

LAFARGE CANADA INC.

AMBIENT AIR QUALITY MONTHLY REPORT

AUGUST 2024

SEPTEMBER 30, 2024



wsp



AMBIENT AIR QUALITY MONTHLY REPORT

AUGUST 2024

LAFARGE CANADA INC.

PROJECT NO.: CA0027285.7620
DATE: SEPTEMBER 30, 2024

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September 30, 2024

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

Attention: Nikolaos Veriotes P. Eng.

Dear Mr. Veriotes,

Subject: Ambient Air Quality Monthly Report – August 2024

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

| Lagoon | Data Completeness (%) | 1-Hour Average | 24-hour Average |
|------------------------|-----------------------|-------------------------------|----------------------|
| | | Exceedances of AAAQO or AAAQG | Exceedances of AAAQO |
| TSP | 99.6% | - | 0 |
| PM _{2.5} | 100.0% | 0 | 0 |
| PM ₁₀ | 98.5% | - | - |
| NO | 100.0% | - | - |
| NO ₂ | 100.0% | 0 | - |
| NO _x | 100.0% | - | - |
| SO ₂ | 100.0% | 0 | 0 |
| Temperature | 100.0% | - | - |
| Wind Speed / Direction | 100.0% | - | - |
| Pressure | 100.0% | - | - |
| Relative Humidity | 100.0% | - | - |
| Precipitation | 100.0% | - | - |

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

| Windridge | Data Completeness (%) | 1-Hour Average | 24-hour Average | |
|-------------------|-----------------------|----------------------|--|--------------------------|
| | | Exceedances of AAAQG | Exceedances of PM _{2.5} AAAQO | Exceedances of TSP AAAQO |
| TSP | 99.7 | - | - | 3 |
| PM _{2.5} | 99.9 | 0 | 0 | - |
| PM ₁₀ | 99.9 | - | - | - |

The GRIMM monitors are considered Industrial Ambient Monitors and are meant for assessing the performance of Lafarge Exshaw’s Fugitive Dust Control Best Management Practices – Program; the GRIMM monitors are not Air Monitoring Directive (AMD) compliant. This Program uses the AAAQOs as Guidelines. The following table summarizes the data completeness and exceedances of the Guidelines at the GRIMM Monitors for August 2024.

| GRIMM Stations | Data Completeness (%) | 1-Hour Average | 24-hour Average | |
|----------------|-----------------------|---|---|-------------------------------|
| | | Exceedances of PM _{2.5} Guidelines | Exceedances of PM _{2.5} Guidelines | Exceedances of TSP Guidelines |
| West | 87.5 | 0 | 1 | 0 |
| Berm | 30.5 | 1 | 0 | 2 |
| 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,

Chris Koscher, EP, PMP, B.Sc.H.
Senior Principal Air Quality Scientist
Vancouver Region

SIGNATURES

PREPARED BY



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



September 26, 2024

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TABLE OF CONTENTS

| | | |
|-----|-------------------------------------|----|
| 1 | INTRODUCTION | 1 |
| 1.1 | Exshaw Creek Flood Mitigation | 1 |
| 2 | AUGUST 2024 REPORT SUMMARY | 3 |
| 2.1 | Lagoon Station | 3 |
| 2.2 | Windridge Station | 4 |
| 2.3 | West Grimm | 4 |
| 2.4 | Berm Grimm | 5 |
| 2.5 | Entrance Grimm | 6 |
| 3 | LAGOON STATION | 7 |
| 3.1 | Operational Summary | 7 |
| 3.2 | Monitoring Results and Trends | 8 |
| 4 | WINDRIDGE STATION | 19 |
| 4.1 | Operational Summary | 19 |
| 4.2 | Monitoring Results and Trends | 19 |
| 5 | WEST INDUSTRIAL GRIMM | 29 |
| 5.1 | Operational Summary | 29 |
| 5.2 | Monitoring Results and Trends | 29 |
| 6 | BERM INDUSTRIAL GRIMM | 36 |
| 6.1 | Operational Summary | 36 |
| 6.2 | Monitoring Results and Trends | 36 |
| | BIBLIOGRAPHY | 43 |

TABLES

| | |
|-----------|--|
| TABLE 2-1 | LAGOON STATION DATA SUMMARY3 |
| TABLE 2-2 | WINDRIDGE STATION DATA SUMMARY4 |
| TABLE 2-3 | WEST STATION DATA SUMMARY5 |
| TABLE 3-1 | INSTRUMENTATION LIST AT THE LAGOON STATION7 |
| TABLE 3-2 | SUMMARY OF AUGUST 2024 DATA AT LAGOON10 |
| TABLE 4-1 | INSTRUMENTATION LIST AT THE WINDRIDGE MONITORING LOCATION19 |
| TABLE 4-2 | SUMMARY OF AUGUST 2024 DATA AT THE WINDRIDGE STATION21 |
| TABLE 4-3 | DAYS EXCEEDING THE TSP AAAQO OR PM _{2.5} AAAQO AT THE WINDRIDGE STATION22 |
| TABLE 5-1 | INSTRUMENTATION LIST AT THE WEST MONITORING LOCATION29 |
| TABLE 5-2 | SUMMARY OF AUGUST 2024 DATA AT THE WEST GRIMM30 |
| TABLE 5-3 | DAYS EXCEEDING THE GUIDELINE FOR TSP OR PM _{2.5} AT THE WEST MONITORS31 |
| TABLE 6-1 | INSTRUMENTATION LIST AT THE BERM MONITORING LOCATION36 |
| TABLE 6-2 | SUMMARY OF AUGUST 2024 DATA AT THE BERM GRIMM37 |
| TABLE 6-3 | DAYS EXCEEDING THE GUIDELINE FOR TSP OR PM _{2.5} AT THE BERM MONITOR38 |

FIGURES

| | |
|------------|--|
| FIGURE 1-1 | LOCATIONS OF AIR QUALITY MONITORS IN EXSHAW1 |
| FIGURE 1-2 | PHOTO OF COMPLETED FLOOD MITIGATION WORK AT EXSHAW CREEK.....2 |
| FIGURE 3-1 | INLETS ON THE TOP OF WSP'S LAGOON MONITOR8 |
| FIGURE 3-2 | 1-HOUR CONCENTRATIONS OF NO _x , SO ₂ , PARTICULATE MATTER, |

| | | |
|-------------|--|----|
| | WIND DIRECTION AND WIND SPEED AT THE LAGOON STATION..... | 11 |
| FIGURE 3-3 | HISTOGRAM OF HOURLY NO ₂ CONCENTRATIONS AT THE LAGOON STATION..... | 12 |
| FIGURE 3-4 | HISTOGRAM OF HOURLY SO ₂ CONCENTRATIONS AT THE LAGOON STATION..... | 12 |
| FIGURE 3-5 | HISTOGRAM OF HOURLY PM _{2.5} CONCENTRATIONS AT THE LAGOON STATION..... | 13 |
| FIGURE 3-6 | HISTOGRAM OF HOURLY PM ₁₀ CONCENTRATIONS AT THE LAGOON STATION..... | 13 |
| FIGURE 3-7 | HISTOGRAM OF HOURLY TSP CONCENTRATIONS AT THE LAGOON STATION..... | 14 |
| FIGURE 3-8 | 24-HOUR CONCENTRATIONS OF NO _x , SO ₂ , AND PARTICULATE MATTER AT THE LAGOON MONITOR | 15 |
| FIGURE 3-9 | LAGOON MONITOR PARTICULATE MATTER TIME VARIATION | 16 |
| FIGURE 3-10 | LAGOON MONITOR SO ₂ TIME VARIATION | 17 |
| FIGURE 3-11 | LAGOON MONITOR NO _x TIME VARIATION | 18 |
| FIGURE 4-1 | 1-HOUR PARTICULATE MATTER CONCENTRATIONS RECORDED AT THE WINDRIDGE MONITOR | 23 |
| FIGURE 4-2 | HISTOGRAM OF HOURLY PM _{2.5} CONCENTRATIONS AT THE WINDRIDGE STATION | 24 |
| FIGURE 4-3 | HISTOGRAM OF HOURLY PM ₁₀ CONCENTRATIONS AT THE WINDRIDGE STATION | 24 |
| FIGURE 4-4 | HISTOGRAM OF HOURLY TSP CONCENTRATIONS AT THE WINDRIDGE STATION | 25 |
| FIGURE 4-5 | 24-HOUR PARTICULATE MATTER CONCENTRATIONS AT THE WINDRIDGE MONITOR..... | 26 |
| FIGURE 4-6 | WIND ROSE FOR TSP EXCEEDANCE DAYS RECORDED AT THE WINDRIDGE STATION..... | 27 |
| FIGURE 4-7 | WINDRIDGE PARTICULATE MATTER TIME VARIATION..... | 28 |



| | | |
|------------|--|----|
| FIGURE 5-1 | 1-HOUR PARTICULATE MATTER CONCENTRATIONS AT THE WEST MONITOR | 32 |
| FIGURE 5-2 | 24-HOUR PARTICULATE MATTER CONCENTRATIONS AT THE WEST MONITOR | 33 |
| FIGURE 5-3 | WIND ROSE FOR PM2.5 EXCEEDANCE DAY RECORDED AT THE WEST GRIMM..... | 34 |
| FIGURE 5-4 | WEST MONITOR PARTICULATE MATTER TIME VARIATION | 35 |
| FIGURE 6-1 | 1-HOUR PARTICULATE MATTER CONCENTRATIONS RECORDED AT THE BERM MONITOR | 39 |
| FIGURE 6-2 | 24-HOUR PARTICULATE MATTER CONCENTRATIONS RECORDED AT THE BERM MONITOR | 40 |
| FIGURE 6-3 | WINDROSE FOR TSP EXCEEDANCE DAYS RECORDED AT THE BERM GRIMM..... | 41 |
| FIGURE 6-4 | BERM PARTICULATE MATTER TIME VARIATION | 42 |

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 Lafarge Canada Inc. (Lafarge) and are a requirement of Lafarge’s Approval 1702-02-04. This report contains data collected between August 1, 2024 and August 31, 2024.

This monthly report was prepared by Yuhao Hua, Air Quality Specialist with WSP, on behalf of Lafarge, and was reviewed by Tuonan Li, Associate Air Quality Scientist with WSP, and approved by Chris Koscher, Senior Principal Air Quality Scientist at WSP.

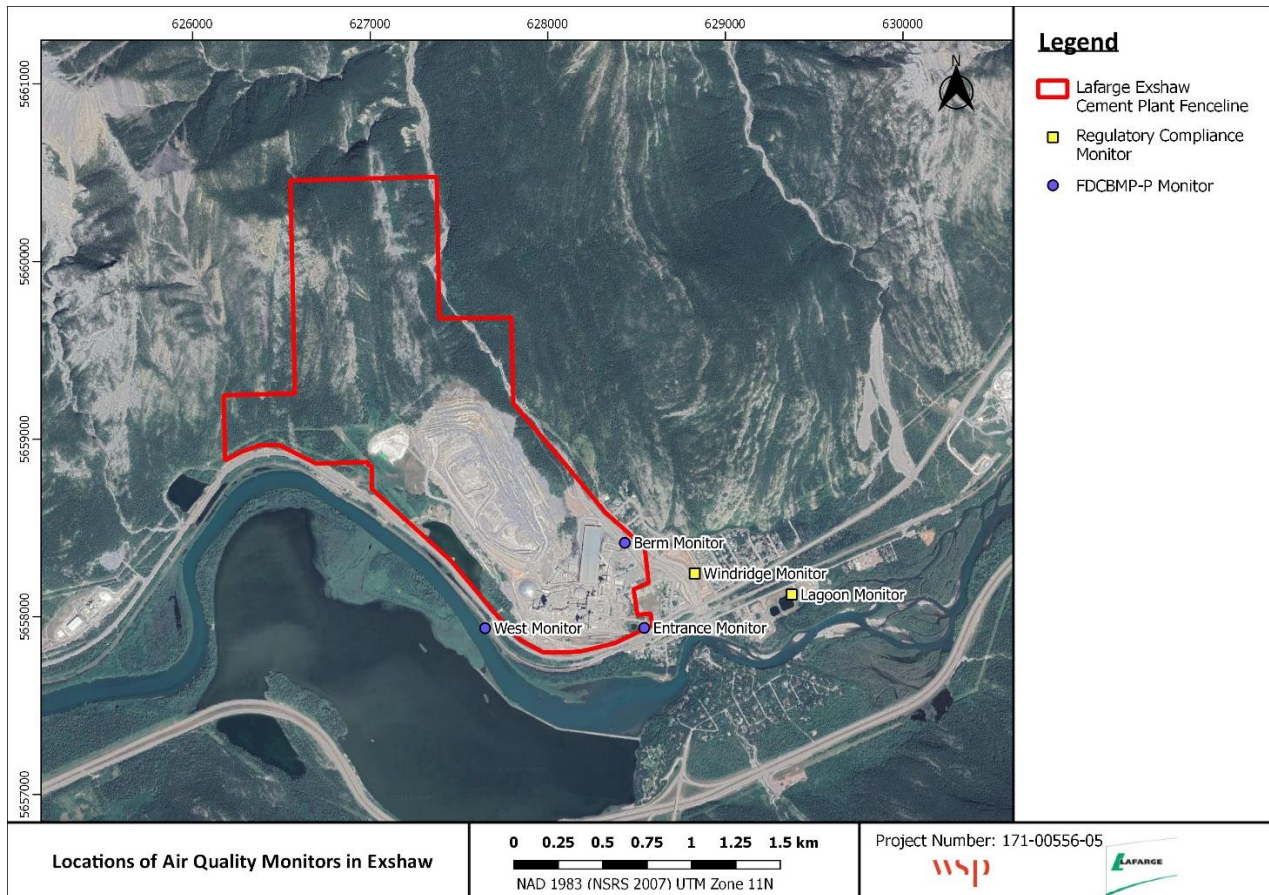


Figure 1-1 Locations of Air Quality Monitors in Exshaw

1.1 EXSHAW CREEK FLOOD MITIGATION

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



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

2 AUGUST 2024 REPORT SUMMARY

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

2.1 LAGOON STATION

Table 2-1 Lagoon station data summary

| Parameter | Data Completeness (%) | 1-Hour Average | | 24-hour Average | |
|--|-----------------------|-----------------------|-------------------------------|-----------------------|----------------------|
| | | Maximum Concentration | Exceedances of AAAQO or AAAQG | Maximum Concentration | Exceedances of AAAQO |
| NO₂ (ppb) | 100.0 | 26.7 | 0 | 9.6 | - |
| SO₂ (ppb) | 100.0 | 9.7 | 0 | 2.8 | 0 |
| PM_{2.5} (µg/m³) | 100.0 | 56.3 | 0 ¹ | 28.9 | 0 |
| PM₁₀ (µg/m³) | 98.5 | 342.9 | - | 53.2 | - |
| TSP (µg/m³) | 99.6 | 578.6 | - | 84.2 | 0 |
| Temperature (°C) | 100.0 | 31.2 | - | 22.5 | - |
| Wind Speed (km/hr) /Direction (Degrees) | 100.0 | 40.6/W | - | 29.4/WSW | - |
| Precipitation (mm) | 100.0 | 12 ² | - | 90.75 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 was no exceedance of the 24-hour PM_{2.5} AAAQO.
- There was no exceedance of the 1-hour PM_{2.5} AAAQG.
- There was no exceedance of the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- At the Lagoon station, NO₂ and SO₂ analyzers recorded 100% uptime during the month of August.
- The PM_{2.5} analyzer recorded 100% uptime for the month of August.
- The meteorological sensors recorded 100% uptime for the month of August.
- The TSP analyzer recorded 99.6% uptime for the month of August due to 3 hours of equipment malfunction occurring on August 12nd, 22nd and 24th at 2:00.
- The PM₁₀ analyzer recorded 98.5% uptime for the month of August due to 8 hours of equipment malfunction on August 21st between 2:00 and 9:00, and 3 hours of non routine maintenance occurring on August 21st between 10:00 and 12:00.

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) | 99.9 | 71.0 | 0* | 25.6 | 0 |
| PM ₁₀ (µg/m ³) | 99.9 | 448.0 | - | 106.1 | - |
| TSP (µg/m ³) | 99.7 | 464.0 | - | 153.4 | 3 |

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

Data Quality Notes:

- There was no exceedance of the 24-hour PM_{2.5} AAAQO.
- There was no exceedance of the 1-hour PM_{2.5} AAAQG.
- There were 3 days exceeding the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- At the Windridge station, the PM₁₀ and PM_{2.5} analyzer recorded 99.9% uptime for the month of August due to 1 hour of equipment malfunction occurring on August 10th at 15:00.
- The TSP analyzer recorded 99.7% uptime for the month of August due to 1 hour of equipment malfunction occurring on August 5th at 19:00 and August 10th at 15:00.

2.3 WEST GRIMM

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

Table 2-3 West station data summary

| Parameter | Data Completeness (%) | 1-Hour Average | | 24-hour Average | |
|--|-----------------------|-----------------------|----------------------|-----------------------|----------------------|
| | | Maximum Concentration | Exceedances of AAAQG | Maximum Concentration | Exceedances of AAAQO |
| PM _{2.5} (µg/m ³) | 87.5 | 55.9 | 0* | 29.5 | 1 |
| PM ₁₀ (µg/m ³) | 87.5 | 68.2 | - | 32.7 | - |
| TSP (µg/m ³) | 87.5 | 68.2 | - | 32.7 | 0 |

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

Data Quality Notes:

- There was 1 day exceeding the 24-hour PM_{2.5} AAAQO.
- There was no exceedance of the 1-hour PM_{2.5} AAAQG.
- There were no exceedances the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- At the West station, the TSP, PM₁₀ and PM_{2.5} analyzer recorded 87.5% uptime for the month of August due to 93 hours of equipment malfunction occurring from August 28th at 4:00 to the end of the month.

2.4 BERM GRIMM

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

Table 2-4 Berm station data summary

| Parameter | Data Completeness (%) | 1-Hour Average | | 24-hour Average | |
|--|-----------------------|-----------------------|----------------------|-----------------------|----------------------|
| | | Maximum Concentration | Exceedances of AAAQG | Maximum Concentration | Exceedances of AAAQO |
| PM _{2.5} (µg/m ³) | 30.5 | 79.3 | 1* | 20.1 | 0 |
| PM ₁₀ (µg/m ³) | 30.5 | 650.0 | - | 101.6 | - |
| TSP (µg/m ³) | 30.5 | 2246.5 | - | 311.9 | 2 |

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

Data Quality Notes:

- There was no exceedance of the 24-hour PM_{2.5} AAAQO.

- There was 1 hour exceeding the 1-hour PM_{2.5} AAAQG.
- There were 2 days exceeding the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- At the Berm station, the TSP, PM₁₀ and PM_{2.5} analyzer recorded 30.5% uptime for August due to 517 hours of equipment malfunction spanning the entire month.
-

2.5 ENTRANCE GRIMM

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

Calibration/Maintenance Notes:

- The analyzer had 0% uptime for the month of August due to the equipment malfunction.

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 and tables and graphs illustrating the monitoring results for August 2024.

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

3.1 OPERATIONAL SUMMARY

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

Table 3-1 Instrumentation List at the Lagoon Station

| Parameter Measured | Equipment Description | Notes |
|--|--|--|
| PM_{2.5} Concentrations | MetOne BAM-1020 FRM Continuous Particulate Monitor | The PM _{2.5} monitor was calibrated on August 24 th . The monitor had 100% uptime for the month of August. |
| PM₁₀ Concentrations | MetOne BAM-1020 Continuous Particulate Monitor | The PM ₁₀ monitor was calibrated on August 24 th . The monitor had 98.5% uptime for the month of August due to 8 hours of equipment malfunction occurring on August 21 st between 2:00 and 9:00, and 3 hours of non routine maintenance occurring on August 21 st between 10:00 and 12:00. |
| TSP Concentrations | MetOne BAM-1020 Continuous Particulate Monitor | The TSP monitor was calibrated on August 24 th . The monitor had 99.6% uptime for the month of August due to 3 hours of equipment malfunction occurring on August 12 nd , 22 nd and 24 th at 2:00. |
| Oxides of Nitrogen | TEI 42C | The NO _x monitor was calibrated on August 14 th . The monitor had 100% uptime for the month of August. |

| Parameter Measured | Equipment Description | Notes |
|----------------------------|-----------------------------------|--|
| Sulphur Dioxide | Teledyne API 102A | The SO ₂ monitor was calibrated on August 14 th . The monitor had 100% uptime for the month of August. |
| Precipitation | MetOne 130 Rain/Snow Gauge | The monitor had 100% uptime for the month of August. |
| Wind Speed | MetOne Wind Sensor | The monitor had 100% uptime for the month of August. |
| Wind Direction | | |
| Ambient Temperature | MetOne Ambient Temperature Sensor | The monitor had 100% uptime for the month of August. |



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 August 2024. Figure 3-2 graphically illustrates the time series for hourly concentrations as well as wind speed and direction, while Figure 3-8 shows daily average concentrations recorded during August 2024 for the pollutants listed in Table 3-2. Additionally, Figure 3-3 to Figure 3-7 show the histograms of the hourly concentrations of NO₂, SO₂, PM_{2.5}, PM₁₀, and TSP measured at the Lagoon station.

There was no exceedance of the 24-hour TSP AAAQO (100 µg/m³), the 24-hour PM_{2.5} AAAQO (29 µg/m³) and the 1-hour PM_{2.5} AAAQG (80 µg/m³) at the station this month.

Historically in August, the average number of 24-hour TSP AAAQO exceedances and 24-hour PM_{2.5} AAAQO exceedances were 1 and 2 respectively. The maximum number of 24-hour TSP AAAQO exceedances recorded in August were 5 days in 2021. The maximum number of 24-hour PM_{2.5} AAAQO exceedances recorded in August were 16 days in 2021.

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

Table 3-2 Summary of August 2024 data at Lagoon

| Parameter | Guideline / Objectives | | Station | Exceedances | | Monthly | | 1-hour | | | | 24-hour | | Operational Time (Percent) | |
|---|------------------------|-------|---------|-------------|-------|---------|---------|---|-----|------|--------------------|--------------------------|---|----------------------------|-------|
| | 1-hr | 24-hr | | 1-hr | 24-hr | Minimum | Average | Maximum Concentration/ Meteorological Variable | Day | Hour | Wind Speed (km/hr) | Wind Direction (degrees) | Maximum Concentration/ Meteorological Variable | | Day |
| NO₂ (ppb) | 159 | - | Lagoon | 0 | - | 0.6 | 6.6 | 26.7 | 1 | 11 | 4.4 | 246.6 | 9.6 | 2 | 100.0 |
| SO₂ (ppb) | 172 | 48 | Lagoon | 0 | 0 | 0.0 | 0.9 | 9.7 | 27 | 14 | 15.8 | 243.4 | 2.8 | 27 | 100.0 |
| PM_{2.5} (µg/m³) | 80 | 29 | Lagoon | 0 | 0 | 0.0 | 9.7 | 56.3 | 3 | 12 | 5.4 | 287.0 | 28.9 | 3 | 100.0 |
| PM₁₀ (µg/m³) | - | - | Lagoon | - | - | 0.0 | 26.0 | 342.9 | 3 | 17 | 9.9 | 267.4 | 53.2 | 3 | 98.5 |
| TSP (µg/m³) | - | 100 | Lagoon | - | 0 | 3.1 | 39.5 | 578.6 | 3 | 17 | 9.9 | 267.4 | 84.2 | 3 | 99.6 |
| Temperature (°C) | - | - | Lagoon | - | - | 4.7 | 15.8 | 31.2 | 1 | 18 | 17.7 | 66.8 | 22.5 | 1 | 100.0 |
| Wind Speed (km/hr)/Direction (degrees) | - | - | Lagoon | - | - | 0.2 | 11.1 | 40.6/W | 24 | 9 | 40.6 | 223.5 | 29.4/WSW | 24 | 100.0 |
| Precipitation (mm) | - | - | Lagoon | - | - | 0.0 | 0.1 | 12.0 ¹ | 23 | 23 | 11.3 | 313.5 | 90.8 ² | - | 100.0 |

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

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

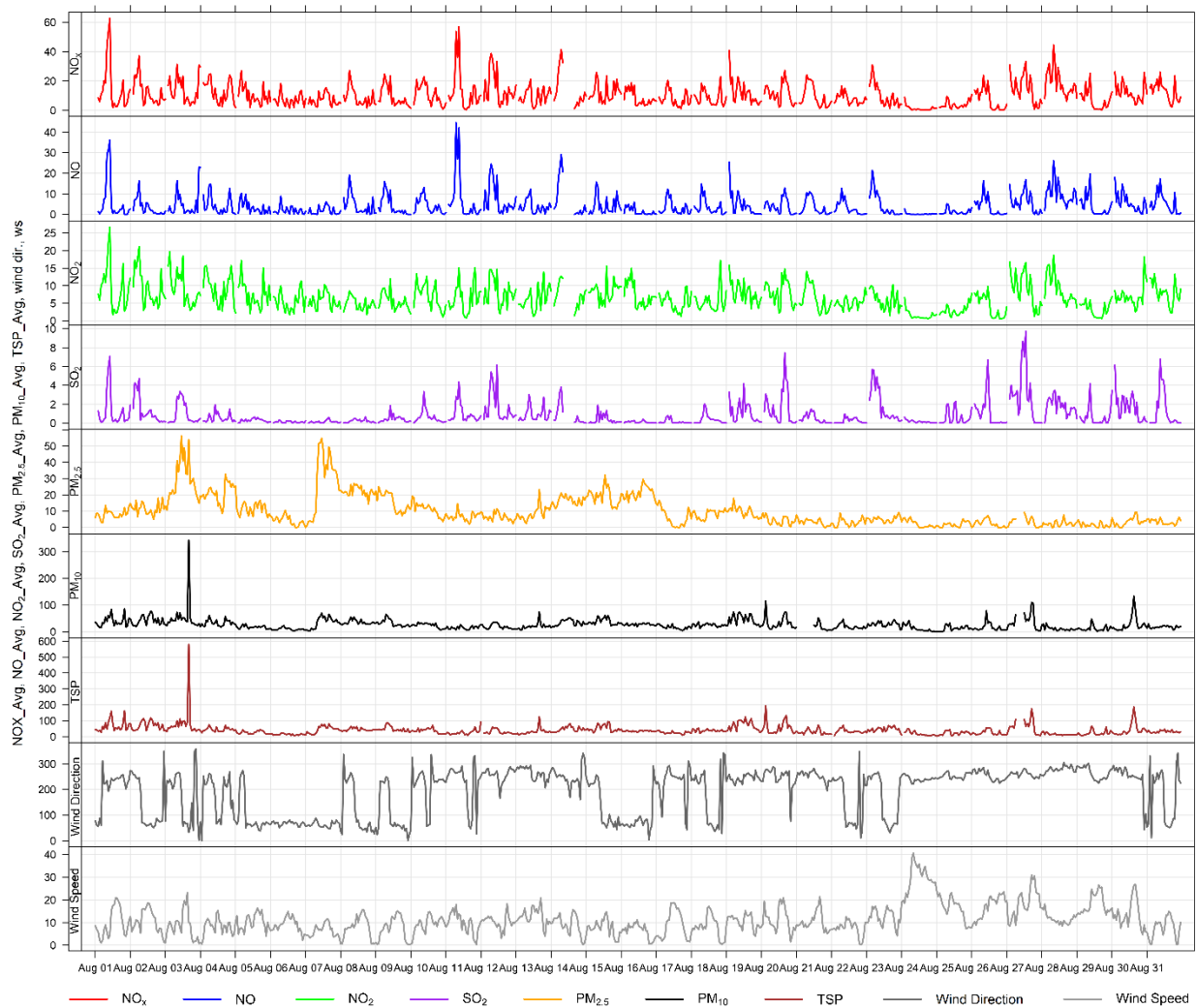


Figure 3-2 1-hour concentrations of NO_x, SO₂, particulate matter, wind direction and wind speed at the Lagoon station

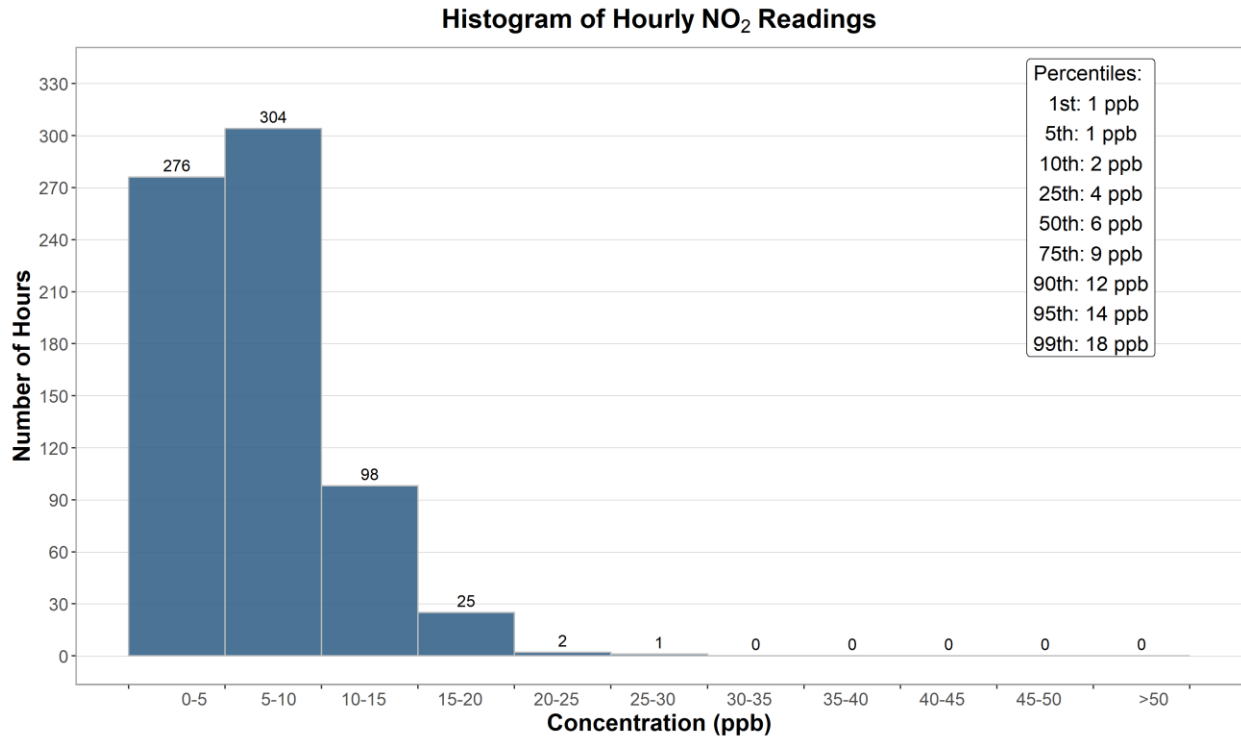


Figure 3-3 Histogram of hourly NO₂ concentrations at the Lagoon station

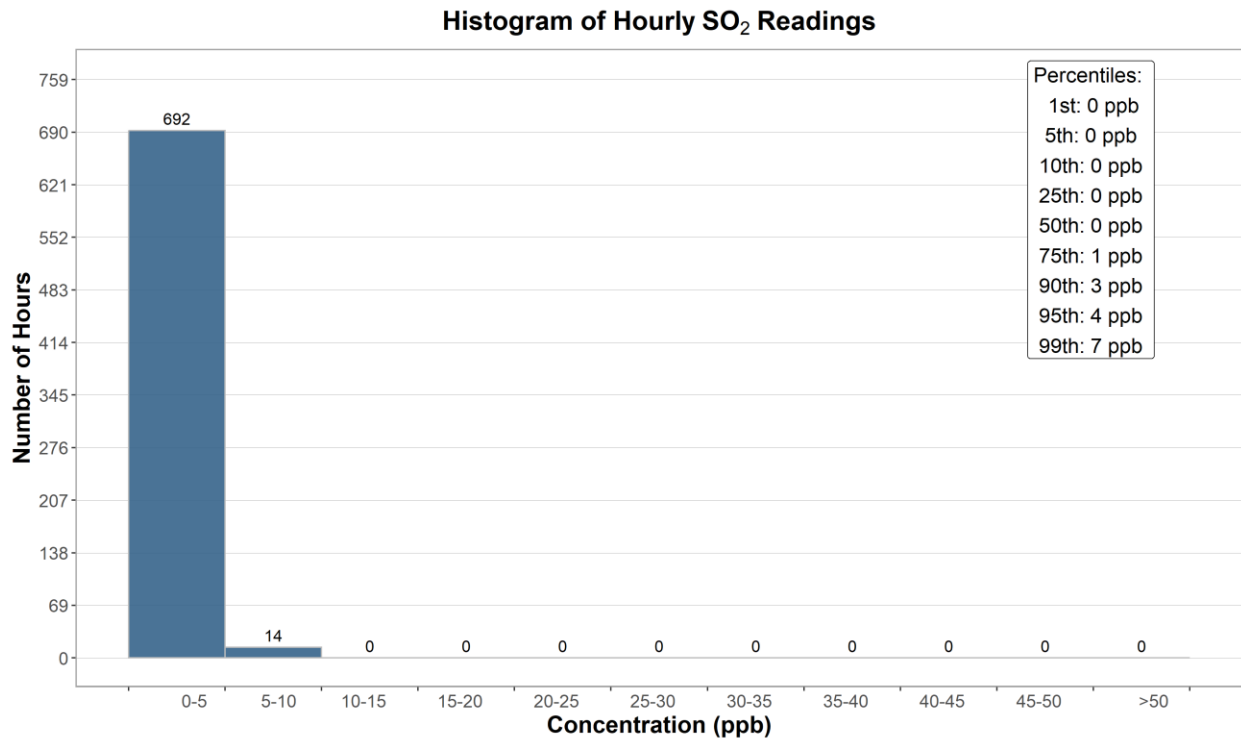


Figure 3-4 Histogram of hourly SO₂ concentrations at the Lagoon station

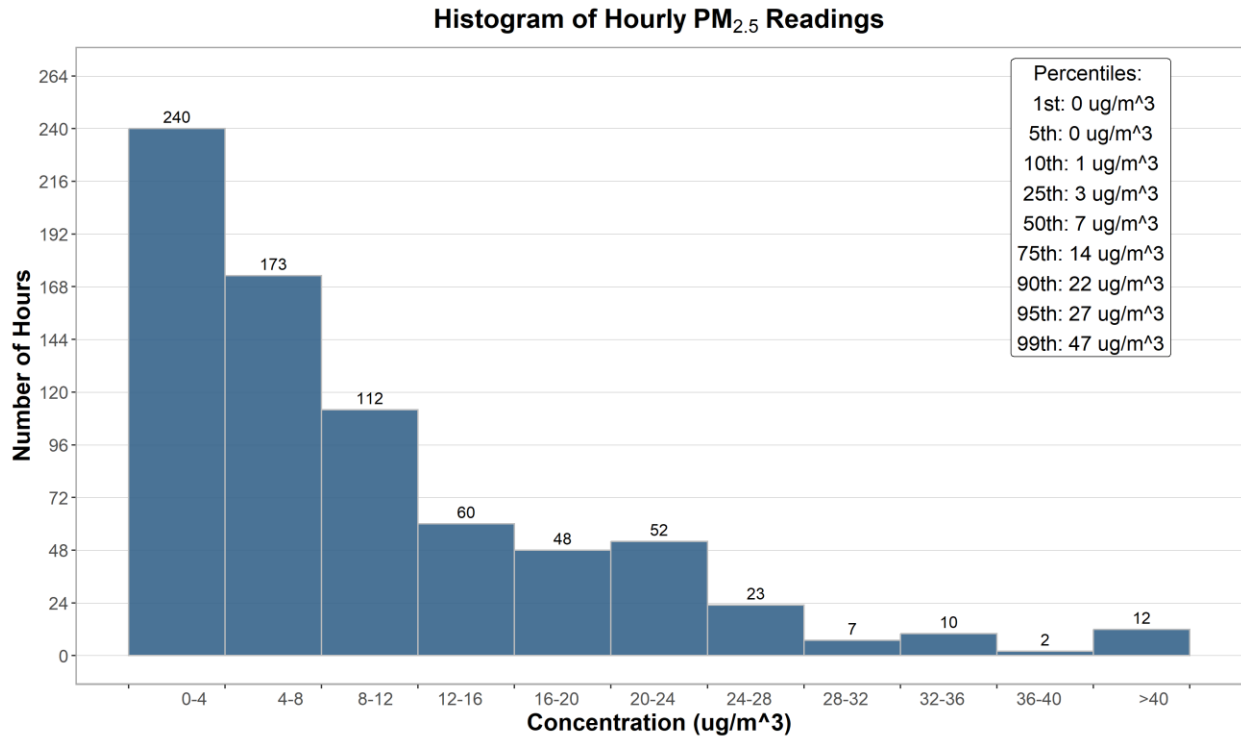


Figure 3-5 Histogram of hourly PM_{2.5} concentrations at the Lagoon station

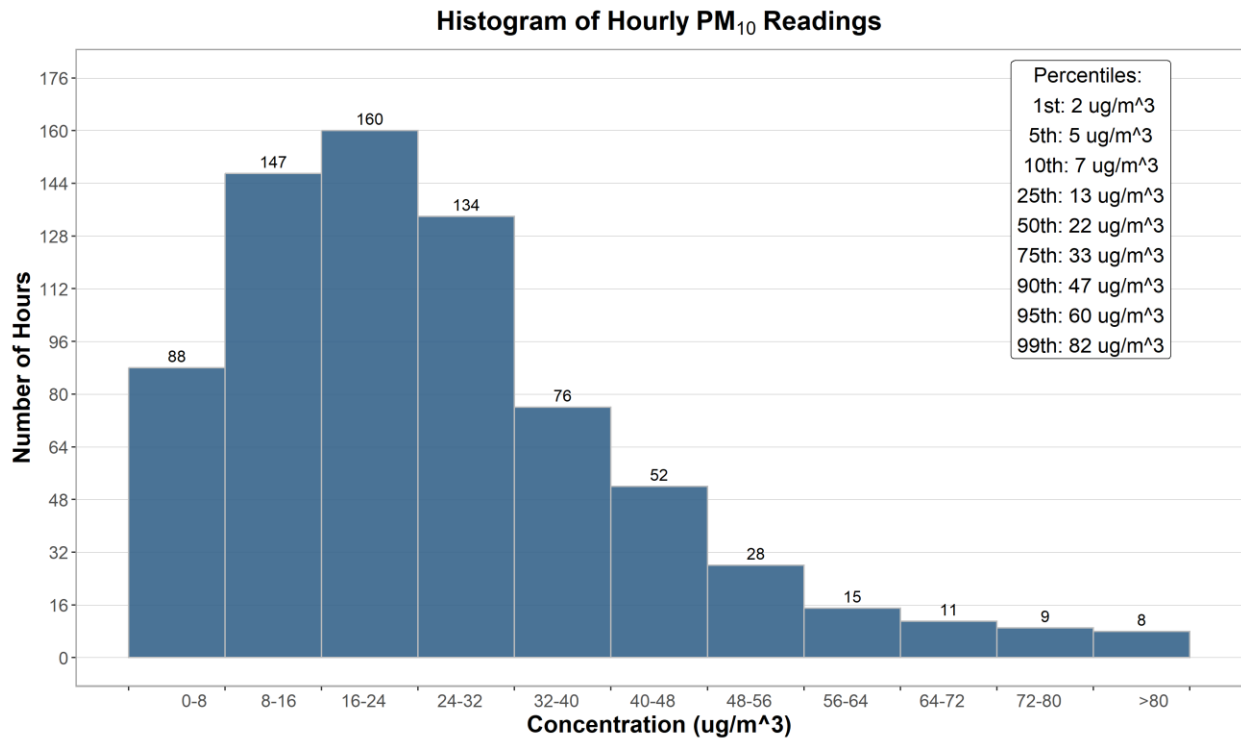


Figure 3-6 Histogram of hourly PM₁₀ concentrations at the Lagoon station

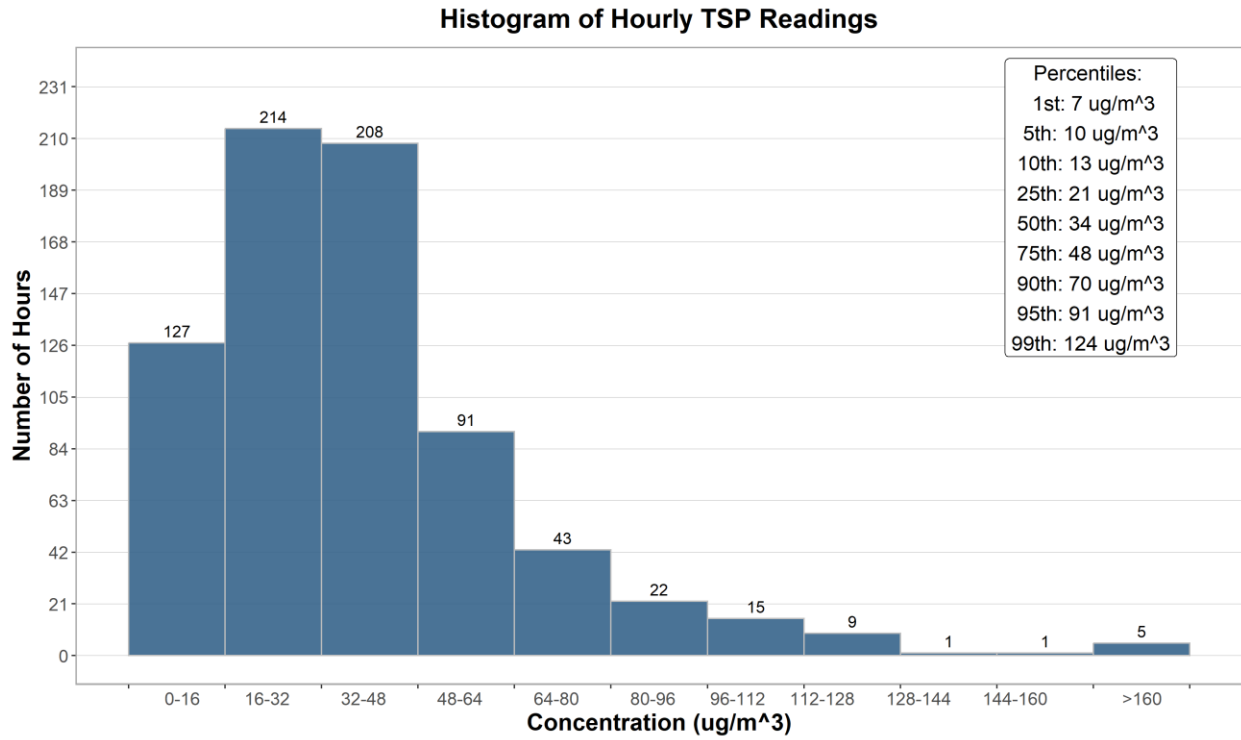


Figure 3-7 Histogram of hourly TSP concentrations at the Lagoon station

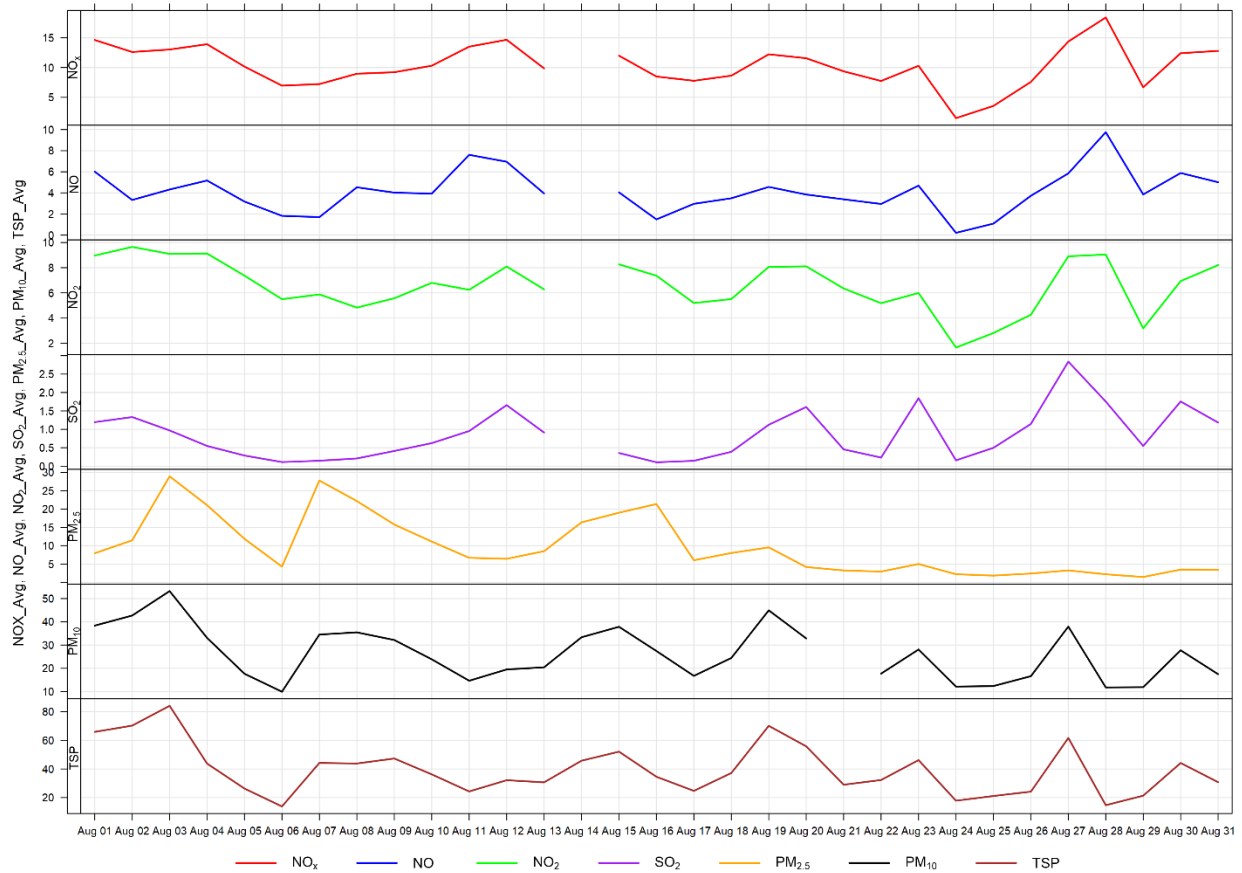


Figure 3-8 24-hour concentrations of NO_x, SO₂, and particulate matter at the Lagoon monitor

Figure 3-9 through Figure 3-11 show the variation in concentrations over various time averaging periods for PM, SO₂ and NO_x. The particulate matter plot in Figure 3-9 typically shows that PM₁₀ and TSP concentrations have a diurnal pattern associated with Lafarge operations, daytime emissions from traffic and other airshed activities. The diurnal patterns also typically follow the diurnal pattern of higher wind speeds during the daytime hours.

Figure 3-10 shows the variation of 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 3-11 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.

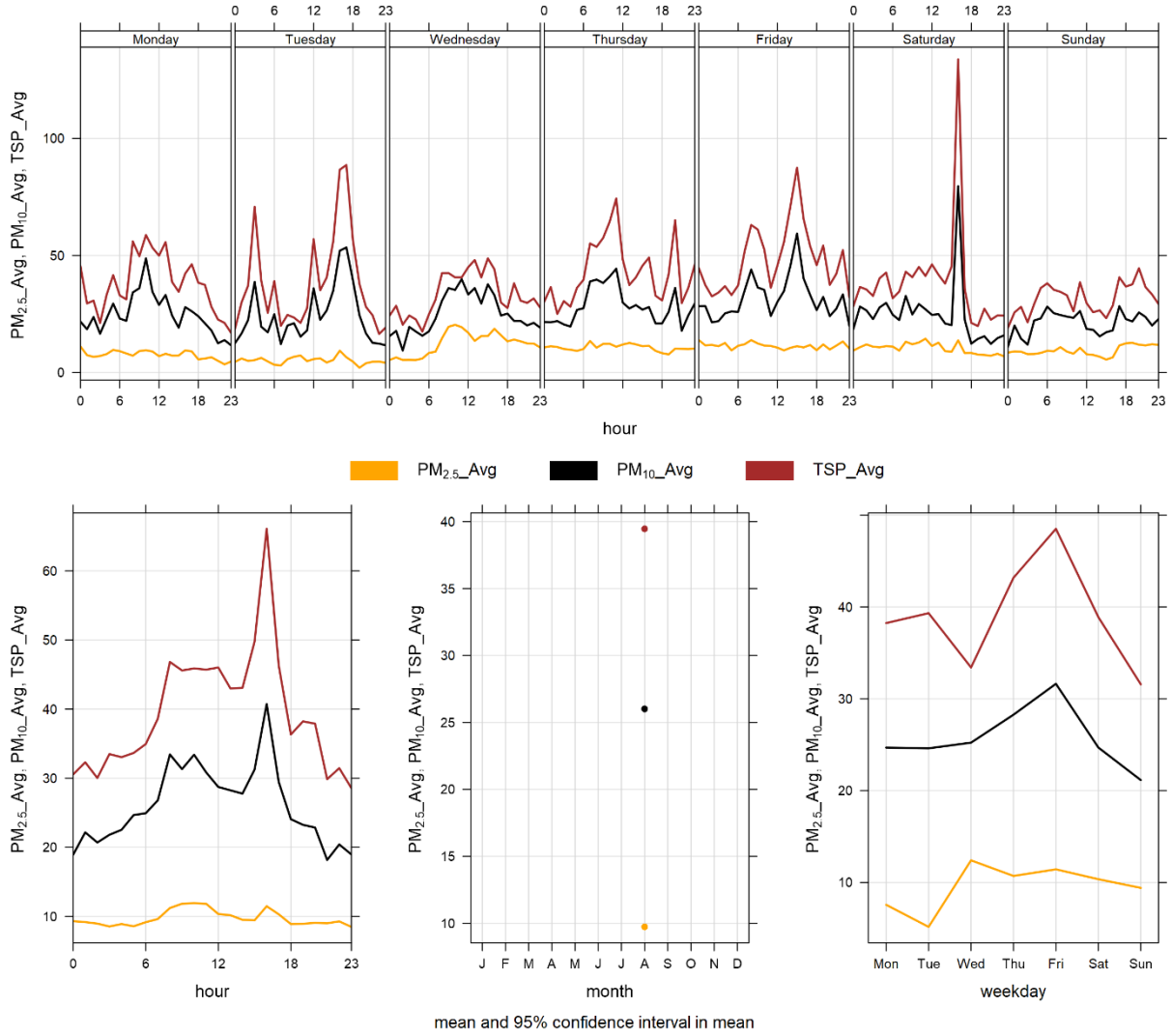


Figure 3-9 Lagoon monitor particulate matter time variation

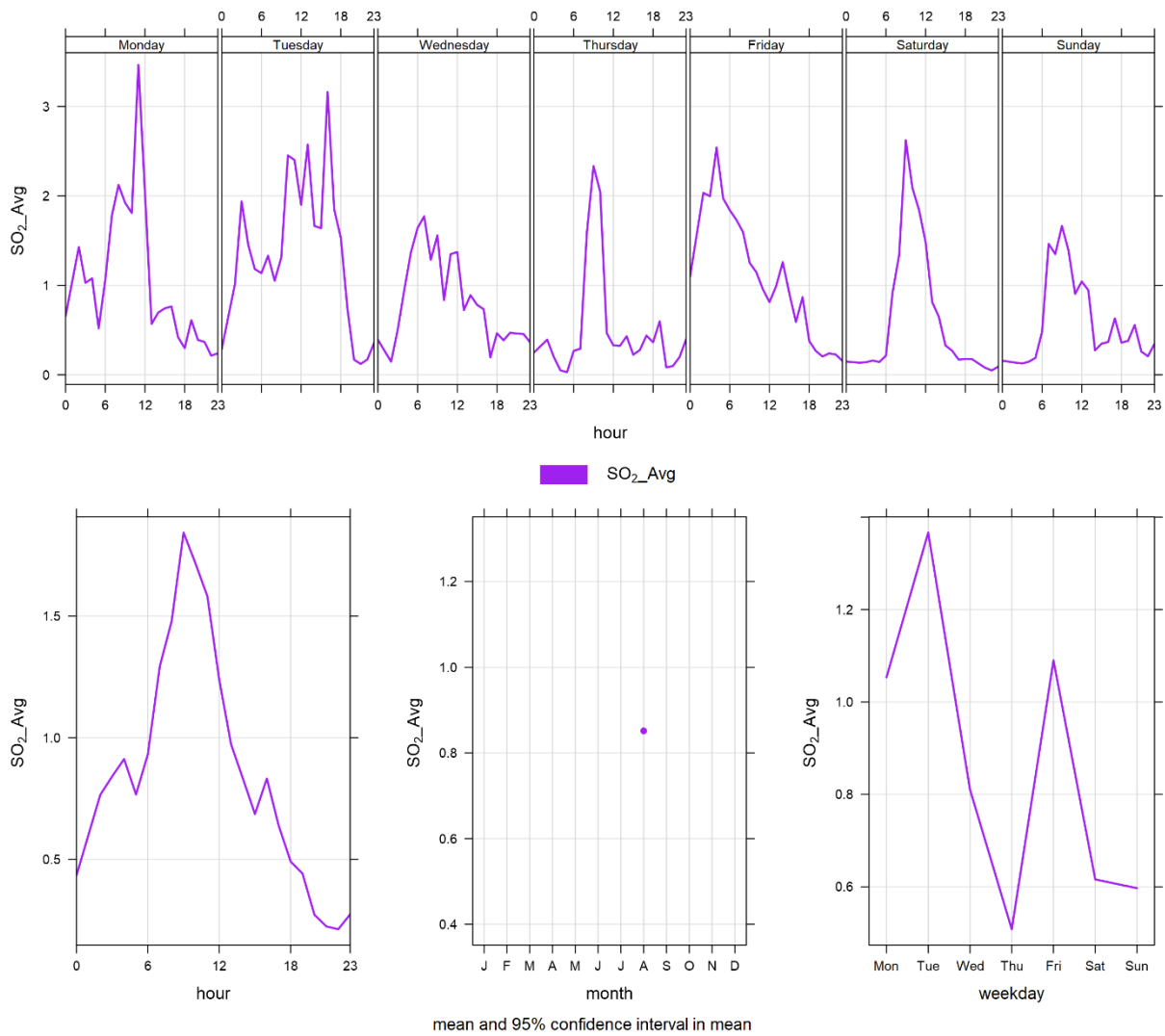


Figure 3-10 Lagoon monitor SO₂ time variation

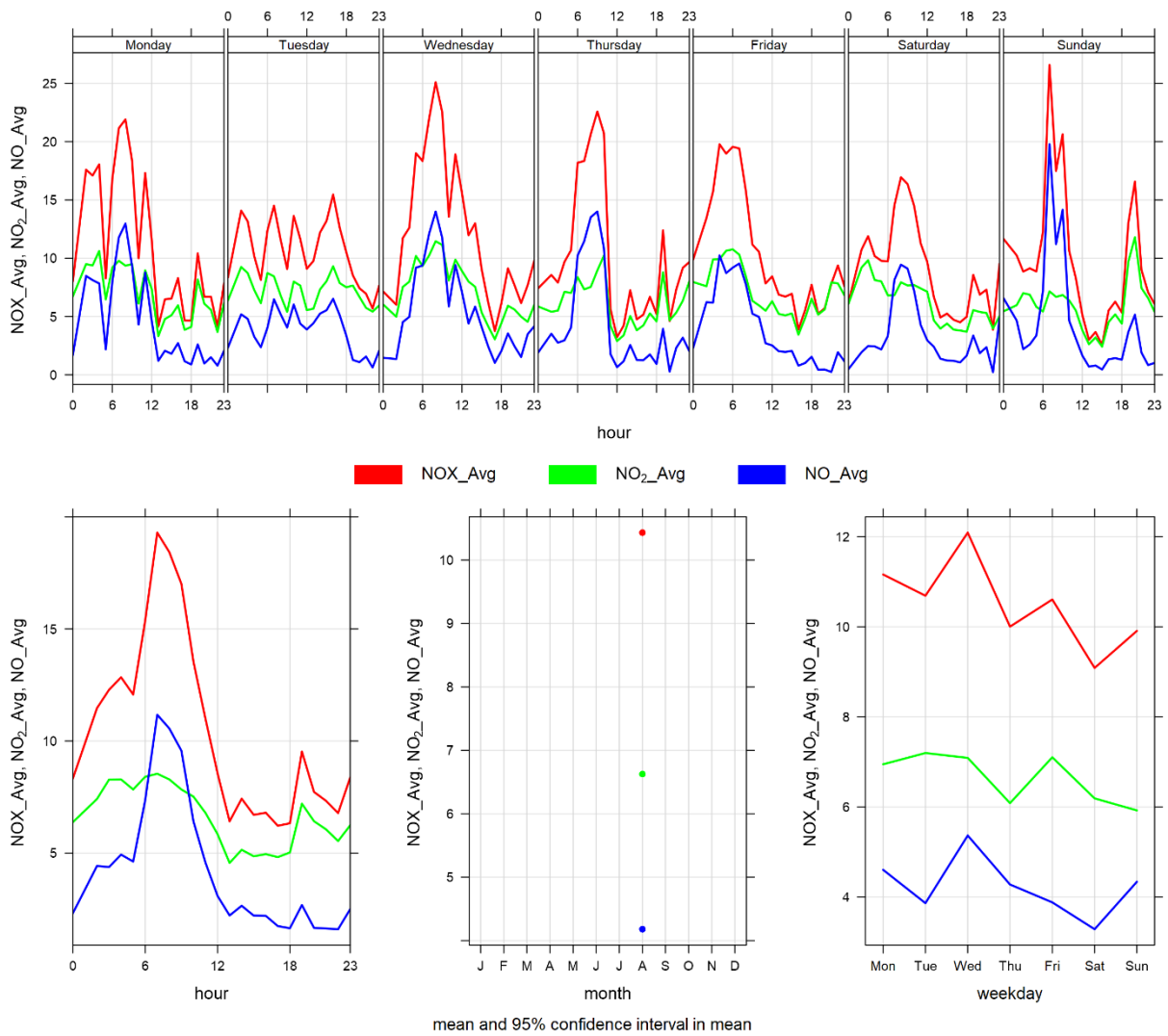


Figure 3-11 Lagoon monitor NO_x time variation

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 August 2024.

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

4.1 OPERATIONAL SUMMARY

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

Table 4-1 Instrumentation List at the Windridge monitoring location

| Parameter Measured | Equipment Description | Notes |
|--|--|--|
| PM_{2.5} Concentrations | MetOne BAM-1020 FRM Continuous Particulate Monitor | The PM _{2.5} monitor was calibrated on August 27 th . The monitor had 99.9% uptime for the month of August due to 1 hour of equipment malfunction occurring on August 10 th at 15:00 |
| PM₁₀ Concentrations | MetOne BAM-1020 Continuous Particulate Monitor | The PM ₁₀ monitor was calibrated on August 27 th . The monitor had 99.9% uptime for the month of August due to 1 hour of equipment malfunction occurring on August 10 th at 15:00. |
| TSP Concentrations | MetOne BAM-1020 Continuous Particulate Monitor | The TSP monitor was calibrated on August 27 th . The monitor had 99.7% uptime for the month of August due to 2 hour of equipment malfunction occurring on August 5 th at 19:00 and August 10 th at 15:00. |

4.2 MONITORING RESULTS AND TRENDS

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

There were 3 exceedances of the 24-hour TSP AAAQO. There was no exceedance of the 24-hour PM_{2.5} AAAQO and the 1-hour PM_{2.5} AAAQG.

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

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

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

| Parameter | Guideline | | Station | Exceedances | | Monthly | | Maximum 1-hour | | | | Maximum 24-hour | | Operational Time (Percent) | |
|---|-----------|-------|-----------|-------------|-------|---------|---------|-----------------------|-----|------|--------------------|--------------------------|-----------------------|----------------------------|------|
| | 1-hr | 24-hr | | 1-hr | 24-hr | Minimum | Average | Maximum Concentration | Day | Hour | Wind Speed (km/hr) | Wind Direction (degrees) | Maximum Concentration | | Day |
| PM_{2.5} (µg/m ³) | 80 | 29 | Windridge | 0 | 0 | 0.0 | 9.3 | 71.0 | 31 | 20 | 5.9 | 257.9 | 25.6 | 7 | 99.9 |
| PM₁₀ (µg/m ³) | - | - | Windridge | - | - | 0.0 | 32.4 | 448.0 | 27 | 10 | 22.2 | 242.2 | 106.1 | 27 | 99.9 |
| TSP (µg/m ³) | - | 100 | Windridge | - | 3 | 0.0 | 46.5 | 464.0 | 27 | 17 | 25.4 | 242.0 | 153.4 | 27 | 99.7 |

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

| Date | TSP (ug/m³) | PM_{2.5} (ug/m³) | Average Wind Direction (degrees) | Average Wind Speed (km/hr) | Average RH (%) | Root Cause (Provided by Lafarge) |
|--|-----------------------------------|--|---|---------------------------------------|-----------------------|---|
| Windridge | | | | | | |
| 2024-08-01 | 119.4 | - | 237.6 | 9.7 | 39.6 | |
| 2024-08-24 | 109.8 | - | 238.9 | 29.4 | 48.3 | High wind event |
| 2024-08-27 | 153.4 | - | 256.6 | 18.8 | 44.2 | |
| Total # of Exceedances | 3 | 0 | | | | |
| Maximum # of Exceedances (August) | 4 (2021, 2023) | 16 (2021) | | | | |
| Average # of Exceedances (August) | 2 | 5 | | | | |
| Minimum # of Exceedances (August) | 0 (2018) | 0 (2018, 2022) | | | | |

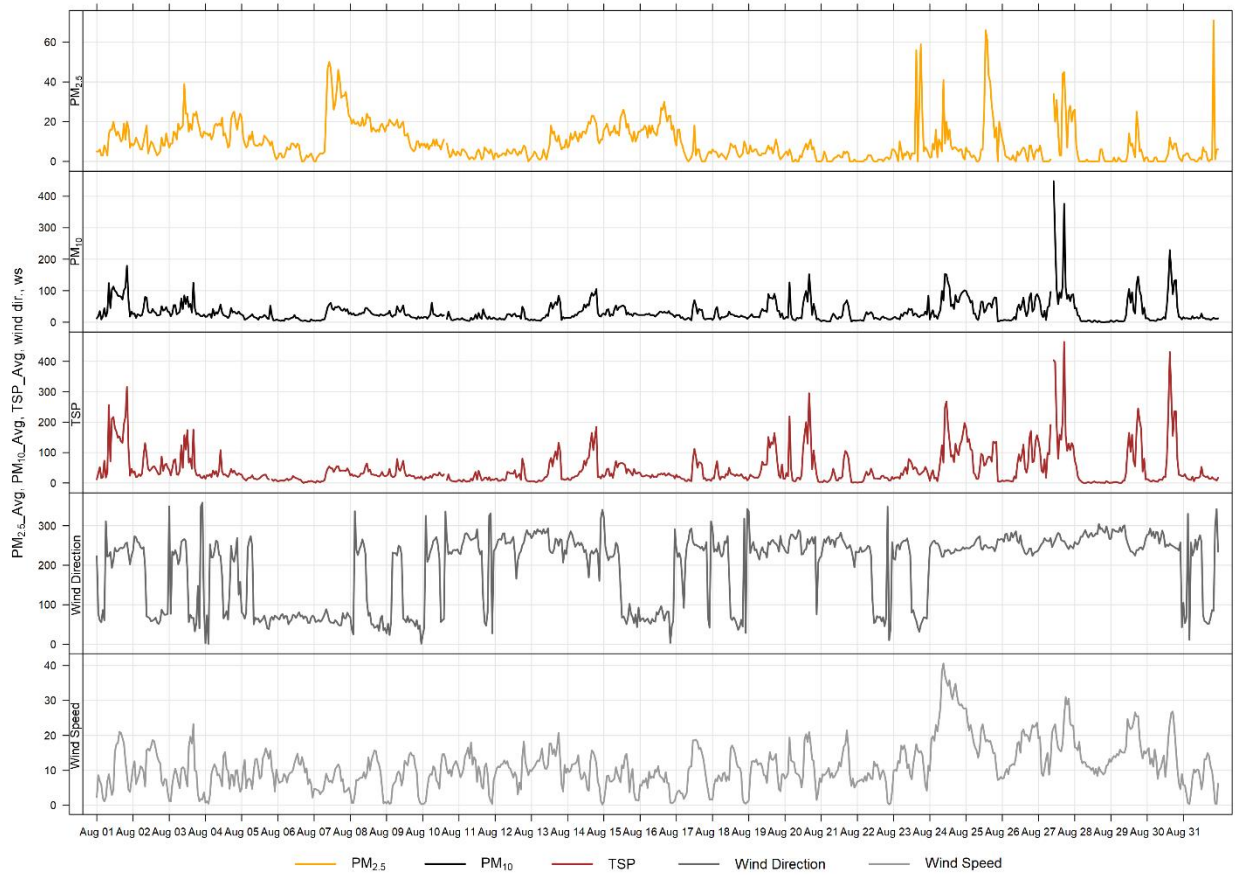


Figure 4-1 1-hour particulate matter concentrations recorded at the Windridge monitor

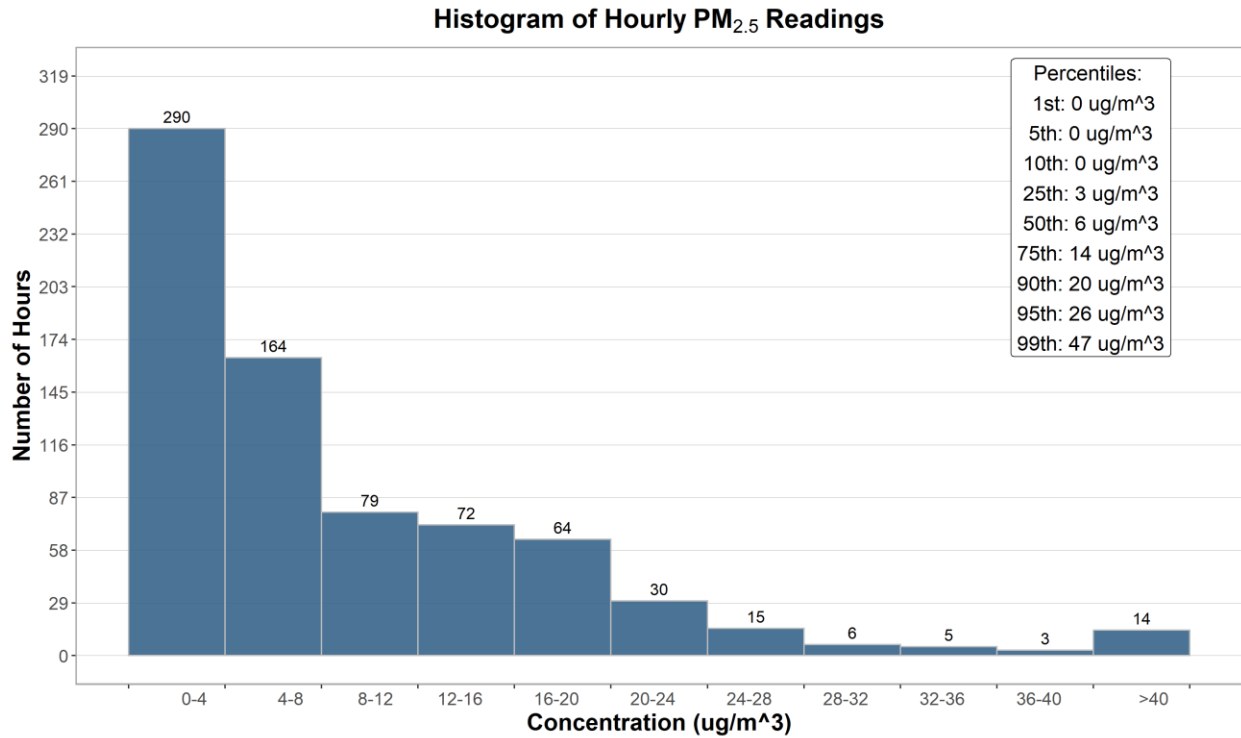


Figure 4-2 Histogram of hourly PM_{2.5} concentrations at the Windridge station

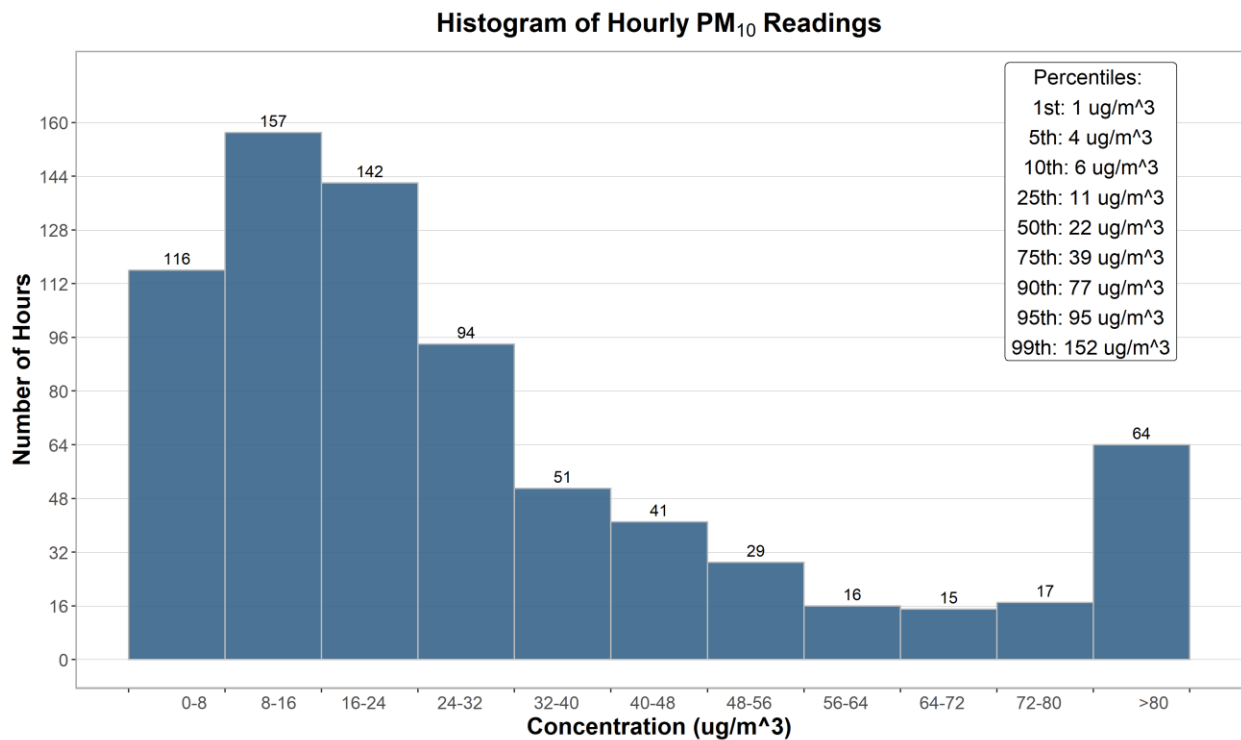


Figure 4-3 Histogram of hourly PM₁₀ concentrations at the Windridge station

Histogram of Hourly TSP Readings

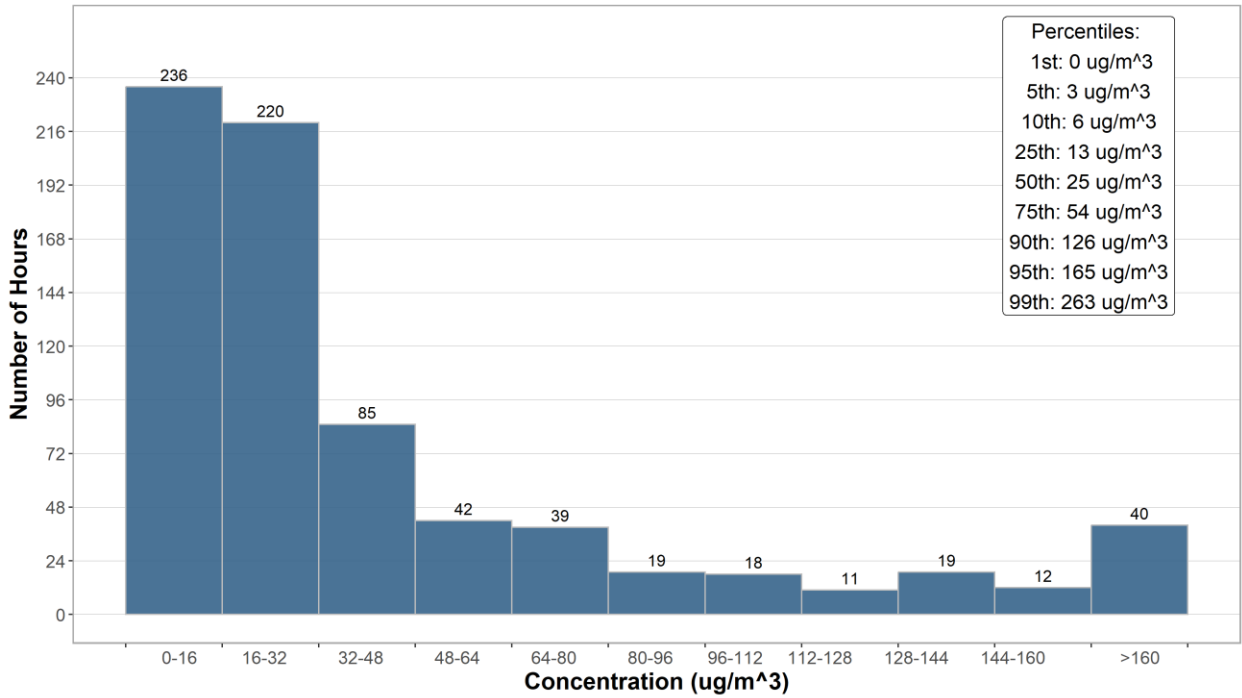


Figure 4-4 Histogram of hourly TSP concentrations at the Windridge station

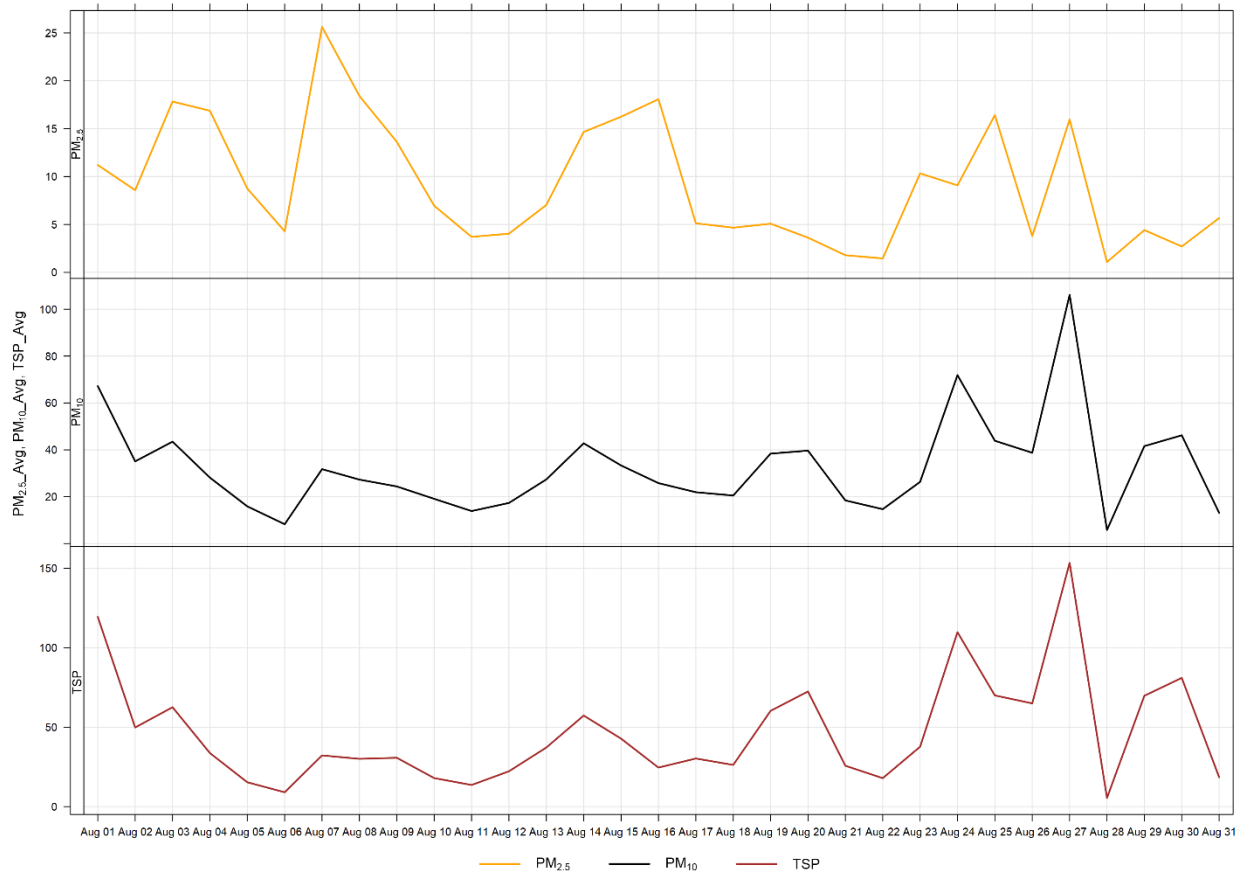


Figure 4-5 24-hour particulate matter concentrations at the Windridge monitor

Figure 4-6 shows the wind rose for the 3 days of TSP exceedance in August. The wind rose shows that the winds predominately came from the west-southwest, in high wind speed (29 km/h), suggesting impacts of windblown dust from the direction of the Lafarge Facility.

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

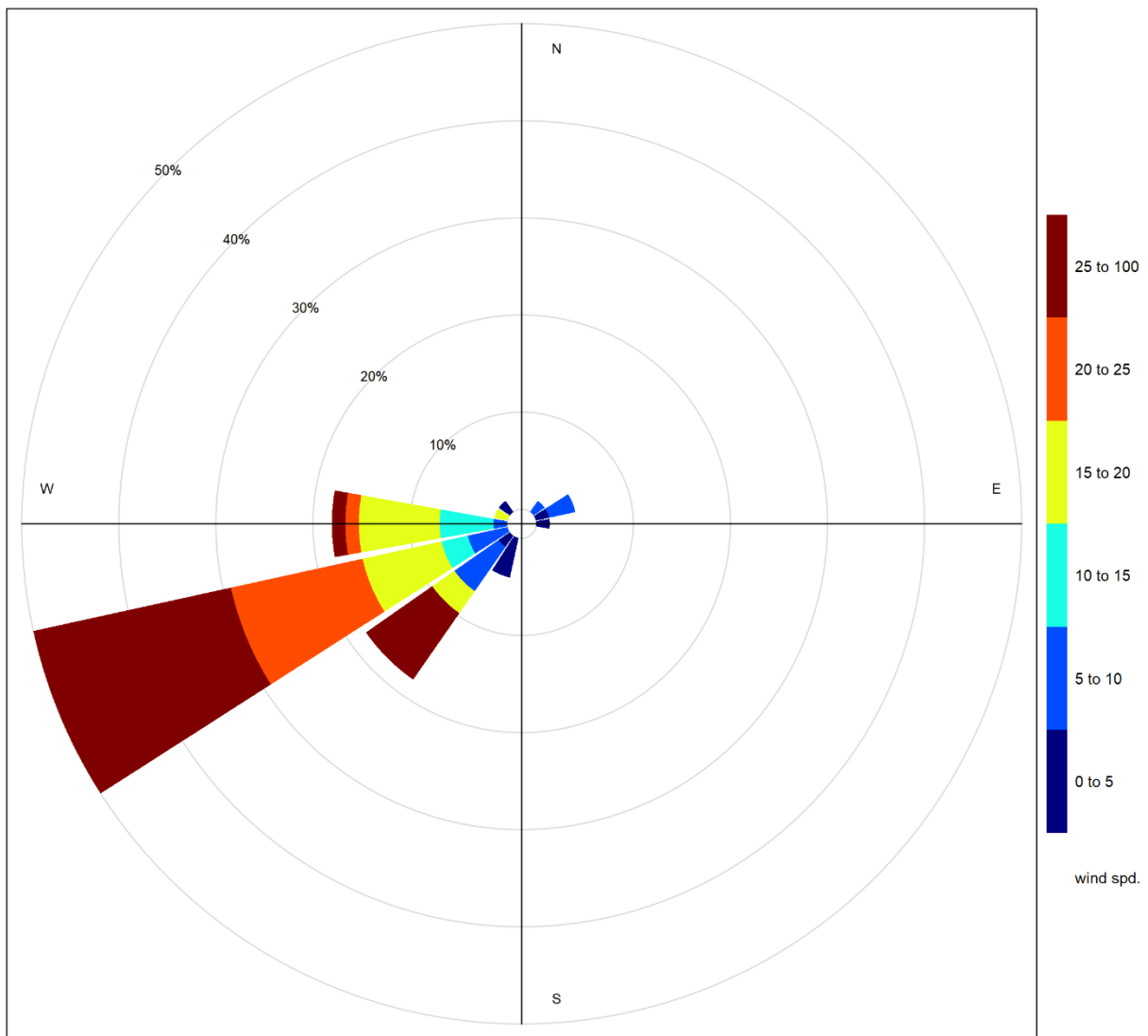


Figure 4-6 Wind rose for TSP exceedance days recorded at the Windridge Station

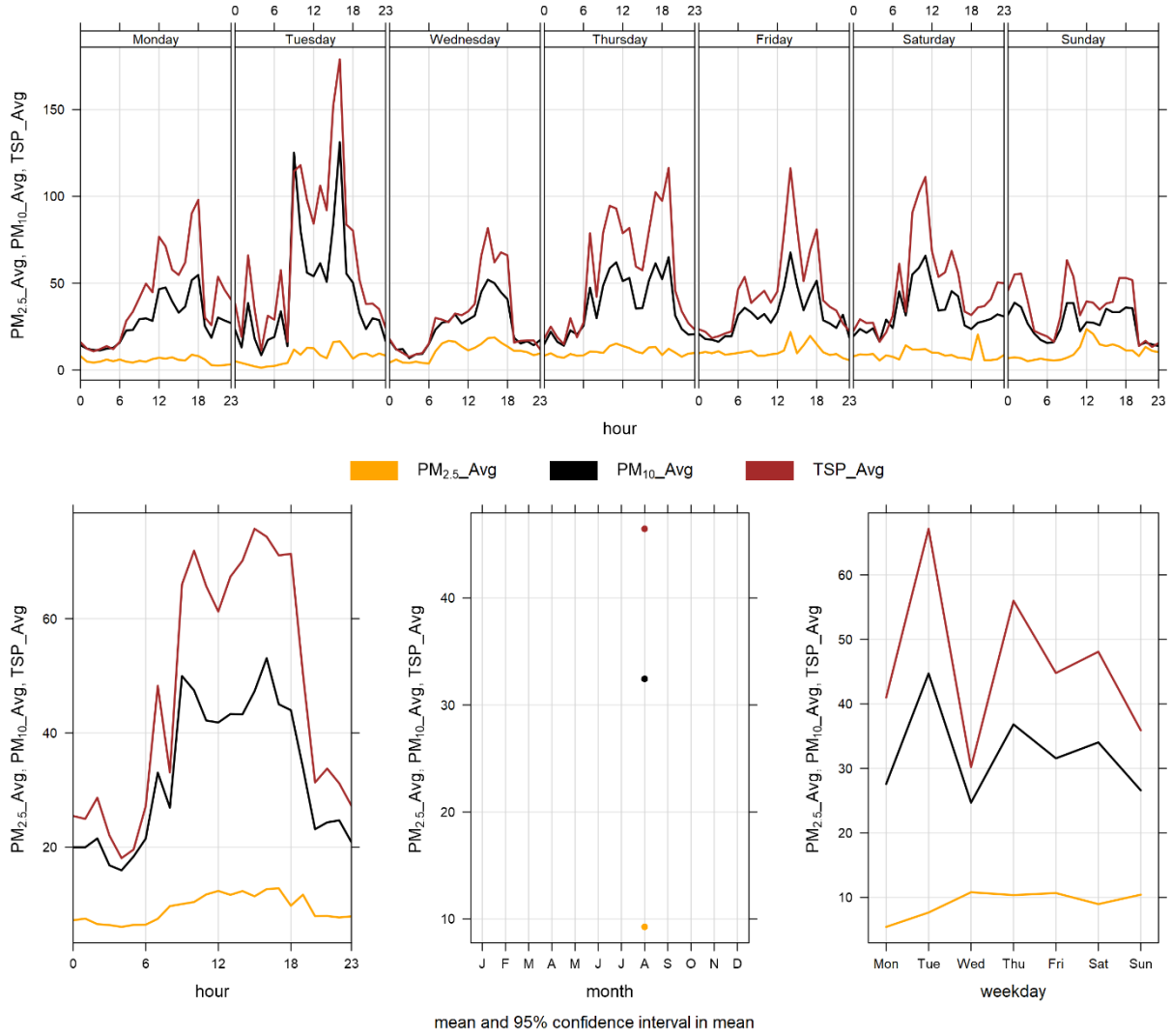


Figure 4-7 Windridge particulate matter time variation

5 WEST INDUSTRIAL GRIMM

5.1 OPERATIONAL SUMMARY

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

Table 5-1 Instrumentation List at the West monitoring location

| Parameter Measured | Equipment Description | Notes |
|---|--|---|
| PM _{2.5} , PM ₁₀ , TSP Concentrations | GRIMM 365 Continuous Particulate Monitor | The analyzer recorded 87.5% uptime for the month of August due to 93 hours of equipment malfunction occurring from August 28 th at 4:00 to the end of the month. |

5.2 MONITORING RESULTS AND TRENDS

The West GRIMM was moved to its current location in order to monitor “background” PM concentrations since the predominant wind pattern is from west to east in the valley. Table 5-2 summarizes the maximum 1-hour and 24-hour concentrations recorded over the course of the month, and Table 5-3 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.

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

There was no exceedance of the 24-hour TSP Guideline (100 µg/m³). There was 1 exceedance of the 24-hour PM_{2.5} (29µg/m³) Guideline and 0 exceedance of the 1-hour PM_{2.5} Guideline.

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

Table 5-2 Summary of August 2024 data at the West GRIMM

| Parameter | Guideline | | Station | Exceedances | | Monthly | | Maximum 1-hour | | | | | Maximum 24-hour | | Operational Time (Percent) |
|---|-----------|-------|---------|-------------|-------|---------|---------|-----------------------|-----|------|--------------------|--------------------------|-----------------------|-----|----------------------------|
| | 1-hr | 24-hr | | 1-hr | 24-hr | Minimum | Average | Maximum Concentration | Day | Hour | Wind Speed (km/hr) | Wind Direction (degrees) | Maximum Concentration | Day | |
| PM_{2.5} (µg/m ³) | 80 | 29 | West | 0 | 1 | 0.2 | 9.7 | 55.9 | 7 | 16 | 11.7 | 261.1 | 29.5 | 7 | 87.5 |
| PM₁₀ (µg/m ³) | - | - | West | - | - | 0.2 | 10.6 | 68.2 | 7 | 15 | 11.0 | 253.9 | 32.7 | 7 | 87.5 |
| TSP (µg/m ³) | - | 100 | West | - | 0 | 0.2 | 10.8 | 68.2 | 7 | 15 | 11.0 | 253.9 | 32.7 | 7 | 87.5 |

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

| Date | TSP (ug/m ³) | PM _{2.5} (ug/m ³) | Average Wind Direction (degrees) | Average Wind Speed (km/hr) | Average RH (%) | Root Cause (Provided by Lafarge) |
|--|---|---|----------------------------------|----------------------------|----------------|----------------------------------|
| West | | | | | | |
| 2024-08-07 | - | 29.5 | 62.4 | 6.4 | 81.3 | |
| Total # of Exceedances | 0 | 1 | | | | |
| Maximum # of Exceedances (August) | 1 (2010, 2014) | 16 (2021) | | | | |
| Average # of Exceedances (August) | 0 | 2 | | | | |
| Minimum # of Exceedances (August) | 0 (2011, 2012, 2013, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023) | 0 (2010, 2011, 2012, 2013, 2015, 2016, 2018, 2019, 2020, 2022) | | | | |

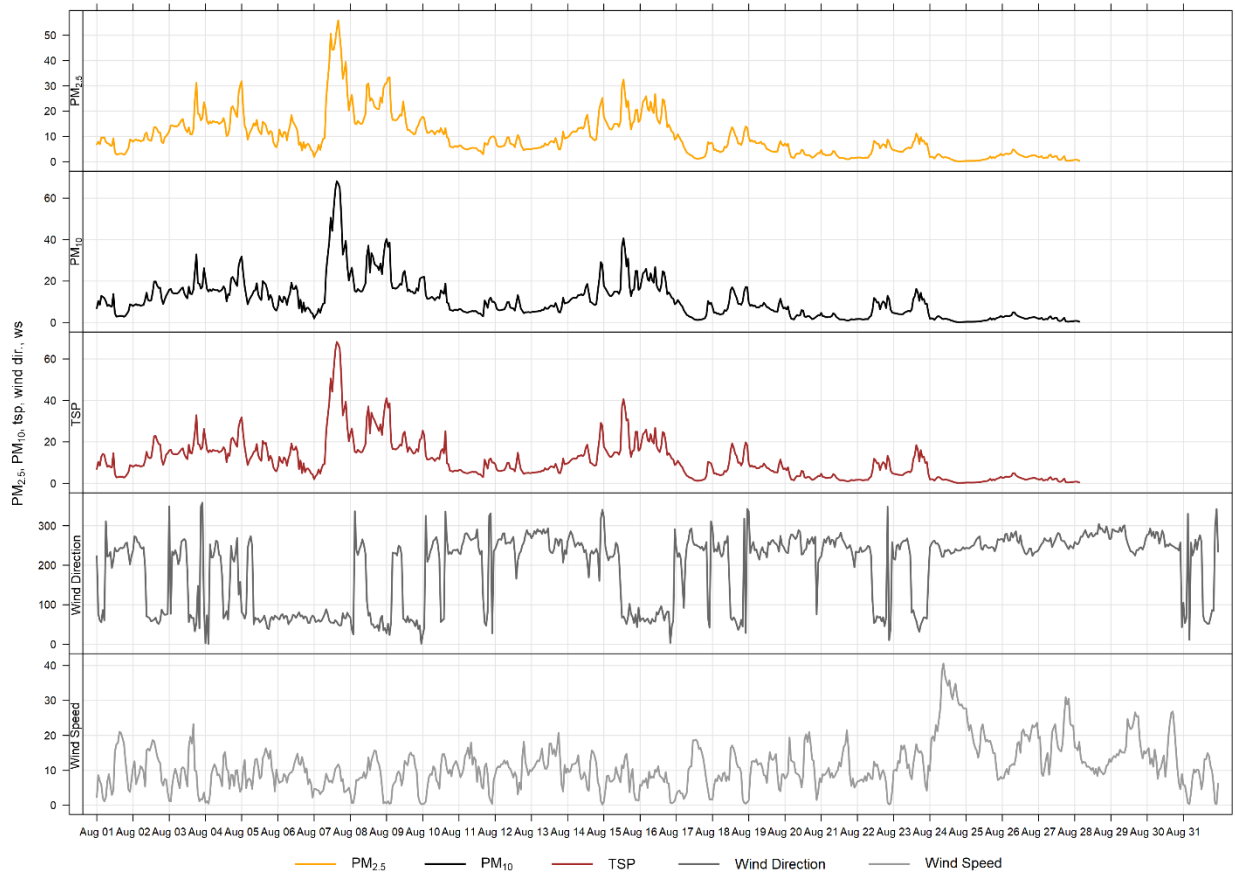


Figure 5-1 1-hour particulate matter concentrations at the West monitor

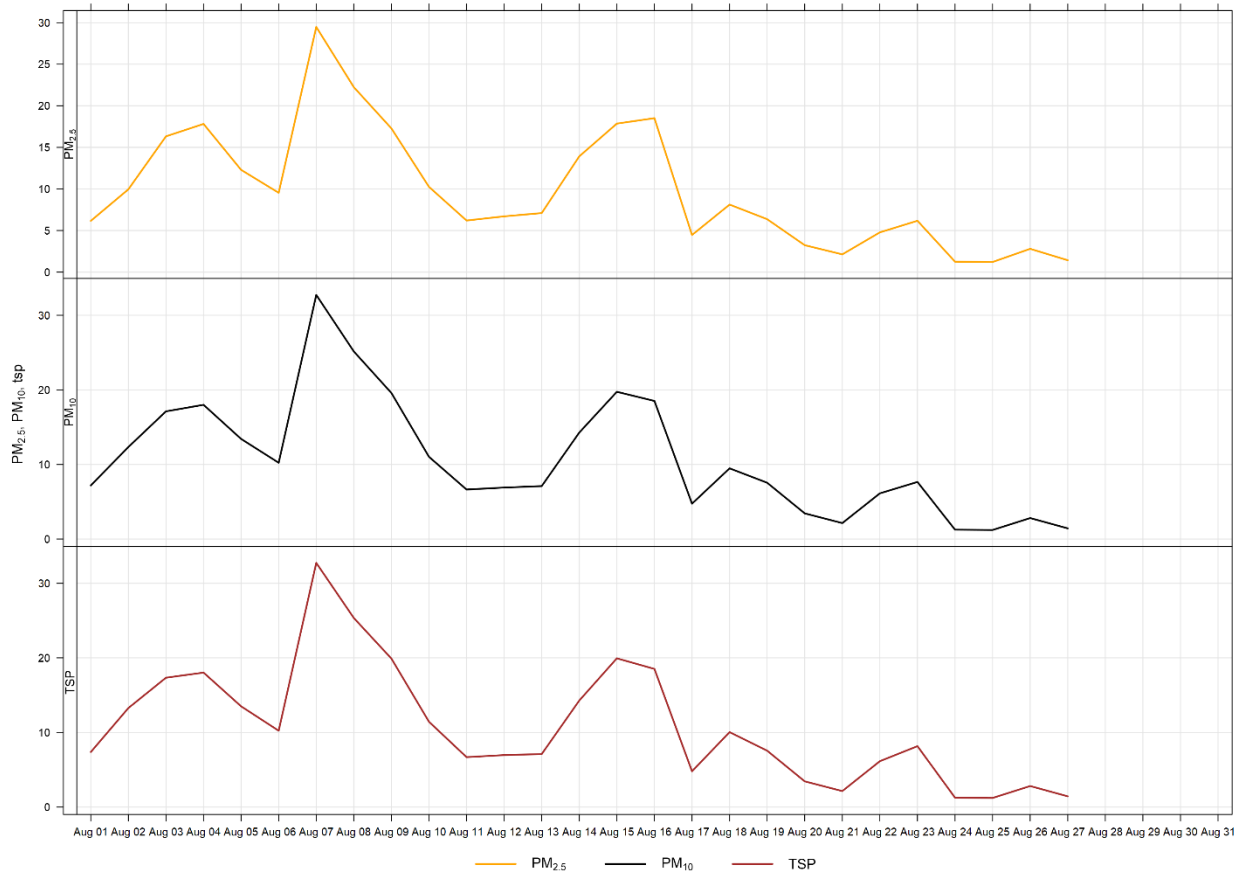


Figure 5-2 24-hour particulate matter concentrations at the West monitor

Figure 5-3 shows the wind rose for the 1 day of PM_{2.5} exceedances. The wind rose shows that wind predominately came from northeast, indicating windblown dust from Lafarge facility.

Figure 5-4 illustrates the hourly PM concentrations recorded at the West monitor, averaged over different time periods. The plot across the top shows the variation of PM over the course of a week, while the bottom three plots show the changes in PM over the course of a day, month and weekday, respectively. Figure 5-4 is based on data collected during August 2024. The West monitor was moved to its current location (Figure 1-1) on December 1st, 2021, and will continue to be evaluated to better understand influences from background sources, Lafarge Exshaw, as well as highway and rail sources.

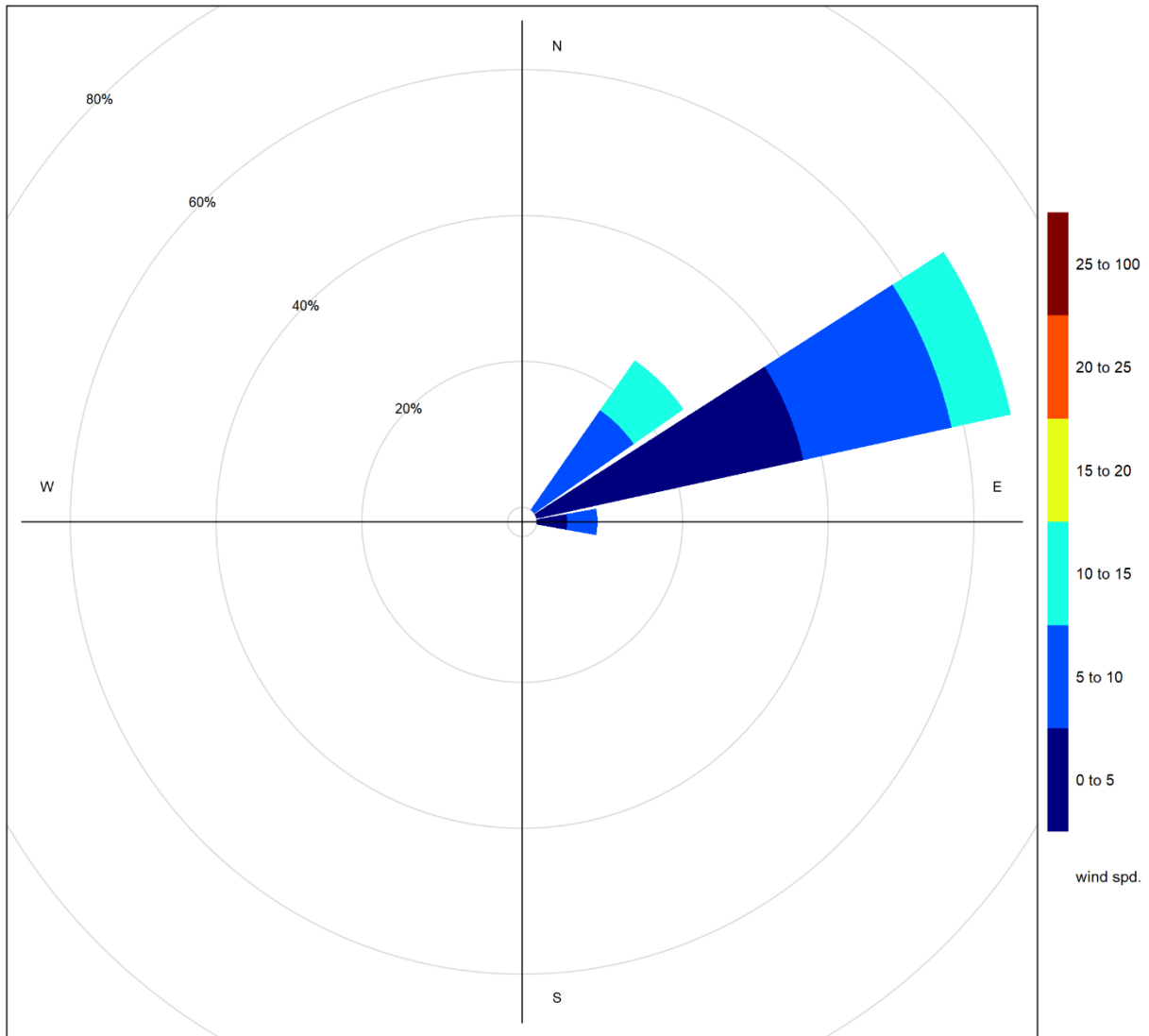


Figure 5-3 Wind rose for PM2.5 exceedance day recorded at the West GRIMM

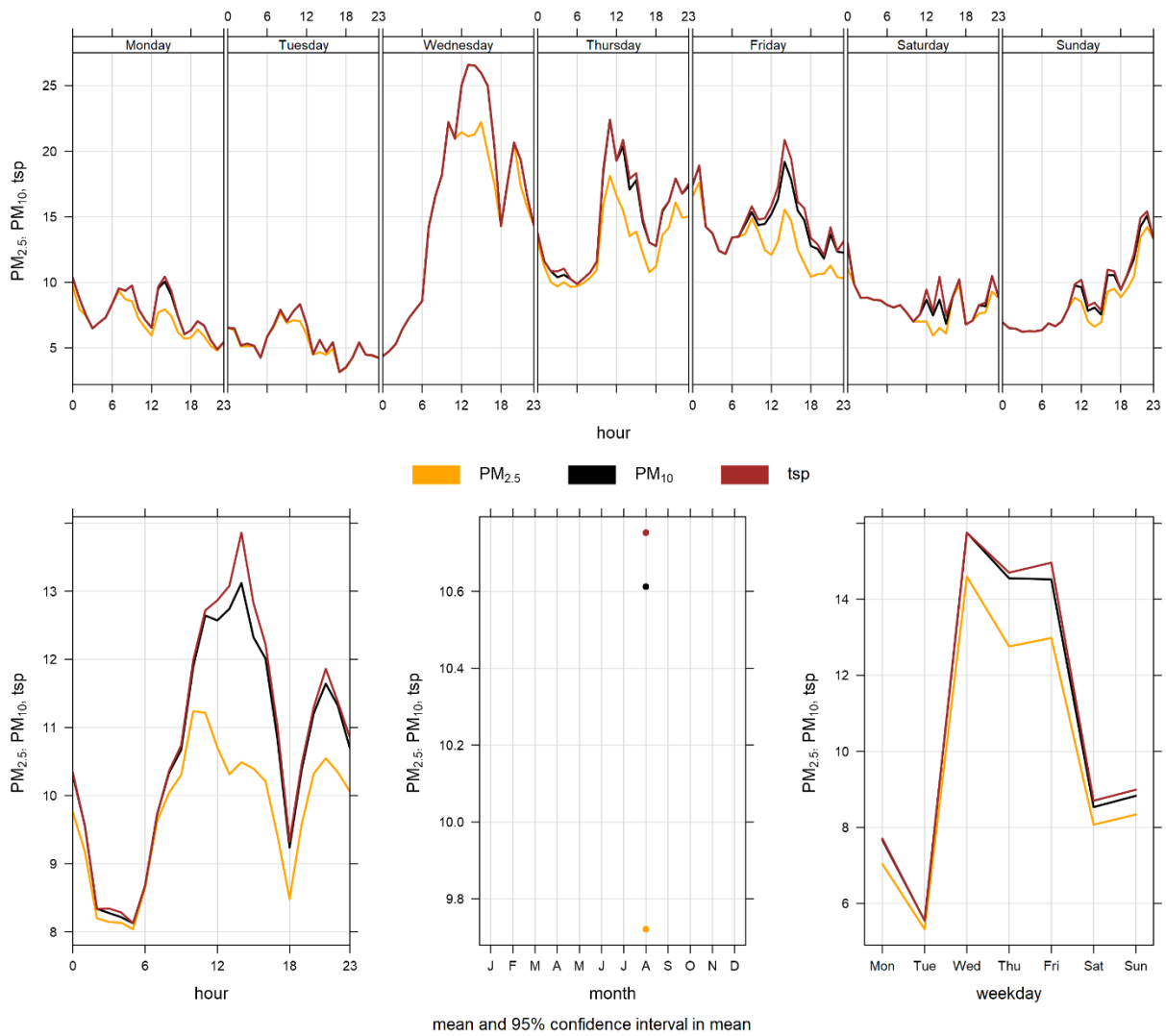


Figure 5-4 West monitor particulate matter time variation

6 BERM INDUSTRIAL GRIMM

6.1 OPERATIONAL SUMMARY

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

Table 6-1 Instrumentation List at the Berm monitoring location

| Parameter Measured | Equipment Description | Notes |
|---|--|--|
| PM _{2.5} , PM ₁₀ , TSP Concentrations | GRIMM 365 Continuous Particulate Monitor | The analyzer recorded 30.5% uptime for August due to 517 hours of equipment malfunction spanning the entire month. |

6.2 MONITORING RESULTS AND TRENDS

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

There was 1 exceedance of the 24-hour TSP Guideline (100 µg/m³). There was no exceedance of the 24-hour PM_{2.5} (29µg/m³) and 2 hours exceeding the 1-hour PM_{2.5} Guideline. The low data completeness this month should be noted when interpreting results.

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

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

The Berm monitor is located along a ridge at the edge of the Lafarge property and is in an area where on-site trucks drive through site, which can create fugitive dust. Quarry blasting also has the potential to impact short term PM immediately following a blast. The strong wind gusting that occurred in August would have also contributed to increased particulate levels that may have arisen from multiple sources: Lafarge Plant, Exshaw Creek, dry sections of the Bow River, and open areas.

Table 6-2 Summary of August 2024 data at the Berm GRIMM

| Parameter | Guideline | | Station | Exceedances | | Monthly | | Maximum 1-hour | | | | Maximum 24-hour | | Operational Time (Percent) | |
|---|-----------|-------|---------|-------------|-------|---------|---------|-----------------------|-----|------|--------------------|--------------------------|-----------------------|----------------------------|------|
| | 1-hr | 24-hr | | 1-hr | 24-hr | Minimum | Average | Maximum Concentration | Day | Hour | Wind Speed (km/hr) | Wind Direction (degrees) | Maximum Concentration | | Day |
| PM_{2.5} ($\mu\text{g}/\text{m}^3$) | 80 | 29 | Berm | 1 | 0 | 0.4 | 11.8 | 79.3 | 30 | 15 | 23.6 | 236.7 | 20.1 | 15 | 30.5 |
| PM₁₀ ($\mu\text{g}/\text{m}^3$) | - | - | Berm | - | - | 0.4 | 41.4 | 650.0 | 30 | 15 | 23.6 | 236.7 | 101.6 | 30 | 30.5 |
| TSP ($\mu\text{g}/\text{m}^3$) | - | 100 | Berm | - | 2 | 0.4 | 115.5 | 2246.5 | 30 | 15 | 23.6 | 236.7 | 311.9 | 30 | 30.5 |

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

| Date | TSP (ug/m ³) | PM _{2.5} (ug/m ³) | Average Wind Direction (degrees) | Average Wind Speed (km/hr) | Average RH (%) | Root Cause (Provided by Lafarge) |
|--|-----------------------------|---|-------------------------------------|-------------------------------|----------------|--|
| Berm | | | | | | |
| 2024-08-29 | 158.2 | - | 258.1 | 18.1 | 56.6 | |
| 2024-08-30 | 311.9 | - | 261.7 | 13.7 | 52.9 | |
| Total # of Exceedances | 2 | 0 | | | | |
| Maximum # of Exceedances (August) | 22 (2010) | 9 (2021) | | | | |
| Average # of Exceedances (August) | 10 | 2 | | | | |
| Minimum # of Exceedances (August) | 3 (2013) | 0 (2010, 2011, 2012, 2013, 2015, 2016, 2018, 2019, 2020, 2022) | | | | |



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

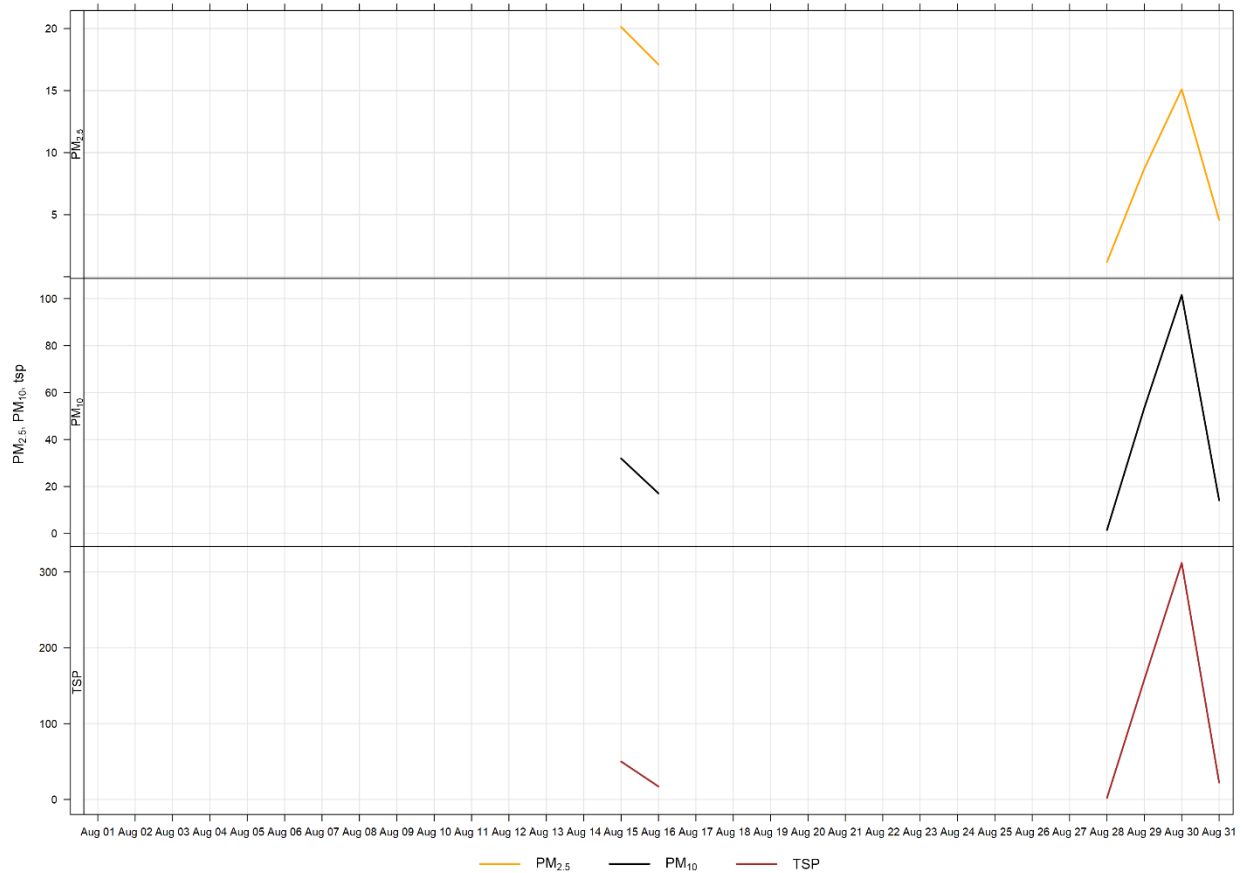


Figure 6-2 24-hour particulate matter concentrations recorded at the Berm monitor

Figure 6-3 shows the wind rose for the 2 days of TSP exceedances. The wind rose shows that the wind predominately came from the west-southwest and west-northwest direction.

Figure 6-4 shows the variation of PM recorded at the Berm monitor over various time averaging periods. The Berm monitor diurnal pattern, similar to the Lagoon station, and is associated with Lafarge operations, but also daytime emissions from other activities and sources in Exshaw. The low data completeness this month should be noted when interpreting results.

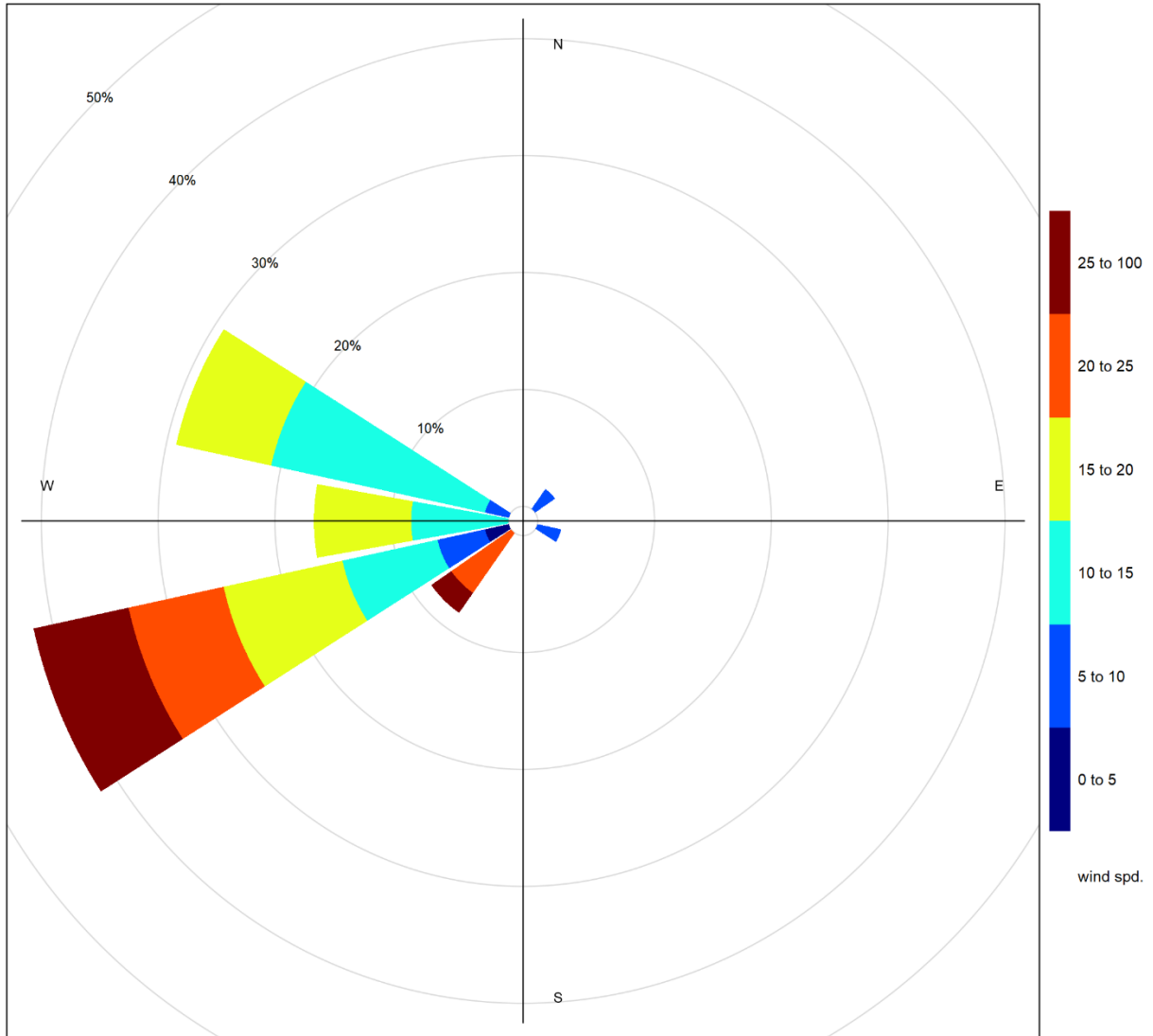


Figure 6-3 Windrose for TSP exceedance days recorded at the Berm GRIMM

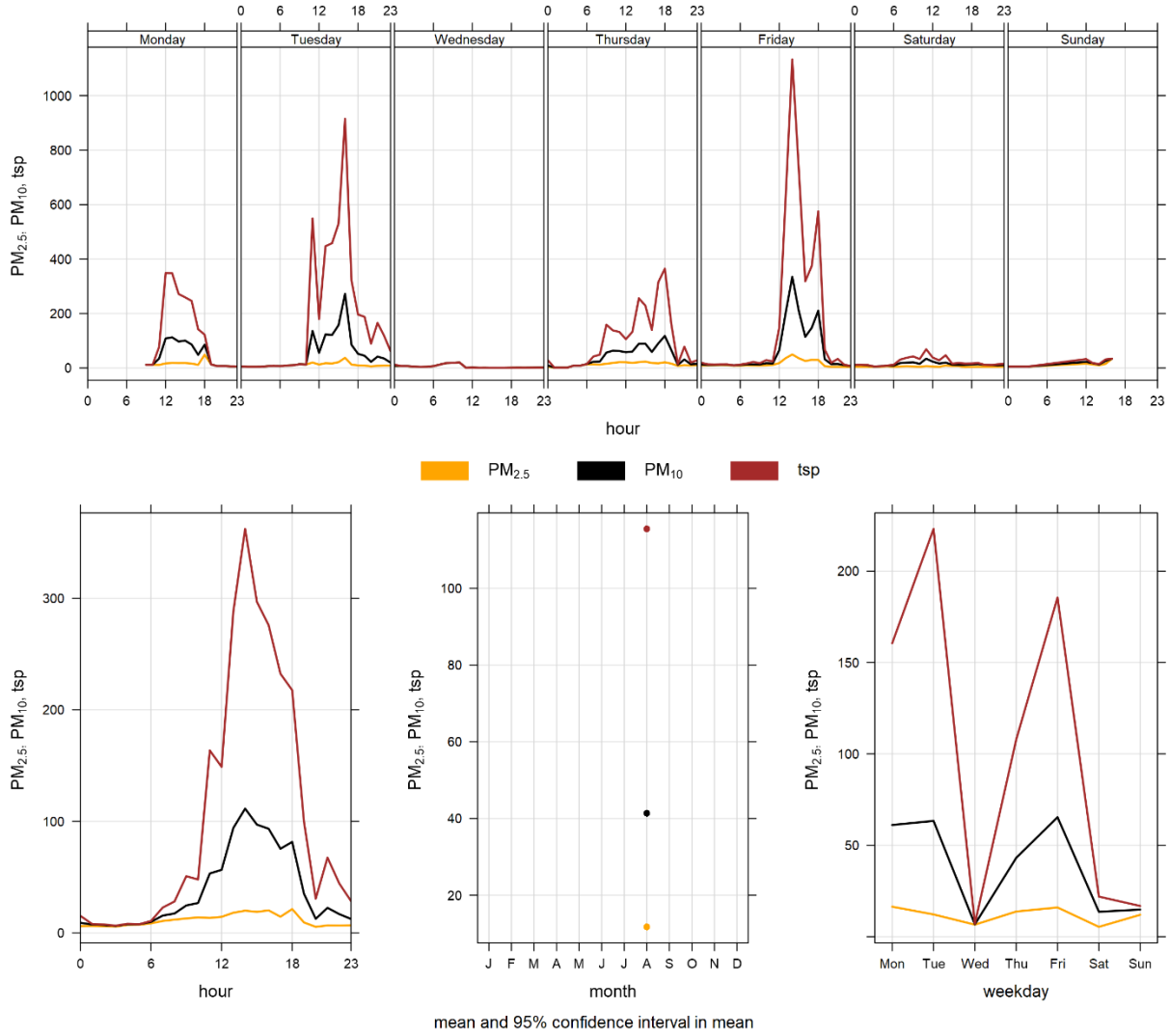


Figure 6-4 Berm particulate matter time variation

BIBLIOGRAPHY

- Alberta Environment and Parks. (2016, June). Alberta Ambient Air Quality Objectives and Guidelines Summary. Alberta, Canada.
- Alberta Environment and Parks. (2016, April). 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

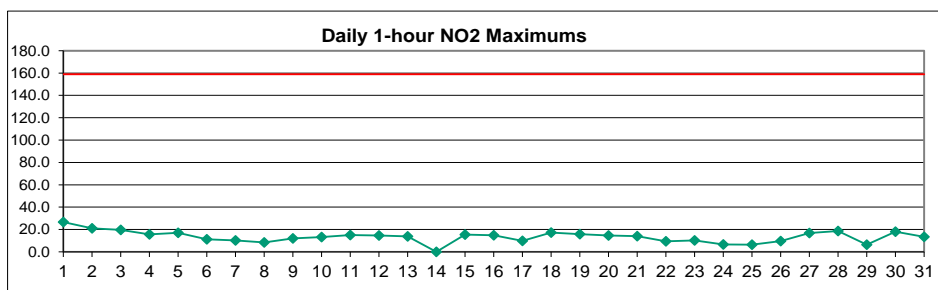
A DATA & CALIBRATION REPORTS

APPENDIX



Lagoon NO₂ (ppb) – August 2024

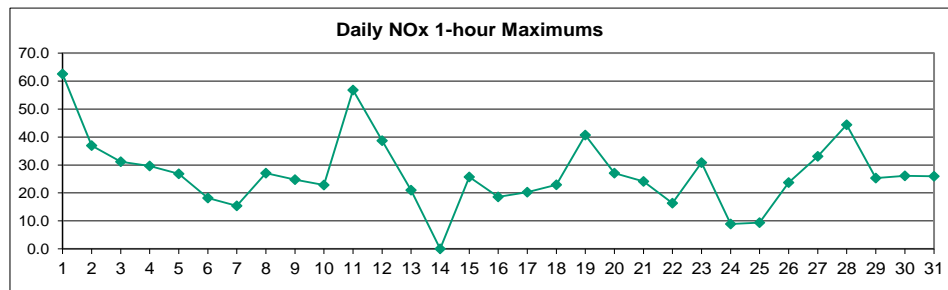
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 7.7 | S | 7.6 | 5.9 | 10.1 | 10.9 | 13.4 | 11.0 | 15.6 | 22.3 | 26.7 | 6.2 | 1.7 | 3.3 | 2.2 | 2.4 | 4.1 | 6.6 | 9.2 | 16.3 | 2.8 | 3.7 | 6.2 | 10.4 | 9.0 | 26.7 |
| 2 | 12.1 | S | 9.7 | 17.3 | 14.9 | 17.5 | 21.1 | 12.8 | 12.7 | 3.0 | 3.7 | 10.2 | 11.3 | 7.7 | 6.1 | 6.3 | 4.5 | 5.7 | 6.9 | 3.5 | 4.7 | 14.8 | 8.1 | 7.2 | 9.6 | 21.1 |
| 3 | 6.3 | S | 15.6 | 19.7 | 10.8 | 8.4 | 7.5 | 10.6 | 15.3 | 12.0 | 13.1 | 11.5 | 18.5 | 4.1 | 6.2 | 7.7 | 4.8 | 3.0 | 3.5 | 5.3 | 4.0 | 5.7 | 7.6 | 8.1 | 9.1 | 19.7 |
| 4 | 7.2 | S | 9.5 | 15.5 | 15.7 | 13.2 | 10.6 | 10.5 | 8.5 | 5.6 | 10.6 | 6.3 | 3.3 | 3.2 | 7.2 | 2.8 | 11.1 | 6.0 | 7.8 | 12.1 | 11.9 | 15.7 | 11.8 | 3.7 | 9.1 | 15.7 |
| 5 | 2.2 | S | 9.6 | 10.9 | 17.1 | 9.9 | 10.5 | 9.7 | 4.5 | 8.0 | 2.1 | 5.8 | 7.9 | 4.9 | 5.3 | 5.8 | 4.2 | 2.3 | 3.4 | 15.0 | 7.4 | 8.2 | 4.4 | 10.2 | 7.4 | 17.1 |
| 6 | 5.9 | S | 6.8 | 6.7 | 5.0 | 3.1 | 8.3 | 9.9 | 6.2 | 4.2 | 2.2 | 4.9 | 3.2 | 1.7 | 3.6 | 3.3 | 2.0 | 7.2 | 5.6 | 5.1 | 10.2 | 11.3 | 7.3 | 2.6 | 5.5 | 11.3 |
| 7 | 6.8 | S | 4.2 | 6.1 | 4.2 | 7.1 | 5.5 | 2.8 | 2.7 | 8.9 | 6.0 | 6.5 | 6.7 | 10.3 | 9.6 | 8.1 | 7.9 | 3.4 | 2.5 | 7.0 | 5.1 | 4.2 | 4.0 | 5.6 | 5.9 | 10.3 |
| 8 | 3.4 | S | 2.5 | 4.0 | 5.5 | 6.2 | 8.5 | 7.7 | 7.2 | 6.5 | 6.5 | 3.2 | 3.2 | 5.0 | 3.0 | 2.8 | 4.1 | 6.6 | 1.8 | 4.4 | 3.7 | 5.0 | 5.9 | 4.6 | 4.8 | 8.5 |
| 9 | 3.6 | S | 3.6 | 5.1 | 8.3 | 9.3 | 9.4 | 7.4 | 6.7 | 5.8 | 12.0 | 3.4 | 6.3 | 2.5 | 3.4 | 4.2 | 5.4 | 4.0 | 4.9 | 4.7 | 6.9 | 4.7 | 4.0 | 2.7 | 5.6 | 12.0 |
| 10 | 2.0 | S | 3.8 | 8.3 | 13.3 | 9.2 | 8.4 | 7.4 | 9.3 | 10.2 | 10.8 | 12.7 | 5.4 | 5.4 | 2.7 | 7.8 | 9.1 | 11.7 | 5.1 | 4.5 | 3.7 | 2.1 | 1.1 | 2.1 | 6.8 | 13.3 |
| 11 | 4.5 | S | 5.6 | 3.3 | 4.1 | 4.0 | 5.9 | 9.4 | 9.6 | 15.0 | 6.9 | 8.2 | 1.9 | 1.1 | 0.8 | 1.9 | 2.1 | 9.4 | 4.2 | 12.2 | 15.1 | 4.8 | 5.3 | 8.2 | 6.2 | 15.1 |
| 12 | 8.3 | S | 4.8 | 9.4 | 5.2 | 4.8 | 14.5 | 14.6 | 13.4 | 12.3 | 8.6 | 14.7 | 3.6 | 2.0 | 4.7 | 4.4 | 9.0 | 8.3 | 3.1 | 10.9 | 8.2 | 8.1 | 5.9 | 7.4 | 8.1 | 14.7 |
| 13 | 9.0 | S | 4.7 | 4.8 | 4.0 | 3.6 | 5.1 | 6.2 | 6.2 | 7.2 | 9.3 | 2.8 | 1.3 | 1.7 | 3.4 | 11.0 | 7.3 | 3.0 | 8.9 | 13.9 | 4.8 | 5.9 | 9.7 | 10.8 | 6.3 | 13.9 |
| 14 | 8.4 | S | 4.2 | 6.0 | 7.4 | 10.0 | 12.2 | 12.7 | 12.1 | C | C | C | C | C | C | C | 1.4 | 2.7 | 5.0 | 3.2 | 7.6 | 7.3 | 4.9 | 8.1 | - | - |
| 15 | 8.8 | S | 8.1 | 8.2 | 9.3 | 8.7 | 9.4 | 10.4 | 8.9 | 3.6 | 7.9 | 4.2 | 5.8 | 4.0 | 15.5 | 7.0 | 5.5 | 6.2 | 7.2 | 12.7 | 9.7 | 10.2 | 9.2 | 9.8 | 8.3 | 15.5 |
| 16 | 9.7 | S | 7.0 | 12.0 | 9.4 | 12.3 | 11.4 | 14.9 | 9.4 | 11.6 | 3.7 | 3.1 | 4.9 | 5.4 | 4.1 | 6.4 | 3.3 | 4.1 | 4.1 | 7.2 | 4.6 | 6.9 | 6.8 | 6.9 | 7.4 | 14.9 |
| 17 | 6.7 | S | 7.9 | 6.2 | 4.2 | 6.3 | 6.0 | 7.8 | 8.5 | 6.0 | 6.3 | 3.4 | 2.5 | 4.1 | 2.7 | 1.7 | 2.4 | 1.3 | 3.9 | 4.0 | 9.6 | 9.9 | 4.0 | 4.3 | 5.2 | 9.9 |
| 18 | 8.3 | S | 6.9 | 6.9 | 5.0 | 3.5 | 3.0 | 4.0 | 4.6 | 5.3 | 7.0 | 5.1 | 7.2 | 4.2 | 3.4 | 3.3 | 2.7 | 2.7 | 3.4 | 10.2 | 17.2 | 5.5 | 2.8 | 4.5 | 5.5 | 17.2 |
| 19 | 8.6 | S | 15.8 | 10.3 | 11.6 | 6.2 | 5.1 | 8.4 | 11.8 | 10.5 | 7.7 | 5.6 | 12.1 | 4.9 | 8.4 | 9.6 | 9.9 | 3.4 | 7.0 | 6.1 | 8.2 | 5.3 | 3.6 | 5.5 | 8.1 | 15.8 |
| 20 | 6.7 | S | 8.7 | 11.1 | 10.7 | 9.9 | 6.6 | 6.7 | 8.4 | 4.5 | 7.4 | 9.2 | 2.3 | 2.7 | 13.6 | 10.4 | 14.7 | 11.5 | 11.6 | 10.4 | 7.4 | 4.1 | 2.9 | 5.0 | 8.1 | 14.7 |
| 21 | 4.5 | S | 5.0 | 4.4 | 4.6 | 7.7 | 9.5 | 14.0 | 12.4 | 10.9 | 10.8 | 11.6 | 9.5 | 6.5 | 5.2 | 2.8 | 1.4 | 2.2 | 4.5 | 7.4 | 2.0 | 2.1 | 2.9 | 4.2 | 6.4 | 14.0 |
| 22 | 5.8 | S | 4.3 | 5.0 | 5.9 | 4.8 | 4.3 | 4.2 | 2.5 | 6.4 | 7.2 | 5.6 | 2.7 | 3.7 | 3.8 | 6.2 | 6.6 | 6.4 | 3.0 | 5.4 | 5.2 | 5.0 | 5.8 | 9.4 | 5.2 | 9.4 |
| 23 | 7.4 | S | 9.1 | 9.9 | 9.8 | 8.2 | 5.9 | 7.9 | 5.4 | 6.0 | 3.1 | 5.0 | 2.5 | 3.4 | 6.8 | 4.2 | 1.4 | 7.4 | 10.3 | 3.8 | 5.3 | 8.6 | 2.1 | 4.4 | 6.0 | 10.3 |
| 24 | 4.2 | S | 6.6 | 3.0 | 2.9 | 2.7 | 1.6 | 0.8 | 0.9 | 1.0 | 0.9 | 1.0 | 1.0 | 0.8 | 0.8 | 0.7 | 0.7 | 0.8 | 0.6 | 0.7 | 1.0 | 2.3 | 1.5 | 1.6 | 1.7 | 6.6 |
| 25 | 1.8 | S | 1.8 | 2.4 | 2.7 | 2.6 | 2.2 | 4.7 | 4.0 | 1.4 | 0.9 | 2.5 | 3.0 | 2.1 | 1.5 | 1.6 | 2.2 | 2.6 | 2.2 | 4.3 | 3.0 | 3.9 | 6.4 | 5.1 | 2.8 | 6.4 |
| 26 | 7.8 | S | 7.9 | 7.0 | 8.5 | 4.9 | 6.7 | 6.3 | 7.8 | 7.2 | 6.0 | 9.7 | 5.9 | 1.6 | 0.8 | 0.7 | 0.8 | 1.4 | 3.0 | 0.7 | 0.6 | 0.7 | 0.7 | 1.7 | 4.3 | 9.7 |
| 27 | 4.0 | S | 16.8 | 12.4 | 9.4 | 8.0 | 15.0 | 11.0 | 6.5 | 5.7 | 13.2 | 13.7 | 15.5 | 16.6 | 8.6 | 7.4 | 13.2 | 9.8 | 3.9 | 1.3 | 4.3 | 1.7 | 1.7 | 5.5 | 8.9 | 16.8 |
| 28 | 4.4 | S | 6.4 | 13.6 | 15.8 | 15.9 | 10.2 | 11.4 | 18.7 | 13.7 | 7.4 | 11.6 | 10.6 | 7.2 | 7.8 | 5.2 | 5.8 | 3.9 | 5.8 | 6.1 | 7.7 | 6.3 | 6.3 | 6.0 | 9.0 | 18.7 |
| 29 | 3.7 | S | 4.6 | 4.5 | 4.8 | 4.6 | 6.4 | 3.3 | 3.5 | 6.0 | 2.9 | 1.8 | 1.1 | 1.0 | 0.8 | 0.7 | 0.9 | 0.6 | 1.8 | 5.2 | 1.9 | 2.7 | 4.6 | 5.9 | 3.2 | 6.4 |
| 30 | 6.9 | S | 8.6 | 5.1 | 7.1 | 5.8 | 6.0 | 8.5 | 8.0 | 5.3 | 7.2 | 5.7 | 6.6 | 7.1 | 5.1 | 5.3 | 2.6 | 3.1 | 6.5 | 6.5 | 6.7 | 4.7 | 18.2 | 12.9 | 6.9 | 18.2 |
| 31 | 11.2 | S | 12.2 | 12.0 | 9.4 | 13.5 | 10.6 | 7.6 | 5.7 | 9.1 | 7.3 | 8.5 | 8.2 | 8.8 | 7.4 | 4.0 | 2.4 | 2.3 | 5.4 | 13.3 | 8.7 | 6.5 | 5.7 | 9.0 | 8.2 | 13.5 |
| NO. | 31 | - | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 706 | 100.0% |
| MEAN | 6.4 | - | 7.4 | 8.3 | 8.3 | 7.8 | 8.4 | 8.5 | 8.3 | 7.8 | 7.5 | 6.8 | 5.8 | 4.6 | 5.1 | 4.9 | 5.0 | 4.8 | 5.0 | 7.2 | 6.4 | 6.1 | 5.5 | 6.2 | | |
| MAX | 12.1 | - | 16.8 | 19.7 | 17.1 | 17.5 | 21.1 | 14.9 | 18.7 | 22.3 | 26.7 | 14.7 | 18.5 | 16.6 | 15.5 | 11.0 | 14.7 | 11.7 | 11.6 | 16.3 | 17.2 | 15.7 | 18.2 | 12.9 | | |



| | |
|-----------------------------|----------|
| Number of 1HR Exceedences | 0 |
| Number of Non-Zero Readings | 706 |
| Maximum 1-HR Average | 26.7 PPB |
| Maximum 24-HR Average | 9.6 PPB |
| Operational Time | 744 HRS |
| Operational Uptime | 100.0 % |
| Monthly Calibration | 7 |
| Standard Deviation | 3.9 |
| Monthly Average | 6.6 PPB |

Lagoon NOx (ppb) – August 2024

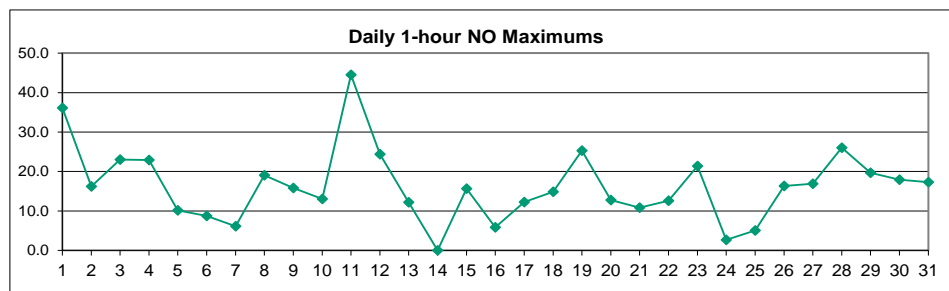
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|-------------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 1 | 8.0 | S | 8.5 | 5.9 | 11.0 | 12.9 | 20.2 | 18.8 | 44.3 | 53.6 | 62.6 | 9.5 | 1.9 | 4.8 | 2.4 | 2.7 | 5.0 | 8.7 | 11.3 | 20.5 | 2.5 | 3.4 | 5.8 | 12.1 | 14.6 | 62.6 | |
| 2 | 14.3 | S | 11.0 | 24.1 | 21.9 | 26.2 | 37.0 | 16.5 | 17.8 | 3.3 | 4.5 | 15.5 | 16.2 | 10.3 | 7.7 | 7.8 | 4.9 | 6.2 | 6.8 | 3.4 | 4.5 | 15.3 | 7.8 | 6.9 | 12.6 | 37.0 | |
| 3 | 7.6 | S | 16.8 | 23.2 | 11.5 | 8.7 | 8.1 | 16.8 | 31.2 | 18.7 | 22.4 | 15.4 | 23.2 | 4.3 | 6.8 | 9.1 | 6.1 | 3.1 | 5.4 | 5.9 | 4.5 | 12.0 | 8.1 | 30.8 | 13.0 | 31.2 | |
| 4 | 29.7 | S | 18.7 | 17.1 | 17.6 | 17.9 | 24.6 | 24.8 | 12.3 | 7.7 | 15.0 | 7.9 | 3.5 | 3.1 | 9.0 | 2.6 | 13.7 | 6.5 | 8.5 | 17.9 | 24.0 | 21.9 | 12.2 | 4.0 | 13.9 | 29.7 | |
| 5 | 2.0 | S | 9.6 | 18.5 | 26.9 | 12.9 | 15.6 | 19.2 | 6.6 | 13.7 | 2.1 | 8.7 | 11.3 | 5.9 | 6.9 | 8.1 | 6.1 | 2.2 | 3.2 | 19.4 | 7.2 | 9.7 | 4.5 | 13.5 | 10.2 | 26.9 | |
| 6 | 5.8 | S | 7.5 | 7.6 | 5.6 | 2.9 | 10.3 | 18.2 | 8.1 | 5.1 | 2.5 | 8.1 | 4.6 | 1.6 | 7.4 | 6.8 | 1.8 | 9.8 | 6.3 | 4.9 | 12.3 | 13.6 | 7.2 | 2.1 | 7.0 | 18.2 | |
| 7 | 7.9 | S | 4.5 | 8.9 | 3.9 | 7.2 | 5.5 | 2.6 | 2.3 | 13.2 | 7.1 | 7.6 | 7.9 | 13.7 | 15.4 | 12.4 | 11.5 | 3.5 | 2.1 | 10.2 | 5.3 | 3.8 | 3.9 | 5.7 | 7.2 | 15.4 | |
| 8 | 4.8 | S | 10.3 | 6.1 | 9.2 | 14.4 | 27.1 | 21.0 | 15.0 | 13.6 | 11.2 | 3.9 | 3.8 | 6.2 | 4.4 | 3.6 | 5.1 | 8.7 | 1.6 | 9.3 | 3.3 | 4.8 | 13.9 | 4.7 | 9.0 | 27.1 | |
| 9 | 4.0 | S | 6.4 | 6.1 | 15.4 | 17.2 | 24.7 | 20.1 | 17.3 | 10.9 | 23.5 | 4.3 | 8.5 | 3.0 | 4.2 | 5.5 | 6.8 | 4.4 | 6.3 | 4.7 | 8.4 | 4.5 | 3.6 | 2.3 | 9.2 | 24.7 | |
| 10 | 1.6 | S | 3.9 | 8.9 | 20.9 | 14.0 | 14.2 | 17.1 | 19.1 | 22.8 | 17.2 | 19.1 | 7.1 | 6.8 | 2.5 | 8.4 | 11.1 | 15.5 | 6.6 | 8.8 | 6.3 | 2.4 | 0.9 | 1.9 | 10.3 | 22.8 | |
| 11 | 5.0 | S | 9.9 | 6.7 | 9.3 | 10.6 | 17.1 | 53.6 | 36.2 | 56.8 | 14.5 | 14.3 | 2.0 | 0.9 | 0.5 | 1.9 | 2.1 | 11.8 | 4.4 | 17.2 | 16.7 | 4.4 | 5.0 | 9.6 | 13.5 | 56.8 | |
| 12 | 10.2 | S | 6.3 | 20.8 | 8.0 | 6.8 | 34.2 | 38.7 | 34.5 | 26.0 | 15.1 | 33.3 | 4.7 | 2.1 | 6.3 | 4.4 | 13.3 | 11.4 | 3.6 | 15.7 | 11.4 | 11.6 | 8.0 | 10.9 | 14.7 | 38.7 | |
| 13 | 17.2 | S | 6.8 | 9.1 | 5.7 | 5.2 | 9.0 | 14.0 | 13.9 | 16.6 | 21.0 | 3.4 | 1.0 | 1.7 | 4.2 | 15.2 | 8.9 | 3.4 | 12.8 | 16.5 | 4.6 | 9.2 | 11.6 | 15.8 | 9.9 | 21.0 | |
| 14 | 11.4 | S | 6.5 | 9.2 | 13.4 | 26.9 | 34.4 | 41.4 | 32.4 | C | C | C | C | C | C | C | 1.1 | 2.9 | 5.5 | 3.0 | 9.3 | 7.0 | 5.9 | 12.2 | - | - | |
| 15 | 9.8 | S | 7.9 | 9.6 | 9.2 | 10.2 | 14.5 | 25.7 | 22.2 | 5.4 | 12.5 | 4.4 | 6.5 | 4.3 | 23.5 | 8.9 | 6.6 | 7.4 | 8.0 | 20.0 | 10.6 | 21.1 | 14.6 | 13.0 | 12.0 | 25.7 | |
| 16 | 11.3 | S | 7.2 | 16.3 | 12.7 | 16.9 | 12.9 | 18.6 | 10.7 | 17.0 | 3.4 | 2.9 | 4.7 | 5.4 | 4.2 | 8.0 | 3.0 | 3.8 | 3.8 | 7.0 | 4.3 | 6.5 | 7.9 | 6.7 | 8.5 | 18.6 | |
| 17 | 6.3 | S | 8.8 | 6.5 | 4.6 | 7.3 | 7.7 | 17.0 | 20.3 | 13.6 | 15.5 | 5.2 | 3.1 | 7.4 | 3.6 | 1.8 | 2.6 | 1.1 | 6.7 | 4.2 | 14.5 | 13.3 | 3.7 | 4.2 | 7.8 | 20.3 | |
| 18 | 10.3 | S | 10.5 | 9.3 | 6.9 | 4.3 | 4.8 | 18.5 | 13.1 | 16.3 | 12.1 | 7.2 | 10.4 | 5.3 | 3.7 | 4.1 | 3.8 | 3.5 | 6.3 | 12.9 | 22.9 | 5.1 | 2.5 | 4.9 | 8.6 | 22.9 | |
| 19 | 9.3 | S | 40.7 | 17.8 | 22.7 | 6.6 | 5.3 | 14.6 | 22.8 | 18.1 | 11.7 | 7.0 | 19.1 | 6.9 | 12.2 | 13.3 | 13.4 | 3.7 | 7.8 | 6.2 | 7.9 | 5.2 | 3.5 | 5.5 | 12.2 | 40.7 | |
| 20 | 6.3 | S | 11.2 | 16.7 | 16.8 | 13.7 | 7.8 | 10.9 | 13.2 | 7.0 | 8.8 | 11.9 | 2.2 | 2.7 | 22.7 | 18.9 | 27.1 | 19.6 | 18.3 | 11.9 | 7.0 | 3.7 | 2.6 | 5.1 | 11.6 | 27.1 | |
| 21 | 4.6 | S | 5.0 | 4.5 | 5.6 | 10.0 | 15.0 | 24.1 | 21.2 | 21.3 | 20.7 | 20.0 | 15.0 | 7.9 | 6.6 | 3.5 | 1.4 | 2.4 | 5.3 | 10.7 | 1.7 | 1.8 | 2.6 | 4.5 | 9.4 | 24.1 | |
| 22 | 6.3 | S | 5.1 | 6.4 | 11.5 | 9.2 | 9.6 | 16.4 | 8.5 | 15.0 | 11.9 | 8.1 | 3.0 | 4.8 | 5.3 | 7.9 | 8.5 | 8.3 | 2.9 | 5.2 | 4.9 | 4.6 | 5.5 | 9.1 | 7.7 | 16.4 | |
| 23 | 7.4 | S | 16.5 | 21.5 | 30.9 | 24.2 | 13.9 | 19.0 | 14.0 | 13.6 | 4.7 | 6.9 | 2.7 | 3.8 | 8.8 | 4.8 | 1.2 | 8.9 | 11.6 | 3.4 | 4.9 | 8.2 | 1.7 | 4.1 | 10.3 | 30.9 | |
| 24 | 4.0 | S | 8.9 | 3.1 | 2.7 | 2.4 | 1.3 | 0.4 | 0.6 | 0.6 | 0.5 | 0.8 | 0.6 | 0.5 | 0.5 | 0.3 | 0.5 | 0.5 | 0.2 | 0.5 | 0.6 | 2.4 | 1.2 | 1.6 | 1.5 | 8.9 | |
| 25 | 1.6 | S | 1.9 | 2.3 | 2.7 | 2.7 | 2.6 | 9.4 | 8.4 | 1.7 | 0.8 | 3.8 | 4.7 | 2.7 | 1.5 | 1.6 | 2.5 | 3.3 | 2.1 | 4.1 | 2.7 | 4.5 | 8.6 | 5.8 | 3.6 | 9.4 | |
| 26 | 10.7 | S | 13.7 | 11.2 | 14.6 | 6.9 | 12.2 | 12.2 | 23.7 | 15.6 | 11.1 | 20.3 | 11.0 | 1.8 | 0.5 | 0.3 | 0.5 | 1.4 | 4.0 | 0.4 | 0.2 | 0.3 | 0.4 | 1.5 | 7.6 | 23.7 | |
| 27 | 4.1 | S | 30.9 | 19.2 | 12.6 | 10.8 | 22.4 | 14.9 | 11.3 | 7.6 | 22.2 | 23.1 | 28.6 | 33.1 | 14.5 | 12.0 | 24.0 | 17.6 | 4.6 | 0.8 | 5.8 | 1.4 | 1.4 | 7.5 | 14.4 | 33.1 | |
| 28 | 4.6 | S | 8.0 | 24.3 | 27.6 | 31.9 | 18.5 | 19.8 | 44.4 | 33.0 | 12.9 | 29.1 | 23.9 | 14.3 | 17.0 | 11.2 | 10.7 | 6.2 | 11.6 | 12.6 | 14.5 | 12.0 | 18.4 | 16.7 | 18.4 | 44.4 | |
| 29 | 8.2 | S | 11.1 | 11.7 | 7.5 | 6.7 | 19.6 | 9.9 | 13.1 | 25.3 | 5.3 | 2.4 | 1.0 | 1.0 | 0.7 | 0.6 | 0.7 | 0.3 | 2.2 | 6.9 | 1.7 | 2.6 | 5.9 | 9.4 | 6.7 | 25.3 | |
| 30 | 12.6 | S | 26.1 | 10.5 | 18.0 | 10.4 | 9.2 | 22.8 | 19.1 | 11.0 | 16.7 | 9.5 | 10.0 | 11.9 | 8.7 | 8.7 | 3.6 | 4.2 | 10.1 | 7.6 | 6.5 | 4.5 | 25.9 | 17.9 | 12.4 | 26.1 | |
| 31 | 11.2 | S | 15.3 | 17.8 | 11.2 | 16.5 | 17.4 | 21.3 | 13.5 | 26.0 | 16.8 | 15.9 | 14.4 | 14.4 | 11.2 | 6.6 | 3.3 | 2.3 | 6.0 | 23.6 | 8.6 | 6.4 | 5.4 | 9.2 | 12.8 | 26.0 | |
| NO. | 31 | - | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 706 | 100.0% |
| MEAN | 8.3 | - | 11.5 | 12.3 | 12.8 | 12.1 | 15.4 | 19.3 | 18.4 | 17.0 | 13.5 | 11.0 | 8.6 | 6.4 | 7.4 | 6.7 | 6.8 | 6.2 | 6.3 | 9.5 | 7.7 | 7.3 | 6.8 | 8.4 | | | |
| MAX | 29.7 | - | 40.7 | 24.3 | 30.9 | 31.9 | 37.0 | 53.6 | 44.4 | 56.8 | 62.6 | 33.3 | 28.6 | 33.1 | 23.5 | 18.9 | 27.1 | 19.6 | 18.3 | 23.6 | 24.0 | 21.9 | 25.9 | 30.8 | | | |



| | | | |
|-----------------------------|----------|--------------------|----------|
| Number of Non-Zero Readings | 706 | | |
| Maximum 1-HR Average | 62.6 PPB | | |
| Maximum 24-HR Average | 18.4 PPB | | |
| Monthly Calibration | 7 | Operational Time | 744 HRS |
| Standard Deviation | 8.513 | Operational Uptime | 100.0 % |
| | | Monthly Average | 10.4 PPB |

Lagoon NO (ppb) – August 2024

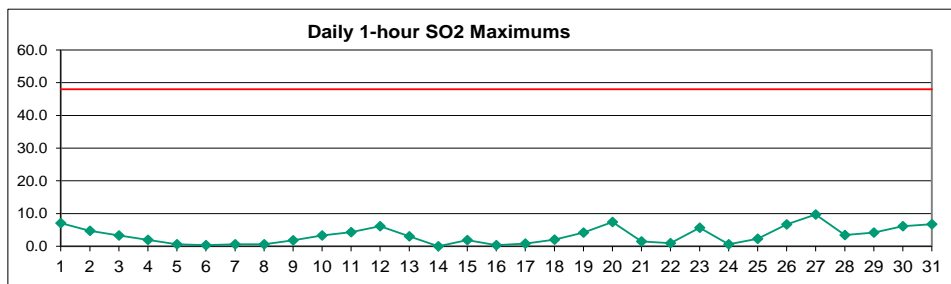
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|-----|-----|------|------|------|------|------|------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 0.7 | S | 1.3 | 0.3 | 1.3 | 2.5 | 7.3 | 8.3 | 29.1 | 31.5 | 36.1 | 3.6 | 0.5 | 1.8 | 0.5 | 0.6 | 1.1 | 2.4 | 2.5 | 4.6 | 0.0 | 0.0 | 0.0 | 2.1 | 6.0 | 36.1 |
| 2 | 2.6 | S | 1.7 | 7.2 | 7.4 | 9.0 | 16.2 | 4.1 | 5.5 | 0.6 | 1.1 | 5.7 | 5.3 | 2.9 | 2.0 | 1.9 | 0.7 | 0.9 | 0.3 | 0.2 | 0.1 | 0.9 | 0.1 | 0.1 | 3.3 | 16.2 |
| 3 | 1.7 | S | 1.6 | 3.9 | 1.2 | 0.7 | 1.0 | 6.7 | 16.3 | 7.2 | 9.6 | 4.4 | 5.1 | 0.5 | 1.0 | 1.8 | 1.7 | 0.5 | 2.2 | 0.9 | 0.8 | 6.7 | 0.9 | 23.1 | 4.3 | 23.1 |
| 4 | 22.9 | S | 9.5 | 2.0 | 2.3 | 5.1 | 14.4 | 14.7 | 4.2 | 2.4 | 4.8 | 1.9 | 0.6 | 0.2 | 2.2 | 0.1 | 2.9 | 0.9 | 1.1 | 6.2 | 12.5 | 6.6 | 0.8 | 0.6 | 5.2 | 22.9 |
| 5 | 0.1 | S | 0.5 | 8.0 | 10.2 | 3.4 | 5.5 | 9.9 | 2.5 | 6.0 | 0.3 | 3.2 | 3.9 | 1.3 | 2.0 | 2.8 | 2.3 | 0.3 | 0.1 | 4.7 | 0.2 | 1.9 | 0.4 | 3.8 | 3.2 | 10.2 |
| 6 | 0.3 | S | 1.0 | 1.4 | 0.9 | 0.1 | 2.5 | 8.8 | 2.3 | 1.2 | 0.7 | 3.5 | 1.7 | 0.2 | 4.1 | 3.8 | 0.1 | 3.0 | 1.0 | 0.1 | 2.5 | 2.7 | 0.3 | 0.0 | 1.8 | 8.8 |
| 7 | 1.4 | S | 0.6 | 3.2 | 0.1 | 0.4 | 0.3 | 0.1 | 0.0 | 4.7 | 1.4 | 1.5 | 1.6 | 3.9 | 6.1 | 4.7 | 4.0 | 0.5 | 0.0 | 3.5 | 0.5 | 0.0 | 0.1 | 0.5 | 1.7 | 6.1 |
| 8 | 1.8 | S | 8.2 | 2.5 | 4.2 | 8.8 | 19.0 | 13.7 | 8.4 | 7.7 | 5.3 | 1.1 | 0.9 | 1.5 | 1.7 | 1.1 | 1.4 | 2.5 | 0.2 | 5.3 | 0.0 | 0.2 | 8.4 | 0.5 | 4.5 | 19.0 |
| 9 | 0.6 | S | 3.1 | 1.3 | 7.5 | 8.5 | 15.8 | 13.2 | 11.1 | 5.5 | 11.9 | 1.2 | 2.6 | 0.8 | 1.1 | 1.6 | 1.7 | 0.8 | 1.8 | 0.3 | 1.8 | 0.1 | 0.0 | 0.0 | 4.0 | 15.8 |
| 10 | 0.0 | S | 0.4 | 1.0 | 7.9 | 5.3 | 6.2 | 10.1 | 10.3 | 13.0 | 6.9 | 6.9 | 2.1 | 1.8 | 0.5 | 0.9 | 2.5 | 4.3 | 1.8 | 4.7 | 3.0 | 0.6 | 0.1 | 0.0 | 3.9 | 13.0 |
| 11 | 0.8 | S | 4.7 | 3.8 | 5.6 | 6.9 | 11.6 | 44.5 | 26.9 | 42.1 | 8.0 | 6.4 | 0.5 | 0.1 | 0.0 | 0.3 | 0.3 | 2.8 | 0.6 | 5.3 | 1.9 | 0.0 | 0.0 | 1.8 | 7.6 | 44.5 |
| 12 | 2.3 | S | 1.9 | 11.9 | 3.2 | 2.3 | 20.0 | 24.4 | 21.5 | 14.2 | 7.0 | 19.0 | 1.5 | 0.5 | 1.9 | 0.3 | 4.6 | 3.4 | 0.9 | 5.2 | 3.6 | 3.9 | 2.4 | 4.0 | 7.0 | 24.4 |
| 13 | 8.6 | S | 2.4 | 4.7 | 2.0 | 1.9 | 4.2 | 8.3 | 8.1 | 9.9 | 12.2 | 1.0 | 0.1 | 0.3 | 1.1 | 4.6 | 1.9 | 0.8 | 4.3 | 3.1 | 0.1 | 3.6 | 2.2 | 5.4 | 3.9 | 12.2 |
| 14 | 3.5 | S | 2.7 | 3.6 | 6.4 | 17.3 | 22.6 | 29.0 | 20.7 | C | C | C | C | C | C | C | 0.0 | 0.3 | 0.9 | 0.1 | 2.0 | 0.0 | 1.2 | 4.5 | - | - |
| 15 | 1.3 | S | 0.1 | 1.7 | 0.2 | 1.8 | 5.5 | 15.7 | 13.6 | 2.1 | 4.9 | 0.4 | 1.0 | 0.7 | 8.4 | 2.3 | 1.4 | 1.6 | 1.1 | 7.6 | 1.2 | 11.2 | 5.9 | 3.6 | 4.1 | 15.7 |
| 16 | 2.0 | S | 0.5 | 4.6 | 3.5 | 4.9 | 1.8 | 4.1 | 1.7 | 5.9 | 0.1 | 0.1 | 0.2 | 0.4 | 0.4 | 2.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 1.5 | 0.2 | 1.5 | 5.9 |
| 17 | 0.1 | S | 1.4 | 0.7 | 0.7 | 1.4 | 2.1 | 9.7 | 12.3 | 8.0 | 9.6 | 2.2 | 0.9 | 3.6 | 1.2 | 0.4 | 0.5 | 0.1 | 3.2 | 0.5 | 5.3 | 3.8 | 0.1 | 0.3 | 3.0 | 12.3 |
| 18 | 2.4 | S | 4.0 | 2.8 | 2.2 | 1.1 | 2.1 | 14.8 | 9.0 | 11.5 | 5.5 | 2.4 | 3.6 | 1.4 | 0.7 | 1.1 | 1.5 | 1.0 | 3.2 | 3.1 | 6.1 | 0.0 | 0.0 | 0.7 | 3.5 | 14.8 |
| 19 | 1.1 | S | 25.3 | 8.0 | 11.5 | 0.7 | 0.6 | 6.6 | 11.5 | 8.2 | 4.4 | 1.8 | 7.5 | 2.4 | 4.2 | 4.1 | 3.9 | 0.6 | 1.2 | 0.4 | 0.1 | 0.2 | 0.3 | 0.4 | 4.6 | 25.3 |
| 20 | 0.0 | S | 2.9 | 5.9 | 6.5 | 4.2 | 1.6 | 4.5 | 5.3 | 2.8 | 1.8 | 3.1 | 0.3 | 0.4 | 9.4 | 8.8 | 12.8 | 8.4 | 7.1 | 1.9 | 0.0 | 0.0 | 0.0 | 0.4 | 3.8 | 12.8 |
| 21 | 0.4 | S | 0.3 | 0.4 | 1.3 | 2.7 | 5.9 | 10.5 | 9.2 | 10.9 | 10.3 | 8.9 | 6.0 | 1.8 | 1.7 | 1.1 | 0.3 | 0.6 | 1.1 | 3.8 | 0.1 | 0.0 | 0.1 | 0.6 | 3.4 | 10.9 |
| 22 | 0.9 | S | 1.2 | 1.7 | 6.0 | 4.8 | 5.8 | 12.6 | 6.5 | 9.1 | 5.1 | 2.8 | 0.7 | 1.5 | 1.9 | 2.2 | 2.2 | 2.3 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 2.9 | 12.6 |
| 23 | 0.3 | S | 7.8 | 12.1 | 21.4 | 16.4 | 8.5 | 11.6 | 9.0 | 8.0 | 1.9 | 2.3 | 0.6 | 0.8 | 2.4 | 1.0 | 0.1 | 1.8 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.7 | 21.4 |
| 24 | 0.2 | S | 2.7 | 0.5 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.4 | 0.1 | 0.3 | 0.2 | 2.7 |
| 25 | 0.2 | S | 0.4 | 0.3 | 0.3 | 0.4 | 0.7 | 5.1 | 4.7 | 0.6 | 0.2 | 1.7 | 2.0 | 1.0 | 0.3 | 0.3 | 0.6 | 1.0 | 0.3 | 0.1 | 0.0 | 1.0 | 2.5 | 1.0 | 1.1 | 5.1 |
| 26 | 3.3 | S | 6.3 | 4.6 | 6.5 | 2.4 | 5.9 | 6.3 | 16.4 | 8.9 | 5.5 | 11.1 | 5.6 | 0.6 | 0.1 | 0.0 | 0.1 | 0.3 | 1.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 3.7 | 16.4 |
| 27 | 0.4 | S | 14.5 | 7.2 | 3.6 | 3.3 | 7.9 | 4.4 | 5.2 | 2.3 | 9.5 | 9.9 | 13.5 | 16.9 | 6.3 | 5.0 | 11.2 | 8.2 | 1.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.4 | 5.8 | 16.9 |
| 28 | 0.5 | S | 1.9 | 10.9 | 12.2 | 16.3 | 8.7 | 8.8 | 26.0 | 19.7 | 5.9 | 17.9 | 13.8 | 7.5 | 9.7 | 6.5 | 5.4 | 2.7 | 6.3 | 6.9 | 7.2 | 6.1 | 12.5 | 11.1 | 9.8 | 26.0 |
| 29 | 4.9 | S | 6.9 | 7.5 | 3.1 | 2.5 | 13.5 | 6.9 | 10.0 | 19.7 | 2.8 | 0.9 | 0.2 | 0.4 | 0.2 | 0.2 | 0.1 | 0.0 | 0.7 | 2.1 | 0.2 | 0.1 | 1.6 | 3.9 | 3.9 | 19.7 |
| 30 | 6.2 | S | 17.9 | 5.9 | 11.3 | 4.9 | 3.6 | 14.8 | 11.6 | 6.1 | 9.9 | 4.2 | 3.9 | 5.2 | 4.0 | 3.8 | 1.3 | 1.5 | 4.0 | 1.5 | 0.2 | 0.2 | 8.1 | 5.4 | 5.9 | 17.9 |
| 31 | 0.5 | S | 3.6 | 6.3 | 2.2 | 3.4 | 7.3 | 14.2 | 8.3 | 17.3 | 9.9 | 7.9 | 6.6 | 6.1 | 4.2 | 3.0 | 1.3 | 0.4 | 1.0 | 10.7 | 0.3 | 0.3 | 0.0 | 0.6 | 5.0 | 17.3 |
| NO. | 31 | - | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 706 | 100.0% |
| MEAN | 2.3 | - | 4.4 | 4.4 | 4.9 | 4.6 | 7.4 | 11.2 | 10.6 | 9.6 | 6.4 | 4.6 | 3.1 | 2.2 | 2.7 | 2.2 | 2.2 | 1.7 | 1.6 | 2.7 | 1.7 | 1.6 | 1.6 | 2.5 | - | - |
| MAX | 22.9 | - | 25.3 | 12.1 | 21.4 | 17.3 | 22.6 | 44.5 | 29.1 | 42.1 | 36.1 | 19.0 | 13.8 | 16.9 | 9.7 | 8.8 | 12.8 | 8.4 | 7.1 | 10.7 | 12.5 | 11.2 | 12.5 | 23.1 | - | - |



| | | | |
|-----------------------------|----------|-----------------|---------|
| Number of Non-Zero Readings | 677 | | |
| Maximum 1-HR Average | 44.5 PPB | | |
| Maximum 24-HR Average | 9.8 PPB | | |
| Operational Time | 744 HRS | | |
| Operational Uptime | 100.0 % | | |
| Monthly Calibration | 7 | | |
| Standard Deviation | 5.578 | Monthly Average | 4.2 PPB |

Lagoon SO₂ (ppb) – August 2024

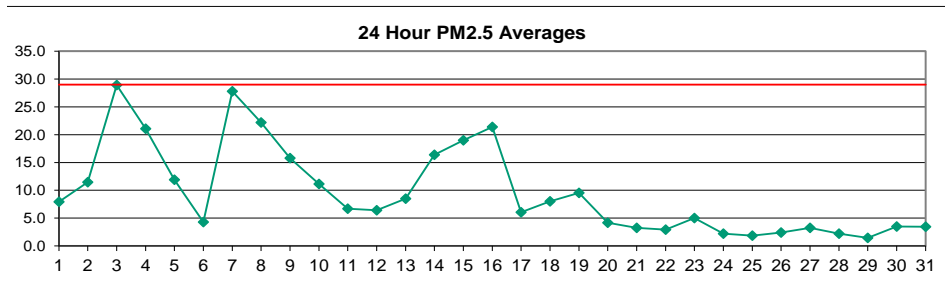
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|------|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 1 | 0.7 | S | 1.3 | 0.4 | 0.1 | 0.1 | 0.4 | 0.5 | 4.2 | 6.0 | 7.1 | 0.9 | 0.2 | 0.2 | 0.4 | 0.1 | 0.3 | 0.6 | 1.1 | 1.6 | 0.2 | 0.3 | 0.3 | 0.5 | 1.2 | 7.1 | |
| 2 | 1.9 | S | 1.6 | 4.3 | 4.1 | 3.4 | 4.7 | 0.3 | 1.0 | 0.6 | 0.7 | 0.9 | 1.0 | 1.3 | 1.4 | 0.6 | 0.7 | 0.8 | 0.5 | 0.3 | 0.1 | 0.2 | 0.1 | 0.2 | 1.3 | 4.7 | |
| 3 | 0.1 | S | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.5 | 2.8 | 2.6 | 3.3 | 3.1 | 2.9 | 1.9 | 2.1 | 0.7 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.4 | 1.0 | 3.3 | |
| 4 | 0.5 | S | 0.2 | 0.2 | 0.1 | 0.3 | 1.0 | 0.6 | 0.1 | 0.2 | 1.9 | 0.9 | 1.2 | 0.7 | 0.4 | 0.2 | 0.3 | 0.4 | 0.3 | 0.5 | 1.5 | 0.5 | 0.2 | 0.3 | 0.5 | 1.9 | |
| 5 | 0.2 | S | 0.0 | 0.0 | 0.4 | 0.3 | 0.2 | 0.4 | 0.2 | 0.3 | 0.2 | 0.4 | 0.5 | 0.6 | 0.4 | 0.6 | 0.5 | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.3 | 0.6 | |
| 6 | 0.1 | S | 0.0 | 0.1 | 0.2 | 0.1 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.3 | |
| 7 | 0.2 | S | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.2 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.5 | 0.6 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.1 | 0.6 | |
| 8 | 0.1 | S | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.3 | 0.3 | 0.4 | 0.5 | 0.3 | 0.3 | 0.4 | 0.1 | 0.2 | 0.3 | 0.6 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.6 | |
| 9 | 0.0 | S | 0.0 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 0.3 | 0.4 | 1.8 | 0.4 | 1.0 | 0.3 | 0.5 | 0.6 | 0.7 | 0.6 | 0.4 | 0.5 | 0.2 | 0.1 | 0.1 | 0.2 | 0.4 | 1.8 | |
| 10 | 0.2 | S | 0.0 | 0.1 | 0.3 | 0.5 | 0.5 | 0.8 | 1.3 | 3.3 | 1.7 | 1.3 | 0.5 | 0.6 | 0.4 | 0.5 | 0.8 | 0.4 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.6 | 3.3 | |
| 11 | 0.2 | S | 0.3 | 0.3 | 0.5 | 0.4 | 0.7 | 2.8 | 2.5 | 4.4 | 1.9 | 1.7 | 0.3 | 0.4 | 0.2 | 0.8 | 0.6 | 0.9 | 0.7 | 0.7 | 0.5 | 0.2 | 0.3 | 0.5 | 1.0 | 4.4 | |
| 12 | 0.8 | S | 0.4 | 1.8 | 0.7 | 0.6 | 3.6 | 5.4 | 4.7 | 3.1 | 1.6 | 6.2 | 1.0 | 0.4 | 0.5 | 0.4 | 0.7 | 0.6 | 0.4 | 2.0 | 1.0 | 0.9 | 0.6 | 0.8 | 1.7 | 6.2 | |
| 13 | 0.8 | S | 0.3 | 0.6 | 0.3 | 0.3 | 0.4 | 1.1 | 1.4 | 3.0 | 2.0 | 0.5 | 0.4 | 0.4 | 0.4 | 0.9 | 0.9 | 0.7 | 1.3 | 2.7 | 0.4 | 0.3 | 0.5 | 1.4 | 0.9 | 3.0 | |
| 14 | 1.2 | S | 0.3 | 0.3 | 1.0 | 2.0 | 3.3 | 3.8 | 1.2 | C | C | C | C | C | C | C | C | 0.1 | 0.2 | 0.7 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | - | - |
| 15 | 0.0 | S | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 1.9 | 0.1 | 1.2 | 0.4 | 1.0 | 0.6 | 1.3 | 0.3 | 0.2 | 0.3 | 0.0 | 0.2 | 0.0 | 0.1 | 0.1 | 0.1 | 0.4 | 1.9 | |
| 16 | 0.1 | S | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.4 | 0.3 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | |
| 17 | 0.0 | S | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.7 | 0.8 | 0.3 | 0.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | |
| 18 | 0.0 | S | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.7 | 2.0 | 1.7 | 0.7 | 0.6 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.0 | 0.1 | 0.0 | 0.4 | 2.0 | |
| 19 | 0.0 | S | 3.3 | 0.8 | 1.8 | 0.2 | 0.1 | 0.2 | 1.6 | 2.6 | 1.2 | 0.6 | 4.2 | 1.2 | 1.9 | 2.0 | 1.9 | 0.7 | 0.4 | 0.2 | 0.2 | 0.4 | 0.2 | 0.1 | 1.1 | 4.2 | |
| 20 | 0.1 | S | 1.2 | 3.1 | 2.5 | 1.4 | 0.8 | 0.6 | 1.9 | 0.6 | 0.7 | 0.2 | 0.0 | 0.0 | 3.6 | 3.3 | 7.4 | 4.6 | 4.3 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 1.6 | 7.4 | |
| 21 | 0.2 | S | 0.3 | 0.3 | 0.2 | 0.7 | 0.7 | 1.2 | 0.5 | 1.0 | 1.5 | 1.2 | 1.3 | 0.4 | 0.3 | 0.3 | 0.1 | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.5 | |
| 22 | 0.0 | S | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.5 | 0.7 | 0.2 | 0.4 | 0.3 | 0.5 | 0.6 | 0.6 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | |
| 23 | 0.0 | S | 2.4 | 3.5 | 5.7 | 5.6 | 3.5 | 4.9 | 3.7 | 3.9 | 0.5 | 1.7 | 0.9 | 0.6 | 0.8 | 0.6 | 0.5 | 0.7 | 0.8 | 0.5 | 0.6 | 0.7 | 0.2 | 0.2 | 1.8 | 5.7 | |
| 24 | 0.3 | S | 0.6 | 0.4 | 0.3 | 0.1 | 0.2 | 0.3 | 0.2 | 0.1 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | |
| 25 | 0.0 | S | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 2.0 | 2.0 | 0.0 | 0.0 | 0.3 | 2.1 | 2.3 | 0.0 | 0.0 | 0.3 | 0.9 | 0.1 | 0.0 | 0.1 | 0.2 | 0.3 | 0.6 | 0.5 | 2.3 | |
| 26 | 1.7 | S | 2.0 | 1.5 | 1.5 | 1.0 | 0.4 | 1.1 | 2.0 | 1.6 | 4.2 | 6.7 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 1.1 | 6.7 | |
| 27 | 0.1 | S | 2.6 | 4.0 | 2.8 | 2.9 | 3.0 | 3.4 | 0.9 | 1.6 | 7.1 | 8.7 | 7.0 | 9.7 | 2.5 | 2.3 | 4.2 | 1.9 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 9.7 | |
| 28 | 0.0 | S | 0.0 | 1.3 | 2.4 | 2.7 | 2.5 | 1.9 | 3.3 | 3.5 | 1.0 | 2.8 | 2.8 | 1.6 | 2.1 | 1.6 | 2.2 | 0.4 | 0.9 | 0.8 | 1.6 | 1.5 | 1.7 | 1.4 | 1.8 | 3.5 | |
| 29 | 0.5 | S | 0.7 | 0.4 | 0.2 | 0.0 | 0.8 | 0.5 | 1.7 | 4.2 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.3 | 0.7 | 0.0 | 0.0 | 0.4 | 1.3 | 0.5 | 4.2 | |
| 30 | 3.5 | S | 6.1 | 2.0 | 2.6 | 0.5 | 0.5 | 2.9 | 2.8 | 1.1 | 2.6 | 1.8 | 1.1 | 2.6 | 3.4 | 2.4 | 0.9 | 2.2 | 0.1 | 0.1 | 0.1 | 0.3 | 0.7 | 0.2 | 1.8 | 6.1 | |
| 31 | 0.1 | S | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.3 | 1.6 | 6.8 | 4.6 | 4.6 | 3.8 | 1.4 | 0.7 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 1.2 | 6.8 | |
| NO. | 31 | - | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 706 | 100.0% | |
| MEAN | 0.4 | - | 0.8 | 0.8 | 0.9 | 0.8 | 0.9 | 1.3 | 1.5 | 1.8 | 1.7 | 1.6 | 1.2 | 1.0 | 0.8 | 0.7 | 0.8 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.2 | 0.3 | | | |
| MAX | 3.5 | - | 6.1 | 4.3 | 5.7 | 5.6 | 4.7 | 5.4 | 4.7 | 6.8 | 7.1 | 8.7 | 7.0 | 9.7 | 3.6 | 3.3 | 7.4 | 4.6 | 4.3 | 2.7 | 1.6 | 1.5 | 1.7 | 1.4 | | | |



| | |
|-----------------------------|---------|
| Number of 1HR Exceedences | 0 |
| Number of Non-Zero Readings | 615 |
| Maximum 1-HR Average | 9.7 PPB |
| Maximum 24-HR Average | 2.8 PPB |
| Monthly Calibration | 7 |
| Standard Deviation | 1.323 |
| Operational Time | 744 HRS |
| Operational Uptime | 100.0 % |
| Monthly Average | 0.9 PPB |

Lagoon PM_{2.5} (µg/m³) – August 2024

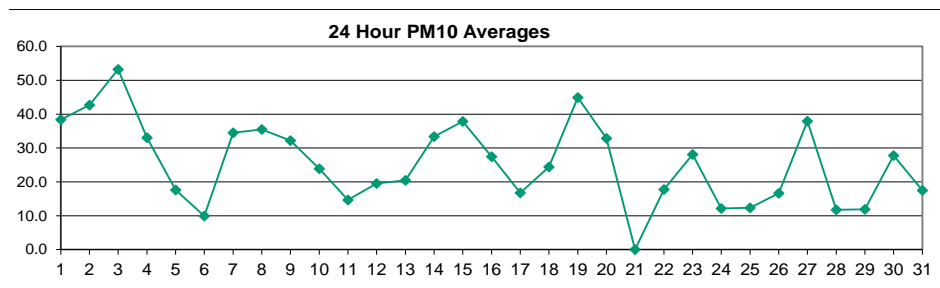
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|-------------|------|------|------|------|------|------|------|----------|----------|----------|----------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| | 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 | 6.1 | 8.8 | 8.4 | 6.2 | 3.2 | 2.8 | 7.4 | 13.4 | 8.9 | 10.1 | 9.6 | 9.5 | 8.0 | 6.2 | 5.9 | 6.3 | 5.9 | 8.3 | 6.7 | 8.0 | 12.1 | 7.6 | 8.4 | 12.9 | 7.9 | 13.4 | |
| 2 | 14.7 | 12.4 | 11.4 | 10.8 | 16.7 | 6.5 | 11.7 | 12.1 | 16.2 | 14.9 | 11.3 | 8.2 | 8.2 | 9.1 | 10.6 | 7.7 | 4.9 | 10.6 | 9.0 | 17.9 | 9.1 | 11.7 | 18.4 | 11.4 | 11.5 | 18.4 | |
| 3 | 12.8 | 10.6 | 16.4 | 21.2 | 20.7 | 23.0 | 20.7 | 21.4 | 41.0 | 34.0 | 41.9 | 56.3 | 40.9 | 49.0 | 33.1 | 32.6 | 54.0 | 26.7 | 28.3 | 30.1 | 25.7 | 20.9 | 18.0 | 14.9 | 28.9 | 56.3 | |
| 4 | 19.3 | 18.8 | 20.1 | 17.4 | 20.1 | 20.5 | 24.0 | 24.6 | 21.8 | 21.0 | 19.6 | 22.5 | 13.1 | 14.8 | 11.5 | 8.5 | 13.5 | 32.7 | 29.2 | 27.9 | 28.3 | 24.7 | 26.8 | 24.8 | 21.1 | 32.7 | |
| 5 | 25.3 | 10.9 | 7.9 | 6.0 | 10.9 | 14.1 | 15.8 | 14.6 | 9.4 | 7.1 | 12.4 | 9.3 | 6.7 | 14.2 | 15.6 | 11.8 | 15.4 | 16.7 | 9.1 | 14.0 | 14.7 | 9.1 | 6.0 | 8.3 | 11.9 | 25.3 | |
| 6 | 7.0 | 6.2 | 3.9 | 4.4 | 6.5 | 5.5 | 2.8 | 4.6 | 5.8 | 7.9 | 10.5 | 7.4 | 4.8 | 7.2 | 2.3 | 1.5 | 2.3 | 0.0 | 0.0 | 0.3 | 2.9 | 3.3 | 4.0 | 1.8 | 4.3 | 10.5 | |
| 7 | 0.0 | 1.3 | 3.7 | 3.9 | 3.6 | 3.2 | 7.7 | 9.1 | 35.3 | 51.6 | 51.9 | 54.8 | 48.3 | 30.7 | 38.4 | 35.5 | 49.4 | 45.6 | 36.2 | 35.3 | 35.4 | 34.3 | 29.1 | 22.6 | 27.8 | 54.8 | |
| 8 | 22.8 | 21.6 | 21.3 | 22.0 | 21.7 | 19.7 | 19.7 | 26.3 | 19.8 | 26.9 | 25.9 | 26.5 | 25.0 | 23.9 | 25.8 | 20.2 | 22.9 | 19.0 | 21.1 | 14.4 | 21.2 | 23.4 | 21.4 | 20.0 | 22.2 | 26.9 | |
| 9 | 22.3 | 16.4 | 25.1 | 22.2 | 19.6 | 19.6 | 19.8 | 22.7 | 22.2 | 21.0 | 21.3 | 20.9 | 15.7 | 11.3 | 8.1 | 8.3 | 9.5 | 10.6 | 7.2 | 9.2 | 8.6 | 11.9 | 13.8 | 11.6 | 15.8 | 25.1 | |
| 10 | 11.1 | 19.1 | 18.4 | 9.8 | 15.0 | 13.1 | 13.7 | 13.0 | 14.5 | 11.6 | 11.6 | 12.2 | 13.8 | 12.8 | 10.8 | 9.9 | 12.1 | 9.9 | 8.8 | 5.6 | 5.9 | 4.9 | 3.6 | 5.9 | 11.1 | 19.1 | |
| 11 | 8.4 | 6.8 | 5.2 | 6.2 | 6.8 | 4.2 | 6.2 | 5.8 | 14.6 | 8.5 | 6.5 | 8.2 | 6.3 | 3.7 | 5.1 | 3.6 | 2.0 | 3.3 | 9.9 | 8.8 | 6.0 | 7.9 | 8.5 | 8.3 | 6.7 | 14.6 | |
| 12 | 9.5 | 8.7 | 5.3 | 6.4 | 6.3 | 4.2 | 6.8 | 5.5 | 3.2 | 11.0 | 8.0 | 11.3 | 10.0 | 6.9 | 4.6 | 4.8 | 8.6 | 6.9 | 5.9 | 4.1 | 5.3 | 4.2 | 2.2 | 4.6 | 6.4 | 11.3 | |
| 13 | 5.6 | 8.4 | 6.7 | 5.1 | 6.9 | 6.0 | 3.7 | 2.5 | 5.2 | 7.3 | 8.1 | 5.5 | 6.3 | 9.4 | 10.6 | 11.4 | 23.2 | 12.6 | 7.5 | 5.4 | 12.7 | 11.5 | 12.0 | 10.6 | 8.5 | 23.2 | |
| 14 | 13.6 | 15.7 | 13.6 | 11.6 | 12.7 | 16.4 | 19.0 | 21.1 | 18.9 | 18.0 | 20.7 | 17.7 | 16.7 | 19.2 | 18.4 | 14.6 | 16.0 | 13.7 | 13.4 | 18.2 | 15.0 | 13.5 | 18.7 | 16.8 | 16.4 | 21.1 | |
| 15 | 18.8 | 19.1 | 22.7 | 22.2 | 20.6 | 18.3 | 14.2 | 21.4 | 18.3 | 19.5 | 21.6 | 15.0 | 25.6 | 32.1 | 24.3 | 26.6 | 23.5 | 14.4 | 11.4 | 12.5 | 12.3 | 11.4 | 14.7 | 15.6 | 19.0 | 32.1 | |
| 16 | 20.5 | 20.4 | 17.2 | 17.7 | 22.2 | 15.2 | 20.2 | 20.8 | 22.6 | 18.5 | 16.6 | 19.0 | 22.3 | 18.5 | 25.0 | 29.6 | 27.1 | 25.9 | 25.1 | 24.1 | 22.6 | 23.7 | 21.2 | 17.3 | 21.4 | 29.6 | |
| 17 | 14.5 | 13.6 | 16.6 | 14.8 | 10.4 | 10.7 | 9.8 | 6.6 | 4.0 | 5.1 | 3.3 | 0.7 | 0.3 | 0.0 | 0.3 | 0.0 | 0.0 | 1.9 | 1.8 | 0.4 | 3.3 | 4.9 | 12.3 | 9.7 | 6.0 | 16.6 | |
| 18 | 5.3 | 9.4 | 10.3 | 7.8 | 4.8 | 6.3 | 4.9 | 4.0 | 4.6 | 3.5 | 5.1 | 11.1 | 9.8 | 10.7 | 10.1 | 10.0 | 10.4 | 7.4 | 5.6 | 10.4 | 9.7 | 9.9 | 9.4 | 11.8 | 8.0 | 11.8 | |
| 19 | 9.9 | 9.5 | 11.2 | 11.9 | 10.1 | 17.9 | 12.3 | 9.5 | 11.6 | 12.9 | 11.7 | 8.1 | 5.6 | 8.6 | 7.3 | 10.7 | 13.0 | 10.4 | 7.5 | 5.8 | 6.2 | 6.6 | 5.0 | 5.9 | 9.5 | 17.9 | |
| 20 | 5.7 | 8.9 | 6.0 | 8.9 | 6.7 | 2.6 | 1.5 | 2.1 | 6.1 | 5.0 | 3.3 | 1.6 | 2.8 | 0.9 | 0.8 | 6.8 | 6.7 | 6.6 | 6.0 | 1.1 | 0.3 | 3.6 | 2.7 | 3.7 | 4.2 | 8.9 | |
| 21 | 7.6 | 5.9 | 2.2 | 4.0 | 3.8 | 1.7 | 4.2 | 5.5 | 4.4 | 4.7 | 4.5 | 3.9 | 2.8 | 2.8 | 2.2 | 4.8 | 5.9 | 3.1 | 1.6 | 0.1 | 0.0 | 1.0 | 0.7 | 0.8 | 3.3 | 7.6 | |
| 22 | 2.7 | 2.2 | 0.0 | 0.0 | 0.0 | 3.5 | 8.9 | 4.7 | 5.4 | 3.9 | 1.9 | 2.0 | 0.0 | 0.9 | 4.2 | 3.2 | 0.4 | 1.6 | 2.3 | 3.9 | 3.9 | 7.4 | 5.6 | 2.1 | 2.9 | 8.9 | |
| 23 | 5.8 | 5.6 | 5.1 | 3.1 | 3.3 | 6.1 | 5.7 | 4.9 | 6.8 | 5.6 | 5.1 | 4.4 | 2.3 | 2.9 | 4.5 | 4.4 | 2.8 | 2.7 | 3.7 | 7.1 | 5.3 | 7.2 | 9.0 | 7.0 | 5.0 | 9.0 | |
| 24 | 3.5 | 5.4 | 5.9 | 4.3 | 3.1 | 5.5 | 6.5 | 4.0 | 3.1 | 3.6 | 3.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.5 | 1.5 | 0.8 | 0.8 | 0.0 | 0.0 | 2.2 | 6.5 | |
| 25 | 1.1 | 1.0 | 0.0 | 0.0 | 0.0 | 2.4 | 2.1 | 2.1 | 2.4 | 2.8 | 1.1 | 0.5 | 2.1 | 1.0 | 0.4 | 0.0 | 0.0 | 2.8 | 5.3 | 3.6 | 3.6 | 3.9 | 3.8 | 2.4 | 1.9 | 5.3 | |
| 26 | 0.0 | 0.7 | 2.5 | 4.0 | 4.4 | 2.5 | 1.6 | 2.9 | 4.7 | 5.8 | 6.1 | 7.3 | 5.6 | 2.5 | 1.5 | 1.8 | 1.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.9 | 0.0 | 2.4 | 7.3 | |
| 27 | 0.0 | 0.5 | 3.3 | 2.9 | 5.0 | 5.0 | 5.2 | C | C | C | C | C | 9.1 | 6.8 | 3.4 | 1.8 | 5.1 | 6.9 | 5.2 | 1.3 | 0.0 | 0.0 | 0.0 | 0.7 | 3.3 | 9.1 | |
| 28 | 0.3 | 2.9 | 1.9 | 2.1 | 1.3 | 2.7 | 2.5 | 0.0 | 0.1 | 4.0 | 4.4 | 1.1 | 0.3 | 1.4 | 3.2 | 7.5 | 3.4 | 1.4 | 2.1 | 2.8 | 2.9 | 1.0 | 1.0 | 2.5 | 2.2 | 7.5 | |
| 29 | 3.3 | 4.6 | 2.2 | 0.0 | 3.3 | 2.0 | 0.1 | 1.5 | 0.7 | 0.9 | 2.5 | 2.1 | 1.4 | 0.2 | 0.0 | 0.0 | 4.3 | 3.0 | 0.0 | 0.0 | 1.5 | 0.7 | 0.0 | 0.7 | 1.5 | 4.6 | |
| 30 | 5.9 | 3.4 | 0.3 | 2.5 | 1.4 | 0.0 | 0.0 | 0.0 | 1.6 | 2.2 | 3.4 | 4.3 | 4.8 | 5.5 | 4.7 | 6.4 | 9.4 | 9.2 | 2.6 | 2.0 | 3.5 | 3.1 | 3.9 | 3.8 | 3.5 | 9.4 | |
| 31 | 5.1 | 5.3 | 2.8 | 5.2 | 4.7 | 4.2 | 4.9 | 1.8 | 3.2 | 6.1 | 4.4 | 1.8 | 1.8 | 2.2 | 1.7 | 2.1 | 2.3 | 2.8 | 2.5 | 0.9 | 1.9 | 4.5 | 6.3 | 4.2 | 3.4 | 6.3 | |
| NO. | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 739 | 100.0% |
| MEAN | 9.3 | 9.2 | 9.0 | 8.5 | 8.9 | 8.6 | 9.2 | 9.6 | 11.2 | 11.8 | 11.9 | 11.8 | 10.3 | 10.2 | 9.5 | 9.4 | 11.5 | 10.3 | 8.9 | 8.9 | 9.1 | 9.0 | 9.3 | 8.5 | | | |
| MAX | 25.3 | 21.6 | 25.1 | 22.2 | 22.2 | 23.0 | 24.0 | 26.3 | 41.0 | 51.6 | 51.9 | 56.3 | 48.3 | 49.0 | 38.4 | 35.5 | 54.0 | 45.6 | 36.2 | 35.3 | 35.4 | 34.3 | 29.1 | 24.8 | | | |



| | |
|-----------------------------|------------|
| Number of 24HR Exceedences | 0 |
| Number of Non-Zero Readings | 699 |
| Maximum 1-HR Average | 56.3 UG/M3 |
| Maximum 24-HR Average | 28.9 UG/M3 |
| Monthly Calibration | 5 |
| Standard Deviation | 9.389 |
| Operational Time | 744 HRS |
| Operational Uptime | 100.0 % |
| Monthly Average | 9.7 UG/M3 |

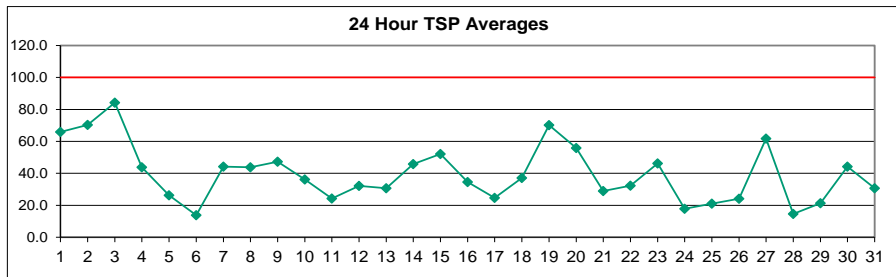
Lagoon PM₁₀ (µg/m³) – August 2024

| 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 | 35.2 | 29.4 | 21.4 | 15.4 | 16.3 | 34.1 | 30.8 | 55.1 | 38.9 | 61.3 | 52.5 | 83.7 | 43.5 | 22.2 | 40.9 | 27.5 | 32.1 | 28.7 | 30.1 | 46.9 | 84.8 | 17.5 | 22.4 | 50.3 | 38.4 | 84.8 | |
| 2 | 48.3 | 32.4 | 22.2 | 22.8 | 19.7 | 27.8 | 39.6 | 47.4 | 62.4 | 64.7 | 42.7 | 23.6 | 54.7 | 63.6 | 77.3 | 71.2 | 35.2 | 48.0 | 32.6 | 51.3 | 24.5 | 31.2 | 52.5 | 29.2 | 42.7 | 77.3 | |
| 3 | 26.4 | 22.4 | 36.8 | 33.9 | 50.6 | 40.5 | 42.1 | 42.1 | 72.3 | 46.5 | 71.1 | 44.3 | 52.6 | 52.3 | 40.5 | 38.1 | 342.9 | 51.1 | 32.0 | 32.0 | 27.7 | 25.1 | 23.4 | 30.2 | 53.2 | 342.9 | |
| 4 | 19.3 | 30.2 | 21.2 | 19.6 | 42.5 | 39.1 | 60.4 | 46.1 | 31.9 | 28.3 | 33.7 | 44.1 | 21.2 | 21.6 | 16.9 | 21.9 | 24.7 | 56.9 | 41.0 | 40.0 | 41.3 | 26.0 | 35.9 | 30.1 | 33.1 | 60.4 | |
| 5 | 27.7 | 17.0 | 11.1 | 10.7 | 19.7 | 27.9 | 19.0 | 30.4 | 18.4 | 10.5 | 16.4 | 16.2 | 15.1 | 18.5 | 18.8 | 16.2 | 19.6 | 16.9 | 18.4 | 22.0 | 21.8 | 9.3 | 11.1 | 11.3 | 17.7 | 30.4 | |
| 6 | 11.6 | 6.8 | 7.8 | 6.7 | 6.8 | 8.1 | 13.6 | 12.3 | 19.3 | 22.7 | 13.7 | 11.1 | 13.9 | 12.3 | 8.4 | 4.6 | 3.2 | 5.0 | 7.1 | 8.7 | 8.5 | 8.4 | 10.6 | 7.2 | 9.9 | 22.7 | |
| 7 | 5.3 | 5.7 | 3.7 | 4.0 | 12.7 | 7.8 | 9.4 | 11.2 | 40.3 | 51.9 | 57.5 | 69.4 | 51.4 | 58.7 | 39.1 | 44.0 | 65.2 | 55.1 | 44.1 | 36.9 | 39.9 | 46.6 | 35.1 | 33.9 | 34.5 | 69.4 | |
| 8 | 28.1 | 26.7 | 29.6 | 33.1 | 30.1 | 29.9 | 43.3 | 54.5 | 41.6 | 55.0 | 46.7 | 41.1 | 28.2 | 35.1 | 46.5 | 30.6 | 35.6 | 28.9 | 30.4 | 27.7 | 27.8 | 31.9 | 36.4 | 32.7 | 35.5 | 55.0 | |
| 9 | 32.6 | 36.4 | 28.8 | 30.3 | 34.9 | 43.6 | 37.0 | 65.4 | 59.8 | 49.9 | 47.0 | 40.7 | 20.2 | 21.2 | 22.4 | 24.9 | 25.3 | 27.1 | 17.0 | 19.1 | 19.4 | 24.0 | 26.1 | 19.1 | 32.2 | 65.4 | |
| 10 | 21.3 | 25.2 | 26.4 | 22.8 | 22.8 | 36.6 | 29.6 | 32.0 | 30.0 | 29.3 | 32.5 | 32.3 | 28.7 | 29.9 | 23.8 | 28.7 | 22.0 | 32.5 | 16.8 | 12.6 | 7.9 | 7.7 | 10.3 | 11.3 | 23.9 | 36.6 | |
| 11 | 11.6 | 20.1 | 9.3 | 9.3 | 18.1 | 13.4 | 12.3 | 7.6 | 19.7 | 10.8 | 26.7 | 19.3 | 14.2 | 10.8 | 6.9 | 7.5 | 7.9 | 16.4 | 22.8 | 11.6 | 19.8 | 20.8 | 12.0 | 22.9 | 14.7 | 26.7 | |
| 12 | 27.2 | 25.6 | 16.6 | 13.8 | 10.2 | 8.5 | 14.8 | 25.6 | 33.7 | 35.4 | 35.8 | 34.8 | 30.1 | 16.2 | 16.9 | 10.3 | 18.9 | 17.0 | 19.2 | 12.1 | 14.1 | 10.9 | 9.5 | 11.3 | 19.5 | 35.8 | |
| 13 | 11.0 | 11.1 | 12.3 | 6.4 | 6.8 | 22.3 | 12.8 | 15.1 | 18.1 | 21.3 | 16.9 | 21.3 | 20.7 | 18.5 | 18.3 | 34.0 | 74.3 | 24.6 | 16.6 | 28.6 | 17.2 | 20.2 | 18.5 | 23.9 | 20.4 | 74.3 | |
| 14 | 15.3 | 19.3 | 17.7 | 22.4 | 20.7 | 24.7 | 29.4 | 42.7 | 45.0 | 41.2 | 43.6 | 45.7 | 50.8 | 51.7 | 45.7 | 45.9 | 21.7 | 22.4 | 41.8 | 37.4 | 28.8 | 21.1 | 37.5 | 28.2 | 33.4 | 51.7 | |
| 15 | 30.2 | 29.0 | 34.9 | 34.2 | 28.7 | 36.3 | 26.6 | 39.5 | 59.0 | 52.7 | 35.0 | 46.4 | 51.0 | 60.7 | 44.8 | 60.4 | 48.2 | 21.4 | 25.5 | 25.7 | 27.4 | 25.9 | 34.6 | 30.8 | 37.9 | 60.7 | |
| 16 | 33.2 | 27.1 | 23.2 | 26.5 | 33.3 | 22.0 | 24.2 | 27.3 | 30.5 | 22.5 | 31.0 | 19.3 | 28.1 | 28.3 | 27.5 | 33.6 | 30.3 | 28.2 | 32.3 | 31.7 | 24.2 | 25.7 | 26.8 | 21.9 | 27.4 | 33.6 | |
| 17 | 23.2 | 29.5 | 29.0 | 23.6 | 20.8 | 16.0 | 14.6 | 11.5 | 24.5 | 17.1 | 15.6 | 30.1 | 13.0 | 17.3 | 11.3 | 12.4 | 8.9 | 6.9 | 4.5 | 8.0 | 15.8 | 10.4 | 20.1 | 18.0 | 16.8 | 30.1 | |
| 18 | 13.3 | 30.1 | 27.3 | 19.0 | 27.5 | 37.0 | 12.1 | 19.5 | 26.3 | 24.0 | 29.7 | 33.2 | 26.9 | 28.4 | 23.1 | 30.9 | 29.1 | 20.1 | 15.6 | 21.2 | 18.0 | 25.6 | 23.1 | 25.8 | 24.5 | 37.0 | |
| 19 | 21.5 | 23.6 | 55.1 | 30.4 | 54.4 | 74.4 | 47.6 | 66.1 | 74.7 | 64.4 | 54.1 | 33.3 | 63.5 | 48.3 | 37.7 | 66.8 | 65.9 | 45.2 | 28.9 | 29.4 | 24.0 | 27.7 | 17.7 | 44.9 | 74.7 | 44.9 | |
| 20 | 21.9 | 24.1 | 40.5 | 114.6 | 33.0 | 15.5 | 9.8 | 9.1 | 22.8 | 19.2 | 15.4 | 21.5 | 37.8 | 20.0 | 32.4 | 60.2 | 72.2 | 74.3 | 27.6 | 36.3 | 35.4 | 15.7 | 17.3 | 12.5 | 32.9 | 114.6 | |
| 21 | 16.4 | X | X | X | X | X | X | X | X | NRM | NRM | NRM | 24.2 | 20.0 | 25.0 | 51.9 | 40.6 | 11.2 | 8.5 | 9.9 | 7.5 | 4.4 | 6.2 | 6.0 | - | - | |
| 22 | 5.0 | 9.3 | 12.6 | 11.9 | 18.0 | 27.2 | 32.5 | 36.5 | 46.7 | 15.3 | 23.8 | 18.2 | 13.7 | 11.9 | 10.3 | 10.6 | 18.8 | 19.2 | 14.7 | 12.5 | 13.4 | 11.0 | 19.2 | 13.1 | 17.7 | 46.7 | |
| 23 | 15.3 | 30.3 | 23.0 | 22.8 | 33.7 | 30.8 | 22.1 | 30.4 | 40.8 | 31.5 | 40.4 | 19.0 | 21.5 | 17.5 | 24.3 | 34.3 | 25.0 | 26.2 | 38.5 | 45.1 | 35.5 | 28.4 | 30.0 | 7.8 | 18.1 | 45.1 | |
| 24 | 8.5 | 35.1 | 27.6 | 22.7 | 29.5 | 41.9 | 20.6 | 8.5 | 20.9 | 12.7 | 9.5 | 6.0 | 6.4 | 5.4 | 6.1 | 4.8 | 3.6 | 5.0 | 2.0 | 9.1 | 2.7 | 0.6 | 2.3 | 0.0 | 12.1 | 41.9 | |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 3.0 | 27.8 | 28.2 | 20.3 | 32.5 | 3.4 | 8.4 | 12.1 | 12.3 | 14.9 | 8.5 | 10.3 | 20.0 | 12.1 | 14.5 | 23.5 | 22.5 | 9.4 | 12.8 | 12.4 | 32.5 | |
| 26 | 10.8 | 7.7 | 12.2 | 11.4 | 8.1 | 7.1 | 10.9 | 8.6 | 18.7 | 23.5 | 78.4 | 32.7 | 37.1 | 34.3 | 13.2 | 12.4 | 6.5 | 4.9 | 13.4 | 21.2 | 6.6 | 5.9 | 7.2 | 6.3 | 16.6 | 78.4 | |
| 27 | 5.7 | 24.8 | 29.2 | 27.2 | 31.7 | 22.9 | 63.2 | C | C | C | C | C | 71.5 | 39.3 | 47.1 | 41.4 | 58.5 | 109.8 | 106.3 | 24.2 | 5.7 | 6.4 | 3.0 | 3.0 | 37.9 | 109.8 | |
| 28 | 25.2 | 28.5 | 6.9 | 32.1 | 19.2 | 14.6 | 14.0 | 14.9 | 6.8 | 15.1 | 4.8 | 4.5 | 6.9 | 14.0 | 8.1 | 8.9 | 4.6 | 8.6 | 6.4 | 4.0 | 12.0 | 8.4 | 6.1 | 8.4 | 11.8 | 32.1 | |
| 29 | 9.3 | 13.0 | 11.5 | 8.2 | 5.1 | 6.4 | 4.3 | 8.9 | 12.4 | 7.0 | 47.1 | 32.3 | 12.9 | 7.1 | 1.6 | 5.3 | 5.2 | 6.7 | 4.2 | 16.7 | 27.4 | 3.0 | 9.4 | 20.9 | 11.9 | 47.1 | |
| 30 | 12.2 | 15.7 | 10.0 | 7.5 | 4.7 | 6.4 | 6.5 | 4.8 | 26.4 | 13.1 | 15.4 | 18.2 | 26.4 | 43.3 | 77.1 | 132.8 | 85.1 | 36.4 | 12.9 | 14.4 | 16.9 | 27.1 | 31.5 | 21.4 | 27.8 | 132.8 | |
| 31 | 13.5 | 28.8 | 12.9 | 11.0 | 15.3 | 13.8 | 16.6 | 17.9 | 15.9 | 18.4 | 17.7 | 22.4 | 22.5 | 19.8 | 23.2 | 17.3 | 20.5 | 17.2 | 6.4 | 10.2 | 23.6 | 17.5 | 17.3 | 20.0 | 17.5 | 28.8 | |
| NO. | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 728 | 98.5% |
| MEAN | 18.9 | 22.2 | 20.7 | 21.8 | 22.5 | 24.7 | 24.9 | 26.8 | 33.4 | 31.3 | 33.4 | 30.8 | 28.7 | 28.2 | 27.8 | 31.2 | 40.7 | 29.4 | 24.1 | 23.2 | 22.8 | 18.2 | 20.4 | 19.0 | | | |
| MAX | 48.3 | 36.4 | 55.1 | 114.6 | 54.4 | 74.4 | 63.2 | 65.4 | 72.3 | 74.7 | 78.4 | 83.7 | 71.5 | 63.6 | 77.3 | 132.8 | 342.9 | 109.8 | 106.3 | 51.3 | 84.8 | 46.6 | 52.5 | 50.3 | | | |



Lagoon TSP ($\mu\text{g}/\text{m}^3$) – August 2024

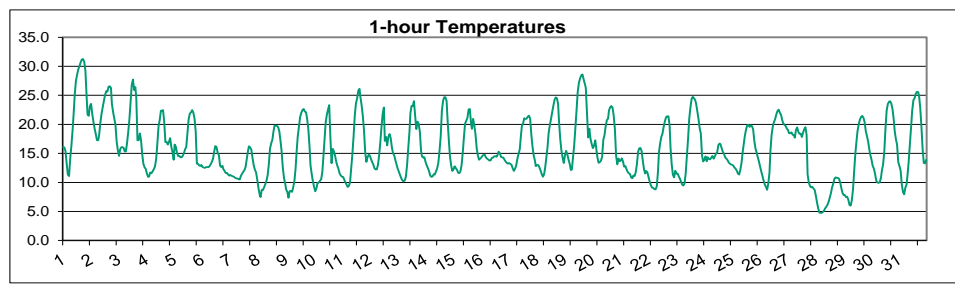
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|------|------|-------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 44.7 | 41.2 | 33.8 | 37.4 | 27.4 | 63.3 | 47.1 | 87.0 | 46.3 | 91.0 | 119.5 | 158.4 | 82.0 | 37.2 | 56.0 | 47.4 | 60.4 | 43.8 | 46.4 | 83.5 | 161.9 | 40.1 | 46.9 | 79.5 | 65.9 | 161.9 |
| 2 | 82.6 | 46.5 | 37.6 | 38.5 | 41.4 | 44.7 | 60.2 | 86.4 | 101.6 | 114.1 | 94.3 | 36.7 | 66.9 | 96.2 | 116.4 | 104.7 | 69.5 | 83.8 | 68.6 | 86.0 | 40.8 | 54.3 | 77.0 | 38.7 | 70.3 | 116.4 |
| 3 | 39.3 | 31.3 | 54.7 | 52.4 | 65.8 | 59.4 | 66.0 | 61.5 | 98.8 | 60.5 | 110.4 | 70.9 | 96.3 | 98.8 | 65.3 | 89.5 | 578.6 | 72.7 | 37.5 | 40.7 | 50.4 | 34.2 | 40.6 | 44.3 | 84.2 | 578.6 |
| 4 | 34.4 | 23.8 | 37.4 | 39.0 | 46.4 | 53.9 | 73.5 | 56.6 | 41.3 | 35.2 | 29.1 | 60.6 | 34.4 | 30.8 | 32.7 | 30.5 | 36.8 | 70.3 | 49.8 | 57.3 | 45.3 | 44.4 | 48.4 | 38.8 | 43.8 | 73.5 |
| 5 | 41.9 | 24.4 | 18.1 | 17.7 | 24.3 | 41.9 | 29.7 | 29.4 | 28.4 | 14.1 | 19.8 | 14.8 | 15.7 | 26.6 | 28.8 | 39.0 | 33.6 | 43.3 | 38.0 | 34.7 | 22.3 | 14.3 | 15.6 | 14.6 | 26.3 | 43.3 |
| 6 | 15.3 | 19.0 | 8.5 | 11.4 | 13.4 | 9.8 | 10.5 | 20.1 | 23.4 | 20.3 | 15.1 | 12.5 | 16.8 | 18.4 | 6.8 | 15.7 | 7.7 | 7.1 | 13.0 | 7.7 | 12.2 | 19.3 | 13.3 | 13.8 | 13.8 | 23.4 |
| 7 | 9.5 | 30.0 | 22.3 | 17.4 | 12.8 | 13.2 | 12.9 | 20.1 | 35.2 | 63.4 | 59.3 | 77.6 | 66.2 | 75.8 | 55.2 | 53.5 | 79.7 | 64.4 | 57.7 | 47.9 | 48.2 | 50.1 | 48.8 | 40.5 | 44.2 | 79.7 |
| 8 | 39.0 | 32.6 | 37.2 | 38.7 | 33.1 | 41.9 | 48.7 | 63.4 | 49.6 | 61.6 | 51.1 | 62.3 | 36.7 | 35.3 | 56.6 | 46.9 | 44.9 | 40.8 | 36.3 | 55.2 | 38.3 | 36.9 | 42.1 | 42.5 | 43.8 | 63.4 |
| 9 | 41.2 | 43.5 | 45.8 | 42.0 | 40.9 | 46.8 | 44.3 | 79.7 | 87.1 | 79.3 | 66.7 | 61.6 | 33.1 | 38.8 | 37.5 | 44.3 | 35.8 | 43.9 | 33.8 | 52.0 | 30.7 | 32.5 | 47.7 | 26.2 | 47.3 | 87.1 |
| 10 | 31.3 | 38.6 | 33.0 | 31.0 | 34.4 | 52.2 | 28.2 | 46.0 | 38.8 | 43.5 | 42.3 | 50.8 | 53.3 | 47.1 | 52.5 | 70.4 | 32.6 | 36.3 | 29.5 | 15.8 | 15.5 | 14.4 | 16.6 | 15.6 | 36.2 | 70.4 |
| 11 | 16.7 | 26.4 | 21.4 | 10.0 | 14.9 | 17.0 | 19.3 | 15.8 | 24.6 | 18.2 | 29.4 | 37.5 | 25.9 | 11.7 | 15.4 | 7.8 | 20.7 | 27.2 | 32.5 | 38.0 | 61.2 | 30.4 | 26.4 | 34.2 | 24.3 | 61.2 |
| 12 | 92.7 | X | 20.6 | 20.9 | 29.8 | 19.4 | 17.6 | 40.3 | 61.1 | 51.1 | 55.9 | 55.2 | 42.8 | 23.5 | 19.0 | 18.1 | 26.3 | 20.2 | 25.9 | 24.9 | 24.0 | 19.8 | 15.3 | 14.9 | 32.1 | 92.7 |
| 13 | 16.9 | 20.0 | 9.1 | 16.5 | 19.5 | 18.8 | 14.0 | 19.2 | 28.8 | 21.9 | 29.1 | 33.3 | 27.8 | 25.4 | 25.3 | 49.3 | 124.4 | 41.2 | 35.1 | 43.8 | 28.3 | 30.3 | 25.2 | 32.5 | 30.7 | 124.4 |
| 14 | 27.2 | 27.6 | 26.4 | 26.2 | 30.0 | 31.9 | 42.4 | 48.3 | 60.7 | 43.7 | 63.8 | 54.6 | 72.3 | 81.4 | 57.1 | 58.7 | 35.4 | 31.3 | 32.2 | 66.6 | 47.6 | 39.7 | 53.4 | 40.2 | 45.8 | 81.4 |
| 15 | 42.3 | 50.0 | 38.5 | 45.5 | 42.7 | 23.5 | 33.9 | 55.5 | 83.4 | 75.5 | 44.5 | 66.8 | 77.6 | 78.9 | 51.9 | 93.9 | 91.7 | 27.2 | 28.0 | 34.2 | 41.2 | 34.2 | 49.9 | 40.0 | 52.1 | 93.9 |
| 16 | 46.4 | 33.2 | 31.5 | 34.0 | 40.2 | 33.3 | 33.6 | 29.3 | 36.0 | 29.9 | 34.1 | 25.3 | 32.3 | 39.8 | 39.1 | 33.9 | 36.3 | 36.2 | 37.7 | 33.9 | 38.2 | 30.5 | 34.6 | 29.9 | 34.6 | 46.4 |
| 17 | 34.2 | 36.4 | 37.4 | 28.0 | 28.5 | 27.9 | 17.8 | 20.1 | 24.2 | 20.0 | 19.6 | 36.4 | 23.6 | 20.9 | 22.5 | 22.0 | 20.5 | 18.3 | 8.5 | 10.2 | 32.8 | 27.7 | 30.4 | 24.3 | 24.7 | 37.4 |
| 18 | 22.4 | 48.5 | 44.1 | 25.9 | 47.7 | 53.0 | 20.0 | 29.5 | 35.7 | 34.1 | 40.9 | 49.7 | 37.4 | 38.6 | 34.7 | 46.2 | 38.5 | 31.5 | 38.1 | 32.4 | 37.6 | 42.1 | 32.5 | 30.8 | 37.2 | 53.0 |
| 19 | 33.4 | 39.6 | 66.2 | 33.9 | 64.9 | 91.4 | 68.5 | 30.7 | 97.6 | 104.3 | 103.5 | 91.8 | 86.0 | 122.3 | 86.0 | 68.0 | 94.2 | 111.2 | 75.2 | 52.6 | 50.8 | 44.7 | 40.4 | 26.7 | 70.2 | 122.3 |
| 20 | 31.3 | 44.5 | 68.6 | 193.9 | 60.1 | 20.1 | 24.1 | 20.7 | 21.7 | 28.2 | 19.4 | 36.5 | 76.4 | 31.8 | 48.9 | 97.9 | 116.5 | 131.8 | 53.8 | 71.3 | 62.9 | 37.4 | 18.6 | 23.3 | 55.8 | 193.9 |
| 21 | 33.6 | 23.6 | 19.8 | 24.1 | 25.4 | 12.0 | 31.1 | 41.6 | 60.0 | 41.5 | 28.4 | 18.6 | 32.5 | 22.1 | 42.7 | 72.1 | 52.1 | 12.6 | 10.5 | 28.0 | 15.3 | 16.5 | 14.0 | 17.9 | 29.0 | 72.1 |
| 22 | 14.0 | X | 5.1 | 24.1 | 30.5 | 42.5 | 56.4 | 53.7 | 71.4 | 32.6 | 41.7 | 30.4 | 26.1 | 24.5 | 28.1 | 26.9 | 34.9 | 32.5 | 31.1 | 30.8 | 24.8 | 22.4 | 25.4 | 32.6 | 32.3 | 71.4 |
| 23 | 24.3 | 42.8 | 33.7 | 38.6 | 51.8 | 26.1 | 34.9 | 46.9 | 57.3 | 53.6 | 50.8 | 29.9 | 60.7 | 29.8 | 42.9 | 68.9 | 63.6 | 52.2 | 62.8 | 69.4 | 48.9 | 43.3 | 50.7 | 25.1 | 46.2 | 69.4 |
| 24 | 8.8 | X | 26.6 | 29.8 | 47.6 | 47.7 | 24.6 | 13.8 | 29.9 | 38.0 | 16.9 | 12.6 | 11.4 | 14.9 | 12.2 | 12.5 | 8.3 | 8.8 | 5.7 | 5.3 | 6.4 | 9.3 | 10.4 | 7.7 | 17.8 | 47.7 |
| 25 | 3.1 | 4.1 | 9.3 | 10.8 | 8.1 | 20.5 | 39.6 | 39.6 | 36.4 | 44.5 | 5.3 | 6.3 | 21.1 | 21.9 | 23.6 | 8.4 | 18.5 | 33.7 | 26.5 | 23.1 | 34.1 | 29.1 | 26.0 | 13.1 | 21.1 | 44.5 |
| 26 | 14.3 | 24.5 | 18.0 | 12.1 | 13.8 | 13.8 | 15.9 | 24.7 | 36.9 | 29.3 | 55.8 | 51.3 | 55.2 | 50.6 | 20.8 | 12.8 | 15.0 | 10.3 | 14.3 | 37.6 | 15.1 | 11.8 | 13.6 | 11.6 | 24.1 | 55.8 |
| 27 | 11.2 | 36.4 | 62.4 | 61.3 | 64.2 | 53.5 | 107.7 | C | C | C | C | C | 107.0 | 64.8 | 81.5 | 61.7 | 98.0 | 174.4 | 124.0 | 28.5 | 8.7 | 10.9 | 8.9 | 7.2 | 61.7 | 174.4 |
| 28 | 27.1 | 33.0 | 13.2 | 29.8 | 22.6 | 13.0 | 13.1 | 14.2 | 14.0 | 21.4 | 11.1 | 11.7 | 9.1 | 13.0 | 7.6 | 10.8 | 9.2 | 11.4 | 10.0 | 9.9 | 11.6 | 12.8 | 10.4 | 12.1 | 14.7 | 33.0 |
| 29 | 11.1 | 22.3 | 10.7 | 7.0 | 7.0 | 9.7 | 12.1 | 16.1 | 17.6 | 26.9 | 65.4 | 53.9 | 18.7 | 11.1 | 10.7 | 13.0 | 13.6 | 19.8 | 12.2 | 26.3 | 59.3 | 14.6 | 16.6 | 36.4 | 21.3 | 65.4 |
| 30 | 28.6 | 20.7 | 14.0 | 17.7 | 10.2 | 14.6 | 13.0 | 16.8 | 33.2 | 28.5 | 17.0 | 27.6 | 35.4 | 73.7 | 120.0 | 185.6 | 122.7 | 53.8 | 26.5 | 30.0 | 28.8 | 50.3 | 51.6 | 40.5 | 44.2 | 185.6 |
| 31 | 28.1 | 39.9 | 25.7 | 22.3 | 25.0 | 26.2 | 22.2 | 31.5 | 23.6 | 41.7 | 36.4 | 35.6 | 46.4 | 27.1 | 37.5 | 32.4 | 29.0 | 43.0 | 25.0 | 27.3 | 31.3 | 27.3 | 24.0 | 29.8 | 30.7 | 46.4 |
| NO. | 31 | 28 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 736 | 99.6% |
| MEAN | 30.5 | 32.3 | 30.0 | 33.5 | 33.0 | 33.6 | 34.9 | 38.6 | 46.8 | 45.6 | 45.9 | 45.7 | 46.0 | 43.0 | 43.1 | 49.8 | 66.1 | 46.3 | 36.3 | 38.2 | 37.9 | 29.9 | 31.5 | 28.6 | | |
| MAX | 92.7 | 50.0 | 68.6 | 193.9 | 65.8 | 91.4 | 107.7 | 87.0 | 101.6 | 114.1 | 119.5 | 158.4 | 107.0 | 122.3 | 120.0 | 185.6 | 578.6 | 174.4 | 124.0 | 86.0 | 161.9 | 54.3 | 77.0 | 79.5 | | |



| | |
|-----------------------------|-------------|
| Number of 24HR Exceedences | 0 |
| Number of Non-Zero Readings | 736 |
| Maximum 1-HR Average | 578.6 UG/M3 |
| Maximum 24-HR Average | 84.2 UG/M3 |
| Operational time | 741 HRS |
| Operational Uptime | 99.6 % |
| Monthly Calibration | 5 |
| Standard Deviation | 32.7 |
| Monthly Average | 39.5 UG/M3 |

Lagoon Temperature (°C) – August 2024

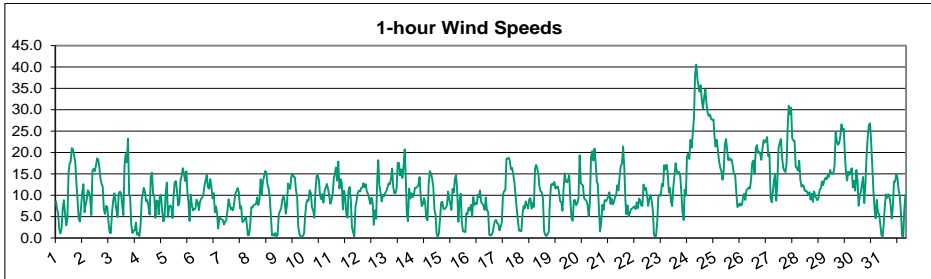
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 16.1 | 16.0 | 15.4 | 13.2 | 11.3 | 11.1 | 14.2 | 16.4 | 19.1 | 22.3 | 25.2 | 27.5 | 28.6 | 29.5 | 30.0 | 30.7 | 31.2 | 31.2 | 30.8 | 29.3 | 24.9 | 21.7 | 21.5 | 23.2 | 22.5 | 31.2 |
| 2 | 23.5 | 21.8 | 20.4 | 19.2 | 18.3 | 17.3 | 17.3 | 18.2 | 20.2 | 21.8 | 22.9 | 24.0 | 25.1 | 25.7 | 25.6 | 26.5 | 26.6 | 26.3 | 23.5 | 22.1 | 21.0 | 19.9 | 17.0 | 15.6 | 21.7 | 26.6 |
| 3 | 14.6 | 15.7 | 16.1 | 16.1 | 15.9 | 15.3 | 15.3 | 16.8 | 18.7 | 20.9 | 24.0 | 26.9 | 27.7 | 25.9 | 26.4 | 24.6 | 17.3 | 17.3 | 18.4 | 17.3 | 14.9 | 13.2 | 12.6 | 12.3 | 18.5 | 27.7 |
| 4 | 11.5 | 10.9 | 11.0 | 11.7 | 11.6 | 11.9 | 12.3 | 12.8 | 14.0 | 16.7 | 19.7 | 20.8 | 22.4 | 22.3 | 22.5 | 20.4 | 16.9 | 17.0 | 16.5 | 17.0 | 17.6 | 16.1 | 15.2 | 13.9 | 15.9 | 22.5 |
| 5 | 16.5 | 16.2 | 15.1 | 14.5 | 14.6 | 14.3 | 14.3 | 14.6 | 15.2 | 15.8 | 16.1 | 18.4 | 20.8 | 21.8 | 22.1 | 22.5 | 22.0 | 21.0 | 18.8 | 13.3 | 13.2 | 12.9 | 12.8 | 13.0 | 16.7 | 22.5 |
| 6 | 12.7 | 12.6 | 12.5 | 12.7 | 12.7 | 12.6 | 12.8 | 13.2 | 13.5 | 14.1 | 15.3 | 16.3 | 16.1 | 15.1 | 14.7 | 12.9 | 12.7 | 12.9 | 12.3 | 12.0 | 11.6 | 11.7 | 11.3 | 11.2 | 13.1 | 16.3 |
| 7 | 11.3 | 11.1 | 11.1 | 10.9 | 10.8 | 10.7 | 10.7 | 10.6 | 10.5 | 11.1 | 11.5 | 11.8 | 12.1 | 12.7 | 14.1 | 15.5 | 16.2 | 16.1 | 15.6 | 14.2 | 13.0 | 12.2 | 11.7 | 10.5 | 12.3 | 16.2 |
| 8 | 9.0 | 8.0 | 7.5 | 8.7 | 8.7 | 9.2 | 9.7 | 10.3 | 11.3 | 13.2 | 15.9 | 16.7 | 17.4 | 18.6 | 19.8 | 19.8 | 19.8 | 19.6 | 18.9 | 17.2 | 15.3 | 12.6 | 10.8 | 9.8 | 13.6 | 19.8 |
| 9 | 8.8 | 8.3 | 7.4 | 8.5 | 8.6 | 8.4 | 9.2 | 10.2 | 12.4 | 15.7 | 17.9 | 19.6 | 21.3 | 22.0 | 22.5 | 22.6 | 22.2 | 22.1 | 20.9 | 19.1 | 16.1 | 12.9 | 11.5 | 10.2 | 14.9 | 22.6 |
| 10 | 9.3 | 8.5 | 9.0 | 10.0 | 10.0 | 10.3 | 10.5 | 11.8 | 14.2 | 17.2 | 20.3 | 21.7 | 22.5 | 23.3 | 17.8 | 13.3 | 15.8 | 15.3 | 14.6 | 13.7 | 12.9 | 12.4 | 11.5 | 11.2 | 14.0 | 23.3 |
| 11 | 11.0 | 10.9 | 10.4 | 10.0 | 9.6 | 9.2 | 9.4 | 10.0 | 12.5 | 14.9 | 18.0 | 21.5 | 23.6 | 24.5 | 25.8 | 26.1 | 24.7 | 23.3 | 21.5 | 19.0 | 15.3 | 13.5 | 14.4 | 14.8 | 16.4 | 26.1 |
| 12 | 14.6 | 14.0 | 13.5 | 13.1 | 12.5 | 12.2 | 12.2 | 13.0 | 14.7 | 17.0 | 19.6 | 21.8 | 22.9 | 17.1 | 17.8 | 16.4 | 17.8 | 18.3 | 17.6 | 16.0 | 15.0 | 14.6 | 13.7 | 13.0 | 15.8 | 22.9 |
| 13 | 12.4 | 11.9 | 11.3 | 10.8 | 10.4 | 10.2 | 10.3 | 11.0 | 13.0 | 15.9 | 18.7 | 21.9 | 23.2 | 23.2 | 24.0 | 21.5 | 19.2 | 20.5 | 20.1 | 18.7 | 15.4 | 14.5 | 14.3 | 14.4 | 16.1 | 24.0 |
| 14 | 13.5 | 12.9 | 12.5 | 11.9 | 11.2 | 10.9 | 11.1 | 11.4 | 11.4 | 11.9 | 12.4 | 13.3 | 15.4 | 17.9 | 22.3 | 24.1 | 24.7 | 24.7 | 24.0 | 20.8 | 17.5 | 14.5 | 13.0 | 12.0 | 15.6 | 24.7 |
| 15 | 12.2 | 12.8 | 12.5 | 12.2 | 11.7 | 11.6 | 11.9 | 12.9 | 15.0 | 17.7 | 20.1 | 20.6 | 21.1 | 22.6 | 22.7 | 20.3 | 19.2 | 20.9 | 19.8 | 18.3 | 15.9 | 14.7 | 13.9 | 14.1 | 16.4 | 22.7 |
| 16 | 14.3 | 14.6 | 14.8 | 14.8 | 14.3 | 14.1 | 13.9 | 13.8 | 13.8 | 14.2 | 14.3 | 14.5 | 14.5 | 14.4 | 14.7 | 15.3 | 15.0 | 14.4 | 14.3 | 14.3 | 13.9 | 13.6 | 13.3 | 13.2 | 14.3 | 15.3 |
| 17 | 13.3 | 13.2 | 13.0 | 12.5 | 12.0 | 12.3 | 12.9 | 14.1 | 14.9 | 15.7 | 18.1 | 19.7 | 20.2 | 21.1 | 20.9 | 21.0 | 21.3 | 21.5 | 21.0 | 18.2 | 16.1 | 14.6 | 14.0 | 12.8 | 16.4 | 21.5 |
| 18 | 13.0 | 13.0 | 12.6 | 12.0 | 11.4 | 11.0 | 11.4 | 12.8 | 14.2 | 15.9 | 18.5 | 19.8 | 20.9 | 22.1 | 23.2 | 24.2 | 24.7 | 24.5 | 23.5 | 20.4 | 17.5 | 15.5 | 14.3 | 13.3 | 17.1 | 24.7 |
| 19 | 14.7 | 15.4 | 14.8 | 13.9 | 13.2 | 12.1 | 12.2 | 14.3 | 16.4 | 19.4 | 22.5 | 25.7 | 27.2 | 28.0 | 28.4 | 28.6 | 27.9 | 27.1 | 26.3 | 22.0 | 17.7 | 19.3 | 17.5 | 16.6 | 20.0 | 28.6 |
| 20 | 15.9 | 16.3 | 17.2 | 15.9 | 14.3 | 13.4 | 13.5 | 13.8 | 14.4 | 17.3 | 18.2 | 19.6 | 20.7 | 21.0 | 22.4 | 22.9 | 23.2 | 22.9 | 21.5 | 19.2 | 14.6 | 13.1 | 14.1 | 13.6 | 17.5 | 23.2 |
| 21 | 13.8 | 14.1 | 13.6 | 12.7 | 12.8 | 12.3 | 11.8 | 11.6 | 11.4 | 10.8 | 10.7 | 11.2 | 11.1 | 11.8 | 13.2 | 15.3 | 15.9 | 15.9 | 15.4 | 13.7 | 12.3 | 11.6 | 12.0 | 11.8 | 12.8 | 15.9 |
| 22 | 11.0 | 10.1 | 9.5 | 9.1 | 9.0 | 8.8 | 8.8 | 9.3 | 11.9 | 15.2 | 16.7 | 17.8 | 18.4 | 19.6 | 20.5 | 21.2 | 21.4 | 21.4 | 19.9 | 16.0 | 13.1 | 11.3 | 10.9 | 12.0 | 14.3 | 21.4 |
| 23 | 11.5 | 11.5 | 11.0 | 10.6 | 10.1 | 9.6 | 9.5 | 9.8 | 11.5 | 14.5 | 17.5 | 21.0 | 22.9 | 24.4 | 24.8 | 24.5 | 24.2 | 23.6 | 22.3 | 21.0 | 19.4 | 18.4 | 14.6 | 13.6 | 16.7 | 24.8 |
| 24 | 13.9 | 14.5 | 13.6 | 14.3 | 14.1 | 14.0 | 14.3 | 14.6 | 14.1 | 14.5 | 15.0 | 15.2 | 16.4 | 16.7 | 16.6 | 15.9 | 15.3 | 14.9 | 14.3 | 14.1 | 13.8 | 13.4 | 13.2 | 13.1 | 14.6 | 16.7 |
| 25 | 13.0 | 12.9 | 12.6 | 12.3 | 12.0 | 11.5 | 11.3 | 12.2 | 13.4 | 15.3 | 16.8 | 18.0 | 19.1 | 19.8 | 19.9 | 19.6 | 19.8 | 19.7 | 19.1 | 17.2 | 15.8 | 15.1 | 14.4 | 13.7 | 15.6 | 19.9 |
| 26 | 12.8 | 12.0 | 11.2 | 10.4 | 9.6 | 9.3 | 8.7 | 9.8 | 11.7 | 15.4 | 18.2 | 19.6 | 20.4 | 20.9 | 21.7 | 22.3 | 22.5 | 22.0 | 21.6 | 20.7 | 20.2 | 19.9 | 19.7 | 19.3 | 16.7 | 22.5 |
| 27 | 19.0 | 18.4 | 18.5 | 18.6 | 18.2 | 17.7 | 19.1 | 19.5 | 18.7 | 18.4 | 18.4 | 17.8 | 18.6 | 19.2 | 19.5 | 18.1 | 11.4 | 10.0 | 9.4 | 9.1 | 9.2 | 9.0 | 8.7 | 15.9 | 19.5 | |
| 28 | 7.7 | 6.5 | 5.5 | 4.8 | 4.8 | 4.7 | 4.9 | 5.1 | 5.5 | 5.8 | 6.2 | 6.7 | 7.4 | 8.2 | 9.1 | 9.7 | 10.6 | 10.9 | 10.8 | 10.8 | 10.6 | 10.0 | 9.0 | 8.1 | 7.6 | 10.9 |
| 29 | 7.8 | 7.8 | 7.5 | 7.5 | 7.0 | 6.2 | 6.0 | 7.0 | 8.8 | 12.1 | 15.1 | 17.3 | 18.8 | 20.0 | 20.8 | 21.3 | 21.5 | 21.1 | 20.3 | 18.8 | 17.9 | 17.0 | 15.8 | 14.8 | 14.1 | 21.5 |
| 30 | 13.9 | 12.9 | 12.4 | 11.5 | 10.3 | 10.0 | 9.9 | 10.0 | 10.8 | 12.0 | 13.1 | 15.3 | 19.2 | 22.3 | 23.5 | 23.9 | 24.0 | 23.5 | 22.6 | 20.8 | 18.9 | 17.4 | 16.5 | 13.5 | 16.2 | 24.0 |
| 31 | 12.8 | 12.0 | 9.7 | 8.4 | 8.0 | 9.1 | 9.7 | 11.2 | 13.5 | 16.5 | 19.4 | 22.4 | 24.2 | 24.5 | 25.3 | 25.6 | 25.6 | 24.9 | 19.6 | 15.7 | 13.3 | 13.3 | 13.9 | 16.7 | 25.6 | |
| NO. | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 744 | 100.0% |
| MEAN | 13.1 | 12.8 | 12.4 | 12.0 | 11.6 | 11.3 | 11.5 | 12.3 | 13.6 | 15.5 | 17.3 | 18.9 | 20.0 | 20.5 | 21.0 | 20.9 | 20.6 | 20.2 | 19.3 | 17.5 | 15.7 | 14.5 | 13.8 | 13.3 | | |
| MAX | 23.5 | 21.8 | 20.4 | 19.2 | 18.3 | 18.2 | 17.7 | 19.1 | 20.2 | 22.3 | 25.2 | 27.5 | 28.6 | 29.5 | 30.0 | 30.7 | 31.2 | 31.2 | 30.8 | 29.3 | 24.9 | 21.7 | 21.5 | 23.2 | | |



| | | | |
|-----------------------------|--------|--------------------|---------|
| Number of Non-Zero Readings | 744 | Operational Time | 744 HRS |
| Maximum 1-HR Average | 31.2 C | Operational Uptime | 100.0 % |
| Maximum 24-HR Average | 22.5 C | Monthly Average | 15.8 C |
| Monthly Calibration | 0 | | |
| Standard Deviation | 5.076 | | |

Lagoon Wind Speed (km/hr) – August 2024

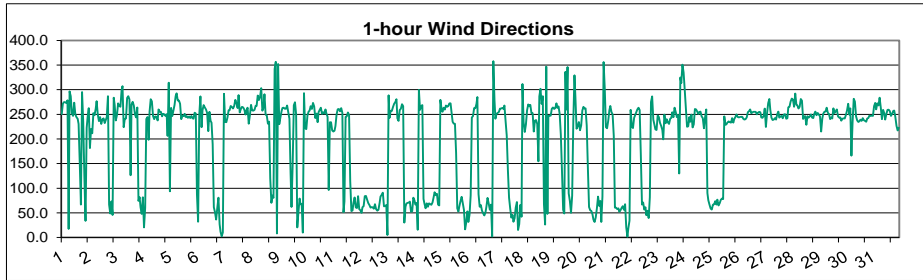
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 8.6 | 7.0 | 5.9 | 2.1 | 1.1 | 2.2 | 6.9 | 8.9 | 5.7 | 3.0 | 4.4 | 15.3 | 17.5 | 17.8 | 21.0 | 20.7 | 19.3 | 17.7 | 12.7 | 8.7 | 4.5 | 3.9 | 7.3 | 10.8 | 9.7 | 21.0 |
| 2 | 12.6 | 6.0 | 7.5 | 8.9 | 11.2 | 10.7 | 9.5 | 5.4 | 15.7 | 16.2 | 15.6 | 16.9 | 18.6 | 18.3 | 16.3 | 14.0 | 12.7 | 12.0 | 6.7 | 5.6 | 7.5 | 7.3 | 3.7 | 1.3 | 10.8 | 18.6 |
| 3 | 1.1 | 5.9 | 8.6 | 10.4 | 8.9 | 6.6 | 4.9 | 10.4 | 10.9 | 10.5 | 7.7 | 5.4 | 16.8 | 19.6 | 17.7 | 23.2 | 9.9 | 9.7 | 3.1 | 1.2 | 1.8 | 1.7 | 3.6 | 0.8 | 8.4 | 23.2 |
| 4 | 1.2 | 0.5 | 3.0 | 9.0 | 10.6 | 11.8 | 10.7 | 8.6 | 8.9 | 7.5 | 5.4 | 14.3 | 15.2 | 10.4 | 9.8 | 4.7 | 8.8 | 8.6 | 5.5 | 9.9 | 10.1 | 6.3 | 3.9 | 4.7 | 7.9 | 15.2 |
| 5 | 10.3 | 13.0 | 4.9 | 7.3 | 7.7 | 7.1 | 4.7 | 9.9 | 13.1 | 13.3 | 10.9 | 7.6 | 8.2 | 13.5 | 14.6 | 16.3 | 15.0 | 13.3 | 15.6 | 10.4 | 8.6 | 4.0 | 10.2 | 7.8 | 10.3 | 16.3 |
| 6 | 6.4 | 6.7 | 6.9 | 9.0 | 8.4 | 6.5 | 8.5 | 9.3 | 9.4 | 10.1 | 12.1 | 13.5 | 14.8 | 11.8 | 11.5 | 13.8 | 11.9 | 9.3 | 10.5 | 6.0 | 7.4 | 6.0 | 2.2 | 4.7 | 9.0 | 14.8 |
| 7 | 4.6 | 4.4 | 4.2 | 3.2 | 3.8 | 4.2 | 6.4 | 9.0 | 7.7 | 6.7 | 7.1 | 6.5 | 8.1 | 10.4 | 11.0 | 11.7 | 10.7 | 7.0 | 7.4 | 3.7 | 3.9 | 4.4 | 5.0 | 3.4 | 6.4 | 11.7 |
| 8 | 0.6 | 0.7 | 3.1 | 7.3 | 7.1 | 7.7 | 7.9 | 8.0 | 9.5 | 7.7 | 9.1 | 13.7 | 10.0 | 12.8 | 14.3 | 15.7 | 15.4 | 12.7 | 11.7 | 9.6 | 5.2 | 0.6 | 1.0 | 0.5 | 8.0 | 15.7 |
| 9 | 1.2 | 0.4 | 0.7 | 5.5 | 6.3 | 6.9 | 9.0 | 9.7 | 8.7 | 5.7 | 7.7 | 12.7 | 12.0 | 11.5 | 14.4 | 15.1 | 14.3 | 14.3 | 11.2 | 9.6 | 2.6 | 0.9 | 0.3 | 0.3 | 7.5 | 15.1 |
| 10 | 0.5 | 1.1 | 5.0 | 7.9 | 8.9 | 8.7 | 11.2 | 10.5 | 7.1 | 6.5 | 4.7 | 11.4 | 14.6 | 14.7 | 13.4 | 10.3 | 9.1 | 10.3 | 8.3 | 11.0 | 11.9 | 12.7 | 11.5 | 9.9 | 9.2 | 14.7 |
| 11 | 8.0 | 8.9 | 10.5 | 14.0 | 15.0 | 16.5 | 13.4 | 17.9 | 11.6 | 13.8 | 12.9 | 6.7 | 11.1 | 9.4 | 5.4 | 4.8 | 10.9 | 12.0 | 8.9 | 2.5 | 1.3 | 0.4 | 7.2 | 8.8 | 9.7 | 17.9 |
| 12 | 10.6 | 11.1 | 10.9 | 11.7 | 11.8 | 12.8 | 11.9 | 12.6 | 10.8 | 10.4 | 9.3 | 7.9 | 9.5 | 8.3 | 3.1 | 6.5 | 4.5 | 14.0 | 18.2 | 12.3 | 10.5 | 8.6 | 10.1 | 9.8 | 10.3 | 18.2 |
| 13 | 10.5 | 11.0 | 11.9 | 12.8 | 12.6 | 13.8 | 16.3 | 12.3 | 10.5 | 10.5 | 11.6 | 17.6 | 17.6 | 14.6 | 16.1 | 14.0 | 16.7 | 20.7 | 13.3 | 5.8 | 3.9 | 11.6 | 9.3 | 10.5 | 12.7 | 20.7 |
| 14 | 9.5 | 10.0 | 11.8 | 11.8 | 11.9 | 12.4 | 14.3 | 9.5 | 7.5 | 7.8 | 9.4 | 8.1 | 4.7 | 4.1 | 12.4 | 15.7 | 15.2 | 13.9 | 12.0 | 6.7 | 5.3 | 1.3 | 0.2 | 1.0 | 9.0 | 15.7 |
| 15 | 4.4 | 8.3 | 8.5 | 6.8 | 6.8 | 7.1 | 7.7 | 10.9 | 9.1 | 7.8 | 6.6 | 11.5 | 10.6 | 14.0 | 14.7 | 10.9 | 3.8 | 8.5 | 10.4 | 3.7 | 1.5 | 1.5 | 1.4 | 5.8 | 7.6 | 14.7 |
| 16 | 5.6 | 7.1 | 6.5 | 7.7 | 5.0 | 9.6 | 7.7 | 8.2 | 7.9 | 10.1 | 9.6 | 11.2 | 8.4 | 8.0 | 7.6 | 6.6 | 9.5 | 6.4 | 6.2 | 0.8 | 0.6 | 0.8 | 1.3 | 3.0 | 6.5 | 11.2 |
| 17 | 3.9 | 4.2 | 3.4 | 3.3 | 1.8 | 2.7 | 3.7 | 10.2 | 11.0 | 11.2 | 18.6 | 18.6 | 18.8 | 18.2 | 16.1 | 16.5 | 14.9 | 13.1 | 10.1 | 6.9 | 4.3 | 1.7 | 1.8 | 1.6 | 9.0 | 18.8 |
| 18 | 5.6 | 7.5 | 6.9 | 8.6 | 7.7 | 6.9 | 9.1 | 9.4 | 6.9 | 8.2 | 7.2 | 16.3 | 17.1 | 16.1 | 14.7 | 12.0 | 10.9 | 10.7 | 9.2 | 1.7 | 0.7 | 0.5 | 0.9 | 1.4 | 8.2 | 17.1 |
| 19 | 8.7 | 12.5 | 12.7 | 12.4 | 13.1 | 11.5 | 12.0 | 12.0 | 10.8 | 8.6 | 8.5 | 6.4 | 11.7 | 15.2 | 13.2 | 13.0 | 13.6 | 14.7 | 8.9 | 4.6 | 4.0 | 8.8 | 8.9 | 7.7 | 10.6 | 15.2 |
| 20 | 8.2 | 9.2 | 19.4 | 12.8 | 12.5 | 12.3 | 9.3 | 9.0 | 8.7 | 7.8 | 5.1 | 8.3 | 18.9 | 20.3 | 18.1 | 20.9 | 17.5 | 13.2 | 12.7 | 6.9 | 1.5 | 3.9 | 7.7 | 6.6 | 11.3 | 20.9 |
| 21 | 8.9 | 8.6 | 9.0 | 9.7 | 10.7 | 8.0 | 9.2 | 7.9 | 8.3 | 9.4 | 10.0 | 12.3 | 11.1 | 14.4 | 16.8 | 17.4 | 21.4 | 16.7 | 8.7 | 5.5 | 7.7 | 5.1 | 5.8 | 6.8 | 10.4 | 21.4 |
| 22 | 6.9 | 7.2 | 7.4 | 6.7 | 8.4 | 7.0 | 9.2 | 8.9 | 7.6 | 7.5 | 12.5 | 11.3 | 11.7 | 10.0 | 7.5 | 9.1 | 10.1 | 8.8 | 6.4 | 0.8 | 0.3 | 0.6 | 3.9 | 9.9 | 7.5 | 12.5 |
| 23 | 10.1 | 9.9 | 12.7 | 12.1 | 17.1 | 16.0 | 17.1 | 15.2 | 10.7 | 11.7 | 8.6 | 7.5 | 11.8 | 14.5 | 17.5 | 15.7 | 15.1 | 15.5 | 14.5 | 10.5 | 5.8 | 4.2 | 11.3 | 9.9 | 12.3 | 17.5 |
| 24 | 19.0 | 19.8 | 18.5 | 23.0 | 21.1 | 24.5 | 28.1 | 38.3 | 40.6 | 37.1 | 35.4 | 34.2 | 35.8 | 32.1 | 30.4 | 33.0 | 34.8 | 31.4 | 29.2 | 28.6 | 28.9 | 27.8 | 27.6 | 27.8 | 29.4 | 40.6 |
| 25 | 24.1 | 21.4 | 22.9 | 20.6 | 18.0 | 16.5 | 15.7 | 13.6 | 15.8 | 21.8 | 23.2 | 20.5 | 18.2 | 18.7 | 18.2 | 18.4 | 16.9 | 14.9 | 15.0 | 10.9 | 7.3 | 7.5 | 8.1 | 7.6 | 16.5 | 24.1 |
| 26 | 7.8 | 9.4 | 10.4 | 8.9 | 11.2 | 11.4 | 11.8 | 11.5 | 13.8 | 17.7 | 18.1 | 15.0 | 20.9 | 21.7 | 19.9 | 20.2 | 19.7 | 18.3 | 20.9 | 22.9 | 22.3 | 22.8 | 23.6 | 19.1 | 16.7 | 23.6 |
| 27 | 19.6 | 9.3 | 8.4 | 10.5 | 13.3 | 15.0 | 8.7 | 13.2 | 20.9 | 22.2 | 23.2 | 19.2 | 16.4 | 15.8 | 15.4 | 17.8 | 25.4 | 30.9 | 28.9 | 30.5 | 23.3 | 22.8 | 22.8 | 16.6 | 18.8 | 30.9 |
| 28 | 16.5 | 15.7 | 18.1 | 13.6 | 12.0 | 12.4 | 12.2 | 11.0 | 11.1 | 10.8 | 10.0 | 10.7 | 9.0 | 10.4 | 8.4 | 10.9 | 9.9 | 9.4 | 8.8 | 9.3 | 11.3 | 11.6 | 13.3 | 12.4 | 11.6 | 18.1 |
| 29 | 13.5 | 14.1 | 13.7 | 14.7 | 14.3 | 15.9 | 15.3 | 15.1 | 15.1 | 16.8 | 24.7 | 22.7 | 21.8 | 22.2 | 23.8 | 26.6 | 25.3 | 25.6 | 19.1 | 15.7 | 13.4 | 15.5 | 14.8 | 15.6 | 18.1 | 26.6 |
| 30 | 16.3 | 11.8 | 13.4 | 11.1 | 15.9 | 13.4 | 7.6 | 10.1 | 10.7 | 12.5 | 14.3 | 8.2 | 12.5 | 19.3 | 23.6 | 26.4 | 26.9 | 22.2 | 16.2 | 10.5 | 6.4 | 4.6 | 8.9 | 5.8 | 13.7 | 26.9 |
| 31 | 5.7 | 3.2 | 0.6 | 0.4 | 3.4 | 7.9 | 10.3 | 9.4 | 10.2 | 10.1 | 8.0 | 4.6 | 7.2 | 13.2 | 13.2 | 14.9 | 14.0 | 11.2 | 9.8 | 5.9 | 0.5 | 0.4 | 6.2 | 10.1 | 7.5 | 14.9 |
| NO. | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 744 | 100.0% |
| MEAN | 8.7 | 8.6 | 9.3 | 9.8 | 10.2 | 10.5 | 10.7 | 11.5 | 11.5 | 11.6 | 12.0 | 12.8 | 14.2 | 14.9 | 14.8 | 15.4 | 15.0 | 14.4 | 12.3 | 9.0 | 7.2 | 6.8 | 7.9 | 7.8 | | |
| MAX | 24.1 | 21.4 | 22.9 | 23.0 | 21.1 | 24.5 | 28.1 | 38.3 | 40.6 | 37.1 | 35.4 | 34.2 | 35.8 | 32.1 | 30.4 | 33.0 | 34.8 | 31.4 | 29.2 | 30.5 | 28.9 | 27.8 | 27.6 | 27.8 | | |



| | | | |
|-----------------------------|------------|--------------------|------------|
| Number of Non-Zero Readings | 744 | Operational Time | 744 HRS |
| Maximum 1-HR Average | 40.6 KM/HR | Operational Uptime | 100.0 % |
| Maximum 24-HR Average | 29.4 KM/HR | Monthly Average | 11.1 KM/HR |
| Monthly Calibration | 0 | | |
| Standard Deviation | 6.49 | | |

Lagoon Wind Direction (°) – August 2024

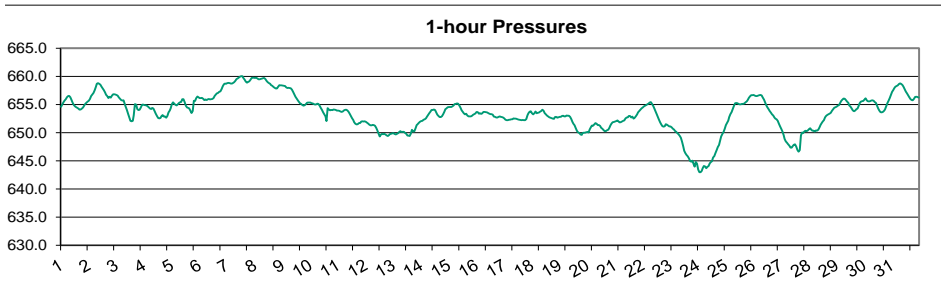
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 250.3 | 271.4 | 275.0 | 274.7 | 273.0 | 278.4 | 17.4 | 296.6 | 286.8 | 252.0 | 246.6 | 273.7 | 249.9 | 244.2 | 241.0 | 230.5 | 152.1 | 66.8 | 295.5 | 234.8 | 124.2 | 33.5 | 222.7 | 244.2 | 249.8 | 296.6 |
| 2 | 262.6 | 181.6 | 220.4 | 211.5 | 252.4 | 248.1 | 261.4 | 276.6 | 249.7 | 236.2 | 244.4 | 230.3 | 239.9 | 241.8 | 232.3 | 237.4 | 244.7 | 286.8 | 66.6 | 48.5 | 73.3 | 45.5 | 283.8 | 269.2 | 244.3 | 286.8 |
| 3 | 237.4 | 248.4 | 272.2 | 267.3 | 265.5 | 298.9 | 307.4 | 224.0 | 240.9 | 241.7 | 283.2 | 287.0 | 280.2 | 126.3 | 270.3 | 275.4 | 267.4 | 249.4 | 243.7 | 264.0 | 74.4 | 82.0 | 61.5 | 48.0 | 261.6 | 307.4 |
| 4 | 81.7 | 20.5 | 60.0 | 240.5 | 244.4 | 198.2 | 255.0 | 280.9 | 276.4 | 246.6 | 240.0 | 246.0 | 245.1 | 237.6 | 260.1 | 255.1 | 255.4 | 245.8 | 251.1 | 249.7 | 247.0 | 250.3 | 206.1 | 314.2 | 248.5 | 314.2 |
| 5 | 93.9 | 263.3 | 246.3 | 257.5 | 268.8 | 287.3 | 292.9 | 278.1 | 278.1 | 271.6 | 240.1 | 247.4 | 246.3 | 251.3 | 244.7 | 246.5 | 242.7 | 246.0 | 242.3 | 247.0 | 242.1 | 241.1 | 253.3 | 251.8 | 253.6 | 292.9 |
| 6 | 87.4 | 32.1 | 249.2 | 286.5 | 223.7 | 258.1 | 269.0 | 263.9 | 259.9 | 252.8 | 215.9 | 255.3 | 236.5 | 233.0 | 189.6 | 61.3 | 51.3 | 36.5 | 60.2 | 80.9 | 27.2 | 11.6 | 2.3 | 10.1 | 270.1 | 286.5 |
| 7 | 291.8 | 234.6 | 233.8 | 243.5 | 258.2 | 258.2 | 267.2 | 264.8 | 261.7 | 267.3 | 279.5 | 272.3 | 262.9 | 289.3 | 253.9 | 261.1 | 265.2 | 263.8 | 259.8 | 249.4 | 259.1 | 263.6 | 230.9 | 248.0 | 262.4 | 291.8 |
| 8 | 269.1 | 257.8 | 257.6 | 259.1 | 267.7 | 267.1 | 288.1 | 279.2 | 285.6 | 303.3 | 257.5 | 264.1 | 290.9 | 249.4 | 247.6 | 230.8 | 235.2 | 119.9 | 70.5 | 85.4 | 80.5 | 342.3 | 356.6 | 7.9 | 259.2 | 356.6 |
| 9 | 352.3 | 230.0 | 243.5 | 256.4 | 263.3 | 263.6 | 261.4 | 261.3 | 267.8 | 254.4 | 241.1 | 131.4 | 61.8 | 148.1 | 268.4 | 274.4 | 249.9 | 20.6 | 51.6 | 79.0 | 67.3 | 68.7 | 9.7 | 293.0 | 266.1 | 352.3 |
| 10 | 221.5 | 220.0 | 247.8 | 255.6 | 257.2 | 266.7 | 260.8 | 273.4 | 266.4 | 242.5 | 251.8 | 234.2 | 254.2 | 259.1 | 263.5 | 250.9 | 254.5 | 251.7 | 260.0 | 251.7 | 244.9 | 96.4 | 233.9 | 234.0 | 251.4 | 273.4 |
| 11 | 217.2 | 214.9 | 216.7 | 226.1 | 250.1 | 260.4 | 260.7 | 255.9 | 262.5 | 252.8 | 51.4 | 73.6 | 244.9 | 245.7 | 253.7 | 248.9 | 114.3 | 53.6 | 54.7 | 70.5 | 81.2 | 61.1 | 59.6 | 84.1 | 242.8 | 262.5 |
| 12 | 57.7 | 55.2 | 50.1 | 61.3 | 63.5 | 84.0 | 84.6 | 76.8 | 69.9 | 65.7 | 60.6 | 61.3 | 61.7 | 58.5 | 67.8 | 57.7 | 54.6 | 56.3 | 69.9 | 83.1 | 86.5 | 91.2 | 63.4 | 63.7 | 67.6 | 91.2 |
| 13 | 65.7 | 4.8 | 288.6 | 243.0 | 257.6 | 256.9 | 264.8 | 271.7 | 274.9 | 280.7 | 241.8 | 236.5 | 258.9 | 261.4 | 270.8 | 266.8 | 30.2 | 62.5 | 69.2 | 70.4 | 70.9 | 72.9 | 52.4 | 53.2 | 289.6 | 288.6 |
| 14 | 80.7 | 75.3 | 66.6 | 70.5 | 15.5 | 299.8 | 259.2 | 267.3 | 268.8 | 78.1 | 69.1 | 59.1 | 69.3 | 62.5 | 69.6 | 67.8 | 66.4 | 71.0 | 79.9 | 91.9 | 85.7 | 88.9 | 66.6 | 65.1 | 60.7 | 299.8 |
| 15 | 279.3 | 260.7 | 255.2 | 263.7 | 259.7 | 267.9 | 265.2 | 266.8 | 272.6 | 272.4 | 255.2 | 235.0 | 231.0 | 230.8 | 171.4 | 59.5 | 52.6 | 63.2 | 73.8 | 82.6 | 69.3 | 55.8 | 16.6 | 31.1 | 253.1 | 279.3 |
| 16 | 53.2 | 31.3 | 46.2 | 85.4 | 243.5 | 246.5 | 262.7 | 262.3 | 271.0 | 285.2 | 87.9 | 62.3 | 65.9 | 54.5 | 49.3 | 44.6 | 51.0 | 62.2 | 80.5 | 69.1 | 56.4 | 66.7 | 2.0 | 357.9 | 39.2 | 357.9 |
| 17 | 279.1 | 241.0 | 251.4 | 253.1 | 254.8 | 262.0 | 261.9 | 263.0 | 261.1 | 267.9 | 236.5 | 207.1 | 136.9 | 80.7 | 58.7 | 40.3 | 46.2 | 32.0 | 39.2 | 61.2 | 72.1 | 15.3 | 26.9 | 66.4 | 47.3 | 279.1 |
| 18 | 42.3 | 311.8 | 234.1 | 214.1 | 229.4 | 258.4 | 270.2 | 266.2 | 269.4 | 252.0 | 252.7 | 215.2 | 237.7 | 238.5 | 230.5 | 154.5 | 286.4 | 301.9 | 270.9 | 286.9 | 67.5 | 26.2 | 347.1 | 47.7 | 249.0 | 347.1 |
| 19 | 246.9 | 247.1 | 247.1 | 261.3 | 263.8 | 260.8 | 262.5 | 272.2 | 263.3 | 266.0 | 250.8 | 208.2 | 134.2 | 56.1 | 48.5 | 336.2 | 259.8 | 345.9 | 89.7 | 74.2 | 50.1 | 84.9 | 237.6 | 329.2 | 275.5 | 345.9 |
| 20 | 285.7 | 220.7 | 225.5 | 234.4 | 217.6 | 227.2 | 257.7 | 265.3 | 261.8 | 262.3 | 227.3 | 140.8 | 62.0 | 55.4 | 53.8 | 47.0 | 36.3 | 31.5 | 40.8 | 59.3 | 83.0 | 64.0 | 74.2 | 31.6 | 33.6 | 285.7 |
| 21 | 83.3 | 356.3 | 302.2 | 223.9 | 221.6 | 236.9 | 258.2 | 266.9 | 254.7 | 249.9 | 206.0 | 60.7 | 60.8 | 57.6 | 59.5 | 52.3 | 55.5 | 60.2 | 63.8 | 56.2 | 67.8 | 20.5 | 1.3 | 18.6 | 42.5 | 356.3 |
| 22 | 34.1 | 259.3 | 225.6 | 222.1 | 243.0 | 248.9 | 255.3 | 259.9 | 263.5 | 258.8 | 168.0 | 66.9 | 71.3 | 56.6 | 61.7 | 45.2 | 54.6 | 39.3 | 81.9 | 275.0 | 286.7 | 239.2 | 228.7 | 219.3 | 230.9 | 286.7 |
| 23 | 218.3 | 247.6 | 244.4 | 232.8 | 226.7 | 218.6 | 199.3 | 249.3 | 231.9 | 240.0 | 233.4 | 230.6 | 241.1 | 242.7 | 254.1 | 244.2 | 263.6 | 254.7 | 244.1 | 248.5 | 129.7 | 324.7 | 313.5 | 351.0 | 242.9 | 351.0 |
| 24 | 335.0 | 299.3 | 261.3 | 224.7 | 225.5 | 244.6 | 234.9 | 249.6 | 223.5 | 229.7 | 260.7 | 260.1 | 255.6 | 250.9 | 254.9 | 255.6 | 245.9 | 242.6 | 221.8 | 243.6 | 260.0 | 90.3 | 75.6 | 66.6 | 246.7 | 335.0 |
| 25 | 58.7 | 56.7 | 66.9 | 67.1 | 73.8 | 66.8 | 76.8 | 65.2 | 69.3 | 76.3 | 79.2 | 77.9 | 245.7 | 228.9 | 229.4 | 233.7 | 235.6 | 234.2 | 233.3 | 242.6 | 233.3 | 240.1 | 244.6 | 250.0 | 95.1 | 250.0 |
| 26 | 244.5 | 243.7 | 244.5 | 245.1 | 245.1 | 241.1 | 239.1 | 240.2 | 243.9 | 254.5 | 256.3 | 260.1 | 252.3 | 253.7 | 255.0 | 255.0 | 255.1 | 249.9 | 253.6 | 255.0 | 254.5 | 243.7 | 242.7 | 246.4 | 250.0 | 260.1 |
| 27 | 262.0 | 224.3 | 252.2 | 273.0 | 281.3 | 259.5 | 243.1 | 238.3 | 239.3 | 242.2 | 239.3 | 250.4 | 255.6 | 243.4 | 246.1 | 246.6 | 242.0 | 249.8 | 250.4 | 240.9 | 242.0 | 264.3 | 265.5 | 275.7 | 250.5 | 281.3 |
| 28 | 282.3 | 280.1 | 265.5 | 292.4 | 269.1 | 268.3 | 261.7 | 265.2 | 281.4 | 277.7 | 240.5 | 246.1 | 246.5 | 228.9 | 246.2 | 243.4 | 246.0 | 249.7 | 243.4 | 242.2 | 250.8 | 255.6 | 248.1 | 252.9 | 259.6 | 292.4 |
| 29 | 249.4 | 246.0 | 215.0 | 241.3 | 251.4 | 255.1 | 255.8 | 263.5 | 253.1 | 250.6 | 240.4 | 243.8 | 241.5 | 262.2 | 252.4 | 256.5 | 259.9 | 245.9 | 243.1 | 243.5 | 237.0 | 241.1 | 242.0 | 241.6 | 247.9 | 263.5 |
| 30 | 248.6 | 257.7 | 271.7 | 249.5 | 262.3 | 165.9 | 234.5 | 281.5 | 276.1 | 245.9 | 237.5 | 234.3 | 235.6 | 239.4 | 236.7 | 242.3 | 238.0 | 236.7 | 235.1 | 241.7 | 242.5 | 247.5 | 246.6 | 247.2 | 243.3 | 281.5 |
| 31 | 246.6 | 266.6 | 273.2 | 259.9 | 272.2 | 268.1 | 283.9 | 263.7 | 240.4 | 259.1 | 252.5 | 239.2 | 250.3 | 259.3 | 259.5 | 256.6 | 246.6 | 251.3 | 256.8 | 257.9 | 244.7 | 226.6 | 217.4 | 222.9 | 253.7 | 283.9 |
| NO. | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 744 | 100.0% |
| MEAN | 194.1 | 205.2 | 219.7 | 225.7 | 232.3 | 242.7 | 241.1 | 251.9 | 249.2 | 239.9 | 214.4 | 197.1 | 200.9 | 191.9 | 196.8 | 192.8 | 179.3 | 167.2 | 161.2 | 170.5 | 148.8 | 143.7 | 165.6 | 175.6 | | |
| MAX | 352.3 | 356.3 | 302.2 | 292.4 | 281.3 | 299.8 | 307.4 | 296.6 | 286.8 | 303.3 | 283.2 | 287.0 | 290.9 | 289.3 | 270.8 | 336.2 | 286.4 | 345.9 | 295.5 | 286.9 | 286.7 | 342.3 | 356.6 | 357.9 | | |



| | |
|-----------------------------|---------------|
| Number of Non-Zero Readings | 744 |
| Maximum 1-HR Average | 358 degrees |
| Maximum 24-HR Average | 290 degrees |
| Monthly Calibration | 0 |
| Standard Deviation | 89.39 |
| Operational Time | 744 HRS |
| Operational Uptime | 100.0 % |
| Monthly Average | 200.3 degrees |

Lagoon Pressure (mmHg) – August 2024

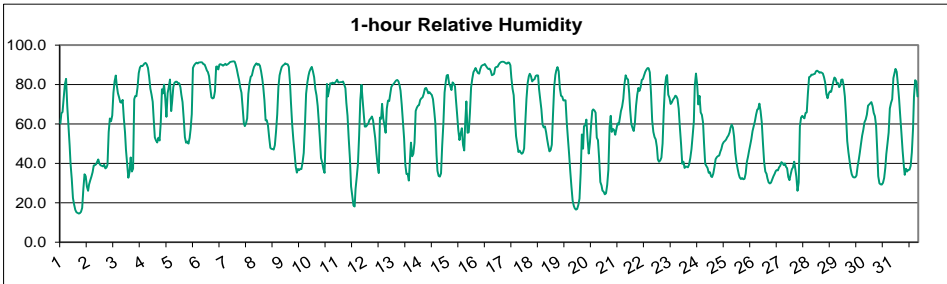
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | 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 | 654.6 | 655.0 | 655.4 | 655.7 | 656.0 | 656.3 | 656.5 | 656.6 | 656.3 | 655.9 | 655.3 | 654.9 | 654.7 | 654.5 | 654.4 | 654.3 | 654.1 | 654.1 | 654.3 | 654.5 | 654.8 | 655.2 | 655.4 | 655.5 | 655.2 | 656.6 | |
| 2 | 655.7 | 656.0 | 656.5 | 656.8 | 657.1 | 657.6 | 658.2 | 658.7 | 658.8 | 658.7 | 658.5 | 658.2 | 657.9 | 657.5 | 657.2 | 656.8 | 656.5 | 656.2 | 656.4 | 656.2 | 656.6 | 656.8 | 656.8 | 656.8 | 656.8 | 657.2 | 658.8 |
| 3 | 656.7 | 656.6 | 656.3 | 656.0 | 655.8 | 655.7 | 655.8 | 655.3 | 654.6 | 654.1 | 653.4 | 652.7 | 652.1 | 652.0 | 652.1 | 653.1 | 655.1 | 655.0 | 654.2 | 654.0 | 654.1 | 654.5 | 655.0 | 655.0 | 654.6 | 656.7 | |
| 4 | 654.9 | 654.9 | 654.8 | 654.7 | 654.5 | 654.3 | 654.2 | 654.4 | 654.3 | 653.8 | 653.4 | 653.0 | 652.6 | 652.5 | 652.7 | 653.0 | 653.1 | 652.9 | 652.9 | 652.7 | 653.0 | 653.6 | 654.0 | 654.4 | 653.7 | 654.9 | |
| 5 | 655.1 | 655.4 | 655.2 | 655.0 | 654.9 | 655.0 | 655.3 | 655.4 | 655.4 | 656.0 | 656.0 | 655.5 | 654.8 | 654.5 | 654.4 | 654.4 | 653.9 | 653.5 | 653.9 | 655.7 | 655.7 | 656.2 | 656.4 | 656.3 | 655.2 | 656.4 | |
| 6 | 656.2 | 656.2 | 656.2 | 656.0 | 655.8 | 655.9 | 655.8 | 655.9 | 656.0 | 655.9 | 656.0 | 656.0 | 656.2 | 656.6 | 656.8 | 657.0 | 657.1 | 657.3 | 657.4 | 657.7 | 658.3 | 658.6 | 658.7 | 658.7 | 656.8 | 658.7 | |
| 7 | 658.8 | 658.9 | 658.8 | 658.8 | 658.7 | 658.9 | 659.0 | 659.2 | 659.5 | 659.7 | 659.8 | 660.0 | 660.1 | 660.0 | 659.8 | 659.4 | 659.1 | 658.9 | 659.0 | 659.1 | 659.4 | 659.7 | 659.8 | 659.8 | 659.3 | 660.1 | |
| 8 | 659.7 | 659.8 | 659.7 | 659.5 | 659.5 | 659.6 | 659.6 | 659.7 | 659.8 | 659.6 | 659.2 | 659.0 | 658.8 | 658.7 | 658.5 | 658.4 | 658.1 | 658.0 | 657.9 | 657.9 | 658.2 | 658.5 | 658.4 | 658.4 | 658.9 | 659.8 | |
| 9 | 658.4 | 658.4 | 658.3 | 658.1 | 658.0 | 658.0 | 658.0 | 657.9 | 657.7 | 657.3 | 656.8 | 656.4 | 656.1 | 655.8 | 655.5 | 655.3 | 655.1 | 655.0 | 654.8 | 654.9 | 655.1 | 655.3 | 655.4 | 655.4 | 656.5 | 658.4 | |
| 10 | 655.4 | 655.3 | 655.2 | 655.1 | 655.0 | 655.1 | 655.2 | 655.1 | 654.8 | 654.4 | 654.0 | 653.6 | 653.3 | 652.9 | 652.1 | 654.4 | 654.2 | 654.0 | 654.0 | 654.0 | 654.1 | 654.1 | 654.1 | 654.1 | 654.3 | 655.4 | |
| 11 | 653.9 | 653.9 | 653.8 | 653.7 | 653.8 | 654.0 | 654.1 | 654.1 | 654.0 | 653.7 | 653.4 | 653.0 | 652.6 | 652.3 | 651.9 | 651.6 | 651.5 | 651.5 | 651.7 | 651.7 | 652.0 | 652.0 | 652.0 | 652.0 | 652.8 | 654.1 | |
| 12 | 652.0 | 651.8 | 651.6 | 651.5 | 651.3 | 651.3 | 651.4 | 651.4 | 651.3 | 650.9 | 650.4 | 649.9 | 649.6 | 649.6 | 649.8 | 649.7 | 649.8 | 649.7 | 649.5 | 649.4 | 649.6 | 649.8 | 649.8 | 649.9 | 650.5 | 652.0 | |
| 13 | 649.9 | 649.8 | 649.7 | 649.8 | 649.9 | 650.1 | 650.3 | 650.1 | 650.2 | 650.2 | 650.0 | 649.8 | 649.5 | 649.5 | 649.4 | 649.8 | 650.5 | 650.2 | 650.3 | 650.8 | 651.4 | 651.5 | 651.8 | 651.9 | 650.3 | 651.9 | |
| 14 | 652.1 | 652.1 | 652.3 | 652.4 | 652.6 | 652.8 | 653.2 | 653.5 | 653.8 | 654.1 | 654.1 | 654.1 | 654.0 | 653.7 | 653.2 | 653.0 | 652.8 | 652.8 | 653.0 | 653.3 | 653.8 | 654.2 | 654.4 | 654.6 | 653.3 | 654.6 | |
| 15 | 654.6 | 654.6 | 654.6 | 654.7 | 654.9 | 655.1 | 655.2 | 655.2 | 655.2 | 655.2 | 654.9 | 654.4 | 654.0 | 653.7 | 653.5 | 653.3 | 653.4 | 653.1 | 652.9 | 652.9 | 653.0 | 653.2 | 653.3 | 653.4 | 654.0 | 655.2 | |
| 16 | 653.7 | 653.7 | 653.4 | 653.5 | 653.4 | 653.5 | 653.7 | 653.7 | 653.7 | 653.6 | 653.5 | 653.4 | 653.3 | 653.3 | 653.2 | 652.9 | 652.8 | 652.7 | 652.7 | 652.8 | 652.9 | 652.8 | 652.8 | 652.8 | 653.2 | 653.7 | |
| 17 | 652.6 | 652.3 | 652.2 | 652.2 | 652.3 | 652.3 | 652.4 | 652.4 | 652.6 | 652.5 | 652.5 | 652.4 | 652.4 | 652.3 | 652.3 | 652.3 | 652.3 | 652.2 | 652.2 | 652.5 | 653.1 | 653.5 | 653.8 | 653.8 | 652.6 | 653.8 | |
| 18 | 653.5 | 653.3 | 653.5 | 653.8 | 653.5 | 653.5 | 653.6 | 653.7 | 653.9 | 654.1 | 653.9 | 653.5 | 653.3 | 653.1 | 652.9 | 652.7 | 652.7 | 652.6 | 652.5 | 652.5 | 652.8 | 652.9 | 652.7 | 652.8 | 653.2 | 654.1 | |
| 19 | 652.8 | 652.8 | 653.0 | 653.0 | 652.9 | 652.9 | 653.1 | 653.0 | 652.8 | 652.8 | 652.4 | 651.9 | 651.6 | 651.3 | 650.8 | 650.7 | 650.1 | 650.0 | 649.7 | 649.6 | 650.0 | 650.0 | 650.0 | 650.1 | 651.6 | 653.1 | |
| 20 | 650.2 | 650.1 | 650.6 | 651.0 | 651.3 | 651.3 | 651.5 | 651.7 | 651.6 | 651.4 | 651.4 | 651.2 | 650.9 | 650.7 | 650.5 | 650.3 | 650.3 | 650.4 | 650.5 | 650.9 | 651.3 | 651.6 | 651.9 | 651.9 | 651.0 | 651.9 | |
| 21 | 652.0 | 652.1 | 652.2 | 652.0 | 651.8 | 651.9 | 652.0 | 652.1 | 652.2 | 652.5 | 652.7 | 652.8 | 653.0 | 653.0 | 652.7 | 652.9 | 652.5 | 652.7 | 652.9 | 653.3 | 653.6 | 653.9 | 654.1 | 654.3 | 652.7 | 654.3 | |
| 22 | 654.5 | 654.7 | 654.8 | 654.9 | 655.1 | 655.2 | 655.4 | 655.4 | 655.2 | 654.8 | 654.3 | 653.8 | 653.4 | 652.9 | 652.4 | 651.9 | 651.5 | 651.2 | 651.1 | 651.2 | 651.5 | 651.4 | 651.3 | 651.1 | 653.3 | 655.4 | |
| 23 | 651.1 | 651.0 | 650.8 | 650.6 | 650.3 | 650.2 | 649.9 | 649.7 | 649.4 | 649.1 | 648.4 | 647.6 | 646.8 | 646.3 | 646.0 | 645.8 | 645.5 | 645.0 | 644.9 | 645.1 | 644.5 | 644.0 | 644.8 | 644.5 | 647.6 | 651.1 | |
| 24 | 643.5 | 643.0 | 643.0 | 643.2 | 643.7 | 644.1 | 644.0 | 643.7 | 643.9 | 644.1 | 644.6 | 644.8 | 644.9 | 645.6 | 645.8 | 646.4 | 646.9 | 647.5 | 647.8 | 648.5 | 649.3 | 649.8 | 650.1 | 650.7 | 645.8 | 650.7 | |
| 25 | 651.4 | 651.8 | 652.2 | 652.8 | 653.3 | 653.7 | 654.2 | 654.8 | 655.2 | 655.3 | 655.3 | 655.1 | 655.1 | 655.1 | 655.1 | 655.1 | 655.2 | 655.4 | 655.6 | 655.8 | 656.2 | 656.5 | 656.7 | 656.7 | 654.7 | 656.7 | |
| 26 | 656.7 | 656.6 | 656.5 | 656.5 | 656.6 | 656.7 | 656.7 | 656.6 | 656.2 | 655.9 | 655.4 | 655.0 | 654.6 | 654.2 | 653.9 | 653.6 | 653.3 | 653.1 | 652.7 | 652.5 | 652.4 | 652.1 | 651.6 | 651.1 | 654.6 | 656.7 | |
| 27 | 650.7 | 650.2 | 649.6 | 648.9 | 648.5 | 648.2 | 648.0 | 647.7 | 647.4 | 647.3 | 647.7 | 647.9 | 647.5 | 647.0 | 646.6 | 646.9 | 646.9 | 646.5 | 650.0 | 649.9 | 650.2 | 650.4 | 650.3 | 650.4 | 648.7 | 650.7 | |
| 28 | 650.7 | 650.8 | 650.5 | 650.4 | 650.4 | 650.2 | 650.4 | 650.4 | 650.5 | 650.9 | 651.4 | 651.7 | 652.0 | 652.3 | 652.8 | 653.0 | 653.2 | 653.3 | 653.4 | 653.6 | 653.9 | 654.2 | 654.5 | 654.6 | 652.0 | 654.6 | |
| 29 | 654.7 | 654.8 | 654.9 | 655.3 | 655.7 | 655.9 | 656.1 | 656.1 | 655.8 | 655.5 | 655.3 | 654.8 | 654.6 | 654.3 | 654.0 | 653.8 | 654.0 | 654.2 | 654.3 | 654.7 | 655.3 | 655.5 | 655.6 | 655.6 | 655.0 | 656.1 | |
| 30 | 655.9 | 656.1 | 655.8 | 655.6 | 655.6 | 655.6 | 655.7 | 655.8 | 655.7 | 655.5 | 655.3 | 654.9 | 654.3 | 653.9 | 653.7 | 653.6 | 653.7 | 653.9 | 654.1 | 654.7 | 655.3 | 655.7 | 656.2 | 656.7 | 655.0 | 656.7 | |
| 31 | 657.3 | 657.6 | 657.9 | 658.2 | 658.3 | 658.4 | 658.6 | 658.8 | 658.7 | 658.5 | 658.2 | 657.8 | 657.3 | 657.0 | 656.6 | 656.3 | 656.0 | 655.8 | 655.8 | 656.0 | 656.4 | 656.4 | 656.4 | 656.3 | 657.3 | 658.8 | |
| NO. | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 744 | 100.0% | |
| MEAN | 653.8 | 653.9 | 653.9 | 653.9 | 653.9 | 654.0 | 654.1 | 654.1 | 654.1 | 654.0 | 653.8 | 653.5 | 653.3 | 653.1 | 652.9 | 652.9 | 652.9 | 652.9 | 653.0 | 653.2 | 653.5 | 653.7 | 653.8 | 653.9 | | | |
| MAX | 659.7 | 659.8 | 659.7 | 659.5 | 659.5 | 659.6 | 659.6 | 659.7 | 659.8 | 659.7 | 659.8 | 660.0 | 660.1 | 660.0 | 659.8 | 659.4 | 659.1 | 658.9 | 659.0 | 659.1 | 659.4 | 659.7 | 659.8 | 659.8 | | | |



| | |
|-----------------------------|------------|
| Number of Non-Zero Readings | 744 |
| Maximum 1-HR Average | 660 MMHg |
| Maximum 24-HR Average | 659 MMHg |
| Operational Time | 744 HRS |
| Monthly Calibration | 0 |
| Operational Uptime | 100.0 % |
| Standard Deviation | 3.214 |
| Monthly Average | 653.6 MMHg |

Lagoon Relative Humidity (%) – August 2024

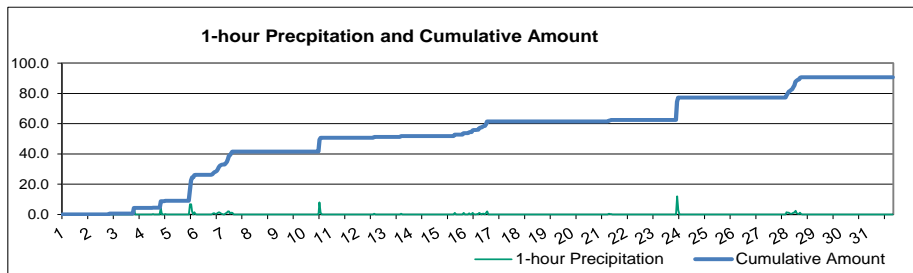
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 60.2 | 65.4 | 66.1 | 73.3 | 80.2 | 83.0 | 69.1 | 59.2 | 49.2 | 39.6 | 32.2 | 22.5 | 19.1 | 16.4 | 15.2 | 14.9 | 14.5 | 14.8 | 15.4 | 17.4 | 27.0 | 34.5 | 33.5 | 28.2 | 39.6 | 83.0 |
| 2 | 26.1 | 29.2 | 31.4 | 33.3 | 35.5 | 39.0 | 39.1 | 39.6 | 41.0 | 42.0 | 39.8 | 39.0 | 38.8 | 38.4 | 39.3 | 37.4 | 38.0 | 39.4 | 55.9 | 62.8 | 61.4 | 64.3 | 75.8 | 81.7 | 44.5 | 81.7 |
| 3 | 84.6 | 79.8 | 75.6 | 73.5 | 71.1 | 70.8 | 72.3 | 62.9 | 55.7 | 47.0 | 39.8 | 32.7 | 35.5 | 43.0 | 35.9 | 37.4 | 72.6 | 74.1 | 74.1 | 78.7 | 85.9 | 88.6 | 89.5 | 89.3 | 65.4 | 89.5 |
| 4 | 90.1 | 90.7 | 91.0 | 90.2 | 88.5 | 83.9 | 78.0 | 75.0 | 71.2 | 62.8 | 53.1 | 51.6 | 50.5 | 53.0 | 51.5 | 60.8 | 77.7 | 75.6 | 80.0 | 73.0 | 63.6 | 75.6 | 78.9 | 82.6 | 72.9 | 91.0 |
| 5 | 66.6 | 71.2 | 78.8 | 80.9 | 81.4 | 81.4 | 80.7 | 80.7 | 78.7 | 74.8 | 71.1 | 62.8 | 53.3 | 50.4 | 51.1 | 50.1 | 53.0 | 57.2 | 64.9 | 88.4 | 89.8 | 90.6 | 91.1 | 90.7 | 72.5 | 91.1 |
| 6 | 91.2 | 91.3 | 91.4 | 91.2 | 90.3 | 90.2 | 88.7 | 87.1 | 86.4 | 84.3 | 78.6 | 73.4 | 72.9 | 73.2 | 76.6 | 89.1 | 89.3 | 87.7 | 90.2 | 90.3 | 90.0 | 89.6 | 90.0 | 90.6 | 86.4 | 91.4 |
| 7 | 89.9 | 90.2 | 90.6 | 91.4 | 91.6 | 91.7 | 91.8 | 91.6 | 90.4 | 87.9 | 84.9 | 82.2 | 78.4 | 75.8 | 68.3 | 60.5 | 58.9 | 60.2 | 62.8 | 75.3 | 80.8 | 83.9 | 84.6 | 87.3 | 81.3 | 91.8 |
| 8 | 89.0 | 90.0 | 90.8 | 90.0 | 90.4 | 89.5 | 86.7 | 82.8 | 78.7 | 71.9 | 61.8 | 61.9 | 59.2 | 53.2 | 47.9 | 47.3 | 47.3 | 46.9 | 49.3 | 56.2 | 64.8 | 78.7 | 84.7 | 87.2 | 71.1 | 90.8 |
| 9 | 88.9 | 89.6 | 90.1 | 90.8 | 90.3 | 90.4 | 89.0 | 80.8 | 70.9 | 60.1 | 52.3 | 45.6 | 38.6 | 35.2 | 37.2 | 36.6 | 37.3 | 37.1 | 40.4 | 45.2 | 58.9 | 75.3 | 80.7 | 84.5 | 64.4 | 90.8 |
| 10 | 86.5 | 88.0 | 89.0 | 86.6 | 83.7 | 77.8 | 74.5 | 69.2 | 62.2 | 52.9 | 42.7 | 40.5 | 37.2 | 35.2 | 55.6 | 80.3 | 73.9 | 77.0 | 80.7 | 80.4 | 81.0 | 80.4 | 80.9 | 81.7 | 70.7 | 89.0 |
| 11 | 82.5 | 81.1 | 81.1 | 81.2 | 81.2 | 81.6 | 80.0 | 78.2 | 70.7 | 64.2 | 52.7 | 42.6 | 28.3 | 23.6 | 18.7 | 18.1 | 27.0 | 33.1 | 39.7 | 54.1 | 72.1 | 79.9 | 71.9 | 64.4 | 58.7 | 82.5 |
| 12 | 58.6 | 58.6 | 59.4 | 60.4 | 62.1 | 62.8 | 63.8 | 61.8 | 57.6 | 52.8 | 45.3 | 38.9 | 35.1 | 63.2 | 62.6 | 70.2 | 62.8 | 59.3 | 55.5 | 67.9 | 72.0 | 71.5 | 75.7 | 78.8 | 60.7 | 78.8 |
| 13 | 79.8 | 80.3 | 81.2 | 82.0 | 82.3 | 81.7 | 79.6 | 76.8 | 69.8 | 61.3 | 52.7 | 39.6 | 34.6 | 34.7 | 31.2 | 40.2 | 50.6 | 43.6 | 44.8 | 50.5 | 66.6 | 68.3 | 69.4 | 69.5 | 61.3 | 82.3 |
| 14 | 72.1 | 73.1 | 73.5 | 75.2 | 78.0 | 78.3 | 77.0 | 75.5 | 76.1 | 75.4 | 74.7 | 72.6 | 66.9 | 60.3 | 44.3 | 36.2 | 33.6 | 33.2 | 34.9 | 49.2 | 60.4 | 76.0 | 81.4 | 84.6 | 65.1 | 84.6 |
| 15 | 84.9 | 80.6 | 79.2 | 77.2 | 81.1 | 80.4 | 79.1 | 72.4 | 64.9 | 56.8 | 51.8 | 55.2 | 57.9 | 49.3 | 46.5 | 60.1 | 71.4 | 55.5 | 55.8 | 65.5 | 78.5 | 82.9 | 86.3 | 87.2 | 69.2 | 87.2 |
| 16 | 88.5 | 87.0 | 85.9 | 85.5 | 87.9 | 89.5 | 89.9 | 89.9 | 90.4 | 89.4 | 88.6 | 87.9 | 88.1 | 87.0 | 84.8 | 85.0 | 85.4 | 88.6 | 89.0 | 89.0 | 90.2 | 91.0 | 91.4 | 91.5 | 88.4 | 91.5 |
| 17 | 91.5 | 91.3 | 90.7 | 90.6 | 91.2 | 91.1 | 89.7 | 83.6 | 78.0 | 74.7 | 63.5 | 53.8 | 49.8 | 45.7 | 46.5 | 45.6 | 44.8 | 45.4 | 47.6 | 60.6 | 72.8 | 80.8 | 84.3 | 85.4 | 70.8 | 91.5 |
| 18 | 84.3 | 81.6 | 82.4 | 82.7 | 84.4 | 84.7 | 84.7 | 77.8 | 72.6 | 67.4 | 59.6 | 58.2 | 58.8 | 55.7 | 52.5 | 49.0 | 46.0 | 46.8 | 49.5 | 64.7 | 78.7 | 84.8 | 87.2 | 88.9 | 70.1 | 88.9 |
| 19 | 86.7 | 78.2 | 74.3 | 74.0 | 72.0 | 72.0 | 61.1 | 52.8 | 44.9 | 36.0 | 28.1 | 21.2 | 18.4 | 17.2 | 16.5 | 16.9 | 18.8 | 22.2 | 35.2 | 54.8 | 47.4 | 59.0 | 59.2 | 47.4 | 47.4 | 86.7 |
| 20 | 62.3 | 52.5 | 45.0 | 50.5 | 59.7 | 66.8 | 67.4 | 66.8 | 65.8 | 53.1 | 51.8 | 42.3 | 30.6 | 28.8 | 26.2 | 25.6 | 24.3 | 24.9 | 29.1 | 36.8 | 58.5 | 64.2 | 56.0 | 57.5 | 47.8 | 67.4 |
| 21 | 57.0 | 54.6 | 57.5 | 60.3 | 59.6 | 63.4 | 66.5 | 68.8 | 72.7 | 80.3 | 84.7 | 83.1 | 82.6 | 75.5 | 67.1 | 59.9 | 58.0 | 56.4 | 60.6 | 69.3 | 75.0 | 78.3 | 76.7 | 78.6 | 68.6 | 84.7 |
| 22 | 82.3 | 82.8 | 84.7 | 86.5 | 87.6 | 88.5 | 88.4 | 86.1 | 75.8 | 61.8 | 56.0 | 53.4 | 52.2 | 48.2 | 42.0 | 40.8 | 41.5 | 43.0 | 50.1 | 66.8 | 79.0 | 83.9 | 84.9 | 74.8 | 68.4 | 88.5 |
| 23 | 73.3 | 70.1 | 70.9 | 72.4 | 73.1 | 74.4 | 74.1 | 72.7 | 67.8 | 58.3 | 49.9 | 39.8 | 41.0 | 37.6 | 38.4 | 38.3 | 37.9 | 39.5 | 42.7 | 47.2 | 54.1 | 61.3 | 79.4 | 85.6 | 58.3 | 85.6 |
| 24 | 80.2 | 69.9 | 74.3 | 65.8 | 64.6 | 60.6 | 50.5 | 39.8 | 38.6 | 37.7 | 35.1 | 35.5 | 33.4 | 33.1 | 34.7 | 38.1 | 42.1 | 43.2 | 43.7 | 44.0 | 45.9 | 47.2 | 49.6 | 50.8 | 48.3 | 80.2 |
| 25 | 51.4 | 52.0 | 53.2 | 54.1 | 55.8 | 58.1 | 59.7 | 58.2 | 53.6 | 45.5 | 40.6 | 37.3 | 34.4 | 32.8 | 32.0 | 32.6 | 32.0 | 32.1 | 34.9 | 40.7 | 43.5 | 46.2 | 49.2 | 52.3 | 45.1 | 59.7 |
| 26 | 56.4 | 58.9 | 61.3 | 64.8 | 67.4 | 67.7 | 70.3 | 66.5 | 60.8 | 50.2 | 40.7 | 35.8 | 34.7 | 32.4 | 30.4 | 29.8 | 30.2 | 31.8 | 33.3 | 34.6 | 36.1 | 36.7 | 36.4 | 38.0 | 46.1 | 70.3 |
| 27 | 38.8 | 40.7 | 40.1 | 39.1 | 40.0 | 38.3 | 37.5 | 33.0 | 31.5 | 34.4 | 36.9 | 38.0 | 40.9 | 37.8 | 33.3 | 26.1 | 30.3 | 58.7 | 63.3 | 64.2 | 63.4 | 62.8 | 65.6 | 65.8 | 44.2 | 65.8 |
| 28 | 75.8 | 83.8 | 84.1 | 85.0 | 85.0 | 85.3 | 85.4 | 86.8 | 87.1 | 86.6 | 86.0 | 86.2 | 86.0 | 85.6 | 83.7 | 80.9 | 75.2 | 73.0 | 75.5 | 76.5 | 76.3 | 78.4 | 81.4 | 83.6 | 82.2 | 87.1 |
| 29 | 82.9 | 80.7 | 80.8 | 78.7 | 79.5 | 82.4 | 82.6 | 79.4 | 74.0 | 64.0 | 51.4 | 45.8 | 41.3 | 37.6 | 34.5 | 33.2 | 32.8 | 32.9 | 33.8 | 38.5 | 42.0 | 45.3 | 49.7 | 54.1 | 56.6 | 82.9 |
| 30 | 57.1 | 60.9 | 62.2 | 64.7 | 69.3 | 69.8 | 70.5 | 71.1 | 69.1 | 65.6 | 63.9 | 59.1 | 45.8 | 33.5 | 29.9 | 29.4 | 29.2 | 30.1 | 32.6 | 37.9 | 44.6 | 50.0 | 55.6 | 67.8 | 52.9 | 71.1 |
| 31 | 70.6 | 72.6 | 83.2 | 86.0 | 88.0 | 86.5 | 80.2 | 72.9 | 63.9 | 55.4 | 46.4 | 39.0 | 34.2 | 37.4 | 35.9 | 36.7 | 36.8 | 38.8 | 45.7 | 57.7 | 73.8 | 82.2 | 81.5 | 73.9 | 61.6 | 88.0 |
| NO. | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 744 | 100.0% |
| MEAN | 73.9 | 73.4 | 74.2 | 74.8 | 75.9 | 76.2 | 74.8 | 71.2 | 67.0 | 61.4 | 55.6 | 51.1 | 47.8 | 46.2 | 44.2 | 45.4 | 47.5 | 48.3 | 51.5 | 58.7 | 65.9 | 70.3 | 73.0 | 74.1 | | |
| MAX | 91.5 | 91.3 | 91.4 | 91.4 | 91.6 | 91.7 | 91.8 | 91.6 | 90.4 | 89.4 | 88.6 | 87.9 | 88.1 | 87.0 | 84.8 | 89.1 | 89.3 | 88.6 | 90.2 | 90.3 | 90.2 | 91.0 | 91.4 | 91.5 | | |



| | | | |
|-----------------------------|--------|--------------------|---------|
| Number of Non-Zero Readings | 744 | Operational Time | 744 HRS |
| Maximum 1-HR Average | 91.8 % | Operational Uptime | 100.0 % |
| Maximum 24-HR Average | 88.4 % | Monthly Average | 62.6 % |
| Monthly Calibration | 0 | | |
| Standard Deviation | 20.38 | | |

Lagoon Precipitation (mm) – August 2024

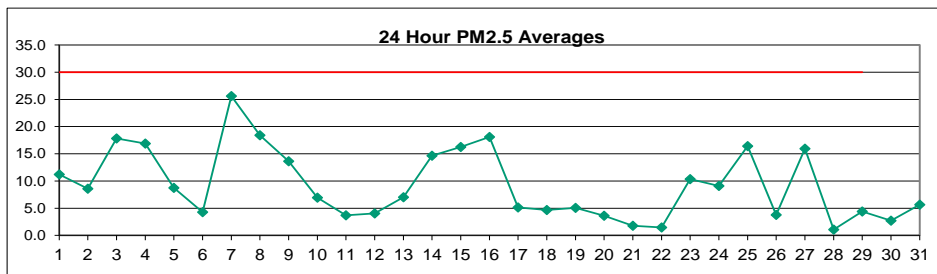
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | DAILY MAX 24-HOUR TOTAL | | | | | | | | | | |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-------------------------|-----|-----|-----|-----|-----|------|------|------|------|-----|
| | 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 | 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 | 0.5 | 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 | 0.5 | 0.5 | |
| 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 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 3.8 | |
| 4 | 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 | 4.3 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 4.8 | | |
| 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 | 6.8 | 6.8 | 2.0 | 0.0 | 1.5 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 17.3 | | | |
| 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 | 0.3 | 0.8 | 0.8 | 0.3 | 0.5 | 1.0 | 1.5 | 1.0 | 0.5 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 6.8 | | | |
| 7 | 0.0 | 0.0 | 0.8 | 1.0 | 2.0 | 2.0 | 0.5 | 1.3 | 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 | 2.0 | 8.5 | | | |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 8.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 9.3 | | | |
| 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 | 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 | 0.5 | 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 | 0.5 | 0.5 | | | |
| 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 | 0.5 | 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 | 0.5 | 0.5 | | | |
| 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 | 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 | 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 | 1.0 | 1.0 | 2.0 | | | |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 1.0 | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | 1.0 | 0.5 | 0.0 | 0.5 | 0.5 | 0.0 | 1.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 7.8 | | | | |
| 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.5 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 0.0 | 1.0 | | |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | 2.8 | 12.0 | 14.8 | |
| 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 | 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 | 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 | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 28 | 1.5 | 1.3 | 1.3 | 0.5 | 0.5 | 0.5 | 1.3 | 1.3 | 2.5 | 0.8 | 0.5 | 0.3 | 1.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 13.5 | 0.0 | 13.5 | | |
| 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 | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| NO. | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 744 | 100% | |
| MEAN | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.3 | 0.0 | 0.3 | 0.3 | 0.2 | 0.0 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| MAX | 1.5 | 1.3 | 1.3 | 1.0 | 2.0 | 2.0 | 1.3 | 1.3 | 2.5 | 0.8 | 0.5 | 0.3 | 1.3 | 1.0 | 8.0 | 1.3 | 4.3 | 0.5 | 6.8 | 6.8 | 2.0 | 1.0 | 12.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |



| | |
|-----------------------------|---------|
| Number of Non-Zero Readings | 62 |
| Maximum 1-HR Average | 17.3 MM |
| Maximum 24-HR Average | 12.0 MM |
| Monthly Calibration | 0 |
| Standard Deviation | 0.719 |
| Operational Time | 744 HRS |
| Operational Uptime | 100.0 % |
| Monthly Average | 0.12 MM |

Windridge PM_{2.5} (µg/m³) – August 2024

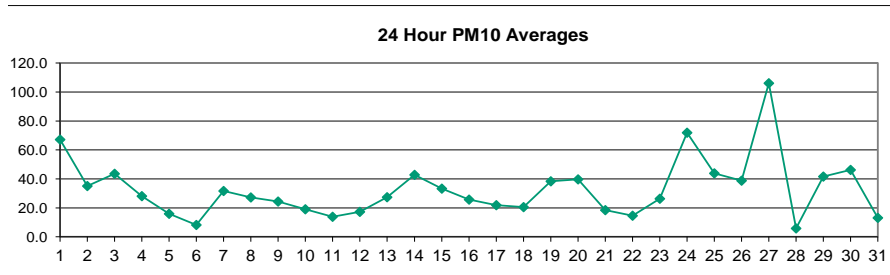
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 1 | 5.0 | 6.0 | 3.0 | 3.0 | 8.0 | 6.0 | 3.0 | 14.0 | 16.0 | 16.0 | 20.0 | 16.0 | 13.0 | 15.0 | 13.0 | 10.0 | 11.0 | 19.0 | 11.0 | 20.0 | 17.0 | 7.0 | 9.0 | 8.0 | 11.2 | 20.0 | |
| 2 | 9.0 | 12.0 | 10.0 | 8.0 | 6.0 | 6.0 | 10.0 | 14.0 | 18.0 | 4.0 | 7.0 | 10.0 | 9.0 | 7.0 | 5.0 | 3.0 | 4.0 | 5.0 | 12.0 | 8.0 | 8.0 | 14.0 | 10.0 | 7.0 | 8.6 | 18.0 | |
| 3 | 9.0 | 9.0 | 15.0 | 14.0 | 11.0 | 19.0 | 16.0 | 17.0 | 18.0 | 39.0 | 24.0 | 24.0 | 15.0 | 19.0 | 16.0 | 24.0 | 23.0 | 25.0 | 20.0 | 17.0 | 13.0 | 12.0 | 15.0 | 14.0 | 17.8 | 39.0 | |
| 4 | 14.0 | 13.0 | 14.0 | 11.0 | 13.0 | 18.0 | 19.0 | 18.0 | 19.0 | 18.0 | 22.0 | 13.0 | 14.0 | 11.0 | 7.0 | 8.0 | 21.0 | 24.0 | 25.0 | 20.0 | 16.0 | 21.0 | 24.0 | 22.0 | 16.9 | 25.0 | |
| 5 | 12.0 | 9.0 | 7.0 | 8.0 | 13.0 | 11.0 | 15.0 | 9.0 | 8.0 | 8.0 | 8.0 | 9.0 | 8.0 | 9.0 | 13.0 | 12.0 | 11.0 | 10.0 | 8.0 | 10.0 | 6.0 | 3.0 | 1.0 | 2.0 | 8.8 | 15.0 | |
| 6 | 4.0 | 4.0 | 2.0 | 2.0 | 4.0 | 7.0 | 6.0 | 6.0 | 9.0 | 9.0 | 8.0 | 7.0 | 9.0 | 8.0 | 3.0 | 0.0 | 0.0 | 1.0 | 3.0 | 2.0 | 3.0 | 4.0 | 2.0 | 0.0 | 4.3 | 9.0 | |
| 7 | 0.0 | 2.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 27.0 | 47.0 | 50.0 | 47.0 | 37.0 | 26.0 | 29.0 | 36.0 | 46.0 | 41.0 | 32.0 | 33.0 | 33.0 | 35.0 | 29.0 | 23.0 | 22.0 | 25.6 | 50.0 | |
| 8 | 19.0 | 21.0 | 19.0 | 19.0 | 20.0 | 18.0 | 18.0 | 22.0 | 18.0 | 19.0 | 24.0 | 22.0 | 15.0 | 17.0 | 16.0 | 15.0 | 16.0 | 15.0 | 18.0 | 19.0 | 17.0 | 15.0 | 15.0 | 18.0 | 18.4 | 24.0 | |
| 9 | 18.0 | 21.0 | 20.0 | 19.0 | 18.0 | 19.0 | 21.0 | 17.0 | 17.0 | 19.0 | 20.0 | 13.0 | 13.0 | 14.0 | 10.0 | 7.0 | 6.0 | 5.0 | 6.0 | 10.0 | 10.0 | 7.0 | 9.0 | 8.0 | 13.6 | 21.0 | |
| 10 | 9.0 | 7.0 | 9.0 | 6.0 | 8.0 | 8.0 | 11.0 | 8.0 | 11.0 | 8.0 | 8.0 | 6.0 | 9.0 | 11.0 | X | 9.0 | 5.0 | 2.0 | 3.0 | 6.0 | 4.0 | 3.0 | 5.0 | 4.0 | 7.0 | 11.0 | |
| 11 | 3.0 | 6.0 | 6.0 | 5.0 | 4.0 | 2.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 5.0 | 6.0 | 4.0 | 1.0 | 2.0 | 7.0 | 6.0 | 5.0 | 4.0 | 6.0 | 4.0 | 1.0 | 4.0 | 3.7 | 7.0 | |
| 12 | 4.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | 6.0 | 5.0 | 4.0 | 4.0 | 6.0 | 6.0 | 4.0 | 3.0 | 5.0 | 4.0 | 6.0 | 8.0 | 7.0 | 3.0 | 0.0 | 1.0 | 2.0 | 4.0 | 8.0 | |
| 13 | 3.0 | 5.0 | 4.0 | 2.0 | 1.0 | 1.0 | 2.0 | 6.0 | 3.0 | 1.0 | 5.0 | 8.0 | 18.0 | 14.0 | 15.0 | 11.0 | 10.0 | 13.0 | 9.0 | 6.0 | 7.0 | 7.0 | 11.0 | 7.0 | 7.0 | 18.0 | |
| 14 | 8.0 | 14.0 | 11.0 | 12.0 | 15.0 | 12.0 | 10.0 | 14.0 | 12.0 | 15.0 | 15.0 | 14.0 | 17.0 | 20.0 | 19.0 | 23.0 | 23.0 | 21.0 | 19.0 | 11.0 | 9.0 | 11.0 | 11.0 | 16.0 | 14.7 | 23.0 | |
| 15 | 17.0 | 19.0 | 16.0 | 13.0 | 15.0 | 15.0 | 18.0 | 14.0 | 15.0 | 13.0 | 22.0 | 24.0 | 26.0 | 23.0 | 17.0 | 19.0 | 14.0 | 13.0 | 10.0 | 15.0 | 10.0 | 12.0 | 15.0 | 15.0 | 16.3 | 26.0 | |
| 16 | 16.0 | 16.0 | 18.0 | 17.0 | 12.0 | 18.0 | 14.0 | 18.0 | 15.0 | 14.0 | 13.0 | 18.0 | 19.0 | 27.0 | 26.0 | 30.0 | 24.0 | 20.0 | 23.0 | 23.0 | 16.0 | 18.0 | 11.0 | 8.0 | 18.1 | 30.0 | |
| 17 | 16.0 | 16.0 | 10.0 | 8.0 | 5.0 | 3.0 | 1.0 | 0.0 | 1.0 | 2.0 | 5.0 | 18.0 | 3.0 | 6.0 | 6.0 | 2.0 | 0.0 | 0.0 | 0.0 | 2.0 | 4.0 | 5.0 | 4.0 | 6.0 | 5.1 | 18.0 | |
| 18 | 5.0 | 5.0 | 4.0 | 2.0 | 3.0 | 4.0 | 3.0 | 2.0 | 1.0 | 3.0 | 5.0 | 9.0 | 8.0 | 7.0 | 8.0 | 5.0 | 3.0 | 2.0 | 3.0 | 4.0 | 10.0 | 8.0 | 4.0 | 4.0 | 4.7 | 10.0 | |
| 19 | 8.0 | 5.0 | 5.0 | 6.0 | 6.0 | 4.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 6.0 | 8.0 | 6.0 | 7.0 | 4.0 | 7.0 | 11.0 | 8.0 | 3.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.1 | 11.0 | |
| 20 | 5.0 | 3.0 | 6.0 | 4.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 3.0 | 2.0 | 5.0 | 7.0 | 9.0 | 6.0 | 9.0 | 11.0 | 6.0 | 7.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 11.0 | |
| 21 | 1.0 | 5.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 2.0 | 5.0 | 4.0 | 5.0 | 4.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.8 | 5.0 | |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 3.0 | 3.0 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 1.0 | 2.0 | 2.0 | 1.0 | 2.0 | 6.0 | 6.0 | 1.5 | 6.0 | |
| 23 | 5.0 | 3.0 | 0.0 | 10.0 | 6.0 | 1.0 | 4.0 | 3.0 | 5.0 | 4.0 | 1.0 | 4.0 | 4.0 | 4.0 | 56.0 | 0.0 | 31.0 | 59.0 | 24.0 | 5.0 | 7.0 | 6.0 | 4.0 | 2.0 | 10.3 | 59.0 | |
| 24 | 2.0 | 9.0 | 6.0 | 16.0 | 2.0 | 11.0 | 9.0 | 5.0 | 41.0 | 9.0 | 20.0 | 11.0 | 16.0 | 8.0 | 6.0 | 7.0 | 7.0 | 6.0 | 5.0 | 6.0 | 6.0 | 2.0 | 1.0 | 7.0 | 9.1 | 41.0 | |
| 25 | 5.0 | 5.0 | 3.0 | 2.0 | 3.0 | 2.0 | 0.0 | 0.0 | 1.0 | 6.0 | 6.0 | 26.0 | 66.0 | 61.0 | 43.0 | 40.0 | 28.0 | 22.0 | 12.0 | 17.0 | 0.0 | 20.0 | 15.0 | 11.0 | 16.4 | 66.0 | |
| 26 | 8.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 3.0 | 1.0 | 0.0 | 5.0 | 3.0 | 4.0 | 6.0 | 7.0 | 6.0 | 2.0 | 0.0 | 8.0 | 8.0 | 4.0 | 1.0 | 5.0 | 6.0 | 5.0 | 3.8 | 8.0 | |
| 27 | 8.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | C | 34.0 | 20.0 | 31.0 | 16.0 | 3.0 | 3.0 | 44.0 | 45.0 | 27.0 | 7.0 | 25.0 | 28.0 | 20.0 | 25.0 | 26.0 | 16.0 | 45.0 | |
| 28 | 8.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 6.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 8.0 | |
| 29 | 0.0 | 2.0 | 0.0 | 0.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 14.0 | 8.0 | 9.0 | 5.0 | 2.0 | 25.0 | 17.0 | 5.0 | 6.0 | 3.0 | 0.0 | 2.0 | 4.4 | 25.0 | |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 4.0 | 12.0 | 8.0 | 6.0 | 9.0 | 9.0 | 5.0 | 2.0 | 1.0 | 0.0 | 3.0 | 2.7 | 12.0 |
| 31 | 3.0 | 4.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 1.0 | 2.0 | 1.0 | 7.0 | 5.0 | 5.0 | 1.0 | 0.0 | 1.0 | 1.0 | 71.0 | 1.0 | 6.0 | 6.0 | 12.0 | 5.7 | 71.0 | |
| NO. | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 742 | 99.9% | |
| MEAN | 7.2 | 7.5 | 6.5 | 6.4 | 6.1 | 6.4 | 6.5 | 7.5 | 9.7 | 10.1 | 10.4 | 11.7 | 12.4 | 11.7 | 12.3 | 11.4 | 12.7 | 12.8 | 9.8 | 11.7 | 7.9 | 8.0 | 7.7 | 7.9 | 7.5 | | |
| MAX | 19.0 | 21.0 | 20.0 | 19.0 | 20.0 | 19.0 | 21.0 | 27.0 | 47.0 | 50.0 | 47.0 | 37.0 | 66.0 | 61.0 | 56.0 | 46.0 | 45.0 | 59.0 | 33.0 | 71.0 | 35.0 | 29.0 | 25.0 | 26.0 | 17.4 | 70.0 | |



| | | |
|-----------------------------|------------|--------------------|
| Number of 24HR Exceedences | 0 | Proposed Guideline |
| Number of Non-Zero Readings | 656 | |
| Maximum 1-HR Average | 71.0 UG/M3 | |
| Maximum 24-HR Average | 25.6 UG/M3 | |
| Monthly Calibration | 1 | Operational Time |
| Standard Deviation | 9.7 | Operational Uptime |
| | | Monthly Average |
| | | 743 HRS |
| | | 99.9 % |
| | | 9.3 UG/M3 |

Windridge PM₁₀ (µg/m³) – August 2024

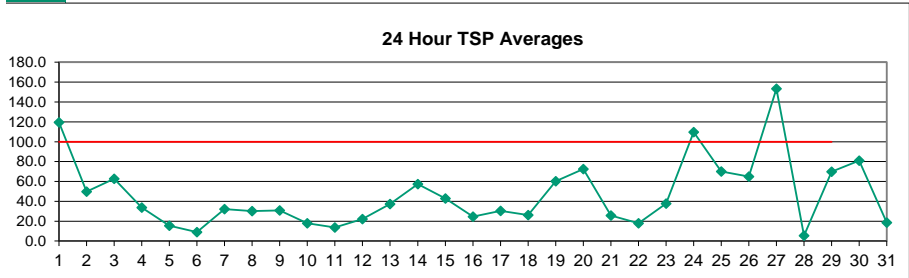
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|------|-------|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 19.0 | 35.0 | 9.0 | 18.0 | 44.0 | 18.0 | 32.0 | 124.0 | 45.0 | 103.0 | 113.0 | 100.0 | 95.0 | 84.0 | 83.0 | 81.0 | 72.0 | 101.0 | 110.0 | 179.0 | 71.0 | 18.0 | 33.0 | 26.0 | 67.2 | 179.0 |
| 2 | 27.0 | 13.0 | 25.0 | 23.0 | 20.0 | 23.0 | 45.0 | 80.0 | 78.0 | 35.0 | 30.0 | 30.0 | 42.0 | 33.0 | 30.0 | 21.0 | 22.0 | 24.0 | 51.0 | 37.0 | 39.0 | 48.0 | 34.0 | 32.0 | 35.1 | 80.0 |
| 3 | 19.0 | 27.0 | 54.0 | 54.0 | 25.0 | 29.0 | 33.0 | 75.0 | 42.0 | 85.0 | 58.0 | 81.0 | 48.0 | 58.0 | 31.0 | 125.0 | 44.0 | 25.0 | 28.0 | 24.0 | 19.0 | 19.0 | 24.0 | 17.0 | 43.5 | 125.0 |
| 4 | 18.0 | 24.0 | 26.0 | 14.0 | 42.0 | 22.0 | 32.0 | 27.0 | 38.0 | 56.0 | 31.0 | 22.0 | 20.0 | 18.0 | 13.0 | 21.0 | 45.0 | 31.0 | 34.0 | 29.0 | 27.0 | 34.0 | 27.0 | 24.0 | 28.1 | 56.0 |
| 5 | 21.0 | 8.0 | 10.0 | 13.0 | 17.0 | 20.0 | 25.0 | 17.0 | 15.0 | 13.0 | 8.0 | 17.0 | 15.0 | 17.0 | 23.0 | 19.0 | 12.0 | 11.0 | 52.0 | 21.0 | 6.0 | 6.0 | 8.0 | 7.0 | 15.9 | 52.0 |
| 6 | 5.0 | 4.0 | 6.0 | 4.0 | 11.0 | 11.0 | 9.0 | 11.0 | 14.0 | 15.0 | 23.0 | 13.0 | 14.0 | 10.0 | 6.0 | 4.0 | 4.0 | 6.0 | 4.0 | 2.0 | 2.0 | 9.0 | 6.0 | 5.0 | 8.3 | 23.0 |
| 7 | 4.0 | 6.0 | 6.0 | 4.0 | 7.0 | 8.0 | 10.0 | 29.0 | 48.0 | 56.0 | 61.0 | 43.0 | 39.0 | 48.0 | 47.0 | 50.0 | 46.0 | 38.0 | 37.0 | 43.0 | 35.0 | 41.0 | 26.0 | 30.0 | 31.8 | 61.0 |
| 8 | 24.0 | 28.0 | 22.0 | 23.0 | 23.0 | 27.0 | 26.0 | 30.0 | 29.0 | 45.0 | 45.0 | 39.0 | 35.0 | 28.0 | 25.0 | 23.0 | 22.0 | 20.0 | 25.0 | 23.0 | 21.0 | 23.0 | 26.0 | 26.0 | 27.3 | 45.0 |
| 9 | 27.0 | 36.0 | 21.0 | 17.0 | 23.0 | 23.0 | 51.0 | 38.0 | 32.0 | 40.0 | 53.0 | 26.0 | 21.0 | 24.0 | 23.0 | 17.0 | 15.0 | 15.0 | 14.0 | 10.0 | 18.0 | 12.0 | 16.0 | 13.0 | 24.4 | 53.0 |
| 10 | 17.0 | 17.0 | 11.0 | 18.0 | 25.0 | 62.0 | 26.0 | 24.0 | 20.0 | 19.0 | 21.0 | 25.0 | 20.0 | 22.0 | X | 11.0 | 33.0 | 18.0 | 7.0 | 6.0 | 8.0 | 9.0 | 11.0 | 9.0 | 19.1 | 62.0 |
| 11 | 9.0 | 13.0 | 9.0 | 7.0 | 6.0 | 4.0 | 4.0 | 14.0 | 8.0 | 12.0 | 24.0 | 11.0 | 29.0 | 15.0 | 11.0 | 41.0 | 25.0 | 15.0 | 10.0 | 18.0 | 11.0 | 11.0 | 15.0 | 11.0 | 13.9 | 41.0 |
| 12 | 9.0 | 9.0 | 13.0 | 9.0 | 10.0 | 8.0 | 14.0 | 25.0 | 26.0 | 24.0 | 18.0 | 25.0 | 27.0 | 18.0 | 19.0 | 20.0 | 11.0 | 49.0 | 39.0 | 10.0 | 11.0 | 7.0 | 6.0 | 9.0 | 17.3 | 49.0 |
| 13 | 6.0 | 8.0 | 6.0 | 6.0 | 6.0 | 4.0 | 10.0 | 14.0 | 15.0 | 24.0 | 20.0 | 47.0 | 62.0 | 43.0 | 55.0 | 64.0 | 55.0 | 84.0 | 65.0 | 7.0 | 16.0 | 12.0 | 14.0 | 14.0 | 27.4 | 84.0 |
| 14 | 14.0 | 14.0 | 19.0 | 17.0 | 24.0 | 22.0 | 30.0 | 34.0 | 34.0 | 38.0 | 56.0 | 46.0 | 57.0 | 53.0 | 78.0 | 93.0 | 84.0 | 89.0 | 105.0 | 29.0 | 20.0 | 18.0 | 26.0 | 27.0 | 42.8 | 105.0 |
| 15 | 23.0 | 39.0 | 41.0 | 19.0 | 25.0 | 22.0 | 41.0 | 53.0 | 38.0 | 47.0 | 49.0 | 52.0 | 52.0 | 48.0 | 24.0 | 31.0 | 24.0 | 26.0 | 20.0 | 28.0 | 28.0 | 24.0 | 23.0 | 23.0 | 33.3 | 53.0 |
| 16 | 23.0 | 23.0 | 23.0 | 26.0 | 25.0 | 27.0 | 22.0 | 23.0 | 22.0 | 18.0 | 23.0 | 27.0 | 33.0 | 33.0 | 30.0 | 33.0 | 30.0 | 29.0 | 35.0 | 27.0 | 26.0 | 22.0 | 16.0 | 23.0 | 25.8 | 35.0 |
| 17 | 22.0 | 23.0 | 13.0 | 16.0 | 10.0 | 8.0 | 11.0 | 14.0 | 10.0 | 6.0 | 50.0 | 70.0 | 53.0 | 27.0 | 42.0 | 39.0 | 39.0 | 13.0 | 9.0 | 10.0 | 11.0 | 11.0 | 12.0 | 7.0 | 21.9 | 70.0 |
| 18 | 14.0 | 40.0 | 48.0 | 18.0 | 9.0 | 16.0 | 15.0 | 16.0 | 19.0 | 21.0 | 34.0 | 25.0 | 24.0 | 23.0 | 19.0 | 20.0 | 17.0 | 17.0 | 21.0 | 18.0 | 17.0 | 15.0 | 11.0 | 15.0 | 20.5 | 48.0 |
| 19 | 20.0 | 25.0 | 17.0 | 16.0 | 17.0 | 17.0 | 15.0 | 32.0 | 42.0 | 36.0 | 37.0 | 32.0 | 89.0 | 77.0 | 77.0 | 74.0 | 90.0 | 69.0 | 36.0 | 36.0 | 16.0 | 28.0 | 11.0 | 12.0 | 38.4 | 90.0 |
| 20 | 17.0 | 14.0 | 126.0 | 26.0 | 10.0 | 7.0 | 6.0 | 14.0 | 12.0 | 14.0 | 12.0 | 58.0 | 83.0 | 99.0 | 65.0 | 152.0 | 90.0 | 23.0 | 58.0 | 36.0 | 9.0 | 11.0 | 7.0 | 3.0 | 39.7 | 152.0 |
| 21 | 5.0 | 5.0 | 4.0 | 2.0 | 2.0 | 3.0 | 17.0 | 27.0 | 21.0 | 13.0 | 10.0 | 17.0 | 14.0 | 21.0 | 55.0 | 61.0 | 69.0 | 52.0 | 21.0 | 2.0 | 5.0 | 6.0 | 4.0 | 6.0 | 18.4 | 69.0 |
| 22 | 6.0 | 7.0 | 5.0 | 4.0 | 19.0 | 32.0 | 25.0 | 28.0 | 32.0 | 26.0 | 11.0 | 14.0 | 12.0 | 10.0 | 8.0 | 15.0 | 18.0 | 13.0 | 13.0 | 10.0 | 9.0 | 9.0 | 11.0 | 15.0 | 14.7 | 32.0 |
| 23 | 17.0 | 12.0 | 12.0 | 9.0 | 25.0 | 20.0 | 30.0 | 30.0 | 26.0 | 43.0 | 39.0 | 42.0 | 21.0 | 27.0 | 26.0 | 19.0 | 16.0 | 21.0 | 23.0 | 23.0 | 34.0 | 24.0 | 84.0 | 9.0 | 26.3 | 84.0 |
| 24 | 27.0 | 38.0 | 17.0 | 21.0 | 11.0 | 27.0 | 39.0 | 99.0 | 69.0 | 153.0 | 151.0 | 126.0 | 112.0 | 51.0 | 56.0 | 42.0 | 86.0 | 65.0 | 64.0 | 82.0 | 92.0 | 97.0 | 101.0 | 99.0 | 71.9 | 153.0 |
| 25 | 86.0 | 78.0 | 62.0 | 68.0 | 27.0 | 27.0 | 11.0 | 7.0 | 29.0 | 65.0 | 65.0 | 31.0 | 37.0 | 53.0 | 60.0 | 59.0 | 46.0 | 70.0 | 79.0 | 77.0 | 2.0 | 3.0 | 6.0 | 5.0 | 43.9 | 86.0 |
| 26 | 7.0 | 7.0 | 6.0 | 7.0 | 5.0 | 6.0 | 9.0 | 17.0 | 9.0 | 44.0 | 56.0 | 39.0 | 55.0 | 78.0 | 39.0 | 19.0 | 33.0 | 78.0 | 92.0 | 34.0 | 41.0 | 80.0 | 89.0 | 80.0 | 38.8 | 92.0 |
| 27 | 65.0 | 26.0 | 16.0 | 36.0 | 7.0 | 47.0 | 51.0 | 96.0 | C | 448.0 | 267.0 | 106.0 | 57.0 | 94.0 | 77.0 | 117.0 | 376.0 | 109.0 | 74.0 | 86.0 | 67.0 | 87.0 | 88.0 | 44.0 | 106.1 | 448.0 |
| 28 | 45.0 | 22.0 | 19.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 6.0 | 5.0 | 1.0 | 1.0 | 6.0 | 3.0 | 0.0 | 4.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 6.0 | 5.8 | 45.0 |
| 29 | 2.0 | 1.0 | 4.0 | 6.0 | 3.0 | 3.0 | 3.0 | 2.0 | 5.0 | 22.0 | 75.0 | 105.0 | 62.0 | 95.0 | 37.0 | 28.0 | 121.0 | 145.0 | 99.0 | 83.0 | 26.0 | 46.0 | 12.0 | 13.0 | 41.6 | 145.0 |
| 30 | 10.0 | 5.0 | 6.0 | 6.0 | 4.0 | 4.0 | 10.0 | 8.0 | 8.0 | 11.0 | 16.0 | 11.0 | 50.0 | 120.0 | 229.0 | 154.0 | 89.0 | 131.0 | 134.0 | 46.0 | 17.0 | 15.0 | 9.0 | 16.0 | 46.2 | 229.0 |
| 31 | 12.0 | 13.0 | 12.0 | 11.0 | 10.0 | 19.0 | 12.0 | 14.0 | 16.0 | 12.0 | 14.0 | 27.0 | 13.0 | 13.0 | 10.0 | 10.0 | 10.0 | 7.0 | 10.0 | 14.0 | 11.0 | 11.0 | 12.0 | 22.0 | 13.1 | 27.0 |
| NO. | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 742 | 99.9% |
| MEAN | 20.0 | 20.0 | 21.5 | 16.8 | 16.0 | 18.4 | 21.5 | 33.1 | 26.9 | 50.0 | 47.5 | 42.2 | 41.8 | 43.3 | 43.3 | 47.3 | 53.1 | 45.0 | 44.0 | 33.9 | 23.2 | 24.4 | 24.7 | 20.9 | 42.0 | |
| MAX | 86.0 | 78.0 | 126.0 | 68.0 | 44.0 | 62.0 | 51.0 | 124.0 | 78.0 | 448.0 | 267.0 | 126.0 | 112.0 | 120.0 | 229.0 | 154.0 | 376.0 | 145.0 | 134.0 | 179.0 | 92.0 | 97.0 | 101.0 | 99.0 | 91.1 | 433.3 |



| | | | |
|-----------------------------|-------------|--------------------|------------|
| Number of Non-Zero Readings | 738 | | |
| Maximum 1-HR Average | 448.0 UG/M3 | | |
| Maximum 24-HR Average | 106.1 UG/M3 | | |
| Monthly Calibration | 1 | Operational Time | 743 HRS |
| Standard Deviation | 36.47 | Operational Uptime | 99.9 % |
| | | Monthly Average | 32.4 UG/M3 |

Windridge TSP ($\mu\text{g}/\text{m}^3$) – August 2024

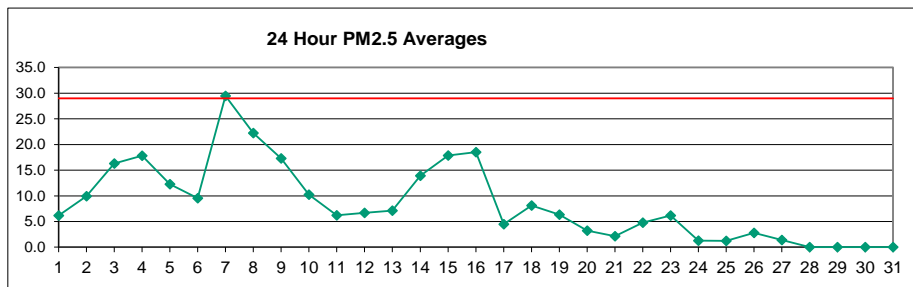
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|-------|-------|-------|-------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 32.0 | 52.0 | 16.0 | 19.0 | 73.0 | 18.0 | 34.0 | 256.0 | 71.0 | 211.0 | 217.0 | 181.0 | 169.0 | 149.0 | 153.0 | 137.0 | 132.0 | 194.0 | 218.0 | 316.0 | 115.0 | 24.0 | 46.0 | 33.0 | 119.4 | 316.0 |
| 2 | 38.0 | 19.0 | 21.0 | 29.0 | 23.0 | 31.0 | 89.0 | 131.0 | 92.0 | 47.0 | 40.0 | 45.0 | 52.0 | 55.0 | 47.0 | 37.0 | 28.0 | 30.0 | 87.0 | 40.0 | 59.0 | 63.0 | 50.0 | 43.0 | 49.8 | 131.0 |
| 3 | 25.0 | 47.0 | 74.0 | 78.0 | 28.0 | 27.0 | 41.0 | 124.0 | 50.0 | 157.0 | 110.0 | 174.0 | 67.0 | 81.0 | 47.0 | 175.0 | 47.0 | 27.0 | 24.0 | 27.0 | 18.0 | 16.0 | 24.0 | 14.0 | 62.6 | 175.0 |
| 4 | 26.0 | 23.0 | 29.0 | 19.0 | 41.0 | 29.0 | 39.0 | 21.0 | 41.0 | 108.0 | 38.0 | 27.0 | 28.0 | 24.0 | 20.0 | 30.0 | 46.0 | 34.0 | 41.0 | 31.0 | 26.0 | 32.0 | 29.0 | 27.0 | 33.7 | 108.0 |
| 5 | 16.0 | 12.0 | 8.0 | 15.0 | 17.0 | 18.0 | 25.0 | 15.0 | 14.0 | 12.0 | 13.0 | 16.0 | 21.0 | 25.0 | 27.0 | 27.0 | 16.0 | 12.0 | X | 12.0 | 7.0 | 11.0 | 9.0 | 5.0 | 15.3 | 27.0 |
| 6 | 7.0 | 8.0 | 8.0 | 7.0 | 10.0 | 14.0 | 9.0 | 12.0 | 13.0 | 23.0 | 19.0 | 16.0 | 15.0 | 11.0 | 11.0 | 4.0 | 0.0 | 3.0 | 2.0 | 5.0 | 5.0 | 7.0 | 5.0 | 3.0 | 9.0 | 23.0 |
| 7 | 1.0 | 7.0 | 5.0 | 2.0 | 6.0 | 6.0 | 10.0 | 34.0 | 47.0 | 54.0 | 49.0 | 48.0 | 36.0 | 46.0 | 54.0 | 55.0 | 40.0 | 41.0 | 41.0 | 41.0 | 39.0 | 48.0 | 39.0 | 25.0 | 32.3 | 55.0 |
| 8 | 29.0 | 23.0 | 25.0 | 22.0 | 20.0 | 22.0 | 31.0 | 30.0 | 34.0 | 55.0 | 64.0 | 38.0 | 44.0 | 28.0 | 28.0 | 26.0 | 26.0 | 23.0 | 21.0 | 26.0 | 36.0 | 25.0 | 22.0 | 24.0 | 30.1 | 64.0 |
| 9 | 28.0 | 46.0 | 24.0 | 20.0 | 20.0 | 26.0 | 79.0 | 47.0 | 40.0 | 54.0 | 73.0 | 38.0 | 23.0 | 23.0 | 27.0 | 24.0 | 22.0 | 23.0 | 15.0 | 16.0 | 19.0 | 16.0 | 22.0 | 13.0 | 30.8 | 79.0 |
| 10 | 10.0 | 19.0 | 17.0 | 17.0 | 24.0 | 17.0 | 28.0 | 29.0 | 26.0 | 25.0 | 35.0 | 27.0 | 23.0 | 28.0 | X | 10.0 | 28.0 | 11.0 | 7.0 | 6.0 | 5.0 | 4.0 | 7.0 | 10.0 | 18.0 | 35.0 |
| 11 | 7.0 | 4.0 | 11.0 | 7.0 | 4.0 | 6.0 | 5.0 | 14.0 | 8.0 | 23.0 | 36.0 | 11.0 | 40.0 | 25.0 | 9.0 | 10.0 | 17.0 | 18.0 | 10.0 | 19.0 | 8.0 | 12.0 | 10.0 | 13.0 | 13.6 | 40.0 |
| 12 | 15.0 | 7.0 | 7.0 | 9.0 | 13.0 | 8.0 | 11.0 | 36.0 | 35.0 | 31.0 | 32.0 | 30.0 | 42.0 | 18.0 | 22.0 | 30.0 | 10.0 | 80.0 | 58.0 | 16.0 | 7.0 | 6.0 | 5.0 | 6.0 | 22.3 | 80.0 |
| 13 | 6.0 | 5.0 | 3.0 | 4.0 | 9.0 | 6.0 | 7.0 | 11.0 | 19.0 | 20.0 | 30.0 | 69.0 | 82.0 | 55.0 | 85.0 | 104.0 | 78.0 | 132.0 | 106.0 | 12.0 | 13.0 | 10.0 | 11.0 | 16.0 | 37.2 | 132.0 |
| 14 | 10.0 | 10.0 | 18.0 | 18.0 | 22.0 | 22.0 | 27.0 | 38.0 | 38.0 | 46.0 | 73.0 | 58.0 | 79.0 | 83.0 | 128.0 | 165.0 | 108.0 | 147.0 | 184.0 | 19.0 | 21.0 | 15.0 | 27.0 | 20.0 | 57.3 | 184.0 |
| 15 | 26.0 | 45.0 | 47.0 | 23.0 | 31.0 | 17.0 | 45.0 | 72.0 | 51.0 | 63.0 | 65.0 | 66.0 | 63.0 | 59.0 | 32.0 | 46.0 | 41.0 | 33.0 | 25.0 | 46.0 | 32.0 | 31.0 | 35.0 | 33.0 | 42.8 | 72.0 |
| 16 | 23.0 | 21.0 | 23.0 | 25.0 | 24.0 | 23.0 | 17.0 | 27.0 | 20.0 | 21.0 | 20.0 | 28.0 | 28.0 | 31.0 | 28.0 | 32.0 | 24.0 | 27.0 | 32.0 | 26.0 | 24.0 | 24.0 | 15.0 | 27.0 | 24.6 | 32.0 |
| 17 | 19.0 | 21.0 | 16.0 | 13.0 | 13.0 | 7.0 | 6.0 | 12.0 | 8.0 | 6.0 | 78.0 | 112.0 | 87.0 | 50.0 | 68.0 | 67.0 | 61.0 | 14.0 | 16.0 | 8.0 | 11.0 | 11.0 | 7.0 | 16.0 | 30.3 | 112.0 |
| 18 | 15.0 | 49.0 | 71.0 | 27.0 | 11.0 | 21.0 | 20.0 | 17.0 | 30.0 | 26.0 | 50.0 | 31.0 | 29.0 | 27.0 | 23.0 | 28.0 | 24.0 | 24.0 | 29.0 | 21.0 | 15.0 | 19.0 | 9.0 | 14.0 | 26.3 | 71.0 |
| 19 | 27.0 | 23.0 | 20.0 | 17.0 | 18.0 | 17.0 | 24.0 | 40.0 | 70.0 | 60.0 | 60.0 | 61.0 | 151.0 | 116.0 | 134.0 | 128.0 | 164.0 | 121.0 | 65.0 | 25.0 | 17.0 | 61.0 | 14.0 | 14.0 | 60.3 | 164.0 |
| 20 | 33.0 | 22.0 | 219.0 | 50.0 | 9.0 | 6.0 | 6.0 | 16.0 | 17.0 | 11.0 | 26.0 | 114.0 | 160.0 | 200.0 | 130.0 | 295.0 | 174.0 | 45.0 | 107.0 | 62.0 | 26.0 | 5.0 | 3.0 | 4.0 | 72.5 | 295.0 |
| 21 | 3.0 | 8.0 | 5.0 | 3.0 | 6.0 | 11.0 | 24.0 | 47.0 | 28.0 | 9.0 | 8.0 | 17.0 | 15.0 | 21.0 | 80.0 | 105.0 | 99.0 | 82.0 | 38.0 | 3.0 | 1.0 | 2.0 | 2.0 | 1.0 | 25.8 | 105.0 |
| 22 | 2.0 | 2.0 | 3.0 | 7.0 | 24.0 | 37.0 | 26.0 | 29.0 | 47.0 | 34.0 | 15.0 | 15.0 | 15.0 | 14.0 | 13.0 | 23.0 | 24.0 | 17.0 | 18.0 | 15.0 | 8.0 | 9.0 | 20.0 | 13.0 | 17.9 | 47.0 |
| 23 | 18.0 | 18.0 | 19.0 | 14.0 | 32.0 | 26.0 | 43.0 | 52.0 | 30.0 | 79.0 | 74.0 | 64.0 | 45.0 | 52.0 | 48.0 | 33.0 | 27.0 | 30.0 | 35.0 | 39.0 | 53.0 | 42.0 | 25.0 | 7.0 | 37.7 | 79.0 |
| 24 | 29.0 | 42.0 | 15.0 | 17.0 | 6.0 | 36.0 | 75.0 | 124.0 | 67.0 | 248.0 | 268.0 | 190.0 | 140.0 | 87.0 | 91.0 | 69.0 | 129.0 | 103.0 | 92.0 | 126.0 | 138.0 | 165.0 | 197.0 | 181.0 | 109.8 | 8.0 |
| 25 | 135.0 | 144.0 | 111.0 | 107.0 | 34.0 | 27.0 | 13.0 | 13.0 | 43.0 | 96.0 | 91.0 | 57.0 | 61.0 | 79.0 | 87.0 | 85.0 | 70.0 | 136.0 | 132.0 | 136.0 | 6.0 | 4.0 | 5.0 | 8.0 | 70.0 | 144.0 |
| 26 | 6.0 | 7.0 | 8.0 | 7.0 | 7.0 | 5.0 | 5.0 | 22.0 | 15.0 | 63.0 | 94.0 | 72.0 | 93.0 | 126.0 | 48.0 | 34.0 | 58.0 | 148.0 | 171.0 | 68.0 | 72.0 | 137.0 | 157.0 | 137.0 | 65.0 | 171.0 |
| 27 | 107.0 | 41.0 | 34.0 | 78.0 | 17.0 | 99.0 | 94.0 | 191.0 | C | 404.0 | 397.0 | 192.0 | 80.0 | 159.0 | 142.0 | 206.0 | 464.0 | 155.0 | 106.0 | 129.0 | 108.0 | 131.0 | 121.0 | 74.0 | 153.4 | 464.0 |
| 28 | 57.0 | 23.0 | 11.0 | 7.0 | 2.0 | 0.0 | 0.0 | 1.0 | 3.0 | 1.0 | 0.0 | 3.0 | 5.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 0.0 | 6.0 | 3.0 | 0.0 | 1.0 | 5.5 | 57.0 |
| 29 | 1.0 | 3.0 | 3.0 | 3.0 | 1.0 | 0.0 | 0.0 | 7.0 | 8.0 | 33.0 | 112.0 | 165.0 | 103.0 | 159.0 | 72.0 | 55.0 | 178.0 | 245.0 | 205.0 | 179.0 | 38.0 | 80.0 | 12.0 | 13.0 | 69.8 | 245.0 |
| 30 | 10.0 | 6.0 | 5.0 | 9.0 | 6.0 | 5.0 | 4.0 | 11.0 | 11.0 | 10.0 | 21.0 | 19.0 | 78.0 | 233.0 | 431.0 | 284.0 | 155.0 | 235.0 | 236.0 | 79.0 | 27.0 | 26.0 | 22.0 | 22.0 | 81.0 | 431.0 |
| 31 | 29.0 | 17.0 | 13.0 | 11.0 | 10.0 | 21.0 | 6.0 | 17.0 | 17.0 | 17.0 | 21.0 | 53.0 | 25.0 | 22.0 | 19.0 | 22.0 | 14.0 | 13.0 | 19.0 | 13.0 | 12.0 | 8.0 | 17.0 | 29.0 | 18.5 | 53.0 |
| NO. | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 741 | 99.7% |
| MEAN | 25.5 | 25.0 | 28.7 | 22.1 | 18.1 | 19.6 | 27.2 | 48.3 | 33.1 | 66.0 | 71.9 | 65.7 | 61.3 | 67.4 | 70.2 | 75.7 | 74.4 | 71.1 | 71.4 | 50.4 | 31.4 | 33.8 | 31.2 | 27.3 | | |
| MAX | 135.0 | 144.0 | 219.0 | 107.0 | 73.0 | 99.0 | 94.0 | 256.0 | 92.0 | 404.0 | 397.0 | 192.0 | 169.0 | 233.0 | 431.0 | 295.0 | 464.0 | 245.0 | 236.0 | 316.0 | 138.0 | 165.0 | 197.0 | 181.0 | | |



| | | |
|-----------------------------|-------------|----------------------------|
| Number of 24HR Exceedences | 3 | Proposed Guideline |
| Number of Non-Zero Readings | 733 | |
| Maximum 1-HR Average | 464.0 UG/M3 | |
| Maximum 24-HR Average | 153.4 UG/M3 | |
| IZS Calibration Time | | Operational Time 742 HRS |
| Down Time | 0 | Operational Uptime 99.7 % |
| Standard Deviation | 58.3 | Monthly Average 46.5 UG/M3 |

West PM_{2.5} (µg/m³) – August 2024

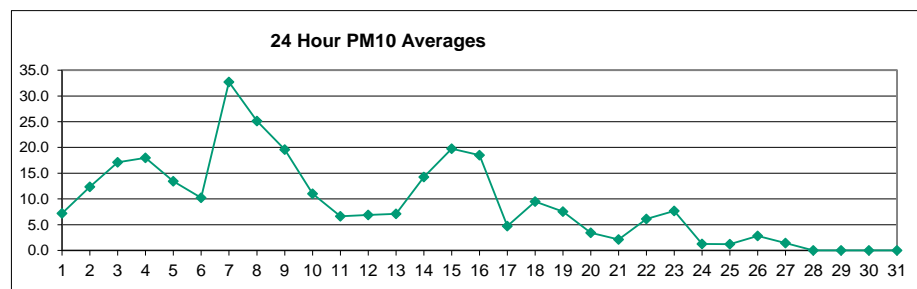
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 1 | 7.9 | 6.9 | 9.5 | 9.6 | 9.6 | 7.9 | 7.3 | 7.1 | 6.4 | 6.3 | 9.3 | 3.9 | 2.8 | 3.0 | 3.2 | 3.2 | 3.2 | 2.8 | 3.2 | 4.3 | 5.4 | 8.8 | 8.5 | 7.9 | 6.2 | 9.6 | |
| 2 | 8.5 | 8.9 | 8.4 | 8.5 | 8.1 | 8.3 | 8.5 | 10.9 | 11.5 | 8.8 | 8.5 | 8.3 | 10.5 | 13.7 | 13.7 | 12.8 | 11.6 | 11.5 | 7.9 | 7.4 | 9.5 | 10.2 | 11.0 | 12.1 | 10.0 | 13.7 | |
| 3 | 14.4 | 14.4 | 14.0 | 14.1 | 14.0 | 14.4 | 15.3 | 16.4 | 16.9 | 14.1 | 12.6 | 11.7 | 13.6 | 10.9 | 10.7 | 12.8 | 24.4 | 31.2 | 19.0 | 18.7 | 16.4 | 17.3 | 23.5 | 21.3 | 16.3 | 31.2 | |
| 4 | 16.3 | 15.0 | 16.0 | 15.2 | 16.1 | 15.8 | 15.6 | 15.7 | 14.9 | 15.3 | 15.9 | 17.3 | 15.0 | 10.1 | 10.8 | 13.3 | 21.2 | 22.0 | 20.6 | 18.9 | 17.6 | 27.3 | 30.2 | 31.8 | 17.8 | 31.8 | |
| 5 | 21.4 | 14.2 | 12.8 | 8.8 | 10.9 | 12.3 | 13.4 | 15.2 | 14.2 | 16.5 | 12.8 | 11.7 | 10.8 | 15.8 | 15.2 | 14.4 | 12.2 | 10.9 | 12.2 | 11.6 | 7.8 | 6.4 | 5.8 | 7.7 | 12.3 | 21.4 | |
| 6 | 12.7 | 10.8 | 9.8 | 11.8 | 11.6 | 8.5 | 12.0 | 14.2 | 18.4 | 15.8 | 14.8 | 13.7 | 12.0 | 6.6 | 7.7 | 4.4 | 7.8 | 5.4 | 6.7 | 7.1 | 6.2 | 4.7 | 4.1 | 1.9 | 9.5 | 18.4 | |
| 7 | 3.5 | 4.3 | 6.7 | 4.7 | 7.3 | 9.1 | 9.3 | 25.0 | 32.1 | 38.7 | 50.6 | 44.2 | 44.2 | 47.5 | 52.5 | 55.9 | 49.7 | 43.0 | 32.8 | 35.7 | 39.4 | 27.4 | 20.3 | 23.8 | 29.5 | 55.9 | |
| 8 | 26.4 | 21.0 | 15.2 | 14.8 | 16.1 | 15.4 | 14.9 | 15.2 | 17.0 | 18.8 | 30.4 | 30.9 | 24.1 | 25.0 | 24.0 | 21.9 | 21.2 | 20.8 | 20.8 | 25.4 | 23.3 | 29.2 | 30.7 | 31.1 | 22.2 | 31.1 | |
| 9 | 33.1 | 33.4 | 20.0 | 16.5 | 16.6 | 16.3 | 16.7 | 17.5 | 18.6 | 18.2 | 23.8 | 19.7 | 15.1 | 12.5 | 12.6 | 11.9 | 11.6 | 10.9 | 11.0 | 13.3 | 14.3 | 16.1 | 17.2 | 17.8 | 17.3 | 33.4 | |
| 10 | 17.1 | 13.3 | 11.4 | 11.5 | 11.9 | 12.4 | 11.7 | 10.8 | 11.8 | 12.3 | 11.6 | 13.4 | 11.8 | 10.8 | 13.3 | 9.8 | 9.2 | 6.0 | 5.9 | 5.6 | 6.1 | 6.2 | 5.9 | 6.4 | 10.3 | 17.1 | |
| 11 | 6.5 | 5.8 | 5.3 | 5.1 | 4.9 | 4.9 | 5.2 | 5.4 | 5.6 | 5.4 | 5.5 | 5.0 | 4.3 | 4.4 | 3.7 | 3.0 | 7.5 | 6.9 | 6.8 | 8.7 | 9.7 | 10.0 | 10.0 | 9.3 | 6.2 | 10.0 | |
| 12 | 6.7 | 6.0 | 5.9 | 6.0 | 6.2 | 6.3 | 7.7 | 9.7 | 9.7 | 7.2 | 7.0 | 6.8 | 5.8 | 8.5 | 10.6 | 9.4 | 6.7 | 5.6 | 4.5 | 5.0 | 4.9 | 5.1 | 4.9 | 5.0 | 6.7 | 10.6 | |
| 13 | 5.2 | 5.2 | 5.3 | 5.4 | 5.6 | 5.5 | 6.2 | 6.0 | 7.3 | 6.6 | 6.7 | 7.6 | 8.1 | 8.0 | 7.5 | 9.4 | 7.5 | 5.1 | 4.9 | 7.2 | 11.9 | 9.2 | 9.5 | 9.6 | 7.1 | 11.9 | |
| 14 | 10.2 | 11.1 | 11.6 | 12.1 | 11.8 | 12.0 | 13.3 | 13.2 | 13.6 | 13.1 | 13.9 | 17.1 | 18.6 | 14.3 | 9.9 | 9.6 | 8.9 | 8.5 | 8.9 | 15.4 | 21.1 | 23.2 | 25.2 | 17.7 | 13.9 | 25.2 | |
| 15 | 16.4 | 15.2 | 13.8 | 12.9 | 12.7 | 13.7 | 15.0 | 15.0 | 14.9 | 13.8 | 15.9 | 29.8 | 32.5 | 26.8 | 21.6 | 24.1 | 17.6 | 12.8 | 15.2 | 15.9 | 20.4 | 20.5 | 15.7 | 16.5 | 17.9 | 32.5 | |
| 16 | 20.2 | 23.8 | 24.5 | 25.9 | 20.9 | 20.1 | 23.8 | 20.4 | 19.2 | 26.7 | 17.9 | 16.0 | 15.1 | 17.8 | 24.7 | 24.1 | 19.8 | 13.7 | 14.6 | 13.4 | 11.9 | 11.5 | 8.8 | 9.4 | 18.5 | 26.7 | |
| 17 | 10.9 | 9.7 | 8.5 | 7.7 | 5.9 | 4.7 | 3.6 | 3.3 | 2.7 | 2.5 | 2.1 | 1.5 | 1.3 | 1.2 | 1.3 | 1.3 | 1.5 | 1.8 | 2.1 | 3.8 | 7.8 | 7.1 | 7.5 | 7.2 | 4.5 | 10.9 | |
| 18 | 4.6 | 4.9 | 4.2 | 4.3 | 3.8 | 4.1 | 4.2 | 5.9 | 5.6 | 6.7 | 9.9 | 12.1 | 13.7 | 12.4 | 10.5 | 9.5 | 7.2 | 7.2 | 6.6 | 8.4 | 12.0 | 13.9 | 13.4 | 9.6 | 8.1 | 13.9 | |
| 19 | 8.1 | 8.5 | 7.9 | 8.2 | 7.4 | 7.3 | 7.4 | 7.9 | 7.1 | 7.2 | 6.2 | 5.0 | 4.8 | 4.4 | 4.1 | 4.1 | 3.9 | 4.1 | 4.0 | 6.6 | 8.2 | 6.8 | 6.4 | 7.2 | 6.4 | 8.5 | |
| 20 | 6.3 | 7.1 | 3.9 | 2.0 | 1.7 | 1.5 | 2.7 | 3.4 | 3.2 | 3.3 | 4.7 | 4.5 | 2.9 | 2.7 | 2.7 | 2.6 | 2.2 | 1.6 | 1.8 | 2.4 | 3.0 | 3.5 | 3.4 | 4.6 | 3.2 | 7.1 | |
| 21 | 3.1 | 3.0 | 2.6 | 2.6 | 2.7 | 2.7 | 3.1 | 4.3 | 3.9 | 2.8 | 2.2 | 1.6 | 1.5 | 1.5 | 1.5 | 1.2 | 1.0 | 1.0 | 1.2 | 1.6 | 1.4 | 1.5 | 1.6 | 1.6 | 2.1 | 4.3 | |
| 22 | 1.7 | 1.7 | 1.5 | 1.5 | 1.6 | 1.7 | 1.6 | 2.6 | 3.1 | 4.9 | 8.3 | 7.8 | 7.0 | 7.1 | 5.3 | 6.3 | 6.9 | 6.7 | 5.6 | 8.8 | 7.7 | 5.9 | 4.9 | 4.6 | 4.8 | 8.8 | |
| 23 | 4.5 | 4.4 | 4.1 | 4.1 | 4.0 | 4.0 | 4.6 | 5.1 | 5.4 | 5.6 | 5.3 | 5.8 | 7.7 | 8.5 | 11.1 | 10.0 | 7.0 | 9.7 | 8.1 | 8.4 | 6.9 | 7.3 | 4.7 | 1.9 | 6.2 | 11.1 | |
| 24 | 2.0 | 1.9 | 1.3 | 2.1 | 2.9 | 3.0 | 2.5 | 1.9 | 1.6 | 1.8 | 1.8 | 1.5 | 1.4 | 1.0 | 0.9 | 0.5 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 1.3 | 3.0 | |
| 25 | 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.5 | 2.1 | 1.4 | 1.9 | 1.5 | 2.0 | 2.4 | 2.5 | 3.2 | 2.6 | 1.2 | 3.2 | |
| 26 | 2.7 | 3.1 | 3.2 | 3.0 | 3.2 | 3.4 | 4.9 | 4.6 | 3.9 | 3.3 | 2.9 | 2.6 | 2.4 | 2.2 | 1.8 | 1.8 | 2.0 | 2.2 | 2.4 | 2.5 | 2.6 | 2.5 | 2.1 | 1.9 | 2.8 | 4.9 | |
| 27 | 1.8 | 2.2 | 1.4 | 1.5 | 1.8 | 1.6 | 2.5 | 2.8 | 1.9 | 1.8 | 2.3 | 2.3 | 1.1 | 0.7 | 0.8 | 1.5 | 2.3 | 0.5 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.8 | 1.4 | 2.8 | |
| 28 | 0.8 | 0.7 | 0.4 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 29 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 30 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 31 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| NO. | 28 | 28 | 28 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 651 | 88% | |
| MEAN | 9.8 | 9.2 | 8.2 | 8.1 | 8.1 | 8.0 | 8.7 | 9.6 | 10.0 | 10.3 | 11.2 | 11.2 | 10.7 | 10.3 | 10.5 | 10.4 | 10.2 | 9.4 | 8.5 | 9.6 | 10.3 | 10.5 | 10.3 | 10.1 | | | |
| MAX | 33.1 | 33.4 | 24.5 | 25.9 | 20.9 | 20.1 | 23.8 | 25.0 | 32.1 | 38.7 | 50.6 | 44.2 | 44.2 | 47.5 | 52.5 | 55.9 | 49.7 | 43.0 | 32.8 | 35.7 | 39.4 | 29.2 | 30.7 | 31.8 | | | |



| | | |
|-----------------------------|------------|--------------------|
| Number of 24HR Exceedences | 1 | Proposed Guideline |
| Number of Non-Zero Readings | 651 | |
| Maximum 1-HR Average | 55.9 UG/M3 | |
| Maximum 24-HR Average | 29.5 UG/M3 | |
| IZS Calibration Time | | Operational Time |
| Down Time | 0 | Operational Uptime |
| Standard Deviation | 8.499 | Monthly Average |
| | | 651 HRS |
| | | 87.5 % |
| | | 9.7 UG/M3 |

West PM₁₀ (µg/m³) – August 2024

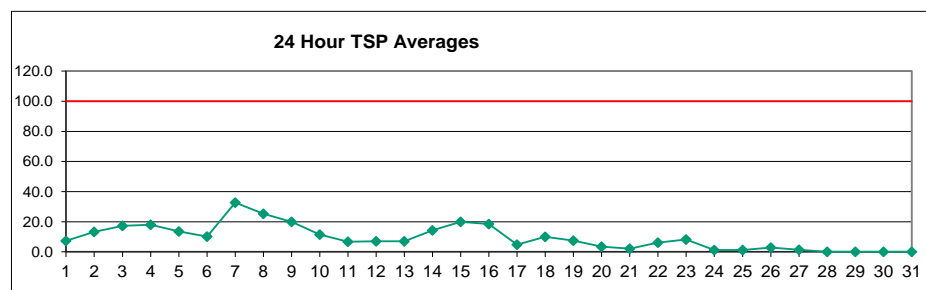
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 10.3 | 8.5 | 12.8 | 12.4 | 11.8 | 10.2 | 8.0 | 8.5 | 7.9 | 7.6 | 13.7 | 4.5 | 2.8 | 3.0 | 3.2 | 3.2 | 2.8 | 3.2 | 4.3 | 5.4 | 8.8 | 8.5 | 7.9 | 7.2 | 13.7 | |
| 2 | 8.5 | 8.9 | 8.4 | 8.5 | 8.1 | 8.3 | 8.5 | 11.0 | 14.4 | 10.8 | 10.4 | 10.6 | 14.5 | 19.8 | 19.8 | 17.8 | 16.7 | 16.8 | 11.4 | 8.9 | 11.1 | 13.0 | 14.3 | 15.8 | 12.3 | 19.8 |
| 3 | 16.2 | 14.4 | 14.0 | 14.1 | 14.0 | 14.4 | 15.3 | 16.4 | 16.9 | 14.1 | 12.6 | 11.7 | 17.3 | 13.9 | 13.7 | 15.8 | 24.5 | 32.8 | 19.0 | 18.7 | 16.4 | 17.3 | 26.2 | 21.3 | 17.1 | 32.8 |
| 4 | 16.3 | 15.0 | 16.0 | 15.2 | 16.1 | 15.8 | 15.6 | 15.7 | 14.9 | 15.3 | 15.9 | 17.4 | 16.2 | 10.1 | 13.7 | 13.3 | 21.2 | 22.0 | 20.6 | 18.9 | 17.6 | 27.3 | 30.2 | 31.8 | 18.0 | 31.8 |
| 5 | 23.9 | 17.5 | 13.0 | 8.8 | 10.9 | 12.3 | 13.4 | 15.2 | 15.6 | 18.9 | 13.5 | 11.7 | 10.8 | 20.0 | 19.1 | 18.2 | 15.7 | 11.0 | 13.3 | 11.6 | 7.8 | 6.4 | 5.8 | 7.7 | 13.4 | 23.9 |
| 6 | 12.7 | 10.8 | 9.8 | 12.5 | 11.6 | 8.5 | 12.0 | 14.2 | 19.2 | 16.2 | 16.2 | 17.7 | 15.1 | 6.8 | 11.0 | 4.9 | 9.6 | 5.4 | 7.0 | 7.1 | 6.2 | 4.7 | 4.3 | 1.9 | 10.2 | 19.2 |
| 7 | 3.5 | 4.3 | 6.7 | 4.7 | 7.3 | 9.1 | 9.3 | 25.0 | 32.1 | 38.7 | 50.6 | 44.2 | 54.9 | 63.8 | 68.2 | 67.0 | 65.0 | 51.6 | 32.8 | 35.7 | 39.4 | 27.4 | 20.3 | 23.8 | 32.7 | 68.2 |
| 8 | 26.4 | 21.0 | 15.2 | 14.8 | 16.1 | 15.4 | 14.9 | 15.2 | 17.0 | 18.8 | 32.4 | 37.1 | 24.1 | 33.5 | 31.7 | 28.3 | 27.4 | 27.0 | 25.2 | 28.5 | 23.3 | 31.8 | 38.0 | 40.3 | 25.1 | 40.3 |
| 9 | 36.5 | 38.6 | 20.0 | 16.5 | 16.6 | 16.3 | 16.7 | 17.5 | 18.6 | 18.2 | 23.8 | 24.9 | 19.9 | 15.1 | 15.9 | 14.9 | 15.0 | 14.2 | 14.2 | 16.5 | 15.4 | 21.0 | 21.7 | 21.9 | 19.6 | 38.6 |
| 10 | 21.9 | 13.3 | 11.4 | 11.5 | 11.9 | 12.4 | 11.7 | 10.8 | 11.8 | 12.3 | 11.6 | 15.5 | 14.7 | 13.9 | 18.8 | 9.8 | 9.2 | 6.0 | 5.9 | 5.6 | 6.1 | 6.2 | 5.9 | 6.4 | 11.0 | 21.9 |
| 11 | 6.5 | 5.8 | 5.3 | 5.1 | 4.9 | 4.9 | 5.2 | 5.4 | 5.6 | 5.4 | 5.5 | 5.0 | 4.3 | 4.4 | 3.7 | 3.0 | 10.6 | 9.3 | 7.1 | 11.0 | 12.0 | 10.0 | 10.0 | 9.3 | 6.6 | 12.0 |
| 12 | 6.7 | 6.0 | 5.9 | 6.0 | 6.2 | 6.3 | 7.7 | 9.8 | 9.9 | 7.2 | 7.0 | 6.8 | 5.8 | 9.4 | 13.2 | 10.1 | 6.7 | 5.6 | 4.5 | 5.0 | 4.9 | 5.1 | 4.9 | 5.0 | 6.9 | 13.2 |
| 13 | 5.2 | 5.2 | 5.3 | 5.4 | 5.6 | 5.5 | 6.2 | 6.0 | 7.3 | 6.6 | 6.7 | 7.6 | 8.1 | 8.0 | 7.5 | 9.4 | 7.5 | 5.1 | 4.9 | 7.2 | 11.9 | 9.2 | 9.5 | 9.6 | 7.1 | 11.9 |
| 14 | 10.2 | 11.1 | 11.6 | 12.1 | 11.8 | 12.0 | 13.3 | 13.2 | 13.6 | 13.1 | 13.9 | 17.1 | 18.6 | 14.3 | 9.9 | 9.6 | 8.9 | 8.5 | 8.9 | 15.4 | 21.1 | 29.1 | 27.8 | 17.7 | 14.3 | 29.1 |
| 15 | 16.4 | 15.2 | 13.8 | 12.9 | 12.7 | 13.7 | 15.0 | 15.0 | 14.9 | 13.8 | 15.9 | 36.9 | 40.6 | 35.3 | 27.1 | 30.8 | 17.6 | 12.8 | 15.6 | 15.9 | 24.8 | 24.9 | 15.7 | 16.5 | 19.7 | 40.6 |
| 16 | 20.2 | 23.8 | 24.5 | 25.9 | 20.9 | 20.1 | 23.8 | 20.4 | 19.2 | 26.7 | 17.9 | 16.0 | 15.1 | 17.8 | 24.7 | 24.1 | 19.8 | 13.7 | 14.6 | 13.4 | 11.9 | 11.5 | 8.8 | 9.4 | 18.5 | 26.7 |
| 17 | 10.9 | 9.7 | 8.5 | 7.7 | 5.9 | 4.7 | 3.6 | 3.3 | 2.7 | 2.5 | 2.1 | 1.5 | 1.3 | 1.2 | 1.3 | 1.3 | 1.5 | 1.8 | 2.1 | 3.8 | 10.4 | 8.9 | 9.6 | 7.5 | 4.7 | 10.9 |
| 18 | 4.6 | 4.9 | 4.2 | 4.3 | 3.8 | 4.1 | 4.2 | 5.9 | 5.6 | 6.7 | 9.9 | 15.6 | 17.0 | 15.6 | 13.5 | 11.8 | 9.1 | 9.0 | 8.6 | 10.2 | 15.1 | 17.2 | 17.0 | 9.6 | 9.5 | 17.2 |
| 19 | 8.1 | 8.5 | 7.9 | 8.2 | 7.4 | 7.3 | 7.4 | 8.2 | 8.0 | 9.6 | 8.5 | 7.5 | 7.2 | 6.6 | 6.0 | 5.9 | 5.3 | 5.4 | 5.2 | 9.1 | 11.5 | 8.5 | 6.8 | 7.2 | 7.5 | 11.5 |
| 20 | 6.3 | 7.8 | 4.3 | 2.0 | 1.7 | 1.5 | 2.7 | 3.6 | 3.3 | 3.4 | 6.0 | 5.7 | 2.9 | 2.7 | 3.1 | 3.0 | 2.4 | 1.6 | 1.8 | 2.4 | 3.0 | 3.5 | 3.4 | 4.6 | 3.4 | 7.8 |
| 21 | 3.1 | 3.0 | 2.6 | 2.6 | 2.7 | 2.7 | 3.1 | 4.5 | 3.9 | 2.8 | 2.2 | 1.6 | 1.5 | 1.5 | 1.5 | 1.2 | 1.0 | 1.0 | 1.2 | 1.6 | 1.4 | 1.5 | 1.6 | 1.6 | 2.1 | 4.5 |
| 22 | 1.7 | 1.7 | 1.5 | 1.5 | 1.6 | 1.7 | 1.6 | 2.6 | 3.2 | 6.1 | 11.8 | 11.1 | 9.6 | 9.7 | 6.3 | 8.8 | 10.2 | 9.6 | 7.0 | 12.9 | 11.2 | 6.2 | 4.9 | 4.6 | 6.1 | 12.9 |
| 23 | 4.5 | 4.4 | 4.1 | 4.1 | 4.0 | 4.0 | 4.6 | 5.1 | 5.4 | 5.6 | 5.3 | 6.3 | 11.4 | 12.7 | 16.3 | 14.5 | 10.4 | 14.3 | 10.9 | 11.4 | 8.9 | 9.1 | 4.7 | 1.9 | 7.7 | 16.3 |
| 24 | 2.0 | 1.9 | 1.3 | 2.1 | 2.9 | 3.0 | 2.5 | 1.9 | 1.6 | 1.8 | 1.8 | 1.5 | 1.4 | 1.0 | 0.9 | 0.5 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 1.3 | 3.0 |
| 25 | 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.5 | 2.1 | 1.4 | 1.9 | 1.5 | 2.0 | 2.4 | 2.5 | 3.2 | 2.6 | 1.2 | 3.2 |
| 26 | 2.7 | 3.1 | 3.2 | 3.0 | 3.2 | 3.4 | 4.9 | 4.9 | 3.9 | 3.3 | 2.9 | 2.6 | 2.4 | 2.2 | 1.8 | 1.8 | 2.0 | 2.2 | 2.4 | 2.5 | 2.6 | 2.5 | 2.1 | 1.9 | 2.8 | 4.9 |
| 27 | 1.8 | 2.2 | 1.4 | 1.5 | 1.8 | 1.6 | 2.5 | 3.0 | 1.9 | 1.8 | 2.3 | 2.3 | 1.1 | 0.7 | 0.8 | 1.5 | 2.3 | 0.6 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.8 | 1.4 | 3.0 |
| 28 | 0.8 | 0.7 | 0.4 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 29 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 30 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 31 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| NO. | 28 | 28 | 28 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 651 | 88% |
| MEAN | 10.3 | 9.6 | 8.3 | 8.3 | 8.2 | 8.1 | 8.7 | 9.7 | 10.3 | 10.7 | 11.9 | 12.6 | 12.6 | 12.7 | 13.1 | 12.3 | 12.0 | 10.8 | 9.2 | 10.4 | 11.2 | 11.6 | 11.3 | 10.7 | | |
| MAX | 36.5 | 38.6 | 24.5 | 25.9 | 20.9 | 20.1 | 23.8 | 25.0 | 32.1 | 38.7 | 50.6 | 44.2 | 54.9 | 63.8 | 68.2 | 67.0 | 65.0 | 51.6 | 32.8 | 35.7 | 39.4 | 31.8 | 38.0 | 40.3 | | |



| | | |
|-----------------------------|-------------------|------------|
| Number of Non-Zero Readings | 651 | |
| Maximum 1-HR Average | 68.2 UG/M3 | |
| Maximum 24-HR Average | 32.7 UG/M3 | |
| IZS Calibration Time | OperatioEI Time | 651 HRS |
| Down Time | OperatioEI Uptime | 87.5 % |
| Standard Deviation | Monthly Average | 10.6 UG/M3 |

West TSP ($\mu\text{g}/\text{m}^3$) – August 2024

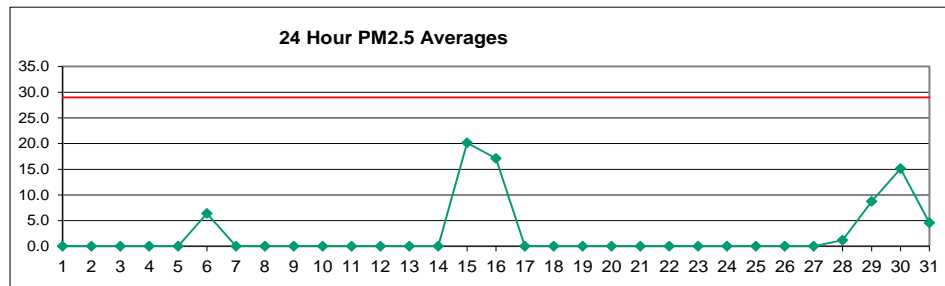
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 10.3 | 8.5 | 12.8 | 14.2 | 13.7 | 10.2 | 8.0 | 8.5 | 7.9 | 7.6 | 14.6 | 4.5 | 2.8 | 3.0 | 3.2 | 3.2 | 2.8 | 3.2 | 4.3 | 5.4 | 8.8 | 8.5 | 7.9 | 7.4 | 14.6 | |
| 2 | 8.5 | 8.9 | 8.4 | 8.5 | 8.1 | 8.3 | 8.5 | 11.0 | 15.2 | 12.6 | 12.1 | 12.3 | 16.7 | 22.7 | 22.8 | 20.7 | 19.0 | 18.7 | 11.5 | 8.9 | 11.1 | 13.9 | 14.5 | 15.8 | 13.3 | 22.8 |
| 3 | 16.2 | 14.4 | 14.0 | 14.1 | 14.0 | 14.4 | 15.3 | 16.4 | 16.9 | 14.1 | 12.6 | 11.7 | 18.6 | 14.7 | 14.4 | 18.3 | 24.5 | 32.8 | 19.0 | 18.7 | 16.4 | 17.3 | 26.2 | 21.3 | 17.3 | 32.8 |
| 4 | 16.3 | 15.0 | 16.0 | 15.2 | 16.1 | 15.8 | 15.6 | 15.7 | 14.9 | 15.3 | 15.9 | 17.4 | 16.2 | 10.1 | 14.3 | 13.3 | 21.2 | 22.0 | 20.6 | 18.9 | 17.6 | 27.3 | 30.2 | 31.8 | 18.0 | 31.8 |
| 5 | 23.9 | 17.5 | 13.0 | 8.8 | 10.9 | 12.3 | 13.4 | 15.2 | 15.6 | 18.9 | 13.5 | 11.7 | 10.8 | 20.5 | 19.1 | 19.5 | 15.8 | 11.0 | 13.3 | 11.6 | 7.8 | 6.4 | 5.8 | 7.7 | 13.5 | 23.9 |
| 6 | 12.7 | 10.8 | 9.8 | 12.5 | 11.6 | 8.5 | 12.0 | 14.2 | 19.2 | 16.2 | 16.2 | 17.7 | 15.1 | 6.8 | 11.0 | 4.9 | 9.6 | 5.4 | 7.0 | 7.1 | 6.2 | 4.7 | 4.3 | 1.9 | 10.2 | 19.2 |
| 7 | 3.5 | 4.3 | 6.7 | 4.7 | 7.3 | 9.1 | 9.3 | 25.0 | 32.1 | 38.7 | 50.6 | 44.2 | 54.9 | 63.8 | 68.2 | 67.0 | 65.0 | 51.6 | 32.8 | 35.7 | 39.4 | 27.4 | 20.3 | 23.8 | 32.7 | 68.2 |
| 8 | 26.4 | 21.0 | 15.2 | 14.8 | 16.1 | 15.4 | 14.9 | 15.2 | 17.0 | 18.8 | 32.4 | 37.1 | 24.1 | 34.0 | 31.7 | 30.5 | 28.6 | 27.0 | 25.2 | 28.5 | 23.3 | 31.8 | 38.0 | 41.1 | 25.3 | 41.1 |
| 9 | 36.5 | 38.6 | 20.0 | 16.5 | 16.6 | 16.3 | 16.7 | 17.5 | 18.6 | 18.2 | 23.8 | 24.9 | 19.9 | 15.1 | 17.4 | 16.5 | 15.3 | 14.3 | 14.8 | 16.5 | 15.4 | 21.0 | 21.7 | 25.4 | 19.9 | 38.6 |
| 10 | 23.0 | 13.3 | 11.4 | 11.5 | 11.9 | 12.4 | 11.7 | 10.8 | 11.8 | 12.3 | 11.6 | 15.5 | 16.5 | 14.4 | 25.1 | 9.8 | 9.2 | 6.0 | 5.9 | 5.6 | 6.1 | 6.2 | 5.9 | 6.4 | 11.4 | 25.1 |
| 11 | 6.5 | 5.8 | 5.3 | 5.1 | 4.9 | 4.9 | 5.2 | 5.4 | 5.6 | 5.4 | 5.5 | 5.0 | 4.3 | 4.4 | 3.7 | 3.0 | 11.4 | 9.4 | 7.1 | 11.3 | 12.0 | 10.0 | 10.0 | 9.3 | 6.7 | 12.0 |
| 12 | 6.7 | 6.0 | 5.9 | 6.0 | 6.2 | 6.3 | 7.7 | 9.8 | 9.9 | 7.2 | 7.0 | 6.8 | 5.8 | 9.4 | 14.7 | 10.1 | 6.7 | 5.6 | 4.5 | 5.0 | 4.9 | 5.1 | 4.9 | 5.0 | 7.0 | 14.7 |
| 13 | 5.2 | 5.2 | 5.3 | 5.4 | 5.6 | 5.5 | 6.2 | 6.0 | 7.3 | 6.6 | 6.7 | 7.6 | 8.1 | 8.0 | 7.5 | 9.4 | 7.5 | 5.1 | 4.9 | 7.2 | 11.9 | 9.2 | 9.5 | 9.6 | 7.1 | 11.9 |
| 14 | 10.2 | 11.1 | 11.6 | 12.1 | 11.8 | 12.0 | 13.3 | 13.2 | 13.6 | 13.1 | 13.9 | 17.1 | 18.6 | 14.3 | 9.9 | 9.6 | 8.9 | 8.5 | 8.9 | 15.4 | 21.1 | 29.1 | 27.8 | 17.7 | 14.3 | 29.1 |
| 15 | 16.4 | 15.2 | 13.8 | 12.9 | 12.7 | 13.7 | 15.0 | 15.0 | 14.9 | 13.8 | 15.9 | 36.9 | 40.6 | 36.7 | 30.3 | 30.8 | 17.6 | 12.8 | 15.6 | 15.9 | 24.8 | 24.9 | 15.7 | 16.5 | 19.9 | 40.6 |
| 16 | 20.2 | 23.8 | 24.5 | 25.9 | 20.9 | 20.1 | 23.8 | 20.4 | 19.2 | 26.7 | 17.9 | 16.0 | 15.1 | 17.8 | 24.7 | 24.1 | 19.8 | 13.7 | 14.6 | 13.4 | 11.9 | 11.5 | 8.8 | 9.4 | 18.5 | 26.7 |
| 17 | 10.9 | 9.7 | 8.5 | 7.7 | 5.9 | 4.7 | 3.6 | 3.3 | 2.7 | 2.5 | 2.1 | 1.5 | 1.3 | 1.2 | 1.3 | 1.3 | 1.5 | 1.8 | 2.1 | 3.8 | 10.4 | 10.1 | 9.6 | 7.5 | 4.8 | 10.9 |
| 18 | 4.6 | 4.9 | 4.2 | 4.3 | 3.8 | 4.1 | 4.2 | 5.9 | 5.6 | 6.7 | 9.9 | 16.0 | 19.2 | 17.1 | 14.3 | 13.1 | 9.9 | 10.1 | 8.6 | 10.2 | 16.5 | 19.7 | 18.2 | 9.6 | 10.0 | 19.7 |
| 19 | 8.1 | 8.5 | 7.9 | 8.2 | 7.4 | 7.3 | 7.4 | 8.2 | 8.0 | 9.6 | 8.5 | 7.5 | 7.2 | 6.6 | 6.0 | 5.9 | 5.3 | 5.4 | 5.2 | 9.1 | 11.5 | 8.5 | 6.8 | 7.2 | 7.6 | 11.5 |
| 20 | 6.3 | 7.8 | 4.3 | 2.0 | 1.7 | 1.5 | 2.7 | 3.6 | 3.3 | 3.4 | 6.0 | 5.7 | 2.9 | 2.7 | 3.1 | 3.0 | 2.4 | 1.6 | 1.8 | 2.4 | 3.0 | 3.5 | 3.4 | 4.6 | 3.4 | 7.8 |
| 21 | 3.1 | 3.0 | 2.6 | 2.6 | 2.7 | 2.7 | 3.1 | 4.5 | 3.9 | 2.8 | 2.2 | 1.6 | 1.5 | 1.5 | 1.5 | 1.2 | 1.0 | 1.0 | 1.2 | 1.6 | 1.4 | 1.5 | 1.6 | 1.6 | 2.1 | 4.5 |
| 22 | 1.7 | 1.7 | 1.5 | 1.5 | 1.6 | 1.7 | 1.6 | 2.6 | 3.2 | 6.1 | 11.8 | 11.1 | 9.6 | 9.7 | 6.3 | 8.8 | 10.2 | 9.6 | 7.0 | 13.4 | 11.2 | 6.2 | 4.9 | 4.6 | 6.1 | 13.4 |
| 23 | 4.5 | 4.4 | 4.1 | 4.1 | 4.0 | 4.0 | 4.6 | 5.1 | 5.4 | 5.6 | 5.3 | 6.3 | 11.6 | 13.5 | 18.4 | 16.4 | 10.5 | 16.0 | 12.5 | 12.9 | 9.8 | 10.3 | 4.7 | 1.9 | 8.2 | 18.4 |
| 24 | 2.0 | 1.9 | 1.3 | 2.1 | 2.9 | 3.0 | 2.5 | 1.9 | 1.6 | 1.8 | 1.8 | 1.5 | 1.4 | 1.0 | 0.9 | 0.5 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 1.3 | 3.0 |
| 25 | 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.5 | 2.1 | 1.4 | 1.9 | 1.5 | 2.0 | 2.4 | 2.5 | 3.2 | 2.6 | 1.2 | 3.2 |
| 26 | 2.7 | 3.1 | 3.2 | 3.0 | 3.2 | 3.4 | 4.9 | 4.9 | 3.9 | 3.3 | 2.9 | 2.6 | 2.4 | 2.2 | 1.8 | 1.8 | 2.0 | 2.2 | 2.4 | 2.5 | 2.6 | 2.5 | 2.1 | 1.9 | 2.8 | 4.9 |
| 27 | 1.8 | 2.2 | 1.4 | 1.5 | 1.8 | 1.6 | 2.5 | 3.0 | 1.9 | 1.8 | 2.3 | 2.3 | 1.1 | 0.7 | 0.8 | 1.5 | 2.3 | 0.6 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.8 | 1.4 | 3.0 |
| 28 | 0.8 | 0.7 | 0.4 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 29 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 30 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 31 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| NO. | 28 | 28 | 28 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 651 | 88% |
| MEAN | 10.3 | 9.6 | 8.3 | 8.3 | 8.3 | 8.1 | 8.7 | 9.7 | 10.4 | 10.7 | 12.0 | 12.7 | 12.9 | 13.1 | 13.9 | 12.8 | 12.2 | 11.0 | 9.3 | 10.5 | 11.3 | 11.9 | 11.4 | 10.9 | | |
| MAX | 36.5 | 38.6 | 24.5 | 25.9 | 20.9 | 20.1 | 23.8 | 25.0 | 32.1 | 38.7 | 50.6 | 44.2 | 54.9 | 63.8 | 68.2 | 67.0 | 65.0 | 51.6 | 32.8 | 35.7 | 39.4 | 31.8 | 38.0 | 41.1 | | |



| | | |
|-----------------------------|------------|--------------------|
| Number of 24HR Exceedences | 0 | Proposed Guideline |
| Number of Non-Zero Readings | 651 | |
| Maximum 1-HR Average | 68.2 UG/M3 | |
| Maximum 24-HR Average | 32.7 UG/M3 | |
| IZS Calibration Time | | Operational Time |
| Down Time | 0 | Operational Uptime |
| Standard Deviation | 9.78 | Monthly Average |
| | | 651 HRS |
| | | 87.5 % |
| | | 10.8 UG/M3 |

Berm PM_{2.5} (µg/m³) – August 2024

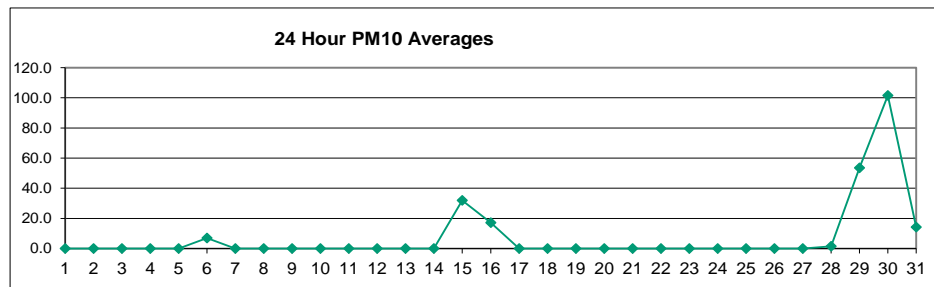
| DAY | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 1 | 6.5 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 2 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 3 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 4 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 5 | X | X | X | X | X | X | X | X | X | 11.6 | 11.5 | 14.6 | 14.2 | 14.1 | 13.7 | 13.7 | 13.1 | 11.8 | 91.0 | 12.8 | 6.6 | 7.0 | 5.8 | 5.7 | - | - | |
| 6 | 5.6 | 4.4 | 4.4 | 4.6 | 6.3 | 7.6 | 6.4 | 9.0 | 9.8 | 13.7 | 12.4 | 10.9 | 11.0 | 6.3 | 2.8 | 2.6 | 3.9 | 3.8 | 4.4 | 6.2 | 4.8 | 4.7 | 2.8 | 4.9 | 6.4 | 13.7 | |
| 7 | 5.4 | 6.0 | 5.3 | 9.0 | 7.2 | 8.4 | 12.4 | 24.1 | 34.9 | 36.4 | 40.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 8 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 9 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 10 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 14.4 | 10.3 | 10.1 | X | X | X | X | X | 4.9 | 5.1 | - | - | |
| 11 | 5.3 | 5.1 | 5.1 | 5.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 12 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 13 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 11.5 | 14.6 | - | - |
| 14 | 10.9 | 11.4 | 12.2 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 15 | X | X | X | X | 16.2 | 16.0 | 23.4 | 23.7 | 24.1 | 27.0 | 29.6 | 30.8 | 25.4 | 20.5 | 23.0 | 18.9 | 13.9 | 15.7 | 17.6 | 12.4 | 11.8 | 14.3 | 16.5 | 20.1 | 30.8 | | |
| 16 | 14.2 | 16.2 | 16.8 | 18.2 | 17.2 | 14.6 | 14.4 | 15.0 | 14.3 | 13.9 | 14.1 | 17.6 | 19.3 | 20.7 | 20.0 | 20.8 | 20.5 | 19.9 | X | X | X | X | X | 17.1 | 20.8 | | |
| 17 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 18 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 19 | X | X | X | X | X | X | X | X | X | X | 7.5 | 19.1 | 22.3 | 22.0 | 22.4 | 18.9 | 11.2 | 6.3 | X | X | X | X | X | X | - | - | |
| 20 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 21 | X | X | X | 3.4 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 22 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 23 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 24 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 25 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 26 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 27 | X | X | X | X | X | X | X | X | X | X | C | 28.8 | 13.7 | 28.6 | 29.7 | 39.9 | 70.6 | 20.7 | 14.1 | 11.7 | 6.4 | 11.1 | 12.4 | 6.8 | - | - | |
| 28 | 3.3 | 3.6 | 2.0 | 1.8 | 0.7 | 0.5 | 0.7 | 1.0 | 1.0 | 0.6 | 0.4 | 0.7 | 1.3 | 0.7 | 0.8 | 0.5 | 0.6 | 0.7 | 1.0 | 1.2 | 1.1 | 1.3 | 1.5 | 1.5 | 1.2 | 3.6 | |
| 29 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 3.1 | 2.7 | 2.7 | 6.5 | 9.6 | 13.0 | 11.2 | 11.6 | 21.9 | 23.4 | 17.3 | 19.8 | 25.9 | 14.1 | 2.9 | 8.4 | 3.6 | 3.8 | 8.7 | 25.9 | |
| 30 | 3.5 | 2.8 | 2.8 | 2.9 | 3.2 | 2.9 | 3.1 | 4.3 | 3.9 | 4.0 | 5.1 | 4.4 | 16.4 | 51.6 | 79.3 | 50.7 | 30.8 | 39.7 | 29.6 | 6.5 | 4.1 | 4.2 | 3.6 | 3.3 | 15.1 | 79.3 | |
| 31 | 4.2 | 4.6 | 4.1 | 4.1 | 4.8 | 6.3 | 4.3 | 5.5 | 6.2 | 5.5 | 4.4 | 6.5 | 5.3 | 4.2 | 3.6 | 3.6 | 3.1 | 3.0 | 3.8 | 4.4 | 4.5 | 4.4 | 4.8 | 5.0 | 4.6 | 6.5 | |
| NO. | 10 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 10 | 11 | 8 | 12 | 12 | 12 | 10 | 9 | 8 | 8 | 8 | 10 | 10 | 226 | 31% | |
| MEAN | 6.0 | 6.2 | 6.0 | 5.6 | 7.1 | 7.2 | 8.5 | 10.7 | 11.8 | 12.9 | 13.8 | 13.4 | 14.3 | 6.6 | 19.9 | 18.8 | 20.2 | 14.5 | 21.3 | 9.3 | 5.4 | 6.6 | 6.5 | 6.7 | | | |
| MAX | 14.2 | 16.2 | 16.8 | 18.2 | 17.2 | 16.0 | 23.4 | 24.1 | 34.9 | 36.4 | 40.0 | 29.6 | 30.8 | 11.8 | 79.3 | 50.7 | 70.6 | 39.7 | 91.0 | 17.6 | 12.4 | 11.8 | 14.3 | 16.5 | | | |



| | | |
|-----------------------------|------------|---------------------|
| Number of 24HR Exceedences | 0 | XroXosed Guideline |
| Number of Non-Zero Readings | 226 | |
| Maximum 1-HR Average | 79.3 UG/M3 | |
| Maximum 24-HR Average | 20.1 UG/M3 | |
| Monthly Calibration | 1 | OOperational Time |
| Standard Deviation | 12.4 | OOperational UXtime |
| | | Monthly Average |
| | | 227 HRS |
| | | 30.5 % |
| | | 11.8 UG/M3 |

Berm PM₁₀ (µg/m³) – August 2024

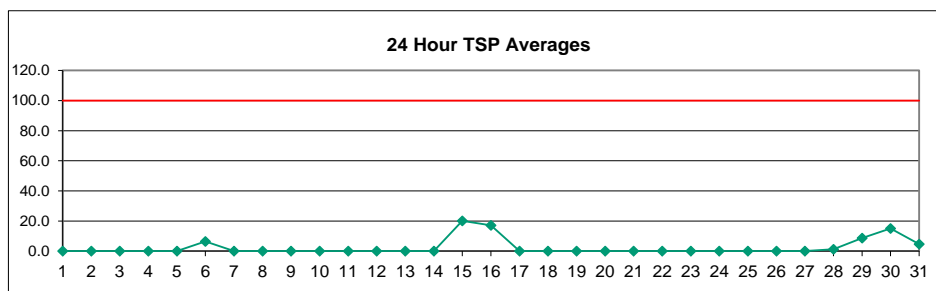
| DAY | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 1 | 16.7 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 2 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 3 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 4 | X | X | X | X | X | X | X | X | X | X | X | X | 22.5 | 17.7 | 12.7 | 25.7 | 34.1 | X | X | X | X | X | X | X | X | - | - |
| 5 | X | X | X | X | X | X | X | X | X | X | 11.6 | 11.6 | 17.0 | 15.8 | 17.8 | 17.9 | 17.3 | 15.7 | 12.4 | 134.2 | 12.8 | 6.6 | 7.0 | 5.8 | 5.7 | - | - |
| 6 | 5.6 | 4.4 | 4.4 | 4.6 | 6.3 | 7.6 | 6.4 | 9.0 | 9.8 | 13.7 | 12.4 | 12.8 | 17.2 | 10.0 | 2.8 | 2.6 | 3.9 | 3.8 | 4.4 | 6.2 | 4.8 | 4.7 | 2.8 | 4.9 | 6.9 | 17.2 | |
| 7 | 5.4 | 6.0 | 5.3 | 9.0 | 7.2 | 8.4 | 12.4 | 24.1 | 34.9 | 36.4 | 40.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 8 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 9 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 10 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 23.9 | 10.3 | 10.1 | X | X | X | X | X | 4.9 | 5.1 | - | - | |
| 11 | 5.3 | 5.1 | 5.1 | 5.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 12 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 13 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 11.5 | 15.0 | - | - | |
| 14 | 10.9 | 11.4 | 12.2 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 15 | X | X | X | X | 16.2 | 16.0 | 25.1 | 42.2 | 40.6 | 77.5 | 66.9 | 52.8 | 48.6 | 42.2 | 27.9 | 30.7 | 24.8 | 20.1 | 24.1 | 28.3 | 12.4 | 11.8 | 14.3 | 16.5 | 31.9 | 77.5 | |
| 16 | 14.2 | 16.2 | 16.8 | 18.2 | 17.2 | 14.6 | 14.4 | 15.0 | 14.3 | 13.9 | 14.1 | 17.6 | 19.3 | 20.7 | 20.0 | 20.8 | 20.5 | 19.9 | X | X | X | X | X | X | 17.1 | 20.8 | |
| 17 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 18 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 19 | X | X | X | X | X | X | X | X | X | X | X | 52.4 | 200.9 | 207.1 | 176.1 | 183.6 | 156.0 | 84.1 | 36.4 | X | X | X | X | X | - | - | |
| 20 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 21 | X | X | X | 3.9 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 22 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 23 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 24 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 25 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 26 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 27 | X | X | X | X | X | X | X | X | X | X | C | 258.7 | 93.8 | 236.7 | 239.5 | 311.7 | 541.3 | 165.6 | 99.3 | 83.7 | 40.0 | 78.7 | 90.1 | 38.8 | - | - | |
| 28 | 7.9 | 4.9 | 2.6 | 2.4 | 0.7 | 0.5 | 0.7 | 1.1 | 1.0 | 0.6 | 0.4 | 0.8 | 1.7 | 0.7 | 0.8 | 0.5 | 0.6 | 0.7 | 1.0 | 1.2 | 1.1 | 1.3 | 1.5 | 1.5 | 1.5 | 7.9 | |
| 29 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 3.8 | 3.1 | 6.7 | 35.2 | 59.9 | 71.5 | 66.8 | 78.1 | 149.9 | 147.9 | 92.5 | 160.9 | 211.0 | 102.6 | 10.2 | 50.6 | 12.3 | 13.5 | 53.5 | 211.0 | |
| 30 | 11.4 | 6.1 | 5.7 | 6.0 | 6.8 | 4.3 | 7.1 | 11.7 | 12.0 | 11.6 | 20.5 | 15.0 | 111.4 | 386.9 | 650.0 | 399.3 | 208.1 | 275.2 | 210.5 | 31.9 | 13.9 | 14.3 | 10.4 | 7.3 | 101.6 | 650.0 | |
| 31 | 11.2 | 11.5 | 9.7 | 5.3 | 6.4 | 8.9 | 8.4 | 17.8 | 19.5 | 20.6 | 15.1 | 33.9 | 23.2 | 16.3 | 15.1 | 13.8 | 12.2 | 11.4 | 12.9 | 13.9 | 11.5 | 10.9 | 14.3 | 16.2 | 14.2 | 33.9 | |
| NO. | 10 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 12 | 12 | 10 | 9 | 8 | 8 | 8 | 10 | 10 | 226 | 31% | |
| MEAN | 9.0 | 7.4 | 7.0 | 6.2 | 7.7 | 7.7 | 9.8 | 15.5 | 17.3 | 24.6 | 26.8 | 53.2 | 56.5 | 94.0 | 111.4 | 97.0 | 93.3 | 75.4 | 81.5 | 35.1 | 12.6 | 22.4 | 16.8 | 12.4 | | | |
| MAX | 16.7 | 16.2 | 16.8 | 18.2 | 17.2 | 16.0 | 25.1 | 42.2 | 40.6 | 77.5 | 66.9 | 258.7 | 200.9 | 386.9 | 650.0 | 399.3 | 541.3 | 275.2 | 211.0 | 102.6 | 40.0 | 78.7 | 90.1 | 38.8 | | | |



| | |
|-----------------------------|-------------|
| Number of Non-Zero Readings | 226 |
| Maximum 1-HR Average | 650.0 UG/M3 |
| Maximum 24-HR Average | 101.6 UG/M3 |
| Monthly Calibration | 1 |
| Standard Deviation | 83.67 |
| Operational Time | 227 HRS |
| Operational Uptime | 30.5 % |
| Monthly Average | 41.4 UG/M3 |

Berm TSP ($\mu\text{g}/\text{m}^3$) – August 2024

| 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 | 6.5 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 2 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 3 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 4 | X | X | X | X | X | X | X | X | X | X | X | 15.6 | 12.8 | 9.8 | 14.8 | 34.1 | X | X | X | X | X | X | X | X | X | - | - |
| 5 | X | X | X | X | X | X | X | X | X | 11.6 | 11.5 | 14.6 | 14.2 | 14.1 | 13.7 | 13.7 | 13.1 | 11.8 | 91.0 | 12.8 | 6.6 | 7.0 | 5.8 | 5.7 | - | - | |
| 6 | 5.6 | 4.4 | 4.4 | 4.6 | 6.3 | 7.6 | 6.4 | 9.0 | 9.8 | 13.7 | 12.4 | 10.9 | 11.0 | 6.3 | 2.8 | 2.6 | 3.9 | 3.8 | 4.4 | 6.2 | 4.8 | 4.7 | 2.8 | 4.9 | 6.4 | 13.7 | |
| 7 | 5.4 | 6.0 | 5.3 | 9.0 | 7.2 | 8.4 | 12.4 | 24.1 | 34.9 | 36.4 | 40.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | |
| 8 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 9 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 10 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 14.4 | 10.3 | 10.1 | X | X | X | X | X | 4.9 | 5.1 | - | - | |
| 11 | 5.3 | 5.1 | 5.1 | 5.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 12 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 13 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 11.5 | 14.6 | - | - |
| 14 | 10.9 | 11.4 | 12.2 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 15 | X | X | X | X | 16.2 | 16.0 | 23.4 | 23.7 | 21.7 | 24.1 | 27.0 | 29.6 | 30.8 | 25.4 | 20.5 | 23.0 | 18.9 | 13.9 | 15.7 | 17.6 | 12.4 | 11.8 | 14.3 | 16.5 | 20.1 | 30.8 | |
| 16 | 14.2 | 16.2 | 16.8 | 18.2 | 17.2 | 14.6 | 14.4 | 15.0 | 14.3 | 13.9 | 14.1 | 17.6 | 19.3 | 20.7 | 20.0 | 20.8 | 20.5 | 19.9 | X | X | X | X | X | X | 17.1 | 20.8 | |
| 17 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 18 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 19 | X | X | X | X | X | X | X | X | X | X | X | 7.5 | 19.1 | 22.3 | 22.0 | 22.4 | 18.9 | 11.2 | 6.3 | X | X | X | X | X | X | - | - |
| 20 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 21 | X | X | X | 3.4 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 22 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 23 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 24 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 25 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 26 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - |
| 27 | X | X | X | X | X | X | X | X | X | X | C | 28.8 | 13.7 | 28.6 | 29.7 | 39.9 | 70.6 | 20.7 | 14.1 | 11.7 | 6.4 | 11.1 | 12.4 | 6.8 | - | - | |
| 28 | 3.3 | 3.6 | 2.0 | 1.8 | 0.7 | 0.5 | 0.7 | 1.0 | 1.0 | 0.6 | 0.4 | 0.7 | 1.3 | 0.7 | 0.8 | 0.5 | 0.6 | 0.7 | 1.0 | 1.2 | 1.1 | 1.3 | 1.5 | 1.5 | 1.2 | 3.6 | |
| 29 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 3.1 | 2.7 | 2.7 | 6.5 | 9.6 | 13.0 | 11.2 | 11.6 | 21.9 | 23.4 | 17.3 | 19.8 | 25.9 | 14.1 | 2.9 | 8.4 | 3.6 | 3.8 | 8.7 | 25.9 | |
| 30 | 3.5 | 2.8 | 2.8 | 2.9 | 3.2 | 2.9 | 3.1 | 4.3 | 3.9 | 4.0 | 5.1 | 4.4 | 16.4 | 51.6 | 79.3 | 50.7 | 30.8 | 39.7 | 29.6 | 6.5 | 4.1 | 4.2 | 3.6 | 3.3 | 15.1 | 79.3 | |
| 31 | 4.2 | 4.6 | 4.1 | 4.1 | 4.8 | 6.3 | 4.3 | 5.5 | 6.2 | 5.5 | 4.4 | 6.5 | 5.3 | 4.2 | 3.6 | 3.6 | 3.1 | 3.0 | 3.8 | 4.4 | 4.5 | 4.4 | 4.8 | 5.0 | 4.6 | 6.5 | |
| NO. | 10 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 12 | 12 | 10 | 9 | 8 | 8 | 8 | 10 | 10 | 226 | 31% | |
| MEAN | 6.0 | 6.2 | 6.0 | 5.6 | 7.1 | 7.2 | 8.5 | 10.7 | 11.8 | 12.9 | 13.8 | 13.4 | 14.3 | 18.0 | 19.9 | 18.8 | 20.2 | 14.5 | 21.3 | 9.3 | 5.4 | 6.6 | 6.5 | 6.7 | | | |
| MAX | 14.2 | 16.2 | 16.8 | 18.2 | 17.2 | 16.0 | 23.4 | 24.1 | 34.9 | 36.4 | 40.0 | 29.6 | 30.8 | 51.6 | 79.3 | 50.7 | 70.6 | 39.7 | 91.0 | 17.6 | 12.4 | 11.8 | 14.3 | 16.5 | | | |



| | | |
|-----------------------------|------------|----------------------------|
| Number of 24HR Exceedences | 0 | Proposed Guideline |
| Number of Non-Zero Readings | 226 | |
| Maximum 1-HR Average | 79.3 UG/M3 | |
| Maximum 24-HR Average | 20.1 UG/M3 | |
| IZS Calibration Time | | Operational Time 227 HRS |
| Monthly Calibration | 1 | Operational Uptime 30.5 % |
| Standard Deviation | 12.4 | Monthly Average 11.8 UG/M3 |