

LAFARGE CANADA INC.

AMBIENT AIR QUALITY MONTHLY REPORT SEPTEMBER 2024

OCTOBER 29, 2024



wsp



AMBIENT AIR QUALITY MONTHLY REPORT

SEPTEMBER 2024

LAFARGE CANADA INC.

PROJECT NO.: 171-00556-05
DATE: OCTOBER 29, 2024

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October 29, 2024

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

Attention: Nikolaos Veriotes P. Eng.

Dear Mr. Veriotes,

Subject: Ambient Air Quality Monthly Report – September 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 September 2024.

| Lagoon | Data Completeness (%) | 1-Hour Average | 24-hour Average |
|------------------------|-----------------------|-------------------------------|----------------------|
| | | Exceedances of AAAQO or AAAQG | Exceedances of AAAQO |
| TSP | 99.3% | - | 1 |
| PM _{2.5} | 100.0% | 0 | 0 |
| PM ₁₀ | 100.0% | - | - |
| 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 (AAAOs) or Guidelines (AAAQG) at the Windridge Station for September 2024.

| Windridge | Data Completeness (%) | 1-Hour Average | 24-hour Average | |
|-------------------|-----------------------|----------------------|--|--------------------------|
| | | Exceedances of AAAQG | Exceedances of PM _{2.5} AAAQO | Exceedances of TSP AAAQO |
| TSP | 95.4% | - | - | 4 |
| PM _{2.5} | 100% | 4 | 1 | - |
| 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 September 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 | 0% | 0 | 0 | 0 |
| Berm | 100% | 12 | 4 | 17 |
| Entrance | 0% | 0 | 0 | 0 |

I certify that I have reviewed and verified this report and that the information is complete, accurate and representative of the monitoring results, reporting timeframe and the specified analysis, summarization, and reporting requirements.

Sincerely,

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

SIGNATURES

PREPARED BY



Oct 29, 2024

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



Oct 29, 2024

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Date

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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 September 1, 2024 and September 30, 2024.

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

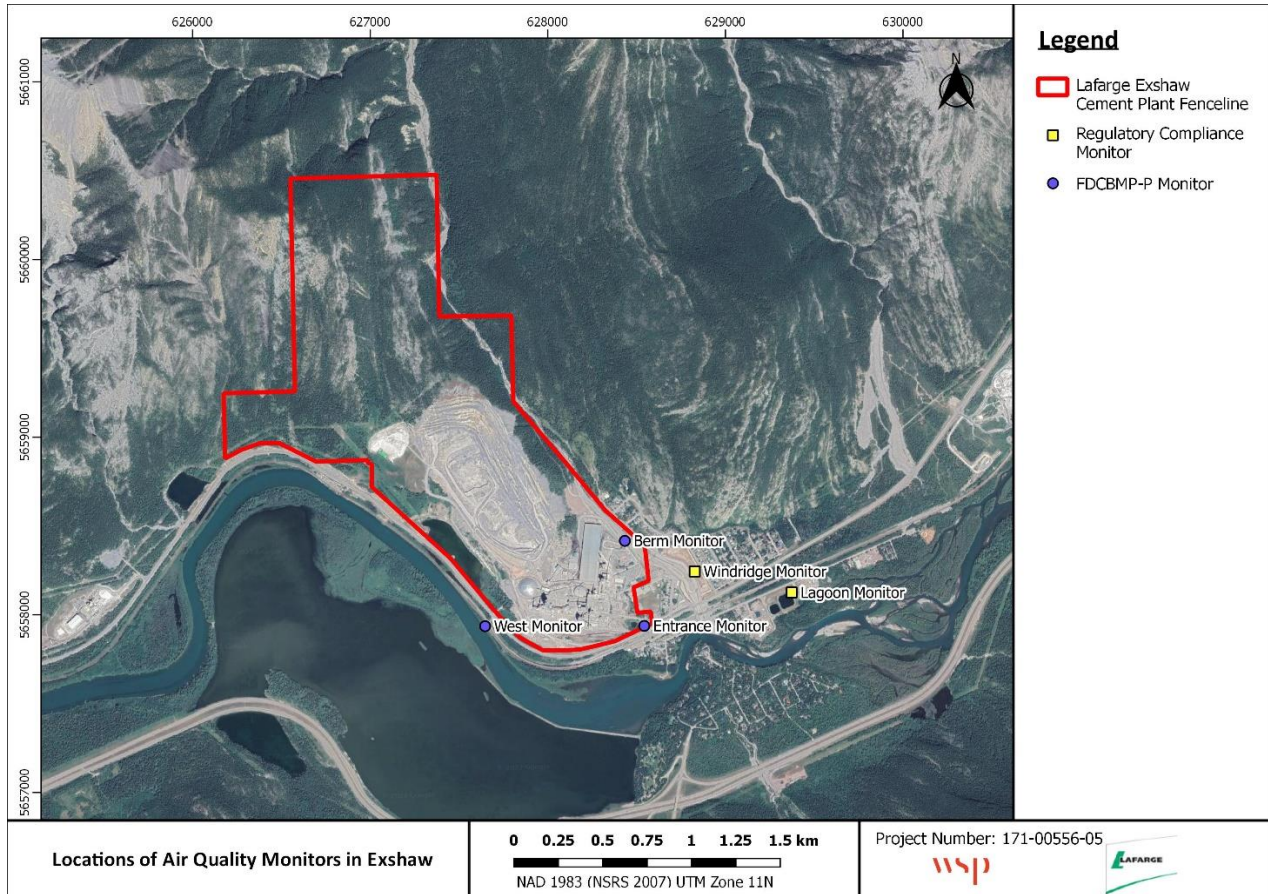


Figure 1-1 Locations of Air Quality Monitors in Exshaw

1.1 EXSHAW CREEK FLOOD MITIGATION

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



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

2 SEPTEMBER 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} 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 | 23.8 | 0 | 10.3 | - |
| SO₂ (ppb) | 100.0 | 15.9 | 0 | 5.5 | 0 |
| PM_{2.5} (µg/m³) | 100.0 | 41.8 | 0 ¹ | 21.0 | 0 |
| PM₁₀ (µg/m³) | 100.0 | 281.7 | - | 79.6 | - |
| TSP (µg/m³) | 99.3 | 357.9 | - | 115.8 | 1 |
| Temperature (°C) | 100.0 | 31.0 | - | 20.4 | - |
| Wind Speed (km/hr) /Direction (Degrees) | 100.0 | 43.9/W | - | 26.6/WSW | - |
| Precipitation (mm) | 100.0 | 3 ² | - | 59.5 ³ | - |

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

² Maximum Daily Total Accumulation of Precipitation (mm) – freezing temperatures can impact the precipitation totals in winter months

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

Data Quality Notes:

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

Calibration/Maintenance Notes:

- At the Lagoon station, all meteorological analyzers recorded 100% uptime during the month of September.
- The SO₂ and NO₂ analyzers recorded 100% uptime during the month of September.
- The PM₁₀ and PM_{2.5} analyzers recorded 100% uptime for the month of September.
- The TSP analyzer recorded 99.3% uptime for the month of September due to five hours of equipment malfunction in total occurring at 2:00 in September 9th, 12th, 17th, 28th and 30th.

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) | 100.0 | 227.0 | 4* | 33.0 | 1 |
| PM ₁₀ (µg/m ³) | 99.9 | 485.0 | - | 204.8 | - |
| TSP (µg/m ³) | 95.4 | 985.0 | - | 347.8 | 4 |

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

Data Quality Notes:

- There was one day exceeding of the 24-hour PM_{2.5} AAAQO.
- There were four hours exceeding of the 1-hour PM_{2.5} AAAQG.
- There were four days exceeding the 24-hour TSP AAAQO.

Calibration/Maintenance Notes:

- At the Windridge station, the PM_{2.5} analyzer recorded 100.0% uptime for the month of September.
- The PM₁₀ analyzer recorded 99.9% uptime for the month of September due to one hour of non routine maintenance occurring on September 23rd at 15:00.
- The TSP analyzer recorded 95.5% uptime for the month of September due to 27 hours of equipment malfunction from 8:00 on September 22nd to 10:00 on September 23rd and six hours of non-routine maintenance occurring from 11:00 to 16:00 on September 23rd.

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.

Calibration/Maintenance Notes:

- The analyzer had 0% uptime for the month of September due to an instrument error currently being resolved.

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 2-3 Berm station data summary

| Parameter | Data Completeness (%) | 1-Hour Average | | 24-hour Average | |
|--|-----------------------|-----------------------|---------------------------|-----------------------|---------------------------|
| | | Maximum Concentration | Exceedances of Guidelines | Maximum Concentration | Exceedances of Guidelines |
| PM _{2.5} (µg/m ³) | 100.0 | 134.3 | 12* | 50.1 | 4 |
| PM ₁₀ (µg/m ³) | 100.0 | 1048.7 | - | 361.5 | - |
| TSP (µg/m ³) | 100.0 | 3012.4 | - | 1054.6 | 17 |

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

Data Quality Notes:

- There were 4 days exceeding of the 24-hour PM_{2.5} Guidelines.
- There were 12 hours exceeding of the 1-hour PM_{2.5} Guidelines.
- There were 17 days exceeding of the 24-hour TSP Guidelines.

Calibration/Maintenance Notes:

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

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 September due to an instrument error currently being resolved .

3 LAGOON STATION

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

This section provides a summary of the monitoring activities for the Lagoon ambient air quality station, including: a table of instrumentation (Table 3-1), a data summary table (Table 3-2), site visit notes, a wind rose (Figure 3-9) and tables and graphs illustrating the monitoring results for September 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 September 4 th . The monitor had 100% uptime for the month of September. |
| PM₁₀ Concentrations | MetOne BAM-1020 Continuous Particulate Monitor | The PM ₁₀ monitor was calibrated on September 4 th . The monitor had 100% uptime for the month of September. |
| TSP Concentrations | MetOne BAM-1020 Continuous Particulate Monitor | The TSP monitor was calibrated on September 4 th . The monitor had 99.3% uptime for the month of September due to five hours of equipment malfunction in total occurring at 2:00 on September 9 th , 12 nd , 17 th , 28 th and 30 th . |
| Oxides of Nitrogen | TEI 42C | The NO _x monitor was calibrated on September 4 th . The monitor had 100% uptime for the month of September. |
| Sulphur Dioxide | Teledyne API 102A | The SO ₂ monitor was calibrated on September 4 th . The monitor had 100% uptime for the month of September. |
| Precipitation | MetOne 130 Rain/Snow Gauge | The monitor had 100% uptime for the month of September. |
| Wind Speed | MetOne Wind Sensor | The monitor had 100% uptime for the month of September. |
| Wind Direction | | |

| | | |
|----------------------------|-----------------------------------|---|
| Ambient Temperature | MetOne Ambient Temperature Sensor | The monitor had 100% uptime for the month of September. |
|----------------------------|-----------------------------------|---|



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

3.2 MONITORING RESULTS AND TRENDS

Table 3-2 summarizes the hourly and daily concentrations recorded in September 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 September 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 were no exceedances of the 24-hour PM_{2.5} AAAQO (29 µg/m³) or the 1-hour PM_{2.5} AAQG (80 µg/m³). There was 1 exceedance of the 24-hour TSP AAAQO (100 µg/m³).

Historically in September, the average number of 24-hour TSP AAAQO exceedances and 24-hour PM_{2.5} AAAQO exceedances are both zero. The maximum number of 24-hour TSP AAAQO exceedances recorded in September were 2 days in 2014.

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 September 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 | 6.9 | 23.8 | 27 | 3 | 3.5 | 27.2 | 10.3 | 30 | 100.0 |
| SO₂ (ppb) | 172 | 48 | Lagoon | 0 | 0 | 0.0 | 1.9 | 15.9 | 30 | 21 | 26.9 | 259.5 | 5.5 | 30 | 100.0 |
| PM_{2.5} (µg/m³) | 80 | 29 | Lagoon | 0 | 0 | 0.0 | 4.5 | 41.8 | 8 | 18 | 8.1 | 228.7 | 21.0 | 9 | 100.0 |
| PM₁₀ (µg/m³) | - | - | Lagoon | - | - | 0.0 | 27.6 | 281.7 | 25 | 14 | 43.9 | 248.8 | 79.6 | 25 | 100.0 |
| TSP (µg/m³) | - | 100 | Lagoon | - | 1 | 3.7 | 43.1 | 357.9 | 25 | 14 | 43.9 | 248.8 | 115.8 | 25 | 99.3 |
| Temperature (°C) | - | - | Lagoon | - | - | 0.3 | 13.8 | 31.0 | 6 | 17 | 14.1 | 240.9 | 20.4 | 25 | 100.0 |
| Wind Speed (km/hr)/Direction (degrees) | - | - | Lagoon | - | - | 0.1 | 13.1 | 43.9/W | 25 | 14 | 43.9 | 248.8 | 26.6/WSW | 25 | 100.0 |
| Precipitation (mm) | - | - | Lagoon | - | - | 0.0 | 0.1 | 3.0 ¹ | 11 | 1 | 4.9 | 56.4 | 59.5 ² | | 100.0 |

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

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

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

| Date | TSP (ug/m ³) | PM _{2.5} (ug/m ³) | Average Wind Direction (degrees) | Average Wind Speed (km/hr) | Average RH (%) | Root Cause (Provided by Lafarge) |
|---|---|--|-------------------------------------|-------------------------------|-------------------|-------------------------------------|
| Lagoon | | | | | | |
| 2024-09-25 | 115.8 | - | 242.7 | 26.6 | 37.7 | High wind event |
| Total # of Exceedances | 1 | 0 | | | | |
| Maximum # of Exceedances (September) | 2 (2014) | 0 (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023) | | | | |
| Average # of Exceedances (September) | 0 | 0 | | | | |
| Minimum # of Exceedances (September) | 0 (2011, 2012, 2013, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022) | 0 (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023) | | | | |

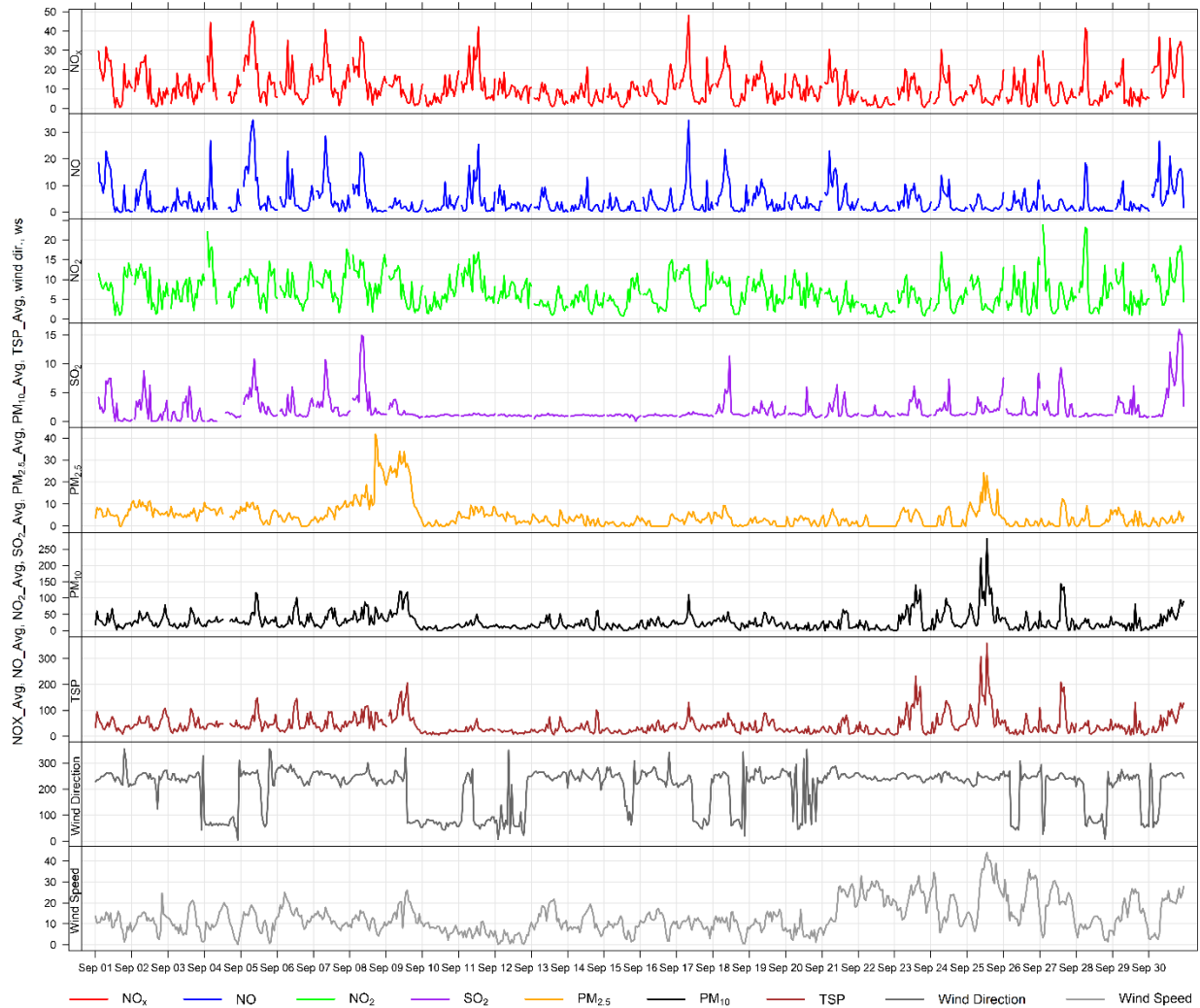


Figure 3-2 1-hour concentrations of NO_x, SO₂, particulate matter, wind direction and wind speed at the Lagoon station

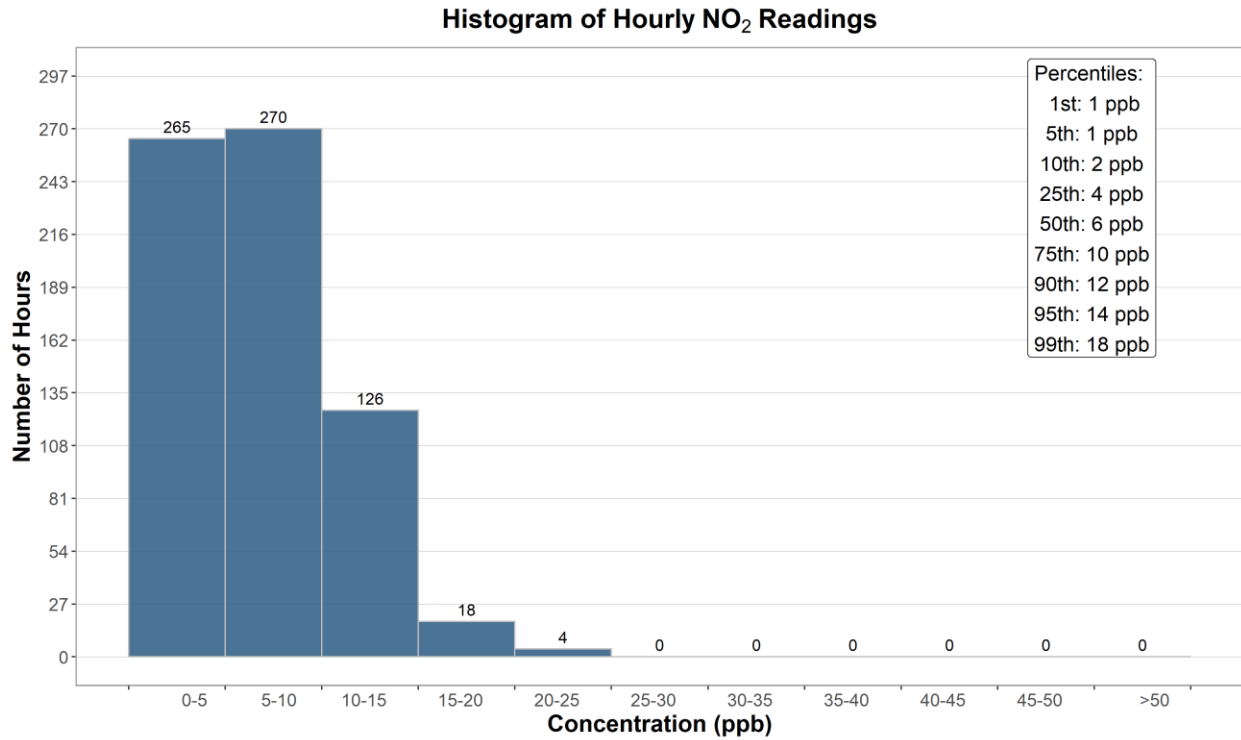


Figure 3-3 Histogram of hourly NO₂ concentrations at the Lagoon station

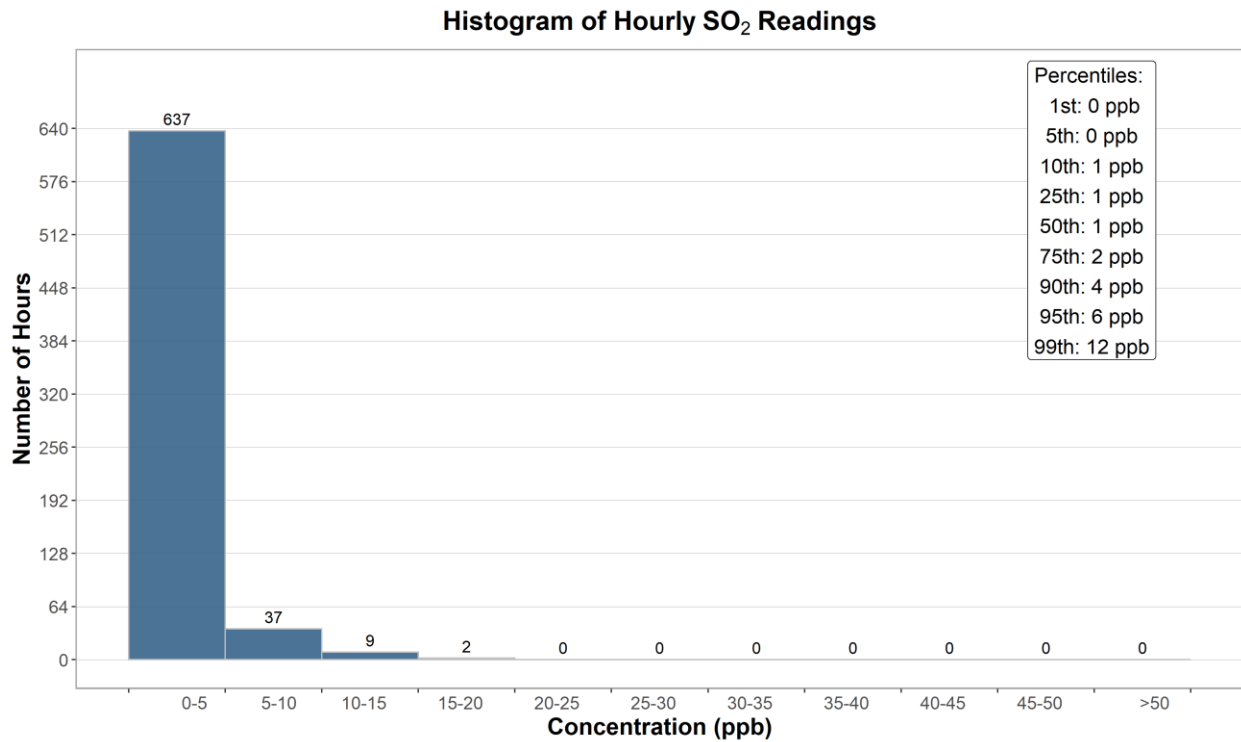


Figure 3-4 Histogram of hourly SO₂ concentrations at the Lagoon station

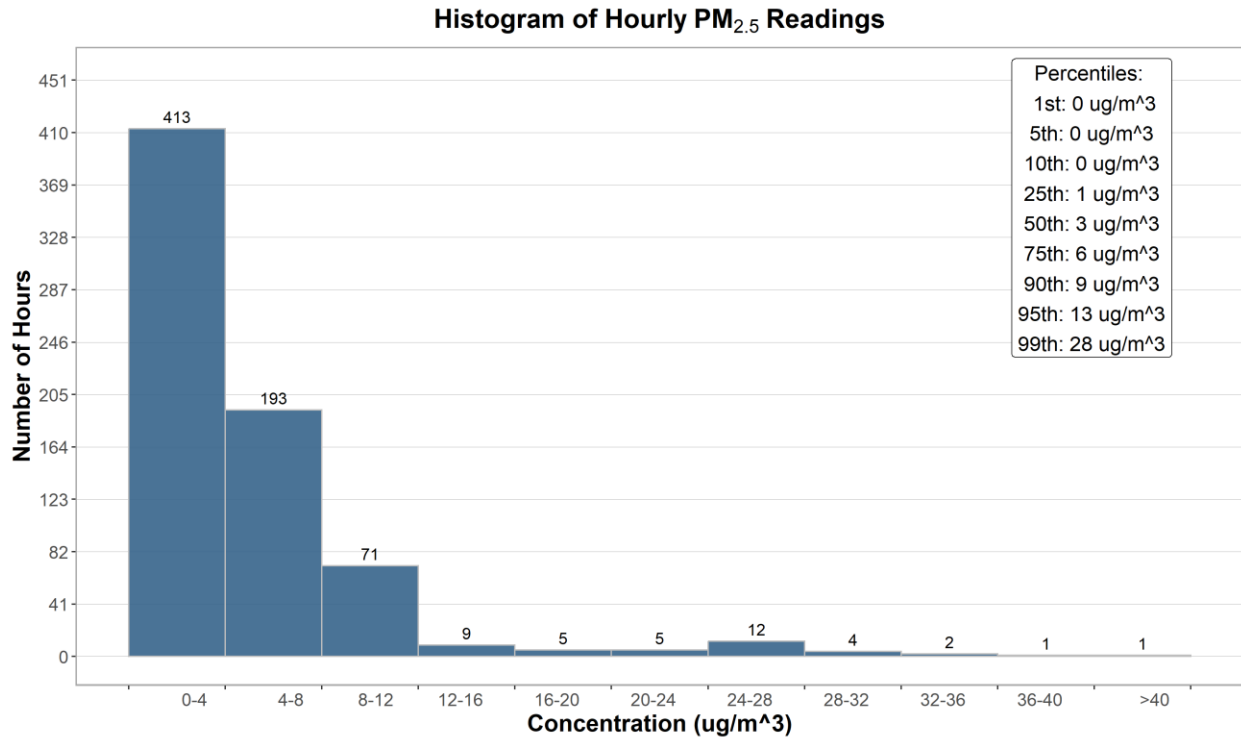


Figure 3-5 Histogram of hourly PM_{2.5} concentrations at the Lagoon station

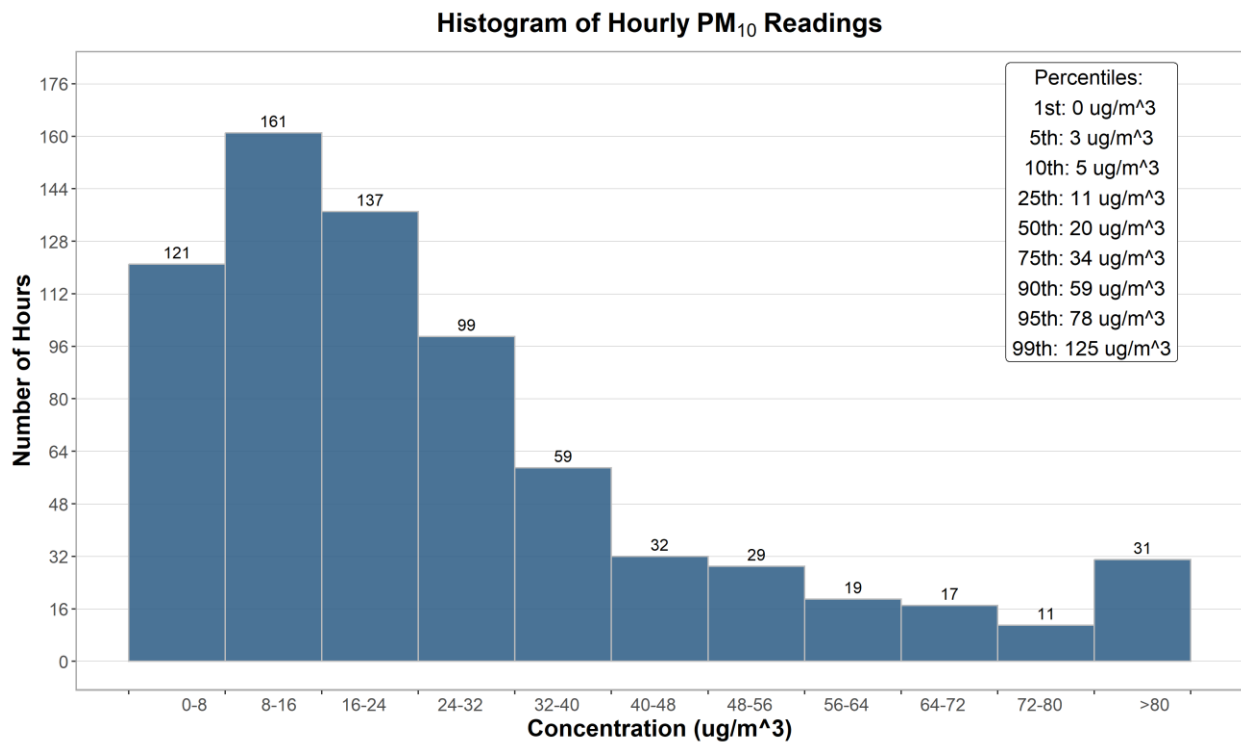


Figure 3-6 Histogram of hourly PM₁₀ concentrations at the Lagoon station

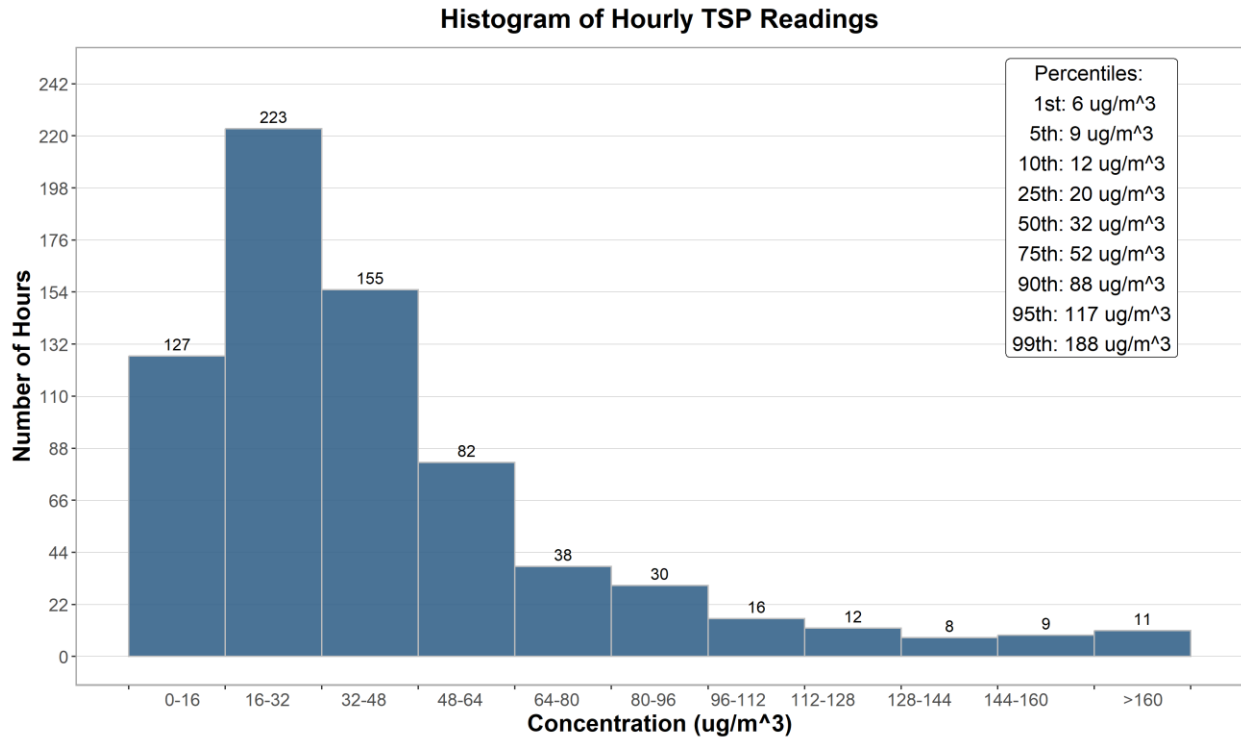


Figure 3-7 Histogram of hourly TSP concentrations at the Lagoon station

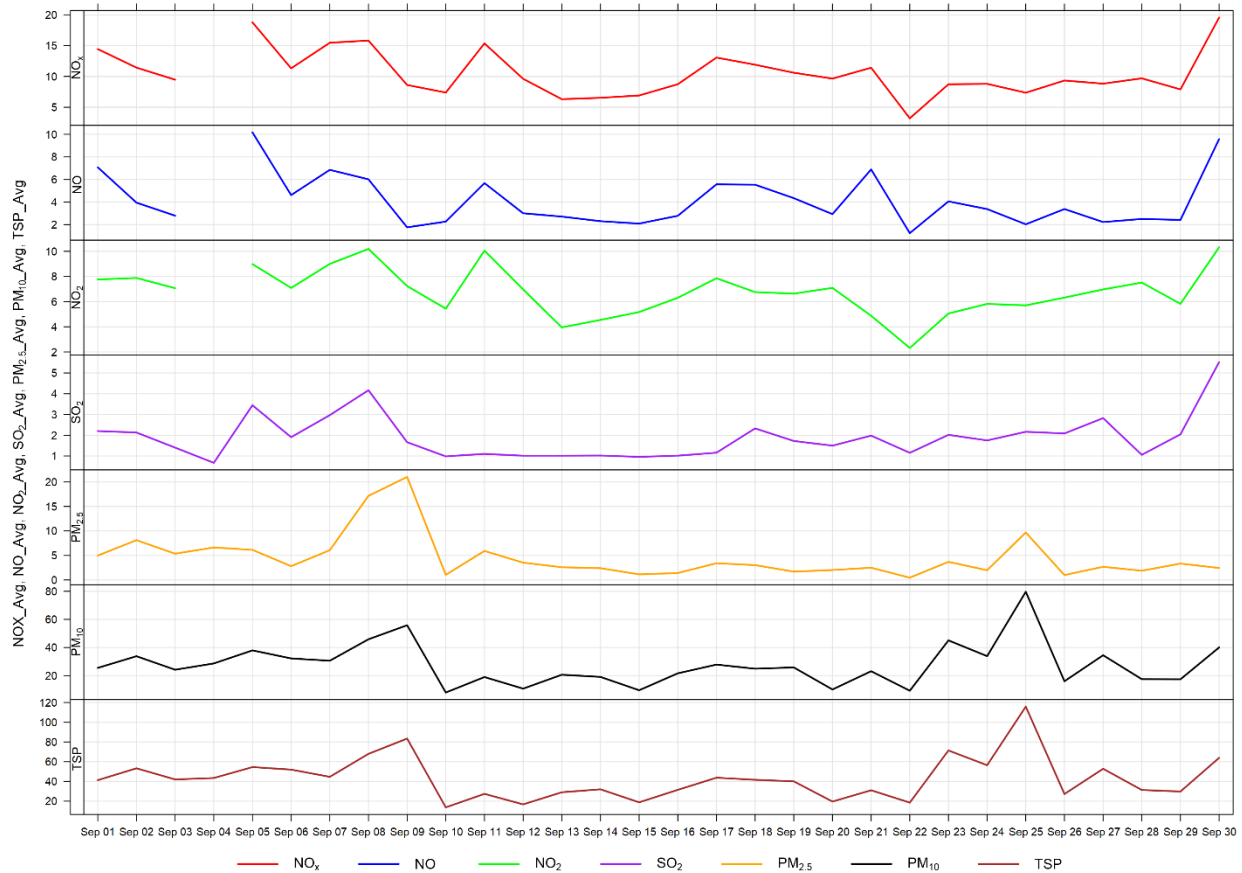


Figure 3-8 24-hour concentrations of NO_x, SO₂, and particulate matter at the Lagoon monitor

Figure 3-9 shows the wind rose for the 1 day of TSP exceedance. The wind rose shows that the winds predominately came from the west-southwest, in high wind speed (26.6 km/h), suggesting impacts of windblown dust from the direction of the Lafarge Facility.

Figure 3-10 through Figure 3-12 show the variation in concentrations over various time averaging periods for PM, SO₂ and NO_x. The particulate matter plot in Figure 3-10 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 3-11 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 3-12 shows the variation of NO_x, NO and NO₂, with the peak of all three pollutants occurring in the early morning. This may be indicative of a peak in traffic.

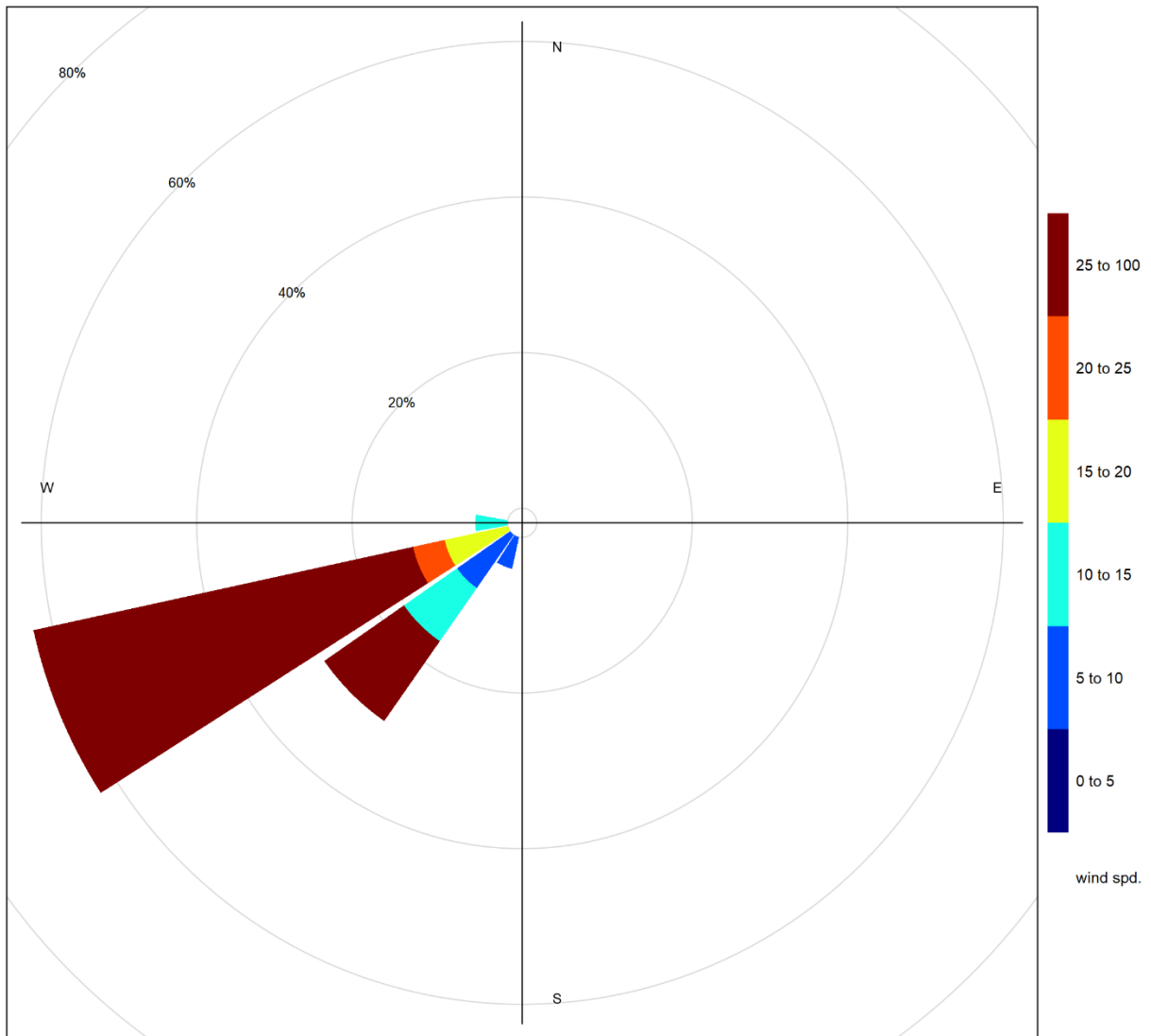


Figure 3-9 Wind rose for TSP exceedance days recorded at the Lagoon Station

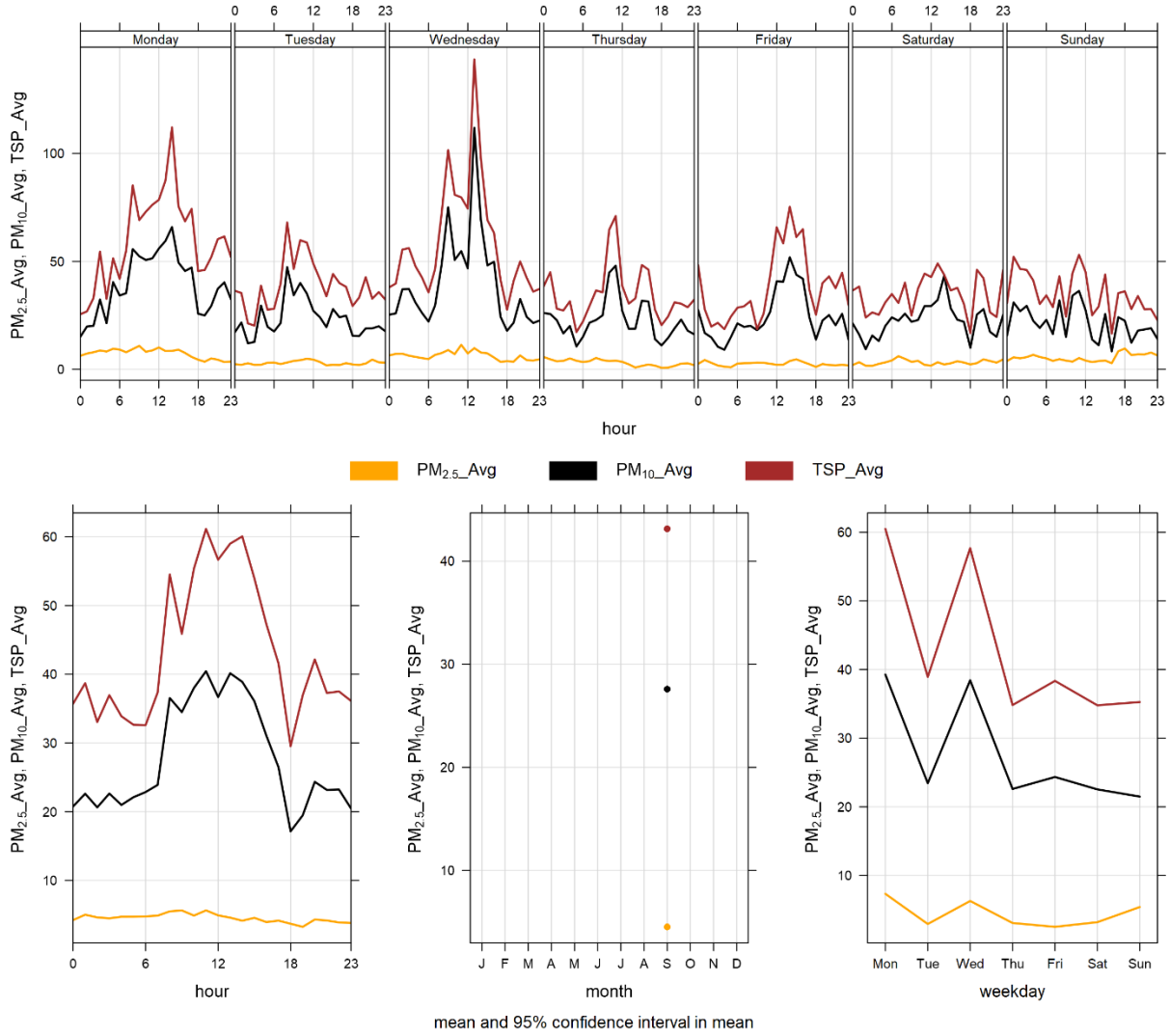


Figure 3-10 Lagoon monitor particulate matter time variation

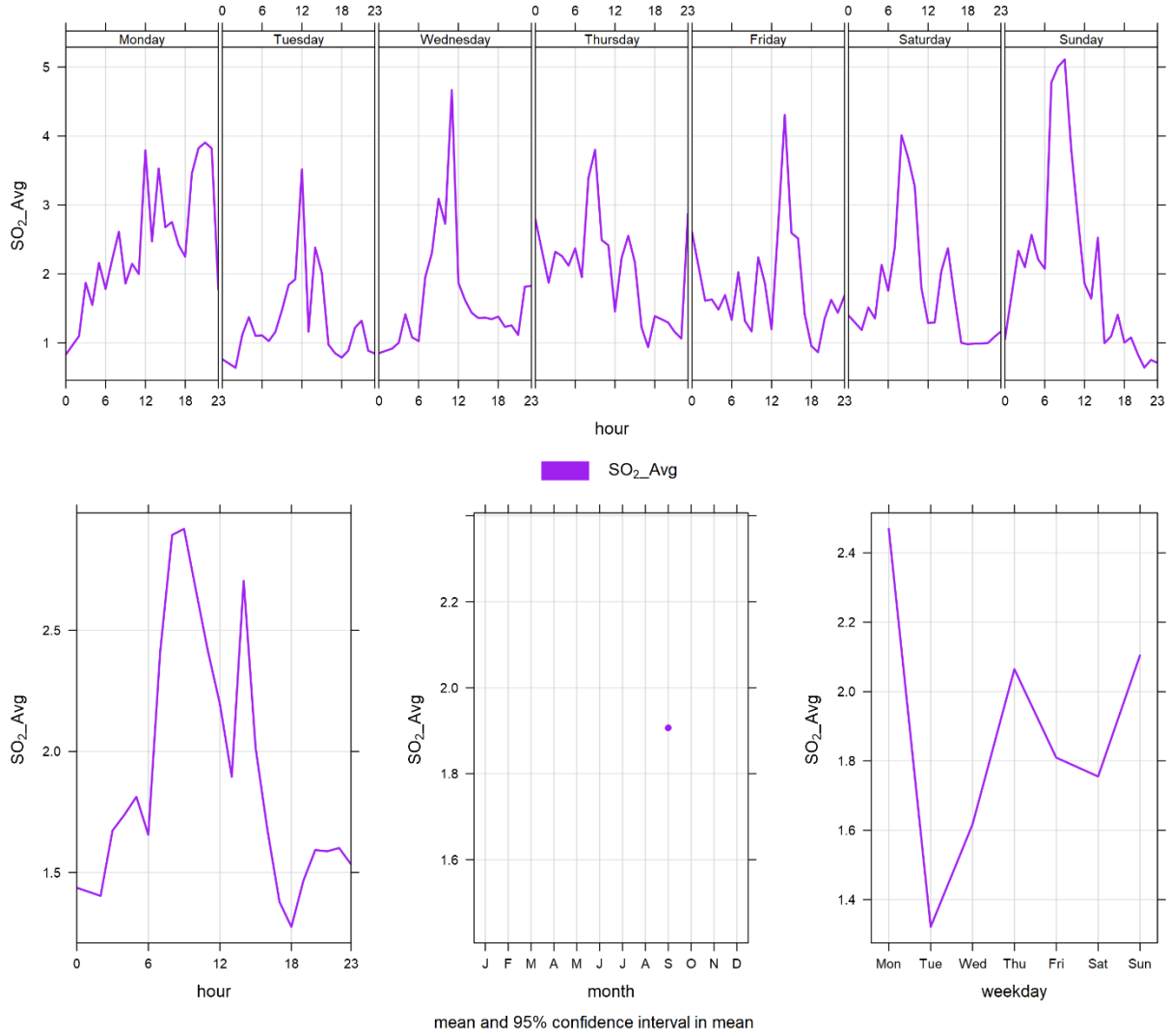


Figure 3-11 Lagoon monitor SO₂ time variation

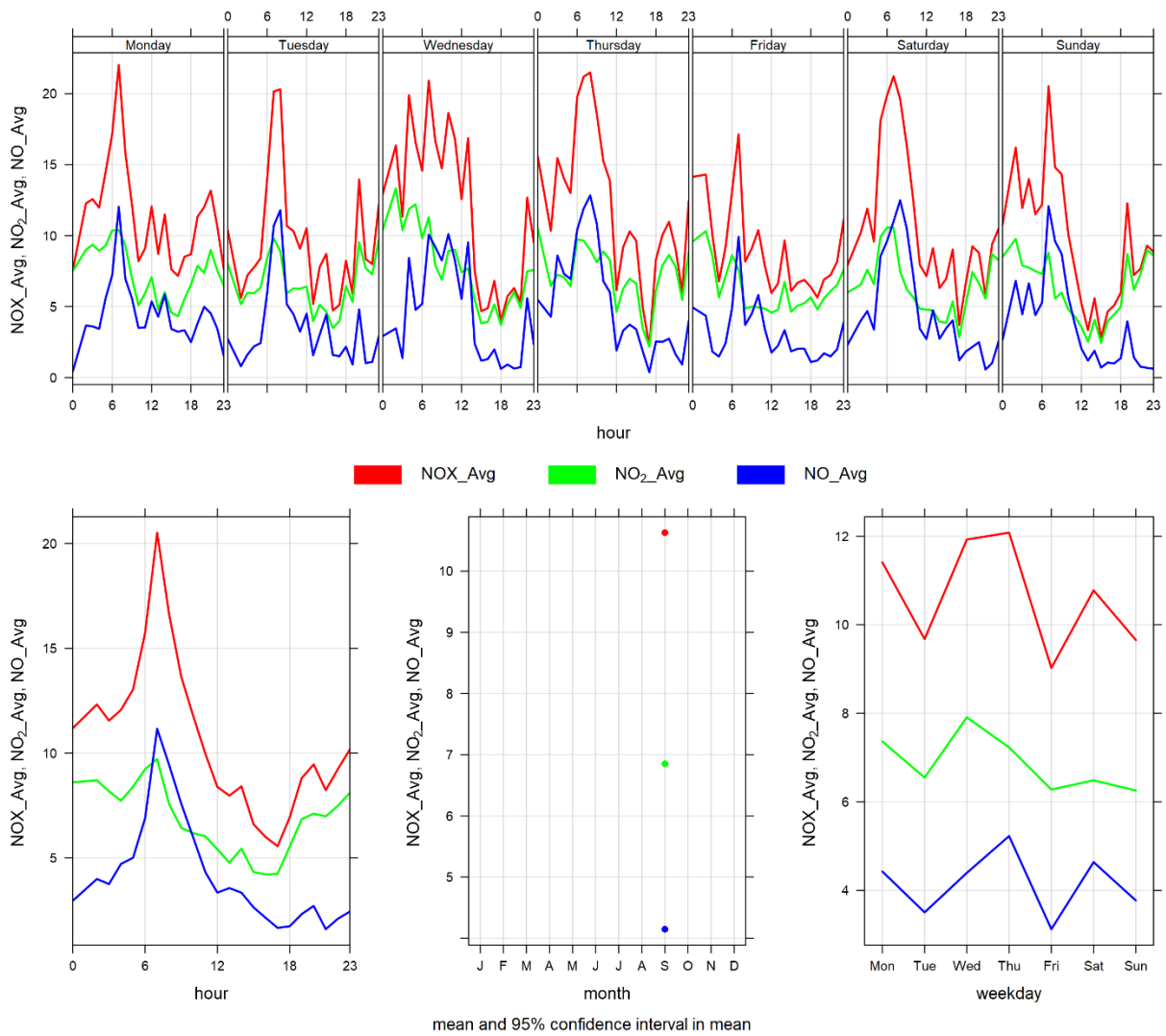


Figure 3-12 Lagoon monitor NO_x time variation

4 WINDRIDGE STATION

The Windridge station contains TSP, PM₁₀, and PM_{2.5} analyzers only. This section provides a summary of the monitoring activities for the Windridge ambient air quality station, including: a table of instrumentation (Table 4-1), a data summary table (Table 4-2), a table of recorded exceedances (Table 4-3), site visit notes, and graphs illustrating the monitoring results for September 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 September 5 th . The monitor recorded 100% uptime for the month of September due to one hour of equipment malfunction occurring on September 19 th at 1:00. |
| PM₁₀ Concentrations | MetOne BAM-1020 Continuous Particulate Monitor | The PM _{2.5} monitor calibrated on September 5 th . The monitor recorded 99.9% uptime for the month of September due to one hour of non-routine maintenance occurring on September 23 rd at 15:00. |
| TSP Concentrations | MetOne BAM-1020 Continuous Particulate Monitor | The TSP monitor was calibrated on September 5 th . The monitor recorded 95.5% uptime for the month of September due to 27 hours of equipment malfunction from 8:00 on September 22 nd to 10:00 on September 23 rd and six hours of non-routine maintenance occurring from 11:00 to 16:00 on September 23 rd . |

4.2 MONITORING RESULTS AND TRENDS

Table 4-2 summarizes the hourly and daily concentrations recorded in September 2024, and Table 4-3 summarizes the recorded exceedances. Figure 4-1 illustrates the time series for hourly PM, Figure 4-2 to Figure 4-4 illustrates the histograms for hourly PM, Figure 4-5 illustrates the time series for daily PM, Figure 4-6 displays the wind rose for the 24-hour TSP and while **Error! Reference source not found.** displays the wind rose for the 24-hour PM_{2.5} exceedance days, and Figure 4-8 illustrates the time series for hourly PM over different time periods.

There was one exceedance of the 24-hour PM_{2.5} AAAQO (29µg/m³), four exceedances of the 1-hour PM_{2.5} AAAQG (80 µg/m³), and four exceedances of the 24-hour TSP AAAQO (100 µg/m³).

Historically in September, the average number of 24-hour TSP AAAQO exceedances and 24-hour PM_{2.5} AAAQO exceedances is 5 and 0, respectively. The maximum number of 24-hour TSP and PM_{2.5} AAAQO exceedances recorded in September were 8 days in 2022 and 2023, and 2 days in 2022, respectively.

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

Table 4-2 Summary of September 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 | 4 | 1 | 0.0 | 6.8 | 227.0 | 2 | 20 | 6.5 | 236.9 | 33.0 | 2 | 100.0 |
| PM₁₀ (µg/m ³) | - | - | Windridge | - | - | 0.0 | 45.3 | 485.0 | 25 | 19 | 29.2 | 235.4 | 204.8 | 25 | 99.9 |
| TSP (µg/m ³) | - | 100 | Windridge | - | 4 | 0.0 | 67.9 | 935.0 | 25 | 14 | 43.9 | 248.8 | 347.8 | 25 | 95.4 |

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

| Date | TSP (ug/m ³) | PM _{2.5} (ug/m ³) | Average Wind Direction (degrees) | Average Wind Speed (km/hr) | Average RH (%) | Root Cause (Provided by Lafarge) |
|---|-----------------------------|---|-------------------------------------|-------------------------------|-------------------|-------------------------------------|
| Windridge | | | | | | |
| 2024-09-02 | - | 33.0 | 248.8 | 11.5 | 44.6 | |
| 2024-09-24 | 102.5 | - | 245.5 | 17.1 | 42.5 | |
| 2024-09-25 | 347.8 | - | 242.7 | 26.6 | 37.7 | High wind event |
| 2024-09-27 | 208.2 | - | 245.6 | 19.7 | 34.8 | |
| 2024-09-30 | 120.9 | - | 253.4 | 16.1 | 46.7 | |
| Total # of Exceedances | 4 | 1 | | | | |
| Maximum # of Exceedances (September) | 8 (2022, 2023) | 2 (2022) | | | | |
| Average # of Exceedances (September) | 5 | 0 | | | | |
| Minimum # of Exceedances (September) | 0 (2018) | 0 (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2020, 2021) | | | | |

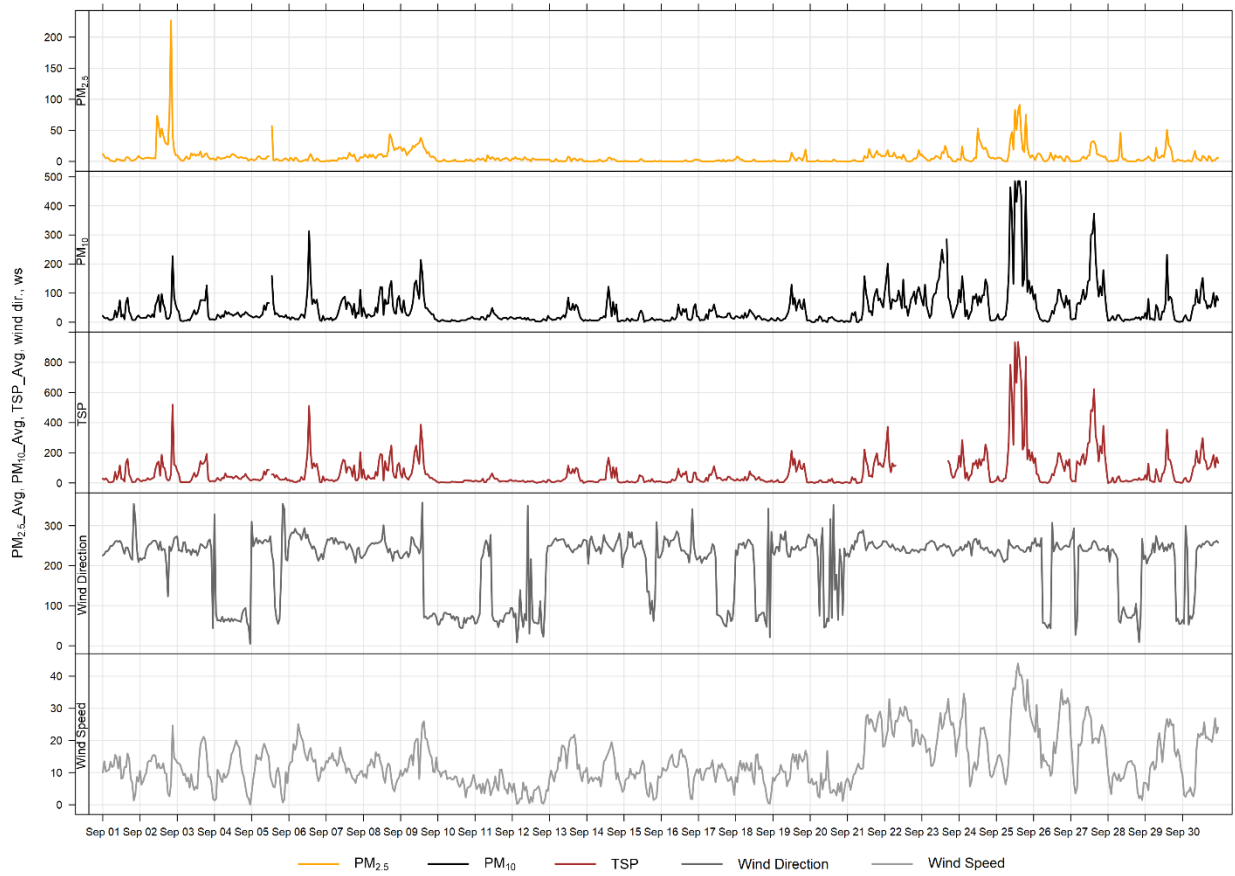


Figure 4-1 1-hour particulate matter concentrations recorded at the Windridge monitor

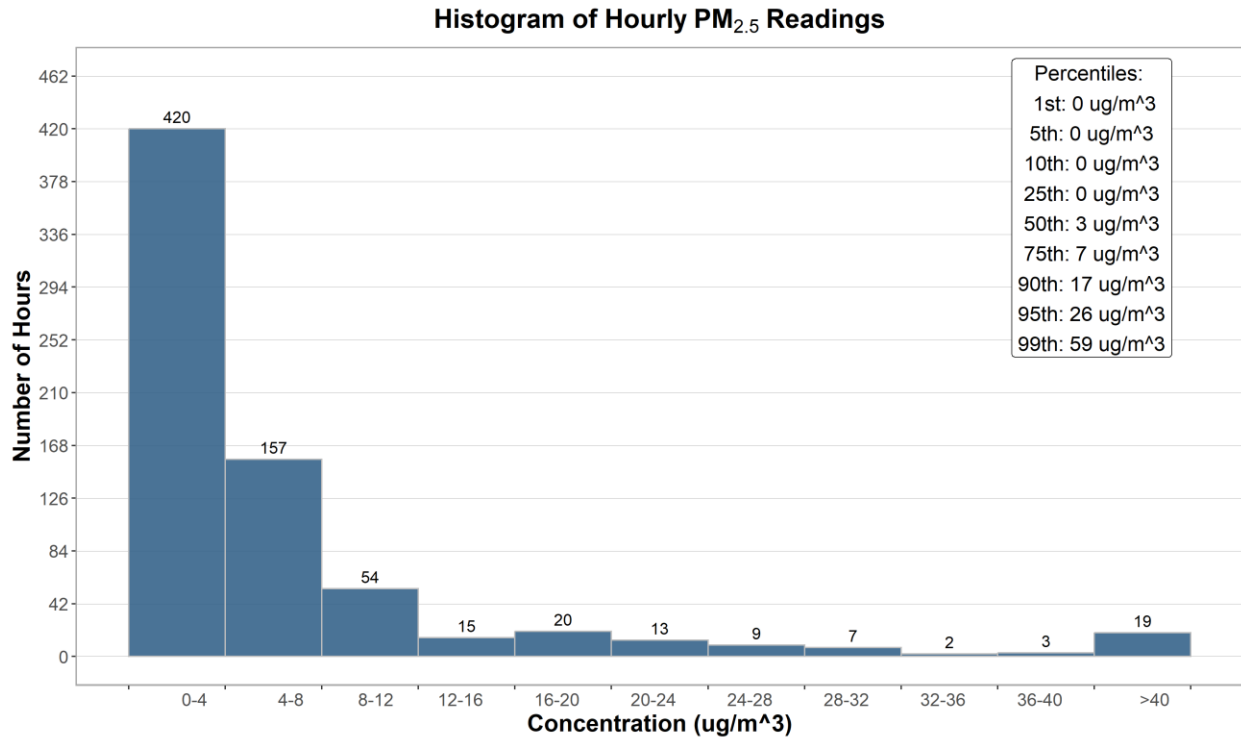


Figure 4-2 Histogram of hourly PM_{2.5} concentrations at the Windridge station

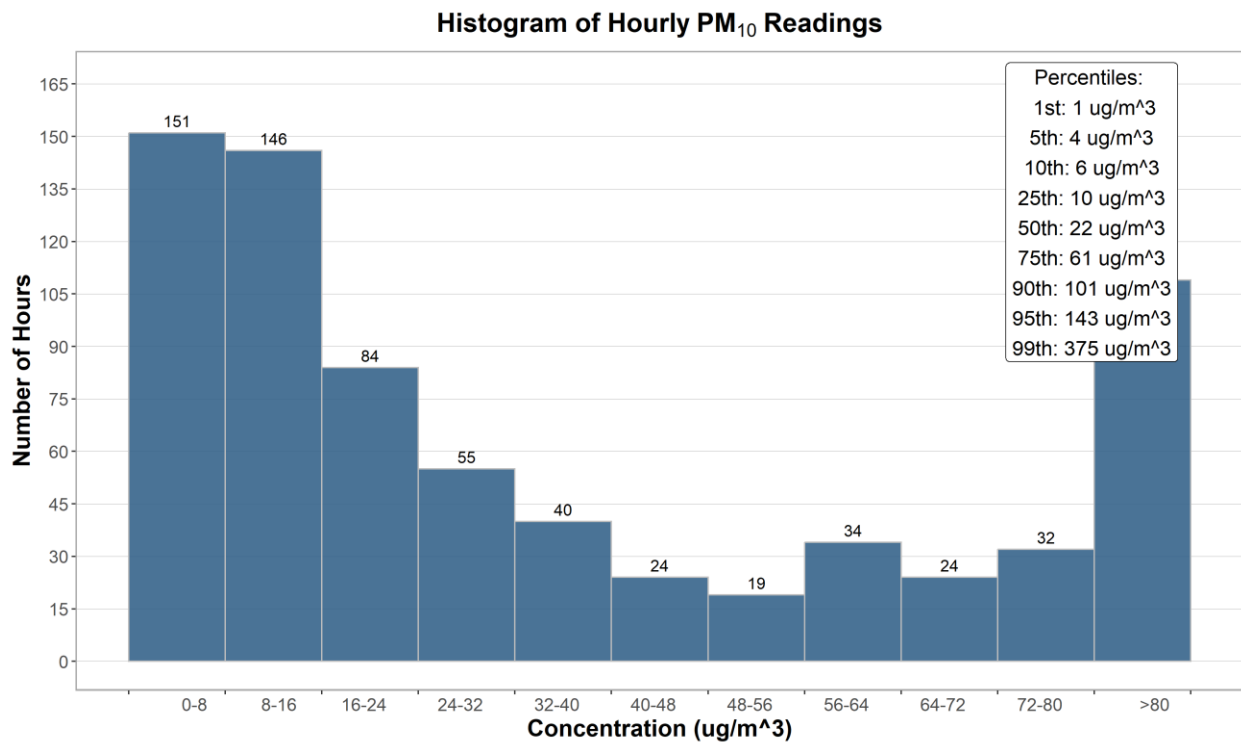


Figure 4-3 Histogram of hourly PM₁₀ concentrations at the Windridge station

Histogram of Hourly TSP Readings

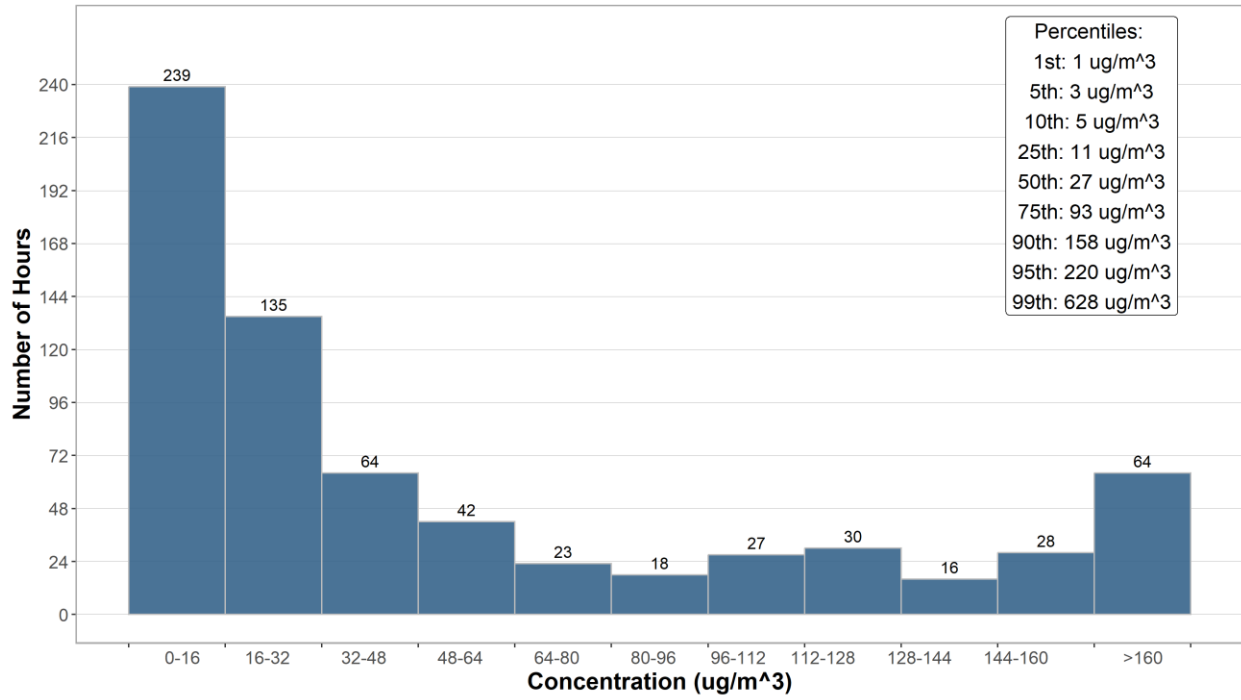


Figure 4-4 Histogram of hourly TSP concentrations at the Windridge station

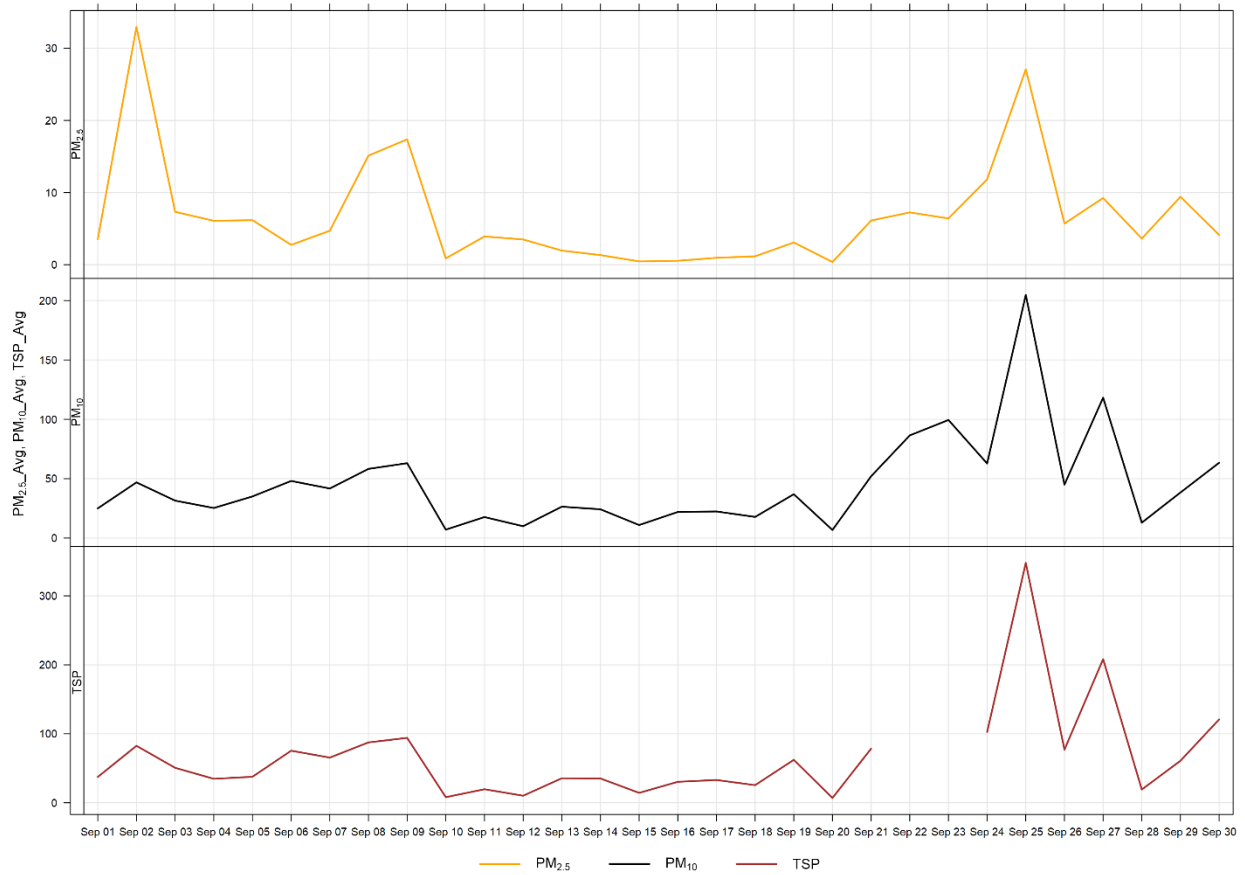


Figure 4-5 24-hour particulate matter concentrations at the Windridge monitor

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

Figure 4-7 shows the wind rose for the 1 day of PM_{2.5} exceedance in September. The wind rose shows that the winds predominately came from the west-southwest, suggesting impacts from the direction of the Lafarge Facility.

Figure 4-8 illustrates the hourly PM concentrations recorded at the Windridge monitor, averaged over different time periods. The plot across the top shows the variation of PM over the course of a week, while the bottom three plots show the changes in PM over the course of a day, month and weekday, respectively. Figure 4-8 is based on data collected during September 2024. Similar to the Lagoon station, the data shows a diurnal pattern associated with Lafarge operations, daytime emissions from traffic. The diurnal patterns also follow the diurnal pattern of higher wind speeds during the daytime hours.

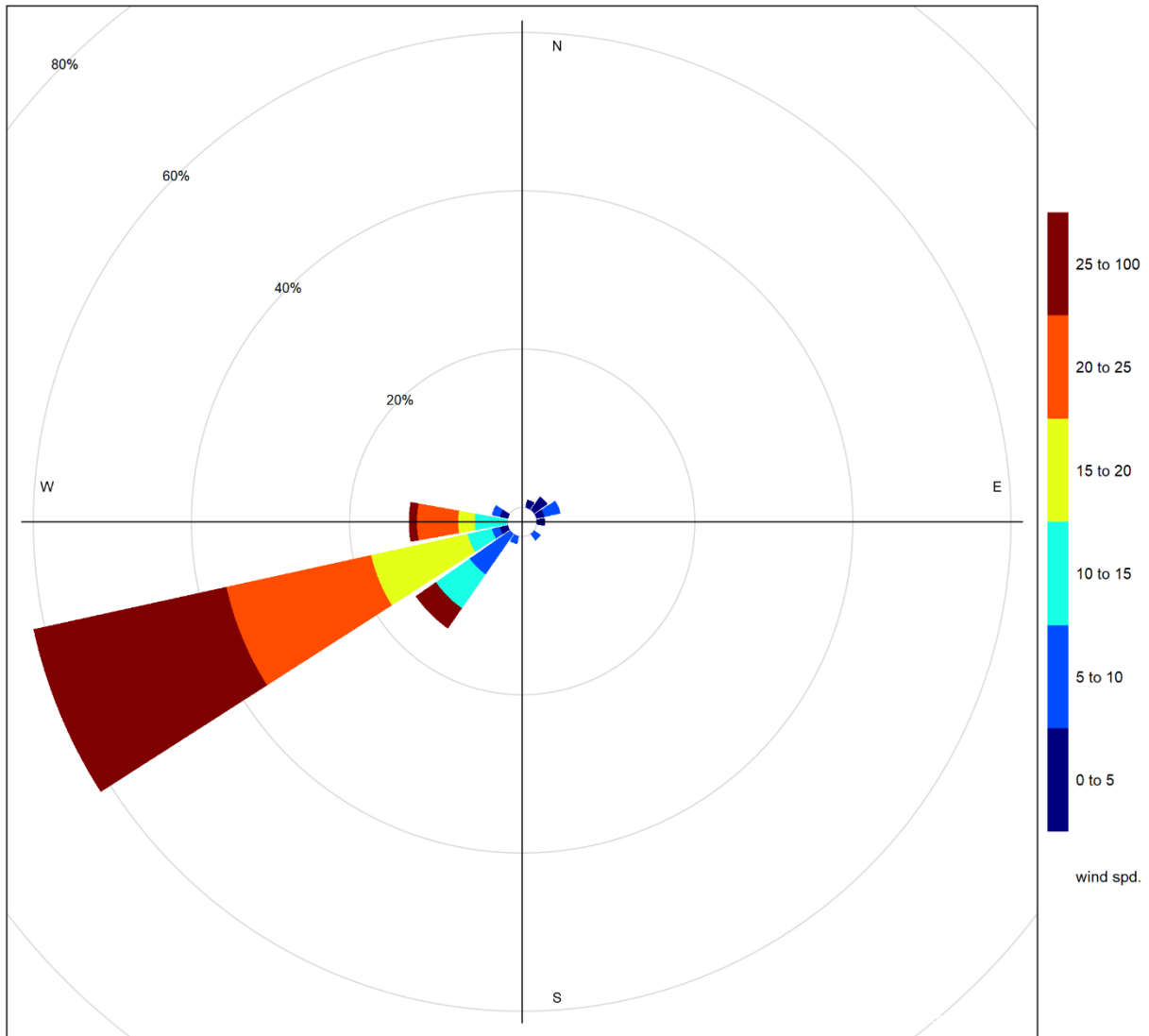


Figure 4-6 Wind rose for TSP exceedance days recorded at the Windridge Station

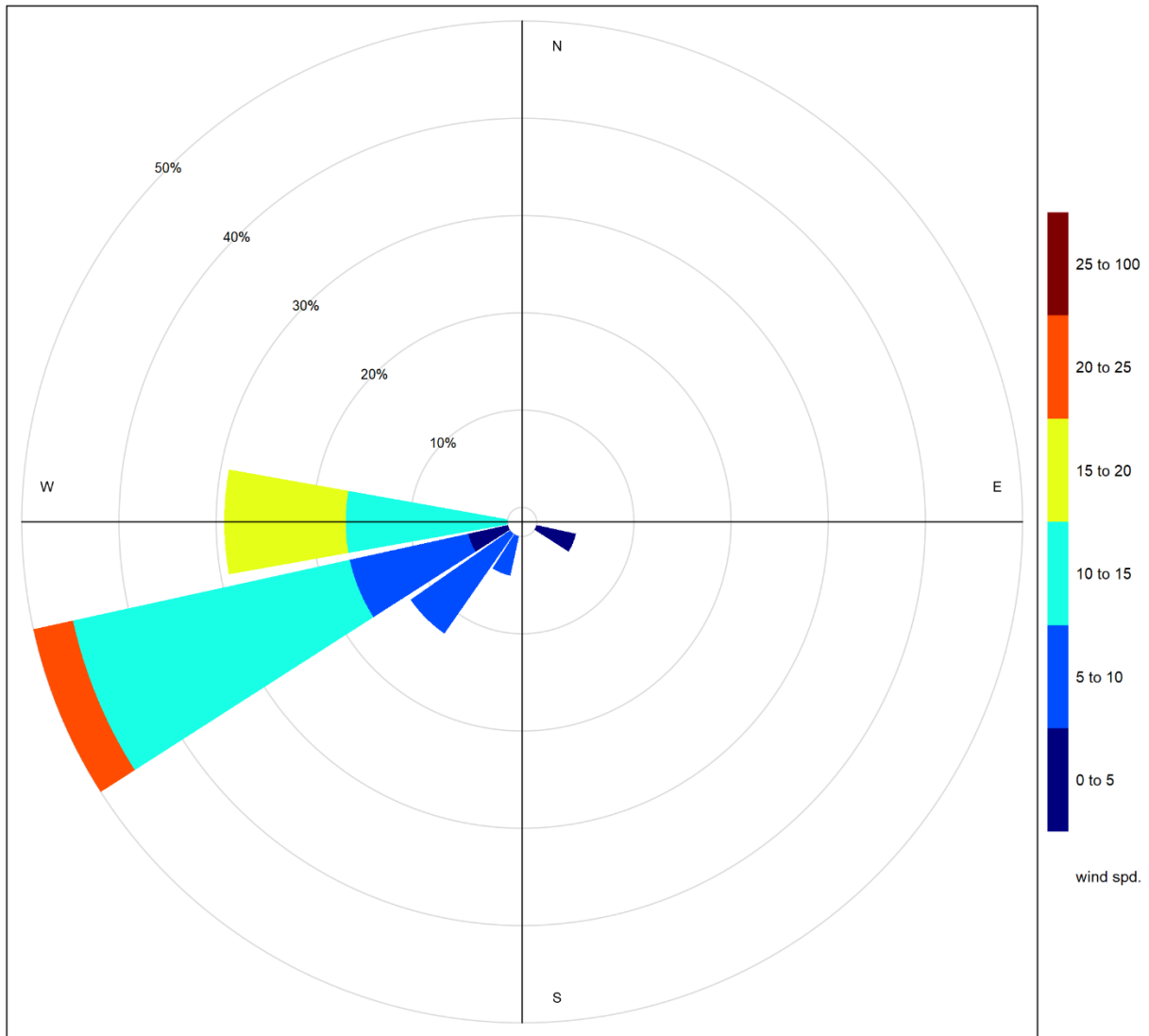


Figure 4-7 Wind rose for PM_{2.5} exceedance days recorded at the Windridge Station

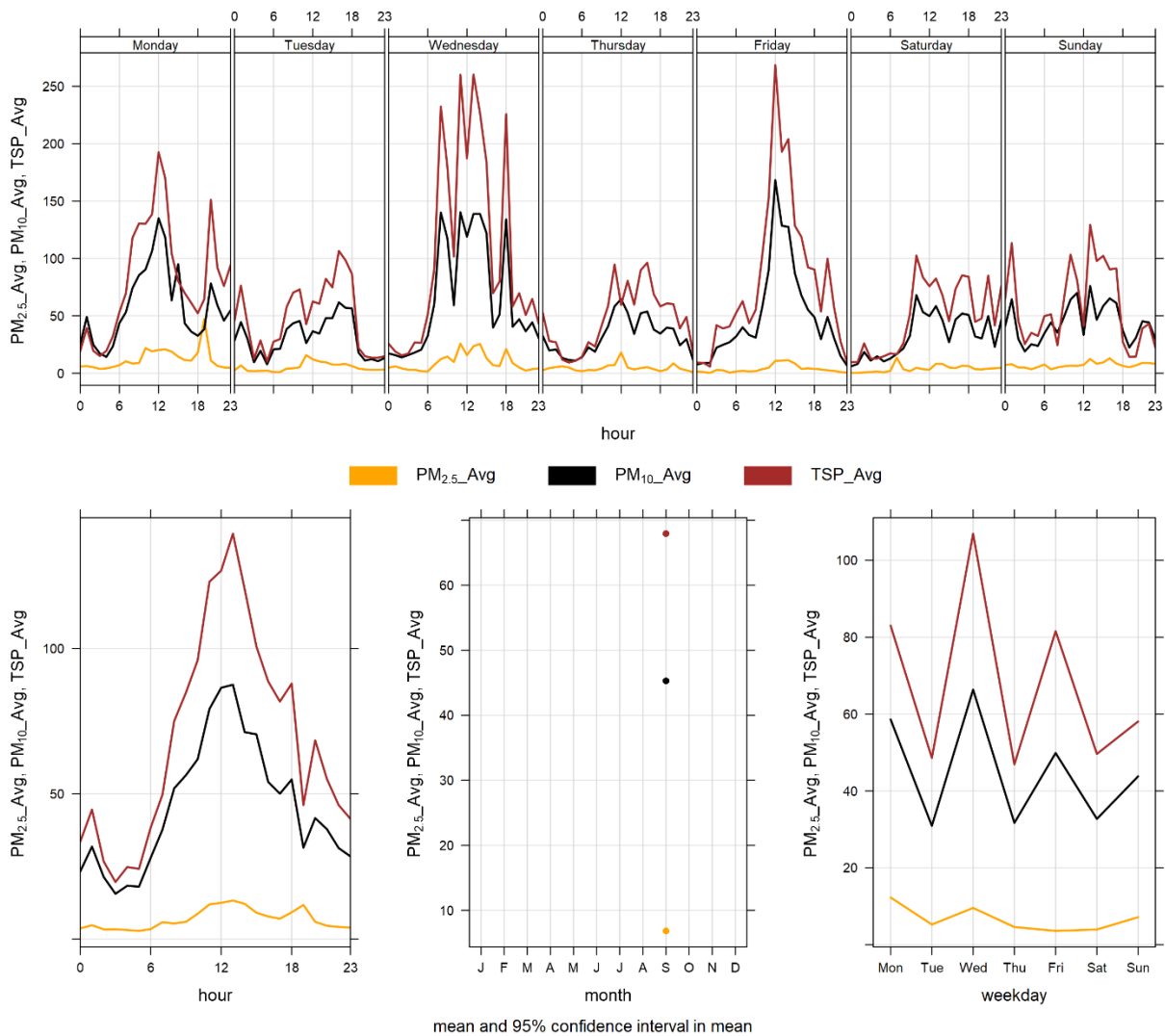


Figure 4-8 Windridge particulate matter time variation

5 BERM INDUSTRIAL GRIMM

5.1 OPERATIONAL SUMMARY

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

Table 5-1 Instrumentation List at the Berm monitoring location

| Parameter Measured | Equipment Description | Notes |
|---|--|---|
| PM _{2.5} , PM ₁₀ , TSP Concentrations | GRIMM 365 Continuous Particulate Monitor | The analyzer had 100% uptime during the month of September. |

5.2 MONITORING RESULTS AND TRENDS

The Berm monitor was placed at its current location as a result of the dispersion modelling conducted for the facility. Figure 5-1 and Figure 5-2 show the hourly and daily PM_{2.5}, PM₁₀, and TSP concentrations recorded over the month. Table 5-2 summarizes the maximum 1-hour and 24-hour PM concentrations recorded during the month, and Table 5-3 summarizes the recorded exceedances. This is an industrial monitor that is not Alberta Air Monitoring Directive (AMD) compliant and is not required to show compliance with the AAAQO.

There were 17 exceedances of the 24-hour TSP Guideline (100 µg/m³). There were 4 exceedances of the 24-hour PM_{2.5} (29 µg/m³) and 12 hours exceeding the 1-hour PM_{2.5} Guideline due to wildfire smoke. The low data completeness this month should be noted when interpreting results.

Historically during the month of July, the Berm monitor records an average of 11 and 0 exceedances of the 24-hour TSP and PM_{2.5} guidelines, respectively. The maximum number of TSP exceedances recorded during September 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 September was 1 day in 2012, 2021, 2022 and 2023.

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

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

Table 5-2 Summary of September 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} (µg/m ³) | 80 | 29 | Berm | 12 | 4 | 0.3 | 14.3 | 134.3 | 6 | 13 | 16.5 | 260.6 | 50.1 | 25 | 100.0 |
| PM₁₀ (µg/m ³) | - | - | Berm | - | - | 0.3 | 69.8 | 1048.7 | 25 | 16 | 40.4 | 239.1 | 361.5 | 25 | 100.0 |
| TSP (µg/m ³) | - | 100 | Berm | - | 17 | 0.3 | 185.4 | 3012.4 | 25 | 15 | 40.3 | 242.0 | 1054.6 | 25 | 100.0 |

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

| Date | TSP (ug/m ³) | PM _{2.5} (ug/m ³) | Average Wind Direction (degrees) | Average Wind Speed (km/hr) | Average RH (%) | Root Cause (Provided by Lafarge) |
|-------------|--------------------------|--|----------------------------------|----------------------------|----------------|----------------------------------|
| Berm | | | | | | |
| 2024-09-01 | 128.2 | - | 243.9 | 10.6 | 49.9 | |
| 2024-09-02 | 201.6 | - | 248.8 | 11.5 | 44.6 | |
| 2024-09-03 | 133.6 | - | 245.4 | 10.2 | 51.1 | |
| 2024-09-06 | 267.7 | - | 263.9 | 15.2 | 33.7 | |
| 2024-09-07 | 138.7 | - | 251.3 | 11.8 | 36.9 | |
| 2024-09-08 | 144.6 | - | 247.7 | 10.6 | 41.4 | |
| 2024-09-09 | 153.0 | 31.0 | 240.1 | 15.3 | 51.5 | |
| 2024-09-19 | 124.6 | - | 249.3 | 11.4 | 55.2 | |
| 2024-09-21 | 132.5 | - | 254.3 | 18.2 | 60.0 | |
| 2024-09-22 | 358.2 | - | 241.3 | 24.8 | 43.8 | High wind event |
| 2024-09-23 | 616.9 | 30.0 | 245.2 | 21.5 | 48.7 | High wind event |
| 2024-09-24 | 332.0 | - | 245.5 | 17.1 | 42.5 | |
| 2024-09-25 | 1054.6 | 50.1 | 242.7 | 26.6 | 37.7 | High wind event |
| 2024-09-26 | 233.2 | - | 254.5 | 21.8 | 53.0 | High wind event |

| 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 | | | | | | |
| 2024-09-27 | 577.5 | 34.2 | 245.6 | 19.7 | 34.8 | |
| 2024-09-29 | 165.5 | - | 246.0 | 16.6 | 59.9 | |
| 2024-09-30 | 389.9 | - | 253.4 | 16.1 | 46.7 | |
| Total # of Exceedances | 17 | 4 | | | | |
| Maximum # of Exceedances (September) | 22 (2010) | 1 (2012, 2021, 2022, 2023) | | | | |
| Average # of Exceedances (September) | 11 | 0 | | | | |
| Minimum # of Exceedances (September) | 4 (2018) | 0 (2010, 2011, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020) | | | | |

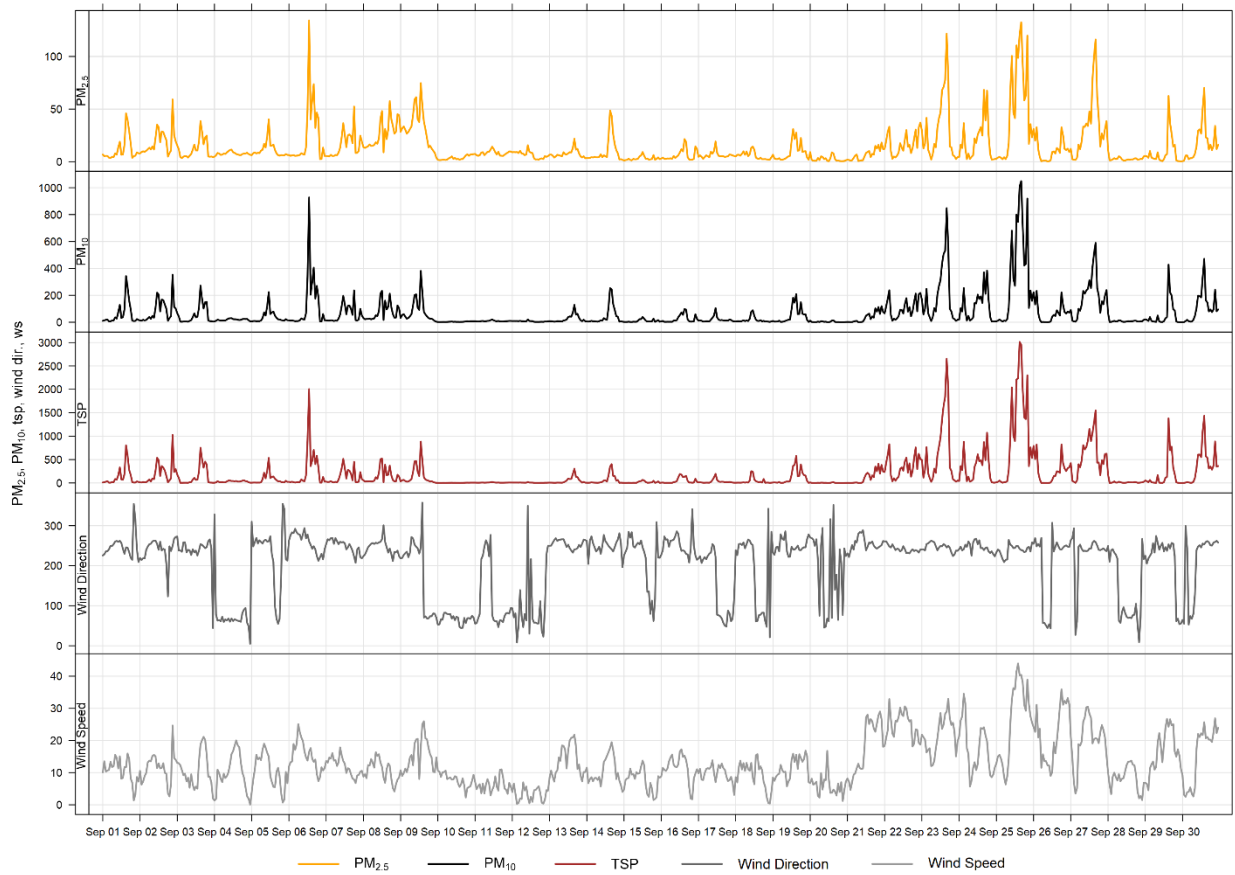


Figure 5-1 1-hour particulate matter concentrations at the Berm monitor

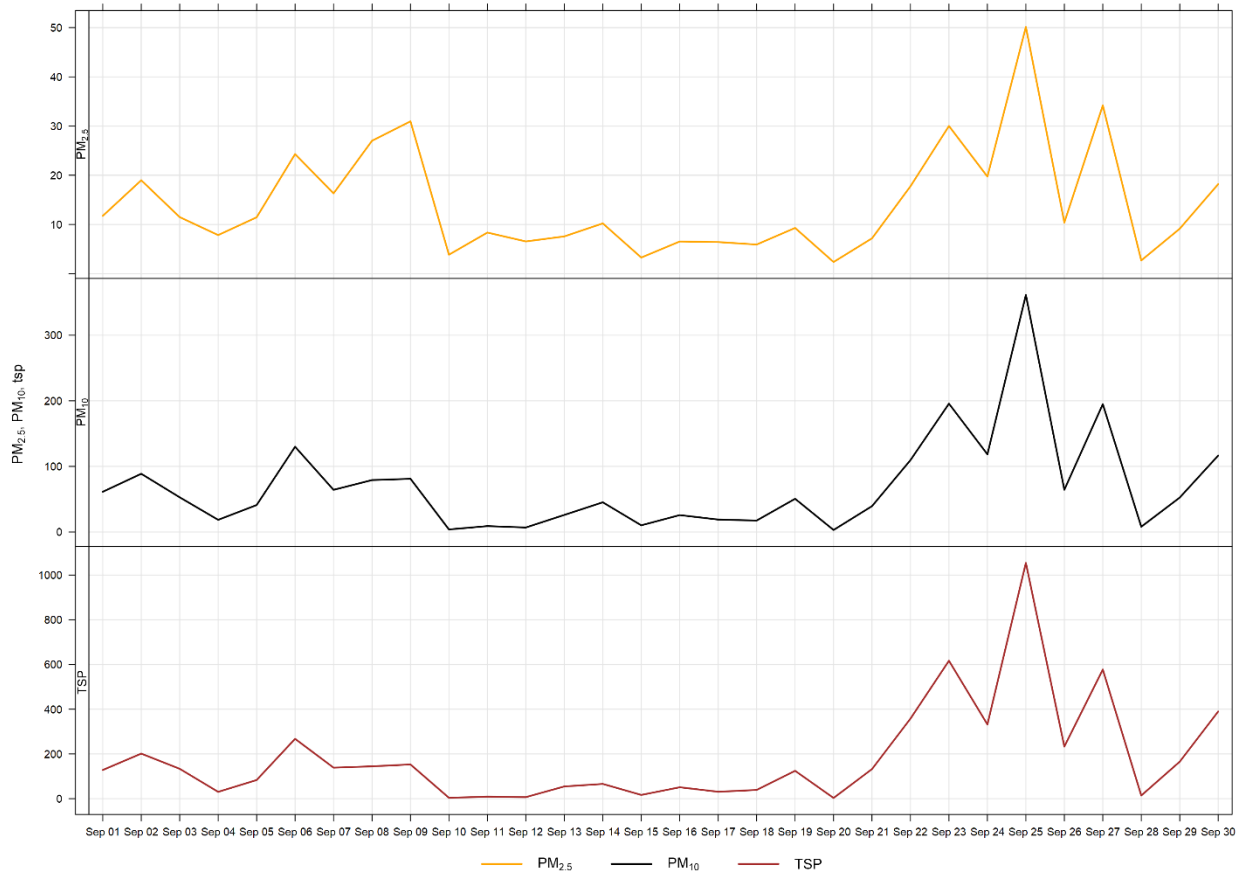


Figure 5-2 24-hour particulate matter concentrations at the Berm monitor

Figure 5-3 shows the wind rose for the 17 days of TSP exceedances. Figure 5-4 shows the wind rose for the 4 days of PM_{2.5} exceedances. The wind rose shows that the wind predominately came from the west-southwest direction, in high wind speed (>20 km/h), suggesting impacts of windblown dust from the direction of the Lafarge Facility.

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

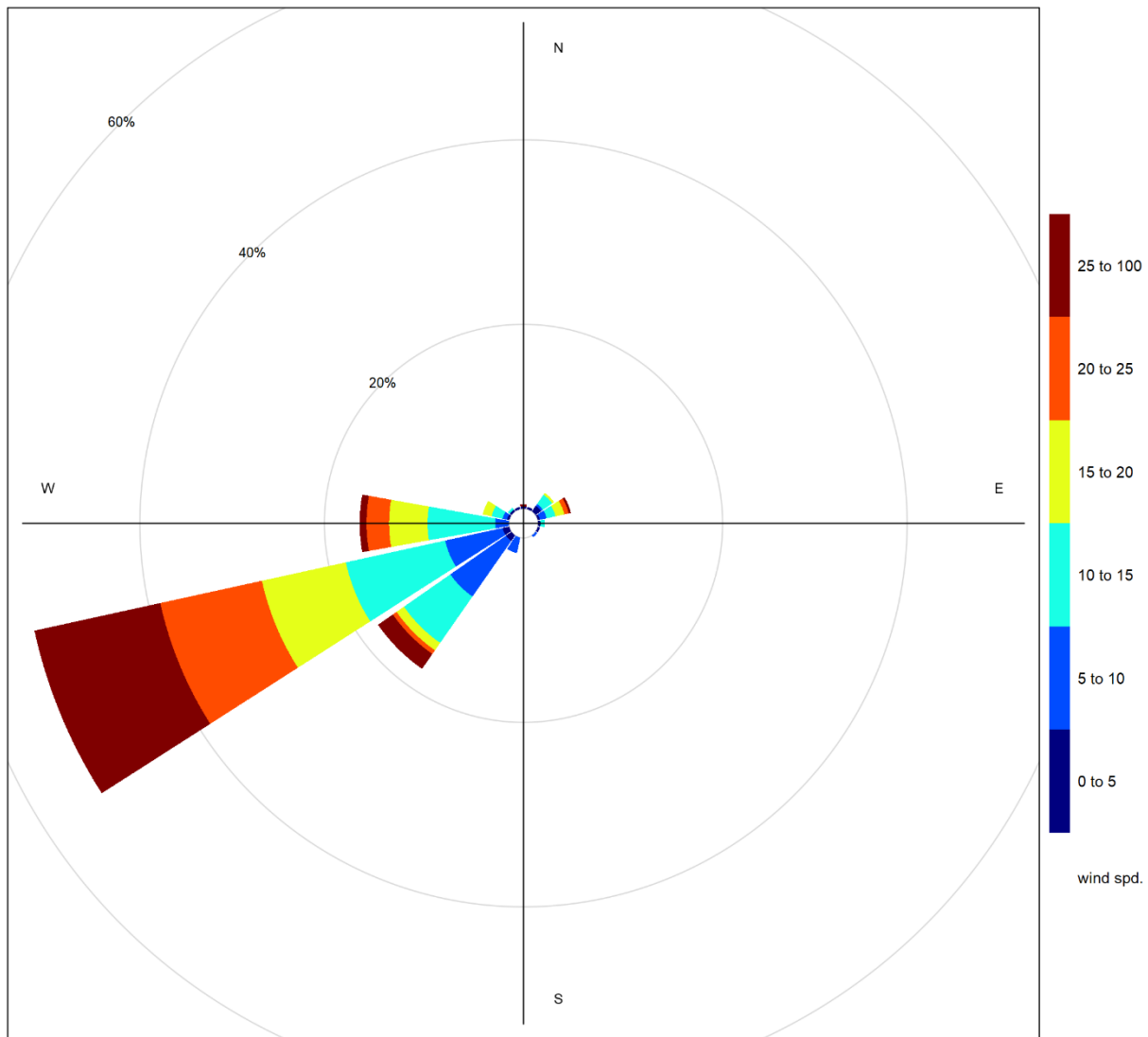


Figure 5-3 Windrose for TSP exceedance days recorded at the Berm GRIMM

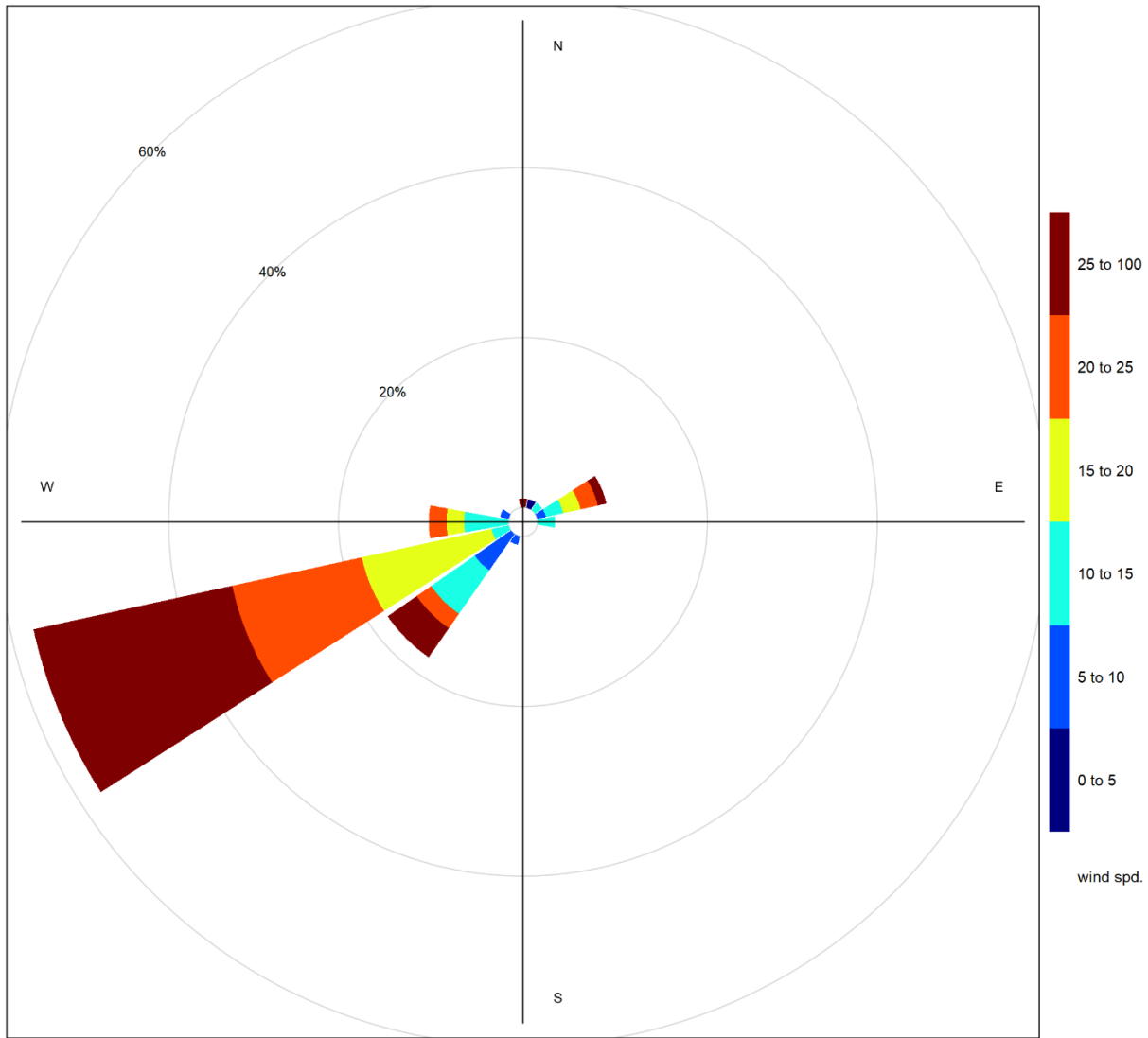


Figure 5-4 Windrose for PM_{2.5} exceedance days recorded at the Berm GRIMM

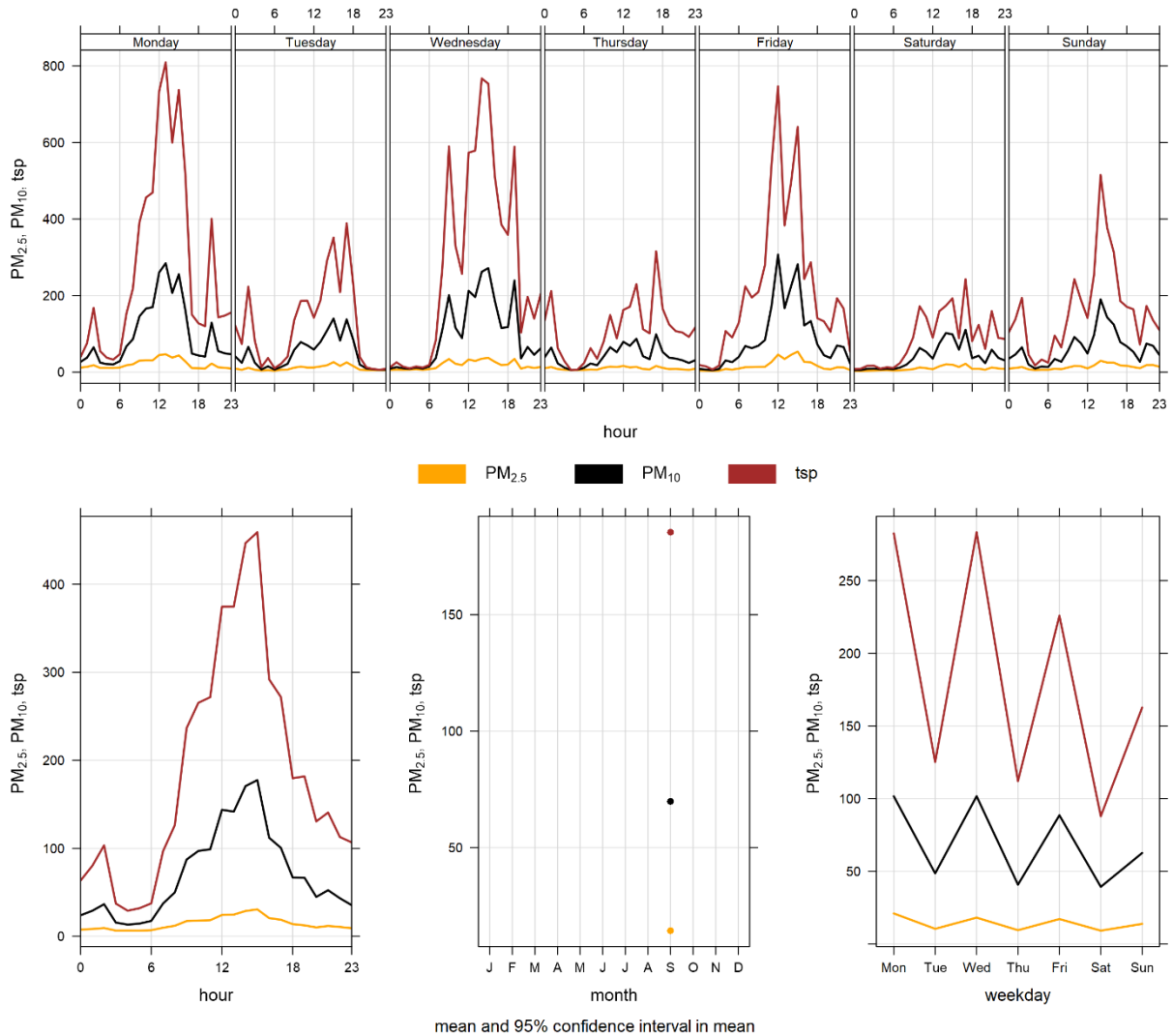


Figure 5-5 Berm monitor particulate matter time variation

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

APPENDIX

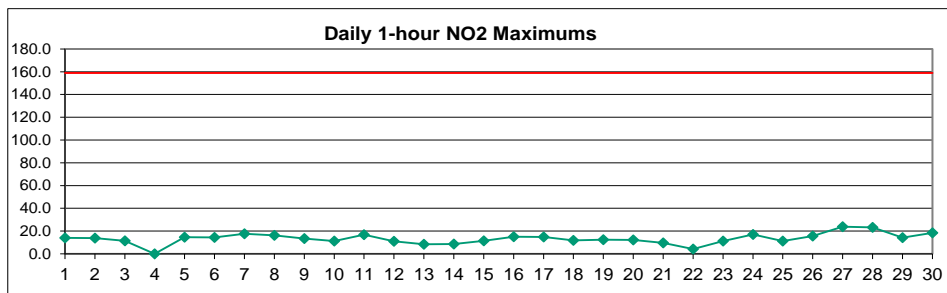
A DATA & CALIBRATION REPORTS

APPENDIX



Lagoon NO₂ (ppb) – September 2024

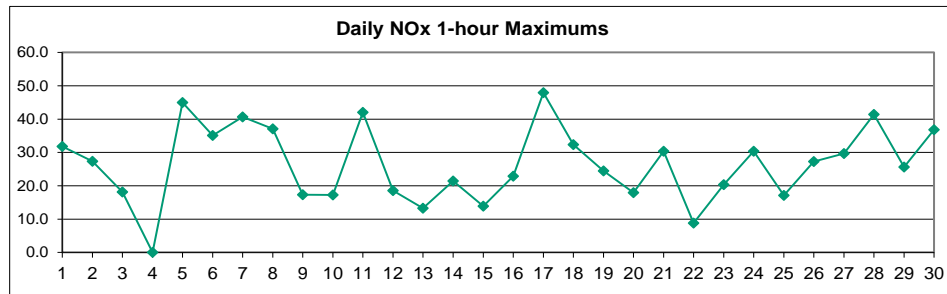
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 11.4 | S | 11.5 | 9.8 | 8.2 | 7.7 | 8.6 | 9.3 | 7.4 | 7.2 | 9.2 | 8.1 | 4.3 | 1.0 | 4.2 | 2.8 | 1.0 | 1.4 | 4.3 | 13.1 | 11.0 | 10.5 | 14.1 | 12.4 | 7.8 | 14.1 |
| 2 | 11.0 | S | 8.8 | 12.7 | 10.3 | 12.6 | 13.9 | 12.3 | 10.4 | 12.0 | 7.0 | 4.1 | 13.1 | 2.5 | 4.1 | 3.1 | 1.3 | 1.7 | 9.9 | 6.2 | 2.4 | 7.1 | 5.6 | 9.1 | 7.9 | 13.9 |
| 3 | 5.9 | S | 2.7 | 7.8 | 7.1 | 5.0 | 9.6 | 6.3 | 4.5 | 4.4 | 8.0 | 9.0 | 10.0 | 4.4 | 10.5 | 9.0 | 4.9 | 2.2 | 6.4 | 5.3 | 9.9 | 9.8 | 8.6 | 11.4 | 7.1 | 11.4 |
| 4 | 9.8 | S | 22.0 | 13.1 | 17.8 | 18.2 | 8.3 | 10.1 | 3.9 | C | C | C | C | C | C | C | 5.5 | 6.9 | 2.8 | 3.4 | 8.0 | 7.3 | 9.0 | 8.2 | - | - |
| 5 | 10.3 | S | 10.0 | 10.9 | 10.4 | 8.5 | 12.7 | 11.5 | 10.8 | 10.8 | 8.9 | 10.6 | 5.2 | 2.5 | 5.4 | 6.5 | 5.2 | 1.6 | 9.2 | 14.6 | 11.0 | 11.7 | 12.7 | 5.7 | 9.0 | 14.6 |
| 6 | 5.2 | S | 8.4 | 7.2 | 6.9 | 5.5 | 7.2 | 12.6 | 5.9 | 5.4 | 11.7 | 9.3 | 5.1 | 6.0 | 5.0 | 3.8 | 3.8 | 2.0 | 3.8 | 4.7 | 5.1 | 10.4 | 14.4 | 13.4 | 7.1 | 14.4 |
| 7 | 8.3 | S | 9.5 | 9.4 | 9.1 | 8.7 | 7.8 | 10.8 | 12.5 | 11.7 | 10.5 | 12.2 | 6.5 | 4.4 | 6.7 | 5.4 | 5.2 | 1.6 | 3.4 | 7.1 | 11.6 | 10.4 | 17.7 | 16.5 | 9.0 | 17.7 |
| 8 | 12.7 | S | 16.2 | 12.4 | 12.2 | 12.0 | 10.5 | 14.9 | 13.7 | 14.3 | 8.6 | 7.6 | 3.5 | 9.2 | 7.5 | 1.9 | 6.8 | 9.0 | 5.1 | 8.7 | 6.6 | 10.8 | 14.0 | 16.3 | 10.2 | 16.3 |
| 9 | 13.3 | S | 10.8 | 9.9 | 10.2 | 10.7 | 12.5 | 12.2 | 13.4 | 12.5 | 5.1 | 8.8 | 6.0 | 4.4 | 2.7 | 2.4 | 3.1 | 9.4 | 3.3 | 1.6 | 2.4 | 2.1 | 2.9 | 6.6 | 7.2 | 13.4 |
| 10 | 8.4 | S | 5.8 | 1.7 | 1.4 | 3.6 | 2.1 | 3.6 | 6.8 | 3.0 | 4.6 | 3.3 | 2.5 | 5.8 | 5.2 | 6.3 | 4.3 | 7.0 | 11.3 | 7.3 | 7.4 | 5.6 | 7.0 | 11.3 | 5.4 | 11.3 |
| 11 | 13.8 | S | 11.6 | 8.2 | 13.0 | 11.8 | 11.0 | 15.2 | 9.4 | 6.9 | 16.2 | 14.0 | 14.8 | 16.9 | 12.6 | 7.8 | 6.8 | 10.8 | 4.6 | 5.2 | 5.8 | 5.1 | 5.6 | 4.1 | 10.1 | 16.9 |
| 12 | 8.2 | S | 4.0 | 5.6 | 7.1 | 5.4 | 11.0 | 5.3 | 5.8 | 5.8 | 8.2 | 9.5 | 9.2 | 8.4 | 5.0 | 6.0 | 4.9 | 4.2 | 7.5 | 7.7 | 9.3 | 10.3 | 2.7 | 9.2 | 7.0 | 11.0 |
| 13 | 8.4 | S | 3.8 | 3.5 | 3.6 | 3.4 | 4.8 | 4.5 | 3.2 | 3.6 | 3.1 | 4.4 | 2.7 | 1.3 | 1.0 | 1.5 | 3.3 | 6.6 | 8.4 | 5.3 | 6.0 | 2.9 | 2.2 | 3.3 | 4.0 | 8.4 |
| 14 | 3.0 | S | 3.4 | 4.7 | 2.9 | 6.1 | 5.9 | 4.3 | 7.0 | 6.9 | 4.8 | 4.5 | 8.4 | 8.7 | 2.5 | 1.7 | 1.2 | 2.6 | 4.7 | 7.2 | 3.7 | 3.4 | 4.1 | 3.0 | 4.5 | 8.7 |
| 15 | 6.5 | S | 4.7 | 4.7 | 6.0 | 4.6 | 5.0 | 3.7 | 3.2 | 3.1 | 1.7 | 1.0 | 0.8 | 0.8 | 2.2 | 2.7 | 7.5 | 4.3 | 10.2 | 10.4 | 7.6 | 9.3 | 11.5 | 7.3 | 5.2 | 11.5 |
| 16 | 6.3 | S | 6.2 | 6.3 | 6.2 | 6.7 | 7.6 | 6.8 | 4.4 | 4.0 | 3.9 | 3.9 | 1.7 | 3.1 | 2.7 | 2.4 | 2.1 | 2.1 | 5.9 | 13.6 | 14.2 | 15.0 | 10.3 | 9.6 | 6.3 | 15.0 |
| 17 | 12.5 | S | 10.1 | 12.0 | 11.5 | 12.8 | 12.5 | 12.3 | 13.8 | 7.5 | 5.4 | 4.5 | 2.8 | 2.8 | 2.9 | 1.9 | 3.2 | 3.3 | 3.5 | 3.4 | 14.9 | 11.6 | 7.5 | 8.2 | 7.9 | 14.9 |
| 18 | 11.9 | S | 10.0 | 9.0 | 9.2 | 10.1 | 10.9 | 9.1 | 9.4 | 8.4 | 8.2 | 10.5 | 3.6 | 3.1 | 1.3 | 1.2 | 1.4 | 1.3 | 3.4 | 6.7 | 4.6 | 3.8 | 7.5 | 10.8 | 6.8 | 11.9 |
| 19 | 10.7 | S | 7.2 | 10.1 | 6.8 | 8.5 | 9.3 | 8.3 | 12.5 | 9.8 | 8.4 | 6.4 | 2.3 | 5.4 | 5.4 | 8.6 | 2.3 | 1.9 | 6.2 | 3.9 | 5.2 | 4.5 | 3.9 | 4.8 | 6.6 | 12.5 |
| 20 | 10.9 | S | 5.2 | 5.7 | 5.0 | 10.0 | 12.3 | 9.5 | 8.4 | 9.6 | 3.6 | 3.5 | 7.9 | 2.8 | 11.7 | 5.5 | 7.5 | 9.0 | 8.1 | 4.6 | 6.3 | 3.1 | 5.0 | 7.9 | 7.1 | 12.3 |
| 21 | 7.3 | S | 6.5 | 6.7 | 6.3 | 7.7 | 5.4 | 4.4 | 4.3 | 4.6 | 5.8 | 1.1 | 1.6 | 3.0 | 3.9 | 6.7 | 9.7 | 3.7 | 4.2 | 1.9 | 5.9 | 2.9 | 4.1 | 4.4 | 4.9 | 9.7 |
| 22 | 4.2 | S | 3.9 | 3.0 | 3.6 | 3.6 | 1.3 | 1.8 | 1.4 | 1.6 | 1.4 | 3.5 | 2.2 | 0.6 | 0.6 | 0.6 | 1.3 | 2.8 | 4.1 | 3.9 | 2.2 | 1.8 | 1.7 | 2.1 | 2.3 | 4.2 |
| 23 | 1.8 | S | 7.2 | 4.0 | 4.7 | 7.1 | 6.7 | 10.3 | 11.2 | 3.0 | 5.8 | 8.4 | 7.4 | 7.8 | 5.0 | 4.0 | 5.5 | 5.1 | 2.0 | 1.0 | 0.8 | 2.2 | 2.7 | 2.7 | 5.1 | 11.2 |
| 24 | 5.2 | S | 2.1 | 2.5 | 3.8 | 3.9 | 9.6 | 17.0 | 10.6 | 8.8 | 7.1 | 8.2 | 10.4 | 2.9 | 1.9 | 1.4 | 1.6 | 3.5 | 4.5 | 5.4 | 5.9 | 3.8 | 6.1 | 7.9 | 5.8 | 17.0 |
| 25 | 6.1 | S | 9.7 | 11.2 | 7.5 | 8.7 | 9.0 | 10.8 | 9.0 | 5.4 | 2.3 | 2.5 | 3.9 | 3.0 | 2.5 | 2.5 | 2.0 | 1.6 | 4.0 | 5.3 | 5.7 | 3.4 | 7.8 | 7.3 | 5.7 | 11.2 |
| 26 | 13.1 | S | 4.6 | 2.3 | 3.9 | 3.4 | 5.9 | 13.5 | 6.9 | 6.1 | 10.0 | 6.5 | 1.8 | 8.6 | 12.0 | 5.3 | 1.3 | 1.0 | 1.6 | 5.3 | 9.1 | 4.7 | 2.7 | 15.6 | 6.3 | 15.6 |
| 27 | 13.8 | S | 23.8 | 18.0 | 7.0 | 9.5 | 10.2 | 3.7 | 1.9 | 1.4 | 1.4 | 2.2 | 2.6 | 9.0 | 9.3 | 7.8 | 5.6 | 3.3 | 2.3 | 4.5 | 4.9 | 7.9 | 4.5 | 5.8 | 7.0 | 23.8 |
| 28 | 5.4 | S | 6.7 | 9.6 | 8.0 | 17.1 | 23.2 | 22.8 | 6.1 | 1.7 | 1.5 | 1.6 | 2.7 | 2.9 | 2.7 | 1.5 | 5.4 | 3.4 | 8.3 | 13.6 | 5.3 | 5.5 | 9.0 | 9.2 | 7.5 | 23.2 |
| 29 | 7.7 | S | 12.6 | 9.5 | 8.8 | 9.6 | 11.1 | 14.3 | 2.1 | 3.6 | 3.0 | 1.3 | 7.0 | 0.9 | 5.9 | 4.3 | 3.1 | 4.7 | 1.2 | 7.3 | 3.5 | 3.9 | 3.6 | 4.9 | 5.8 | 14.3 |
| 30 | 5.1 | S | 12.1 | 13.8 | 13.3 | 9.5 | 11.2 | 10.5 | 7.0 | 3.5 | 3.6 | 4.5 | 7.2 | 6.2 | 15.5 | 11.0 | 9.6 | 9.3 | 11.6 | 17.0 | 16.9 | 18.6 | 16.2 | 4.4 | 10.3 | 18.6 |
| NO. | 30 | - | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 683 | 100% |
| MEAN | 8.6 | - | 8.7 | 8.2 | 7.7 | 8.4 | 9.2 | 9.7 | 7.6 | 6.4 | 6.2 | 6.0 | 5.4 | 4.8 | 5.4 | 4.3 | 4.2 | 4.2 | 5.5 | 6.8 | 7.1 | 7.0 | 7.5 | 8.1 | | |
| MAX | 13.8 | - | 23.8 | 18.0 | 17.8 | 18.2 | 23.2 | 22.8 | 13.8 | 14.3 | 16.2 | 14.0 | 14.8 | 16.9 | 15.5 | 11.0 | 9.7 | 10.8 | 11.6 | 17.0 | 16.9 | 18.6 | 17.7 | 16.5 | | |



| | |
|-----------------------------|----------|
| Number of 1HR Exceedences | 0 |
| Number of Non-Zero Readings | 683 |
| Maximum 1-HR Average | 23.8 PPB |
| Maximum 24-HR Average | 10.3 PPB |
| Operational Time | 720 HRS |
| Monthly Calibration | 7 |
| Operational Uptime | 100.0 % |
| Standard Deviation | 4.1 |
| Monthly Average | 6.9 PPB |

Lagoon NOx (ppb) – September 2024

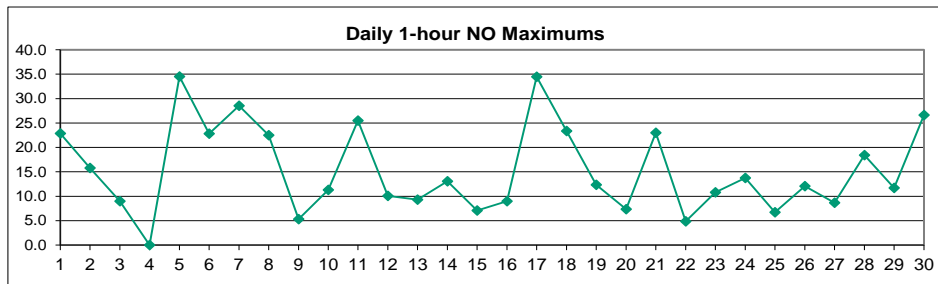
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 13.1 | S | 29.6 | 20.7 | 18.4 | 14.3 | 18.7 | 31.8 | 26.5 | 24.4 | 24.9 | 16.3 | 6.5 | 0.6 | 5.6 | 2.9 | 0.7 | 1.1 | 4.6 | 22.9 | 11.2 | 10.8 | 14.4 | 12.0 | 14.4 | 31.8 |
| 2 | 10.7 | S | 8.9 | 20.7 | 12.5 | 18.4 | 23.8 | 23.7 | 24.2 | 27.4 | 11.4 | 5.0 | 20.5 | 2.5 | 4.8 | 3.0 | 1.0 | 1.5 | 10.2 | 6.0 | 2.1 | 8.7 | 5.6 | 10.5 | 11.4 | 27.4 |
| 3 | 7.3 | S | 2.6 | 9.8 | 10.5 | 5.0 | 18.2 | 10.5 | 7.3 | 6.4 | 11.6 | 12.5 | 13.6 | 5.3 | 17.7 | 13.7 | 6.1 | 2.1 | 7.1 | 5.1 | 13.4 | 11.1 | 8.4 | 12.5 | 9.5 | 18.2 |
| 4 | 12.8 | S | 26.9 | 14.0 | 44.3 | 27.4 | 8.9 | 13.0 | 4.6 | C | C | C | C | C | C | C | 6.7 | 8.5 | 2.7 | 3.4 | 8.1 | 7.6 | 17.2 | 11.4 | - | - |
| 5 | 12.4 | S | 19.3 | 27.3 | 27.2 | 22.6 | 37.1 | 42.9 | 45.0 | 38.8 | 20.4 | 23.1 | 8.2 | 3.1 | 7.1 | 8.7 | 8.1 | 1.6 | 14.9 | 18.8 | 12.2 | 13.2 | 13.5 | 6.2 | 18.8 | 45.0 |
| 6 | 5.8 | S | 13.7 | 10.4 | 8.5 | 7.1 | 12.6 | 35.1 | 10.5 | 10.0 | 27.4 | 16.4 | 7.1 | 8.1 | 6.9 | 4.7 | 4.8 | 2.1 | 3.9 | 5.0 | 5.4 | 12.3 | 19.6 | 22.9 | 11.3 | 35.1 |
| 7 | 12.6 | S | 16.9 | 16.8 | 13.8 | 15.1 | 14.7 | 26.9 | 40.7 | 29.9 | 21.5 | 22.6 | 9.2 | 6.0 | 10.4 | 7.9 | 8.1 | 1.5 | 3.8 | 11.1 | 14.4 | 10.3 | 19.0 | 22.5 | 15.5 | 40.7 |
| 8 | 13.9 | S | 26.2 | 18.7 | 21.7 | 21.8 | 16.2 | 37.1 | 35.0 | 33.8 | 17.2 | 12.5 | 4.6 | 13.5 | 10.6 | 1.8 | 7.6 | 10.4 | 5.1 | 8.9 | 6.7 | 10.7 | 13.8 | 16.4 | 15.8 | 37.1 |
| 9 | 13.3 | S | 12.2 | 11.7 | 11.1 | 13.0 | 17.3 | 14.4 | 16.4 | 16.4 | 6.0 | 9.9 | 7.6 | 6.1 | 3.1 | 2.6 | 3.5 | 12.7 | 3.4 | 1.6 | 2.3 | 2.1 | 3.3 | 8.3 | 8.6 | 17.3 |
| 10 | 12.5 | S | 6.8 | 1.6 | 1.2 | 3.8 | 2.0 | 3.8 | 7.7 | 3.3 | 5.9 | 3.7 | 2.9 | 7.6 | 7.3 | 17.2 | 6.2 | 8.1 | 17.2 | 9.4 | 9.9 | 6.3 | 9.7 | 15.7 | 7.4 | 17.2 |
| 11 | 19.4 | S | 13.7 | 8.3 | 13.1 | 12.3 | 18.9 | 32.4 | 14.7 | 9.6 | 31.6 | 25.2 | 27.1 | 42.0 | 18.0 | 9.8 | 9.1 | 15.8 | 4.9 | 5.2 | 6.0 | 5.2 | 6.8 | 4.2 | 15.4 | 42.0 |
| 12 | 15.2 | S | 7.0 | 15.4 | 12.8 | 7.7 | 18.6 | 5.5 | 6.6 | 7.1 | 9.3 | 12.1 | 11.4 | 11.0 | 6.0 | 9.3 | 7.8 | 4.4 | 7.6 | 10.1 | 11.3 | 11.8 | 2.6 | 10.6 | 9.6 | 18.6 |
| 13 | 10.9 | S | 5.3 | 4.8 | 5.4 | 4.1 | 9.4 | 13.3 | 8.5 | 12.5 | 7.6 | 7.9 | 3.7 | 1.5 | 1.1 | 1.6 | 4.2 | 9.9 | 9.4 | 5.8 | 9.5 | 2.8 | 2.1 | 3.9 | 6.3 | 13.3 |
| 14 | 2.9 | S | 3.6 | 6.9 | 3.0 | 8.4 | 6.7 | 5.0 | 9.6 | 13.0 | 8.1 | 5.8 | 13.1 | 21.4 | 3.2 | 2.2 | 1.3 | 3.5 | 6.5 | 9.6 | 6.0 | 3.7 | 4.1 | 3.0 | 6.5 | 21.4 |
| 15 | 10.5 | S | 6.2 | 5.9 | 12.7 | 5.0 | 6.2 | 5.7 | 8.4 | 6.9 | 2.8 | 1.2 | 0.9 | 0.8 | 2.5 | 3.0 | 9.3 | 4.6 | 13.6 | 13.9 | 10.2 | 9.5 | 11.7 | 7.3 | 6.9 | 13.9 |
| 16 | 6.4 | S | 11.3 | 7.0 | 6.4 | 8.7 | 14.1 | 14.9 | 8.6 | 7.5 | 6.4 | 5.4 | 2.3 | 4.2 | 3.4 | 3.1 | 2.3 | 2.5 | 7.7 | 17.5 | 22.9 | 18.3 | 10.2 | 9.8 | 8.7 | 22.9 |
| 17 | 13.1 | S | 10.5 | 14.5 | 14.2 | 19.2 | 22.4 | 36.0 | 47.9 | 17.7 | 10.7 | 6.7 | 3.5 | 3.5 | 3.4 | 2.3 | 4.5 | 5.6 | 3.5 | 3.3 | 26.5 | 12.2 | 7.8 | 11.4 | 13.1 | 47.9 |
| 18 | 12.5 | S | 12.8 | 11.0 | 14.8 | 16.1 | 19.0 | 21.2 | 32.4 | 25.2 | 21.4 | 22.1 | 5.3 | 4.5 | 1.4 | 1.2 | 1.5 | 1.2 | 3.4 | 7.8 | 4.6 | 4.1 | 17.3 | 12.9 | 11.9 | 32.4 |
| 19 | 14.8 | S | 9.4 | 16.7 | 11.5 | 17.8 | 15.2 | 15.3 | 24.4 | 18.8 | 17.1 | 11.2 | 2.9 | 7.8 | 7.6 | 12.8 | 2.6 | 1.9 | 8.9 | 4.0 | 7.6 | 4.9 | 4.9 | 5.7 | 10.6 | 24.4 |
| 20 | 17.9 | S | 8.5 | 6.9 | 5.5 | 14.0 | 17.9 | 15.5 | 11.4 | 12.5 | 4.9 | 4.5 | 9.7 | 3.8 | 17.0 | 6.7 | 10.2 | 11.6 | 9.7 | 6.3 | 6.8 | 3.7 | 5.3 | 11.6 | 9.6 | 17.9 |
| 21 | 10.8 | S | 13.4 | 12.7 | 13.1 | 30.4 | 16.7 | 13.5 | 19.3 | 20.6 | 18.6 | 1.5 | 2.2 | 5.0 | 8.2 | 16.1 | 20.0 | 6.1 | 6.3 | 2.3 | 9.4 | 3.3 | 5.5 | 7.4 | 11.4 | 30.4 |
| 22 | 8.8 | S | 5.7 | 3.6 | 4.2 | 4.4 | 1.3 | 2.4 | 1.6 | 2.1 | 2.1 | 6.9 | 3.6 | 0.6 | 0.6 | 0.6 | 1.6 | 3.3 | 5.5 | 5.9 | 2.6 | 1.9 | 1.9 | 2.6 | 3.2 | 8.8 |
| 23 | 2.1 | S | 10.6 | 4.5 | 8.1 | 11.0 | 8.5 | 20.3 | 18.6 | 4.2 | 10.6 | 16.4 | 15.0 | 18.1 | 10.0 | 7.6 | 11.4 | 10.2 | 2.5 | 0.9 | 0.7 | 2.3 | 3.3 | 3.6 | 8.7 | 20.3 |
| 24 | 8.6 | S | 2.5 | 3.0 | 5.2 | 5.6 | 13.5 | 30.4 | 18.3 | 15.4 | 13.2 | 13.4 | 22.1 | 4.3 | 2.7 | 1.7 | 2.1 | 4.6 | 5.1 | 5.7 | 6.1 | 3.8 | 6.1 | 9.1 | 8.8 | 30.4 |
| 25 | 7.0 | S | 12.1 | 12.1 | 7.4 | 10.5 | 11.5 | 17.1 | 15.0 | 9.4 | 2.9 | 3.1 | 5.4 | 4.0 | 3.2 | 3.0 | 2.2 | 1.7 | 5.0 | 6.6 | 6.5 | 4.3 | 9.5 | 9.6 | 7.4 | 17.1 |
| 26 | 19.9 | S | 5.7 | 2.6 | 4.5 | 3.9 | 8.1 | 21.1 | 10.0 | 9.6 | 14.1 | 9.1 | 2.2 | 14.7 | 20.5 | 7.8 | 1.3 | 0.9 | 1.7 | 7.4 | 12.9 | 6.3 | 3.2 | 27.2 | 9.3 | 27.2 |
| 27 | 22.0 | S | 29.7 | 18.2 | 7.7 | 11.5 | 12.6 | 4.6 | 2.3 | 1.4 | 1.7 | 2.7 | 3.3 | 13.1 | 13.7 | 11.4 | 7.5 | 3.9 | 2.4 | 5.4 | 6.0 | 10.1 | 5.7 | 6.1 | 8.8 | 29.7 |
| 28 | 5.5 | S | 6.9 | 11.2 | 8.4 | 18.5 | 41.4 | 39.5 | 8.9 | 2.0 | 1.8 | 1.9 | 4.0 | 4.1 | 3.5 | 1.6 | 6.7 | 3.7 | 10.0 | 14.0 | 5.3 | 5.8 | 9.0 | 9.2 | 9.7 | 41.4 |
| 29 | 7.7 | S | 13.3 | 10.9 | 13.0 | 12.0 | 18.5 | 25.6 | 2.6 | 4.4 | 3.6 | 1.5 | 10.5 | 1.2 | 8.5 | 5.7 | 4.0 | 6.0 | 1.2 | 9.8 | 5.5 | 5.4 | 4.6 | 6.0 | 7.9 | 25.6 |
| 30 | 5.3 | S | 18.4 | 19.0 | 21.8 | 21.5 | 22.1 | 36.8 | 11.3 | 5.5 | 6.5 | 8.8 | 14.8 | 12.7 | 36.1 | 21.8 | 17.5 | 15.7 | 19.7 | 30.8 | 32.2 | 34.5 | 30.9 | 5.9 | 19.6 | 36.8 |
| NO. | 30 | - | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 683 | 100% |
| MEAN | 11.2 | - | 12.3 | 11.6 | 12.1 | 13.0 | 15.7 | 20.5 | 16.6 | 13.7 | 11.8 | 10.0 | 8.4 | 8.0 | 8.4 | 6.6 | 6.0 | 5.6 | 6.9 | 8.8 | 9.5 | 8.2 | 9.2 | 10.2 | | |
| MAX | 22.0 | - | 29.7 | 27.3 | 44.3 | 30.4 | 41.4 | 42.9 | 47.9 | 38.8 | 31.6 | 25.2 | 27.1 | 42.0 | 36.1 | 21.8 | 20.0 | 15.8 | 19.7 | 30.8 | 32.2 | 34.5 | 30.9 | 27.2 | | |



| | | | |
|-----------------------------|----------|--------------------|----------|
| Number of Non-Zero Readings | 683 | Operational Time | 720 HRS |
| Maximum 1-HR Average | 47.9 PPB | Operational Uptime | 100.0 % |
| Maximum 24-HR Average | 19.6 PPB | Monthly Average | 10.6 PPB |
| Monthly Calibration | 7 | | |
| Standard Deviation | 8.27 | | |

Lagoon NO (ppb) – September 2024

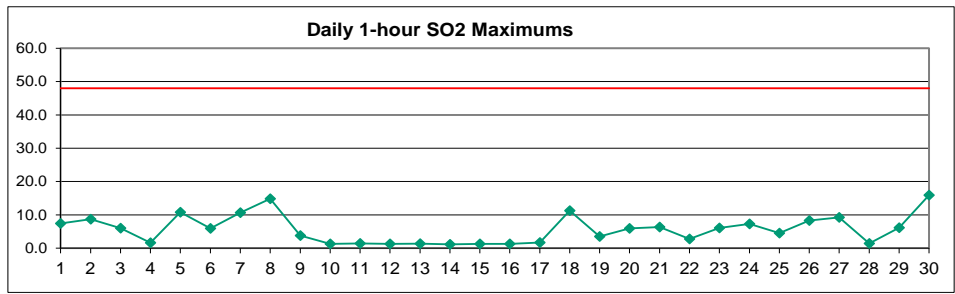
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 2.2 | S | 18.5 | 11.3 | 10.6 | 7.2 | 10.6 | 22.9 | 19.5 | 17.7 | 16.1 | 8.5 | 2.6 | 0.0 | 1.8 | 0.5 | 0.0 | 0.0 | 0.6 | 10.1 | 0.6 | 0.6 | 0.8 | 0.1 | 7.1 | 22.9 |
| 2 | 0.2 | S | 0.6 | 8.5 | 2.7 | 6.3 | 10.3 | 11.9 | 14.2 | 15.8 | 4.9 | 1.2 | 7.8 | 0.3 | 1.1 | 0.2 | 0.1 | 0.1 | 0.6 | 0.1 | 0.0 | 2.0 | 0.3 | 1.8 | 3.9 | 15.8 |
| 3 | 1.8 | S | 0.2 | 2.5 | 3.8 | 0.4 | 9.0 | 4.6 | 3.2 | 2.4 | 4.0 | 3.9 | 4.1 | 1.3 | 7.6 | 5.1 | 1.6 | 0.3 | 1.0 | 0.1 | 3.9 | 1.7 | 0.2 | 1.5 | 2.8 | 9.0 |
| 4 | 3.4 | S | 5.2 | 1.2 | 26.8 | 9.5 | 1.0 | 3.4 | 1.1 | C | C | C | C | C | C | 1.5 | 1.9 | 0.2 | 0.3 | 0.5 | 0.7 | 8.5 | 3.6 | - | - | |
| 5 | 2.5 | S | 9.8 | 16.7 | 17.2 | 14.5 | 24.8 | 31.7 | 34.5 | 28.4 | 11.9 | 13.0 | 3.4 | 0.9 | 2.2 | 2.5 | 3.2 | 0.4 | 6.1 | 4.6 | 1.7 | 1.9 | 1.2 | 0.8 | 10.2 | 34.5 |
| 6 | 0.9 | S | 5.7 | 3.6 | 2.0 | 1.9 | 5.8 | 22.8 | 5.1 | 5.0 | 16.1 | 7.5 | 2.4 | 2.5 | 2.3 | 1.3 | 1.4 | 0.4 | 0.5 | 0.6 | 0.7 | 2.3 | 5.7 | 9.9 | 4.6 | 22.8 |
| 7 | 4.7 | S | 7.8 | 7.9 | 5.2 | 6.8 | 7.3 | 16.5 | 28.5 | 18.6 | 11.4 | 10.8 | 3.1 | 1.9 | 4.1 | 2.8 | 3.3 | 0.2 | 0.7 | 4.4 | 3.2 | 0.3 | 1.7 | 6.4 | 6.9 | 28.5 |
| 8 | 1.6 | S | 10.5 | 6.8 | 9.9 | 10.2 | 6.1 | 22.5 | 21.6 | 19.8 | 9.0 | 5.4 | 1.4 | 4.7 | 3.5 | 0.2 | 1.1 | 1.7 | 0.3 | 0.5 | 0.5 | 0.3 | 0.2 | 0.5 | 6.0 | 22.5 |
| 9 | 0.4 | S | 1.8 | 2.2 | 1.4 | 2.8 | 5.3 | 2.6 | 3.4 | 4.3 | 1.3 | 1.4 | 2.0 | 2.0 | 0.7 | 0.5 | 0.7 | 3.6 | 0.4 | 0.3 | 0.2 | 0.3 | 0.7 | 2.0 | 1.8 | 5.3 |
| 10 | 4.3 | S | 1.4 | 0.2 | 0.1 | 0.5 | 0.3 | 0.5 | 1.3 | 0.5 | 1.6 | 0.7 | 0.7 | 2.1 | 2.5 | 11.3 | 2.3 | 1.5 | 6.3 | 2.5 | 2.8 | 1.0 | 3.1 | 4.7 | 2.3 | 11.3 |
| 11 | 5.9 | S | 2.5 | 0.4 | 0.5 | 0.9 | 8.3 | 17.5 | 5.9 | 3.1 | 15.7 | 11.6 | 12.7 | 25.5 | 5.8 | 2.4 | 2.6 | 5.4 | 0.5 | 0.3 | 0.5 | 0.4 | 1.5 | 0.5 | 5.7 | 25.5 |
| 12 | 7.5 | S | 3.3 | 10.1 | 6.1 | 2.7 | 8.0 | 0.6 | 1.1 | 1.6 | 1.4 | 3.0 | 2.6 | 3.0 | 1.2 | 3.6 | 3.2 | 0.4 | 0.5 | 2.7 | 2.4 | 1.9 | 0.3 | 1.9 | 3.0 | 10.1 |
| 13 | 2.9 | S | 1.8 | 1.6 | 2.0 | 1.0 | 4.9 | 9.1 | 5.6 | 9.3 | 4.9 | 3.9 | 1.4 | 0.6 | 0.4 | 0.5 | 1.3 | 3.7 | 1.5 | 0.9 | 3.8 | 0.3 | 0.2 | 0.9 | 2.7 | 9.3 |
| 14 | 0.1 | S | 0.4 | 2.5 | 0.4 | 2.6 | 1.1 | 1.0 | 3.0 | 6.4 | 3.6 | 1.6 | 5.1 | 13.1 | 1.0 | 0.8 | 0.4 | 1.2 | 2.2 | 2.8 | 2.6 | 0.5 | 0.3 | 0.3 | 2.3 | 13.1 |
| 15 | 4.2 | S | 1.8 | 1.5 | 7.1 | 0.7 | 1.5 | 2.3 | 5.5 | 4.2 | 1.4 | 0.5 | 0.4 | 0.3 | 0.7 | 0.6 | 2.2 | 0.7 | 3.8 | 4.0 | 3.0 | 0.6 | 0.6 | 0.4 | 2.1 | 7.1 |
| 16 | 0.5 | S | 5.5 | 1.0 | 0.5 | 2.4 | 6.9 | 8.5 | 4.6 | 3.9 | 2.8 | 1.9 | 0.9 | 1.5 | 1.1 | 1.0 | 0.6 | 0.6 | 2.2 | 4.4 | 9.0 | 3.7 | 0.3 | 0.5 | 2.8 | 9.0 |
| 17 | 1.0 | S | 0.7 | 3.0 | 3.1 | 6.8 | 10.3 | 24.0 | 34.5 | 10.7 | 5.7 | 2.6 | 1.0 | 1.1 | 0.9 | 0.7 | 1.6 | 2.7 | 0.3 | 0.3 | 11.9 | 1.0 | 0.6 | 3.7 | 5.6 | 34.5 |
| 18 | 1.0 | S | 3.3 | 2.5 | 6.1 | 6.4 | 8.5 | 12.5 | 23.4 | 17.2 | 13.6 | 12.1 | 2.1 | 1.8 | 0.4 | 0.4 | 0.5 | 0.2 | 0.3 | 1.4 | 0.3 | 0.6 | 10.2 | 2.5 | 5.5 | 23.4 |
| 19 | 4.6 | S | 2.5 | 7.0 | 5.0 | 9.7 | 6.3 | 7.5 | 12.4 | 9.5 | 9.1 | 5.1 | 0.9 | 2.8 | 2.6 | 4.6 | 0.6 | 0.4 | 3.1 | 0.4 | 2.7 | 0.7 | 1.4 | 1.2 | 4.3 | 12.4 |
| 20 | 7.3 | S | 3.7 | 1.6 | 0.8 | 4.3 | 6.0 | 6.4 | 3.4 | 3.3 | 1.7 | 1.4 | 2.3 | 1.4 | 5.7 | 1.5 | 3.1 | 3.0 | 2.0 | 2.1 | 0.9 | 0.8 | 0.5 | 4.1 | 2.9 | 7.3 |
| 21 | 4.0 | S | 7.3 | 6.3 | 7.2 | 23.0 | 11.6 | 9.5 | 15.3 | 16.4 | 13.1 | 0.7 | 0.9 | 2.4 | 4.7 | 9.8 | 10.8 | 2.8 | 2.4 | 0.7 | 3.8 | 0.7 | 1.7 | 3.2 | 6.9 | 23.0 |
| 22 | 4.9 | S | 2.2 | 0.9 | 0.9 | 1.1 | 0.4 | 0.9 | 0.5 | 0.8 | 1.1 | 3.8 | 1.9 | 0.4 | 0.3 | 0.4 | 0.7 | 0.9 | 1.8 | 2.5 | 0.8 | 0.5 | 0.5 | 0.8 | 1.2 | 4.9 |
| 23 | 0.6 | S | 3.8 | 0.8 | 3.7 | 4.3 | 2.2 | 10.5 | 7.9 | 1.6 | 5.2 | 8.5 | 8.1 | 10.8 | 5.5 | 4.1 | 6.4 | 5.5 | 0.8 | 0.2 | 0.2 | 0.4 | 1.0 | 1.3 | 4.1 | 10.8 |
| 24 | 3.7 | S | 0.8 | 0.9 | 1.7 | 2.0 | 4.4 | 13.8 | 8.2 | 7.0 | 6.5 | 5.8 | 12.2 | 1.8 | 1.1 | 0.7 | 0.8 | 1.6 | 1.0 | 0.8 | 0.5 | 0.4 | 0.5 | 1.7 | 3.4 | 13.8 |
| 25 | 1.3 | S | 2.8 | 1.3 | 0.3 | 2.2 | 2.9 | 6.7 | 6.4 | 4.4 | 1.0 | 1.0 | 1.8 | 1.3 | 1.0 | 0.8 | 0.5 | 0.5 | 1.4 | 1.7 | 1.2 | 1.2 | 2.1 | 2.8 | 2.0 | 6.7 |
| 26 | 7.3 | S | 1.5 | 0.6 | 0.9 | 0.8 | 2.5 | 7.9 | 3.4 | 3.9 | 4.6 | 3.0 | 0.7 | 6.5 | 8.9 | 2.8 | 0.3 | 0.3 | 0.5 | 2.4 | 4.1 | 2.0 | 0.9 | 12.1 | 3.4 | 12.1 |
| 27 | 8.6 | S | 6.2 | 0.5 | 1.1 | 2.4 | 2.9 | 1.3 | 0.7 | 0.4 | 0.6 | 0.8 | 1.0 | 4.5 | 4.9 | 4.2 | 2.3 | 1.0 | 0.4 | 1.2 | 1.4 | 2.6 | 1.5 | 0.6 | 2.2 | 8.6 |
| 28 | 0.4 | S | 0.5 | 2.0 | 0.7 | 1.7 | 18.4 | 17.0 | 3.1 | 0.6 | 0.6 | 0.7 | 1.7 | 1.6 | 1.1 | 0.5 | 1.7 | 0.7 | 2.0 | 0.8 | 0.4 | 0.7 | 0.4 | 0.4 | 2.5 | 18.4 |
| 29 | 0.4 | S | 1.1 | 1.8 | 4.6 | 2.9 | 7.8 | 11.7 | 0.8 | 1.1 | 0.9 | 0.6 | 4.0 | 0.6 | 3.1 | 1.7 | 1.2 | 1.7 | 0.3 | 2.8 | 2.2 | 1.8 | 1.3 | 1.4 | 2.4 | 11.7 |
| 30 | 0.5 | S | 6.7 | 5.5 | 8.8 | 12.4 | 11.4 | 26.6 | 4.6 | 2.3 | 3.3 | 4.6 | 8.0 | 6.9 | 20.9 | 11.3 | 8.4 | 6.8 | 8.5 | 14.1 | 15.6 | 16.3 | 15.0 | 1.8 | 9.6 | 26.6 |
| NO. | 30 | - | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 683 | 100% |
| MEAN | 3.0 | - | 4.0 | 3.8 | 4.7 | 5.0 | 6.9 | 11.2 | 9.4 | 7.6 | 6.0 | 4.3 | 3.4 | 3.6 | 3.3 | 2.6 | 2.2 | 1.7 | 1.7 | 2.3 | 2.7 | 1.6 | 2.1 | 2.4 | | |
| MAX | 8.6 | - | 18.5 | 16.7 | 26.8 | 23.0 | 24.8 | 31.7 | 34.5 | 28.4 | 16.1 | 13.0 | 12.7 | 25.5 | 20.9 | 11.3 | 10.8 | 6.8 | 8.5 | 14.1 | 15.6 | 16.3 | 15.0 | 12.1 | | |



| | | | |
|-----------------------------|----------|--------------------|---------|
| Number of Non-Zero Readings | 679 | Operational Time | 720 HRS |
| Maximum 1-HR Average | 34.5 PPB | Operational Uptime | 100.0 % |
| Maximum 24-HR Average | 10.2 PPB | Monthly Average | 4.1 PPB |
| Monthly Calibration | 7 | | |
| Standard Deviation | 5.32 | | |

Lagoon SO₂ (ppb) – September 2024

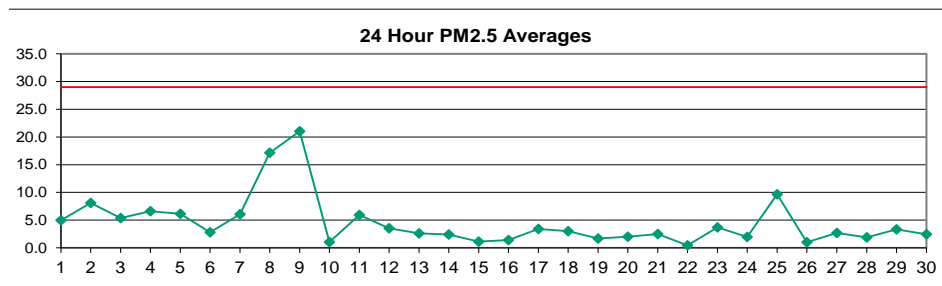
| Day | HOURLY | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|--------|---|-----|-----|-----|-----|-----|------|------|------|-----|------|-----|-----|------|-----|-----|-----|-----|------|------|------|------|-----|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 0.0 | S | 4.1 | 2.2 | 2.5 | 1.4 | 2.0 | 7.0 | 6.5 | 7.5 | 7.5 | 3.9 | 1.6 | 0.0 | 3.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 2.2 | 7.5 |
| 2 | 0.3 | S | 0.4 | 3.5 | 2.5 | 3.8 | 1.9 | 4.4 | 8.7 | 5.1 | 2.1 | 0.4 | 6.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.7 | 1.3 | 0.2 | 1.6 | 1.9 | 3.6 | 2.1 | 8.7 |
| 3 | 0.2 | S | 0.0 | 1.5 | 1.7 | 0.7 | 0.1 | 0.2 | 0.0 | 0.7 | 3.3 | 3.2 | 4.3 | 0.8 | 6.0 | 4.5 | 0.4 | 0.0 | 0.4 | 1.6 | 2.2 | 0.3 | 0.0 | 0.0 | 1.4 | 6.0 |
| 4 | 0.0 | S | 0.0 | 0.0 | 0.4 | 0.3 | 0.0 | 0.0 | 0.0 | C | C | C | C | C | 1.5 | 1.6 | 1.6 | 1.2 | 1.3 | 1.1 | 0.9 | 0.6 | 0.8 | 0.7 | 0.7 | 1.6 |
| 5 | 1.0 | S | 3.0 | 4.3 | 4.7 | 3.9 | 5.9 | 4.2 | 8.1 | 10.8 | 5.5 | 6.0 | 2.6 | 1.6 | 3.3 | 2.9 | 1.6 | 1.2 | 2.6 | 2.0 | 1.3 | 1.0 | 0.9 | 0.9 | 3.4 | 10.8 |
| 6 | 1.1 | S | 1.8 | 2.1 | 1.3 | 1.0 | 1.1 | 4.6 | 1.8 | 1.6 | 5.9 | 3.8 | 1.2 | 0.9 | 0.9 | 1.2 | 1.0 | 0.8 | 0.9 | 0.8 | 0.9 | 1.8 | 3.3 | 4.0 | 1.9 | 5.9 |
| 7 | 2.7 | S | 2.5 | 3.4 | 2.4 | 3.4 | 2.5 | 5.4 | 10.7 | 8.2 | 4.6 | 4.0 | 2.0 | 1.6 | 2.4 | 2.4 | 0.9 | 0.9 | 1.1 | 1.2 | 1.0 | 1.0 | 1.6 | 1.6 | 3.0 | 10.7 |
| 8 | 1.8 | S | 4.0 | 3.7 | 3.9 | 4.4 | 3.3 | 11.8 | 14.8 | 14.6 | 7.6 | 4.9 | 1.8 | 5.0 | 1.1 | 1.1 | 1.6 | 2.3 | 1.3 | 1.7 | 1.4 | 1.2 | 1.3 | 1.2 | 4.2 | 14.8 |
| 9 | 1.2 | S | 2.1 | 3.2 | 2.5 | 3.7 | 3.8 | 3.2 | 1.3 | 1.3 | 1.1 | 1.3 | 1.8 | 1.2 | 1.3 | 1.3 | 1.2 | 1.3 | 1.1 | 1.2 | 0.9 | 0.9 | 0.6 | 0.8 | 1.7 | 3.8 |
| 10 | 0.8 | S | 0.8 | 0.9 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.8 | 0.9 | 1.0 | 1.1 | 1.1 | 1.1 | 1.3 | 1.3 | 1.2 | 1.1 | 0.9 | 0.9 | 1.0 | 1.1 | 1.1 | 1.0 | 1.3 |
| 11 | 1.0 | S | 0.9 | 0.9 | 1.1 | 1.1 | 1.0 | 1.2 | 1.0 | 1.1 | 1.4 | 1.3 | 1.2 | 1.4 | 1.1 | 1.1 | 1.1 | 1.2 | 1.0 | 0.9 | 1.0 | 1.1 | 1.1 | 1.0 | 1.1 | 1.4 |
| 12 | 1.3 | S | 1.0 | 1.1 | 1.2 | 1.1 | 1.2 | 0.9 | 0.8 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 0.9 | 0.9 | 0.7 | 1.0 | 1.0 | 1.1 | 0.9 | 1.0 | 1.3 |
| 13 | 1.0 | S | 0.5 | 1.0 | 1.0 | 0.9 | 0.9 | 1.2 | 1.0 | 1.0 | 1.1 | 1.4 | 1.1 | 1.1 | 1.2 | 1.0 | 1.1 | 1.1 | 1.0 | 0.9 | 1.0 | 1.0 | 0.8 | 0.9 | 1.0 | 1.4 |
| 14 | 1.0 | S | 0.9 | 1.0 | 0.9 | 1.1 | 1.1 | 1.1 | 1.0 | 1.0 | 1.2 | 1.2 | 1.1 | 1.1 | 1.1 | 1.0 | 1.1 | 0.9 | 1.0 | 1.1 | 0.9 | 0.9 | 1.0 | 1.0 | 1.0 | 1.2 |
| 15 | 1.1 | S | 1.0 | 1.0 | 1.1 | 1.0 | 0.9 | 1.0 | 1.0 | 1.2 | 1.1 | 1.3 | 1.1 | 1.0 | 1.0 | 1.3 | 1.3 | 1.0 | 0.7 | 1.1 | 1.0 | 0.7 | 0.0 | 0.6 | 1.0 | 1.3 |
| 16 | 1.0 | S | 0.8 | 0.8 | 0.9 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | 1.3 | 1.1 | 1.1 | 1.0 | 0.9 | 1.0 | 1.1 | 1.1 | 0.9 | 1.0 | 1.1 | 1.0 | 0.9 | 0.9 | 1.0 | 1.3 |
| 17 | 1.0 | S | 0.8 | 0.9 | 1.1 | 1.0 | 1.1 | 1.3 | 1.5 | 1.2 | 1.2 | 1.7 | 1.4 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.0 | 1.1 | 1.2 | 0.9 | 1.0 | 1.0 | 1.2 | 1.7 |
| 18 | 0.8 | S | 1.4 | 1.9 | 3.0 | 1.8 | 1.5 | 2.4 | 5.5 | 4.8 | 5.4 | 11.3 | 1.7 | 1.3 | 1.2 | 1.2 | 1.2 | 1.3 | 1.1 | 1.1 | 0.9 | 0.9 | 1.1 | 1.0 | 2.3 | 11.3 |
| 19 | 1.4 | S | 1.4 | 2.6 | 1.8 | 2.0 | 1.4 | 1.5 | 3.5 | 2.3 | 2.2 | 1.4 | 1.0 | 2.2 | 2.5 | 3.4 | 1.1 | 0.6 | 1.0 | 1.4 | 1.1 | 1.1 | 1.3 | 1.3 | 1.7 | 3.5 |
| 20 | 2.6 | S | 1.1 | 1.4 | 1.2 | 1.4 | 1.4 | 1.2 | 1.2 | 1.1 | 1.0 | 1.0 | 1.3 | 1.3 | 5.9 | 1.6 | 2.6 | 2.0 | 1.2 | 0.9 | 0.6 | 0.7 | 0.7 | 1.0 | 1.5 | 5.9 |
| 21 | 1.1 | S | 0.7 | 0.9 | 1.2 | 3.2 | 2.1 | 1.7 | 3.5 | 4.5 | 6.3 | 0.9 | 0.9 | 1.3 | 3.6 | 5.0 | 1.8 | 1.0 | 1.0 | 0.8 | 0.9 | 1.0 | 1.2 | 1.0 | 2.0 | 6.3 |
| 22 | 1.3 | S | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 1.1 | 1.2 | 2.8 | 1.2 | 1.1 | 1.0 | 1.1 | 1.0 | 1.1 | 1.7 | 1.4 | 1.1 | 0.8 | 0.9 | 0.9 | 1.2 | 2.8 |
| 23 | 0.9 | S | 1.4 | 1.1 | 1.1 | 1.3 | 1.2 | 1.2 | 1.1 | 1.0 | 3.7 | 3.4 | 4.0 | 6.0 | 3.4 | 2.3 | 3.8 | 3.4 | 1.2 | 1.0 | 1.0 | 0.9 | 0.8 | 1.0 | 2.0 | 6.0 |
| 24 | 1.1 | S | 1.0 | 1.1 | 1.9 | 1.9 | 2.3 | 1.8 | 2.2 | 3.3 | 2.0 | 1.9 | 7.3 | 1.4 | 1.1 | 1.1 | 1.0 | 1.0 | 1.2 | 1.2 | 1.1 | 1.1 | 1.1 | 1.2 | 1.7 | 7.3 |
| 25 | 1.6 | S | 1.4 | 1.2 | 1.3 | 1.2 | 1.6 | 4.2 | 2.7 | 3.4 | 1.4 | 1.4 | 2.7 | 2.2 | 2.0 | 1.6 | 1.7 | 1.6 | 2.0 | 1.8 | 2.2 | 1.9 | 4.2 | 4.6 | 2.2 | 4.6 |
| 26 | 7.5 | S | 2.1 | 1.3 | 1.4 | 1.4 | 1.0 | 1.2 | 1.1 | 1.1 | 1.2 | 1.4 | 1.2 | 4.1 | 3.4 | 1.4 | 1.1 | 1.0 | 1.1 | 1.2 | 1.7 | 1.5 | 1.0 | 8.3 | 2.1 | 8.3 |
| 27 | 5.7 | S | 3.0 | 2.0 | 2.4 | 3.6 | 1.9 | 1.1 | 1.2 | 1.0 | 1.0 | 1.3 | 1.3 | 7.4 | 9.3 | 6.6 | 5.3 | 1.8 | 0.8 | 0.9 | 2.8 | 3.0 | 0.9 | 0.9 | 2.8 | 9.3 |
| 28 | 0.9 | S | 0.7 | 0.8 | 0.9 | 0.9 | 1.3 | 1.4 | 0.8 | 1.0 | 1.0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.1 | 1.3 | 1.1 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.4 |
| 29 | 1.1 | S | 1.5 | 2.7 | 4.4 | 3.2 | 3.3 | 3.1 | 1.5 | 1.4 | 1.5 | 1.4 | 3.8 | 1.2 | 6.1 | 1.3 | 1.8 | 2.9 | 0.8 | 0.9 | 0.7 | 1.1 | 0.9 | 0.6 | 2.0 | 6.1 |
| 30 | 0.8 | S | 0.8 | 0.7 | 0.8 | 0.9 | 0.9 | 1.2 | 0.8 | 0.9 | 2.4 | 3.8 | 5.7 | 4.1 | 11.9 | 8.7 | 7.6 | 6.2 | 7.3 | 12.8 | 15.9 | 15.0 | 15.0 | 2.6 | 5.5 | 15.9 |
| NO. | 30 | - | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 685 | 100% |
| MEAN | 1.4 | - | 1.4 | 1.7 | 1.7 | 1.8 | 1.7 | 2.4 | 2.9 | 2.9 | 2.7 | 2.4 | 2.2 | 1.9 | 2.7 | 2.0 | 1.7 | 1.4 | 1.3 | 1.5 | 1.6 | 1.6 | 1.6 | 1.5 | | |
| MAX | 7.5 | - | 4.1 | 4.3 | 4.7 | 4.4 | 5.9 | 11.8 | 14.8 | 14.6 | 7.6 | 11.3 | 7.3 | 7.4 | 11.9 | 8.7 | 7.6 | 6.2 | 7.3 | 12.8 | 15.9 | 15.0 | 15.0 | 8.3 | | |



| | | | |
|-----------------------------|----------|--------------------|---------|
| Number of 1HR Exceedences | 0 | Operational Time | 720 HRS |
| Number of Non-Zero Readings | 674 | Operational Uptime | 100.0 % |
| Maximum 1-HR Average | 15.9 PPB | Monthly Average | 1.9 PPB |
| Maximum 24-HR Average | 5.5 PPB | | |
| Monthly Calibration | 5 | | |
| Standard Deviation | 2.1 | | |

Lagoon PM_{2.5} (µg/m³) – September 2024

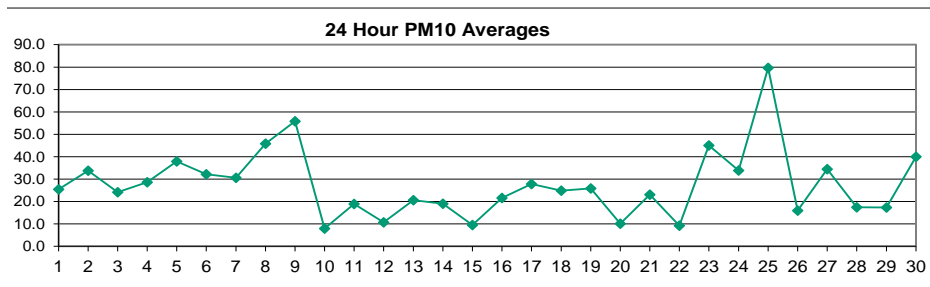
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|----------|----------|----------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 3.6 | 8.4 | 7.4 | 8.0 | 7.2 | 4.0 | 4.5 | 4.5 | 8.0 | 6.5 | 4.8 | 5.0 | 4.6 | 4.5 | 5.0 | 3.8 | 0.0 | 0.0 | 1.8 | 3.3 | 4.9 | 4.5 | 7.7 | 7.4 | 5.0 | 8.4 |
| 2 | 10.6 | 11.5 | 9.0 | 8.3 | 8.9 | 11.8 | 8.9 | 10.9 | 9.0 | 9.2 | 7.0 | 10.8 | 11.3 | 7.8 | 3.9 | 8.0 | 7.2 | 6.9 | 5.6 | 5.0 | 5.8 | 5.2 | 5.8 | 6.5 | 8.1 | 11.8 |
| 3 | 4.4 | 5.6 | 8.9 | 5.3 | 3.8 | 5.8 | 5.4 | 4.7 | 5.6 | 4.4 | 4.0 | 4.9 | 3.9 | 5.3 | 4.4 | 6.4 | 5.5 | 8.1 | 5.2 | 2.2 | 4.3 | 7.3 | 6.4 | 6.9 | 5.4 | 8.9 |
| 4 | 10.7 | 8.6 | 8.4 | 8.0 | 7.2 | 7.2 | 7.7 | 7.4 | 4.8 | 6.1 | 7.8 | 8.4 | 5.5 | C | C | C | C | 4.0 | 4.4 | 3.1 | 4.5 | 6.8 | 6.2 | 5.6 | 6.6 | 10.7 |
| 5 | 8.9 | 6.8 | 8.1 | 6.7 | 10.8 | 9.1 | 8.4 | 10.2 | 10.6 | 7.8 | 7.6 | 9.3 | 6.9 | 3.1 | 2.1 | 0.5 | 1.6 | 2.6 | 0.9 | 0.6 | 4.2 | 6.2 | 7.2 | 7.0 | 6.1 | 10.8 |
| 6 | 6.5 | 4.1 | 4.9 | 3.7 | 2.0 | 1.9 | 3.2 | 5.0 | 6.0 | 4.1 | 3.0 | 4.1 | 3.9 | 3.9 | 3.8 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.8 | 2.8 | 2.8 | 6.5 |
| 7 | 2.7 | 4.1 | 3.2 | 1.6 | 2.7 | 3.9 | 2.7 | 3.6 | 4.9 | 4.3 | 8.4 | 7.6 | 6.6 | 5.6 | 3.1 | 8.8 | 9.1 | 7.4 | 8.0 | 8.7 | 9.8 | 11.5 | 8.6 | 8.7 | 6.1 | 11.5 |
| 8 | 10.5 | 10.9 | 9.2 | 14.0 | 14.3 | 11.8 | 10.4 | 9.0 | 14.1 | 13.7 | 13.0 | 18.7 | 12.0 | 7.6 | 13.8 | 9.3 | 10.4 | 41.8 | 38.5 | 27.1 | 28.5 | 26.4 | 25.5 | 21.5 | 17.2 | 41.8 |
| 9 | 18.6 | 21.4 | 24.2 | 27.2 | 24.3 | 24.7 | 26.0 | 22.2 | 27.9 | 34.0 | 28.2 | 28.9 | 33.8 | 26.8 | 28.3 | 25.9 | 23.3 | 16.5 | 10.8 | 8.6 | 8.1 | 6.5 | 4.7 | 3.7 | 21.0 | 34.0 |
| 10 | 1.8 | 0.0 | 0.0 | 0.5 | 1.7 | 1.2 | 0.0 | 0.0 | 0.4 | 2.7 | 1.5 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 1.0 | 0.2 | 1.1 | 2.3 | 2.4 | 1.8 | 1.2 | 4.3 | 1.0 | 4.3 |
| 11 | 6.6 | 5.7 | 3.7 | 4.3 | 4.0 | 3.7 | 3.6 | 3.3 | 9.4 | 7.8 | 4.8 | 8.8 | 8.4 | 6.1 | 6.8 | 8.9 | 8.1 | 4.2 | 5.4 | 5.3 | 4.6 | 4.9 | 4.9 | 8.8 | 5.9 | 9.4 |
| 12 | 8.2 | 5.7 | 4.7 | 4.5 | 5.3 | 5.2 | 3.6 | 2.2 | 6.4 | 5.1 | 4.2 | 4.0 | 4.5 | 4.4 | 0.7 | 1.6 | 2.1 | 1.4 | 1.8 | 2.4 | 1.8 | 2.0 | 2.1 | 0.7 | 3.5 | 8.2 |
| 13 | 2.1 | 5.5 | 4.5 | 3.4 | 3.0 | 1.6 | 2.0 | 2.5 | 2.1 | 4.4 | 4.4 | 2.1 | 1.8 | 0.9 | 0.0 | 0.7 | 0.8 | 0.0 | 0.0 | 7.2 | 6.2 | 2.8 | 2.8 | 1.7 | 2.6 | 7.2 |
| 14 | 1.2 | 4.3 | 3.1 | 2.5 | 2.2 | 3.7 | 4.8 | 3.8 | 3.7 | 5.4 | 4.3 | 0.5 | 0.0 | 4.6 | 2.6 | 0.3 | 2.5 | 2.9 | 0.0 | 0.9 | 3.5 | 1.0 | 0.0 | 0.0 | 2.4 | 5.4 |
| 15 | 0.0 | 1.8 | 1.7 | 0.8 | 1.4 | 1.5 | 1.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.5 | 1.6 | 1.5 | 0.0 | 0.4 | 0.0 | 0.0 | 1.2 | 0.1 | 1.4 | 2.6 | 4.5 | 3.3 | 1.1 | 4.5 |
| 16 | 2.2 | 3.6 | 2.5 | 1.6 | 0.3 | 2.3 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 4.7 | 5.5 | 4.3 | 3.4 | 1.4 | 5.5 |
| 17 | 3.4 | 2.8 | 2.3 | 2.4 | 2.9 | 0.7 | 2.4 | 4.4 | 6.3 | 5.3 | 4.1 | 6.6 | 4.4 | 2.4 | 2.9 | 1.9 | 1.4 | 3.1 | 2.8 | 3.5 | 4.0 | 6.0 | 4.6 | 1.1 | 3.4 | 6.6 |
| 18 | 3.0 | 6.3 | 6.1 | 4.4 | 4.9 | 4.0 | 3.4 | 9.3 | 9.2 | 6.5 | 5.0 | 4.0 | 3.7 | 0.4 | 0.0 | 0.5 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.3 | 0.3 | 0.7 | 3.0 | 9.3 |
| 19 | 2.2 | 3.4 | 1.5 | 3.3 | 4.2 | 1.6 | 1.5 | 2.1 | 2.0 | 2.5 | 3.5 | 2.8 | 2.5 | 1.8 | 0.5 | 0.8 | 2.4 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 4.2 |
| 20 | 0.0 | 4.2 | 1.7 | 0.0 | 0.0 | 0.0 | 3.4 | 3.1 | 2.2 | 3.4 | 4.7 | 4.0 | 2.7 | 3.8 | 3.1 | 3.5 | 1.7 | 0.0 | 1.5 | 2.6 | 1.1 | 0.0 | 0.0 | 1.9 | 2.0 | 4.7 |
| 21 | 4.0 | 4.8 | 0.0 | 0.0 | 1.6 | 3.1 | 5.7 | 7.8 | 4.9 | 4.2 | 2.9 | 0.1 | 0.2 | 2.9 | 3.2 | 2.1 | 3.3 | 1.7 | 0.0 | 0.4 | 2.0 | 1.1 | 1.2 | 2.3 | 2.5 | 7.8 |
| 22 | 0.0 | 0.0 | 0.0 | 0.4 | 2.2 | 4.9 | 3.5 | 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 | 0.5 | 4.9 |
| 23 | 0.0 | 0.0 | 2.0 | 2.8 | 5.8 | 7.0 | 8.4 | 6.4 | 6.7 | 7.3 | 2.4 | 1.9 | 4.5 | 6.0 | 7.6 | 6.8 | 6.0 | 4.1 | 2.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 8.4 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 4.7 | 0.6 | 0.3 | 3.2 | 7.4 | 8.1 | 9.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.9 | 0.0 | 2.0 | 9.0 |
| 25 | 5.5 | 8.1 | 10.8 | 8.7 | 7.0 | 5.9 | 4.3 | 6.7 | 6.7 | 15.3 | 10.6 | 24.2 | 11.8 | 22.9 | 16.6 | 12.7 | 8.4 | 5.6 | 4.8 | 5.8 | 16.6 | 5.1 | 4.8 | 3.5 | 9.7 | 24.2 |
| 26 | 3.6 | 2.7 | 0.6 | 1.2 | 0.0 | 0.0 | 0.0 | 0.6 | 2.1 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 2.8 | 0.7 | 0.1 | 0.1 | 0.4 | 2.3 | 1.8 | 0.0 | 1.0 | 3.6 |
| 27 | 1.6 | 3.5 | 1.0 | 0.0 | 0.0 | 0.2 | 2.1 | 0.7 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 12.4 | 11.4 | 9.4 | 2.9 | 0.0 | 0.6 | 4.0 | 3.8 | 0.8 | 2.7 | 12.4 |
| 28 | 0.0 | 0.0 | 0.4 | 2.3 | 3.5 | 2.2 | 3.2 | 9.2 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.6 | 1.0 | 1.5 | 3.2 | 1.8 | 2.6 | 7.4 | 1.9 | 9.2 |
| 29 | 5.2 | 6.8 | 7.3 | 5.1 | 8.5 | 6.3 | 5.0 | 5.2 | 1.5 | 0.0 | 0.0 | 1.9 | 2.1 | 3.1 | 0.3 | 6.8 | 3.7 | 0.0 | 6.6 | 2.5 | 0.0 | 1.1 | 1.1 | 0.0 | 3.3 | 8.5 |
| 30 | 0.0 | 0.0 | 1.7 | 3.7 | 1.9 | 1.8 | 0.1 | 0.0 | 3.3 | 3.9 | 3.0 | 2.2 | 1.1 | 1.7 | 2.7 | 4.7 | 1.4 | 1.3 | 3.0 | 2.9 | 6.7 | 5.0 | 2.0 | 4.2 | 2.4 | 6.7 |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 716 | 100% |
| MEAN | 4.2 | 5.0 | 4.6 | 4.5 | 4.7 | 4.7 | 4.8 | 4.9 | 5.5 | 5.6 | 4.9 | 5.6 | 4.9 | 4.6 | 4.1 | 4.6 | 3.9 | 4.2 | 3.7 | 3.2 | 4.3 | 4.2 | 3.9 | 3.8 | | |
| MAX | 18.6 | 21.4 | 24.2 | 27.2 | 24.3 | 24.7 | 26.0 | 22.2 | 27.9 | 34.0 | 28.2 | 28.9 | 33.8 | 26.8 | 28.3 | 25.9 | 23.3 | 41.8 | 38.5 | 27.1 | 28.5 | 26.4 | 25.5 | 21.5 | | |



| | |
|-----------------------------|------------|
| Number of 24HR Exceedences | 0 |
| Number of Non-Zero Readings | 586 |
| Maximum 1-HR Average | 41.8 UG/M3 |
| Maximum 24-HR Average | 21.0 UG/M3 |
| Monthly Calibration | 4 |
| Standard Deviation | 5.58 |
| Operational Time | 720 HRS |
| Operational Uptime | 100.0 % |
| Monthly Average | 4.5 UG/M3 |

Lagoon PM₁₀ (µg/m³) – September 2024

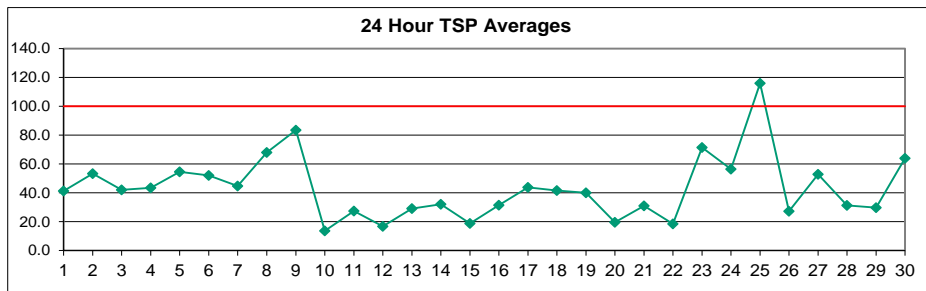
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 17.9 | 59.4 | 34.2 | 30.0 | 28.3 | 20.1 | 15.7 | 20.1 | 52.9 | 25.0 | 40.3 | 67.1 | 34.6 | 19.3 | 2.9 | 19.0 | 10.3 | 10.9 | 5.7 | 11.5 | 20.6 | 19.8 | 22.6 | 23.4 | 25.5 | 67.1 |
| 2 | 14.2 | 24.5 | 30.6 | 26.9 | 22.7 | 59.8 | 46.7 | 32.1 | 40.0 | 40.5 | 56.2 | 46.0 | 30.2 | 29.8 | 15.2 | 14.2 | 24.1 | 11.2 | 14.7 | 26.1 | 35.7 | 49.7 | 78.1 | 41.6 | 33.8 | 78.1 |
| 3 | 35.3 | 17.6 | 16.2 | 13.8 | 21.5 | 11.7 | 6.5 | 10.9 | 21.7 | 14.5 | 12.4 | 24.6 | 9.8 | 15.0 | 32.8 | 69.7 | 58.4 | 48.6 | 21.4 | 25.6 | 38.9 | 23.3 | 16.8 | 12.8 | 24.2 | 69.7 |
| 4 | 18.6 | 12.1 | 27.4 | 32.0 | 26.6 | 26.7 | 28.0 | 29.6 | 42.9 | 25.7 | 27.7 | 31.0 | 34.1 | C | C | C | C | 29.7 | 35.0 | 28.0 | 27.8 | 39.0 | 26.5 | 24.6 | 28.6 | 42.9 |
| 5 | 23.3 | 24.4 | 30.0 | 19.5 | 24.6 | 17.5 | 26.2 | 52.5 | 56.0 | 47.0 | 116.3 | 110.2 | 51.4 | 32.0 | 11.6 | 18.9 | 41.8 | 28.9 | 21.4 | 23.3 | 31.2 | 33.2 | 27.1 | 41.9 | 37.9 | 116.3 |
| 6 | 15.4 | 11.6 | 9.8 | 16.9 | 10.7 | 13.1 | 18.9 | 21.0 | 44.4 | 27.7 | 20.6 | 68.6 | 78.7 | 100.8 | 52.3 | 19.5 | 26.7 | 18.1 | 11.4 | 22.3 | 49.9 | 26.8 | 53.9 | 34.1 | 32.2 | 100.8 |
| 7 | 26.2 | 11.9 | 18.8 | 16.0 | 11.6 | 7.8 | 16.6 | 23.6 | 43.4 | 33.7 | 59.4 | 64.6 | 70.6 | 37.0 | 68.7 | 34.8 | 18.3 | 14.2 | 15.7 | 23.7 | 23.5 | 37.9 | 23.1 | 32.5 | 30.6 | 70.6 |
| 8 | 32.0 | 37.7 | 34.0 | 61.0 | 50.5 | 26.3 | 34.5 | 34.1 | 71.3 | 35.7 | 87.8 | 75.9 | 78.4 | 17.4 | 46.1 | 25.5 | 19.1 | 72.0 | 60.1 | 36.1 | 40.6 | 52.9 | 38.8 | 32.3 | 45.8 | 87.8 |
| 9 | 29.4 | 30.1 | 50.1 | 63.2 | 41.1 | 52.0 | 52.8 | 50.3 | 78.0 | 120.0 | 119.6 | 65.1 | 96.7 | 108.7 | 117.7 | 55.1 | 43.2 | 44.4 | 40.0 | 36.2 | 21.2 | 13.7 | 8.6 | 3.0 | 55.8 | 120.0 |
| 10 | 3.0 | 13.1 | 8.0 | 2.0 | 11.3 | 11.1 | 7.5 | 5.5 | 8.1 | 15.2 | 0.0 | 0.0 | 0.0 | 1.6 | 6.0 | 8.4 | 6.6 | 7.5 | 11.7 | 9.2 | 8.8 | 12.1 | 15.3 | 18.8 | 8.0 | 18.8 |
| 11 | 20.0 | 13.8 | 9.5 | 12.0 | 14.7 | 25.4 | 16.0 | 22.4 | 31.6 | 16.7 | 19.2 | 34.8 | 51.0 | 29.4 | 24.9 | 20.7 | 11.4 | 9.3 | 12.5 | 7.6 | 11.2 | 13.4 | 12.5 | 15.1 | 19.0 | 51.0 |
| 12 | 13.5 | 19.2 | 12.6 | 9.0 | 13.1 | 8.0 | 14.4 | 9.8 | 10.0 | 10.9 | 6.5 | 11.1 | 15.0 | 16.5 | 11.4 | 7.2 | 7.0 | 5.0 | 7.0 | 9.3 | 6.0 | 8.4 | 15.1 | 11.1 | 10.7 | 19.2 |
| 13 | 20.2 | 16.3 | 13.7 | 9.9 | 9.0 | 11.3 | 25.9 | 23.3 | 24.0 | 25.0 | 46.6 | 26.5 | 51.0 | 17.1 | 8.8 | 5.9 | 7.0 | 15.0 | 21.3 | 51.4 | 31.4 | 15.5 | 11.8 | 6.2 | 20.6 | 51.4 |
| 14 | 15.7 | 15.2 | 13.5 | 11.4 | 8.9 | 20.3 | 16.9 | 22.3 | 14.3 | 31.6 | 18.4 | 14.7 | 35.7 | 37.1 | 18.1 | 6.5 | 4.4 | 0.1 | 6.7 | 58.6 | 61.8 | 10.7 | 9.0 | 5.5 | 19.1 | 61.8 |
| 15 | 1.6 | 8.0 | 22.6 | 15.2 | 7.1 | 3.5 | 22.6 | 16.1 | 13.7 | 8.3 | 19.6 | 12.2 | 6.7 | 0.9 | 1.7 | 1.0 | 1.9 | 10.1 | 4.6 | 4.8 | 8.3 | 10.0 | 20.1 | 8.9 | 9.6 | 22.6 |
| 16 | 28.7 | 31.9 | 10.9 | 6.5 | 5.7 | 30.8 | 14.5 | 36.6 | 31.0 | 20.3 | 14.6 | 33.4 | 42.7 | 23.2 | 13.7 | 23.7 | 14.4 | 13.1 | 9.2 | 14.8 | 17.8 | 28.0 | 32.1 | 21.1 | 21.6 | 42.7 |
| 17 | 27.1 | 18.8 | 21.7 | 21.1 | 21.5 | 22.8 | 31.2 | 41.5 | 110.2 | 48.9 | 48.6 | 36.8 | 21.9 | 12.5 | 11.8 | 11.8 | 18.9 | 26.1 | 14.5 | 13.6 | 19.2 | 24.6 | 25.7 | 16.9 | 27.8 | 110.2 |
| 18 | 26.5 | 32.5 | 28.4 | 36.9 | 38.6 | 27.9 | 29.8 | 46.2 | 27.6 | 35.2 | 57.8 | 33.5 | 24.8 | 24.5 | 23.6 | 12.1 | 8.6 | 3.7 | 1.0 | 23.2 | 19.5 | 6.9 | 17.7 | 10.5 | 24.9 | 57.8 |
| 19 | 30.1 | 20.6 | 24.5 | 18.7 | 39.3 | 12.5 | 16.5 | 17.9 | 13.4 | 36.5 | 56.2 | 52.5 | 31.7 | 20.9 | 30.0 | 42.0 | 39.3 | 21.9 | 13.2 | 16.9 | 19.7 | 24.8 | 15.0 | 5.2 | 25.8 | 56.2 |
| 20 | 14.8 | 26.3 | 19.9 | 4.8 | 7.1 | 7.9 | 8.5 | 19.4 | 0.0 | 9.2 | 9.0 | 5.2 | 5.4 | 15.9 | 2.7 | 24.5 | 0.0 | 2.7 | 4.0 | 15.5 | 17.0 | 3.1 | 7.3 | 12.5 | 10.1 | 26.3 |
| 21 | 25.0 | 29.8 | 0.0 | 19.2 | 9.0 | 28.6 | 26.3 | 20.0 | 10.4 | 10.4 | 6.2 | 33.1 | 3.8 | 37.7 | 64.5 | 52.9 | 60.1 | 53.9 | 7.4 | 8.1 | 7.9 | 11.0 | 10.0 | 19.4 | 23.1 | 64.5 |
| 22 | 7.2 | 31.6 | 16.3 | 16.1 | 3.4 | 29.6 | 19.7 | 0.0 | 5.4 | 5.9 | 6.2 | 3.7 | 17.4 | 9.6 | 5.0 | 0.4 | 2.2 | 4.2 | 3.0 | 9.3 | 16.7 | 4.5 | 2.9 | 1.3 | 9.2 | 31.6 |
| 23 | 0.0 | 0.0 | 2.2 | 47.7 | 21.2 | 51.6 | 35.1 | 43.5 | 78.5 | 65.9 | 17.8 | 75.1 | 81.8 | 71.6 | 139.9 | 83.7 | 92.6 | 125.2 | 31.9 | 0.6 | 1.6 | 0.1 | 6.5 | 7.2 | 45.1 | 139.9 |
| 24 | 3.2 | 37.3 | 2.3 | 13.8 | 63.8 | 33.1 | 24.9 | 27.8 | 49.2 | 58.7 | 99.0 | 79.1 | 76.6 | 67.5 | 27.6 | 21.7 | 12.5 | 17.4 | 14.7 | 13.1 | 9.0 | 15.8 | 21.9 | 22.1 | 33.8 | 99.0 |
| 25 | 36.1 | 45.4 | 82.8 | 68.1 | 43.8 | 24.6 | 14.7 | 20.1 | 91.9 | 222.5 | 98.0 | 119.7 | 77.2 | 281.7 | 159.4 | 111.5 | 129.5 | 54.8 | 23.0 | 27.4 | 71.8 | 37.9 | 29.2 | 40.3 | 79.6 | 281.7 |
| 26 | 37.4 | 38.5 | 23.9 | 19.2 | 3.2 | 4.4 | 3.2 | 6.1 | 12.1 | 5.7 | 0.0 | 18.2 | 10.1 | 5.8 | 22.3 | 59.1 | 37.3 | 0.2 | 2.7 | 8.5 | 19.0 | 25.8 | 14.4 | 6.6 | 16.0 | 59.1 |
| 27 | 59.4 | 13.1 | 15.8 | 10.3 | 9.5 | 27.4 | 31.6 | 14.9 | 12.1 | 10.7 | 6.9 | 6.2 | 27.8 | 28.5 | 143.8 | 125.3 | 134.1 | 60.5 | 18.5 | 1.1 | 2.3 | 36.3 | 30.0 | 1.7 | 34.5 | 143.8 |
| 28 | 18.2 | 7.5 | 5.0 | 16.0 | 22.8 | 23.6 | 36.4 | 24.1 | 35.1 | 12.5 | 7.5 | 4.7 | 7.2 | 16.8 | 22.4 | 18.8 | 9.3 | 19.9 | 10.1 | 11.2 | 18.4 | 9.8 | 18.1 | 43.5 | 17.5 | 43.5 |
| 29 | 19.6 | 18.0 | 27.5 | 24.7 | 22.9 | 16.5 | 22.1 | 11.4 | 16.5 | 0.0 | 16.8 | 22.8 | 0.0 | 21.7 | 0.0 | 82.2 | 8.0 | 23.5 | 39.2 | 0.0 | 3.5 | 5.1 | 10.9 | 4.0 | 17.4 | 82.2 |
| 30 | 3.1 | 12.5 | 7.0 | 17.3 | 16.0 | 7.6 | 21.8 | 14.0 | 51.0 | 15.2 | 45.1 | 37.3 | 28.4 | 64.0 | 43.1 | 70.4 | 53.5 | 41.9 | 33.0 | 47.1 | 70.4 | 95.1 | 75.9 | 90.1 | 40.0 | 95.1 |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 716 | 100% |
| MEAN | 20.8 | 22.6 | 20.6 | 22.6 | 21.0 | 22.1 | 22.9 | 23.9 | 36.5 | 34.5 | 38.0 | 40.5 | 36.7 | 40.2 | 38.9 | 36.1 | 31.0 | 26.5 | 17.1 | 19.5 | 24.4 | 23.2 | 23.2 | 20.5 | | |
| MAX | 59.4 | 59.4 | 82.8 | 68.1 | 63.8 | 59.8 | 52.8 | 52.5 | 110.2 | 222.5 | 119.6 | 119.7 | 96.7 | 281.7 | 159.4 | 125.3 | 134.1 | 125.2 | 60.1 | 58.6 | 71.8 | 95.1 | 78.1 | 90.1 | | |



| | | | |
|-----------------------------|-------------|--------------------|------------|
| Number of Non-Zero Readings | 703 | Operational Time | 720 HRS |
| Maximum 1-HR Average | 281.7 UG/M3 | Operational Uptime | 100.0 % |
| Maximum 24-HR Average | 79.6 UG/M3 | Monthly Average | 27.6 UG/M3 |
| Monthly Calibration | 4 | | |
| Standard Deviation | 27.2 | | |

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

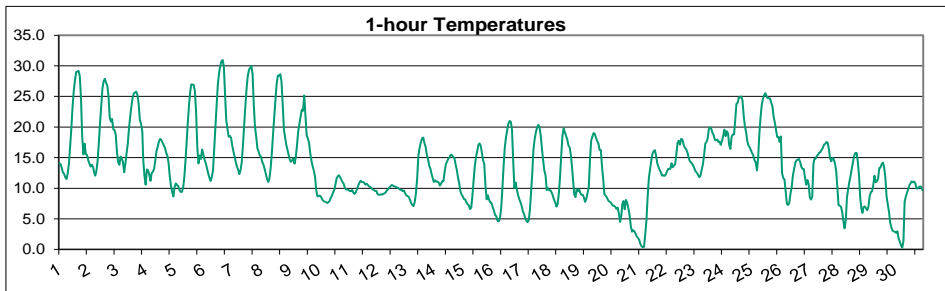
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|------|-------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 1 | 33.9 | 93.5 | 70.7 | 54.2 | 46.8 | 28.8 | 25.4 | 38.5 | 53.3 | 36.0 | 58.2 | 75.3 | 65.1 | 38.9 | 19.7 | 31.6 | 23.2 | 16.3 | 8.7 | 26.8 | 39.7 | 35.7 | 41.5 | 29.0 | 41.3 | 93.5 | |
| 2 | 30.4 | 37.3 | 45.8 | 42.6 | 48.8 | 76.2 | 52.2 | 50.9 | 51.5 | 52.3 | 75.9 | 76.6 | 34.0 | 46.7 | 23.9 | 21.1 | 33.4 | 26.2 | 37.0 | 61.0 | 69.9 | 98.0 | 107.7 | 79.4 | 53.3 | 107.7 | |
| 3 | 72.5 | 35.5 | 17.1 | 12.7 | 29.2 | 22.2 | 17.2 | 31.4 | 49.9 | 24.9 | 19.7 | 40.0 | 21.8 | 32.1 | 54.1 | 106.3 | 95.7 | 64.7 | 34.0 | 51.3 | 72.8 | 32.3 | 33.1 | 37.6 | 42.0 | 106.3 | |
| 4 | 26.7 | 28.3 | 45.0 | 47.3 | 47.3 | 47.0 | 43.2 | 37.7 | 58.2 | 35.3 | 47.6 | 48.5 | 47.9 | C | C | C | C | 48.4 | 41.1 | 38.8 | 36.6 | 61.1 | 39.2 | 43.8 | 43.5 | 61.1 | |
| 5 | 31.9 | 34.9 | 39.6 | 26.9 | 37.1 | 27.6 | 33.6 | 63.0 | 80.3 | 57.5 | 137.2 | 148.0 | 72.9 | 58.2 | 18.4 | 32.8 | 56.8 | 50.0 | 32.9 | 46.0 | 43.2 | 45.2 | 50.6 | 84.1 | 54.5 | 148.0 | |
| 6 | 35.0 | 28.0 | 18.9 | 21.4 | 21.4 | 16.0 | 26.1 | 33.3 | 65.9 | 30.4 | 30.5 | 109.6 | 133.5 | 145.0 | 69.4 | 28.0 | 32.3 | 31.8 | 31.4 | 48.9 | 86.9 | 43.6 | 94.9 | 65.6 | 52.0 | 145.0 | |
| 7 | 47.5 | 51.6 | 32.2 | 36.5 | 34.5 | 18.4 | 21.3 | 32.8 | 61.6 | 31.5 | 94.4 | 90.8 | 94.4 | 52.8 | 28.0 | 45.6 | 32.5 | 25.5 | 17.6 | 43.1 | 34.3 | 58.0 | 36.6 | 50.1 | 44.6 | 94.4 | |
| 8 | 57.8 | 51.8 | 58.9 | 94.8 | 82.7 | 39.9 | 55.3 | 50.4 | 104.0 | 55.3 | 112.0 | 115.3 | 115.8 | 30.7 | 94.6 | 37.3 | 22.7 | 92.4 | 89.5 | 55.2 | 60.3 | 65.2 | 44.8 | 44.0 | 67.9 | 115.8 | |
| 9 | 38.1 | X | 78.8 | 100.1 | 52.3 | 61.5 | 66.0 | 72.6 | 117.8 | 156.6 | 173.2 | 81.0 | 133.1 | 152.5 | 205.1 | 118.0 | 88.0 | 60.7 | 63.8 | 70.7 | 45.9 | 36.9 | 27.1 | 24.6 | 12.5 | 83.4 | 205.1 |
| 10 | 10.3 | 15.4 | 18.9 | 9.2 | 9.8 | 12.9 | 6.7 | 15.6 | 7.5 | 10.5 | 9.4 | 5.2 | 12.7 | 10.5 | 11.8 | 37.7 | 9.1 | 15.0 | 24.9 | 20.0 | 18.3 | 18.0 | 24.8 | 18.4 | 13.7 | 24.9 | |
| 11 | 18.8 | 17.7 | 19.8 | 18.1 | 18.2 | 36.5 | 17.9 | 31.1 | 40.2 | 22.2 | 29.1 | 49.3 | 66.7 | 30.9 | 28.3 | 25.1 | 18.8 | 18.0 | 24.5 | 25.4 | 20.7 | 28.4 | 28.6 | 22.9 | 27.4 | 66.7 | |
| 12 | 20.4 | X | 26.6 | 24.3 | 18.6 | 15.2 | 20.8 | 19.4 | 18.6 | 19.9 | 21.2 | 25.1 | 8.6 | 15.8 | 13.7 | 9.0 | 11.5 | 13.0 | 12.7 | 9.4 | 18.8 | 13.6 | 14.6 | 14.2 | 16.7 | 26.6 | |
| 13 | 26.8 | 19.7 | 24.8 | 17.3 | 13.6 | 20.4 | 21.8 | 24.5 | 23.3 | 18.1 | 44.8 | 30.6 | 74.2 | 26.2 | 11.1 | 6.4 | 28.0 | 20.2 | 30.2 | 74.4 | 55.5 | 35.3 | 32.3 | 16.7 | 29.0 | 74.4 | |
| 14 | 18.0 | 26.3 | 18.4 | 19.8 | 20.9 | 30.4 | 33.5 | 31.7 | 27.3 | 49.6 | 32.9 | 24.3 | 44.8 | 58.3 | 33.3 | 14.3 | 14.5 | 8.9 | 18.5 | 100.2 | 90.4 | 13.3 | 12.9 | 25.8 | 32.0 | 100.2 | |
| 15 | 20.0 | 26.8 | 32.0 | 25.3 | 15.9 | 10.2 | 11.6 | 20.3 | 17.0 | 13.2 | 24.2 | 20.6 | 8.7 | 7.5 | 7.8 | 11.3 | 13.4 | 25.8 | 16.4 | 19.6 | 22.7 | 20.3 | 36.2 | 24.2 | 18.8 | 36.2 | |
| 16 | 25.6 | 33.0 | 15.8 | 17.3 | 12.5 | 40.2 | 20.8 | 36.2 | 45.7 | 24.9 | 20.9 | 52.2 | 61.3 | 29.1 | 23.6 | 41.7 | 14.9 | 22.2 | 19.8 | 36.1 | 39.9 | 42.7 | 49.5 | 29.3 | 31.5 | 61.3 | |
| 17 | 52.5 | X | 36.7 | 26.9 | 27.6 | 29.4 | 44.9 | 64.3 | 130.2 | 57.4 | 73.1 | 63.5 | 42.9 | 27.9 | 25.3 | 18.3 | 30.0 | 46.4 | 36.7 | 25.5 | 40.4 | 39.4 | 39.9 | 27.9 | 43.8 | 130.2 | |
| 18 | 41.2 | 45.8 | 34.8 | 54.7 | 55.7 | 34.5 | 44.3 | 68.7 | 39.1 | 42.1 | 90.3 | 64.4 | 61.8 | 41.9 | 47.6 | 19.3 | 15.8 | 15.5 | 9.1 | 55.6 | 38.8 | 25.6 | 30.9 | 21.6 | 41.6 | 90.3 | |
| 19 | 50.6 | 37.6 | 23.7 | 23.6 | 60.1 | 14.1 | 18.9 | 26.6 | 21.2 | 59.4 | 89.2 | 88.0 | 56.6 | 40.1 | 54.3 | 63.9 | 63.3 | 27.6 | 20.7 | 25.6 | 30.3 | 26.6 | 23.9 | 15.4 | 40.1 | 89.2 | |
| 20 | 20.9 | 29.0 | 17.6 | 16.2 | 23.2 | 20.6 | 23.0 | 36.2 | 18.2 | 12.8 | 14.6 | 20.6 | 11.3 | 27.6 | 12.4 | 37.4 | 9.7 | 9.0 | 12.3 | 25.7 | 12.9 | 21.0 | 15.1 | 22.3 | 19.6 | 37.4 | |
| 21 | 33.1 | 37.1 | 24.6 | 17.3 | 15.7 | 37.8 | 33.7 | 17.9 | 11.4 | 7.4 | 14.4 | 48.6 | 14.5 | 60.8 | 71.8 | 49.1 | 80.9 | 62.0 | 9.2 | 10.2 | 11.0 | 13.3 | 20.4 | 42.4 | 31.0 | 80.9 | |
| 22 | 18.4 | 54.5 | 23.4 | 22.1 | 13.5 | 42.7 | 37.1 | 7.0 | 10.0 | 9.2 | 8.0 | 13.8 | 31.4 | 19.3 | 14.4 | 10.2 | 10.0 | 9.0 | 7.1 | 25.5 | 28.2 | 14.0 | 9.2 | 6.5 | 18.5 | 54.5 | |
| 23 | 3.7 | 10.2 | 9.4 | 74.7 | 33.8 | 63.1 | 45.8 | 76.4 | 129.9 | 89.1 | 25.3 | 115.2 | 123.4 | 110.4 | 230.8 | 122.6 | 149.7 | 191.1 | 50.5 | 14.5 | 9.2 | 5.5 | 18.0 | 11.5 | 71.4 | 230.8 | |
| 24 | 10.3 | 55.1 | 12.3 | 32.2 | 88.4 | 45.8 | 43.7 | 47.4 | 84.4 | 93.3 | 137.1 | 126.1 | 118.3 | 96.5 | 44.0 | 38.4 | 25.0 | 26.8 | 21.8 | 36.1 | 39.1 | 41.1 | 45.3 | 45.4 | 56.4 | 137.1 | |
| 25 | 65.2 | 67.2 | 122.1 | 104.6 | 69.7 | 52.2 | 37.2 | 48.3 | 151.4 | 306.5 | 156.5 | 156.4 | 121.3 | 357.9 | 217.4 | 163.0 | 155.2 | 84.2 | 35.9 | 43.7 | 103.6 | 54.6 | 45.3 | 60.8 | 115.8 | 357.9 | |
| 26 | 51.0 | 62.3 | 22.4 | 34.2 | 10.2 | 12.1 | 15.4 | 8.5 | 26.1 | 5.8 | 10.9 | 22.9 | 16.5 | 7.8 | 44.9 | 87.5 | 53.2 | 20.0 | 15.6 | 16.8 | 31.9 | 36.2 | 26.0 | 15.6 | 27.2 | 87.5 | |
| 27 | 110.2 | 34.8 | 17.8 | 31.4 | 16.2 | 40.6 | 43.3 | 22.7 | 19.0 | 13.2 | 13.2 | 13.0 | 44.1 | 34.5 | 208.3 | 173.4 | 189.6 | 86.5 | 27.4 | 10.8 | 16.8 | 50.4 | 36.5 | 13.9 | 52.8 | 208.3 | |
| 28 | 47.5 | X | 20.7 | 31.8 | 30.0 | 37.5 | 50.9 | 40.6 | 60.5 | 11.2 | 8.0 | 13.6 | 17.2 | 24.2 | 42.0 | 37.2 | 23.3 | 25.1 | 21.7 | 30.9 | 33.1 | 20.9 | 27.0 | 65.4 | 31.3 | 65.4 | |
| 29 | 23.6 | 34.2 | 47.6 | 33.7 | 47.1 | 29.6 | 41.9 | 27.9 | 31.0 | 8.4 | 20.1 | 40.3 | 4.4 | 28.9 | 9.0 | 129.2 | 13.5 | 33.0 | 59.0 | 12.3 | 18.8 | 3.8 | 7.8 | 9.8 | 29.8 | 129.2 | |
| 30 | 29.8 | X | 15.1 | 37.8 | 15.8 | 15.9 | 24.7 | 39.2 | 81.1 | 22.8 | 69.7 | 56.1 | 40.9 | 98.4 | 77.1 | 103.5 | 84.0 | 68.2 | 49.5 | 72.6 | 103.9 | 128.2 | 108.1 | 127.9 | 63.9 | 128.2 | |
| NO. | 30 | 25 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 711 | 99% | |
| MEAN | 35.7 | 38.7 | 33.1 | 37.0 | 33.9 | 32.6 | 32.6 | 37.4 | 54.5 | 45.9 | 55.4 | 61.2 | 56.7 | 59.0 | 60.1 | 54.0 | 47.3 | 41.6 | 29.5 | 36.9 | 42.2 | 37.3 | 37.5 | 36.1 | | | |
| MAX | 110.2 | 93.5 | 122.1 | 104.6 | 88.4 | 76.2 | 66.0 | 76.4 | 151.4 | 306.5 | 173.2 | 156.4 | 133.5 | 357.9 | 230.8 | 173.4 | 189.6 | 191.1 | 89.5 | 100.2 | 103.9 | 128.2 | 108.1 | 127.9 | | | |



| | | | |
|-----------------------------|-------------|-----------------|------------|
| Number of 24HR Exceedences | 1 | | |
| Number of Non-Zero Readings | 711 | | |
| Maximum 1-HR Average | 357.9 UG/M3 | | |
| Maximum 24-HR Average | 115.8 UG/M3 | | |
| Operational Time | 715 HRS | | |
| Operational Uptime | 99.3 % | | |
| Monthly Calibration | 4 | | |
| Standard Deviation | 37.7 | Monthly Average | 43.1 UG/M3 |

Lagoon Temperature (°C) – September 2024

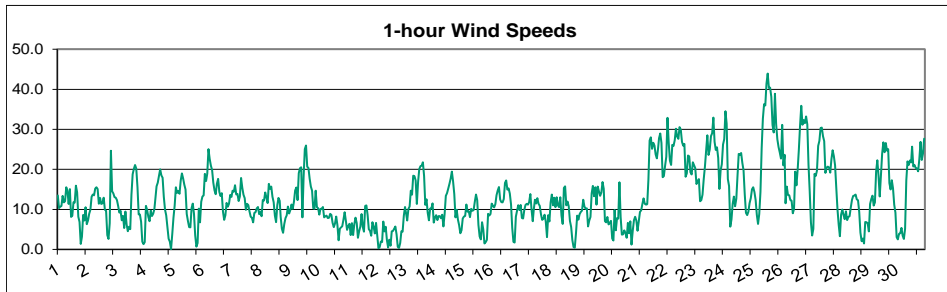
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 14.1 | 14.0 | 13.3 | 12.6 | 12.3 | 11.8 | 11.5 | 12.4 | 14.0 | 16.8 | 19.7 | 23.2 | 25.8 | 27.6 | 29.0 | 29.1 | 29.2 | 28.3 | 24.8 | 18.5 | 15.5 | 17.3 | 15.6 | 15.5 | 18.8 | 29.2 |
| 2 | 14.6 | 14.0 | 13.5 | 13.8 | 13.4 | 12.5 | 12.1 | 12.8 | 14.5 | 17.4 | 20.7 | 23.5 | 26.3 | 27.5 | 27.9 | 27.2 | 26.8 | 25.1 | 21.6 | 20.9 | 21.3 | 19.6 | 19.5 | 18.8 | 19.4 | 27.9 |
| 3 | 16.0 | 14.3 | 13.8 | 15.2 | 14.8 | 14.3 | 12.6 | 14.0 | 15.8 | 17.3 | 19.9 | 21.7 | 23.4 | 24.8 | 25.5 | 25.7 | 25.8 | 25.2 | 23.8 | 21.2 | 20.5 | 19.3 | 14.6 | 12.1 | 18.8 | 25.8 |
| 4 | 10.6 | 13.1 | 12.9 | 12.2 | 11.2 | 12.5 | 12.7 | 13.2 | 14.6 | 16.1 | 16.8 | 17.6 | 18.1 | 17.9 | 17.4 | 17.0 | 16.6 | 15.8 | 15.3 | 14.1 | 11.9 | 10.4 | 9.4 | 8.7 | 14.0 | 18.1 |
| 5 | 10.2 | 10.8 | 10.5 | 10.4 | 9.8 | 9.4 | 9.4 | 10.0 | 11.7 | 14.5 | 17.7 | 21.0 | 23.8 | 25.9 | 27.0 | 26.9 | 26.9 | 25.9 | 22.5 | 16.7 | 14.0 | 15.4 | 14.8 | 16.3 | 16.7 | 27.0 |
| 6 | 15.6 | 14.7 | 14.1 | 13.3 | 12.5 | 11.8 | 11.2 | 11.8 | 12.9 | 16.4 | 20.0 | 23.5 | 26.9 | 28.7 | 30.0 | 30.7 | 31.0 | 29.9 | 25.3 | 21.1 | 19.7 | 18.4 | 18.6 | 18.2 | 19.8 | 31.0 |
| 7 | 16.9 | 15.9 | 15.2 | 14.2 | 13.4 | 13.0 | 12.3 | 12.9 | 14.2 | 17.0 | 20.2 | 23.3 | 26.2 | 28.3 | 29.3 | 29.7 | 30.0 | 28.7 | 23.6 | 20.0 | 18.5 | 16.5 | 16.0 | 15.3 | 19.6 | 30.0 |
| 8 | 15.2 | 14.3 | 13.9 | 13.2 | 12.3 | 11.5 | 11.0 | 11.6 | 13.3 | 15.8 | 18.9 | 21.8 | 24.6 | 27.2 | 28.4 | 28.4 | 28.7 | 27.4 | 23.6 | 19.5 | 18.3 | 17.0 | 16.4 | 15.5 | 18.7 | 28.7 |
| 9 | 14.7 | 14.3 | 14.6 | 14.9 | 14.0 | 15.1 | 17.0 | 19.3 | 20.5 | 21.7 | 22.8 | 22.7 | 25.2 | 21.9 | 18.7 | 18.1 | 17.5 | 15.7 | 14.5 | 13.6 | 12.9 | 11.9 | 9.6 | 8.7 | 16.7 | 25.2 |
| 10 | 8.8 | 8.8 | 8.6 | 8.1 | 7.9 | 7.8 | 7.8 | 7.6 | 7.7 | 7.9 | 8.4 | 8.8 | 9.4 | 9.8 | 10.5 | 11.6 | 12.0 | 12.1 | 11.8 | 11.4 | 11.0 | 10.7 | 10.0 | 9.8 | 9.5 | 12.1 |
| 11 | 9.8 | 9.7 | 9.6 | 9.5 | 9.7 | 9.3 | 9.1 | 9.4 | 9.8 | 10.4 | 10.9 | 11.3 | 11.0 | 11.0 | 10.9 | 10.6 | 10.7 | 10.6 | 10.3 | 10.2 | 10.0 | 9.8 | 9.7 | 9.5 | 10.1 | 11.3 |
| 12 | 9.6 | 9.0 | 8.9 | 8.9 | 9.0 | 9.0 | 9.1 | 9.2 | 9.4 | 9.7 | 9.8 | 10.1 | 10.4 | 10.5 | 10.4 | 10.3 | 10.3 | 10.1 | 10.1 | 9.9 | 9.7 | 9.7 | 9.5 | 9.7 | 9.7 | 10.5 |
| 13 | 9.2 | 8.8 | 8.7 | 8.6 | 8.1 | 7.6 | 7.3 | 7.1 | 7.8 | 9.2 | 11.6 | 15.2 | 16.6 | 17.4 | 18.1 | 18.3 | 17.4 | 16.8 | 15.5 | 14.8 | 13.7 | 13.2 | 12.5 | 11.7 | 12.3 | 18.3 |
| 14 | 11.0 | 11.3 | 11.1 | 11.1 | 10.9 | 10.4 | 10.7 | 11.2 | 11.2 | 12.7 | 13.9 | 14.4 | 14.8 | 15.1 | 15.5 | 15.4 | 15.1 | 15.0 | 13.9 | 13.1 | 11.8 | 10.9 | 9.5 | 9.0 | 12.5 | 15.5 |
| 15 | 8.7 | 8.2 | 8.2 | 7.7 | 7.4 | 7.2 | 6.6 | 6.8 | 8.8 | 11.3 | 13.6 | 15.1 | 16.1 | 17.1 | 17.3 | 17.0 | 15.9 | 14.6 | 14.0 | 10.4 | 8.2 | 8.8 | 8.1 | 7.6 | 11.0 | 17.3 |
| 16 | 7.6 | 6.9 | 6.4 | 5.6 | 5.4 | 4.7 | 4.6 | 5.1 | 6.7 | 9.8 | 13.5 | 16.6 | 18.3 | 19.5 | 20.5 | 21.0 | 20.9 | 19.5 | 14.4 | 10.0 | 10.9 | 9.8 | 8.9 | 8.2 | 11.5 | 21.0 |
| 17 | 7.7 | 7.1 | 6.3 | 5.8 | 5.1 | 4.7 | 4.4 | 4.8 | 6.4 | 9.3 | 12.5 | 16.4 | 18.1 | 19.1 | 19.9 | 20.3 | 20.0 | 18.6 | 16.5 | 14.6 | 12.9 | 12.1 | 9.7 | 10.0 | 11.8 | 20.3 |
| 18 | 9.7 | 9.7 | 9.3 | 8.8 | 8.2 | 7.7 | 7.0 | 7.4 | 9.1 | 11.8 | 15.3 | 18.5 | 19.8 | 19.2 | 18.6 | 18.0 | 17.0 | 16.7 | 15.4 | 13.4 | 10.8 | 9.0 | 8.5 | 9.9 | 12.4 | 19.8 |
| 19 | 9.5 | 9.8 | 9.3 | 8.9 | 9.0 | 8.5 | 7.8 | 8.3 | 9.2 | 10.1 | 14.5 | 17.8 | 18.4 | 19.0 | 18.9 | 18.2 | 17.7 | 17.3 | 16.3 | 16.3 | 13.6 | 11.4 | 9.0 | 8.8 | 12.8 | 19.0 |
| 20 | 8.5 | 8.1 | 7.8 | 7.7 | 7.4 | 7.2 | 7.0 | 6.6 | 6.9 | 5.9 | 4.5 | 5.5 | 7.4 | 7.9 | 6.6 | 8.1 | 7.7 | 6.8 | 8.1 | 5.7 | 3.9 | 2.9 | 3.1 | 3.0 | 6.4 | 8.5 |
| 21 | 2.6 | 2.1 | 1.9 | 1.6 | 0.9 | 0.5 | 0.4 | 0.4 | 2.4 | 4.7 | 8.6 | 11.6 | 13.1 | 14.5 | 15.6 | 16.0 | 16.2 | 15.3 | 14.1 | 13.5 | 13.0 | 12.6 | 12.0 | 12.1 | 8.6 | 16.2 |
| 22 | 12.0 | 12.2 | 12.7 | 13.2 | 13.2 | 13.1 | 14.1 | 13.4 | 13.7 | 13.9 | 15.5 | 17.4 | 17.8 | 17.1 | 18.1 | 18.0 | 17.1 | 16.6 | 16.4 | 16.0 | 15.2 | 14.5 | 14.3 | 14.0 | 15.0 | 18.1 |
| 23 | 13.7 | 13.2 | 12.8 | 12.5 | 12.2 | 11.8 | 12.0 | 13.0 | 13.9 | 15.5 | 17.3 | 17.6 | 18.2 | 19.7 | 20.0 | 19.7 | 19.0 | 18.6 | 17.9 | 17.9 | 18.0 | 17.6 | 17.6 | 17.1 | 16.1 | 20.0 |
| 24 | 17.7 | 18.6 | 19.6 | 18.5 | 19.3 | 19.0 | 17.1 | 16.4 | 18.4 | 18.8 | 21.1 | 23.8 | 24.0 | 24.9 | 24.8 | 25.0 | 24.3 | 21.9 | 20.2 | 19.2 | 17.7 | 17.0 | 16.7 | 17.0 | 20.1 | 25.0 |
| 25 | 16.2 | 15.7 | 15.3 | 14.6 | 14.2 | 12.9 | 15.0 | 18.9 | 21.6 | 23.7 | 24.7 | 25.2 | 25.5 | 25.1 | 24.7 | 24.7 | 24.7 | 24.0 | 23.4 | 21.7 | 20.7 | 19.6 | 18.4 | 18.4 | 20.4 | 25.5 |
| 26 | 17.6 | 18.5 | 12.5 | 11.6 | 11.5 | 9.5 | 7.5 | 7.3 | 7.6 | 9.1 | 10.2 | 12.1 | 13.2 | 14.2 | 14.6 | 14.7 | 14.8 | 14.3 | 13.5 | 13.2 | 13.2 | 11.7 | 10.6 | 11.3 | 12.2 | 18.5 |
| 27 | 10.7 | 8.5 | 8.2 | 8.6 | 13.9 | 14.8 | 14.8 | 15.3 | 15.5 | 15.8 | 15.9 | 16.3 | 16.6 | 17.2 | 17.2 | 17.5 | 17.5 | 16.4 | 14.8 | 14.4 | 15.0 | 14.8 | 14.1 | 13.0 | 14.4 | 17.5 |
| 28 | 10.3 | 7.2 | 7.1 | 7.0 | 6.1 | 4.7 | 3.5 | 4.7 | 8.5 | 9.9 | 11.1 | 12.0 | 13.2 | 14.3 | 15.3 | 15.8 | 15.8 | 14.3 | 12.0 | 8.4 | 6.7 | 5.9 | 6.9 | 7.0 | 9.5 | 15.8 |
| 29 | 6.7 | 6.4 | 7.0 | 8.7 | 9.4 | 9.5 | 10.5 | 12.0 | 11.0 | 11.1 | 11.6 | 13.3 | 13.4 | 14.0 | 14.2 | 13.4 | 11.8 | 8.7 | 7.4 | 6.2 | 4.4 | 3.6 | 3.1 | 2.9 | 9.2 | 14.2 |
| 30 | 2.9 | 2.7 | 3.0 | 1.8 | 1.3 | 0.7 | 0.3 | 1.4 | 7.8 | 8.7 | 9.3 | 9.9 | 10.5 | 10.8 | 11.1 | 10.9 | 11.1 | 10.8 | 9.9 | 10.0 | 10.2 | 10.3 | 10.2 | 9.6 | 7.3 | 11.1 |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 720 | 100% |
| MEAN | 11.3 | 10.9 | 10.5 | 10.3 | 10.1 | 9.7 | 9.5 | 10.2 | 11.5 | 13.1 | 15.0 | 16.8 | 18.1 | 18.9 | 19.3 | 19.2 | 19.0 | 18.1 | 16.4 | 14.5 | 13.5 | 12.7 | 11.9 | 11.6 | | |
| MAX | 17.7 | 18.6 | 19.6 | 18.5 | 19.3 | 19.0 | 17.1 | 19.3 | 21.6 | 23.7 | 24.7 | 25.2 | 26.9 | 28.7 | 30.0 | 30.7 | 31.0 | 29.9 | 25.3 | 21.7 | 21.3 | 19.6 | 19.5 | 18.8 | | |



| | | | |
|-----------------------------|--------|--------------------|---------|
| Number of Non-Zero Readings | 720 | | |
| Maximum 1-HR Average | 31.0 C | | |
| Maximum 24-HR Average | 20.4 C | | |
| Monthly Calibration | 0 | Operational Time | 720 HRS |
| Standard Deviation | 5.96 | Operational Uptime | 100.0 % |
| | | Monthly Average | 13.8 C |

Lagoon Wind Speed (km/hr) – September 2024

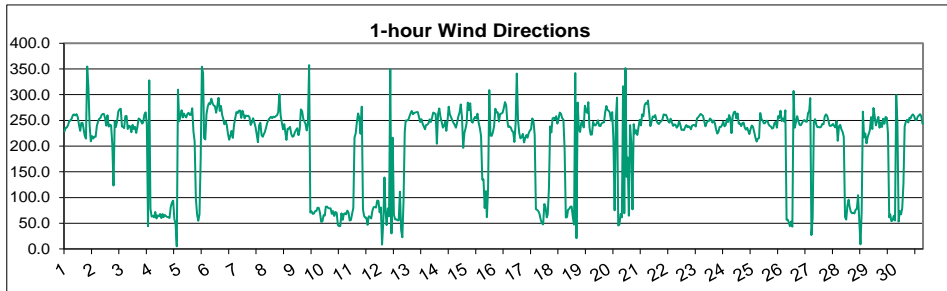
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 13.5 | 10.3 | 10.7 | 10.8 | 13.4 | 11.7 | 12.0 | 15.5 | 14.6 | 11.3 | 15.1 | 8.1 | 8.4 | 11.8 | 11.7 | 15.9 | 14.3 | 8.2 | 6.8 | 1.4 | 3.2 | 8.6 | 7.2 | 10.6 | 10.6 | 15.9 |
| 2 | 6.3 | 7.2 | 8.9 | 9.9 | 13.2 | 13.7 | 13.5 | 15.2 | 15.5 | 15.1 | 11.4 | 12.9 | 11.3 | 11.5 | 12.9 | 9.9 | 9.6 | 3.6 | 2.6 | 6.5 | 24.7 | 14.5 | 14.0 | 13.0 | 11.5 | 24.7 |
| 3 | 12.9 | 12.3 | 10.8 | 9.2 | 9.7 | 7.3 | 8.4 | 5.3 | 9.5 | 6.2 | 4.6 | 5.6 | 5.0 | 13.7 | 18.8 | 20.1 | 21.1 | 20.2 | 15.5 | 8.8 | 8.8 | 7.0 | 2.0 | 1.3 | 10.2 | 21.1 |
| 4 | 1.8 | 10.9 | 9.9 | 8.1 | 7.1 | 9.7 | 8.3 | 8.9 | 10.1 | 12.6 | 15.8 | 16.7 | 18.4 | 20.0 | 18.5 | 17.9 | 13.2 | 10.0 | 8.5 | 5.5 | 2.7 | 1.9 | 0.1 | 3.8 | 10.0 | 20.0 |
| 5 | 7.9 | 10.9 | 15.5 | 14.1 | 14.6 | 13.9 | 17.2 | 19.0 | 17.7 | 16.2 | 15.0 | 8.9 | 7.1 | 5.6 | 5.5 | 10.3 | 11.5 | 8.9 | 3.5 | 0.7 | 1.6 | 10.2 | 6.7 | 11.9 | 10.6 | 19.0 |
| 6 | 13.2 | 13.5 | 18.9 | 17.1 | 19.0 | 25.1 | 22.6 | 20.9 | 19.8 | 16.7 | 14.8 | 13.8 | 16.5 | 17.6 | 14.3 | 13.4 | 14.1 | 9.5 | 7.4 | 8.5 | 11.6 | 10.7 | 11.4 | 13.6 | 15.2 | 25.1 |
| 7 | 13.1 | 14.7 | 14.4 | 16.1 | 13.7 | 13.9 | 12.1 | 13.2 | 17.8 | 15.4 | 13.6 | 12.8 | 9.9 | 11.4 | 11.0 | 9.5 | 8.2 | 7.9 | 6.8 | 9.1 | 9.3 | 10.3 | 10.6 | 8.8 | 11.8 | 17.8 |
| 8 | 9.5 | 8.3 | 12.4 | 12.2 | 14.2 | 13.0 | 11.6 | 16.4 | 15.2 | 15.7 | 13.1 | 11.8 | 8.5 | 6.8 | 11.1 | 12.9 | 12.1 | 8.1 | 5.2 | 4.2 | 6.4 | 7.8 | 8.5 | 10.7 | 10.6 | 16.4 |
| 9 | 9.0 | 9.8 | 11.2 | 10.2 | 11.9 | 14.8 | 15.5 | 12.3 | 19.1 | 20.3 | 20.5 | 8.0 | 18.1 | 25.0 | 26.0 | 20.7 | 20.3 | 17.7 | 15.7 | 14.7 | 10.3 | 10.1 | 14.7 | 10.6 | 15.3 | 26.0 |
| 10 | 10.3 | 8.7 | 10.1 | 10.2 | 10.6 | 8.0 | 8.3 | 8.4 | 7.8 | 7.9 | 8.9 | 8.6 | 6.6 | 5.6 | 6.5 | 8.2 | 6.0 | 2.3 | 5.2 | 5.5 | 5.8 | 7.4 | 9.3 | 7.2 | 7.6 | 10.6 |
| 11 | 4.9 | 5.8 | 6.4 | 3.6 | 6.6 | 3.6 | 6.3 | 8.0 | 6.6 | 2.9 | 4.6 | 5.7 | 8.8 | 5.6 | 4.4 | 10.9 | 11.0 | 8.6 | 5.1 | 4.7 | 3.4 | 6.8 | 5.7 | 4.0 | 6.0 | 11.0 |
| 12 | 6.6 | 3.5 | 0.3 | 0.6 | 2.0 | 1.8 | 7.0 | 4.5 | 5.7 | 2.4 | 0.5 | 2.5 | 0.9 | 4.5 | 4.6 | 5.2 | 5.7 | 3.8 | 0.6 | 0.4 | 1.6 | 4.6 | 4.4 | 8.4 | 3.4 | 8.4 |
| 13 | 10.6 | 8.8 | 7.2 | 10.1 | 10.7 | 14.7 | 13.7 | 18.4 | 18.3 | 17.2 | 11.3 | 16.8 | 20.1 | 20.8 | 21.0 | 21.8 | 18.3 | 11.1 | 12.5 | 9.1 | 7.3 | 10.2 | 10.2 | 11.5 | 13.8 | 21.8 |
| 14 | 6.7 | 8.0 | 8.6 | 7.3 | 8.3 | 8.4 | 7.8 | 8.7 | 5.7 | 8.9 | 13.4 | 14.1 | 15.2 | 16.4 | 17.7 | 19.5 | 17.0 | 13.9 | 8.0 | 9.9 | 7.5 | 6.1 | 4.0 | 4.7 | 10.2 | 19.5 |
| 15 | 7.7 | 8.2 | 8.4 | 11.2 | 9.4 | 9.5 | 8.1 | 10.2 | 9.7 | 9.8 | 11.9 | 13.7 | 12.3 | 6.1 | 3.2 | 2.5 | 6.8 | 5.1 | 1.5 | 1.8 | 2.4 | 8.9 | 8.4 | 8.8 | 7.7 | 13.7 |
| 16 | 11.5 | 10.9 | 10.5 | 11.3 | 13.5 | 14.8 | 15.6 | 12.5 | 11.8 | 11.7 | 12.6 | 16.6 | 17.2 | 14.9 | 15.3 | 14.0 | 11.3 | 5.4 | 1.9 | 1.7 | 8.2 | 9.7 | 11.0 | 9.8 | 11.4 | 17.2 |
| 17 | 11.1 | 7.8 | 7.7 | 9.9 | 11.1 | 11.4 | 11.2 | 11.8 | 13.8 | 9.9 | 7.0 | 9.8 | 12.4 | 11.4 | 12.8 | 11.4 | 10.9 | 8.8 | 7.4 | 7.7 | 8.7 | 6.9 | 3.1 | 8.6 | 9.7 | 13.8 |
| 18 | 7.0 | 11.7 | 13.7 | 11.0 | 12.9 | 10.5 | 13.0 | 11.1 | 10.6 | 13.0 | 8.5 | 6.4 | 15.4 | 15.8 | 11.0 | 11.9 | 10.8 | 7.1 | 5.6 | 2.4 | 0.6 | 0.4 | 4.0 | 8.5 | 9.3 | 15.8 |
| 19 | 7.5 | 8.8 | 9.4 | 9.7 | 12.4 | 10.7 | 10.1 | 10.3 | 5.7 | 7.2 | 8.1 | 14.0 | 15.9 | 13.3 | 15.5 | 11.2 | 15.7 | 14.5 | 13.4 | 14.2 | 16.8 | 15.1 | 7.1 | 6.7 | 11.4 | 16.8 |
| 20 | 8.1 | 6.2 | 6.6 | 7.2 | 2.8 | 2.2 | 9.9 | 4.7 | 7.9 | 7.7 | 16.8 | 8.1 | 3.7 | 3.7 | 4.8 | 4.1 | 2.9 | 6.6 | 4.0 | 7.0 | 1.2 | 4.6 | 7.2 | 8.2 | 6.1 | 16.8 |
| 21 | 7.2 | 4.6 | 7.0 | 9.4 | 9.8 | 11.3 | 12.7 | 11.4 | 11.2 | 11.3 | 17.5 | 27.2 | 28.0 | 25.1 | 26.6 | 26.0 | 23.7 | 22.7 | 25.2 | 27.8 | 29.0 | 26.6 | 18.0 | 18.3 | 18.2 | 29.0 |
| 22 | 20.9 | 23.2 | 32.9 | 26.7 | 22.2 | 21.1 | 26.1 | 25.9 | 27.3 | 30.2 | 28.2 | 27.6 | 30.6 | 30.0 | 26.9 | 25.9 | 26.4 | 18.1 | 19.0 | 23.5 | 23.3 | 19.3 | 18.7 | 21.8 | 24.8 | 32.9 |
| 23 | 21.0 | 20.3 | 16.3 | 17.0 | 17.6 | 12.0 | 12.3 | 13.7 | 17.5 | 20.6 | 24.7 | 28.5 | 23.6 | 25.0 | 28.3 | 29.0 | 32.9 | 26.9 | 24.8 | 25.5 | 22.8 | 15.1 | 19.8 | 21.3 | 21.5 | 32.9 |
| 24 | 26.2 | 27.5 | 34.5 | 31.4 | 17.6 | 15.8 | 5.7 | 7.5 | 11.4 | 13.2 | 10.8 | 12.6 | 18.5 | 23.9 | 23.6 | 24.1 | 21.6 | 19.7 | 13.7 | 9.1 | 8.6 | 9.4 | 11.6 | 12.8 | 17.1 | 34.5 |
| 25 | 15.0 | 15.5 | 14.4 | 12.4 | 8.6 | 6.3 | 8.8 | 14.3 | 25.2 | 32.7 | 36.3 | 35.9 | 41.4 | 43.9 | 40.3 | 40.4 | 38.1 | 31.1 | 29.2 | 38.9 | 31.2 | 27.5 | 25.6 | 24.2 | 26.6 | 43.9 |
| 26 | 22.7 | 31.1 | 21.0 | 23.6 | 11.5 | 15.7 | 13.6 | 12.3 | 12.2 | 9.0 | 10.1 | 19.4 | 16.0 | 19.9 | 24.9 | 30.9 | 35.9 | 31.1 | 32.3 | 31.5 | 33.2 | 31.3 | 21.1 | 21.8 | 35.9 | 35.9 |
| 27 | 14.5 | 6.8 | 3.5 | 5.1 | 18.9 | 18.4 | 19.7 | 25.9 | 27.1 | 30.3 | 30.5 | 28.3 | 27.0 | 19.1 | 20.4 | 20.7 | 20.5 | 19.2 | 22.6 | 24.8 | 23.3 | 21.0 | 15.4 | 10.0 | 19.7 | 30.5 |
| 28 | 6.2 | 3.3 | 8.7 | 10.0 | 8.6 | 7.6 | 9.5 | 7.3 | 8.1 | 8.3 | 10.4 | 12.4 | 13.4 | 13.5 | 13.7 | 12.5 | 12.3 | 9.4 | 4.2 | 2.0 | 2.8 | 1.5 | 6.9 | 6.8 | 8.3 | 13.7 |
| 29 | 6.5 | 4.5 | 11.4 | 12.6 | 13.5 | 11.0 | 11.8 | 19.4 | 22.3 | 18.4 | 13.2 | 18.5 | 23.9 | 26.8 | 24.3 | 26.6 | 24.7 | 25.1 | 16.6 | 15.0 | 17.3 | 15.3 | 11.2 | 9.2 | 16.6 | 26.8 |
| 30 | 3.1 | 2.5 | 3.9 | 4.0 | 5.4 | 3.4 | 2.6 | 5.2 | 17.2 | 22.0 | 21.1 | 22.2 | 21.7 | 25.7 | 20.7 | 21.1 | 20.3 | 20.2 | 19.5 | 22.5 | 26.9 | 22.3 | 23.9 | 27.7 | 16.1 | 27.7 |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 720 | 100% |
| MEAN | 10.8 | 10.9 | 11.8 | 11.7 | 11.7 | 11.4 | 11.8 | 12.6 | 14.1 | 14.2 | 14.3 | 14.6 | 16.0 | 16.3 | 16.4 | 16.7 | 16.4 | 13.6 | 11.4 | 11.5 | 12.0 | 11.8 | 11.1 | 11.5 | | |
| MAX | 26.2 | 31.1 | 34.5 | 31.4 | 22.2 | 25.1 | 26.1 | 25.9 | 27.3 | 32.7 | 36.3 | 35.9 | 41.4 | 43.9 | 40.3 | 40.4 | 38.1 | 35.9 | 31.1 | 38.9 | 31.5 | 33.2 | 31.3 | 27.7 | | |



| | | | |
|-----------------------------|------------|--------------------|------------|
| Number of Non-Zero Readings | 720 | | |
| Maximum 1-HR Average | 43.9 KM/HR | | |
| Maximum 24-HR Average | 26.6 KM/HR | | |
| Monthly Calibration | 0 | Operational Time | 720 HRS |
| Standard Deviation | 7.77 | Operational Uptime | 100.0 % |
| | | Monthly Average | 13.1 KM/HR |

Lagoon Wind Direction (°) – September 2024

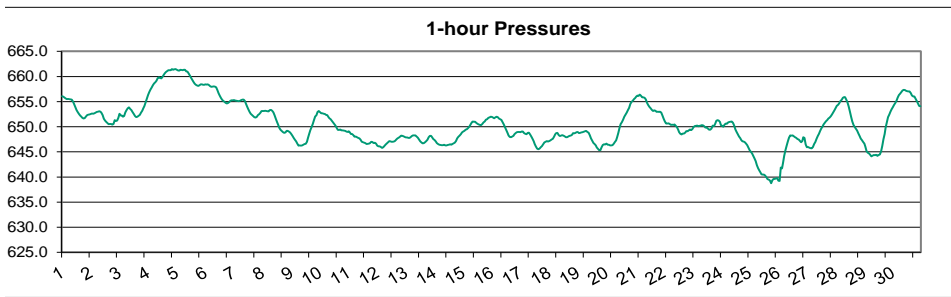
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | 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 | 228.5 | 235.6 | 236.2 | 241.0 | 249.6 | 249.3 | 253.8 | 260.4 | 262.0 | 259.6 | 262.4 | 256.7 | 241.7 | 229.7 | 245.6 | 245.0 | 234.2 | 219.9 | 214.8 | 354.7 | 315.0 | 241.3 | 209.2 | 219.4 | 243.9 | 354.7 | |
| 2 | 214.4 | 218.5 | 218.2 | 239.5 | 247.9 | 253.6 | 254.8 | 260.7 | 262.8 | 262.7 | 254.7 | 239.6 | 259.9 | 237.9 | 242.1 | 240.3 | 203.7 | 123.4 | 248.4 | 236.9 | 249.2 | 267.4 | 271.7 | 272.9 | 248.8 | 272.9 | |
| 3 | 237.9 | 238.0 | 234.9 | 258.3 | 258.5 | 233.2 | 239.7 | 238.4 | 226.8 | 241.3 | 233.2 | 237.6 | 225.6 | 237.6 | 253.8 | 252.1 | 248.1 | 243.9 | 246.5 | 261.2 | 265.6 | 242.3 | 44.2 | 327.9 | 245.4 | 327.9 | |
| 4 | 78.1 | 62.7 | 64.4 | 61.3 | 72.3 | 59.4 | 65.6 | 63.4 | 67.9 | 60.3 | 68.0 | 62.0 | 66.5 | 64.2 | 62.5 | 61.9 | 60.0 | 82.0 | 90.2 | 94.2 | 57.9 | 49.0 | 5.0 | 310.0 | 65.2 | 310.0 | |
| 5 | 248.2 | 258.6 | 269.6 | 255.5 | 263.4 | 259.3 | 255.5 | 262.9 | 264.8 | 260.4 | 261.1 | 273.5 | 228.9 | 209.0 | 98.8 | 67.6 | 54.9 | 67.4 | 176.4 | 354.6 | 341.9 | 216.0 | 212.8 | 262.4 | 256.7 | 354.6 | |
| 6 | 276.2 | 283.4 | 281.4 | 292.2 | 283.2 | 278.9 | 277.8 | 264.9 | 278.7 | 293.9 | 268.3 | 278.1 | 260.6 | 252.3 | 242.4 | 248.6 | 240.9 | 223.9 | 212.4 | 220.5 | 229.6 | 215.9 | 240.8 | 254.2 | 263.9 | 293.9 | |
| 7 | 266.2 | 263.8 | 268.7 | 269.5 | 254.6 | 269.0 | 261.3 | 254.0 | 259.8 | 258.3 | 259.3 | 256.2 | 240.9 | 245.9 | 254.2 | 246.4 | 237.1 | 222.8 | 207.5 | 240.6 | 245.6 | 221.6 | 218.3 | 223.7 | 251.3 | 269.5 | |
| 8 | 228.0 | 236.5 | 246.0 | 250.6 | 254.8 | 256.8 | 254.3 | 257.3 | 256.0 | 258.1 | 259.8 | 266.2 | 300.9 | 259.5 | 246.1 | 232.7 | 242.8 | 228.7 | 211.8 | 234.2 | 233.8 | 237.6 | 223.9 | 218.3 | 247.7 | 300.9 | |
| 9 | 219.4 | 227.0 | 231.3 | 235.1 | 221.4 | 232.2 | 271.6 | 268.1 | 252.6 | 247.6 | 243.3 | 230.4 | 245.5 | 357.4 | 70.6 | 73.4 | 68.3 | 68.8 | 73.7 | 73.9 | 80.5 | 80.0 | 70.4 | 52.6 | 240.1 | 357.4 | |
| 10 | 53.6 | 65.9 | 65.1 | 82.2 | 82.5 | 79.5 | 79.1 | 79.2 | 68.0 | 73.8 | 64.0 | 72.3 | 70.5 | 47.0 | 44.1 | 44.9 | 69.6 | 56.6 | 68.6 | 69.3 | 67.2 | 74.9 | 70.6 | 55.4 | 67.8 | 82.5 | |
| 11 | 56.4 | 68.5 | 79.5 | 216.7 | 225.2 | 247.6 | 263.5 | 254.4 | 223.7 | 276.9 | 76.8 | 63.9 | 61.2 | 61.2 | 46.8 | 63.8 | 62.9 | 59.1 | 74.3 | 81.4 | 81.9 | 80.5 | 94.0 | 93.6 | 72.6 | 276.9 | |
| 12 | 71.0 | 81.0 | 8.4 | 51.4 | 139.1 | 75.2 | 46.7 | 79.3 | 63.5 | 349.5 | 30.3 | 216.4 | 67.4 | 57.6 | 58.0 | 55.7 | 55.8 | 111.4 | 36.9 | 22.7 | 93.9 | 227.7 | 249.9 | 249.7 | 67.0 | 349.5 | |
| 13 | 250.2 | 257.1 | 263.9 | 268.6 | 261.9 | 264.6 | 265.3 | 266.1 | 266.2 | 256.7 | 246.8 | 252.5 | 243.8 | 237.9 | 232.7 | 240.9 | 241.4 | 244.0 | 252.0 | 246.7 | 255.0 | 265.2 | 264.0 | 262.1 | 252.8 | 268.6 | |
| 14 | 204.4 | 263.1 | 273.3 | 256.4 | 246.2 | 235.7 | 240.3 | 247.6 | 229.8 | 248.6 | 276.8 | 261.5 | 256.0 | 249.6 | 244.9 | 240.9 | 235.7 | 246.0 | 258.0 | 265.3 | 281.1 | 256.2 | 196.3 | 225.8 | 249.6 | 281.1 | |
| 15 | 234.8 | 244.4 | 284.8 | 270.4 | 283.6 | 248.3 | 245.5 | 252.4 | 257.1 | 253.6 | 263.0 | 245.6 | 234.7 | 219.3 | 134.6 | 135.8 | 79.7 | 112.8 | 62.0 | 117.3 | 308.8 | 220.4 | 219.8 | 227.1 | 244.5 | 308.8 | |
| 16 | 239.0 | 273.0 | 265.3 | 265.8 | 247.5 | 262.8 | 263.3 | 265.0 | 273.6 | 285.7 | 279.4 | 251.5 | 237.1 | 238.4 | 236.2 | 229.6 | 228.0 | 208.0 | 243.1 | 341.0 | 250.6 | 225.7 | 214.9 | 217.8 | 249.6 | 341.0 | |
| 17 | 223.7 | 206.9 | 215.7 | 221.6 | 216.4 | 224.6 | 230.1 | 232.9 | 254.0 | 248.6 | 222.1 | 77.4 | 76.2 | 73.7 | 68.1 | 57.3 | 50.2 | 47.8 | 87.7 | 80.8 | 61.4 | 67.3 | 118.1 | 238.4 | 163.6 | 254.0 | |
| 18 | 226.4 | 253.8 | 255.0 | 251.9 | 258.1 | 243.6 | 254.0 | 265.4 | 262.8 | 254.5 | 251.7 | 192.7 | 60.9 | 62.1 | 76.6 | 77.6 | 82.4 | 82.7 | 61.5 | 47.3 | 342.3 | 21.1 | 284.9 | 232.4 | 252.5 | 342.3 | |
| 19 | 227.4 | 245.8 | 247.7 | 236.1 | 278.5 | 267.5 | 264.4 | 285.8 | 236.4 | 222.2 | 222.6 | 247.4 | 240.7 | 240.4 | 244.4 | 250.2 | 239.3 | 239.0 | 244.0 | 246.1 | 245.9 | 266.4 | 278.3 | 270.5 | 249.3 | 285.8 | |
| 20 | 269.0 | 265.3 | 249.6 | 266.0 | 213.4 | 75.1 | 250.7 | 294.3 | 45.5 | 47.8 | 68.0 | 61.6 | 316.3 | 69.4 | 351.9 | 140.0 | 177.9 | 64.6 | 241.1 | 207.0 | 76.9 | 243.0 | 224.2 | 230.8 | 268.2 | 351.9 | |
| 21 | 221.8 | 237.0 | 251.4 | 240.3 | 262.0 | 257.9 | 279.4 | 283.9 | 282.2 | 288.7 | 264.9 | 238.7 | 247.3 | 258.0 | 256.2 | 260.4 | 250.2 | 245.2 | 242.8 | 245.8 | 248.4 | 251.5 | 261.7 | 260.8 | 254.3 | 288.7 | |
| 22 | 261.0 | 254.6 | 248.1 | 245.6 | 253.4 | 246.3 | 239.1 | 242.3 | 241.6 | 235.8 | 238.8 | 248.7 | 241.6 | 231.4 | 232.4 | 230.9 | 236.7 | 241.2 | 236.7 | 238.9 | 237.1 | 232.8 | 240.3 | 241.0 | 241.3 | 261.0 | |
| 23 | 241.1 | 238.1 | 253.9 | 255.9 | 259.0 | 262.5 | 260.7 | 258.6 | 248.6 | 238.6 | 245.0 | 249.2 | 248.7 | 254.0 | 251.4 | 245.6 | 249.9 | 244.7 | 233.2 | 224.2 | 228.0 | 237.7 | 237.3 | 241.1 | 245.2 | 262.5 | |
| 24 | 247.5 | 238.5 | 241.2 | 252.4 | 247.0 | 260.4 | 254.2 | 225.0 | 257.7 | 266.2 | 267.1 | 253.9 | 263.4 | 243.9 | 244.3 | 239.0 | 244.4 | 245.7 | 235.8 | 231.9 | 235.8 | 228.9 | 223.4 | 233.2 | 245.5 | 267.1 | |
| 25 | 240.4 | 237.7 | 227.4 | 216.8 | 209.0 | 214.8 | 215.6 | 264.5 | 252.7 | 249.6 | 244.1 | 244.4 | 249.5 | 248.8 | 242.0 | 239.1 | 238.4 | 234.0 | 235.4 | 245.1 | 247.1 | 235.7 | 258.1 | 254.7 | 242.7 | 264.5 | |
| 26 | 268.9 | 248.4 | 254.0 | 247.8 | 269.6 | 56.6 | 56.9 | 50.7 | 44.3 | 53.6 | 43.5 | 307.2 | 235.7 | 247.0 | 258.4 | 248.6 | 241.2 | 240.6 | 245.0 | 249.2 | 250.6 | 247.7 | 247.1 | 263.9 | 254.5 | 307.2 | |
| 27 | 269.0 | 293.4 | 27.2 | 60.3 | 247.3 | 252.7 | 242.1 | 236.7 | 237.3 | 236.4 | 237.5 | 243.3 | 242.6 | 257.5 | 262.0 | 259.0 | 250.4 | 239.6 | 239.0 | 240.8 | 243.3 | 239.4 | 236.4 | 249.2 | 245.6 | 293.4 | |
| 28 | 210.3 | 238.5 | 241.5 | 232.8 | 227.9 | 217.7 | 62.4 | 57.3 | 84.7 | 96.0 | 82.1 | 72.4 | 69.3 | 70.6 | 68.9 | 76.5 | 77.6 | 104.9 | 55.7 | 8.9 | 72.7 | 267.0 | 216.9 | 224.8 | 92.3 | 267.0 | |
| 29 | 205.2 | 217.9 | 224.7 | 231.3 | 256.5 | 232.9 | 274.3 | 257.6 | 240.0 | 249.5 | 257.0 | 235.9 | 246.4 | 237.3 | 253.3 | 243.2 | 256.9 | 255.0 | 224.0 | 61.6 | 67.6 | 54.0 | 55.7 | 64.6 | 246.0 | 274.3 | |
| 30 | 55.3 | 299.1 | 244.3 | 53.0 | 73.9 | 67.4 | 79.9 | 127.4 | 238.6 | 247.8 | 251.0 | 245.7 | 255.3 | 253.5 | 259.3 | 261.6 | 258.5 | 251.0 | 250.4 | 257.6 | 259.5 | 262.1 | 257.9 | 243.4 | 253.4 | 299.1 | |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 720 | 100% |
| MEAN | 209.1 | 225.1 | 215.8 | 217.5 | 228.8 | 212.8 | 216.7 | 221.9 | 214.7 | 227.4 | 208.1 | 212.8 | 207.8 | 198.4 | 192.8 | 183.6 | 180.6 | 175.2 | 183.6 | 193.3 | 205.8 | 199.2 | 198.2 | 224.1 | | | |
| MAX | 276.2 | 299.1 | 284.8 | 292.2 | 283.6 | 278.9 | 279.4 | 294.3 | 282.2 | 349.5 | 279.4 | 307.2 | 316.3 | 357.4 | 351.9 | 261.6 | 258.5 | 255.0 | 258.0 | 354.7 | 342.3 | 267.4 | 284.9 | 327.9 | | | |



| | |
|-----------------------------|---------------|
| Number of Non-Zero Readings | 720 |
| Maximum 1-HR Average | 357 degrees |
| Maximum 24-HR Average | 268 degrees |
| Operational Time | 720 HRS |
| Operational Uptime | 100.0 % |
| Monthly Calibration | 0 |
| Standard Deviation | 79.5 |
| Monthly Average | 206.4 degrees |

Lagoon Pressure (mmHg) – September 2024

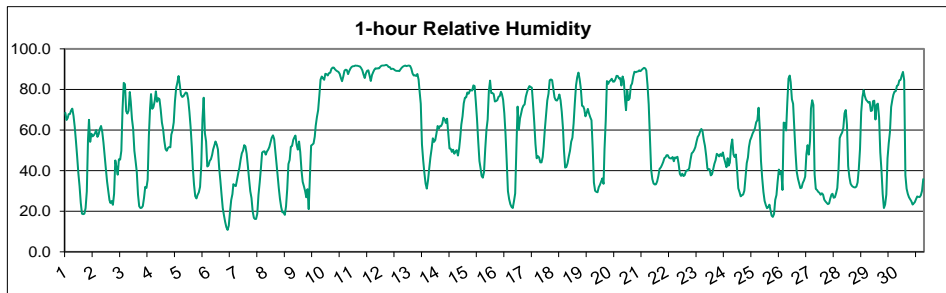
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 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 | 656.1 | 656.0 | 655.8 | 655.6 | 655.5 | 655.6 | 655.5 | 655.4 | 655.4 | 655.0 | 654.5 | 653.9 | 653.3 | 652.9 | 652.5 | 652.2 | 652.0 | 651.8 | 651.6 | 651.8 | 652.1 | 652.3 | 652.4 | 652.5 | 653.8 | 656.1 |
| 2 | 652.6 | 652.6 | 652.6 | 652.7 | 652.8 | 653.0 | 653.0 | 653.1 | 653.0 | 652.8 | 652.3 | 651.6 | 651.2 | 650.9 | 650.7 | 650.5 | 650.6 | 650.5 | 650.4 | 650.5 | 651.3 | 651.2 | 651.2 | 651.8 | 651.8 | 653.1 |
| 3 | 652.6 | 652.2 | 652.2 | 652.0 | 652.1 | 652.8 | 653.3 | 653.7 | 653.8 | 653.6 | 653.3 | 652.9 | 652.5 | 652.1 | 651.9 | 652.0 | 652.2 | 652.4 | 652.8 | 653.2 | 653.6 | 654.2 | 654.8 | 655.6 | 653.0 | 655.6 |
| 4 | 656.3 | 656.9 | 657.4 | 657.8 | 658.3 | 658.6 | 658.8 | 659.2 | 659.7 | 659.8 | 659.7 | 659.6 | 660.0 | 660.2 | 660.6 | 660.9 | 661.1 | 661.3 | 661.3 | 661.3 | 661.5 | 661.4 | 661.5 | 661.5 | 659.8 | 661.5 |
| 5 | 661.4 | 661.2 | 661.2 | 661.3 | 661.3 | 661.3 | 661.4 | 661.4 | 661.0 | 660.6 | 660.2 | 659.8 | 659.4 | 658.9 | 658.6 | 658.3 | 658.2 | 658.1 | 658.2 | 658.4 | 658.4 | 658.3 | 658.4 | 658.4 | 659.8 | 661.4 |
| 6 | 658.4 | 658.4 | 658.4 | 658.3 | 658.1 | 658.0 | 658.0 | 658.0 | 658.0 | 657.8 | 657.3 | 656.7 | 656.2 | 655.7 | 655.3 | 655.1 | 654.9 | 654.8 | 654.6 | 654.7 | 654.9 | 655.2 | 655.3 | 655.3 | 656.6 | 658.4 |
| 7 | 655.3 | 655.2 | 655.2 | 655.1 | 655.1 | 655.2 | 655.3 | 655.4 | 655.4 | 655.1 | 654.6 | 654.1 | 653.5 | 653.0 | 652.6 | 652.4 | 652.2 | 651.9 | 651.8 | 652.0 | 652.3 | 652.5 | 652.8 | 653.1 | 653.8 | 655.4 |
| 8 | 653.1 | 653.1 | 653.2 | 653.1 | 653.1 | 653.1 | 653.3 | 653.4 | 653.2 | 652.8 | 652.3 | 651.6 | 650.9 | 650.4 | 649.7 | 649.4 | 649.2 | 648.9 | 648.8 | 648.9 | 649.2 | 649.2 | 649.1 | 648.9 | 651.2 | 653.4 |
| 9 | 648.6 | 648.2 | 647.8 | 647.4 | 647.1 | 646.7 | 646.2 | 646.3 | 646.2 | 646.3 | 646.4 | 646.6 | 646.6 | 647.0 | 647.7 | 648.6 | 649.3 | 649.9 | 650.6 | 651.3 | 652.0 | 652.3 | 653.0 | 653.1 | 648.6 | 653.1 |
| 10 | 652.9 | 652.7 | 652.7 | 652.6 | 652.5 | 652.4 | 652.3 | 652.0 | 651.7 | 651.5 | 651.2 | 650.9 | 650.5 | 650.2 | 649.8 | 649.4 | 649.4 | 649.5 | 649.3 | 649.3 | 649.2 | 649.2 | 649.1 | 649.0 | 650.8 | 652.9 |
| 11 | 649.1 | 648.9 | 648.6 | 648.6 | 648.3 | 648.0 | 648.0 | 647.9 | 647.8 | 647.7 | 647.4 | 647.0 | 646.9 | 646.8 | 646.7 | 646.5 | 646.6 | 646.7 | 646.8 | 647.0 | 647.0 | 646.8 | 646.8 | 646.7 | 647.4 | 649.1 |
| 12 | 646.3 | 646.1 | 646.1 | 646.0 | 645.8 | 645.9 | 646.2 | 646.5 | 646.7 | 646.9 | 647.1 | 647.1 | 647.0 | 647.0 | 647.0 | 647.2 | 647.5 | 647.7 | 647.8 | 648.0 | 648.2 | 648.2 | 648.1 | 648.0 | 647.0 | 648.2 |
| 13 | 647.9 | 647.9 | 647.8 | 647.8 | 648.0 | 648.2 | 648.3 | 648.3 | 648.3 | 648.1 | 647.8 | 647.5 | 647.1 | 646.9 | 646.7 | 646.9 | 647.1 | 647.4 | 647.9 | 648.2 | 648.2 | 647.9 | 647.6 | 647.6 | 647.7 | 648.3 |
| 14 | 647.4 | 647.1 | 646.7 | 646.5 | 646.4 | 646.4 | 646.3 | 646.3 | 646.4 | 646.3 | 646.3 | 646.4 | 646.4 | 646.5 | 646.4 | 646.5 | 646.7 | 646.8 | 647.2 | 647.7 | 648.0 | 648.2 | 648.5 | 648.9 | 646.9 | 648.9 |
| 15 | 649.1 | 649.2 | 649.4 | 649.5 | 649.7 | 650.0 | 650.4 | 650.8 | 651.1 | 651.0 | 651.0 | 650.8 | 650.6 | 650.5 | 650.4 | 650.3 | 650.5 | 650.9 | 651.0 | 651.4 | 651.5 | 651.8 | 651.9 | 652.0 | 650.6 | 652.0 |
| 16 | 651.9 | 651.8 | 651.7 | 651.9 | 652.0 | 651.9 | 651.7 | 651.5 | 651.4 | 650.9 | 650.5 | 649.9 | 649.4 | 648.8 | 648.2 | 648.0 | 647.9 | 648.1 | 648.2 | 648.5 | 648.7 | 648.9 | 649.0 | 649.0 | 650.0 | 652.0 |
| 17 | 648.9 | 649.0 | 649.0 | 648.7 | 648.6 | 648.5 | 648.8 | 648.8 | 648.5 | 648.1 | 647.6 | 647.1 | 646.5 | 646.1 | 645.6 | 645.5 | 645.7 | 645.9 | 646.2 | 646.5 | 646.9 | 647.0 | 647.1 | 647.1 | 647.4 | 649.0 |
| 18 | 647.1 | 647.3 | 647.5 | 647.6 | 648.0 | 648.5 | 648.7 | 648.8 | 648.4 | 648.2 | 648.2 | 648.3 | 648.3 | 648.1 | 647.9 | 647.9 | 648.0 | 648.2 | 648.2 | 648.4 | 648.7 | 648.7 | 648.8 | 648.9 | 648.2 | 648.9 |
| 19 | 649.0 | 648.7 | 648.8 | 648.9 | 648.9 | 649.0 | 649.1 | 649.2 | 649.0 | 648.8 | 648.3 | 647.7 | 647.2 | 646.8 | 646.5 | 646.3 | 645.9 | 645.6 | 645.3 | 645.3 | 645.9 | 646.4 | 646.5 | 646.5 | 647.5 | 649.2 |
| 20 | 646.7 | 646.4 | 646.4 | 646.3 | 646.3 | 646.3 | 646.6 | 647.0 | 647.3 | 647.9 | 648.8 | 649.7 | 650.5 | 650.9 | 651.4 | 652.0 | 652.4 | 652.8 | 653.3 | 653.8 | 654.5 | 654.9 | 655.2 | 655.5 | 650.1 | 655.5 |
| 21 | 655.7 | 656.0 | 656.2 | 656.1 | 656.4 | 656.2 | 655.8 | 655.9 | 655.8 | 655.5 | 654.8 | 654.3 | 654.0 | 653.7 | 653.3 | 653.1 | 653.3 | 653.2 | 653.0 | 653.0 | 653.0 | 653.0 | 652.8 | 652.2 | 654.4 | 656.4 |
| 22 | 651.6 | 651.1 | 650.6 | 650.6 | 650.7 | 650.5 | 650.4 | 650.4 | 650.4 | 650.4 | 650.2 | 649.9 | 649.4 | 648.9 | 648.6 | 648.5 | 648.6 | 648.7 | 648.8 | 649.1 | 649.1 | 649.3 | 649.5 | 649.3 | 649.8 | 651.6 |
| 23 | 649.6 | 649.9 | 650.1 | 650.2 | 650.2 | 650.1 | 650.2 | 650.3 | 650.3 | 650.1 | 649.8 | 649.9 | 649.7 | 649.4 | 649.4 | 649.4 | 649.6 | 650.2 | 650.1 | 650.6 | 651.2 | 651.3 | 651.2 | 650.9 | 650.2 | 651.3 |
| 24 | 650.3 | 650.2 | 650.0 | 650.4 | 650.7 | 650.6 | 650.9 | 651.0 | 651.0 | 651.1 | 650.8 | 650.2 | 649.5 | 649.0 | 648.5 | 648.0 | 647.7 | 647.4 | 647.1 | 647.0 | 646.9 | 646.6 | 646.3 | 646.3 | 649.0 | 651.1 |
| 25 | 645.4 | 645.0 | 644.7 | 644.2 | 643.7 | 643.1 | 642.3 | 641.7 | 641.3 | 640.9 | 640.5 | 640.5 | 640.5 | 640.3 | 640.0 | 639.6 | 639.5 | 639.3 | 638.8 | 639.4 | 639.6 | 639.6 | 639.7 | 639.8 | 641.2 | 645.4 |
| 26 | 639.2 | 639.2 | 641.9 | 641.7 | 642.8 | 644.2 | 645.3 | 646.2 | 647.1 | 647.8 | 648.3 | 648.2 | 648.3 | 648.1 | 647.9 | 647.8 | 647.6 | 647.5 | 647.2 | 646.9 | 647.2 | 647.9 | 647.8 | 646.4 | 645.9 | 648.3 |
| 27 | 645.9 | 646.0 | 645.8 | 645.8 | 645.7 | 646.0 | 646.6 | 647.0 | 647.6 | 648.1 | 648.6 | 649.2 | 649.7 | 650.1 | 650.4 | 650.8 | 651.1 | 651.3 | 651.6 | 651.8 | 652.1 | 652.5 | 652.9 | 653.3 | 649.2 | 653.3 |
| 28 | 653.7 | 654.2 | 654.4 | 654.7 | 655.1 | 655.4 | 655.8 | 655.9 | 655.9 | 655.4 | 654.9 | 654.0 | 653.0 | 652.0 | 651.0 | 650.4 | 650.0 | 649.6 | 649.2 | 648.7 | 648.2 | 647.6 | 647.3 | 647.0 | 652.2 | 655.9 |
| 29 | 646.6 | 646.1 | 645.2 | 644.8 | 644.7 | 644.4 | 644.1 | 644.3 | 644.4 | 644.4 | 644.4 | 644.2 | 644.4 | 644.5 | 645.1 | 646.1 | 647.5 | 648.6 | 649.8 | 650.9 | 651.9 | 652.4 | 653.0 | 653.5 | 646.9 | 653.5 |
| 30 | 653.9 | 654.4 | 654.7 | 655.2 | 655.8 | 656.3 | 656.6 | 656.9 | 657.2 | 657.4 | 657.3 | 657.2 | 657.1 | 657.0 | 657.0 | 656.7 | 656.2 | 656.1 | 656.0 | 655.6 | 655.1 | 654.7 | 654.1 | 654.1 | 655.9 | 657.4 |
| NO. MEAN MAX | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 720 | 100% |
| | 650.7 | 650.7 | 650.7 | 650.7 | 650.8 | 650.9 | 651.0 | 651.1 | 651.1 | 651.0 | 650.8 | 650.6 | 650.3 | 650.1 | 649.9 | 649.9 | 649.9 | 650.0 | 650.1 | 650.3 | 650.6 | 650.7 | 650.7 | 650.7 | | |
| | 661.4 | 661.2 | 661.2 | 661.3 | 661.3 | 661.3 | 661.4 | 661.4 | 661.0 | 661.0 | 660.6 | 660.2 | 660.0 | 660.2 | 660.6 | 660.9 | 661.1 | 661.3 | 661.3 | 661.3 | 661.5 | 661.4 | 661.5 | 661.5 | | |



| | | | |
|-----------------------------|----------|--------------------|------------|
| Number of Non-Zero Readings | 720 | Operational Time | 720 HRS |
| Maximum 1-HR Average | 661 MMHg | Operational Uptime | 100.0 % |
| Maximum 24-HR Average | 660 MMHg | Monthly Average | 650.6 MMHg |
| Monthly Calibration | 0 | | |
| Standard Deviation | 4.37 | | |

Lagoon Relative Humidity (%) – September 2024

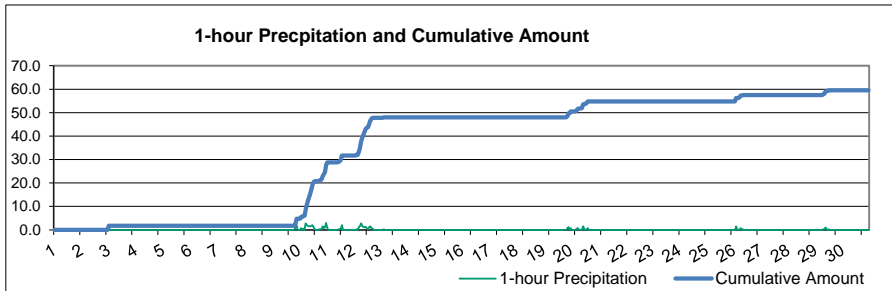
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 1 | 68.6 | 64.9 | 65.9 | 67.9 | 67.8 | 69.7 | 70.6 | 66.9 | 61.6 | 54.6 | 47.0 | 38.8 | 32.4 | 24.2 | 18.8 | 18.6 | 18.7 | 21.5 | 29.8 | 55.4 | 65.1 | 54.1 | 58.2 | 56.9 | 49.9 | 70.6 | |
| 2 | 57.4 | 58.4 | 60.0 | 56.7 | 57.9 | 60.6 | 62.1 | 59.1 | 53.9 | 47.4 | 40.7 | 34.6 | 29.9 | 25.4 | 24.1 | 25.0 | 23.1 | 28.6 | 45.1 | 41.6 | 38.0 | 45.6 | 45.4 | 49.8 | 44.6 | 62.1 | |
| 3 | 70.2 | 83.2 | 82.5 | 69.3 | 68.1 | 69.5 | 78.7 | 74.1 | 65.5 | 60.5 | 49.8 | 44.8 | 39.3 | 28.3 | 22.5 | 21.6 | 21.7 | 22.6 | 26.6 | 32.1 | 31.5 | 35.5 | 57.2 | 70.8 | 51.1 | 83.2 | |
| 4 | 77.8 | 70.4 | 71.4 | 74.1 | 79.1 | 73.9 | 75.7 | 75.2 | 70.1 | 63.7 | 60.5 | 54.7 | 50.7 | 49.7 | 51.1 | 51.7 | 51.4 | 57.7 | 59.8 | 63.8 | 74.2 | 80.7 | 83.3 | 86.6 | 67.0 | 86.6 | |
| 5 | 82.3 | 77.3 | 76.2 | 76.6 | 77.6 | 78.5 | 78.2 | 75.1 | 68.9 | 61.2 | 51.5 | 41.6 | 33.2 | 27.4 | 26.3 | 28.1 | 29.3 | 32.0 | 42.6 | 65.2 | 76.0 | 58.6 | 54.4 | 42.1 | 56.7 | 82.3 | |
| 6 | 42.6 | 44.8 | 45.6 | 47.8 | 50.4 | 52.4 | 54.4 | 52.9 | 50.4 | 41.5 | 35.3 | 28.2 | 21.6 | 18.0 | 14.7 | 12.2 | 10.8 | 12.9 | 19.6 | 25.5 | 28.4 | 33.4 | 32.7 | 32.4 | 33.7 | 54.4 | |
| 7 | 35.4 | 38.7 | 41.5 | 45.4 | 48.6 | 49.9 | 52.6 | 51.9 | 48.3 | 42.4 | 35.8 | 29.9 | 26.5 | 19.9 | 16.8 | 16.2 | 16.2 | 18.8 | 28.1 | 34.1 | 41.1 | 48.8 | 49.4 | 49.5 | 36.9 | 52.6 | |
| 8 | 47.9 | 49.5 | 50.4 | 51.6 | 54.0 | 56.3 | 57.5 | 55.5 | 50.5 | 44.3 | 37.9 | 31.4 | 25.9 | 22.0 | 19.5 | 19.6 | 18.2 | 22.4 | 30.9 | 43.3 | 45.3 | 51.8 | 52.1 | 55.1 | 41.4 | 57.5 | |
| 9 | 56.5 | 57.3 | 52.7 | 50.4 | 54.4 | 49.1 | 40.3 | 34.5 | 32.4 | 30.0 | 26.9 | 30.9 | 21.1 | 37.3 | 52.4 | 52.8 | 53.3 | 56.8 | 62.1 | 66.4 | 69.8 | 76.9 | 84.9 | 86.4 | 51.5 | 86.4 | |
| 10 | 85.5 | 84.7 | 87.7 | 87.6 | 86.9 | 88.1 | 88.2 | 90.1 | 90.8 | 90.8 | 89.9 | 89.3 | 89.0 | 88.6 | 87.8 | 85.8 | 84.1 | 86.2 | 89.2 | 89.8 | 89.5 | 87.5 | 89.1 | 90.3 | 88.2 | 90.8 | |
| 11 | 91.1 | 91.5 | 91.5 | 91.8 | 91.6 | 91.6 | 91.5 | 91.3 | 90.5 | 89.4 | 87.3 | 85.6 | 87.9 | 89.3 | 89.5 | 86.9 | 84.2 | 87.0 | 88.5 | 89.8 | 90.4 | 90.3 | 90.4 | 90.4 | 89.6 | 91.8 | |
| 12 | 91.1 | 91.7 | 91.7 | 91.8 | 91.9 | 92.1 | 91.8 | 91.0 | 91.0 | 90.0 | 90.2 | 90.2 | 89.5 | 89.2 | 89.1 | 89.2 | 89.0 | 89.9 | 90.7 | 91.2 | 91.6 | 91.8 | 91.4 | 91.7 | 90.8 | 92.1 | |
| 13 | 91.7 | 91.6 | 90.2 | 87.9 | 86.9 | 87.0 | 86.7 | 87.6 | 84.8 | 79.4 | 72.9 | 52.9 | 45.2 | 38.9 | 33.6 | 31.1 | 35.1 | 41.0 | 46.5 | 50.8 | 55.9 | 54.1 | 55.1 | 58.3 | 64.4 | 91.7 | |
| 14 | 62.1 | 60.6 | 61.9 | 61.9 | 63.2 | 66.0 | 65.3 | 63.4 | 65.6 | 58.2 | 50.9 | 50.8 | 49.2 | 50.3 | 48.3 | 49.4 | 50.1 | 47.4 | 51.0 | 55.7 | 62.7 | 66.7 | 73.1 | 76.0 | 58.7 | 76.0 | |
| 15 | 76.0 | 78.5 | 77.8 | 79.3 | 79.7 | 79.5 | 82.0 | 81.7 | 73.9 | 65.3 | 54.4 | 44.7 | 40.9 | 37.4 | 36.5 | 39.3 | 50.7 | 60.0 | 65.2 | 79.2 | 84.4 | 78.2 | 78.2 | 77.8 | 66.7 | 84.4 | |
| 16 | 74.1 | 74.2 | 74.7 | 76.4 | 76.7 | 78.9 | 77.8 | 74.9 | 68.3 | 58.1 | 44.5 | 29.8 | 26.0 | 23.5 | 22.1 | 21.6 | 24.9 | 28.8 | 50.7 | 71.6 | 60.2 | 65.7 | 68.3 | 70.5 | 55.9 | 78.9 | |
| 17 | 72.0 | 72.6 | 76.4 | 78.6 | 80.4 | 81.7 | 81.3 | 80.9 | 72.7 | 63.8 | 53.1 | 46.0 | 47.1 | 46.5 | 44.1 | 44.0 | 46.7 | 52.0 | 60.6 | 67.6 | 74.6 | 77.9 | 84.6 | 84.9 | 66.3 | 84.9 | |
| 18 | 84.6 | 80.4 | 76.0 | 74.7 | 74.5 | 75.6 | 77.6 | 74.6 | 68.9 | 60.7 | 50.2 | 41.4 | 41.9 | 43.8 | 47.0 | 49.8 | 54.3 | 56.2 | 63.2 | 73.3 | 82.1 | 86.1 | 88.3 | 85.0 | 67.1 | 88.3 | |
| 19 | 80.3 | 72.0 | 71.6 | 70.3 | 66.7 | 68.4 | 70.5 | 68.1 | 66.3 | 64.8 | 51.2 | 34.1 | 30.2 | 29.6 | 29.4 | 31.8 | 33.0 | 34.6 | 36.1 | 33.5 | 50.6 | 64.6 | 84.2 | 82.7 | 55.2 | 84.2 | |
| 20 | 84.0 | 84.5 | 85.3 | 83.8 | 83.8 | 85.0 | 86.7 | 86.7 | 85.3 | 85.7 | 81.9 | 86.4 | 84.2 | 74.9 | 69.8 | 79.5 | 74.7 | 75.7 | 81.8 | 82.9 | 86.4 | 88.8 | 88.4 | 88.8 | 83.1 | 88.8 | |
| 21 | 88.8 | 89.4 | 88.9 | 89.7 | 90.2 | 90.7 | 90.3 | 89.3 | 82.2 | 72.6 | 56.5 | 40.7 | 35.8 | 33.7 | 33.2 | 33.3 | 34.7 | 37.4 | 40.9 | 41.6 | 42.9 | 44.3 | 46.2 | 46.7 | 60.0 | 90.7 | |
| 22 | 47.6 | 47.6 | 46.5 | 46.0 | 46.0 | 46.8 | 44.6 | 46.5 | 46.3 | 46.9 | 43.3 | 38.5 | 37.5 | 38.6 | 37.3 | 37.7 | 39.7 | 40.2 | 40.1 | 41.4 | 45.3 | 48.6 | 49.1 | 50.1 | 43.8 | 50.1 | |
| 23 | 51.6 | 54.3 | 56.6 | 57.6 | 59.3 | 60.5 | 59.3 | 55.1 | 52.2 | 47.4 | 41.1 | 40.3 | 40.8 | 37.6 | 38.2 | 40.7 | 43.4 | 45.2 | 48.3 | 47.8 | 47.0 | 48.3 | 47.2 | 48.9 | 48.7 | 60.5 | |
| 24 | 46.2 | 44.0 | 41.7 | 46.2 | 42.4 | 43.9 | 52.1 | 55.4 | 48.0 | 46.7 | 48.0 | 40.3 | 31.4 | 29.5 | 27.3 | 27.8 | 28.2 | 30.1 | 36.9 | 43.7 | 46.5 | 51.5 | 55.0 | 56.4 | 42.5 | 56.4 | |
| 25 | 58.2 | 59.5 | 60.9 | 63.8 | 64.9 | 71.0 | 60.6 | 44.7 | 36.3 | 29.5 | 25.1 | 23.1 | 21.5 | 22.1 | 23.3 | 20.7 | 17.8 | 17.2 | 18.6 | 25.6 | 27.9 | 34.7 | 40.5 | 38.2 | 37.7 | 71.0 | |
| 26 | 39.5 | 30.5 | 63.7 | 63.4 | 59.8 | 73.7 | 85.4 | 86.9 | 83.6 | 75.2 | 72.9 | 60.7 | 48.9 | 39.5 | 36.1 | 33.7 | 31.4 | 31.6 | 34.0 | 35.2 | 37.1 | 48.1 | 52.6 | 47.9 | 53.0 | 86.9 | |
| 27 | 54.6 | 70.6 | 74.7 | 72.4 | 38.2 | 31.0 | 30.5 | 29.6 | 29.1 | 28.1 | 28.9 | 28.3 | 25.8 | 24.8 | 24.1 | 23.5 | 23.9 | 26.3 | 28.3 | 28.7 | 26.6 | 26.9 | 28.9 | 31.5 | 34.8 | 74.7 | |
| 28 | 40.5 | 56.1 | 57.6 | 58.8 | 61.2 | 68.3 | 69.9 | 62.6 | 42.2 | 36.9 | 33.6 | 32.6 | 32.1 | 31.9 | 31.6 | 32.2 | 34.2 | 40.7 | 50.5 | 68.9 | 76.1 | 79.7 | 76.7 | 75.0 | 52.1 | 79.7 | |
| 29 | 74.3 | 73.5 | 74.0 | 69.4 | 69.6 | 74.3 | 74.5 | 65.2 | 72.4 | 73.1 | 66.2 | 49.0 | 40.0 | 28.5 | 21.6 | 23.3 | 28.2 | 46.1 | 53.5 | 59.2 | 71.3 | 74.9 | 77.3 | 79.0 | 59.9 | 79.0 | |
| 30 | 79.0 | 81.7 | 82.1 | 84.5 | 84.7 | 86.9 | 88.7 | 84.5 | 37.6 | 31.1 | 28.5 | 26.9 | 25.9 | 24.8 | 23.2 | 23.9 | 24.5 | 26.0 | 27.4 | 27.1 | 27.0 | 27.9 | 30.1 | 35.8 | 46.7 | 88.7 | |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 720 | 100% |
| MEAN | 67.1 | 67.8 | 69.3 | 69.2 | 68.6 | 70.0 | 70.8 | 68.5 | 63.0 | 58.0 | 51.9 | 45.6 | 41.7 | 39.2 | 38.0 | 38.4 | 39.2 | 42.4 | 48.2 | 54.4 | 58.2 | 60.7 | 63.7 | 64.5 | | | |
| MAX | 91.7 | 91.7 | 91.7 | 91.8 | 91.9 | 92.1 | 91.8 | 91.3 | 91.0 | 90.8 | 90.2 | 90.2 | 89.5 | 89.3 | 89.5 | 89.2 | 89.0 | 89.9 | 90.7 | 91.2 | 91.6 | 91.8 | 91.4 | 91.7 | | | |



| | | | |
|-----------------------------|--------|--------------------|---------|
| Number of Non-Zero Readings | 720 | Operational Time | 720 HRS |
| Maximum 1-HR Average | 92.1 % | Operational Uptime | 100.0 % |
| Maximum 24-HR Average | 90.8 % | Monthly Average | 56.6 % |
| Monthly Calibration | 0 | | |
| Standard Deviation | 22.1 | | |

Lagoon Precipitation (mm) – September 2024

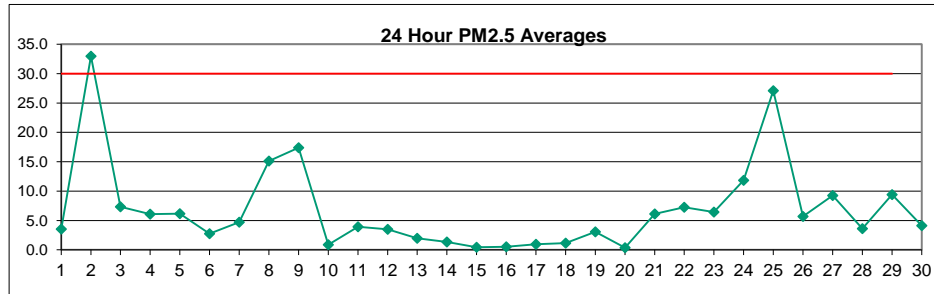
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | 24-HOUR TOTAL | DAILY MAX | | | | | | | | | | |
|-------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 3 | 1.8 | 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 | 1.8 | 1.8 | |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 1.0 | 2.0 | 0.0 | 0.0 | |
| 10 | 0.0 | 0.0 | 0.8 | 0.0 | 0.5 | 0.0 | 2.8 | 2.0 | 1.8 | 1.5 | 1.5 | 1.8 | 2.0 | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 2.8 |
| 11 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 3.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 1.3 | 1.8 | 2.8 | 1.5 | 1.3 | 1.3 | 1.3 | 0.5 | 0.3 | 1.3 | 1.5 | 0.8 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.0 | 2.8 |
| 13 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 |
| 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 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 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 | 0.0 | 0.0 | 0.0 |
| 20 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.8 | 0.3 | 0.0 | 0.0 | 0.3 | 1.5 | 0.3 | 0.0 | 0.3 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 1.5 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 0.3 | 0.8 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 1.5 |
| 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 | 0.0 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 1.0 | 0.3 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 1.0 |
| 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 | 0.0 | 0.0 | 0.0 |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 720 | 100% |
| MEAN | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MAX | 3.0 | 1.0 | 1.5 | 0.3 | 0.5 | 1.3 | 2.8 | 2.8 | 1.8 | 1.5 | 1.5 | 1.8 | 2.0 | 1.3 | 2.0 | 1.5 | 0.8 | 0.5 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 2.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



| | | | |
|-----------------------------|---------|--------------------|---------|
| Number of Non-Zero Readings | 61 | | |
| Maximum 1-HR Total | 20.0 MM | | |
| Maximum 24-HR Total | 3.0 MM | | |
| Monthly Calibration | 0 | Operational Time | 720 HRS |
| Standard Deviation | 0.34 | Operational Uptime | 100.0 % |
| | | Monthly Average | 0.08 MM |

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

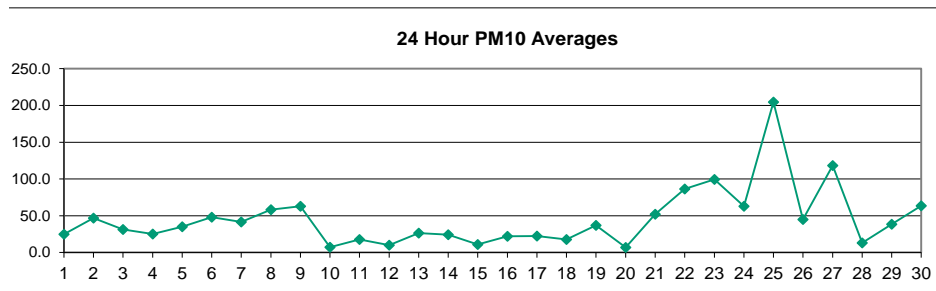
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|------|-------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 8.0 | 5.0 | 6.0 | 4.0 | 1.0 | 1.0 | 0.0 | 0.0 | 4.0 | 3.0 | 3.0 | 1.0 | 2.0 | 1.0 | 6.0 | 7.0 | 5.0 | 2.0 | 1.0 | 2.0 | 3.0 | 5.0 | 9.0 | 6.0 | 3.5 | 9.0 |
| 2 | 5.0 | 4.0 | 5.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 73.0 | 60.0 | 39.0 | 53.0 | 42.0 | 32.0 | 28.0 | 27.0 | 77.0 | 227.0 | 43.0 | 18.0 | 10.0 | 10.0 | 33.0 | 227.0 | |
| 3 | 6.0 | 3.0 | 1.0 | 1.0 | 5.0 | 8.0 | 4.0 | 4.0 | 13.0 | 10.0 | 12.0 | 9.0 | 11.0 | 10.0 | 16.0 | 7.0 | 8.0 | 12.0 | 13.0 | 7.0 | 4.0 | 4.0 | 5.0 | 3.0 | 7.3 | 16.0 |
| 4 | 2.0 | 7.0 | 6.0 | 4.0 | 5.0 | 5.0 | 6.0 | 8.0 | 7.0 | 7.0 | 11.0 | 12.0 | 10.0 | 8.0 | 6.0 | 6.0 | 7.0 | 6.0 | 5.0 | 6.0 | 4.0 | 1.0 | 3.0 | 4.0 | 6.1 | 12.0 |
| 5 | 2.0 | 2.0 | 4.0 | 8.0 | 8.0 | 5.0 | 4.0 | 4.0 | 4.0 | 8.0 | 8.0 | C | 57.0 | 2.0 | 2.0 | 4.0 | 3.0 | 1.0 | 1.0 | 2.0 | 4.0 | 5.0 | 3.0 | 1.0 | 6.2 | 57.0 |
| 6 | 6.0 | 4.0 | 1.0 | 6.0 | 5.0 | 1.0 | 0.0 | 0.0 | 1.0 | 2.0 | 3.0 | 1.0 | 7.0 | 12.0 | 6.0 | 1.0 | 1.0 | 5.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.8 | 12.0 |
| 7 | 1.0 | 0.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.0 | 5.0 | 5.0 | 4.0 | 6.0 | 6.0 | 4.0 | 7.0 | 14.0 | 10.0 | 8.0 | 11.0 | 4.0 | 0.0 | 1.0 | 7.0 | 6.0 | 7.0 | 4.7 | 14.0 |
| 8 | 11.0 | 8.0 | 6.0 | 11.0 | 7.0 | 11.0 | 7.0 | 5.0 | 9.0 | 11.0 | 12.0 | 11.0 | 7.0 | 9.0 | 8.0 | 17.0 | 44.0 | 38.0 | 26.0 | 18.0 | 21.0 | 20.0 | 23.0 | 23.0 | 15.1 | 44.0 |
| 9 | 17.0 | 21.0 | 17.0 | 10.0 | 14.0 | 17.0 | 19.0 | 25.0 | 23.0 | 27.0 | 28.0 | 30.0 | 38.0 | 31.0 | 22.0 | 19.0 | 13.0 | 15.0 | 8.0 | 7.0 | 8.0 | 6.0 | 2.0 | 0.0 | 17.4 | 38.0 |
| 10 | 0.0 | 0.0 | 1.0 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 2.0 | 1.0 | 3.0 | 1.0 | 0.0 | 1.0 | 0.9 | 3.0 |
| 11 | 3.0 | 5.0 | 3.0 | 3.0 | 5.0 | 2.0 | 0.0 | 10.0 | 6.0 | 4.0 | 7.0 | 5.0 | 2.0 | 5.0 | 5.0 | 1.0 | 2.0 | 4.0 | 4.0 | 6.0 | 4.0 | 2.0 | 1.0 | 5.0 | 3.9 | 10.0 |
| 12 | 4.0 | 7.0 | 4.0 | 4.0 | 4.0 | 2.0 | 3.0 | 7.0 | 4.0 | 3.0 | 3.0 | 0.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.5 | 7.0 |
| 13 | 0.0 | 0.0 | 0.0 | 4.0 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.0 | 8.0 | 6.0 | 0.0 | 4.0 | 5.0 | 3.0 | 1.0 | 3.0 | 4.0 | 3.0 | 0.0 | 0.0 | 1.0 | 2.0 | 8.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 3.0 | 2.0 | 0.0 | 0.0 | 1.0 | 2.0 | 6.0 | 6.0 | 3.0 | 4.0 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 6.0 |
| 15 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 4.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.5 | 4.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 3.0 | 3.0 | 2.0 | 0.5 | 3.0 |
| 17 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 2.0 | 1.0 | 0.0 | 3.0 | 0.0 | 0.0 | 2.0 | 2.0 | 1.0 | 1.0 | 3.0 | 4.0 | 1.0 | 4.0 |
| 18 | 8.0 | 6.0 | 3.0 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 1.2 | 8.0 |
| 19 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 14.0 | 8.0 | 4.0 | 1.0 | 5.0 | 6.0 | 4.0 | 1.0 | 8.0 | 19.0 | 0.0 | 0.0 | 0.0 | 3.1 | 19.0 |
| 20 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 3.0 |
| 21 | 0.0 | 0.0 | 1.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 6.0 | 6.0 | 20.0 | 12.0 | 7.0 | 6.0 | 12.0 | 17.0 | 11.0 | 11.0 | 8.0 | 9.0 | 8.0 | 6.1 | 20.0 |
| 22 | 11.0 | 18.0 | 8.0 | 8.0 | 8.0 | 14.0 | 9.0 | 5.0 | 7.0 | 7.0 | 4.0 | 11.0 | 6.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.0 | 5.0 | 4.0 | 7.0 | 18.0 | 10.0 | 11.0 | 7.3 | 18.0 |
| 23 | 7.0 | 6.0 | 3.0 | 1.0 | 1.0 | 4.0 | 4.0 | 5.0 | 9.0 | 8.0 | 6.0 | 4.0 | 15.0 | 13.0 | 25.0 | 18.0 | 7.0 | 7.0 | 4.0 | 0.0 | 0.0 | 0.0 | 4.0 | 3.0 | 6.4 | 25.0 |
| 24 | 2.0 | 24.0 | 6.0 | 3.0 | 2.0 | 1.0 | 0.0 | 0.0 | 2.0 | 6.0 | 5.0 | 53.0 | 35.0 | 30.0 | 22.0 | 20.0 | 22.0 | 17.0 | 8.0 | 6.0 | 5.0 | 6.0 | 4.0 | 5.0 | 11.8 | 53.0 |
| 25 | 6.0 | 6.0 | 5.0 | 2.0 | 1.0 | 0.0 | 0.0 | 11.0 | 36.0 | 47.0 | 19.0 | 83.0 | 51.0 | 81.0 | 91.0 | 45.0 | 19.0 | 15.0 | 75.0 | 23.0 | 11.0 | 6.0 | 10.0 | 7.0 | 27.1 | 91.0 |
| 26 | 2.0 | 9.0 | 13.0 | 12.0 | 8.0 | 3.0 | 0.0 | 0.0 | 2.0 | 5.0 | 14.0 | 7.0 | 2.0 | 10.0 | 7.0 | 6.0 | 9.0 | 6.0 | 2.0 | 0.0 | 8.0 | 8.0 | 4.0 | 0.0 | 5.7 | 14.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 5.0 | 8.0 | 5.0 | 4.0 | 9.0 | 10.0 | 30.0 | 32.0 | 32.0 | 26.0 | 11.0 | 11.0 | 9.0 | 9.0 | 7.0 | 8.0 | 4.0 | 0.0 | 9.3 | 32.0 |
| 28 | 0.0 | 1.0 | 0.0 | 1.0 | 2.0 | 1.0 | 7.0 | 46.0 | 7.0 | 3.0 | 4.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 3.0 | 1.0 | 1.0 | 2.0 | 4.0 | 3.6 | 46.0 |
| 29 | 5.0 | 8.0 | 5.0 | 2.0 | 1.0 | 1.0 | 22.0 | 7.0 | 5.0 | 7.0 | 10.0 | 7.0 | 21.0 | 51.0 | 27.0 | 23.0 | 16.0 | 0.0 | 0.0 | 1.0 | 3.0 | 2.0 | 1.0 | 1.0 | 9.4 | 51.0 |
| 30 | 0.0 | 0.0 | 1.0 | 2.0 | 0.0 | 0.0 | 7.0 | 17.0 | 5.0 | 4.0 | 2.0 | 1.0 | 9.0 | 7.0 | 4.0 | 1.0 | 9.0 | 6.0 | 0.0 | 2.0 | 2.0 | 5.0 | 6.0 | 9.0 | 4.1 | 17.0 |
| NO. | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 719 | 100.0% |
| MEAN | 3.7 | 4.8 | 3.4 | 3.4 | 3.1 | 2.8 | 3.5 | 5.8 | 5.4 | 6.0 | 8.7 | 12.0 | 12.5 | 13.3 | 12.2 | 9.1 | 7.8 | 7.0 | 9.2 | 11.8 | 6.0 | 4.6 | 4.2 | 4.0 | 7.5 | |
| MAX | 17.0 | 24.0 | 17.0 | 12.0 | 14.0 | 17.0 | 22.0 | 46.0 | 36.0 | 47.0 | 73.0 | 83.0 | 57.0 | 81.0 | 91.0 | 45.0 | 44.0 | 38.0 | 77.0 | 227.0 | 43.0 | 20.0 | 23.0 | 23.0 | 17.4 | 70.0 |



| | | |
|-----------------------------|-------------|--------------------|
| Number of 24HR Exceedences | 1 | Proposed Guideline |
| Number of Non-Zero Readings | 536 | |
| Maximum 1-HR Average | 227.0 UG/M3 | |
| Maximum 24-HR Average | 33.0 UG/M3 | |
| Monthly Calibration | 1 | Operational Time |
| Standard Deviation | 13.8 | Operational Uptime |
| | | Monthly Average |
| | | 720 HRS |
| | | 100.0 % |
| | | 6.8 UG/M3 |

Windridge PM₁₀ (µg/m³) – September 2024

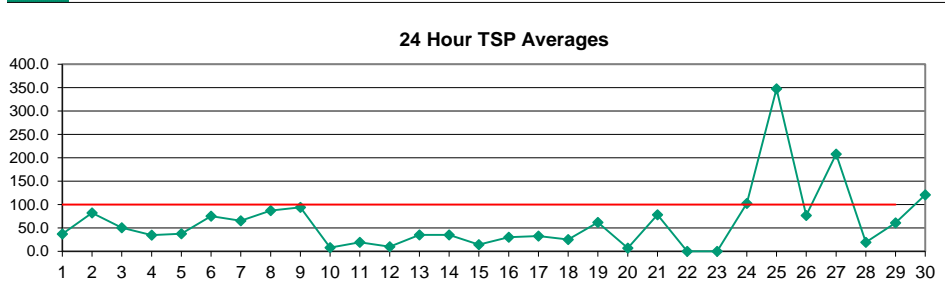
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX |
|------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| 1 | 15.0 | 13.0 | 15.0 | 9.0 | 7.0 | 9.0 | 13.0 | 40.0 | 17.0 | 38.0 | 75.0 | 19.0 | 26.0 | 10.0 | 68.0 | 84.0 | 37.0 | 25.0 | 8.0 | 7.0 | 8.0 | 18.0 | 23.0 | 16.0 | 25.0 | 84.0 |
| 2 | 14.0 | 14.0 | 16.0 | 15.0 | 24.0 | 22.0 | 17.0 | 27.0 | 17.0 | 59.0 | 72.0 | 93.0 | 36.0 | 97.0 | 63.0 | 48.0 | 13.0 | 11.0 | 15.0 | 35.0 | 227.0 | 87.0 | 60.0 | 43.0 | 46.9 | 227.0 |
| 3 | 37.0 | 6.0 | 4.0 | 4.0 | 5.0 | 5.0 | 9.0 | 6.0 | 16.0 | 28.0 | 41.0 | 27.0 | 32.0 | 50.0 | 76.0 | 76.0 | 76.0 | 74.0 | 126.0 | 21.0 | 9.0 | 10.0 | 10.0 | 8.0 | 31.5 | 126.0 |
| 4 | 11.0 | 26.0 | 22.0 | 14.0 | 24.0 | 18.0 | 38.0 | 28.0 | 34.0 | 28.0 | 27.0 | 22.0 | 26.0 | 28.0 | 34.0 | 25.0 | 18.0 | 26.0 | 26.0 | 35.0 | 31.0 | 25.0 | 22.0 | 19.0 | 25.3 | 38.0 |
| 5 | 16.0 | 18.0 | 21.0 | 17.0 | 16.0 | 22.0 | 27.0 | 58.0 | 42.0 | 66.0 | 66.0 | C | 159.0 | 62.0 | 27.0 | 31.0 | 26.0 | 19.0 | 21.0 | 19.0 | 17.0 | 25.0 | 14.0 | 17.0 | 35.0 | 159.0 |
| 6 | 9.0 | 17.0 | 15.0 | 10.0 | 11.0 | 9.0 | 17.0 | 27.0 | 24.0 | 15.0 | 54.0 | 115.0 | 313.0 | 148.0 | 62.0 | 78.0 | 65.0 | 77.0 | 37.0 | 7.0 | 4.0 | 22.0 | 7.0 | 11.0 | 48.1 | 313.0 |
| 7 | 13.0 | 9.0 | 16.0 | 6.0 | 10.0 | 11.0 | 20.0 | 37.0 | 57.0 | 74.0 | 83.0 | 88.0 | 45.0 | 69.0 | 64.0 | 54.0 | 26.0 | 63.0 | 14.0 | 33.0 | 29.0 | 111.0 | 20.0 | 49.0 | 41.7 | 111.0 |
| 8 | 31.0 | 15.0 | 27.0 | 25.0 | 19.0 | 21.0 | 24.0 | 51.0 | 33.0 | 85.0 | 121.0 | 120.0 | 25.0 | 78.0 | 63.0 | 65.0 | 122.0 | 142.0 | 56.0 | 32.0 | 29.0 | 78.0 | 90.0 | 46.0 | 58.3 | 142.0 |
| 9 | 33.0 | 75.0 | 35.0 | 24.0 | 22.0 | 30.0 | 45.0 | 72.0 | 132.0 | 143.0 | 105.0 | 80.0 | 214.0 | 167.0 | 85.0 | 49.0 | 49.0 | 40.0 | 34.0 | 27.0 | 28.0 | 11.0 | 9.0 | 4.0 | 63.0 | 214.0 |
| 10 | 2.0 | 6.0 | 8.0 | 5.0 | 4.0 | 4.0 | 3.0 | 2.0 | 8.0 | 5.0 | 6.0 | 3.0 | 3.0 | 3.0 | 7.0 | 7.0 | 7.0 | 7.0 | 10.0 | 13.0 | 13.0 | 19.0 | 13.0 | 12.0 | 7.1 | 19.0 |
| 11 | 11.0 | 11.0 | 9.0 | 18.0 | 18.0 | 10.0 | 8.0 | 24.0 | 19.0 | 30.0 | 49.0 | 32.0 | 26.0 | 22.0 | 14.0 | 12.0 | 9.0 | 14.0 | 15.0 | 16.0 | 10.0 | 14.0 | 18.0 | 15.0 | 17.7 | 49.0 |
| 12 | 12.0 | 11.0 | 16.0 | 14.0 | 17.0 | 12.0 | 11.0 | 15.0 | 8.0 | 15.0 | 8.0 | 7.0 | 9.0 | 9.0 | 3.0 | 3.0 | 2.0 | 2.0 | 5.0 | 11.0 | 8.0 | 5.0 | 22.0 | 14.0 | 10.0 | 22.0 |
| 13 | 11.0 | 7.0 | 9.0 | 9.0 | 15.0 | 16.0 | 10.0 | 18.0 | 24.0 | 16.0 | 37.0 | 85.0 | 45.0 | 42.0 | 63.0 | 42.0 | 60.0 | 53.0 | 31.0 | 14.0 | 9.0 | 4.0 | 8.0 | 6.0 | 26.4 | 85.0 |
| 14 | 5.0 | 8.0 | 6.0 | 6.0 | 6.0 | 5.0 | 6.0 | 8.0 | 15.0 | 15.0 | 21.0 | 16.0 | 71.0 | 122.0 | 72.0 | 20.0 | 70.0 | 27.0 | 61.0 | 3.0 | 2.0 | 5.0 | 7.0 | 4.0 | 24.2 | 122.0 |
| 15 | 5.0 | 13.0 | 8.0 | 3.0 | 12.0 | 7.0 | 7.0 | 6.0 | 8.0 | 31.0 | 40.0 | 29.0 | 1.0 | 5.0 | 5.0 | 7.0 | 9.0 | 15.0 | 9.0 | 6.0 | 10.0 | 8.0 | 10.0 | 9.0 | 11.0 | 40.0 |
| 16 | 6.0 | 3.0 | 6.0 | 6.0 | 4.0 | 6.0 | 17.0 | 10.0 | 10.0 | 19.0 | 61.0 | 35.0 | 24.0 | 46.0 | 35.0 | 46.0 | 11.0 | 8.0 | 7.0 | 14.0 | 52.0 | 62.0 | 21.0 | 18.0 | 22.0 | 62.0 |
| 17 | 6.0 | 8.0 | 7.0 | 9.0 | 27.0 | 11.0 | 44.0 | 38.0 | 41.0 | 61.0 | 38.0 | 17.0 | 22.0 | 18.0 | 17.0 | 16.0 | 17.0 | 18.0 | 30.0 | 31.0 | 16.0 | 13.0 | 12.0 | 20.0 | 22.4 | 61.0 |
| 18 | 20.0 | 16.0 | 14.0 | 23.0 | 13.0 | 32.0 | 16.0 | 24.0 | 43.0 | 36.0 | 29.0 | 22.0 | 10.0 | 20.0 | 22.0 | 16.0 | 8.0 | 11.0 | 10.0 | 7.0 | 4.0 | 8.0 | 14.0 | 9.0 | 17.8 | 43.0 |
| 19 | 6.0 | 6.0 | 15.0 | 10.0 | 5.0 | 7.0 | 11.0 | 13.0 | 24.0 | 36.0 | 68.0 | 129.0 | 61.0 | 83.0 | 40.0 | 63.0 | 77.0 | 51.0 | 45.0 | 79.0 | 39.0 | 6.0 | 7.0 | 5.0 | 36.9 | 129.0 |
| 20 | 1.0 | 0.0 | 1.0 | 9.0 | 6.0 | 21.0 | 16.0 | 3.0 | 7.0 | 3.0 | 0.0 | 15.0 | 15.0 | 18.0 | 12.0 | 7.0 | 5.0 | 3.0 | 3.0 | 6.0 | 4.0 | 0.0 | 4.0 | 4.0 | 6.8 | 21.0 |
| 21 | 1.0 | 3.0 | 31.0 | 24.0 | 35.0 | 1.0 | 0.0 | 8.0 | 7.0 | 38.0 | 158.0 | 101.0 | 75.0 | 36.0 | 38.0 | 24.0 | 80.0 | 101.0 | 115.0 | 75.0 | 82.0 | 64.0 | 51.0 | 101.0 | 52.0 | 158.0 |
| 22 | 144.0 | 201.0 | 89.0 | 45.0 | 79.0 | 75.0 | 71.0 | 76.0 | 109.0 | 84.0 | 48.0 | 146.0 | 51.0 | 55.0 | 22.0 | 49.0 | 79.0 | 88.0 | 105.0 | 63.0 | 105.0 | 121.0 | 96.0 | 74.0 | 86.5 | 201.0 |
| 23 | 57.0 | 129.0 | 57.0 | 36.0 | 15.0 | 26.0 | 82.0 | 97.0 | 100.0 | 137.0 | 149.0 | 202.0 | 249.0 | 205.0 | NRM | 285.0 | 86.0 | 71.0 | 38.0 | 15.0 | 31.0 | 46.0 | 63.0 | 111.0 | 99.4 | 285.0 |
| 24 | 68.0 | 158.0 | 101.0 | 20.0 | 42.0 | 11.0 | 27.0 | 39.0 | 89.0 | 80.0 | 97.0 | 58.0 | 89.0 | 67.0 | 92.0 | 93.0 | 147.0 | 129.0 | 60.0 | 7.0 | 6.0 | 7.0 | 7.0 | 13.0 | 62.8 | 158.0 |
| 25 | 27.0 | 10.0 | 10.0 | 8.0 | 17.0 | 22.0 | 68.0 | 165.0 | 464.0 | 376.0 | 132.0 | 485.0 | 414.0 | 485.0 | 485.0 | 435.0 | 124.0 | 154.0 | 485.0 | 104.0 | 143.0 | 99.0 | 123.0 | 79.0 | 204.8 | 485.0 |
| 26 | 96.0 | 44.0 | 31.0 | 12.0 | 8.0 | 3.0 | 6.0 | 4.0 | 1.0 | 4.0 | 21.0 | 39.0 | 29.0 | 57.0 | 67.0 | 112.0 | 110.0 | 80.0 | 67.0 | 50.0 | 91.0 | 61.0 | 76.0 | 11.0 | 45.0 | 112.0 |
| 27 | 9.0 | 12.0 | 11.0 | 61.0 | 67.0 | 62.0 | 85.0 | 112.0 | 78.0 | 90.0 | 139.0 | 145.0 | 300.0 | 306.0 | 373.0 | 221.0 | 141.0 | 88.0 | 124.0 | 92.0 | 179.0 | 96.0 | 41.0 | 5.0 | 118.2 | 373.0 |
| 28 | 5.0 | 12.0 | 21.0 | 8.0 | 8.0 | 24.0 | 25.0 | 14.0 | 7.0 | 3.0 | 10.0 | 8.0 | 8.0 | 7.0 | 10.0 | 10.0 | 11.0 | 17.0 | 13.0 | 17.0 | 8.0 | 19.0 | 14.0 | 32.0 | 13.0 | 32.0 |
| 29 | 11.0 | 80.0 | 10.0 | 13.0 | 9.0 | 7.0 | 59.0 | 48.0 | 10.0 | 8.0 | 37.0 | 36.0 | 64.0 | 232.0 | 75.0 | 88.0 | 79.0 | 36.0 | 8.0 | 4.0 | 2.0 | 1.0 | 2.0 | 2.0 | 38.4 | 232.0 |
| 30 | 16.0 | 24.0 | 10.0 | 5.0 | 6.0 | 33.0 | 57.0 | 60.0 | 112.0 | 69.0 | 65.0 | 122.0 | 152.0 | 78.0 | 71.0 | 47.0 | 58.0 | 51.0 | 69.0 | 101.0 | 53.0 | 90.0 | 76.0 | 97.0 | 63.4 | 152.0 |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 718 | 99.9% |
| MEAN | 23.3 | 31.8 | 21.4 | 15.6 | 18.4 | 18.1 | 28.0 | 37.7 | 51.9 | 56.4 | 61.9 | 79.2 | 86.5 | 87.5 | 71.2 | 70.4 | 54.1 | 50.0 | 54.9 | 31.5 | 41.6 | 37.8 | 31.3 | 28.5 | 42.0 | |
| MAX | 144.0 | 201.0 | 101.0 | 61.0 | 79.0 | 75.0 | 85.0 | 165.0 | 464.0 | 376.0 | 158.0 | 485.0 | 414.0 | 485.0 | 485.0 | 435.0 | 147.0 | 154.0 | 485.0 | 104.0 | 227.0 | 121.0 | 123.0 | 111.0 | 91.1 | 433.3 |



| | |
|-----------------------------|-------------|
| Number of Non-Zero Readings | 714 |
| Maximum 1-HR Average | 485.0 UG/M3 |
| Maximum 24-HR Average | 204.8 UG/M3 |
| Monthly Calibration | 1 |
| Standard Deviation | 64.15 |
| Operational Time | 719 HRS |
| Operational Uptime | 99.9 % |
| Monthly Average | 45.3 UG/M3 |

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

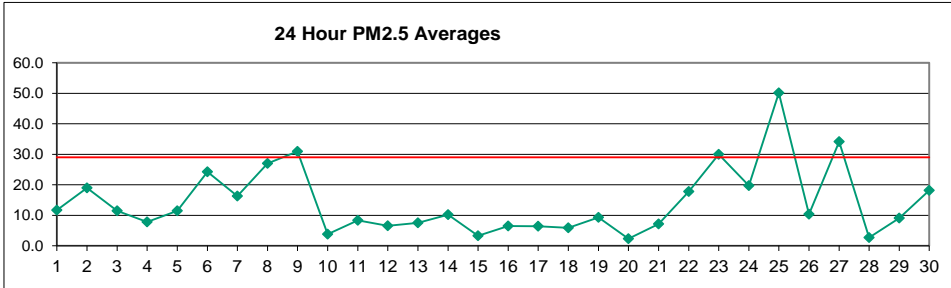
| Day | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 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 | 22.0 | 31.0 | 19.0 | 4.0 | 3.0 | 6.0 | 12.0 | 73.0 | 24.0 | 53.0 | 116.0 | 27.0 | 25.0 | 10.0 | 135.0 | 159.0 | 57.0 | 34.0 | 6.0 | 7.0 | 8.0 | 26.0 | 27.0 | 15.0 | 37.5 | 159.0 | |
| 2 | 11.0 | 18.0 | 17.0 | 19.0 | 32.0 | 23.0 | 25.0 | 31.0 | 37.0 | 95.0 | 130.0 | 142.0 | 48.0 | 187.0 | 106.0 | 97.0 | 32.0 | 18.0 | 20.0 | 60.0 | 519.0 | 121.0 | 114.0 | 80.0 | 82.6 | 519.0 | |
| 3 | 60.0 | 7.0 | 5.0 | 6.0 | 6.0 | 6.0 | 4.0 | 6.0 | 17.0 | 42.0 | 67.0 | 40.0 | 51.0 | 90.0 | 145.0 | 125.0 | 130.0 | 147.0 | 192.0 | 26.0 | 10.0 | 12.0 | 14.0 | 9.0 | 50.7 | 192.0 | |
| 4 | 18.0 | 34.0 | 23.0 | 17.0 | 34.0 | 30.0 | 63.0 | 41.0 | 43.0 | 38.0 | 42.0 | 30.0 | 38.0 | 47.0 | 37.0 | 27.0 | 25.0 | 39.0 | 43.0 | 60.0 | 40.0 | 29.0 | 18.0 | 18.0 | 34.8 | 63.0 | |
| 5 | 24.0 | 25.0 | 20.0 | 22.0 | 16.0 | 23.0 | 31.0 | 77.0 | 55.0 | 88.0 | 88.0 | C | 56.0 | 58.0 | 36.0 | 52.0 | 37.0 | 24.0 | 20.0 | 23.0 | 22.0 | 33.0 | 17.0 | 21.0 | 37.7 | 88.0 | |
| 6 | 12.0 | 16.0 | 7.0 | 7.0 | 6.0 | 14.0 | 13.0 | 40.0 | 24.0 | 24.0 | 105.0 | 203.0 | 511.0 | 204.0 | 98.0 | 132.0 | 108.0 | 126.0 | 69.0 | 5.0 | 5.0 | 44.0 | 14.0 | 25.0 | 75.5 | 511.0 | |
| 7 | 22.0 | 17.0 | 19.0 | 19.0 | 9.0 | 18.0 | 19.0 | 32.0 | 68.0 | 121.0 | 154.0 | 147.0 | 68.0 | 106.0 | 106.0 | 90.0 | 42.0 | 117.0 | 19.0 | 17.0 | 36.0 | 203.0 | 33.0 | 90.0 | 65.5 | 203.0 | |
| 8 | 34.0 | 22.0 | 51.0 | 34.0 | 27.0 | 33.0 | 28.0 | 74.0 | 48.0 | 147.0 | 192.0 | 186.0 | 17.0 | 145.0 | 89.0 | 82.0 | 184.0 | 248.0 | 77.0 | 38.0 | 34.0 | 118.0 | 132.0 | 61.0 | 87.5 | 248.0 | |
| 9 | 36.0 | 99.0 | 47.0 | 32.0 | 22.0 | 44.0 | 59.0 | 113.0 | 203.0 | 248.0 | 166.0 | 126.0 | 386.0 | 272.0 | 110.0 | 59.0 | 60.0 | 50.0 | 32.0 | 35.0 | 24.0 | 20.0 | 12.0 | 4.0 | 94.1 | 386.0 | |
| 10 | 2.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 9.0 | 7.0 | 8.0 | 5.0 | 6.0 | 4.0 | 6.0 | 5.0 | 16.0 | 17.0 | 18.0 | 14.0 | 16.0 | 12.0 | 10.0 | 15.0 | 8.1 | 18.0 | |
| 11 | 14.0 | 9.0 | 9.0 | 15.0 | 28.0 | 4.0 | 6.0 | 25.0 | 25.0 | 46.0 | 63.0 | 36.0 | 26.0 | 30.0 | 18.0 | 8.0 | 12.0 | 13.0 | 13.0 | 10.0 | 10.0 | 17.0 | 21.0 | 14.0 | 19.7 | 63.0 | |
| 12 | 13.0 | 15.0 | 13.0 | 12.0 | 11.0 | 13.0 | 15.0 | 7.0 | 6.0 | 13.0 | 8.0 | 11.0 | 14.0 | 7.0 | 3.0 | 1.0 | 4.0 | 5.0 | 8.0 | 14.0 | 9.0 | 3.0 | 21.0 | 19.0 | 10.2 | 21.0 | |
| 13 | 8.0 | 4.0 | 6.0 | 9.0 | 14.0 | 14.0 | 10.0 | 15.0 | 23.0 | 27.0 | 41.0 | 115.0 | 68.0 | 64.0 | 93.0 | 65.0 | 100.0 | 94.0 | 42.0 | 13.0 | 16.0 | 0.0 | 5.0 | 8.0 | 35.6 | 115.0 | |
| 14 | 12.0 | 11.0 | 11.0 | 9.0 | 7.0 | 6.0 | 4.0 | 17.0 | 23.0 | 20.0 | 22.0 | 21.0 | 112.0 | 167.0 | 104.0 | 32.0 | 106.0 | 36.0 | 101.0 | 10.0 | 4.0 | 2.0 | 4.0 | 5.0 | 35.3 | 167.0 | |
| 15 | 6.0 | 14.0 | 6.0 | 5.0 | 9.0 | 5.0 | 2.0 | 8.0 | 14.0 | 52.0 | 45.0 | 42.0 | 6.0 | 8.0 | 12.0 | 16.0 | 10.0 | 27.0 | 11.0 | 6.0 | 12.0 | 8.0 | 12.0 | 9.0 | 14.4 | 52.0 | |
| 16 | 4.0 | 5.0 | 3.0 | 2.0 | 8.0 | 6.0 | 24.0 | 18.0 | 18.0 | 39.0 | 95.0 | 55.0 | 39.0 | 63.0 | 56.0 | 76.0 | 13.0 | 6.0 | 4.0 | 9.0 | 69.0 | 70.0 | 24.0 | 24.0 | 30.4 | 95.0 | |
| 17 | 13.0 | 9.0 | 7.0 | 10.0 | 35.0 | 13.0 | 57.0 | 52.0 | 73.0 | 111.0 | 67.0 | 29.0 | 34.0 | 33.0 | 20.0 | 18.0 | 25.0 | 19.0 | 42.0 | 41.0 | 27.0 | 24.0 | 17.0 | 17.0 | 33.0 | 111.0 | |
| 18 | 27.0 | 18.0 | 16.0 | 26.0 | 16.0 | 41.0 | 17.0 | 29.0 | 77.0 | 54.0 | 49.0 | 41.0 | 20.0 | 29.0 | 40.0 | 19.0 | 21.0 | 15.0 | 10.0 | 6.0 | 10.0 | 8.0 | 18.0 | 7.0 | 25.6 | 77.0 | |
| 19 | 8.0 | 12.0 | 21.0 | 4.0 | 4.0 | 5.0 | 7.0 | 21.0 | 32.0 | 58.0 | 111.0 | 213.0 | 118.0 | 160.0 | 75.0 | 107.0 | 149.0 | 96.0 | 92.0 | 128.0 | 62.0 | 4.0 | 2.0 | 6.0 | 62.3 | 213.0 | |
| 20 | 6.0 | 2.0 | 0.0 | 6.0 | 5.0 | 17.0 | 18.0 | 4.0 | 4.0 | 5.0 | 4.0 | 22.0 | 12.0 | 28.0 | 3.0 | 1.0 | 6.0 | 7.0 | 5.0 | 1.0 | 0.0 | 3.0 | 5.0 | 4.0 | 7.0 | 28.0 | |
| 21 | 1.0 | 2.0 | 38.0 | 21.0 | 29.0 | 0.0 | 1.0 | 3.0 | 4.0 | 55.0 | 221.0 | 150.0 | 115.0 | 45.0 | 49.0 | 40.0 | 124.0 | 165.0 | 197.0 | 119.0 | 131.0 | 113.0 | 106.0 | 156.0 | 78.5 | 221.0 | |
| 22 | 241.0 | 372.0 | 135.0 | 71.0 | 130.0 | 111.0 | 116.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 686 | 95.4% |
| 23 | X | X | X | X | X | X | X | X | X | X | NRM | NRM | NRM | NRM | NRM | NRM | NRM | 146.0 | 123.0 | 60.0 | 34.0 | 41.0 | 80.0 | 96.0 | 181.0 | | |
| 24 | 107.0 | 284.0 | 155.0 | 30.0 | 70.0 | 18.0 | 46.0 | 58.0 | 132.0 | 121.0 | 150.0 | 97.0 | 159.0 | 115.0 | 158.0 | 151.0 | 255.0 | 211.0 | 94.0 | 7.0 | 6.0 | 6.0 | 13.0 | 18.0 | 102.5 | 133.0 | |
| 25 | 44.0 | 15.0 | 14.0 | 10.0 | 29.0 | 31.0 | 119.0 | 269.0 | 784.0 | 582.0 | 253.0 | 933.0 | 665.0 | 935.0 | 812.0 | 681.0 | 221.0 | 253.0 | 837.0 | 157.0 | 219.0 | 149.0 | 202.0 | 133.0 | 347.8 | 935.0 | |
| 26 | 165.0 | 60.0 | 54.0 | 9.0 | 6.0 | 2.0 | 4.0 | 3.0 | 0.0 | 6.0 | 27.0 | 60.0 | 50.0 | 97.0 | 125.0 | 199.0 | 195.0 | 150.0 | 113.0 | 78.0 | 148.0 | 116.0 | 156.0 | 26.0 | 77.0 | 199.0 | |
| 27 | 11.0 | 14.0 | 10.0 | 145.0 | 131.0 | 118.0 | 169.0 | 192.0 | 123.0 | 165.0 | 260.0 | 272.0 | 483.0 | 476.0 | 622.0 | 316.0 | 261.0 | 142.0 | 245.0 | 196.0 | 378.0 | 182.0 | 86.0 | 0.0 | 208.2 | 622.0 | |
| 28 | 3.0 | 9.0 | 36.0 | 2.0 | 6.0 | 35.0 | 45.0 | 14.0 | 9.0 | 9.0 | 13.0 | 16.0 | 8.0 | 12.0 | 19.0 | 22.0 | 23.0 | 19.0 | 33.0 | 20.0 | 22.0 | 23.0 | 52.0 | 19.3 | 52.0 | | |
| 29 | 22.0 | 128.0 | 17.0 | 13.0 | 7.0 | 7.0 | 91.0 | 50.0 | 11.0 | 9.0 | 60.0 | 69.0 | 117.0 | 354.0 | 155.0 | 152.0 | 111.0 | 56.0 | 15.0 | 6.0 | 4.0 | 4.0 | 1.0 | 3.0 | 60.9 | 354.0 | |
| 30 | 26.0 | 35.0 | 11.0 | 7.0 | 16.0 | 56.0 | 105.0 | 117.0 | 214.0 | 140.0 | 130.0 | 231.0 | 297.0 | 159.0 | 145.0 | 89.0 | 98.0 | 109.0 | 145.0 | 185.0 | 103.0 | 169.0 | 134.0 | 180.0 | 120.9 | 297.0 | |
| NO. | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 27 | 28 | 28 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 686 | 95.4% |
| MEAN | 33.5 | 44.6 | 26.7 | 19.7 | 24.8 | 24.2 | 38.4 | 49.7 | 75.0 | 84.8 | 96.0 | 122.9 | 126.8 | 139.5 | 120.4 | 100.6 | 88.6 | 81.7 | 87.9 | 46.1 | 68.4 | 55.1 | 46.1 | 41.4 | | | |
| MAX | 241.0 | 372.0 | 155.0 | 145.0 | 131.0 | 118.0 | 169.0 | 269.0 | 784.0 | 582.0 | 260.0 | 933.0 | 665.0 | 935.0 | 812.0 | 681.0 | 261.0 | 253.0 | 837.0 | 196.0 | 519.0 | 203.0 | 202.0 | 181.0 | | | |



| | | |
|-----------------------------|-------------|--------------------|
| Number of 24HR Exceedences | 4 | Proposed Guideline |
| Number of Non-Zero Readings | 680 | |
| Maximum 1-HR Average | 935.0 UG/M3 | |
| Maximum 24-HR Average | 347.8 UG/M3 | |
| IZS Calibration Time | | Operational Time |
| Down Time | 0 | Operational Uptime |
| Standard Deviation | 109.9 | Monthly Average |
| | | 687 HRS |
| | | 95.4 % |
| | | 67.9 UG/M3 |

Berm PM_{2.5} (µg/m³) – September 2024

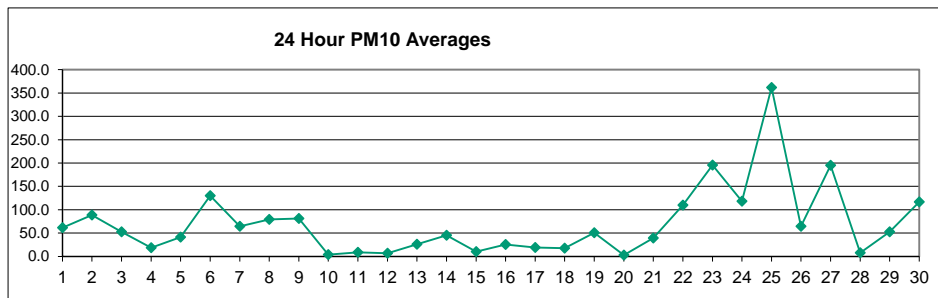
| DAY | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|-------|-------|------|------|------|-------|------|------|------|------|------|-------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 1 | 5.3 | 5.6 | 5.5 | 3.9 | 3.6 | 4.7 | 4.4 | 8.0 | 6.7 | 13.7 | 19.0 | 6.6 | 7.0 | 16.1 | 45.9 | 39.6 | 29.3 | 17.5 | 3.7 | 5.2 | 5.8 | 8.8 | 8.0 | 7.9 | 11.7 | 45.9 | |
| 2 | 9.3 | 9.9 | 9.4 | 10.4 | 11.8 | 13.3 | 11.7 | 14.6 | 11.7 | 22.6 | 35.2 | 32.8 | 18.6 | 28.7 | 28.2 | 24.1 | 20.4 | 4.9 | 8.2 | 10.6 | 59.1 | 25.2 | 19.4 | 15.4 | 19.0 | 59.1 | |
| 3 | 12.0 | 4.4 | 3.5 | 4.8 | 5.4 | 5.2 | 4.0 | 5.8 | 7.3 | 11.4 | 16.3 | 10.8 | 10.7 | 19.0 | 38.6 | 28.3 | 16.6 | 23.1 | 24.8 | 5.0 | 4.7 | 4.9 | 4.5 | 4.8 | 11.5 | 38.6 | |
| 4 | 6.1 | 8.3 | 7.9 | 6.5 | 6.7 | 7.7 | 7.4 | 8.9 | 10.1 | 11.2 | 11.5 | 9.0 | 8.4 | 7.4 | 6.8 | 6.4 | 6.3 | 7.3 | 7.7 | 7.9 | 8.5 | 7.3 | 6.6 | 6.3 | 7.8 | 11.5 | |
| 5 | 8.1 | 8.8 | 7.9 | 8.5 | 8.2 | 10.6 | 11.3 | 17.0 | 13.6 | 24.4 | 40.2 | 15.1 | 15.2 | 16.3 | 11.2 | 7.9 | 6.2 | 5.8 | 6.3 | 6.2 | 6.1 | 7.2 | 6.5 | 6.4 | 11.5 | 40.2 | |
| 6 | 5.6 | 6.0 | 6.2 | 5.6 | 5.7 | 6.0 | 6.5 | 8.1 | 7.2 | 6.7 | 13.6 | 49.6 | 134.3 | 40.3 | 58.6 | 73.7 | 32.1 | 46.6 | 41.3 | 2.4 | 2.7 | 13.4 | 5.5 | 5.5 | 24.3 | 134.3 | |
| 7 | 5.4 | 5.1 | 6.5 | 5.5 | 5.5 | 6.4 | 6.2 | 8.6 | 13.2 | 23.1 | 36.6 | 25.4 | 13.9 | 25.1 | 25.9 | 24.3 | 17.6 | 52.4 | 8.3 | 8.4 | 10.2 | 24.8 | 19.2 | 13.8 | 16.3 | 52.4 | |
| 8 | 13.1 | 13.9 | 14.7 | 16.4 | 15.0 | 15.1 | 16.1 | 18.4 | 17.1 | 22.0 | 41.0 | 48.2 | 9.0 | 31.1 | 21.5 | 30.5 | 57.6 | 40.5 | 34.0 | 26.7 | 28.5 | 45.1 | 44.2 | 28.4 | 27.0 | 57.6 | |
| 9 | 31.6 | 33.5 | 30.4 | 26.7 | 28.3 | 31.0 | 33.5 | 44.4 | 59.1 | 61.3 | 40.3 | 37.6 | 74.7 | 52.9 | 38.3 | 30.8 | 22.3 | 13.7 | 15.1 | 12.6 | 10.5 | 8.4 | 3.9 | 1.7 | 31.0 | 74.7 | |
| 10 | 1.6 | 1.6 | 1.8 | 1.9 | 1.7 | 2.1 | 3.2 | 3.9 | 5.1 | 2.7 | 3.7 | 2.3 | 2.7 | 1.9 | 2.5 | 2.5 | 4.1 | 6.1 | 7.0 | 5.7 | 6.9 | 7.0 | 7.2 | 7.4 | 3.9 | 7.4 | |
| 11 | 6.1 | 5.6 | 6.2 | 8.7 | 9.0 | 6.3 | 7.9 | 9.4 | 9.5 | 11.6 | 14.3 | 12.0 | 9.0 | 7.0 | 9.4 | 5.9 | 5.7 | 5.5 | 6.6 | 7.8 | 8.6 | 9.8 | 9.7 | 9.0 | 8.4 | 14.3 | |
| 12 | 9.2 | 9.0 | 9.2 | 8.2 | 10.4 | 7.9 | 7.6 | 6.2 | 7.0 | 15.7 | 9.5 | 8.6 | 8.2 | 3.1 | 2.2 | 2.3 | 2.0 | 2.9 | 3.2 | 2.6 | 5.3 | 4.6 | 5.4 | 6.6 | 6.5 | 15.7 | |
| 13 | 6.8 | 5.8 | 4.0 | 5.0 | 6.6 | 6.2 | 5.7 | 5.2 | 9.0 | 7.2 | 6.9 | 8.0 | 9.0 | 8.8 | 13.1 | 21.8 | 11.5 | 12.2 | 7.9 | 5.1 | 4.1 | 5.2 | 3.3 | 3.5 | 7.6 | 21.8 | |
| 14 | 3.5 | 3.7 | 4.3 | 4.1 | 4.5 | 4.2 | 4.2 | 4.5 | 7.0 | 4.3 | 6.1 | 5.2 | 4.5 | 23.3 | 48.7 | 43.8 | 26.0 | 16.6 | 11.0 | 8.1 | 2.2 | 2.4 | 1.7 | 1.3 | 10.2 | 48.7 | |
| 15 | 1.6 | 1.8 | 2.9 | 1.7 | 1.4 | 2.7 | 2.3 | 2.4 | 2.9 | 5.1 | 6.0 | 9.2 | 5.6 | 2.8 | 3.0 | 2.0 | 2.3 | 2.6 | 6.3 | 1.9 | 2.7 | 4.0 | 2.4 | 3.0 | 3.3 | 9.2 | |
| 16 | 3.9 | 2.7 | 2.8 | 3.1 | 3.0 | 3.2 | 2.8 | 5.4 | 3.6 | 4.8 | 6.2 | 8.9 | 12.0 | 9.8 | 21.5 | 18.8 | 4.3 | 2.1 | 1.7 | 2.0 | 2.7 | 14.6 | 12.2 | 4.7 | 6.5 | 21.5 | |
| 17 | 6.0 | 4.7 | 2.8 | 4.4 | 6.1 | 5.3 | 4.2 | 9.5 | 7.7 | 10.1 | 19.2 | 8.5 | 5.6 | 5.2 | 5.3 | 5.2 | 4.5 | 4.9 | 5.2 | 6.9 | 6.6 | 5.9 | 5.5 | 5.1 | 6.4 | 19.2 | |
| 18 | 6.5 | 6.7 | 5.8 | 7.5 | 9.9 | 6.6 | 9.7 | 5.3 | 7.0 | 13.2 | 14.4 | 11.4 | 4.0 | 3.0 | 2.7 | 3.8 | 2.4 | 2.4 | 2.5 | 2.2 | 2.1 | 2.1 | 4.2 | 6.7 | 5.9 | 14.4 | |
| 19 | 3.0 | 2.5 | 2.5 | 3.3 | 1.8 | 1.9 | 2.4 | 3.0 | 4.1 | 5.1 | 5.6 | 19.6 | 31.0 | 21.5 | 27.5 | 10.4 | 10.9 | 22.5 | 9.4 | 9.8 | 10.1 | 4.0 | 1.9 | 9.1 | 9.3 | 31.0 | |
| 20 | 1.7 | 1.0 | 0.9 | 1.0 | 3.5 | 1.6 | 5.1 | 4.6 | 2.5 | 3.3 | 0.9 | 0.5 | 3.2 | 8.9 | 7.9 | 2.6 | 0.9 | 1.1 | 0.7 | 0.5 | 0.6 | 0.7 | 1.4 | 1.9 | 2.4 | 8.9 | |
| 21 | 1.7 | 1.1 | 1.4 | 3.6 | 5.8 | 6.8 | 0.7 | 1.0 | 1.4 | 1.4 | 4.9 | 8.3 | 9.3 | 10.2 | 4.4 | 7.5 | 6.8 | 15.0 | 12.5 | 16.0 | 10.0 | 18.2 | 12.0 | 12.3 | 7.2 | 18.2 | |
| 22 | 19.9 | 28.6 | 33.2 | 10.1 | 2.8 | 4.9 | 4.1 | 5.8 | 8.6 | 17.6 | 13.2 | 10.5 | 20.7 | 30.0 | 14.3 | 16.0 | 8.2 | 12.8 | 22.0 | 30.5 | 13.1 | 32.6 | 37.2 | 29.7 | 17.8 | 37.2 | |
| 23 | 12.5 | 17.1 | 41.7 | 11.6 | 7.5 | 2.1 | 7.1 | 16.9 | 13.8 | 32.2 | 41.2 | 46.9 | 68.0 | 71.1 | 77.7 | 121.7 | 80.3 | 14.5 | 13.6 | 6.2 | 5.2 | 2.6 | 4.4 | 4.4 | 30.0 | 121.7 | |
| 24 | 16.2 | 13.0 | 36.7 | 12.9 | 2.4 | 7.6 | 2.7 | 4.7 | 6.1 | 22.1 | 17.9 | 25.8 | 29.2 | 32.9 | 24.9 | 68.2 | 39.3 | 67.5 | 26.1 | 7.3 | 2.1 | 2.3 | 2.5 | 2.9 | 19.7 | 68.2 | |
| 25 | 3.9 | 4.6 | 3.7 | 2.4 | 4.2 | 2.5 | 5.5 | 17.7 | 67.5 | 100.5 | 46.6 | 41.4 | 110.5 | 98.6 | 121.0 | 132.4 | 92.7 | 58.2 | 62.8 | 119.8 | 16.9 | 35.7 | 23.1 | 31.1 | 50.1 | 132.4 | |
| 26 | 20.0 | 32.7 | 11.9 | 4.4 | 0.5 | 0.9 | 1.0 | 1.0 | 0.4 | 0.5 | 1.5 | 9.2 | 9.7 | 7.9 | 13.1 | 11.7 | 8.4 | 32.6 | 25.1 | 12.2 | 11.1 | 12.4 | 9.3 | 12.3 | 10.4 | 32.7 | |
| 27 | 2.3 | 1.9 | 1.7 | 3.8 | 16.3 | 12.1 | 19.4 | 33.3 | 33.2 | 36.3 | 33.9 | 47.8 | 36.2 | 78.8 | 101.1 | 116.1 | 61.7 | 41.7 | 14.5 | 26.8 | 21.3 | 30.9 | 38.5 | 11.1 | 34.2 | 116.1 | |
| 28 | 1.5 | 1.5 | 2.3 | 3.3 | 2.6 | 2.8 | 5.2 | 4.2 | 2.1 | 1.1 | 1.2 | 1.8 | 2.2 | 1.9 | 2.3 | 2.2 | 3.1 | 3.3 | 2.1 | 2.2 | 2.6 | 2.5 | 5.0 | 5.6 | 2.7 | 5.6 | |
| 29 | 5.1 | 3.8 | 10.2 | 4.0 | 3.2 | 2.7 | 2.6 | 8.9 | 2.1 | 1.1 | 0.6 | 2.3 | 6.2 | 7.2 | 62.4 | 36.5 | 26.5 | 14.4 | 16.2 | 1.3 | 0.7 | 0.5 | 0.3 | 0.5 | 9.1 | 62.4 | |
| 30 | 1.0 | 5.8 | 5.9 | 2.4 | 3.3 | 3.4 | 4.4 | 7.6 | 14.3 | 29.4 | 30.7 | 26.7 | 50.5 | 70.2 | 23.1 | 22.3 | 11.6 | 16.2 | 11.0 | 15.1 | 34.1 | 12.1 | 16.0 | 19.5 | 18.2 | 70.2 | |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 720 | 100% |
| MEAN | 7.7 | 8.4 | 9.5 | 6.5 | 6.6 | 6.5 | 7.0 | 9.8 | 12.0 | 17.4 | 17.9 | 18.3 | 24.3 | 24.7 | 28.8 | 30.6 | 20.7 | 18.9 | 13.9 | 12.5 | 10.2 | 11.8 | 10.7 | 9.3 | | | |
| MAX | 31.6 | 33.5 | 41.7 | 26.7 | 28.3 | 31.0 | 33.5 | 44.4 | 67.5 | 100.5 | 46.6 | 49.6 | 134.3 | 98.6 | 121.0 | 132.4 | 92.7 | 67.5 | 62.8 | 119.8 | 59.1 | 45.1 | 44.2 | 31.1 | | | |



| | | |
|-----------------------------|-------------|--------------------|
| Number of 24HR Exceedences | 4 | Proposed Guideline |
| Number of Non-Zero Readings | 720 | |
| Maximum 1-HR Average | 134.3 UG/M3 | |
| Maximum 24-HR Average | 50.1 UG/M3 | |
| Monthly Calibration | 0 | Operational Time |
| Standard Deviation | 18.9 | Operational Uptime |
| | | Monthly Average |
| | | 720 HRS |
| | | 100.0 % |
| | | 14.3 UG/M3 |

Berm PM₁₀ (µg/m³) – September 2024

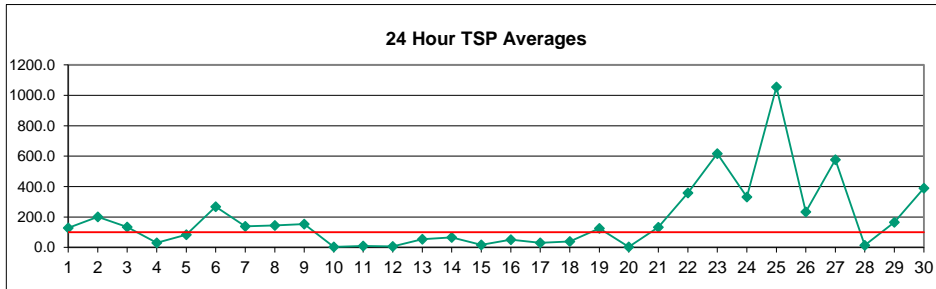
| DAY | HOUR | | | | | | | | | | | | | | | | | | | | | | | | MEAN | MAX | |
|------|-------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| | 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 | 14.3 | 17.6 | 19.5 | 6.8 | 6.8 | 13.2 | 13.6 | 36.3 | 27.3 | 76.1 | 129.1 | 31.7 | 37.8 | 96.1 | 342.8 | 260.8 | 161.5 | 96.6 | 11.5 | 8.9 | 9.8 | 23.3 | 17.2 | 13.1 | 61.3 | 342.8 | |
| 2 | 11.0 | 18.0 | 13.6 | 17.0 | 27.6 | 38.6 | 25.7 | 47.0 | 33.7 | 105.8 | 219.7 | 205.4 | 80.5 | 168.0 | 164.5 | 131.9 | 99.1 | 10.2 | 30.9 | 45.4 | 353.6 | 114.1 | 102.3 | 67.2 | 88.8 | 353.6 | |
| 3 | 43.4 | 4.4 | 3.5 | 5.2 | 5.6 | 5.4 | 4.0 | 10.0 | 15.4 | 37.5 | 65.6 | 36.5 | 40.6 | 107.3 | 271.4 | 172.7 | 102.3 | 148.7 | 150.7 | 12.3 | 8.5 | 7.9 | 4.9 | 5.3 | 52.9 | 271.4 | |
| 4 | 11.1 | 18.5 | 15.7 | 11.6 | 12.2 | 13.2 | 13.4 | 20.0 | 27.5 | 29.5 | 30.2 | 23.0 | 22.0 | 21.6 | 18.1 | 16.1 | 17.4 | 22.9 | 24.7 | 23.7 | 24.6 | 14.9 | 6.6 | 6.3 | 18.5 | 30.2 | |
| 5 | 8.9 | 9.6 | 7.9 | 8.5 | 8.2 | 12.3 | 30.4 | 72.8 | 49.7 | 122.4 | 224.4 | 60.9 | 72.0 | 79.4 | 48.9 | 33.0 | 22.0 | 20.3 | 16.0 | 13.8 | 12.2 | 22.7 | 15.3 | 14.4 | 41.1 | 224.4 | |
| 6 | 11.8 | 12.8 | 10.7 | 8.0 | 8.7 | 8.9 | 14.0 | 28.1 | 22.4 | 20.0 | 65.8 | 337.8 | 927.1 | 204.9 | 298.8 | 405.5 | 176.3 | 270.1 | 186.1 | 6.5 | 5.6 | 61.1 | 14.6 | 14.2 | 130.0 | 927.1 | |
| 7 | 12.4 | 11.3 | 15.3 | 13.4 | 9.0 | 12.0 | 10.4 | 26.6 | 57.3 | 119.7 | 196.2 | 135.3 | 59.4 | 121.5 | 124.1 | 98.2 | 54.5 | 236.1 | 15.0 | 12.9 | 20.1 | 99.9 | 50.5 | 31.5 | 64.3 | 236.1 | |
| 8 | 22.0 | 24.5 | 24.6 | 26.4 | 21.7 | 26.0 | 28.4 | 52.0 | 45.6 | 82.0 | 213.6 | 233.2 | 17.0 | 160.6 | 94.7 | 114.6 | 212.3 | 111.6 | 60.3 | 34.0 | 34.4 | 124.4 | 103.5 | 32.4 | 79.2 | 233.2 | |
| 9 | 52.9 | 60.4 | 41.5 | 26.7 | 31.7 | 44.4 | 60.0 | 124.9 | 201.8 | 207.0 | 108.4 | 91.8 | 381.3 | 219.9 | 75.8 | 58.1 | 43.4 | 30.6 | 26.7 | 25.8 | 19.2 | 8.9 | 3.9 | 1.7 | 81.1 | 381.3 | |
| 10 | 1.6 | 1.6 | 1.8 | 1.9 | 1.7 | 2.1 | 3.2 | 3.9 | 5.1 | 2.7 | 3.7 | 2.3 | 2.7 | 1.9 | 2.5 | 2.5 | 4.1 | 6.1 | 7.0 | 5.7 | 7.3 | 7.4 | 7.2 | 7.4 | 3.9 | 7.4 | |
| 11 | 6.1 | 5.6 | 6.2 | 8.7 | 9.7 | 6.3 | 7.9 | 9.8 | 10.2 | 15.6 | 20.1 | 14.2 | 9.2 | 7.4 | 10.1 | 5.9 | 5.7 | 5.5 | 6.6 | 7.8 | 8.6 | 9.8 | 9.7 | 9.0 | 9.0 | 20.1 | |
| 12 | 9.2 | 9.0 | 9.2 | 8.2 | 10.4 | 7.9 | 7.6 | 6.2 | 7.0 | 20.7 | 9.5 | 8.6 | 8.2 | 3.1 | 2.2 | 2.3 | 2.0 | 2.9 | 3.2 | 2.6 | 5.3 | 4.9 | 6.8 | 7.7 | 6.9 | 20.7 | |
| 13 | 7.3 | 6.0 | 4.0 | 5.0 | 8.1 | 7.5 | 6.8 | 5.3 | 12.9 | 15.0 | 20.3 | 38.1 | 42.8 | 41.1 | 70.4 | 128.8 | 57.1 | 62.2 | 32.7 | 14.4 | 7.9 | 18.3 | 7.4 | 5.4 | 26.0 | 128.8 | |
| 14 | 4.7 | 6.7 | 10.4 | 7.2 | 6.9 | 5.6 | 4.3 | 7.3 | 14.5 | 12.6 | 30.2 | 22.0 | 17.9 | 108.2 | 253.0 | 244.5 | 134.8 | 92.4 | 45.5 | 40.7 | 4.3 | 6.5 | 4.3 | 2.3 | 45.3 | 253.0 | |
| 15 | 2.0 | 2.2 | 4.0 | 2.0 | 1.6 | 3.7 | 3.1 | 3.2 | 11.2 | 22.6 | 23.1 | 39.1 | 25.7 | 11.7 | 5.5 | 5.8 | 5.2 | 7.1 | 26.6 | 3.2 | 8.9 | 16.2 | 3.8 | 6.7 | 10.2 | 39.1 | |
| 16 | 9.9 | 2.8 | 2.8 | 3.3 | 3.1 | 3.2 | 2.9 | 11.9 | 12.1 | 15.2 | 38.2 | 53.2 | 72.6 | 54.8 | 98.4 | 93.3 | 20.2 | 6.9 | 4.3 | 5.0 | 7.0 | 59.7 | 26.0 | 11.3 | 25.8 | 98.4 | |
| 17 | 15.2 | 10.7 | 4.9 | 5.1 | 7.3 | 7.0 | 5.3 | 18.8 | 33.2 | 49.7 | 105.0 | 35.3 | 19.2 | 14.7 | 16.6 | 14.1 | 11.8 | 12.3 | 11.8 | 20.1 | 16.6 | 8.7 | 6.1 | 5.6 | 18.9 | 105.0 | |
| 18 | 7.2 | 7.6 | 6.1 | 9.0 | 14.4 | 8.3 | 14.3 | 8.7 | 25.3 | 78.1 | 88.8 | 46.9 | 19.0 | 10.0 | 9.2 | 15.9 | 6.3 | 10.4 | 5.1 | 6.1 | 4.1 | 2.5 | 6.0 | 9.7 | 17.5 | 88.8 | |
| 19 | 4.5 | 4.9 | 5.3 | 11.7 | 2.4 | 3.1 | 5.3 | 9.8 | 14.8 | 18.1 | 20.4 | 97.0 | 181.8 | 145.9 | 208.7 | 60.2 | 61.6 | 148.8 | 63.2 | 57.9 | 59.0 | 17.0 | 2.4 | 11.7 | 50.6 | 208.7 | |
| 20 | 2.1 | 1.1 | 0.9 | 1.0 | 4.6 | 1.7 | 7.1 | 6.4 | 2.8 | 3.9 | 0.9 | 0.6 | 3.6 | 12.2 | 14.0 | 2.6 | 0.9 | 1.3 | 0.7 | 0.5 | 0.6 | 0.7 | 1.4 | 1.9 | 3.1 | 14.0 | |
| 21 | 1.7 | 1.1 | 1.5 | 5.1 | 8.6 | 10.2 | 0.7 | 1.0 | 1.4 | 4.4 | 22.8 | 48.8 | 56.0 | 63.7 | 23.2 | 42.8 | 34.2 | 102.7 | 79.2 | 112.6 | 62.0 | 119.9 | 76.9 | 66.1 | 39.4 | 119.9 | |
| 22 | 118.8 | 176.4 | 237.3 | 54.3 | 10.7 | 26.2 | 18.3 | 29.6 | 45.4 | 92.2 | 90.6 | 65.4 | 132.9 | 178.9 | 79.1 | 112.8 | 44.5 | 79.6 | 150.9 | 212.7 | 81.3 | 207.6 | 217.9 | 168.6 | 109.7 | 237.3 | |
| 23 | 57.9 | 99.4 | 247.9 | 68.2 | 37.8 | 9.1 | 37.4 | 104.5 | 79.9 | 204.7 | 269.1 | 313.2 | 435.8 | 507.8 | 531.7 | 848.0 | 562.6 | 99.4 | 80.2 | 30.9 | 23.2 | 9.7 | 18.2 | 19.7 | 195.7 | 848.0 | |
| 24 | 103.9 | 80.3 | 254.2 | 84.8 | 12.5 | 46.4 | 12.9 | 20.9 | 33.3 | 142.5 | 139.3 | 205.3 | 172.8 | 191.4 | 143.2 | 370.2 | 211.5 | 383.5 | 168.4 | 40.3 | 6.1 | 5.5 | 5.6 | 7.1 | 118.4 | 383.5 | |
| 25 | 11.3 | 20.1 | 12.5 | 5.1 | 11.9 | 8.9 | 22.8 | 107.4 | 382.1 | 680.4 | 324.0 | 270.9 | 799.1 | 745.1 | 1010.4 | 1048.7 | 717.6 | 422.5 | 433.2 | 919.2 | 106.0 | 235.1 | 158.7 | 223.2 | 361.5 | 1048.7 | |
| 26 | 132.3 | 232.7 | 68.2 | 18.5 | 0.8 | 2.0 | 1.0 | 1.0 | 0.4 | 1.4 | 5.1 | 41.2 | 54.5 | 46.4 | 88.4 | 70.4 | 49.3 | 221.8 | 128.0 | 75.8 | 64.7 | 78.7 | 71.3 | 91.4 | 64.4 | 232.7 | |
| 27 | 11.0 | 6.4 | 4.2 | 18.0 | 100.3 | 85.9 | 129.7 | 232.4 | 212.1 | 236.5 | 248.1 | 311.2 | 253.6 | 410.2 | 516.1 | 589.4 | 252.8 | 199.5 | 69.2 | 154.8 | 133.2 | 197.4 | 238.7 | 67.3 | 194.9 | 589.4 | |
| 28 | 2.2 | 2.2 | 6.1 | 10.6 | 5.5 | 6.7 | 15.2 | 12.5 | 5.1 | 2.5 | 3.0 | 5.5 | 7.4 | 6.5 | 7.7 | 8.4 | 11.2 | 11.0 | 5.4 | 5.0 | 6.8 | 7.7 | 17.2 | 21.5 | 8.0 | 21.5 | |
| 29 | 17.8 | 9.4 | 38.2 | 9.9 | 5.6 | 4.2 | 2.6 | 49.9 | 6.3 | 1.8 | 1.4 | 7.4 | 28.8 | 38.5 | 427.6 | 221.0 | 198.3 | 96.4 | 87.0 | 5.5 | 1.2 | 0.5 | 0.3 | 0.5 | 52.5 | 427.6 | |
| 30 | 1.0 | 8.6 | 17.7 | 7.7 | 4.3 | 4.8 | 17.7 | 47.8 | 102.8 | 196.6 | 194.3 | 184.3 | 331.7 | 471.2 | 163.5 | 146.7 | 80.3 | 94.6 | 74.8 | 95.2 | 242.1 | 81.8 | 94.8 | 133.0 | 116.6 | 471.2 | |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 720 | 100% |
| MEAN | 23.9 | 29.0 | 36.5 | 15.6 | 13.3 | 14.5 | 17.5 | 37.2 | 49.9 | 87.2 | 97.0 | 98.9 | 143.8 | 141.7 | 170.7 | 177.5 | 112.0 | 100.5 | 66.8 | 66.6 | 44.8 | 52.4 | 43.3 | 35.4 | | | |
| MAX | 132.3 | 232.7 | 254.2 | 84.8 | 100.3 | 85.9 | 129.7 | 232.4 | 382.1 | 680.4 | 324.0 | 337.8 | 927.1 | 745.1 | 1010.4 | 1048.7 | 717.6 | 422.5 | 433.2 | 919.2 | 353.6 | 235.1 | 238.7 | 223.2 | | | |



| | |
|-----------------------------|--------------|
| Number of Non-Zero Readings | 720 |
| Maximum 1-HR Average | 1048.7 UG/M3 |
| Maximum 24-HR Average | 361.5 UG/M3 |
| Monthly Calibration | 0 |
| Standard Deviation | 127.9 |
| Operational Time | 720 HRS |
| Operational Uptime | 100.0 % |
| Monthly Average | 69.8 UG/M3 |

Berm TSP ($\mu\text{g}/\text{m}^3$) – September 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 | 17.9 | 27.2 | 40.5 | 6.8 | 6.8 | 20.7 | 18.1 | 85.3 | 69.9 | 165.8 | 332.7 | 76.6 | 68.0 | 193.0 | 802.6 | 586.7 | 278.9 | 173.1 | 19.1 | 8.9 | 9.8 | 32.6 | 23.1 | 14.0 | 128.2 | 802.6 |
| 2 | 11.0 | 20.4 | 13.6 | 17.6 | 42.6 | 73.8 | 32.7 | 98.3 | 80.8 | 257.3 | 536.8 | 488.6 | 150.6 | 360.7 | 328.6 | 266.5 | 148.9 | 14.2 | 54.4 | 101.4 | 1027.4 | 235.9 | 295.9 | 180.3 | 201.6 | 1027.4 |
| 3 | 108.0 | 4.4 | 3.5 | 5.2 | 5.6 | 5.4 | 4.0 | 15.7 | 21.2 | 71.1 | 107.9 | 66.3 | 69.2 | 239.9 | 753.8 | 503.3 | 326.4 | 456.4 | 392.9 | 19.4 | 8.8 | 7.9 | 4.9 | 5.3 | 133.6 | 753.8 |
| 4 | 11.9 | 38.0 | 20.9 | 15.5 | 18.3 | 13.5 | 14.3 | 33.6 | 49.6 | 50.1 | 42.3 | 43.0 | 36.2 | 43.9 | 28.8 | 28.9 | 35.7 | 48.3 | 56.7 | 39.6 | 35.8 | 14.9 | 6.6 | 6.3 | 30.5 | 56.7 |
| 5 | 8.9 | 9.6 | 7.9 | 8.5 | 8.2 | 12.3 | 78.0 | 217.9 | 99.8 | 267.1 | 534.7 | 105.3 | 129.8 | 139.0 | 91.2 | 61.7 | 35.1 | 39.7 | 22.3 | 15.3 | 12.2 | 46.6 | 24.4 | 25.2 | 83.4 | 534.7 |
| 6 | 19.3 | 27.7 | 17.2 | 9.2 | 15.4 | 16.8 | 20.4 | 75.7 | 46.8 | 36.5 | 162.5 | 914.8 | 2005.4 | 360.8 | 474.5 | 706.3 | 403.2 | 582.9 | 326.9 | 8.7 | 8.2 | 129.6 | 28.9 | 28.0 | 267.7 | 2005.4 |
| 7 | 21.9 | 23.5 | 39.0 | 19.8 | 11.1 | 25.3 | 11.7 | 69.5 | 176.3 | 313.7 | 515.5 | 320.9 | 95.4 | 279.9 | 263.4 | 195.5 | 59.4 | 453.1 | 17.6 | 17.4 | 27.0 | 231.8 | 82.6 | 57.7 | 138.7 | 515.5 |
| 8 | 30.4 | 33.1 | 34.2 | 37.7 | 31.6 | 32.5 | 50.8 | 123.3 | 88.5 | 215.8 | 508.3 | 521.4 | 17.3 | 392.2 | 166.4 | 175.9 | 371.0 | 163.6 | 62.0 | 35.3 | 34.4 | 174.4 | 138.3 | 32.4 | 144.6 | 521.4 |
| 9 | 59.3 | 65.8 | 41.5 | 26.7 | 31.7 | 54.7 | 84.7 | 231.7 | 459.9 | 467.1 | 240.6 | 146.5 | 884.3 | 475.0 | 119.3 | 75.3 | 59.0 | 47.8 | 29.0 | 37.4 | 20.9 | 8.9 | 3.9 | 1.7 | 153.0 | 884.3 |
| 10 | 1.6 | 1.6 | 1.8 | 1.9 | 1.7 | 2.1 | 3.2 | 3.9 | 5.1 | 2.7 | 3.7 | 2.3 | 2.7 | 1.9 | 2.5 | 2.5 | 4.1 | 6.1 | 7.0 | 5.7 | 7.3 | 7.4 | 7.2 | 7.4 | 3.9 | 7.4 |
| 11 | 6.1 | 5.6 | 6.2 | 8.7 | 9.7 | 6.3 | 7.9 | 9.8 | 10.2 | 15.6 | 20.1 | 14.2 | 9.2 | 7.4 | 10.1 | 5.9 | 5.7 | 5.5 | 6.6 | 7.8 | 8.6 | 9.8 | 9.7 | 9.0 | 9.0 | 20.1 |
| 12 | 9.2 | 9.0 | 9.2 | 8.2 | 10.4 | 7.9 | 7.6 | 6.2 | 7.0 | 20.7 | 9.5 | 8.6 | 8.2 | 3.1 | 2.2 | 2.3 | 2.0 | 2.9 | 3.2 | 2.6 | 5.3 | 4.9 | 6.8 | 7.7 | 6.9 | 20.7 |
| 13 | 7.3 | 6.0 | 4.0 | 5.0 | 8.1 | 7.5 | 6.8 | 5.3 | 12.9 | 30.3 | 50.9 | 94.3 | 83.4 | 85.1 | 191.5 | 304.3 | 134.5 | 126.4 | 67.9 | 37.7 | 7.9 | 23.3 | 7.4 | 5.4 | 54.7 | 304.3 |
| 14 | 4.7 | 6.7 | 13.4 | 9.8 | 6.9 | 5.6 | 4.3 | 7.5 | 14.5 | 24.5 | 54.4 | 57.4 | 30.3 | 158.9 | 351.6 | 401.7 | 151.3 | 150.9 | 48.8 | 63.1 | 4.3 | 6.5 | 4.4 | 2.3 | 66.0 | 401.7 |
| 15 | 2.0 | 2.2 | 4.0 | 2.0 | 1.6 | 3.7 | 3.1 | 3.2 | 22.3 | 36.4 | 41.7 | 66.6 | 51.1 | 21.2 | 5.5 | 5.8 | 9.9 | 12.3 | 46.4 | 3.2 | 13.7 | 33.1 | 3.8 | 6.7 | 16.7 | 66.6 |
| 16 | 9.9 | 2.8 | 2.8 | 3.3 | 3.1 | 3.2 | 2.9 | 19.4 | 23.0 | 39.7 | 122.4 | 191.3 | 177.6 | 133.7 | 153.1 | 153.1 | 46.0 | 9.6 | 10.0 | 5.3 | 9.9 | 89.8 | 26.0 | 11.3 | 50.9 | 191.3 |
| 17 | 15.2 | 10.7 | 5.5 | 5.1 | 7.3 | 7.0 | 5.3 | 22.9 | 63.7 | 119.7 | 195.2 | 64.1 | 31.4 | 23.3 | 27.5 | 26.4 | 16.0 | 19.9 | 17.5 | 22.3 | 17.8 | 8.7 | 6.1 | 5.6 | 31.0 | 195.2 |
| 18 | 7.2 | 7.6 | 6.1 | 9.0 | 14.4 | 8.3 | 14.4 | 9.1 | 50.1 | 251.2 | 242.4 | 74.4 | 39.4 | 25.8 | 17.0 | 26.4 | 9.0 | 85.3 | 5.1 | 8.7 | 7.9 | 2.5 | 6.0 | 9.7 | 39.0 | 251.2 |
| 19 | 13.2 | 8.8 | 6.7 | 21.4 | 2.4 | 3.1 | 7.2 | 24.4 | 31.7 | 27.9 | 41.7 | 174.8 | 365.4 | 391.7 | 577.5 | 141.4 | 152.4 | 397.3 | 215.9 | 168.3 | 157.6 | 46.0 | 2.4 | 11.7 | 124.6 | 577.5 |
| 20 | 2.1 | 1.1 | 0.9 | 1.0 | 4.6 | 1.7 | 7.1 | 6.4 | 2.8 | 3.9 | 0.9 | 0.6 | 3.6 | 12.2 | 17.1 | 2.6 | 0.9 | 1.3 | 0.7 | 0.5 | 0.6 | 0.7 | 1.4 | 1.9 | 3.2 | 17.1 |
| 21 | 1.7 | 1.1 | 1.5 | 5.1 | 8.9 | 10.5 | 0.7 | 1.0 | 1.4 | 19.8 | 113.9 | 188.2 | 217.4 | 183.2 | 64.6 | 161.2 | 124.3 | 349.6 | 251.3 | 408.0 | 201.7 | 385.8 | 244.6 | 234.5 | 132.5 | 408.0 |
| 22 | 431.3 | 609.7 | 826.9 | 166.4 | 37.0 | 101.4 | 47.8 | 98.7 | 134.7 | 303.5 | 330.6 | 262.7 | 457.4 | 538.6 | 222.1 | 418.0 | 135.9 | 253.7 | 538.0 | 759.1 | 297.6 | 623.0 | 511.0 | 492.6 | 358.2 | 826.9 |
| 23 | 114.3 | 279.2 | 763.4 | 212.3 | 106.7 | 26.2 | 90.5 | 305.2 | 216.6 | 589.5 | 774.0 | 967.5 | 1355.1 | 1650.6 | 1844.8 | 2653.1 | 2010.6 | 326.8 | 259.0 | 82.9 | 57.3 | 28.7 | 50.0 | 41.6 | 616.9 | 2653.1 |
| 24 | 360.6 | 277.0 | 882.0 | 312.9 | 38.2 | 132.0 | 28.2 | 45.8 | 72.4 | 348.9 | 437.7 | 612.6 | 465.0 | 484.7 | 379.3 | 872.9 | 489.2 | 1073.2 | 499.4 | 110.7 | 16.0 | 7.8 | 6.8 | 14.8 | 332.0 | 1073.2 |
| 25 | 25.0 | 50.8 | 24.0 | 5.7 | 16.6 | 18.9 | 38.0 | 279.8 | 983.1 | 2040.9 | 1012.7 | 894.8 | 2208.0 | 2237.0 | 3012.4 | 2952.3 | 1997.0 | 1401.4 | 1365.1 | 2298.9 | 360.1 | 759.3 | 536.3 | 791.3 | 1054.6 | 3012.4 |
| 26 | 509.3 | 820.2 | 225.8 | 77.2 | 0.8 | 2.0 | 1.0 | 1.0 | 0.4 | 2.0 | 10.0 | 63.1 | 145.7 | 149.5 | 248.8 | 242.9 | 215.6 | 822.6 | 421.4 | 310.4 | 252.6 | 316.2 | 334.3 | 424.3 | 233.2 | 822.6 |
| 27 | 45.0 | 24.6 | 4.5 | 53.2 | 400.6 | 336.1 | 480.0 | 807.7 | 716.7 | 766.0 | 904.0 | 1153.4 | 893.6 | 1074.7 | 1303.8 | 1549.9 | 434.8 | 437.1 | 166.9 | 482.9 | 404.4 | 617.4 | 625.8 | 178.0 | 577.5 | 1549.9 |
| 28 | 2.2 | 3.6 | 11.6 | 32.8 | 9.1 | 9.0 | 26.9 | 17.0 | 7.1 | 3.4 | 3.9 | 9.0 | 17.0 | 14.0 | 13.7 | 12.5 | 17.6 | 17.1 | 5.5 | 5.2 | 9.7 | 13.5 | 25.5 | 51.7 | 14.1 | 51.7 |
| 29 | 38.8 | 16.9 | 63.6 | 15.2 | 9.4 | 5.9 | 2.6 | 166.2 | 7.4 | 2.2 | 1.5 | 16.5 | 113.1 | 129.0 | 1378.6 | 699.9 | 773.8 | 325.4 | 186.9 | 13.6 | 4.7 | 0.5 | 0.3 | 0.5 | 165.5 | 1378.6 |
| 30 | 1.0 | 9.0 | 17.7 | 12.3 | 4.3 | 4.8 | 23.8 | 107.7 | 312.4 | 604.0 | 607.0 | 550.9 | 1102.1 | 1433.4 | 571.0 | 537.1 | 309.3 | 350.6 | 284.4 | 372.1 | 886.8 | 351.4 | 361.5 | 543.6 | 389.9 | 1433.4 |
| NO. | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 720 | 100% |
| MEAN | 63.2 | 80.1 | 103.3 | 37.2 | 29.1 | 32.0 | 37.5 | 96.6 | 126.3 | 236.6 | 265.3 | 271.7 | 374.4 | 374.5 | 446.8 | 459.1 | 291.9 | 271.8 | 179.6 | 181.7 | 130.5 | 140.6 | 112.9 | 106.8 | | |
| MAX | 509.3 | 820.2 | 882.0 | 312.9 | 400.6 | 336.1 | 480.0 | 807.7 | 983.1 | 2040.9 | 1012.7 | 1153.4 | 2208.0 | 2237.0 | 3012.4 | 2952.3 | 2010.6 | 1401.4 | 1365.1 | 2298.9 | 1027.4 | 759.3 | 625.8 | 791.3 | | |



| | | |
|-----------------------------|--------------|-----------------------------|
| Number of 24HR Exceedences | 17 | Proposed Guideline |
| Number of Non-Zero Readings | 720 | |
| Maximum 1-HR Average | 3012.4 UG/M3 | |
| Maximum 24-HR Average | 1054.6 UG/M3 | |
| IZS Calibration Time | | Operational Time 720 HRS |
| Monthly Calibration | 0 | Operational Uptime 100.0 % |
| Standard Deviation | 370.3 | Monthly Average 185.4 UG/M3 |