4	23.4	33.4	41.4	34.3	49.1	30.2	173.1
29	34.0	34.6	23.0	23.7	36.4	27.7	30.1	24.1	47.0	60.5	48.1	49.0	190.8	137.3	359.0	161.2	116.0	84.8	76.7	102.2	113.5	248.2	77.6	43.4	89.5	359.0
30	61.1	114.3	86.6	35.6	52.7	52.8	46.9	52.1	61.2	269.4	290.9	155.5	123.2	111.3	186.4	103.3	44.6	47.7	28.8	53.0	88.7	57.4	40.7	16.8	90.9	290.9
NO.	30	29	30	30	30	30	30	29	28	30	29	29	29	28	28	28	30	30	30	30	30	30	30	30	707	99%
MEAN	56.7	55.3	64.9	50.9	49.5	47.7	50.0	69.9	86.5	103.6	124.3	94.7	103.5	104.7	133.3	144.9	103.7	92.9	68.8	63.6	80.4	62.6	54.1	55.0		
MAX	173.1	114.3	156.5	101.1	117.8	183.4	107.6	177.4	285.1	363.6	750.5	364.6	652.7	463.7	561.5	838.5	347.1	285.6	292.7	227.2	314.8	248.2	120.0	308.9		



Number of 24HR Exceedences	6
Number of Non-Zero Readings	707
Maximum 1-HR Average	838.5 UG/M3
Maximum 24-HR Average	227.7 UG/M3
Monthly Calibration	5
Standard Deviation	82.3
Operational Time	712 HRS
Operational Uptime	98.9 %
Monthly Average	79.6 UG/M3

Lagoon Temperature (°C) – September 2025

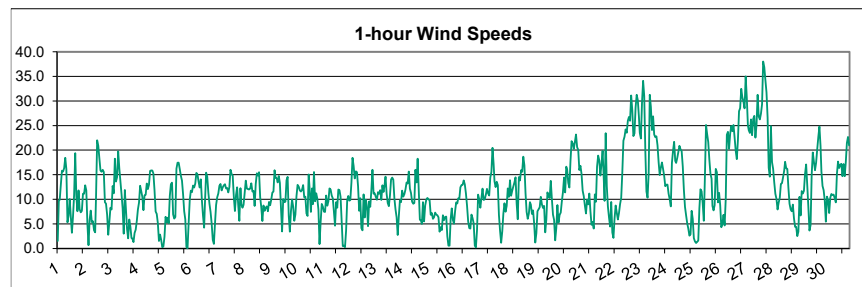
HOUR																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	11.7	13.7	13.6	13.4	12.6	12.4	12.2	12.8	13.3	16.2	20.5	22.2	24.5	26.2	28.0	28.7	27.4	25.6	24.3	23.8	21.6	18.8	17.1	16.2	19.0	28.7
2	15.9	14.9	14.8	15.1	14.5	14.4	13.8	14.0	15.5	17.7	20.3	22.0	21.2	21.3	21.3	21.2	21.6	21.1	19.6	18.0	16.6	15.7	13.8	13.2	17.4	22.0
3	13.5	13.1	13.6	13.3	13.0	12.5	12.4	-0.4	13.7	15.7	18.4	20.6	22.7	7.2	P	23.5	22.6	21.1	18.3	15.4	12.8	11.2	10.7	11.2	14.6	23.5
4	11.9	13.9	14.0	14.6	14.4	13.5	13.8	13.9	14.0	13.2	11.0	11.0	11.9	12.7	12.9	13.1	13.1	13.0	12.9	12.3	10.4	8.5	7.5	6.1	12.2	14.6
5	5.0	5.0	6.9	6.7	6.6	6.3	7.0	8.6	10.2	13.6	16.2	18.6	19.1	20.1	21.2	21.8	21.7	20.8	19.0	16.6	14.3	12.0	10.1	10.2	13.2	21.8
6	11.8	12.2	12.3	11.9	11.6	11.2	10.7	11.3	12.3	15.6	18.7	22.1	24.8	27.0	27.8	27.2	26.3	25.3	23.4	20.9	18.2	15.4	14.0	13.7	17.7	27.8
7	15.0	15.4	15.1	14.6	14.2	13.7	13.6	13.4	14.3	16.8	19.3	22.0	24.7	26.0	26.7	26.1	25.5	24.0	22.6	20.5	16.0	14.6	14.1	13.9	18.4	26.7
8	13.7	13.4	13.5	13.7	13.6	13.6	13.9	14.0	14.6	15.3	17.0	18.5	20.9	21.7	22.3	22.7	23.2	23.0	20.0	17.1	16.0	15.1	14.0	14.0	16.9	23.2
9	13.9	13.2	12.5	11.8	11.3	10.6	10.3	10.7	12.3	14.4	17.3	20.6	22.0	24.1	25.3	25.7	24.6	23.9	21.8	16.7	15.2	14.5	13.9	13.1	16.7	25.7
10	12.3	12.2	11.7	11.1	10.3	9.8	9.2	9.5	11.1	13.8	15.6	19.2	21.3	21.7	22.2	22.9	22.6	20.7	18.9	16.9	15.5	14.9	12.7	11.7	15.3	22.9
11	12.5	12.3	11.8	11.6	10.9	10.2	9.9	10.4	11.7	14.3	16.9	19.6	22.7	23.7	25.0	24.8	24.6	23.9	21.4	17.2	14.2	12.4	11.7	13.8	16.1	25.0
12	14.0	13.5	12.5	12.0	11.2	10.7	10.2	2.7	11.6	14.6	17.5	20.0	23.4	25.2	22.3	22.7	22.9	21.7	18.7	18.3	17.6	15.2	13.8	13.4	16.1	25.2
13	13.2	13.1	12.8	12.4	11.8	11.4	11.0	11.4	12.7	14.5	16.6	19.1	21.4	23.4	24.7	24.5	22.9	19.8	19.0	17.4	16.4	15.2	14.8	15.0	16.4	24.7
14	13.9	13.6	12.8	12.3	11.6	11.1	10.6	10.8	12.0	14.2	17.3	19.6	22.4	23.0	22.2	20.0	18.9	17.6	16.5	15.7	15.9	15.4	15.1	14.7	15.7	23.0
15	14.2	14.0	13.6	13.5	12.9	12.8	13.2	13.2	13.3	14.0	15.0	15.8	16.3	17.2	18.3	19.2	19.5	19.0	16.6	14.0	12.5	11.9	11.9	10.8	14.7	19.5
16	10.1	10.2	9.8	9.9	9.4	9.3	8.8	9.1	10.4	13.1	16.1	18.3	20.7	23.2	24.4	24.9	25.2	23.5	19.4	15.2	12.7	12.1	13.1	12.6	15.1	25.2
17	12.0	11.8	11.6	11.0	10.7	10.3	10.2	11.4	12.9	15.7	19.2	22.5	24.4	25.5	26.5	27.2	27.3	25.2	21.6	16.1	13.9	14.9	14.5	13.7	17.1	27.3
18	13.8	13.6	12.9	12.7	11.8	11.1	10.7	10.9	12.4	14.9	18.6	20.6	21.7	22.2	22.6	22.0	20.9	19.4	17.7	16.3	15.6	13.9	12.6	12.2	15.9	22.6
19	12.0	11.3	9.8	8.6	9.5	9.4	9.2	9.8	11.1	13.4	15.6	18.7	20.4	21.4	22.7	23.4	22.1	20.5	19.1	16.4	14.2	12.8	13.3	12.4	14.9	23.4
20	13.0	12.6	12.7	11.9	11.5	11.1	10.7	10.8	12.4	15.3	18.9	22.8	25.0	25.5	25.9	26.1	26.1	25.3	23.5	22.5	21.8	20.8	20.5	20.2	18.6	26.1
21	18.8	19.4	18.9	19.1	17.6	14.8	10.7	10.9	16.4	18.4	20.8	21.1	20.2	19.5	19.2	18.9	18.5	17.3	13.8	12.9	12.1	10.6	10.0	9.8	16.2	21.1
22	9.0	8.2	7.7	8.1	8.1	7.1	6.4	6.8	8.4	11.6	13.8	15.5	17.1	18.3	18.9	19.7	19.7	18.6	17.6	16.8	16.6	16.3	15.8	15.9	13.4	19.7
23	15.8	15.0	15.1	14.7	14.8	14.5	14.5	14.2	14.0	15.1	17.8	20.2	22.9	24.0	24.8	25.1	25.0	24.6	22.8	21.5	21.1	20.5	19.6	18.5	19.0	25.1
24	16.9	15.4	15.0	14.9	15.0	14.3	10.9	9.3	10.1	11.2	12.1	13.3	14.2	14.5	14.4	14.4	14.4	13.7	12.4	11.4	9.4	8.1	6.5	5.8	12.4	16.9
25	5.7	5.3	4.2	3.4	2.5	1.8	1.5	3.5	6.4	9.0	12.0	16.5	20.7	24.0	24.2	24.1	23.8	22.3	20.3	19.8	18.9	18.3	14.7	13.2	13.2	24.2
26	12.1	12.6	12.1	8.8	7.7	7.5	6.5	7.9	12.9	13.3	14.4	15.0	15.0	14.6	16.1	16.0	15.7	15.3	14.5	14.5	14.2	14.2	14.0	14.4	12.9	16.1
27	14.6	14.9	14.8	14.6	14.5	14.2	14.3	14.2	15.0	16.0	17.2	17.9	18.0	18.5	19.0	18.3	17.7	18.0	18.0	18.1	18.3	18.3	18.2	15.4	16.6	19.0
28	9.6	9.0	8.5	7.3	7.1	7.2	7.6	7.7	8.4	9.3	9.9	11.7	13.0	13.7	14.3	14.9	15.1	14.6	13.0	11.1	10.0	9.1	7.5	6.4	10.3	15.1
29	5.2	4.5	5.6	6.0	5.9	6.0	6.0	6.2	6.7	9.0	13.5	17.8	18.5	23.8	24.8	23.9	23.4	22.4	21.3	20.8	20.5	20.3	19.6	18.8	14.6	24.8
30	17.5	17.0	15.6	13.8	12.3	11.5	11.0	10.9	11.5	12.0	12.6	13.7	15.4	16.5	17.4	17.4	17.2	17.0	16.0	15.2	14.6	13.8	12.3	12.0	14.3	17.5
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	719	100%
MEAN	12.6	12.5	12.2	11.8	11.3	10.8	10.4	10.0	12.1	14.0	16.3	18.6	20.2	20.9	21.9	22.0	21.6	20.6	18.8	17.0	15.6	14.5	13.6	13.1		
MAX	18.8	19.4	18.9	19.1	17.6	14.8	14.5	14.2	16.4	18.4	20.8	22.8	25.0	27.0	28.0	28.7	27.4	25.6	24.3	23.8	21.8	20.8	20.5	20.2		



Number of Non-Zero Readings	719
Maximum 1-HR Average	28.7 C
Maximum 24-HR Average	19.0 C
Monthly Calibration	0
Standard Deviation	5.21
Operational Time	719 HRS
Operational Uptime	99.9 %
Monthly Average	15.5 C

Lagoon Wind Speed (km/hr) – September 2025

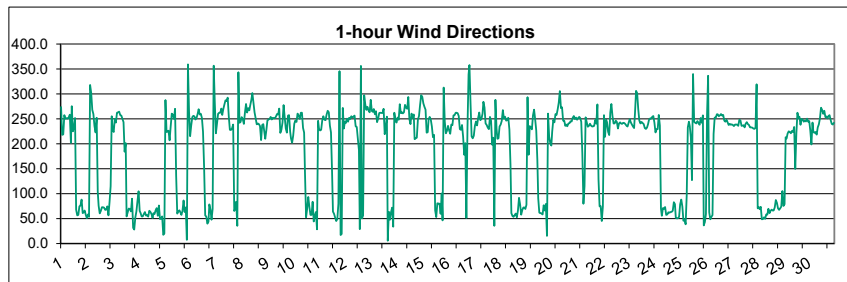
Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	1.5	9.7	9.9	12.9	15.8	15.6	16.3	18.5	16.1	5.3	6.7	10.1	6.5	3.2	6.5	10.9	19.4	10.6	7.6	11.8	8.0	7.3	7.6	11.1	10.4	19.4
2	11.1	12.9	11.8	5.0	0.7	5.8	7.7	5.3	5.5	3.7	3.3	10.6	22.0	20.9	18.4	15.9	15.6	16.0	15.5	9.4	9.1	6.9	2.8	5.4	10.0	22.0
3	8.3	7.9	12.7	11.2	18.3	13.6	14.5	19.8	16.3	13.6	11.1	8.2	3.0	11.9	P	3.9	2.1	5.9	4.5	2.1	2.0	1.3	3.1	3.8	8.7	19.8
4	5.6	7.9	9.3	12.8	11.7	10.5	7.8	10.8	10.9	13.2	12.1	13.0	15.8	15.9	15.8	15.2	11.8	7.5	7.0	5.2	1.5	2.8	1.7	0.3	9.4	15.9
5	0.4	2.4	6.4	5.3	6.3	5.1	10.7	13.1	13.4	6.9	6.1	6.4	16.2	17.5	17.4	16.2	14.8	13.8	11.0	7.6	5.9	0.3	0.0	5.0	8.7	17.5
6	9.8	11.8	11.4	12.8	12.4	13.2	15.4	15.0	13.6	12.4	14.1	9.7	6.6	4.2	9.6	15.4	14.6	11.4	9.1	7.4	5.1	1.7	0.9	5.0	10.1	15.4
7	8.8	10.4	11.2	12.7	13.1	11.8	12.4	12.8	13.1	12.2	12.3	11.4	12.5	16.0	15.1	14.8	10.6	7.6	10.8	12.4	8.8	5.6	12.2	9.0	11.6	16.0
8	8.3	8.9	11.3	13.8	12.2	12.1	12.0	12.2	13.3	11.6	11.7	8.7	13.1	15.3	14.8	15.5	10.5	8.4	5.6	8.7	7.6	8.3	8.6	7.6	10.8	15.5
9	9.4	8.8	9.9	11.4	11.6	15.9	14.3	14.3	13.5	14.7	13.3	8.2	3.4	10.1	9.4	9.5	13.9	14.5	6.6	3.4	7.6	10.0	8.5	5.6	10.3	15.9
10	6.9	10.7	12.9	12.6	11.8	11.6	11.9	12.9	10.4	10.5	7.1	6.6	15.1	11.6	7.4	12.2	9.0	15.6	9.6	11.2	10.1	7.9	0.9	5.3	10.1	15.6
11	9.1	8.5	7.5	7.4	10.8	8.7	9.5	12.2	12.0	10.8	10.2	7.5	4.6	9.4	8.3	12.0	11.8	10.5	5.5	0.5	0.6	0.3	3.7	9.9	8.0	12.2
12	10.7	9.7	9.8	13.4	18.4	16.8	14.2	15.7	15.5	12.6	7.7	10.2	4.2	3.7	11.0	6.3	9.9	8.6	4.5	9.6	8.5	11.8	16.0	11.1	10.8	18.4
13	11.2	10.5	9.9	11.4	11.1	11.9	9.9	12.9	11.5	13.0	14.6	11.1	9.2	8.6	10.8	14.0	14.4	14.0	10.2	8.0	6.3	2.8	6.6	9.8	10.6	14.6
14	9.4	11.8	10.6	11.0	12.0	13.4	13.2	15.6	12.2	11.3	9.5	9.1	9.2	16.0	13.4	18.2	11.8	5.9	5.7	5.0	9.4	5.5	8.7	9.9	10.7	18.2
15	10.3	10.0	9.8	6.8	7.2	6.0	6.4	7.3	6.9	6.7	6.3	3.4	4.3	3.7	6.8	5.7	6.4	6.5	2.4	0.6	0.6	5.9	8.1	5.8	6.0	10.3
16	5.0	7.6	9.4	9.1	10.2	10.0	12.5	12.9	12.9	13.8	13.0	11.2	8.7	5.5	4.1	4.1	6.9	6.2	5.1	0.6	0.2	3.7	10.9	10.0	8.1	13.8
17	8.3	10.3	12.1	9.9	10.0	11.0	12.1	11.2	10.8	14.4	15.5	20.5	17.2	13.7	12.5	13.6	12.9	6.8	3.6	1.1	3.5	7.1	9.2	7.5	10.6	20.5
18	8.6	12.2	10.5	13.9	10.7	11.8	12.6	13.4	14.5	9.1	5.9	14.5	13.8	15.9	15.6	18.7	16.9	11.3	7.4	6.0	7.1	9.4	8.9	7.0	11.5	18.7
19	7.8	5.1	1.2	3.1	7.6	8.0	8.4	10.5	9.0	8.2	8.7	3.3	5.9	11.4	10.7	10.3	13.7	10.1	6.9	5.8	1.7	4.2	8.8	5.3	7.3	13.7
20	6.9	7.3	9.5	11.5	14.4	11.4	16.6	16.1	13.3	12.4	17.8	21.8	21.4	20.2	21.7	23.2	20.6	20.1	16.0	16.8	15.1	11.8	10.6	8.7	15.2	23.2
21	7.1	9.9	9.0	11.2	7.6	4.8	5.4	4.1	11.0	9.5	16.7	18.9	17.9	14.8	17.2	19.8	15.7	9.7	23.4	12.6	8.5	6.3	4.5	9.5	11.5	23.4
22	3.2	2.1	6.1	8.7	7.3	5.9	7.2	9.1	10.3	15.4	21.9	22.7	24.2	23.6	26.0	26.7	26.0	31.1	28.2	22.9	23.4	28.7	31.3	30.2	18.4	31.3
23	26.8	23.5	22.3	29.7	34.1	31.0	19.8	11.6	10.3	15.2	31.3	28.8	24.1	26.9	23.2	22.7	22.8	21.0	17.6	14.9	16.4	17.5	16.2	14.8	21.8	34.1
24	12.7	13.0	13.0	11.1	10.0	8.5	17.4	19.9	21.7	17.8	17.4	18.4	19.6	20.9	20.2	19.8	16.7	11.9	8.4	6.8	5.1	4.0	2.6	2.9	13.3	21.7
25	7.6	6.0	2.1	1.4	1.1	1.3	1.6	8.2	12.0	11.6	9.1	5.6	14.7	25.1	23.3	21.6	18.1	15.2	14.2	8.7	7.7	8.8	16.2	15.5	10.7	25.1
26	9.4	11.3	8.8	4.3	5.0	6.9	4.7	10.0	23.1	23.7	20.2	23.3	24.9	23.9	25.1	22.6	19.9	18.2	22.0	27.9	28.5	32.5	30.8	29.8	19.0	32.5
27	28.5	35.0	30.8	25.1	24.0	23.5	26.3	23.0	26.3	27.0	22.6	25.2	31.3	26.8	26.2	27.4	29.4	38.0	36.9	34.3	31.8	26.7	16.4	14.6	27.4	38.0
28	24.9	17.5	16.2	13.4	11.1	10.1	7.9	9.3	10.3	13.1	13.3	14.5	15.9	17.6	16.3	16.2	12.3	9.1	8.0	7.5	8.9	6.2	4.4	4.4	12.0	24.9
29	2.5	3.4	10.5	6.7	11.7	11.2	11.7	15.1	17.1	12.9	8.5	3.6	4.7	15.0	19.5	17.7	15.9	17.4	20.1	22.7	24.8	20.8	15.7	12.7	13.4	24.8
30	11.9	9.8	5.5	10.5	9.9	7.2	10.3	11.1	10.9	10.9	10.2	9.4	15.2	17.7	16.4	17.0	17.2	14.7	17.2	14.7	17.6	21.5	22.7	21.0	13.8	22.7
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	719	100%
MEAN	9.7	10.5	10.7	11.0	11.6	11.2	11.7	12.8	13.3	12.5	12.6	12.5	13.5	14.9	15.3	15.6	14.7	13.3	11.7	10.2	9.7	9.6	10.0	10.0		
MAX	28.5	35.0	30.8	29.7	34.1	31.0	26.3	23.0	26.3	27.0	31.3	28.8	31.3	26.9	26.2	27.4	29.4	38.0	36.9	34.3	31.8	32.5	31.3	30.2		



Number of Non-Zero Readings	719
Maximum 1-HR Average	38.0 KM/HR
Maximum 24-HR Average	27.4 KM/HR
Monthly Calibration	0
Standard Deviation	6.7
Operational Time	719 HRS
Operational Uptime	99.9 %
Monthly Average	12.0 KM/HR

Lagoon Wind Direction (°) – September 2025

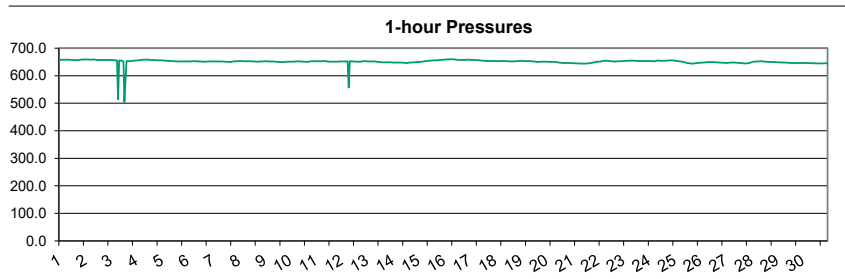
Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	273.5	217.8	218.7	257.3	250.4	251.5	250.5	252.6	258.4	201.7	275.5	225.1	232.4	251.8	67.9	56.6	57.2	74.2	76.3	88.1	61.0	62.5	66.1	57.7	243.9	275.5
2	50.8	58.3	53.5	318.1	301.8	267.8	259.6	235.3	222.7	252.4	103.2	75.9	60.5	65.4	72.7	72.6	71.7	67.2	68.0	74.2	56.3	83.2	114.8	255.3	65.0	318.1
3	227.0	223.6	250.2	242.6	262.1	263.1	264.3	257.3	256.4	249.8	243.4	184.0	201.4	54.1	P	69.9	69.2	64.4	89.8	31.2	28.1	52.2	64.2	85.2	250.2	264.3
4	104.7	65.3	61.3	54.2	54.3	59.2	62.9	55.8	56.8	53.9	65.5	63.3	58.9	51.2	61.0	59.1	66.5	70.8	55.5	76.1	48.9	50.0	54.4	17.3	60.4	104.7
5	19.8	287.7	223.6	224.6	226.3	207.0	235.1	260.4	257.8	250.1	270.2	135.7	60.0	64.2	66.3	61.9	57.2	65.0	86.4	62.9	72.1	7.4	359.3	264.4	70.1	359.3
6	215.2	236.9	253.3	256.3	255.0	248.7	251.3	259.2	269.4	258.8	260.3	251.9	224.2	153.0	56.3	53.7	39.6	43.5	78.2	68.4	47.8	69.0	356.6	282.2	264.7	356.6
7	220.9	240.2	260.2	262.5	262.2	270.5	257.7	269.8	279.1	287.5	285.4	292.8	254.7	228.0	227.8	231.3	238.4	65.3	69.9	83.6	35.3	343.3	242.3	244.0	259.1	343.3
8	253.3	249.5	240.0	262.9	279.7	262.6	271.5	267.1	276.7	287.3	301.7	282.7	263.1	251.5	238.9	240.9	239.4	235.3	207.3	237.6	239.5	226.5	210.0	227.3	254.8	301.7
9	247.0	248.5	249.9	253.9	248.8	252.1	251.3	251.4	255.9	259.6	259.0	270.6	221.7	228.2	242.6	277.6	253.6	230.7	222.2	256.6	257.6	224.5	210.3	202.3	247.2	277.6
10	216.8	240.4	247.0	244.0	260.4	256.6	250.1	262.2	262.1	231.9	222.5	140.1	52.4	70.1	93.5	73.4	57.4	57.3	83.6	44.3	56.3	63.0	28.5	246.1	252.6	262.2
11	230.3	226.6	227.9	247.0	255.4	248.3	247.4	258.9	266.2	263.1	236.2	223.0	142.6	63.7	59.3	52.1	44.8	48.8	79.9	345.8	16.9	19.0	272.1	230.5	251.3	345.8
12	244.7	241.7	250.6	244.1	252.0	249.4	255.3	253.2	254.3	256.4	235.2	233.7	210.1	187.4	28.8	356.4	50.4	56.1	297.4	279.1	268.1	274.2	266.5	263.1	259.7	356.4
13	288.3	265.6	263.9	269.6	259.3	265.3	243.2	250.6	261.7	262.1	262.0	261.9	270.4	219.3	235.3	254.5	5.7	63.6	47.7	63.0	71.8	33.7	262.4	247.6	268.9	288.3
14	242.5	252.8	248.4	279.2	261.6	263.7	260.8	263.2	278.1	272.2	270.1	294.0	249.6	239.5	260.6	251.9	258.9	209.3	210.8	212.1	248.7	255.7	278.2	297.3	259.2	297.3
15	294.4	281.1	274.2	268.4	222.2	223.3	249.3	254.1	248.9	234.7	213.2	218.0	66.3	52.7	80.4	80.3	79.9	59.7	100.1	46.2	312.7	244.6	221.2	226.0	247.4	312.7
16	236.1	226.6	220.2	238.8	237.2	256.9	257.3	262.2	262.3	261.3	255.5	229.3	228.2	237.6	214.6	177.9	201.1	51.1	231.1	339.3	357.8	281.6	214.8	210.9	239.7	357.8
17	216.4	235.8	244.8	236.8	252.1	262.8	247.2	250.2	260.4	284.2	273.0	241.0	237.7	232.3	229.4	253.8	245.9	198.3	212.4	35.2	288.3	231.1	210.0	211.1	243.9	288.3
18	234.8	238.7	246.0	267.6	250.6	254.2	246.3	247.3	252.2	228.3	157.4	60.7	55.2	53.3	56.9	59.8	52.3	65.6	91.6	78.2	57.6	66.9	72.4	72.1	52.4	267.6
19	69.1	77.5	293.6	177.9	235.5	232.9	229.1	256.9	268.5	249.2	226.5	167.3	90.7	61.5	60.8	60.2	58.2	76.6	66.1	79.1	15.2	260.4	214.5	201.9	121.2	293.6
20	196.4	224.7	247.8	242.8	259.8	258.0	268.7	282.6	305.8	271.3	273.2	246.4	246.4	235.9	238.4	234.9	240.7	241.4	245.3	244.6	252.3	255.5	249.5	252.8	250.8	305.8
21	248.1	251.7	253.9	251.8	244.5	180.4	79.8	114.6	252.9	243.6	234.2	236.0	240.3	236.4	234.6	235.2	236.1	248.0	240.3	239.0	128.8	74.5	75.0	44.9	238.5	279.0
22	73.9	257.5	213.8	248.4	243.2	224.3	217.7	262.8	279.9	255.8	240.7	240.9	246.7	243.7	230.7	241.0	242.8	241.0	239.8	242.2	241.7	239.6	236.2	234.8	241.1	279.9
23	242.3	249.6	243.1	238.8	234.5	231.4	260.4	306.3	301.8	269.1	246.7	240.9	243.9	241.8	239.3	231.6	229.9	232.5	239.3	248.0	250.9	250.3	253.9	255.5	245.0	306.3
24	242.4	222.9	229.5	229.3	257.7	236.2	69.9	55.6	70.7	69.5	72.9	57.2	58.1	62.4	61.9	62.8	63.4	65.8	82.6	78.6	51.7	50.4	50.7	53.4	67.5	257.7
25	79.0	87.9	74.0	45.4	48.5	38.5	97.4	233.1	244.3	235.6	212.6	127.2	340.1	244.3	241.9	240.6	245.7	241.6	238.3	251.9	242.0	256.9	36.2	42.7	248.4	340.1
26	59.0	257.8	336.6	62.6	48.6	53.4	57.0	219.9	252.6	252.3	259.4	259.4	255.1	257.1	259.8	256.4	257.8	246.6	244.2	248.2	243.3	237.6	239.8	238.3	251.5	336.6
27	239.2	237.9	235.7	238.7	238.4	238.6	236.1	248.1	247.0	236.1	236.3	237.3	232.8	240.5	243.3	239.3	237.8	232.9	232.9	232.5	230.6	229.8	232.1	319.3	238.1	319.3
28	70.6	73.5	68.8	73.7	48.7	49.0	52.3	49.3	58.2	57.9	69.7	60.9	65.5	67.8	66.0	66.2	72.2	87.0	81.6	70.6	67.5	70.3	74.0	105.3	66.9	105.3
29	75.4	78.7	213.0	210.7	220.4	225.0	223.6	221.0	225.7	223.6	233.8	149.3	220.6	262.3	251.3	254.3	238.2	249.9	248.9	244.2	246.9	244.6	250.4	244.2	238.2	262.3
30	245.4	226.0	198.5	242.4	223.7	222.0	223.7	218.3	232.9	239.2	251.0	272.6	268.0	259.9	266.4	253.6	254.9	250.8	255.8	257.6	247.9	239.8	238.5	241.9	245.8	272.6
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	719	100%
MEAN	188.6	209.4	221.4	223.0	223.2	218.4	212.6	229.3	240.7	233.3	224.9	199.3	186.6	170.6	161.6	168.7	148.9	138.0	157.4	163.3	158.1	166.6	188.5	195.8		
MAX	294.4	287.7	336.6	318.1	301.8	270.5	271.5	306.3	305.8	287.5	301.7	294.0	340.1	262.3	266.4	356.4	258.9	250.8	297.4	345.8	357.8	343.3	359.3	319.3		



Number of Non-Zero Readings	719
Maximum 1-HR Average	359 degrees
Maximum 24-HR Average	269 degrees
Monthly Calibration	0
Standard Deviation	87.2
Operational Time	719 HRS
Operational Uptime	99.9 %
Monthly Average	192.9 degrees

Lagoon Pressure (mmHg) – September 2025

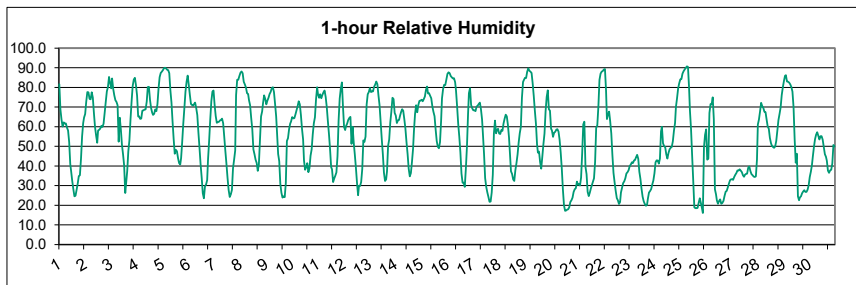
HOUR																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	657.6	657.8	657.9	658.0	657.9	658.1	658.1	658.3	658.2	658.0	657.5	657.3	657.0	656.7	656.5	656.5	656.8	657.0	657.6	658.4	658.7	658.8	658.7	657.7	658.8	
2	658.8	658.9	658.8	658.7	658.6	658.6	658.6	658.7	658.8	658.7	658.4	657.8	657.8	657.7	657.5	657.5	657.4	657.3	657.3	657.4	657.3	657.3	657.1	658.0	658.9	
3	657.1	656.7	656.5	656.4	656.1	656.0	656.1	654.8	655.5	655.2	654.7	654.3	650.9	650.9	P	653.3	652.9	652.8	652.8	653.3	653.8	654.2	654.8	655.1	642.1	657.1
4	655.3	655.7	656.1	656.7	657.4	657.8	658.1	658.2	658.3	658.3	658.7	658.4	657.9	657.6	657.3	657.1	657.0	656.9	656.6	656.4	656.3	656.1	656.1	656.0	657.1	658.7
5	655.8	655.5	655.2	654.9	654.7	654.6	654.3	654.1	653.8	653.7	653.4	653.0	652.7	652.3	652.1	651.8	651.8	651.8	651.9	652.0	652.0	652.1	652.2	652.2	653.3	655.8
6	652.3	652.3	652.3	652.3	652.3	652.4	652.6	652.7	652.7	652.5	652.2	651.9	651.6	651.5	651.4	651.2	651.2	651.2	651.3	651.5	651.8	651.9	652.0	652.0	652.0	652.7
7	652.0	651.9	651.8	651.8	651.9	651.9	652.0	652.0	651.8	651.6	651.3	651.0	650.8	650.6	650.5	650.5	650.6	650.6	650.8	651.6	652.7	653.1	652.7	652.8	651.6	653.1
8	653.5	653.5	653.2	652.7	652.4	652.5	652.5	652.7	652.7	652.7	652.6	652.6	652.3	652.0	651.8	651.6	651.4	651.3	651.3	651.7	652.0	652.1	652.2	652.2	652.3	653.5
9	652.3	652.4	652.3	652.2	652.1	652.0	652.2	652.2	652.1	651.9	651.5	651.0	650.6	650.1	649.8	649.7	649.6	649.4	649.5	649.9	650.4	650.7	650.9	651.0	651.1	652.4
10	651.2	651.2	651.2	651.2	651.4	651.6	652.0	652.1	652.3	652.3	652.0	651.7	651.3	651.1	650.8	650.5	650.5	650.9	651.6	652.2	652.5	652.7	652.6	652.4	651.6	652.7
11	652.4	652.5	652.5	652.6	652.8	652.9	653.0	653.1	653.2	653.0	652.7	652.2	651.9	651.5	651.3	651.1	650.9	650.8	650.7	651.0	651.4	651.7	651.9	652.0	652.0	653.2
12	652.0	652.1	652.2	652.2	652.2	652.2	652.4	652.0	652.8	652.8	652.3	652.0	651.6	651.2	651.3	651.2	651.1	651.0	651.2	651.7	652.0	653.1	652.6	652.5	648.0	653.1
13	652.3	652.2	652.1	651.9	651.9	651.8	651.9	651.8	651.8	651.3	650.7	650.3	649.7	649.3	648.8	648.6	648.6	648.9	649.0	649.0	649.1	649.0	648.6	648.4	650.3	652.3
14	648.3	648.1	648.1	648.0	648.0	647.9	648.0	647.9	647.8	647.7	647.3	647.0	646.7	646.5	646.5	647.0	647.6	648.1	648.3	648.5	648.8	649.1	649.2	649.5	647.9	649.5
15	649.8	650.1	650.5	651.1	651.4	651.9	652.5	653.0	653.6	654.2	654.4	654.6	655.0	655.4	655.5	655.6	655.6	655.7	656.0	656.7	657.1	657.3	657.7	658.1	654.3	658.1
16	658.4	658.6	658.8	659.1	659.2	659.5	659.8	659.8	659.7	659.6	659.3	658.8	658.4	657.9	657.7	657.5	657.4	657.3	657.3	657.4	657.7	657.9	657.9	657.8	658.5	659.8
17	657.8	657.8	657.7	657.6	657.3	657.1	657.0	656.9	656.7	656.3	655.9	655.4	655.0	654.6	654.2	653.9	653.7	653.5	653.3	653.3	653.5	653.5	653.5	653.4	655.4	657.8
18	653.3	653.1	653.1	653.1	653.4	653.6	653.7	653.9	653.9	653.8	653.4	652.9	652.7	652.3	652.0	652.0	652.0	652.2	652.3	652.5	652.8	653.3	653.8	654.0	653.0	654.0
19	654.3	654.1	653.8	653.5	653.4	653.4	653.4	653.5	653.6	653.4	652.8	652.3	651.7	651.1	650.8	650.5	650.4	650.5	650.6	650.8	651.0	651.1	651.2	651.1	652.2	654.3
20	650.8	650.7	650.5	650.3	650.3	650.3	650.3	650.3	650.1	649.6	649.1	648.6	648.0	647.4	646.9	646.5	646.3	646.2	646.1	646.1	646.2	646.3	646.2	646.0	648.3	650.8
21	645.8	645.7	645.5	645.4	645.2	645.0	645.0	644.8	644.5	644.3	644.0	643.9	644.0	644.2	644.4	644.6	645.0	645.4	646.5	647.3	648.3	649.0	649.5	650.3	645.7	650.3
22	650.8	651.3	651.4	651.8	652.6	653.1	653.6	654.0	654.1	654.0	654.0	653.6	653.2	652.7	652.3	652.1	652.0	651.9	652.2	652.5	652.6	652.7	652.9	653.2	652.7	654.1
23	653.6	653.9	654.1	654.0	654.0	654.2	654.6	655.2	655.3	655.0	654.6	654.4	654.1	653.8	653.7	653.6	653.4	653.4	653.4	653.6	653.8	653.7	653.7	653.5	654.0	655.3
24	653.3	653.2	652.8	652.6	652.6	652.4	653.0	653.9	654.9	655.3	655.2	654.6	654.2	654.1	654.2	654.5	654.8	654.9	655.2	655.5	655.6	655.8	655.6	655.2	654.3	655.8
25	655.0	654.6	654.1	653.6	653.0	652.3	651.7	651.1	650.3	649.5	648.5	647.5	646.6	645.8	645.2	644.8	644.3	644.3	644.6	645.2	645.5	645.9	646.5	647.0	648.6	655.0
26	647.4	647.5	647.9	648.1	648.3	648.6	648.9	649.3	649.4	649.6	649.5	649.6	649.6	649.6	649.1	648.8	648.6	648.2	647.8	647.5	647.6	647.3	647.0	647.0	648.4	649.6
27	646.8	646.6	646.8	647.3	647.6	647.6	647.9	648.1	648.0	647.8	647.4	646.9	646.6	646.4	646.1	645.9	645.6	645.1	644.8	644.8	645.0	645.4	646.1	647.3	646.6	648.1
28	648.9	650.0	650.7	651.3	651.7	651.9	652.1	652.2	652.4	652.5	652.5	652.0	651.6	651.1	650.9	650.4	650.3	650.1	649.9	649.9	649.8	649.7	649.6	649.3	650.9	652.5
29	649.0	648.8	648.7	648.5	648.4	648.2	648.2	648.3	648.2	647.9	647.5	646.9	646.6	646.2	646.2	646.2	646.3	646.2	646.2	646.2	646.2	646.1	646.4	646.5	647.2	649.0
30	646.5	646.3	646.2	646.0	646.0	646.0	645.9	645.9	645.8	645.6	645.4	645.0	644.7	644.6	644.7	644.6	644.6	644.7	644.7	644.7	644.9	645.2	645.4	645.4	645.4	646.5
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	719	100%
MEAN	652.4	652.4	652.4	652.4	652.5	652.5	652.6	644.9	652.7	652.6	652.3	651.9	651.5	646.4	651.0	651.0	650.9	650.9	651.0	651.3	651.5	651.7	651.8	651.9		
MAX	658.8	658.9	658.8	659.1	659.2	659.5	659.8	659.8	659.7	659.6	659.3	658.8	658.4	657.9	657.7	657.5	657.5	657.4	657.3	657.6	658.4	658.7	658.8	658.7		



Number of Non-Zero Readings	719
Maximum 1-HR Average	660 MMHg
Maximum 24-HR Average	658 MMHg
Monthly Calibration	0
Standard Deviation	9.08
Operational Time	719 HRS
Operational Uptime	99.9 %
Monthly Average	651.4 MMHg

Lagoon Relative Humidity (%) – September 2025

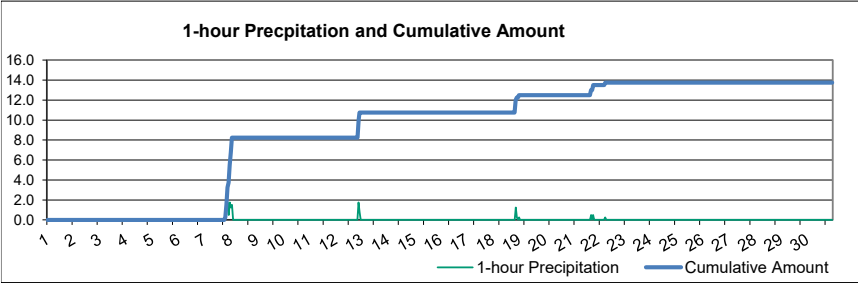
Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	81.7	68.8	63.6	60.1	62.2	61.5	61.7	59.5	58.0	52.2	41.0	37.2	32.4	28.2	24.5	24.8	28.0	31.0	34.8	35.3	43.7	55.1	61.9	64.7	48.8	81.7
2	66.4	72.9	77.6	77.6	74.2	73.9	77.6	74.8	66.9	59.8	55.6	51.8	58.1	58.4	59.1	60.4	59.8	61.5	67.0	72.6	77.9	80.2	85.3	82.4	68.8	85.3
3	79.6	84.6	79.3	76.0	73.5	72.6	71.0	52.4	64.6	58.5	50.7	45.9	40.2	26.2	P	37.4	47.4	53.1	63.7	72.9	80.8	84.0	85.0	81.1	64.4	85.0
4	75.9	65.2	65.4	64.0	64.2	68.1	68.3	68.6	68.8	72.8	80.2	80.3	73.7	69.5	67.1	66.0	66.6	68.8	67.9	71.5	79.4	85.2	87.3	88.1	72.2	88.1
5	88.8	89.8	90.1	89.6	89.0	88.8	87.3	78.7	72.4	62.6	53.7	46.2	48.3	47.5	44.0	41.4	40.7	43.9	52.3	61.7	69.6	77.8	82.8	86.0	68.0	90.1
6	81.3	76.2	71.6	71.0	70.7	71.5	72.3	69.5	65.9	57.1	49.2	40.8	34.0	26.1	23.6	29.5	30.6	32.8	43.4	52.8	63.6	72.9	77.8	78.4	56.8	81.3
7	71.2	65.5	62.0	62.3	62.5	63.2	63.6	64.1	61.8	54.9	47.7	41.1	33.9	27.7	24.3	25.5	27.8	38.8	43.2	47.9	76.0	83.9	83.9	85.8	54.9	85.8
8	87.4	88.2	87.3	82.8	81.5	80.0	77.1	76.6	73.5	70.9	64.4	58.8	48.4	46.0	43.2	41.5	37.5	40.8	53.0	65.2	67.8	71.9	75.9	74.1	66.4	88.2
9	71.4	73.2	74.8	76.7	77.7	79.6	80.1	77.6	71.6	65.2	56.9	46.1	42.4	30.9	26.3	23.9	24.6	24.1	31.3	52.7	54.1	58.7	61.6	62.6	56.0	80.1
10	64.9	64.2	64.3	66.2	68.4	70.5	72.9	71.4	65.9	58.9	53.5	42.9	38.1	39.3	41.4	36.9	38.9	45.2	48.4	56.0	61.8	64.7	74.0	80.1	57.9	80.1
11	76.5	74.7	76.5	74.5	76.1	77.6	78.5	75.2	70.0	62.9	56.3	48.6	39.4	38.3	31.8	33.6	35.0	36.8	45.0	63.1	74.3	79.3	82.5	70.3	61.5	82.5
12	59.8	58.3	60.3	61.6	63.4	64.5	65.0	51.3	60.0	52.1	45.9	39.2	31.5	25.1	29.9	29.8	31.8	38.4	53.0	52.2	54.9	71.3	76.5	77.7	52.2	77.7
13	79.8	77.7	78.0	78.0	80.3	81.4	83.1	81.7	76.0	70.9	62.4	53.8	46.1	36.6	32.4	33.2	37.3	50.2	53.5	62.2	67.8	74.8	74.0	67.1	64.1	83.1
14	65.7	61.8	63.3	63.5	65.8	67.4	68.9	68.2	63.8	59.1	52.2	46.1	38.7	34.7	36.4	42.1	48.8	57.8	66.5	70.9	67.4	71.0	73.2	73.3	59.4	73.3
15	73.7	72.9	74.0	75.4	78.8	80.4	77.0	77.0	75.7	74.5	70.3	67.5	65.4	58.6	52.7	49.8	49.0	52.1	63.0	74.4	79.2	81.4	81.2	84.0	70.3	84.0
16	86.9	87.7	87.3	85.8	85.1	84.5	84.7	82.7	78.4	70.3	61.5	55.0	47.0	36.2	31.4	31.5	29.3	38.6	49.9	66.4	77.0	79.7	71.0	69.3	65.7	87.7
17	68.4	68.3	67.9	70.3	70.7	71.6	72.2	68.8	63.6	56.1	46.1	33.8	29.3	26.5	24.2	21.8	21.9	26.4	35.5	56.5	63.1	56.6	58.3	59.0	51.5	72.2
18	56.5	56.3	58.3	57.9	61.7	64.1	66.2	65.2	60.9	54.5	45.0	37.2	35.9	33.2	32.4	37.8	41.5	45.8	51.8	56.7	59.8	74.7	82.8	83.7	55.0	83.7
19	84.9	84.8	88.0	89.7	88.5	88.0	87.4	82.1	75.6	68.1	61.5	50.9	46.7	47.4	41.9	38.6	44.7	51.0	56.5	67.9	75.2	78.6	69.0	68.2	68.1	89.7
20	58.9	58.0	54.9	56.9	57.4	58.5	58.8	57.5	53.3	46.8	38.6	28.0	20.0	17.2	17.2	17.7	17.9	18.9	21.6	22.5	23.9	26.8	28.1	28.7	37.0	58.9
21	32.1	30.4	30.9	30.0	34.1	46.3	61.3	62.6	39.6	35.8	26.8	24.7	26.5	28.7	30.5	31.9	33.7	41.9	59.5	60.6	70.3	83.9	87.1	88.1	45.7	88.1
22	88.3	89.2	89.4	78.4	63.9	66.2	67.7	62.7	56.5	45.6	36.5	31.7	27.4	23.7	22.5	20.6	21.7	26.4	29.0	31.2	32.1	33.7	36.2	36.8	46.6	89.4
23	37.9	40.0	40.7	41.9	41.5	42.9	43.0	44.5	45.7	43.7	37.0	33.3	28.3	24.3	21.9	20.6	19.7	20.2	23.3	26.5	27.3	28.3	30.6	32.6	33.2	45.7
24	36.3	41.8	42.9	42.8	41.2	43.8	57.7	59.9	51.5	50.2	49.6	45.8	43.8	46.5	48.4	49.2	49.7	52.6	58.0	61.8	70.1	74.4	79.4	82.1	53.3	82.1
25	84.1	84.2	87.0	88.2	89.2	89.9	90.7	90.5	79.9	68.2	58.7	45.3	32.6	19.0	18.5	18.5	18.7	21.3	23.5	21.1	18.4	16.1	49.5	55.8	52.9	90.7
26	58.6	43.2	43.7	67.0	71.5	71.4	74.9	63.9	28.2	25.6	22.4	20.8	22.2	22.9	20.8	21.2	22.3	24.7	26.8	27.4	29.2	31.1	32.8	33.2	37.7	74.9
27	33.3	33.0	34.4	35.5	36.4	37.7	37.6	38.3	37.6	36.8	35.3	34.5	35.5	36.0	36.0	39.0	39.8	37.4	35.8	35.3	34.6	34.4	34.8	43.3	36.3	43.3
28	61.1	63.7	67.7	72.1	70.5	69.5	67.5	67.5	63.6	60.1	59.0	54.2	51.6	50.3	49.7	49.3	49.9	52.7	58.0	63.4	66.5	69.9	76.1	80.0	62.2	80.0
29	83.2	85.9	86.2	83.0	82.9	82.4	81.5	80.2	77.8	69.9	53.7	41.7	46.2	24.6	22.5	24.0	24.6	26.1	27.0	27.7	26.8	26.8	27.9	30.1	51.8	86.2
30	34.3	37.1	40.5	44.8	49.6	53.6	55.9	57.2	55.4	53.5	55.2	55.2	53.4	49.7	46.0	44.7	42.6	37.6	36.5	37.8	38.1	41.3	50.7	49.9	46.7	57.2
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	719	100%
MEAN	67.6	66.6	66.9	67.5	67.8	69.1	70.4	67.7	62.7	57.2	50.9	44.6	40.6	36.0	34.5	34.7	36.1	39.9	46.0	52.5	57.7	62.3	65.9	66.5		
MAX	88.8	89.8	90.1	89.7	89.2	89.9	90.7	90.5	79.9	74.5	80.2	80.3	73.7	69.5	67.1	66.0	66.6	68.8	67.9	74.4	80.8	85.2	87.3	88.1		



Number of Non-Zero Readings	719		
Maximum 1-HR Average	90.7 %		
Maximum 24-HR Average	72.2 %		
Monthly Calibration	0	Operational Time	719 HRS
Standard Deviation	19.7	Operational Uptime	99.9 %
		Monthly Average	55.5 %

Lagoon Precipitation (mm) – September 2025

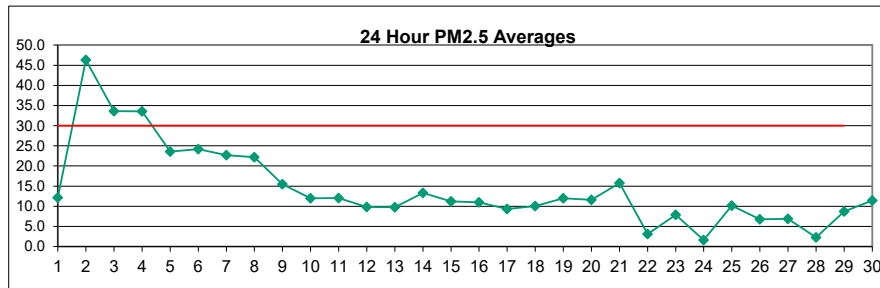
HOURLY																									24-HOUR TOTAL		DAILY MAX	
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	1.8	0.5	1.8	5.5	1.8	0.0
8	1.3	1.5	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	1.5
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	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	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	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	1.8	0.8	0.0	2.5	1.8	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	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	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	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	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	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	1.3	0.3	0.0	1.5	1.3	0.0
19	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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	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	0.5	0.0	0.5	0.0	0.0	0.0	1.0	0.5	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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	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	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	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	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	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	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	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	0.0	0.0
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	30	719	100%	
MEAN	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	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1			
MAX	1.3	1.5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	1.3	1.8	0.8	1.8			



Number of Non-Zero Readings	15		
Maximum 1-HR Total	5.5 MM		
Maximum 24-HR Total	1.8 MM		
Monthly Calibration	0	Operational Time	719 HRS
Standard Deviation	0.16	Operational Uptime	99.9 %
		Monthly Average	0.02 MM

Windridge PM_{2.5} (µg/m³) – September 2025

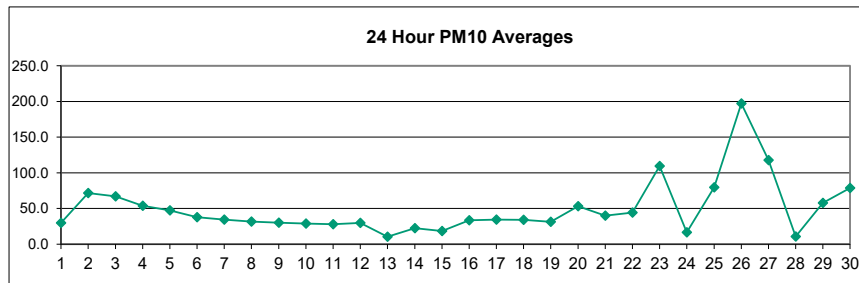
HOUR																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	MAX
1	8.0	12.0	13.0	9.0	11.0	11.0	13.0	9.0	13.0	14.0	14.0	14.0	11.0	13.0	12.0	12.0	14.0	10.0	13.0	12.0	X	12.0	16.0	14.0	12.2	16.0
2	11.0	15.0	56.0	32.0	20.0	19.0	28.0	24.0	20.0	22.0	33.0	31.0	65.0	85.0	82.0	79.0	76.0	69.0	68.0	60.0	65.0	68.0	X	37.0	46.3	85.0
3	38.0	52.0	46.0	46.0	42.0	35.0	33.0	25.0	23.0	24.0	24.0	24.0	24.0	27.0	24.0	38.0	36.0	30.0	32.0	35.0	33.0	33.0	37.0	46.0	33.6	52.0
4	56.0	42.0	33.0	30.0	29.0	27.0	34.0	37.0	42.0	43.0	32.0	31.0	28.0	31.0	38.0	38.0	26.0	29.0	34.0	31.0	31.0	28.0	29.0	26.0	33.5	56.0
5	28.0	29.0	22.0	25.0	23.0	26.0	28.0	27.0	28.0	26.0	28.0	27.0	26.0	19.0	17.0	19.0	19.0	21.0	21.0	22.0	23.0	22.0	19.0	21.0	23.6	29.0
6	21.0	24.0	21.0	25.0	27.0	31.0	28.0	24.0	25.0	27.0	24.0	31.0	25.0	26.0	17.0	15.0	21.0	19.0	20.0	21.0	24.0	28.0	32.0	24.0	24.2	32.0
7	24.0	23.0	17.0	22.0	22.0	21.0	21.0	24.0	19.0	20.0	19.0	22.0	24.0	32.0	33.0	32.0	34.0	21.0	20.0	18.0	21.0	20.0	17.0	19.0	22.7	34.0
8	23.0	21.0	19.0	23.0	20.0	21.0	16.0	22.0	21.0	24.0	22.0	25.0	26.0	35.0	31.0	26.0	20.0	20.0	20.0	20.0	18.0	18.0	20.0	21.0	22.2	35.0
9	19.0	22.0	19.0	22.0	21.0	21.0	18.0	21.0	17.0	18.0	22.0	18.0	15.0	9.0	9.0	16.0	16.0	11.0	7.0	11.0	8.0	10.0	11.0	11.0	15.5	22.0
10	11.0	11.0	9.0	13.0	12.0	10.0	14.0	12.0	12.0	13.0	10.0	12.0	14.0	13.0	16.0	11.0	15.0	16.0	17.0	9.0	11.0	8.0	9.0	9.0	12.0	17.0
11	15.0	13.0	10.0	15.0	13.0	17.0	14.0	16.0	13.0	14.0	13.0	16.0	16.0	7.0	11.0	7.0	11.0	9.0	10.0	9.0	7.0	15.0	9.0	9.0	12.0	17.0
12	7.0	5.0	9.0	8.0	10.0	8.0	9.0	7.0	8.0	12.0	17.0	10.0	11.0	12.0	8.0	7.0	13.0	14.0	11.0	16.0	7.0	11.0	8.0	7.0	9.8	17.0
13	9.0	5.0	4.0	11.0	8.0	7.0	7.0	9.0	10.0	12.0	8.0	4.0	9.0	11.0	14.0	15.0	14.0	9.0	9.0	12.0	13.0	13.0	11.0	X	9.7	15.0
14	X	15.0	12.0	13.0	11.0	13.0	13.0	10.0	13.0	15.0	12.0	14.0	18.0	12.0	17.0	16.0	17.0	7.0	14.0	9.0	9.0	14.0	16.0	16.0	13.3	18.0
15	5.0	12.0	13.0	9.0	9.0	7.0	15.0	11.0	10.0	11.0	12.0	10.0	16.0	15.0	14.0	11.0	8.0	11.0	13.0	11.0	11.0	11.0	12.0	12.0	11.2	16.0
16	12.0	9.0	9.0	17.0	15.0	10.0	13.0	11.0	11.0	11.0	11.0	12.0	12.0	13.0	8.0	9.0	13.0	10.0	6.0	12.0	10.0	10.0	9.0	10.0	11.0	17.0
17	12.0	10.0	7.0	9.0	11.0	9.0	10.0	10.0	10.0	9.0	7.0	13.0	11.0	10.0	9.0	9.0	15.0	9.0	7.0	6.0	7.0	10.0	8.0	6.0	9.3	15.0
18	9.0	8.0	6.0	8.0	10.0	8.0	9.0	8.0	8.0	16.0	18.0	8.0	9.0	9.0	8.0	13.0	11.0	9.0	8.0	11.0	18.0	12.0	10.0	7.0	10.0	18.0
19	13.0	10.0	8.0	9.0	9.0	11.0	9.0	12.0	11.0	11.0	6.0	7.0	13.0	12.0	17.0	14.0	10.0	10.0	12.0	29.0	15.0	12.0	11.0	16.0	12.0	29.0
20	9.0	8.0	14.0	12.0	8.0	8.0	12.0	10.0	6.0	8.0	11.0	15.0	11.0	13.0	14.0	11.0	11.0	13.0	10.0	19.0	12.0	17.0	10.0	16.0	11.6	19.0
21	14.0	21.0	18.0	20.0	20.0	16.0	23.0	19.0	14.0	20.0	19.0	16.0	22.0	19.0	23.0	27.0	24.0	18.0	5.0	2.0	6.0	5.0	3.0	4.0	15.8	27.0
22	5.0	4.0	2.0	0.0	0.0	0.0	1.0	2.0	1.0	0.0	0.0	1.0	3.0	5.0	5.0	5.0	3.0	6.0	4.0	1.0	5.0	6.0	10.0	6.0	3.1	10.0
23	8.0	12.0	7.0	8.0	6.0	3.0	7.0	7.0	6.0	5.0	7.0	7.0	6.0	6.0	C	34.0	2.0	1.0	18.0	12.0	7.0	5.0	2.0	5.0	7.9	34.0
24	2.0	0.0	0.0	0.0	2.0	4.0	5.0	4.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	4.0	5.0	4.0	2.0	1.6	5.0
25	2.0	2.0	3.0	3.0	2.0	2.0	3.0	3.0	6.0	6.0	7.0	8.0	19.0	31.0	28.0	25.0	22.0	20.0	18.0	8.0	7.0	9.0	6.0	3.0	10.1	31.0
26	0.0	0.0	1.0	2.0	3.0	2.0	2.0	12.0	10.0	14.0	13.0	19.0	12.0	16.0	18.0	3.0	4.0	4.0	7.0	6.0	2.0	5.0	4.0	4.0	6.8	19.0
27	6.0	8.0	7.0	5.0	2.0	0.0	0.0	1.0	4.0	3.0	2.0	4.0	11.0	10.0	7.0	6.0	4.0	15.0	10.0	13.0	11.0	15.0	10.0	11.0	6.9	15.0
28	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	4.0	6.0	5.0	8.0	7.0	4.0	4.0	3.0	1.0	1.0	2.3	8.0
29	0.0	0.0	3.0	4.0	4.0	7.0	7.0	6.0	9.0	10.0	9.0	11.0	22.0	5.0	6.0	10.0	12.0	10.0	13.0	15.0	13.0	9.0	11.0	13.0	8.7	22.0
30	15.0	31.0	14.0	9.0	9.0	8.0	12.0	19.0	15.0	17.0	18.0	12.0	10.0	9.0	6.0	7.0	7.0	7.0	16.0	9.0	8.0	6.0	6.0	4.0	11.4	31.0
NO.	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	715	99.4%
MEAN	13.4	14.2	13.4	13.6	12.6	12.1	13.5	13.4	12.9	14.2	13.9	14.1	16.3	17.0	17.1	17.5	16.1	14.5	15.0	14.8	14.1	14.7	12.1	13.1	7.5	
MAX	56.0	52.0	56.0	46.0	42.0	35.0	34.0	37.0	42.0	43.0	33.0	31.0	65.0	85.0	82.0	79.0	76.0	69.0	68.0	60.0	65.0	68.0	37.0	46.0	17.4	70.0



Number of 24HR Exceedences	3	Proposed Guideline
Number of Non-Zero Readings	682	
Maximum 1-HR Average	85.0 UG/M3	
Maximum 24-HR Average	46.3 UG/M3	
Monthly Calibration	1	
Standard Deviation	11.6	
Operational Time	716 HRS	
Operational Uptime	99.4 %	
Monthly Average	14.3 UG/M3	

Windridge PM₁₀ (µg/m³) – September 2025

Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	34.0	55.0	22.0	21.0	28.0	28.0	21.0	25.0	24.0	25.0	54.0	32.0	25.0	21.0	20.0	22.0	32.0	19.0	18.0	23.0	X	29.0	83.0	25.0	29.8	83.0
2	20.0	34.0	79.0	46.0	26.0	31.0	54.0	50.0	40.0	46.0	70.0	62.0	118.0	121.0	114.0	107.0	106.0	101.0	99.0	90.0	104.0	87.0	X	41.0	71.6	121.0
3	49.0	63.0	59.0	57.0	55.0	45.0	49.0	83.0	71.0	64.0	84.0	135.0	57.0	49.0	53.0	82.0	122.0	60.0	68.0	57.0	51.0	54.0	65.0	75.0	67.0	135.0
4	73.0	59.0	45.0	41.0	35.0	33.0	46.0	63.0	72.0	70.0	50.0	49.0	57.0	59.0	73.0	71.0	55.0	54.0	61.0	57.0	42.0	51.0	36.0	39.0	53.8	73.0
5	32.0	42.0	32.0	36.0	31.0	34.0	60.0	55.0	81.0	85.0	66.0	51.0	54.0	42.0	47.0	45.0	35.0	43.0	43.0	63.0	42.0	36.0	33.0	46.0	47.3	85.0
6	36.0	57.0	37.0	35.0	31.0	32.0	35.0	29.0	37.0	32.0	45.0	45.0	39.0	41.0	23.0	33.0	30.0	31.0	38.0	51.0	53.0	33.0	52.0	28.0	37.6	57.0
7	40.0	38.0	30.0	32.0	29.0	25.0	31.0	25.0	27.0	23.0	29.0	28.0	46.0	37.0	43.0	58.0	50.0	40.0	36.0	47.0	33.0	29.0	21.0	27.0	34.3	58.0
8	29.0	19.0	23.0	30.0	27.0	21.0	18.0	20.0	26.0	24.0	22.0	23.0	45.0	99.0	71.0	60.0	46.0	30.0	19.0	22.0	17.0	20.0	24.0	21.0	31.5	99.0
9	21.0	19.0	23.0	21.0	24.0	26.0	20.0	42.0	35.0	42.0	50.0	33.0	22.0	26.0	44.0	75.0	75.0	38.0	15.0	10.0	9.0	16.0	19.0	14.0	30.0	75.0
10	10.0	23.0	27.0	19.0	14.0	53.0	46.0	74.0	25.0	66.0	46.0	40.0	17.0	23.0	37.0	23.0	27.0	24.0	20.0	12.0	11.0	20.0	14.0	23.0	28.9	74.0
11	27.0	24.0	17.0	20.0	16.0	21.0	21.0	45.0	29.0	79.0	79.0	34.0	32.0	24.0	22.0	21.0	15.0	15.0	27.0	15.0	11.0	19.0	16.0	38.0	27.8	79.0
12	19.0	19.0	22.0	24.0	23.0	25.0	28.0	42.0	43.0	66.0	82.0	74.0	39.0	43.0	15.0	11.0	16.0	34.0	12.0	22.0	12.0	21.0	14.0	10.0	29.8	82.0
13	6.0	6.0	6.0	6.0	9.0	9.0	6.0	8.0	10.0	12.0	14.0	9.0	8.0	16.0	12.0	13.0	20.0	7.0	9.0	13.0	18.0	6.0	16.0	X	10.4	20.0
14	X	11.0	12.0	12.0	11.0	12.0	18.0	13.0	11.0	18.0	19.0	17.0	39.0	28.0	34.0	53.0	50.0	20.0	48.0	13.0	34.0	19.0	13.0	11.0	22.4	53.0
15	13.0	14.0	14.0	13.0	22.0	11.0	13.0	24.0	20.0	31.0	32.0	36.0	33.0	24.0	19.0	11.0	15.0	13.0	12.0	16.0	15.0	13.0	14.0	14.0	18.4	36.0
16	19.0	42.0	23.0	32.0	31.0	20.0	43.0	33.0	50.0	55.0	52.0	41.0	38.0	32.0	20.0	27.0	43.0	12.0	12.0	12.0	21.0	30.0	38.0	75.0	33.4	75.0
17	23.0	15.0	8.0	16.0	11.0	19.0	17.0	27.0	28.0	36.0	82.0	81.0	48.0	47.0	38.0	78.0	91.0	66.0	10.0	16.0	13.0	37.0	9.0	5.0	34.2	91.0
18	6.0	18.0	13.0	14.0	10.0	19.0	34.0	41.0	57.0	76.0	63.0	27.0	30.0	32.0	31.0	49.0	33.0	35.0	33.0	41.0	47.0	46.0	30.0	35.0	34.2	76.0
19	33.0	28.0	21.0	20.0	19.0	26.0	36.0	29.0	31.0	33.0	35.0	27.0	29.0	30.0	33.0	37.0	32.0	38.0	34.0	50.0	32.0	35.0	39.0	21.0	31.2	50.0
20	15.0	14.0	18.0	16.0	12.0	18.0	12.0	13.0	16.0	31.0	45.0	61.0	89.0	66.0	73.0	51.0	123.0	80.0	70.0	130.0	79.0	97.0	82.0	64.0	53.1	130.0
21	30.0	35.0	31.0	36.0	22.0	28.0	62.0	51.0	26.0	37.0	46.0	51.0	78.0	88.0	59.0	49.0	47.0	67.0	75.0	12.0	10.0	5.0	6.0	6.0	39.9	88.0
22	4.0	4.0	9.0	7.0	3.0	1.0	5.0	10.0	8.0	17.0	35.0	39.0	47.0	75.0	65.0	100.0	51.0	114.0	55.0	35.0	110.0	77.0	96.0	96.0	44.3	114.0
23	157.0	182.0	119.0	171.0	96.0	83.0	76.0	34.0	26.0	99.0	166.0	89.0	121.0	121.0	C	47.0	30.0	29.0	109.0	160.0	90.0	210.0	169.0	131.0	109.3	210.0
24	8.0	12.0	6.0	2.0	5.0	5.0	25.0	15.0	18.0	9.0	6.0	18.0	11.0	30.0	19.0	27.0	19.0	14.0	13.0	19.0	20.0	26.0	22.0	49.0	16.6	49.0
25	28.0	15.0	21.0	32.0	15.0	26.0	38.0	78.0	60.0	54.0	53.0	52.0	165.0	222.0	170.0	156.0	111.0	122.0	142.0	117.0	39.0	135.0	36.0	20.0	79.5	222.0
26	14.0	106.0	52.0	6.0	12.0	10.0	33.0	118.0	198.0	363.0	338.0	367.0	254.0	397.0	485.0	161.0	78.0	190.0	474.0	288.0	78.0	235.0	206.0	269.0	197.2	485.0
27	134.0	266.0	209.0	139.0	61.0	40.0	65.0	54.0	97.0	57.0	66.0	49.0	130.0	140.0	96.0	55.0	51.0	269.0	192.0	154.0	115.0	179.0	117.0	94.0	117.9	269.0
28	17.0	5.0	5.0	3.0	0.0	3.0	3.0	0.0	2.0	5.0	5.0	3.0	7.0	14.0	15.0	25.0	12.0	21.0	15.0	25.0	21.0	20.0	16.0	13.0	10.6	25.0
29	11.0	22.0	22.0	22.0	38.0	33.0	37.0	58.0	59.0	54.0	58.0	59.0	69.0	74.0	65.0	79.0	66.0	58.0	100.0	93.0	113.0	40.0	80.0	72.0	57.6	113.0
30	62.0	92.0	28.0	18.0	21.0	20.0	56.0	84.0	72.0	97.0	95.0	61.0	53.0	130.0	69.0	104.0	78.0	86.0	148.0	132.0	109.0	117.0	83.0	72.0	78.6	148.0
NO.	29	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	29	30	29	29	715	99.4%
MEAN	33.4	44.6	34.4	31.6	24.6	25.2	33.6	41.4	43.3	56.9	62.9	56.4	60.0	71.7	64.3	57.7	52.0	57.7	66.9	59.8	46.5	58.1	50.0	49.4	42.0	
MAX	157.0	266.0	209.0	171.0	96.0	83.0	76.0	118.0	198.0	363.0	338.0	367.0	254.0	397.0	485.0	161.0	123.0	269.0	474.0	288.0	115.0	235.0	206.0	269.0	91.1	433.3

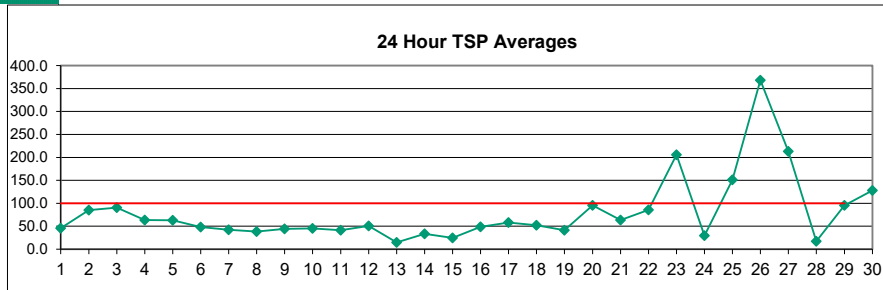


Number of Non-Zero Readings	713		
Maximum 1-HR Average	485.0 UG/M3		
Maximum 24-HR Average	197.2 UG/M3		
Monthly Calibration	1	Operational Time	716 HRS
Standard Deviation	53.48	Operational Uptime	99.4 %
		Monthly Average	49.3 UG/M3

Windridge TSP ($\mu\text{g}/\text{m}^3$) – September 2025

Day	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	46.0	80.0	28.0	23.0	42.0	48.0	35.0	44.0	39.0	40.0	71.0	53.0	36.0	35.0	33.0	29.0	53.0	31.0	29.0	37.0	X	45.0	130.0	37.0	45.4	130.0
2	30.0	42.0	82.0	57.0	31.0	32.0	62.0	66.0	57.0	88.0	98.0	83.0	149.0	134.0	133.0	127.0	120.0	110.0	105.0	95.0	118.0	97.0	X	41.0	85.1	149.0
3	52.0	63.0	65.0	58.0	50.0	47.0	61.0	108.0	90.0	92.0	135.0	271.0	90.0	72.0	63.0	122.0	192.0	76.0	90.0	70.0	63.0	63.0	79.0	96.0	90.3	271.0
4	86.0	76.0	53.0	57.0	39.0	44.0	56.0	78.0	86.0	79.0	49.0	61.0	67.0	67.0	84.0	82.0	62.0	68.0	66.0	69.0	48.0	62.0	39.0	38.0	63.2	86.0
5	31.0	54.0	41.0	51.0	32.0	34.0	86.0	58.0	108.0	140.0	102.0	67.0	68.0	59.0	66.0	60.0	47.0	55.0	61.0	84.0	59.0	45.0	39.0	55.0	62.6	140.0
6	40.0	86.0	43.0	46.0	41.0	33.0	37.0	40.0	41.0	46.0	63.0	63.0	43.0	58.0	35.0	51.0	42.0	33.0	48.0	65.0	55.0	42.0	74.0	27.0	48.0	86.0
7	47.0	60.0	35.0	35.0	29.0	33.0	30.0	27.0	36.0	29.0	36.0	29.0	71.0	44.0	54.0	70.0	57.0	52.0	44.0	72.0	44.0	29.0	17.0	33.0	42.2	72.0
8	23.0	22.0	25.0	29.0	25.0	24.0	24.0	22.0	26.0	24.0	26.0	27.0	50.0	147.0	98.0	81.0	65.0	30.0	24.0	19.0	25.0	23.0	24.0	28.0	38.0	147.0
9	24.0	23.0	25.0	25.0	26.0	26.0	24.0	52.0	43.0	66.0	81.0	49.0	27.0	46.0	75.0	130.0	129.0	59.0	29.0	18.0	11.0	28.0	24.0	15.0	44.0	130.0
10	23.0	30.0	46.0	23.0	18.0	75.0	79.0	100.0	24.0	130.0	85.0	65.0	28.0	37.0	62.0	34.0	38.0	45.0	38.0	18.0	15.0	20.0	15.0	37.0	45.2	130.0
11	42.0	28.0	25.0	24.0	16.0	26.0	25.0	59.0	30.0	135.0	144.0	63.0	47.0	34.0	36.0	34.0	22.0	21.0	39.0	19.0	22.0	20.0	21.0	59.0	41.3	144.0
12	31.0	27.0	30.0	39.0	29.0	46.0	50.0	71.0	67.0	111.0	163.0	139.0	62.0	87.0	59.0	12.0	24.0	52.0	13.0	35.0	18.0	27.0	16.0	6.0	50.6	163.0
13	8.0	8.0	11.0	10.0	7.0	6.0	12.0	11.0	8.0	9.0	15.0	7.0	12.0	14.0	18.0	15.0	32.0	18.0	17.0	21.0	19.0	19.0	33.0	X	14.3	33.0
14	X	19.0	17.0	17.0	15.0	13.0	15.0	17.0	13.0	19.0	17.0	19.0	55.0	39.0	53.0	103.0	86.0	45.0	88.0	17.0	49.0	25.0	16.0	11.0	33.4	103.0
15	17.0	16.0	20.0	10.0	21.0	16.0	16.0	37.0	30.0	37.0	47.0	61.0	49.0	30.0	19.0	19.0	21.0	14.0	15.0	16.0	23.0	13.0	19.0	21.0	24.5	61.0
16	13.0	43.0	26.0	37.0	35.0	26.0	48.0	51.0	70.0	93.0	87.0	80.0	63.0	59.0	27.0	41.0	68.0	21.0	17.0	10.0	22.0	49.0	54.0	125.0	48.5	125.0
17	37.0	20.0	17.0	19.0	15.0	22.0	21.0	43.0	44.0	56.0	135.0	150.0	87.0	77.0	82.0	134.0	143.0	123.0	19.0	23.0	9.0	75.0	24.0	13.0	57.8	150.0
18	16.0	20.0	15.0	18.0	12.0	27.0	47.0	73.0	93.0	138.0	121.0	39.0	33.0	45.0	51.0	77.0	55.0	51.0	47.0	57.0	69.0	67.0	36.0	38.0	51.9	138.0
19	50.0	36.0	21.0	23.0	23.0	33.0	34.0	35.0	40.0	48.0	55.0	38.0	47.0	45.0	42.0	47.0	46.0	47.0	47.0	71.0	43.0	29.0	56.0	26.0	40.9	71.0
20	22.0	20.0	29.0	29.0	17.0	17.0	17.0	17.0	19.0	45.0	75.0	108.0	185.0	144.0	135.0	99.0	240.0	154.0	111.0	227.0	148.0	183.0	142.0	109.0	95.5	240.0
21	45.0	48.0	46.0	57.0	31.0	27.0	91.0	75.0	29.0	58.0	81.0	84.0	146.0	152.0	88.0	82.0	70.0	123.0	123.0	25.0	16.0	6.0	7.0	6.0	63.2	152.0
22	9.0	9.0	12.0	7.0	2.0	4.0	3.0	5.0	8.0	37.0	65.0	83.0	83.0	134.0	148.0	232.0	122.0	242.0	116.0	63.0	174.0	144.0	183.0	167.0	85.5	242.0
23	256.0	273.0	194.0	309.0	216.0	185.0	161.0	51.0	44.0	194.0	335.0	154.0	217.0	217.0	C	C	57.0	55.0	194.0	325.0	163.0	383.0	303.0	237.0	205.6	383.0
24	19.0	26.0	11.0	6.0	3.0	7.0	49.0	24.0	42.0	17.0	8.0	30.0	28.0	43.0	37.0	47.0	33.0	19.0	24.0	31.0	28.0	46.0	41.0	81.0	29.2	24.0
25	40.0	22.0	43.0	68.0	30.0	46.0	72.0	114.0	91.0	83.0	86.0	88.0	356.0	480.0	347.0	293.0	185.0	253.0	252.0	215.0	70.0	298.0	69.0	24.0	151.0	480.0
26	19.0	225.0	110.0	14.0	17.0	15.0	48.0	232.0	393.0	810.0	627.0	746.0	498.0	787.0	985.0	300.0	153.0	409.0	621.0	582.0	138.0	437.0	297.0	376.0	368.3	985.0
27	252.0	521.0	390.0	253.0	101.0	72.0	103.0	96.0	140.0	102.0	136.0	97.0	208.0	258.0	170.0	96.0	83.0	442.0	346.0	302.0	183.0	322.0	209.0	228.0	212.9	521.0
28	42.0	7.0	6.0	5.0	3.0	0.0	1.0	6.0	4.0	4.0	5.0	13.0	17.0	22.0	22.0	34.0	26.0	30.0	23.0	35.0	26.0	23.0	27.0	26.0	17.0	42.0
29	24.0	34.0	32.0	29.0	50.0	44.0	55.0	89.0	99.0	80.0	105.0	97.0	124.0	143.0	138.0	151.0	121.0	105.0	172.0	159.0	163.0	58.0	111.0	107.0	95.4	172.0
30	85.0	122.0	39.0	20.0	28.0	22.0	107.0	137.0	101.0	137.0	133.0	81.0	81.0	244.0	116.0	180.0	125.0	145.0	260.0	235.0	185.0	227.0	137.0	123.0	127.9	260.0

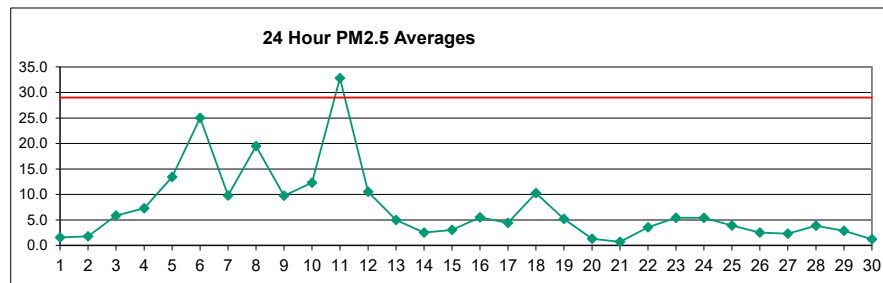
NO.	29	30	30	30	30	30	30	30	30	30	30	30	30	29	29	30	30	30	30	29	30	29	29	714	99.4%	
MEAN	49.3	68.7	51.2	46.6	33.5	35.0	49.0	61.3	63.8	98.2	106.2	98.2	100.9	125.1	113.0	95.9	83.9	97.6	102.6	100.5	69.2	96.8	77.3	75.5		
MAX	256.0	521.0	390.0	309.0	216.0	185.0	161.0	232.0	393.0	810.0	627.0	746.0	498.0	787.0	985.0	300.0	240.0	442.0	621.0	582.0	185.0	437.0	303.0	376.0		



Number of 24HR Exceedences	5	Proposed Guideline
Number of Non-Zero Readings	713	
Maximum 1-HR Average	985.0 UG/M3	
Maximum 24-HR Average	368.3 UG/M3	
IZS Calibration Time		Operational Time 716 HRS
Down Time 0		Operational Uptime 99.4 %
Standard Deviation 101.7		Monthly Average 79.1 UG/M3

Berm PM_{2.5} (µg/m³) – September 2025

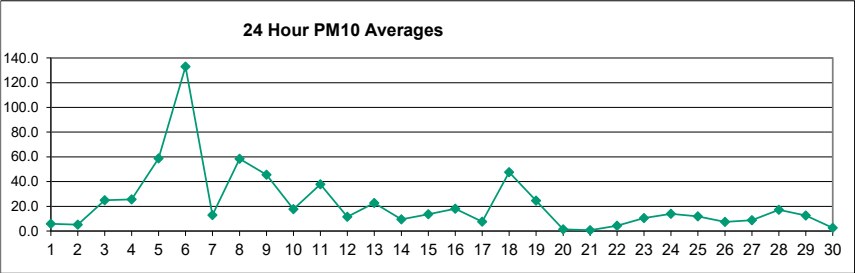
DAY	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.4	0.2	2.2	0.2	0.2	0.1	0.3	0.3	3.3	2.4	3.7	5.8	5.2	3.7	1.4	2.0	1.2	2.7	0.7	0.4	0.4	0.4	0.4	0.3	1.6	5.8
2	0.4	1.7	1.1	0.3	0.3	0.4	1.3	3.2	2.0	2.0	2.2	2.1	1.4	2.2	2.4	2.2	5.9	1.4	1.9	2.7	1.4	2.4	1.1	1.0	1.8	5.9
3	0.4	0.4	0.2	0.2	0.7	0.9	5.8	9.7	5.9	10.0	5.4	9.3	11.8	11.0	9.9	11.3	1.7	15.7	21.9	1.6	1.0	1.5	2.0	2.6	5.9	21.9
4	2.8	1.9	2.1	2.4	3.5	4.5	5.0	4.7	6.8	9.7	10.8	9.2	8.0	8.8	11.6	8.3	8.4	11.6	14.9	27.2	4.1	3.0	2.8	2.7	7.3	27.2
5	2.5	1.8	2.4	3.8	3.3	5.1	4.0	4.9	3.5	4.1	8.0	4.5	11.5	11.9	19.5	14.7	9.4	27.8	32.2	12.1	9.9	35.0	51.9	38.4	13.4	51.9
6	17.2	34.1	30.1	29.4	13.9	17.8	37.7	30.1	34.7	29.2	24.2	16.6	24.9	46.0	29.7	30.0	11.2	35.8	31.6	24.3	9.8	18.9	11.1	11.8	25.0	46.0
7	8.9	2.5	2.4	3.3	2.0	1.9	2.4	2.8	2.8	2.8	3.9	11.0	16.1	15.6	13.1	11.8	12.2	14.0	13.8	17.0	19.3	20.6	19.6	15.7	9.8	20.6
8	14.2	19.0	19.3	18.0	20.5	20.1	20.8	19.1	18.7	17.8	13.4	13.5	14.9	19.9	17.9	29.6	26.7	14.8	25.7	26.3	30.6	17.4	20.2	9.5	19.5	30.6
9	1.4	1.6	1.3	1.2	1.5	1.6	2.2	2.4	8.7	6.3	18.6	29.0	21.1	28.3	22.4	16.6	18.6	6.0	8.6	2.8	4.0	8.5	10.0	11.8	9.8	29.0
10	12.7	13.4	14.1	12.6	10.4	12.9	17.1	10.8	10.4	10.4	10.7	9.7	8.9	8.4	8.4	9.7	9.2	10.4	12.0	13.9	14.8	17.0	18.0	19.0	12.3	19.0
11	20.0	22.9	24.5	22.8	22.7	24.1	23.5	25.6	31.7	37.9	54.0	55.4	56.2	54.1	53.3	48.9	45.2	45.7	46.5	27.6	13.3	10.4	10.0	10.7	32.8	56.2
12	10.4	7.8	7.7	12.0	14.2	9.8	15.2	18.8	11.4	11.6	11.7	13.1	10.1	12.8	18.9	20.2	15.0	7.5	5.0	5.4	4.4	3.2	3.6	3.1	10.5	20.2
13	4.0	3.2	2.6	1.7	1.3	1.1	1.0	1.7	6.6	6.5	14.4	12.1	7.6	5.9	24.2	7.3	0.4	3.5	5.9	4.7	1.8	1.1	0.5	0.3	5.0	24.2
14	0.4	0.3	1.5	0.8	0.5	0.4	2.0	2.5	1.5	3.2	5.7	4.2	3.0	3.3	9.4	6.6	4.4	4.8	1.3	3.2	0.7	0.5	0.2	0.3	2.5	9.4
15	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.7	1.2	3.7	7.3	3.2	3.9	6.2	7.3	5.8	13.6	6.0	4.7	1.7	1.3	1.2	0.9	0.9	3.1	13.6
16	1.4	2.0	1.6	1.7	1.3	3.3	4.2	6.8	3.7	5.8	8.3	9.6	5.3	6.9	5.8	6.5	4.2	15.5	17.2	9.8	2.8	2.1	3.2	3.2	5.5	17.2
17	3.0	3.0	3.8	4.1	4.0	4.8	8.1	5.0	6.7	4.7	4.3	3.4	3.8	5.0	6.2	4.4	3.9	4.5	4.4	4.2	3.9	3.9	3.9	3.3	4.4	8.1
18	2.2	2.1	2.5	2.8	3.1	5.4	6.0	11.5	9.6	15.6	24.0	31.5	47.5	14.2	4.7	13.4	14.0	3.2	6.1	3.0	5.7	5.8	7.3	5.5	10.3	47.5
19	4.8	20.8	10.8	5.8	3.2	8.6	10.9	6.5	8.6	5.0	6.7	4.5	3.5	4.9	4.0	4.2	2.4	1.6	1.5	1.6	1.2	1.5	1.6	1.2	5.2	20.8
20	1.0	1.3	1.1	1.4	1.3	1.5	1.4	1.6	1.5	1.3	2.1	2.6	2.2	2.0	2.1	0.7	2.0	1.6	1.1	0.6	0.4	0.3	0.2	0.2	1.3	2.6
21	0.5	0.4	0.2	0.2	0.1	0.3	0.1	0.1	0.0	0.0	0.1	0.3	0.4	0.3	0.5	0.5	0.9	1.3	2.5	1.8	1.6	1.6	1.7	1.2	0.7	2.5
22	1.4	1.3	1.3	1.5	1.7	2.2	2.3	3.1	4.4	5.3	4.8	5.4	6.9	6.3	4.7	4.2	3.1	2.5	3.9	4.0	2.9	2.7	4.8	4.2	3.5	6.9
23	3.1	4.6	3.7	3.7	3.7	3.8	4.2	5.2	4.5	4.6	6.9	7.9	8.0	9.4	9.2	10.9	6.9	6.4	4.5	3.8	3.8	4.3	3.5	3.9	5.4	10.9
24	2.5	2.1	1.7	1.8	1.8	2.0	2.6	4.1	5.5	8.2	8.2	8.5	7.8	9.9	7.6	8.2	8.3	11.0	7.4	5.3	3.9	3.9	4.8	3.2	5.4	11.0
25	4.5	2.0	1.8	1.7	1.9	1.9	1.8	3.3	3.2	6.3	9.6	11.4	6.8	14.0	6.1	4.1	2.3	0.8	1.3	1.5	1.1	2.1	2.1	2.0	3.9	14.0
26	1.2	1.8	1.8	1.5	1.3	1.3	1.7	2.2	2.5	3.7	3.8	2.7	6.4	11.6	4.0	2.5	2.9	1.0	0.8	0.8	1.1	1.4	1.6	1.3	2.5	11.6
27	1.2	2.1	1.3	1.5	2.2	1.5	1.5	1.7	1.7	1.4	2.0	1.5	2.0	2.9	4.6	6.0	3.2	3.3	3.8	4.3	3.4	1.1	1.2	0.6	2.3	6.0
28	0.4	0.4	0.5	0.3	0.8	0.5	0.7	0.7	0.5	1.6	1.4	8.5	7.7	11.5	13.9	8.3	2.9	7.7	5.3	6.1	7.8	3.7	0.9	0.7	3.9	13.9
29	0.7	0.5	0.4	0.3	0.4	0.4	0.3	0.4	1.5	5.8	5.8	2.6	2.8	2.9	2.8	4.3	5.5	12.7	5.4	8.0	2.4	1.2	0.8	0.6	2.8	12.7
30	1.0	0.6	1.0	0.7	0.6	1.1	1.5	1.1	1.3	1.3	1.3	1.4	2.9	1.4	1.9	1.4	0.9	0.9	0.9	1.0	1.0	1.2	1.5	1.4	1.2	2.9
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	4.2	5.2	4.8	4.6	4.1	4.7	6.2	6.4	6.8	7.6	9.4	10.0	10.6	11.4	10.9	10.1	8.2	9.4	9.8	7.6	5.3	5.9	6.4	5.4		
MAX	20.0	34.1	30.1	29.4	22.7	24.1	37.7	30.1	34.7	37.9	54.0	55.4	56.2	54.1	53.3	48.9	45.2	45.7	46.5	27.6	30.6	35.0	51.9	38.4		



Number of 24HR Exceedences	1	Proposed Guideline	
Number of Non-Zero Readings	720		
Maximum 1-HR Average	56.2 UG/M3		
Maximum 24-HR Average	32.8 UG/M3		
		Operational Time	720 HRS
Monthly Calibration	0	Operational Uptime	100.0 %
Standard Deviation	9.3	Monthly Average	7.3 UG/M3

Berm PM₁₀ (µg/m³) – September 2025

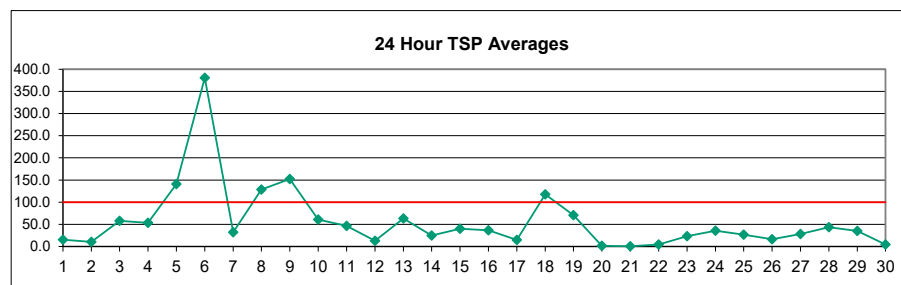
HOUR																								
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	0.4	0.2	3.3	0.2	0.2	0.1	6.3	0.5	15.5	11.6	15.6	22.1	22.7	14.0	4.7	7.3	3.6	8.7	1.2	0.8	0.6	0.5	0.6	0.4
2	0.5	6.8	2.7	0.4	0.3	0.4	5.1	12.7	6.1	6.2	4.7	5.4	2.5	5.9	5.6	4.4	30.2	3.1	3.3	4.7	1.7	6.7	1.9	1.2
3	0.4	0.5	0.2	0.2	0.7	2.1	23.7	45.9	25.0	43.9	21.1	41.9	51.4	45.2	45.5	53.5	4.8	72.3	108.2	3.6	1.5	1.8	2.0	2.6
4	2.8	1.9	2.1	2.4	4.3	6.8	7.5	7.8	21.8	39.1	50.6	37.1	29.7	32.8	41.9	32.8	26.1	50.3	61.2	132.5	11.0	4.5	2.9	3.3
5	2.8	1.8	2.4	5.1	4.0	11.2	7.8	13.4	8.3	11.8	27.0	15.2	45.5	45.0	72.6	60.8	36.1	121.9	158.1	59.4	44.3	185.7	271.2	200.7
6	82.2	170.4	147.2	136.5	55.7	89.5	203.2	154.5	181.5	169.6	138.0	81.9	132.6	259.4	173.6	191.1	61.5	198.8	183.5	134.2	44.9	100.8	49.4	51.0
7	35.8	6.1	5.0	9.2	3.6	2.7	3.2	4.0	3.4	3.8	5.7	12.0	17.8	17.5	16.5	14.5	14.6	17.4	16.8	19.0	21.8	24.0	20.0	15.7
8	14.2	19.0	19.8	18.0	21.4	21.7	28.9	25.7	24.7	21.6	19.3	30.4	39.6	81.9	58.9	124.2	133.7	74.1	132.7	123.0	141.3	79.9	102.1	44.6
9	2.3	2.2	1.6	1.4	2.5	3.5	4.3	5.6	28.5	15.7	99.2	150.5	120.3	167.4	133.6	91.7	110.6	35.0	49.3	10.8	11.3	15.5	13.7	15.7
10	15.8	16.0	17.8	15.1	12.0	19.7	31.7	18.2	16.7	17.3	17.6	17.4	18.9	17.4	17.1	19.0	14.9	13.5	15.3	17.6	17.4	18.2	20.0	19.0
11	23.0	25.7	27.8	25.4	26.1	27.7	26.5	31.4	38.9	44.8	62.0	64.1	67.3	63.5	59.4	59.4	55.8	53.5	47.1	34.6	13.3	10.4	10.0	10.7
12	10.4	7.8	7.7	12.0	14.2	9.8	15.2	18.8	11.4	11.6	11.7	16.8	21.5	20.1	19.7	20.2	15.0	7.5	5.1	5.4	5.0	3.2	4.1	3.1
13	4.0	3.2	2.6	1.7	1.3	1.1	1.0	3.3	26.8	30.4	75.4	68.5	37.1	26.2	142.3	42.0	0.6	16.3	30.7	20.5	5.4	2.8	0.6	0.3
14	0.4	0.3	1.9	0.8	0.5	0.4	3.5	5.8	3.9	13.2	25.3	17.1	11.7	12.7	49.1	34.2	14.7	19.9	3.2	4.5	0.7	0.5	0.2	0.3
15	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.7	1.9	12.1	23.1	11.4	15.4	31.6	43.1	28.3	95.0	28.4	20.7	4.3	1.5	1.2	0.9	0.9
16	1.6	3.2	1.9	2.0	1.3	3.7	13.2	23.0	8.7	20.2	29.9	46.5	17.7	28.3	21.2	22.3	9.7	51.0	77.9	39.0	2.8	2.1	3.4	3.2
17	3.0	3.3	4.4	5.0	4.5	7.0	25.8	7.7	17.3	8.9	8.5	5.6	7.4	11.8	14.9	6.9	5.4	7.2	7.2	5.1	4.6	4.0	4.4	3.3
18	2.2	2.1	2.5	2.8	3.1	9.5	11.3	42.9	32.8	71.2	129.5	172.9	309.5	67.4	12.3	59.6	58.2	8.3	22.6	6.3	30.1	27.5	34.5	23.8
19	21.3	127.7	54.8	25.8	9.2	43.2	68.4	28.3	43.4	22.8	32.8	19.0	13.3	21.3	14.3	18.1	7.4	3.8	3.3	3.9	1.6	1.9	2.3	1.2
20	1.0	1.3	1.1	1.4	1.3	1.5	1.4	1.6	1.5	1.3	2.1	2.6	2.2	2.0	2.1	0.7	2.0	1.6	1.1	0.6	0.4	0.3	0.2	0.2
21	0.5	0.4	0.2	0.2	0.1	0.3	0.1	0.1	0.0	0.0	0.1	0.3	0.4	0.3	0.5	0.5	0.9	1.3	2.5	1.8	1.6	1.6	1.7	1.2
22	1.4	1.3	1.3	1.5	1.7	2.2	2.3	3.1	4.4	5.3	4.8	10.4	13.7	7.7	5.8	4.3	3.1	2.5	4.4	4.1	2.9	2.7	5.8	4.2
23	3.1	4.6	3.7	3.7	3.7	3.8	4.2	5.8	5.6	7.7	19.2	23.9	23.3	27.3	28.8	34.5	13.4	8.7	5.4	6.0	4.7	4.3	3.5	3.9
24	2.5	2.1	1.7	1.8	1.8	2.0	2.6	9.1	17.9	27.6	21.8	23.5	19.7	35.7	20.9	24.2	19.0	44.1	26.9	13.9	4.1	3.9	5.1	3.2
25	6.3	2.0	1.8	1.7	1.9	1.9	1.8	5.0	3.8	23.8	50.0	55.7	28.2	51.0	21.1	10.6	3.8	0.8	1.9	1.5	1.1	2.8	2.5	2.8
26	1.2	2.5	2.6	1.5	1.3	1.3	1.7	2.2	3.5	8.1	8.8	5.1	28.0	65.6	17.0	7.3	8.5	1.4	1.0	0.8	1.1	1.7	1.6	1.3
27	1.2	2.2	1.3	1.5	2.4	1.5	1.5	1.7	1.7	1.4	3.2	4.0	7.1	14.6	25.6	36.8	17.5	15.5	22.0	24.4	14.7	4.3	3.8	1.3
28	1.0	0.7	1.0	0.8	2.1	1.0	1.3	1.8	1.1	5.4	5.6	38.5	37.1	49.9	54.8	35.1	10.5	43.6	30.5	29.6	40.2	17.0	1.6	1.3
29	1.2	0.7	0.4	0.3	0.4	0.4	0.3	0.4	5.6	22.6	19.3	9.3	9.1	12.5	8.6	27.1	31.7	78.5	26.9	34.2	8.1	1.8	0.8	0.6
30	1.7	0.6	1.2	0.7	0.6	1.2	2.5	1.2	2.2	2.5	3.5	4.3	13.9	4.5	6.4	3.4	1.8	1.5	1.5	1.5	1.4	1.2	1.9	1.7
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
MEAN	8.2	13.9	10.8	9.3	6.1	9.3	16.9	16.1	18.8	22.7	31.2	33.8	38.8	41.3	37.9	35.8	27.0	33.0	35.7	24.9	14.7	17.8	19.1	14.1
MAX	82.2	170.4	147.2	136.5	55.7	89.5	203.2	154.5	181.5	169.6	138.0	172.9	309.5	259.4	173.6	191.1	133.7	198.8	183.5	134.2	141.3	185.7	271.2	200.7



Number of Non-Zero Readings	720
Maximum 1-HR Average	309.5 UG/M3
Maximum 24-HR Average	133.0 UG/M3
Monthly Calibration	0
Standard Deviation	38.58
Operational Time	720 HRS
Operational Uptime	100.0 %
Monthly Average	22.4 UG/M3

Berm TSP ($\mu\text{g}/\text{m}^3$) – September 2025

DAY	HOUR																								MEAN	MAX
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.4	0.2	3.5	0.2	0.2	0.1	54.7	0.5	47.1	40.5	25.6	39.8	53.4	38.1	12.9	12.9	8.7	23.7	2.7	1.2	0.6	0.5	1.5	1.5	15.5	54.7
2	0.6	13.4	6.6	2.1	0.3	0.4	14.3	28.4	10.9	7.6	7.7	7.5	3.3	9.7	14.4	8.1	88.1	5.0	3.7	6.4	2.0	10.6	3.5	1.2	10.7	88.1
3	0.4	2.1	0.2	0.2	0.7	3.7	45.1	93.3	54.7	97.0	46.4	103.2	110.7	103.8	117.6	117.0	15.0	171.4	278.2	12.2	2.5	5.7	2.0	2.6	57.7	278.2
4	2.8	1.9	2.1	2.4	5.6	7.1	10.0	13.6	57.9	82.2	124.0	84.8	57.9	59.4	65.2	72.8	51.5	93.2	137.9	279.3	49.6	13.6	2.9	4.3	53.4	279.3
5	3.0	1.8	2.4	7.4	6.7	21.3	16.0	28.4	31.6	25.1	44.6	34.4	93.6	87.8	171.2	165.9	94.1	255.1	374.2	166.0	102.9	466.0	690.9	492.3	140.9	690.9
6	175.7	328.3	289.5	281.1	143.0	242.6	574.6	442.9	555.5	520.2	401.0	202.7	386.5	821.5	572.2	662.5	204.5	612.1	574.2	395.1	157.4	302.5	150.1	131.8	380.3	821.5
7	75.2	18.9	32.0	92.6	29.0	17.6	21.9	20.4	17.6	17.1	21.4	22.0	24.6	29.3	27.1	27.4	28.6	40.1	60.9	38.6	33.9	38.7	20.0	15.7	32.1	92.6
8	14.2	19.0	20.6	18.0	21.4	27.0	55.0	41.5	38.9	25.0	25.3	52.4	66.1	180.8	122.0	276.1	360.5	194.4	338.1	292.2	310.2	187.4	287.5	107.0	128.3	360.5
9	4.8	7.5	3.1	2.0	12.3	14.9	20.4	31.3	236.1	121.3	311.7	436.9	350.4	521.3	427.1	320.8	355.1	157.0	177.9	42.6	30.8	33.6	18.1	22.7	152.5	521.3
10	24.1	22.1	39.1	29.7	13.9	29.8	48.8	43.9	47.8	29.7	47.1	78.1	142.1	150.5	213.4	189.4	102.9	44.3	46.8	35.5	23.4	18.2	20.0	19.0	60.8	213.4
11	26.4	33.4	48.2	38.7	36.0	46.0	35.6	43.3	49.4	45.8	62.0	78.1	81.7	70.2	74.9	70.7	77.6	60.9	47.1	50.4	13.3	10.4	10.0	10.7	46.7	81.7
12	10.4	7.8	7.7	12.0	14.2	9.8	15.2	18.8	11.4	11.6	11.7	25.6	35.1	26.5	19.9	20.2	15.0	7.5	5.2	5.4	7.2	3.2	4.3	3.1	12.9	35.1
13	4.0	3.2	2.6	1.7	1.3	1.1	1.0	3.8	58.9	67.7	201.4	201.4	107.7	65.3	435.2	158.6	0.7	64.8	85.8	42.1	8.6	5.0	0.9	0.3	63.5	435.2
14	0.4	0.3	1.9	0.8	0.5	0.4	4.1	13.1	10.1	23.6	53.5	33.3	33.8	46.0	166.4	105.5	33.4	44.3	16.5	4.5	0.7	0.5	0.2	0.3	24.8	166.4
15	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.7	2.8	24.1	43.9	37.0	31.5	95.7	135.2	78.4	337.4	79.3	66.4	12.1	5.2	1.2	0.9	0.9	39.9	337.4
16	2.1	3.5	5.5	3.5	1.3	3.7	28.5	39.4	14.9	33.7	61.4	104.1	48.4	67.3	45.6	60.2	24.6	74.8	164.3	79.6	2.8	2.1	3.6	3.2	36.6	164.3
17	3.0	5.4	5.6	7.8	6.9	13.5	62.7	8.9	27.2	13.5	13.0	18.8	39.8	25.7	23.7	12.3	13.7	15.9	12.8	9.3	5.8	4.0	5.6	3.3	14.9	62.7
18	2.2	2.1	2.5	2.8	3.1	11.2	19.8	90.4	63.3	142.5	282.6	433.2	778.2	176.5	31.7	143.4	150.5	23.1	54.4	20.9	133.9	84.0	99.3	76.3	117.8	778.2
19	71.2	370.2	147.7	61.3	25.5	154.8	242.9	77.9	128.3	69.6	81.7	47.9	37.5	48.1	30.2	38.4	17.3	11.5	13.4	12.7	3.1	2.9	4.6	1.2	70.8	370.2
20	1.0	1.3	1.1	1.4	1.3	1.5	1.4	1.6	1.5	1.3	2.1	2.6	2.2	2.0	2.1	0.7	2.0	1.6	1.1	0.6	0.4	0.3	0.2	0.2	1.3	2.6
21	0.5	0.4	0.2	0.2	0.1	0.3	0.1	0.1	0.0	0.0	0.1	0.3	0.4	0.3	0.5	0.5	0.9	1.3	2.5	1.8	1.6	1.6	1.7	1.2	0.7	2.5
22	1.4	1.3	1.3	1.5	1.7	2.2	2.3	3.1	4.4	5.3	4.8	11.3	14.0	7.7	5.8	4.5	3.1	2.5	4.9	5.6	2.9	2.7	8.3	4.2	4.5	14.0
23	3.1	4.6	3.7	3.7	3.7	3.8	4.2	6.8	5.8	13.3	45.7	60.1	58.9	64.6	84.6	104.4	34.7	13.3	8.0	7.4	10.1	4.3	3.5	3.9	23.2	104.4
24	2.5	2.1	1.7	1.8	1.8	2.0	2.6	25.8	53.3	64.8	56.9	64.0	51.6	92.4	48.5	53.6	40.6	144.2	82.2	44.0	5.7	3.9	7.8	3.2	35.7	144.2
25	11.4	2.0	1.8	1.7	1.9	1.9	1.8	8.0	3.8	71.6	111.0	142.4	72.4	102.6	62.6	20.8	6.7	0.8	4.3	1.5	1.1	3.4	2.5	3.5	26.7	142.4
26	1.2	2.8	6.5	1.5	1.3	1.3	1.7	2.2	3.9	14.5	13.5	6.4	64.0	174.2	53.2	18.3	20.8	1.4	1.0	0.8	1.1	1.7	1.6	1.3	16.5	174.2
27	1.2	2.2	1.3	1.5	2.5	1.5	1.5	1.7	1.7	1.4	4.3	5.8	24.1	53.8	106.6	121.1	64.6	47.0	92.1	78.7	40.4	7.0	11.8	2.2	28.2	121.1
28	1.6	1.3	1.7	1.9	2.9	1.1	1.7	6.8	2.8	11.6	11.8	101.2	99.7	95.1	91.0	74.5	19.4	147.3	123.2	75.1	120.2	43.5	2.6	3.2	43.4	147.3
29	3.1	0.7	0.4	0.3	0.4	0.4	0.3	0.4	11.2	31.5	31.8	20.7	22.9	25.3	23.0	104.0	127.6	239.4	90.5	88.6	21.6	1.8	0.8	0.6	35.3	239.4
30	2.5	0.6	1.3	0.7	0.6	1.2	2.8	1.2	2.3	2.8	8.8	6.4	19.7	8.3	19.4	7.4	4.5	1.6	5.0	2.1	4.6	1.2	2.7	1.7	4.6	19.7
NO.	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720	100%
MEAN	15.0	28.7	21.4	19.4	11.4	20.8	43.1	36.6	51.8	53.9	71.9	82.1	97.1	108.3	106.8	101.7	76.8	86.0	95.8	60.4	36.8	42.0	45.6	30.8		
MAX	175.7	370.2	289.5	281.1	143.0	242.6	574.6	442.9	555.5	520.2	401.0	436.9	778.2	821.5	572.2	662.5	360.5	612.1	574.2	395.1	310.2	466.0	690.9	492.3		



Number of 24HR Exceedences	5	Proposed Guideline
Number of Non-Zero Readings	720	
Maximum 1-HR Average	821.5 UG/M3	
Maximum 24-HR Average	380.3 UG/M3	
IZS Calibration Time		Operational Time
Monthly Calibration	0	Operational Uptime
Standard Deviation	107.8	Monthly Average
		720 HRS
		100.0 %
		56.0 UG/M3