Peace River Area Monitoring Program

MARCH 2024

Monthly Ambient Air Quality Monitoring Report

PRAMP-202403

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

April 8, 2024

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LIST OF ACRONYMS

AAAQOs	Alberta Ambient Air Quality Objectives
AEP	Alberta Environment and Parks
AMD	Air Monitoring Directive
AT	Ambient Temperature
BP	Barometric Pressure
CH4	Methane
EPEA	Environmental Protection and Enhancement Act
H2S	Hydrogen Sulphide
kph	kilometers per hour
mb	millibar
mm	millimeter
NMHC	Non-Methane Hydrocarbons
ppb	parts per billion
ppm	parts per million
PRAMP	Peace River Area Monitoring Program
RH	Relative Humidity
SO2	Sulphur Dioxide
ST	Station Temperature
THC	Total Hydrocarbons
TRS	Total Reduced Sulphur
VWD	Vector Wind Direction
VWS	Vector Wind Speed
WD	Wind Direction
WS	Wind Speed
°C	Degrees Celsius

Peace River Area Monitoring Program
Suite 91, 305 – 4625 Varity Drive NW
Calgary, AB, T3A 0Z9
Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca
www.prampairshed.ca

Alberta Environment and Protected Areas (EPA)
11th Floor, Oxbridge Place
9820 106 Street
Edmonton, AB, T5K 2J6

April 8, 2024

RE: PRAMP – March 2024 Monthly Ambient Air Quality Monitoring Report

Enclosed is the March 2024 Monthly Ambient Air Quality Monitoring Report for the continuous ambient air quality monitoring stations of the Peace River Area Monitoring Program (PRAMP) regional air quality monitoring network.

The representative of the Person Responsible for this monitoring program is

PRAMP Airshed
Michael Bisaga / Lily Lin, Technical Program Managers
Suite 91, 305 – 4625 Varity Drive NW
Calgary, AB, T3A 0Z9
Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca

This report has been prepared, review and submitted by Michael Bisaga & Lily Lin of the PRAMP Airshed. This report is also submitted on behalf of the industrial member companies to satisfy the requirements of the facility operating approvals.

PRAMP Airshed has retained the services of Bureau Veritas Canada to conduct continuous ambient monitoring on its behalf.

NETWORK STATION SUMMARY

Listing of Continuous Monitoring Stations

The PRAMP continuous ambient air quality monitoring network stations are:

- 986-C Station
- 842-B Station
- Reno-B Station
- AQHI Grimshaw
- Peace River Complex (PRC) Station

Station ID	Station Name	Latitude	Longitude
1562	986-C	56.36980	-116.92500
1561	842-B	56.27406	-116.98129
1563	Reno-B	55.890868	-117.137080
1689	AQHI-Grimshaw	56.18657	-117.604994
1698	PRC	56.38257	-116.769283

Listing of Intermittent Monitoring Stations

- VOC Canister Sampling Station
    - 986-C Station
    - 842-B Station
    - Reno-B Station

Listing of PRAMP member with EPEA Facility Operating Approval

Company	Facility	Approval No.
Canadian Natural Upgrading Limited	Peace River Complex	1642-03-00

Calibration and Data Submission

Hourly data and calibration reports for March 2024 were submitted to the ETS data system for the 986-C station, 842-B station, Reno-B station, PRC station and AQHI-Grimshaw station.

Monitoring Notes during the Month of March 2024

All stations

- **Precipitation** (only apply for 986-C, 842-B and Reno-B Station): Precipitation gauge did not work during extreme cold weather conditions because the built-in heating system does not function efficiently in very low ambient temperatures. As a result of this issue, the precipitation gauge malfunctioned for most of the month in January and February. With ambient temperatures rising to the instrument's operational ranges, an audit of the precipitation gauge was performed to restart the monitoring program in March.

986-C Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime.
- **THC/CH4/NMHC**:
    - The station's zero air supply was exchanged on March 19; BV's Teledyne T701 unit, s/n: 80, was removed, and PRAMP's Teledyne T701, s/n: 468, was installed.
    - On March 19, PRAMP's Thermo 55i analyzer, s/n: 12208316589, was removed, and BV's Thermo 55i analyzer, s/n: 1022143392, was installed. The Analyzer was allowed time to stabilize overnight. A successful installation calibration was completed on March 20. Seventeen hours of downtime were recorded.

842-B Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.
- **THC/CH4/NMHC**: The station's zero air supply was exchanged on March 13; BV's Teledyne T701 unit, s/n: 74, was removed, and PRAMP's Teledyne T701, s/n: 1087, was installed.

Reno-B Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.
- No major operational issues were recorded this month.

PRC Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.
- No major operational issues were recorded this month.

AQHI – Grimshaw Station

- All data collected this month were compliant with the requirements outlined in the AMD 2016.

- All parameters met the 90% operational uptime requirement.
- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) and /or Alberta Ambient Air Quality Guidelines (AAAQGs) where applicable.
- **SO2**: The analyzer spanned high on March 26 due to higher station temperatures. The span check result was within the acceptable range after station temperatures were improved the next day.
- Elevated readings were recorded for most gas parameters on March 5, 11 and 22. Additionally, extreme high NMHC concentrations were recorded on March 9 at hour 20. One-Minute data were reviewed, and data validity was confirmed, although some of the 1-minute data recorded for NOx, NO and NMHC were above the calibration range, which was 500 ppb.

VOCs Canister Sampling Program

- The canister sampling program collects a 1-hour sample of air when the continuously measured non-methane hydrocarbon (NMHC) concentration reaches a specified trigger point. The current trigger point is 0.3 ppm for non-methane hydrocarbons. The trigger point is based on real-time monitoring data that are averaged over a 5-minute period.
- The canister sample collection systems are in place at Station 986-C, 842-B, and the Reno-B Station; a canister sample collection system is not part of the suite of instruments currently deployed at both the PRC station and the AQHI-Grimshaw station.
- Sample analysis and analytical results were prepared and provided by InnoTech Alberta.
- There was no canister event in March.

Revisions to Alberta's Ambient Air Quality Data Warehouse

No revisions to historical data previously submitted to the ETS data system this month.

Deviations from Authorized Monitoring Methods

AQHI – Grimshaw Station: The station temperatures were above the required temperature ranges on March 18 for a few hours. After reviewing the analyzer's diagnostic results, it was concluded that the analyzer's performance appeared to be unaffected.

Disclaimer

Baseline corrections were performed on the 1-minute data. 5-minute and hourly data were calculated based on the post-baseline correction 1-minute data set. Data verification/validation were then performed on the 5-minute and hourly data. Hourly data that are included in this report are the post-validation hourly data set.

Equipment calibration / maintenance records were provided by Bureau Veritas.

Certification

This report was prepared and submitted by Lily Lin in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

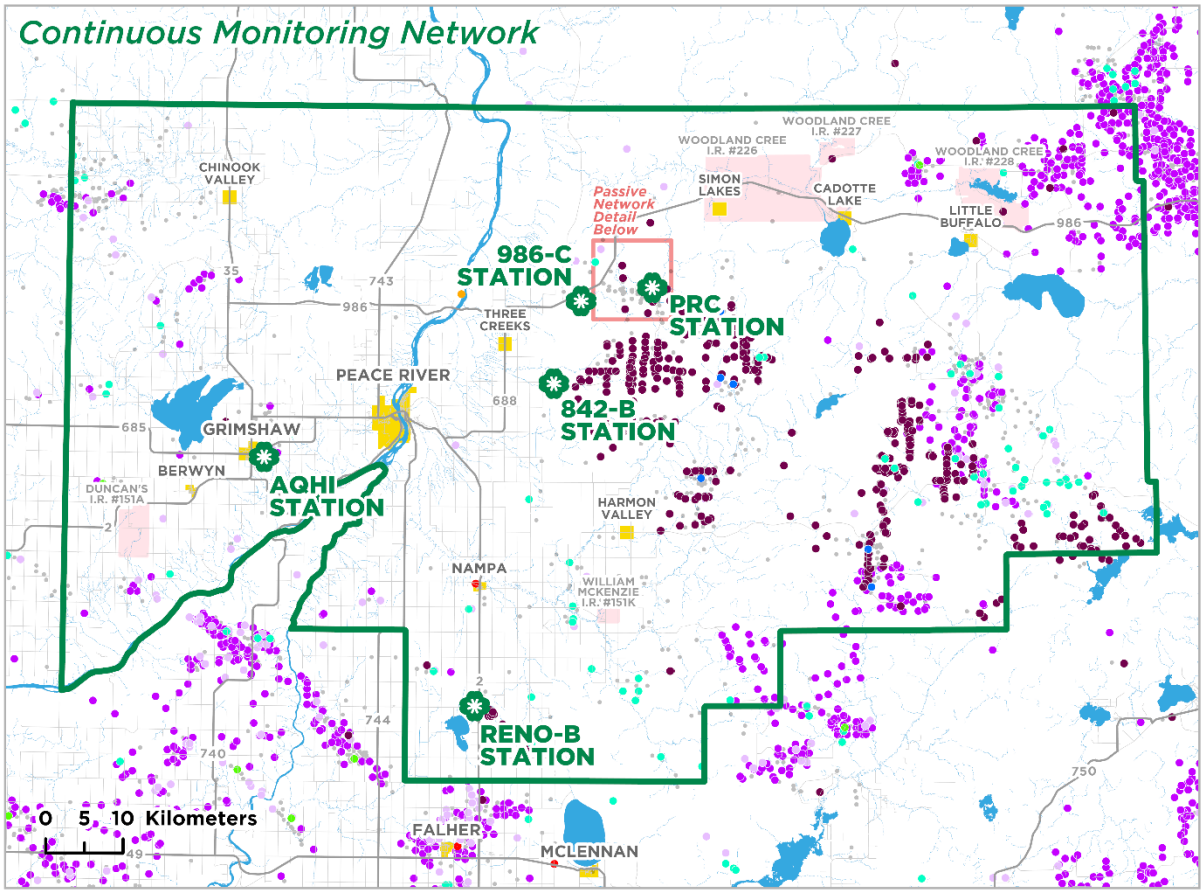
Lily Lin, Technical Program Manager, PRAMP Airshed

This report was reviewed by Michael Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

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. I also certify that at the time of this report's submission, all air data have been electronically uploaded to ETS data system as required by the AMD. Uploading of VOC data from the canister sampling program was not required at the time of completing this report.

Michael Bisaga, Technical Program Manager, PRAMP Airshed

Map of PRAMP Continuous Monitoring Network

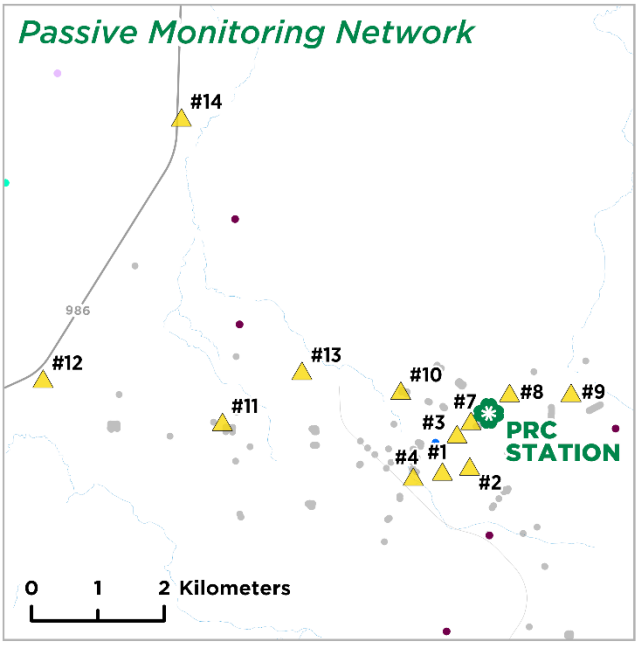


Legend

- PRAMP Boundary
- Populated Place
- First Nation
- Continuous Monitoring Station
- Passive Monitoring Station

Industrial Facilities

- In-Situ Oil Sands
- Heavy Oil/Bitumen Well or Battery
- Conventional Oil Well or Battery
- Natural Gas Well or Battery
- Gas Plant or Gas Processing
- Compressor Station or Pipeline
- Agricultural Storage and Transfer
- Pulp and Paper
- Well (Not Associated with Batteries)



Service Layer Credits: Esri, CGIAR, USGS, Esri, USGS

CONTINUOUS NETWORK EQUIPMENT AND MONITORING RESULTS SUMMARY

986 -C Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43iQTL #1193585646	• A successful monthly calibration was performed on March 19. • No operational issues were identified this month.
TRS Thermo 43iQTL #1191833341 TRS convertor CD Nova CDN-101 #530 (BV-supplied)	• A successful monthly calibration was performed on March 19. • Low ambient temperatures, which were recorded between March 1 and March 5, had a marked effect on TRS span results. This is a perennial problem when the moisture levels in sample air drop very low, causing TRS analyzer to respond more slowly due to the SO2 scrubber requiring a certain humidity to function optimally. Although daily span check results were often below the requirements, and the daily zero check results were occasionally close to or outside the allowable drift range (while low temperatures were occurring), experience indicates the analyzer's performance remains in compliance with AMD performance criteria, and collected data remain valid.
THC/CH4/NMHC Thermo 55i #12208316589 #1022143392 H2 Generator HG300 #191267063 Zero Air Supply Teledyne T701 #80 #468	• A shut-down calibration was attempted but failed due to injection issues on March 19. The calibration was repeated using an alternate calibration system's zero-air supply. The analyzer passed the shut-down calibration requirements. Following the successful shut-down calibration, PRAMP's Thermo 55i analyzer, s/n: 12208316589, was replaced by BV's Thermo 55i analyzer, s/n: 1022143392. The station's zero air supply T701, s/n: 80, was removed, and T701, s/n: 468, was installed. The H2 desiccant was also renewed. The Analyzer was allowed time to stabilize overnight. A successful installation calibration was completed on March 20. Seventeen hours of downtime were recorded.
RH Rotronic HC2-S3 #20626912	• The RH probe was checked on March 19. The probe passed the check requirements. • No operational issues were identified this month.

Parameter	Equipment Operational Summary
BP MetOne 092 #Y23358	• The BP sensor was checked on March 19. The sensor passed the check requirements. • No operational issues were identified this month.
AT Rotronic HC2-S3 #20626912	• The AT probe was checked on March 19. The probe passed the check requirements. • No operational issues were identified this month.
ST COMET #18961918	• No operational issues were identified this month.
Precipitation RM Young 52202 #TB 16325	• As ambient temperatures improved to the instrument's operational ranges, an audit of the precipitation gauge was performed to restart the monitoring program on March 19. Data collected between March 1 and March 18 were included in this report for reference.
WS/ WD RM Young 05305AQ #180340	• Wind direction data contained in this report represents where the wind is coming from. • The annual wind system calibration was completed on August 3, 2023. • The anemometer sensors were check on March 19. The wind system passed the check requirements. • No operational issues were identified this month.

Monitored Data Summary for 986-C Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	1	Mar 2 at hr 22	16.7	ENE	0.2	Mar 21	100.0	95.1
TRS (ppb)	-	-	-	-	-	-	0.66	0.03	1.40	Mar 1 at hr 5	5	W	1.11	Mar 1	100.0	95.1
THC (ppm)	-	-	-	-	-	-	2.02	1.92	2.27	Mar 29 at hr 7	2.6	ESE	2.11	Mar 22	97.7	92.2
CH4 (ppm)	-	-	-	-	-	-	2.02	1.92	2.27	Mar 29 at hr 7	2.6	ESE	2.11	Mar 22	97.7	92.2
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Mar 1 at hr 0	13.9	NNW	0.00	Mar 1	97.7	92.2
RH (%)	-	-	-	-	-	-	63.8	21	100	Mar 11 at hr 6	11.5	ESE	80.7	Mar 4	100.0	100.0
BP (millibar)	-	-	-	-	-	-	940	918	957	Mar 21 at hr 23	10.6	E	954	Mar 19	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-4.3	-29.3	17.6	Mar 17 at hr 16	20.5	WSW	8.8	Mar 17	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	23.8	22.4	29.2	Mar 17 at hr 16	20.5	WSW	25.3	Mar 17	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	0.4	0.0	0.4	Mar 5 at hr 4	2.7	E	0.4	Mar 5	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	3.0	0.2	30.1	Mar 31 at hr 16	30.1	SSW	17.8	Mar 31	100.0	100.0
WDV (sector)	-	-	-	-	-	-	145 (SE)	-	-	-	-	-	-	-	100.0	100.0

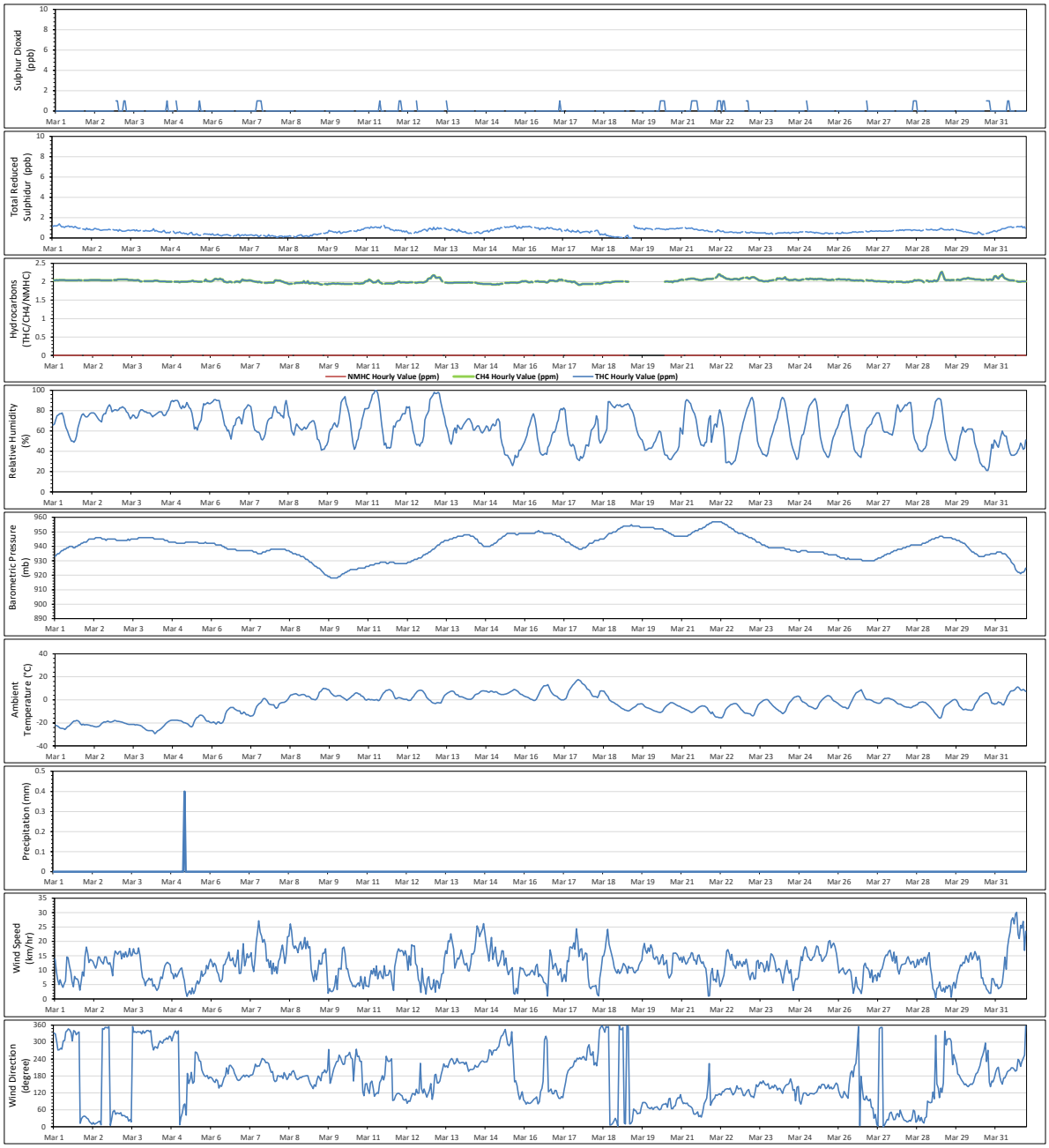
1- Date/ Time given is the first minimum and maximum value that was recorded

* Data represents the total (sum) for the indicated time frame

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

The measured ambient air quality was within the AAAQOs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Mar 2024 - 986-C Station



842-B Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43iQTL #1200736629	• A successful monthly calibration was performed on March 13. • No operational issues were noted.
TRS Thermo 43iQTL #1200736630 TRS Convertor CD Nova CDN-101 #583	• A successful monthly calibration was performed on March 13. • No operational issues were noted.
THC/CH4/NMHC Thermo 55i #1501663728 H2 Generator HG300 #190567058 Zero Air Supply Teledyne T701 #74 #1087	• Following a successful shut-down calibration on March 13, the station's zero air supply was exchanged; BV's Teledyne T701 unit, s/n: 74, was removed, and PRAMP's Teledyne T701, s/n: 1087, was installed. A successful post-repair calibration was completed the same day. One hour of downtime was recorded due to this maintenance activity.
RH Rotronic HC2-S3 #20370767	• The RH probe was checked on March 13. The probe passed the check requirements. • No operational issues were noted.
AT Rotronic HC2-S3 #20370767	• The AT probe was checked on March 14. The probe passed the check requirements. • No operational issues were noted.
BP MetOne 092 #Y23362	• The BP sensor was checked on March 14. The sensor passed the check requirements. • No operational issues were noted.
ST COMET #20790297	• No operational issues were noted.

Parameter	Equipment Operational Summary
Precipitation RM Young 52202 #TB 15878	• As ambient temperatures improved to the instrument's operational ranges, an audit of the precipitation gauge was performed to restart the monitoring program on March 13. Data collected between March 1 and March 12 were included in this report for reference.
WS/ WD RM Young 05305AQ #174802	• Wind direction data contained in this report represents where the wind is coming from. • The annual wind system calibration was completed on August 3, 2023. • The anemometer sensors were check on March 14. Both the wind speed sensor and wind direction sensor passed the check requirements. • No operational issues were noted.

Monitored Data Summary for 842-B Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	1	Mar 2 at hr 20	7.9	NE	0.3	Mar 21	100.0	95.1
TRS (ppb)	-	-	-	-	-	-	0.62	0.43	0.81	Mar 24 at hr 12	8.3	SSE	0.73	Mar 24	100.0	95.1
THC (ppm)	-	-	-	-	-	-	1.98	1.89	2.34	Mar 29 at hr 7	1.7	E	2.07	Mar 26	99.9	94.9
CH4 (ppm)	-	-	-	-	-	-	1.98	1.89	2.34	Mar 29 at hr 7	1.7	E	2.07	Mar 26	99.9	94.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Mar 1 at hr 0	6.4	NW	0.00	Mar 1	99.9	94.9
RH (%)	-	-	-	-	-	-	64.8	19	99	Mar 8 at hr 9	14.6	SSE	83.5	Mar 5	100.0	100.0
BP (millibar)	-	-	-	-	-	-	939	917	956	Mar 21 at hr 23	5.2	ENE	952	Mar 19	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-4.2	-31.4	18.3	Mar 17 at hr 16	16.3	WSW	9.5	Mar 17	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.3	21.0	23.5	Mar 12 at hr 15	5.3	W	22.8	Mar 4	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	0.4	0.0	0.1	Mar 2 at hr 13	9.4	NNW	0.1	Mar 2	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	1.8	0.1	27.0	Mar 14 at hr 22	27	W	16.4	Mar 14	100.0	100.0
WDV (sector)	-	-	-	-	-	-	168 (SSE)	-	-	-	-	-	-	-	100.0	100.0

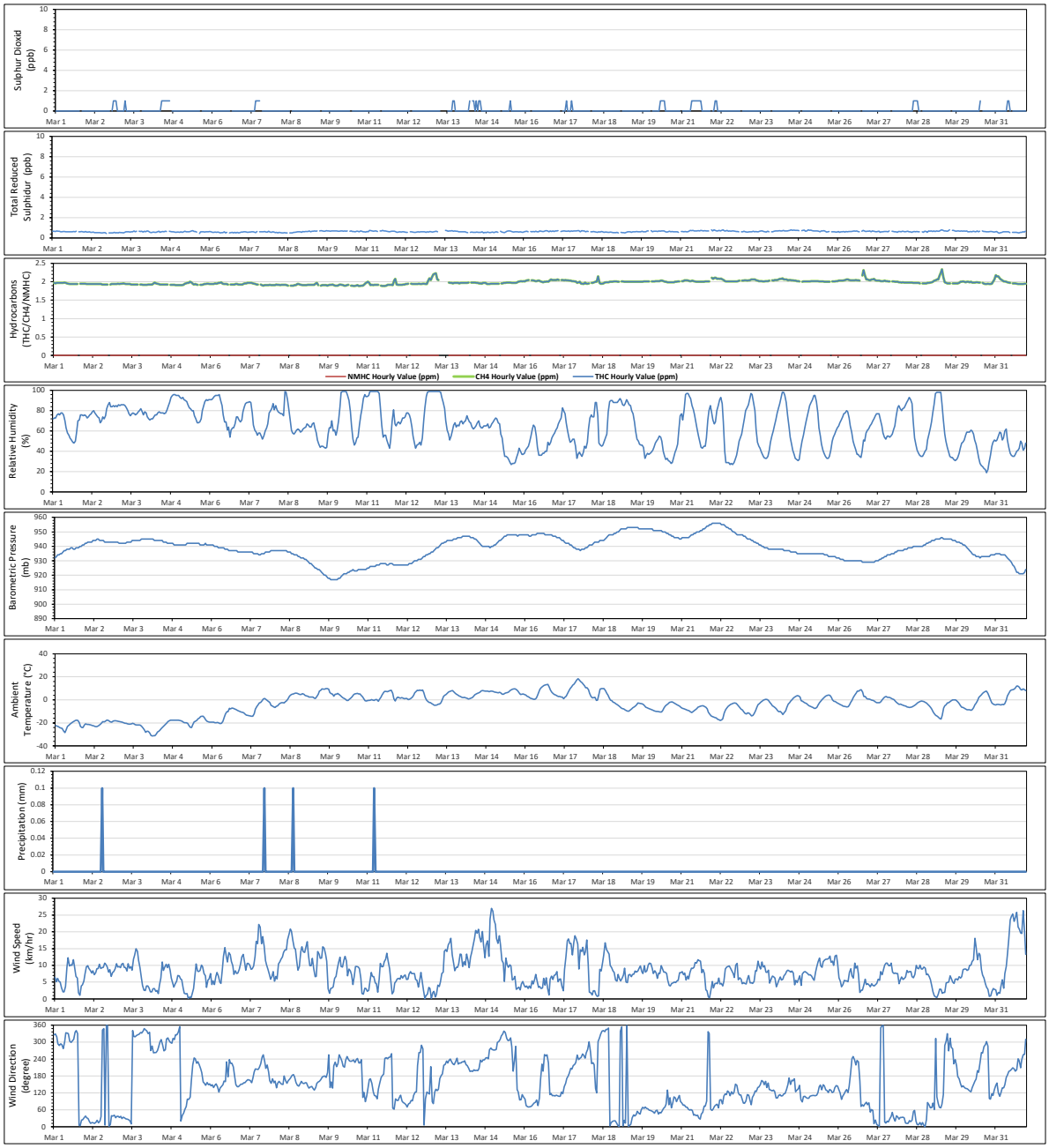
1- Date/ Time given is the first minimum and maximum value that was recorded

* Data represents the total (sum) for the indicated time frame

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

The measured ambient air quality was within the AAAQOs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Mar 2024 - 842-B Station



Reno-B Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43iQTL #12101910505	• A successful monthly calibration was performed on March 20. • Hourly data collected on March 29 hour 12 was lost due to intermittent polling errors.
TRS Thermo 43iQTL #12101910504 **TRS Convertor** CD Nova CDN-101 #590	• A successful monthly calibration was performed on March 20. • Hourly data collected on March 29 hour 12 was lost due to intermittent polling errors.
THC/CH4/NMHC Thermo 55i #12101910497 H2 Generator HG300 #210467069	• A successful monthly calibration was performed on March 20. • Following the March 20 calibration, bad injections were noted. Although a repeat calibration completed on March 21 showed no issues, injection problems persisted into March 22. The problem was tracked to an issue with the N2 gas pressure. Both N2 and H2 gas pressures were adjusted, and a post-repair calibration was completed on March 22. One-minute data collected between March 20 and March 22 were reviewed, and any data compromised by this issue were discarded. Hourly data were recalculated using the revised one-minute dataset. Hourly data collected on March 22 at hours 7, 10 and 11 were invalidated due to this issue. • Hourly data collected on March 29 hour 12 was lost due to intermittent polling errors.
RH Rotronic HC2-S3 #20467597	• The RH probe was checked on March 20. The probe passed the check requirements. • One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
BP MetOne 092 #A17940	• The BP sensor was checked on March 20. The sensor passed the check requirements. • One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
AT Rotronic HC2-S3 #20467597	• The AT probe was checked on March 20. The probe passed the check requirements. • One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.

Parameter	Equipment Operational Summary
ST COMET #NA	• No operational issues were noted.
Precipitation RM Young 52202 #TB 15877	• As ambient temperatures improved to the instrument's operational ranges, an audit of the precipitation gauge was performed to restart the monitoring program on March 20. Data collected between March 1 and March 19 were included in this report for reference. • One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
WS/ WD RM Young 05305AQ #174795	• Wind direction data contained in this report represents where the wind is coming from. • The annual wind system calibration was completed on August 1, 2023. • The anemometer sensors were check on March 15. The wind sensors passed the check requirements. • One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.

Monitored Data Summary for Reno-B Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	1	Mar 1 at hr 18	6.1	N	0.4	Mar 12	99.9	95.0
TRS (ppb)	-	-	-	-	-	-	0.31	0.20	0.60	Mar 5 at hr 9	1.2	SSW	0.36	Mar 13	99.9	95.0
THC (ppm)	-	-	-	-	-	-	1.99	1.91	2.31	Mar 12 at hr 23	1.6	NE	2.04	Mar 21	98.4	93.5
CH4 (ppm)	-	-	-	-	-	-	1.99	1.91	2.31	Mar 12 at hr 23	1.6	NE	2.04	Mar 21	98.4	93.5
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Mar 1 at hr 0	19.9	NNW	0.00	Mar 1	98.4	93.5
RH (%)	-	-	-	-	-	-	65.3	20	100	Mar 11 at hr 1	5.1	S	79.2	Mar 13	99.9	99.9
BP (millibar)	-	-	-	-	-	-	939	917	955	Mar 21 at hr 23	6.9	ESE	951	Mar 19	99.9	99.9
Ext. Temp. (°C)	-	-	-	-	-	-	-4.4	-30.2	18.7	Mar 17 at hr 16	15	WSW	8.2	Mar 17	99.9	99.9
Stn. Temp. (°C)	-	-	-	-	-	-	22.8	21.6	23.8	Mar 1 at hr 3	7.4	WNW	23.4	Mar 4	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	0.0	0.0	0.0	Mar 1 at hr 0	19.9	NNW	0.0	Mar 1	99.9	99.9
WSV (km/hr)	-	-	-	-	-	-	3.8	0.4	41.8	Mar 14 at hr 22	41.8	W	20.2	Mar 31	99.9	99.9
WDV (sector)	-	-	-	-	-	-	145 (SE)	-	-	-	-	-	-	-	99.9	99.9

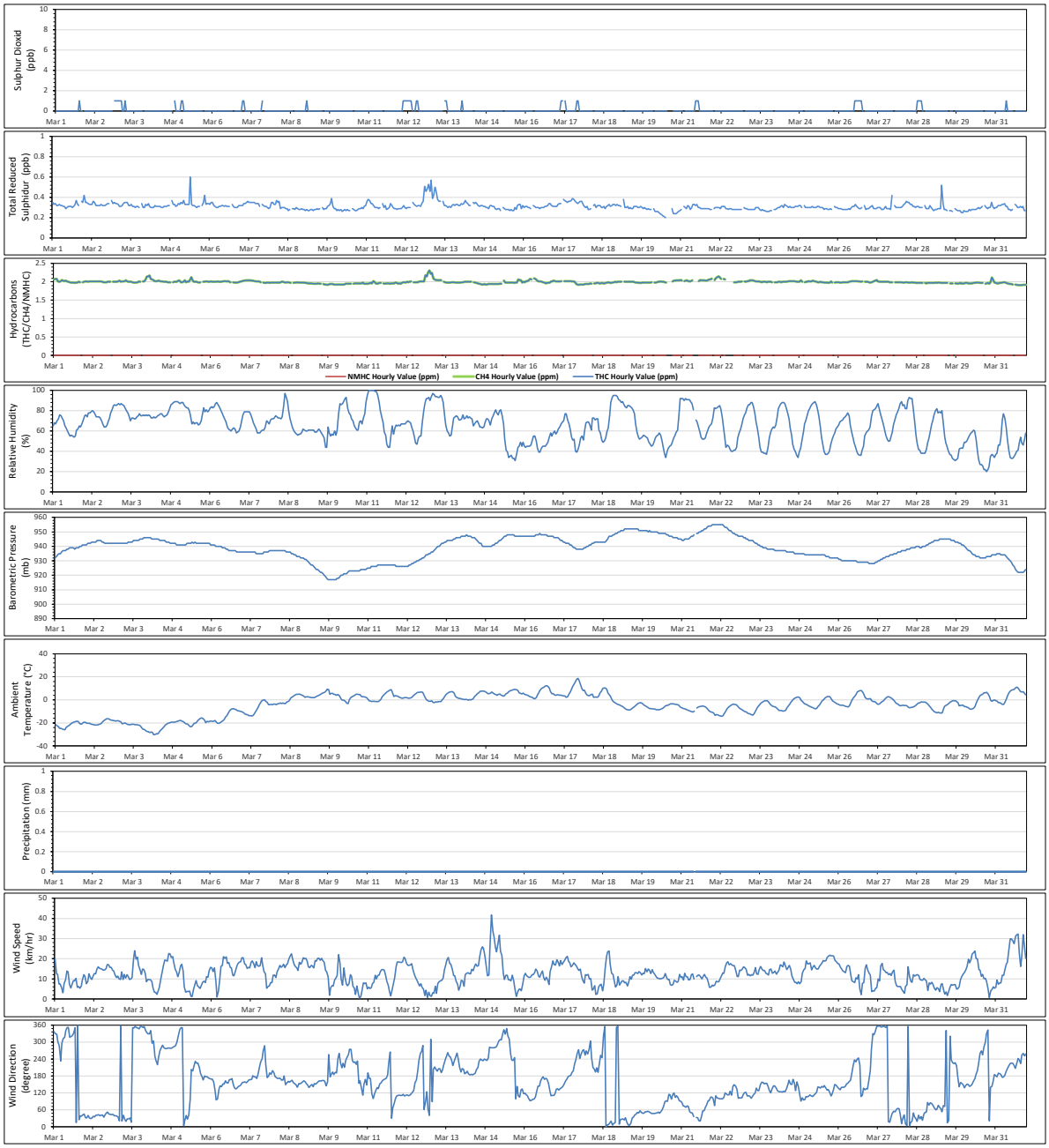
1- Date/ Time given is the first minimum and maximum value that was recorded

* Data represents the total (sum) for the indicated time frame

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

The measured ambient air quality was within the AAAQOs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Mar 2024 - Reno-B Station



PRC Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43i #1034746225	• A successful monthly calibration was performed on March 14. • No operational issues were noted.
H2S Thermo 450i #1308857354	• A successful monthly calibration was performed on March 14. • No operational issues were noted.
TRS Thermo 450i #1034746224 TRS Convertor CD Nova CDN-101 #516	• A successful monthly calibration was performed on March 14. • No operational issues were noted.
THC/CH4/NMHC Thermo 55i #1034745845 H2 Generator HG300 #211067076	• A successful monthly calibration was performed on March 14. • No operational issues were noted.
RH Rotronic HC2-S3 #20558318	• The RH sensor was checked on March 14. The sensor passed the check requirements. • No operational issues were noted.
BP MetOne 092 #B19577	• The BP sensor was checked on March 14. The sensor passed the check requirements. • No operational issues were noted.

Parameter	Equipment Operational Summary
AT Rotronic HC2-S3 #20558318	• The AT sensor was checked on March 14. The sensor passed the check requirements. • No operational issues were noted.
ST Canadian Natural #NA	• No operational issues were noted.
WS/ WD RM Young 05305VK #129612	• Wind direction data contained in this report represents where the wind is coming from. • The annual wind system calibration was completed on August 3, 2023. • The anemometer sensors were checked on March 14. The sensors passed the check requirements. • No operational issues were noted.

Monitored Data Summary for Peace River Complex (PRC) Station

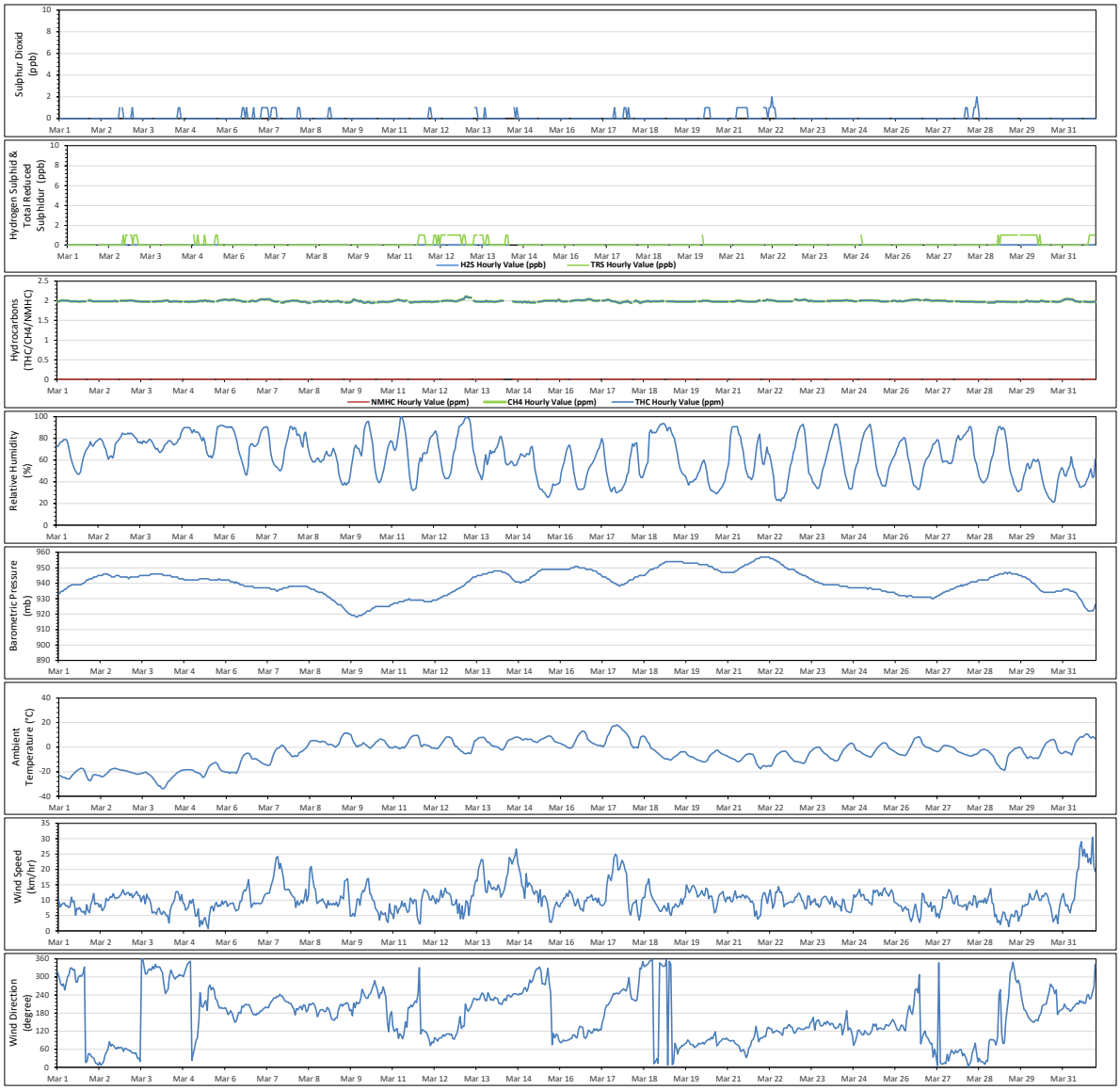
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	2	Mar 22 at hr 7	10.1	SE	0.4	Mar 22	100.0	95.0
H2S (ppb)	10	3	-	0	0	-	0.0	0	0	Mar 1 at hr 0	9.7	NW	0.0	Mar 1	100.0	95.0
TRS (ppb)	-	-	-	-	-	-	0.1	0	1	Mar 2 at hr 16	10.9	ENE	0.9	Mar 29	100.0	95.0
THC (ppm)	-	-	-	-	-	-	1.99	1.94	2.11	Mar 13 at hr 4	9.8	SSW	2.02	Mar 13	100.0	95.0
CH4 (ppm)	-	-	-	-	-	-	1.99	1.94	2.11	Mar 13 at hr 4	9.8	SSW	2.02	Mar 13	100.0	95.0
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Mar 1 at hr 0	9.7	NW	0.00	Mar 1	100.0	95.0
RH (%)	-	-	-	-	-	-	62.7	21	100	Mar 11 at hr 6	9.6	ESE	80.0	Mar 5	100.0	100.0
BP (millibar)	-	-	-	-	-	-	940	918	957	Mar 21 at hr 23	5	E	954	Mar 19	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-4.8	-33.7	18.1	Mar 17 at hr 16	24.3	WSW	9.7	Mar 17	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.0	21.0	25.6	Mar 16 at hr 18	9.6	E	23.7	Mar 17	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	2.6	0.8	30.5	Mar 31 at hr 21	30.5	WSW	17.9	Mar 31	100.0	100.0
WDV (sector)	-	-	-	-	-	-	169 (SSE)	-	-	-	-	-	-	-	100.0	100.0

1- Date/ Time given is the first minimum and maximum value that was recorded

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

The measured ambient air quality was within the AAAQOs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Mar 2024 - Peace River Complex (PRC) Station



AQHI – Grimshaw Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Teledyne T100 #722	• A successful monthly calibration was performed on March 5. • Two hours of downtime were recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
TRS Teledyne T100U #132 TRS Convertor CD Nova CDN-101 #576	• A successful monthly calibration was performed on March 15. • One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
NOx/NO/NO2 Teledyne T200 #837	• A successful monthly calibration was performed on March 5. • Two hours of downtime were recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
O3 Teledyne T400 #824	• A successful monthly calibration was performed on March 5. • Two hours of downtime were recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
THC/CH4/NMHC Thermo 55i #1191032505 H2 Generator HG300 #190567059	• A successful monthly calibration was performed on March 5. • Two hours of downtime were recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
PM2.5 Teledyne T640 #318	• A successful monthly audit was performed on March 5. • Two hours of downtime were recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.

Parameter	Equipment Operational Summary
RH Vaisala HMP155 #N2910506	• The RH probe was checked on March 5. The Probe passed the check requirements. • Two hours of downtime were recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
BP MetOne 092 #A2397	• The BP sensor was checked on March 5. The sensor passed the check requirements. • Two hours of downtime were recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
AT Vaisala HMP155 #N2910506	• The AT prober was checked on March 5. The probe passed the check requirements. • Two hours of downtime were recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
ST COMET #NA	• One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
WS/ WD RM Young 05305AQ #174801	• Wind direction data contained in this report represents where the wind is coming from. • The last annual wind system calibration was completed on August 2, 2023. • The anemometer sensors were check on March 5. Both the wind speed sensor and wind direction sensor passed the check requirements. • Two hours of downtime were recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.

Monitored Data Summary for AQHI - Grimshaw Station

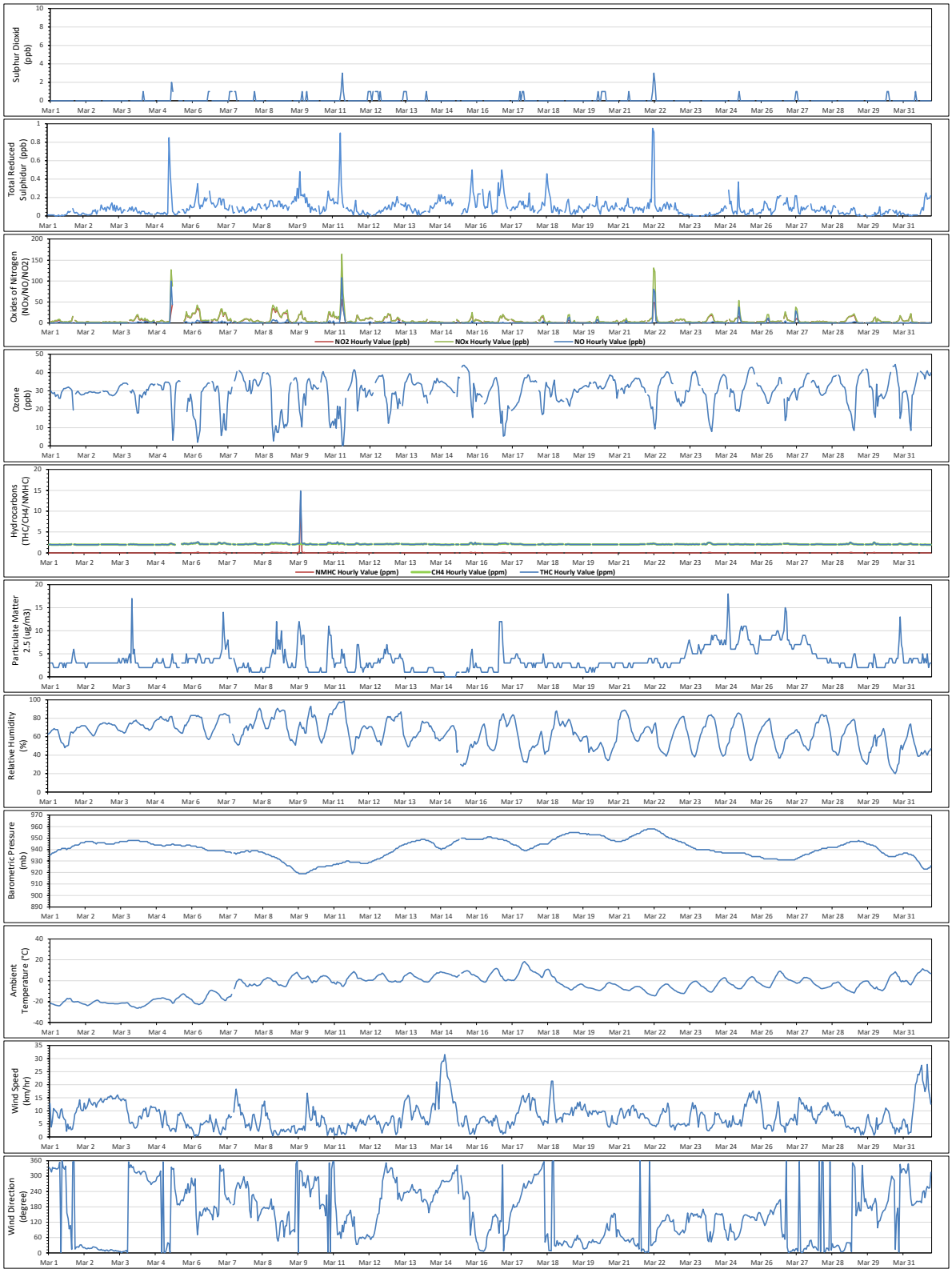
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	3	Mar 11 at hr 6	1.1	ENE	0.3	Mar 12	99.7	94.9
TRS (ppb)	-	-	-	-	-	-	0.09	0.00	0.95	Mar 22 at hr 5	4.4	NE	0.18	Mar 16	99.9	94.9
NOx (ppb)	-	-	-	-	-	-	7.3	0	164	Mar 11 at hr 6	1.1	ENE	20.6	Mar 11	99.7	94.5
NO (ppb)	-	-	-	-	-	-	1.5	0	108	Mar 11 at hr 6	1.1	ENE	8.6	Mar 11	99.7	94.5
NO2 (ppb)	159	-	-	0	-	-	5.8	0	56	Mar 11 at hr 6	1.1	ENE	14.1	Mar 9	99.7	94.5
O3 (ppb)	76	-	-	0	-	-	29.6	0.0	44.4	Mar 30 at hr 17	1.2	NNE	33.9	Mar 20	99.7	94.9
THC (ppm)	-	-	-	-	-	-	2.10	1.96	14.83	Mar 9 at hr 20	3.2	NW	2.78	Mar 9	99.7	94.9
CH4 (ppm)	-	-	-	-	-	-	2.07	1.96	2.48	Mar 11 at hr 3	3.1	ENE	2.18	Mar 6	99.7	94.9
NMHC (ppm)	-	-	-	-	-	-	0.03	0.00	12.69	Mar 9 at hr 20	3.2	NW	0.61	Mar 9	99.7	94.9
PM2.5 (µg/m3)	80	29	-	0	0	-	3.7	0	18	Mar 24 at hr 20	3.6	NE	9.0	Mar 26	99.7	99.6
RH (%)	-	-	-	-	-	-	63.9	20	99	Mar 11 at hr 9	0.9	ESE	77.1	Mar 8	99.7	99.7
BP (millibar)	-	-	-	-	-	-	941	919	958	Mar 22 at hr 0	7.1	N	954	Mar 19	99.7	99.7
Ext. Temp. (°C)	-	-	-	-	-	-	-4.5	-26.3	18.4	Mar 17 at hr 16	13.6	W	7.6	Mar 17	99.7	99.7
Stn. Temp. (°C)	-	-	-	-	-	-	22.3	20.2	31.7	Mar 18 at hr 13	11.9	N	24.8	Mar 18	99.9	99.9
WSV (km/hr)	-	-	-	-	-	-	7.8	0.0	31.6	Mar 14 at hr 21	31.6	W	14.8	Mar 14	99.7	99.7
WDV (sector)	-	-	-	-	-	-	47 (NE)	-	-	-	-	-	-	-	99.7	99.7

1- Date/ Time given is the first minimum and maximum value that was recorded

Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

The measured ambient air quality was within the AAAQOs and/or AAAQGs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Mar 2024 - AQHI - Grimshaw Station



TABLES, CHARTS AND WIND ROSES

986-C STATION

Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

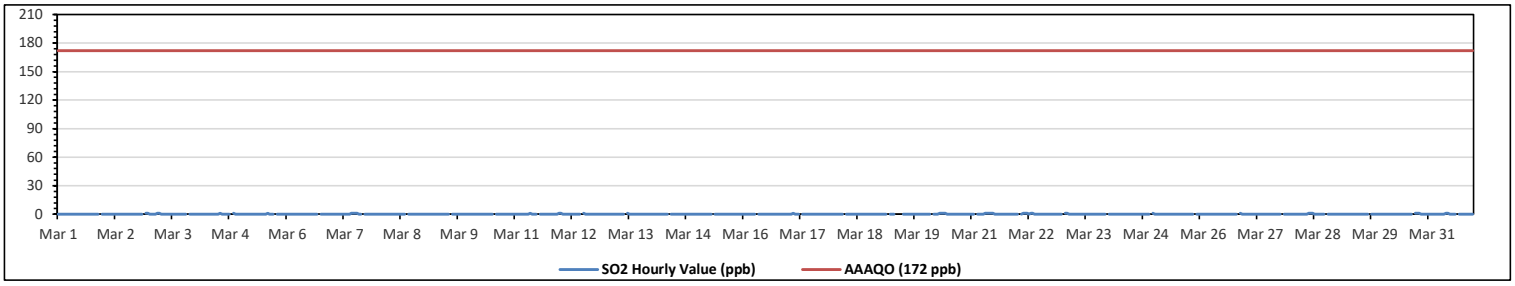
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

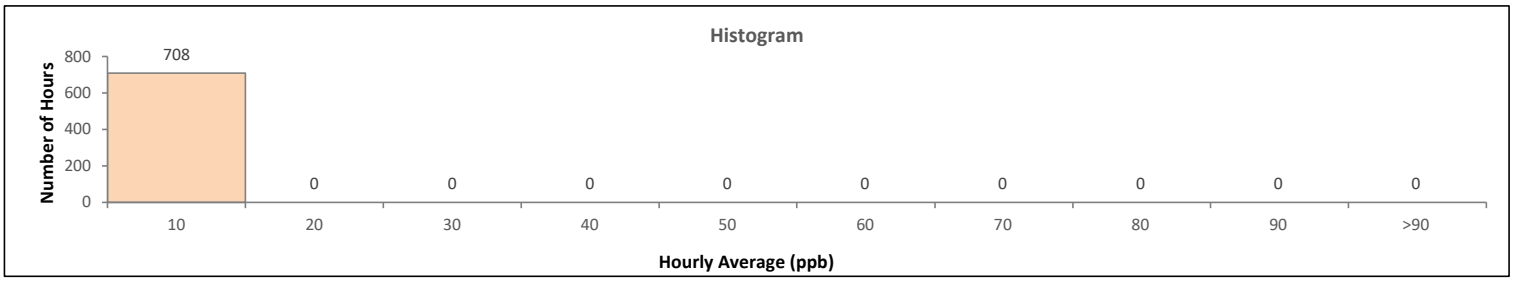
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on Mar 2 at hr 22	Hours in Service:	744	
Maximum Daily Value:	0.2	ppb	on Mar 21	Hours of Data:	708	
Minimum Hourly Value:	0	ppb	on Mar 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Mar 1	Hours of Calibration:	36	
Monthly Average:	0.1	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Mar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	1	0	1	0.1
Mar 3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0.1
Mar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	S	1	0	0	0	0	1	0.1
Mar 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	S	0	0	0	0	0	0	1	0.0
Mar 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Mar 7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	S	0	0	0	0	0	0	0	0	1	0.2
Mar 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Mar 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 11	0	0	0	0	0	0	0	0	1	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0	1	0.1
Mar 12	1	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 13	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Mar 14	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 15	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 16	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 17	0	0	1	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Mar 18	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 19	0	0	0	0	S	0	0	0	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 20	0	0	0	S	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
Mar 21	0	0	S	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	**0.2**
Mar 22	0	S	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	**0.2**
Mar 23	S	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0.1
Mar 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	1	0.0
Mar 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Mar 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	1	0.0
Mar 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Mar 28	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0.1
Mar 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Mar 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	1	1	0	0	0	0	0	1	0.1
Mar 31	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	S	0	0	0	0	0	0	0	0	0	1	0.1
Diurnal Maximum	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1			
Diurnal Average	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



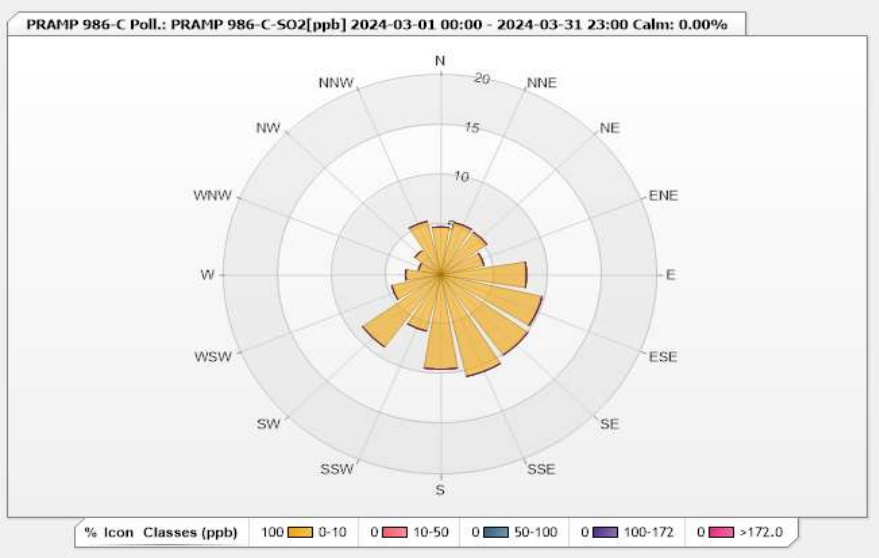


Station: PRAMP 986-C Poll.: PRAMP 986-C-SO2[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.16% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	4.8	0	0	0	0	4.8
NNE	5.37	0	0	0	0	5.37
NE	5.23	0	0	0	0	5.23
ENE	4.1	0	0	0	0	4.1
E	7.91	0	0	0	0	7.91
ESE	9.6	0	0	0	0	9.6
SE	9.89	0	0	0	0	9.89
SSE	10.45	0	0	0	0	10.45
S	9.46	0	0	0	0	9.46
SSW	5.79	0	0	0	0	5.79
SW	8.9	0	0	0	0	8.9
WSW	4.66	0	0	0	0	4.66
W	3.25	0	0	0	0	3.25
WNW	2.12	0	0	0	0	2.12
NW	2.97	0	0	0	0	2.97
NNW	5.51	0	0	0	0	5.51
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

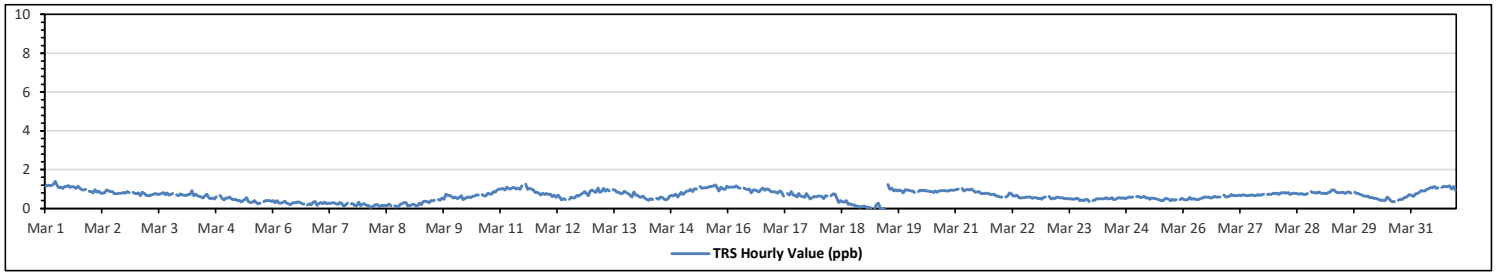
TOTAL REDUCED SULPHUR (TRS) in ppb

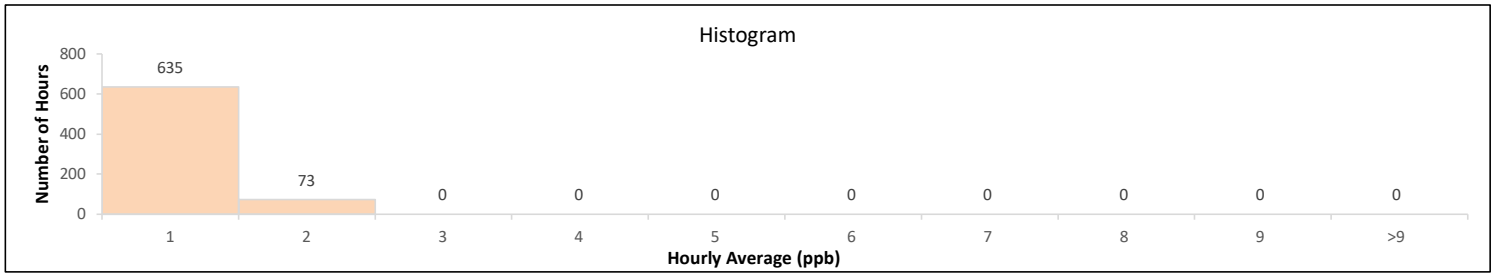
Maximum Hourly Value:	1.40	ppb	on Mar 1 at hr 5	Hours in Service:	744
Maximum Daily Value:	1.11	ppb	on Mar 1	Hours of Data:	708
Minimum Hourly Value:	0.03	ppb	on Mar 19 at hr 3	Hours of Missing Data:	0
Minimum Daily Value:	0.17	ppb	on Mar 8	Hours of Calibration:	36
Monthly Average:	0.66	ppb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	1.13	1.20	1.18	1.18	1.24	**1.40**	1.19	1.07	1.10	1.03	1.14	1.14	1.18	1.09	1.14	1.10	1.03	1.15	1.05	0.97	0.94	0.98	S	0.88	0.88	1.40	**1.11**
Mar 2	0.87	0.80	0.97	0.84	0.88	0.79	0.79	0.80	0.95	0.92	0.87	0.87	0.78	0.75	0.77	0.79	0.79	0.82	0.79	0.87	0.82	S	0.83	0.78	0.75	0.97	0.83
Mar 3	0.78	0.80	0.65	0.84	0.76	0.67	0.66	0.67	0.70	0.74	0.77	0.73	0.74	0.77	0.82	0.70	0.80	0.69	0.71	0.76	S	0.70	0.66	0.75	0.65	0.84	0.73
Mar 4	0.69	0.69	0.66	0.72	0.72	0.92	0.66	0.74	0.66	0.62	0.59	0.54	0.66	0.74	0.54	0.50	0.54	0.49	0.61	S	0.67	0.51	0.44	0.54	0.44	0.92	0.63
Mar 5	0.53	0.60	0.49	0.45	0.48	0.41	0.43	0.34	0.41	0.48	0.56	0.34	0.31	0.32	0.41	0.31	0.25	0.27	S	0.35	0.42	0.40	0.40	0.35	0.25	0.60	0.40
Mar 6	0.40	0.29	0.42	0.28	0.27	0.30	0.38	0.28	0.25	0.19	0.27	0.31	0.29	0.34	0.30	0.25	0.22	S	0.17	0.24	0.19	0.33	0.35	0.16	0.16	0.42	0.28
Mar 7	0.26	0.31	0.24	0.33	0.24	0.28	0.26	0.29	0.29	0.24	0.21	0.30	0.26	0.13	0.16	0.28	S	0.24	0.23	0.14	0.15	0.33	0.15	0.22	0.13	0.33	0.24
Mar 8	0.23	0.16	0.16	0.07	0.08	0.15	0.18	0.19	0.09	0.16	0.14	0.16	0.15	0.22	0.15	S	0.15	0.08	0.11	0.22	0.24	0.31	0.31	0.11	0.07	0.31	**0.17**
Mar 9	0.16	0.19	0.22	0.14	0.13	0.27	0.19	0.35	0.37	0.35	0.29	0.40	0.39	0.43	S	0.46	0.43	0.53	0.48	0.74	0.67	0.67	0.61	0.54	0.13	0.74	0.39
Mar 10	0.60	0.50	0.57	0.65	0.45	0.51	0.57	0.58	0.55	0.62	0.64	0.70	0.69	S	0.71	0.65	0.64	0.79	0.74	0.74	0.87	0.83	0.94	1.00	0.45	1.00	0.68
Mar 11	1.00	1.04	0.94	1.10	1.02	1.01	1.07	1.09	1.01	1.05	0.98	1.16	S	1.24	0.98	1.03	1.01	0.97	0.82	0.84	0.77	0.69	0.79	0.73	0.69	1.24	0.97
Mar 12	0.77	0.72	0.74	0.61	0.69	0.57	0.68	0.57	0.44	0.50	0.45	S	0.47	0.59	0.53	0.55	0.67	0.64	0.72	0.79	0.87	0.77	0.66	0.88	0.44	0.88	0.65
Mar 13	0.96	0.88	0.81	1.05	0.83	0.87	1.03	0.88	0.98	0.91	S	0.97	0.94	0.84	0.84	0.76	0.76	0.88	0.82	0.77	0.68	0.60	0.85	0.68	0.60	1.05	0.85
Mar 14	0.67	0.58	0.57	0.64	0.51	0.46	0.43	0.51	0.45	S	0.52	0.48	0.59	0.57	0.47	0.44	0.51	0.64	0.67	0.66	0.74	0.58	0.68	0.84	0.43	0.84	0.57
Mar 15	0.73	0.81	0.89	0.89	0.98	0.87	1.02	1.01	S	1.12	1.03	1.07	1.06	1.09	1.14	1.12	1.16	1.22	1.05	0.90	1.10	1.00	0.98	1.15	0.73	1.22	1.02
Mar 16	1.08	1.10	1.10	1.10	1.17	1.09	1.03	S	1.05	0.99	0.97	0.99	0.80	0.95	0.94	0.90	0.86	0.97	1.05	0.93	0.99	1.01	0.88	0.85	0.80	1.17	0.99
Mar 17	0.87	0.81	0.79	0.91	0.83	0.64	S	0.76	0.69	0.87	0.69	0.67	0.58	0.76	0.64	0.61	0.57	0.76	0.63	0.49	0.55	0.62	0.60	0.64	0.49	0.91	0.69
Mar 18	0.64	0.62	0.51	0.65	0.63	S	0.65	0.75	0.74	0.54	0.30	0.40	0.34	0.32	0.41	0.21	0.25	0.17	0.19	0.11	0.13	0.07	0.09	0.10	0.07	0.75	0.38
Mar 19	0.10	0.04	0.05	**0.03**	S	0.03	0.18	0.27	C	C	C	C	1.23	0.98	1.05	0.90	0.97	0.89	0.94	0.89	0.80	0.97	0.94	0.93	0.03	1.23	0.64
Mar 20	0.91	0.89	0.82	S	0.87	0.95	0.90	0.95	0.89	0.89	0.87	0.87	0.81	0.89	0.84	0.91	0.92	0.92	0.92	0.89	0.91	0.96	0.93	0.96	0.81	0.96	0.90
Mar 21	0.97	1.00	S	1.03	0.90	0.94	0.98	0.94	0.99	0.92	0.84	0.86	0.87	0.78	0.76	0.78	0.79	0.78	0.71	0.72	0.74	0.63	0.64	0.59	0.59	1.03	0.83
Mar 22	0.60	S	0.59	0.64	0.80	0.75	0.63	0.63	0.68	0.55	0.54	0.55	0.56	0.58	0.59	0.58	0.52	0.56	0.56	0.50	0.52	0.48	0.57	0.59	0.48	0.80	0.59
Mar 23	S	0.62	0.49	0.53	0.51	0.58	0.57	0.53	0.56	0.50	0.51	0.51	0.49	0.49	0.48	0.51	0.52	0.41	0.44	0.39	0.45	0.48	0.36	S	0.36	0.62	0.50
Mar 24	0.42	0.43	0.51	0.49	0.50	0.49	0.51	0.56	0.49	0.50	0.56	0.45	0.48	0.54	0.56	0.52	0.56	0.51	0.54	0.60	0.57	0.59	S	0.61	0.42	0.61	0.52
Mar 25	0.62	0.55	0.57	0.62	0.54	0.56	0.47	0.54	0.52	0.51	0.47	0.44	0.42	0.41	0.51	0.51	0.47	0.39	0.47	0.43	0.45	S	0.45	0.52	0.39	0.62	0.50
Mar 26	0.45	0.44	0.45	0.57	0.47	0.50	0.47	0.46	0.48	0.52	0.53	0.61	0.57	0.60	0.54	0.56	0.62	0.58	0.59	0.58	S	0.68	0.60	0.61	0.44	0.68	0.54
Mar 27	0.63	0.72	0.65	0.67	0.66	0.69	0.66	0.70	0.69	0.66	0.67	0.67	0.70	0.66	0.67	0.71	0.67	0.70	0.74	S	0.73	0.74	0.73	0.79	0.63	0.79	0.69
Mar 28	0.76	0.79	0.73	0.80	0.80	0.81	0.79	0.82	0.73	0.78	0.79	0.78	0.75	0.74	0.77	0.71	0.72	0.77	S	0.87	0.81	0.81	0.79	0.85	0.71	0.87	0.78
Mar 29	0.80	0.78	0.79	0.75	0.82	0.83	0.94	0.95	0.85	0.80	0.82	0.82	0.84	0.78	0.84	0.86	0.79	S	0.83	0.76	0.76	0.72	0.69	0.63	0.63	0.95	0.80
Mar 30	0.62	0.64	0.56	0.57	0.52	0.52	0.49	0.45	0.41	0.43	0.41	0.60	0.52	0.41	0.34	0.35	S	0.43	0.47	0.46	0.56	0.57	0.64	0.72	0.34	0.72	0.51
Mar 31	0.67	0.62	0.75	0.76	0.82	0.92	0.90	0.91	0.98	1.02	1.08	1.07	1.12	1.04	1.06	S	1.09	1.15	1.11	1.12	1.16	1.01	1.12	0.95	0.62	1.16	0.98
Diurnal Maximum	1.13	1.20	1.18	1.18	1.24	1.40	1.19	1.09	1.10	1.12	1.14	1.16	1.23	1.24	1.14	1.12	1.16	1.22	1.11	1.12	1.16	1.01	1.12	1.15			
Diurnal Average	0.66	0.65	0.63	0.66	0.67	0.66	0.66	0.65	0.66	0.67	0.64	0.67	0.65	0.67	0.67	0.64	0.66	0.67	0.66	0.65	0.66	0.66	0.64	0.67			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



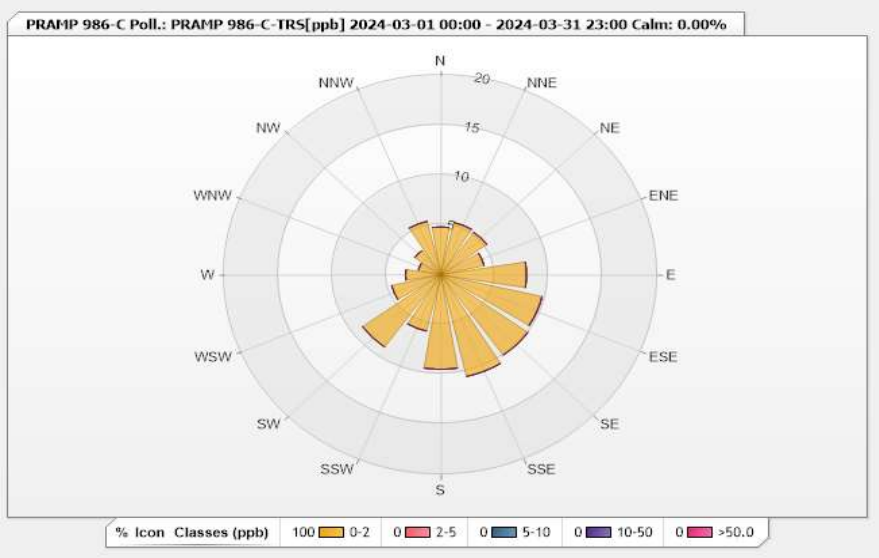


Station: PRAMP 986-C Poll.: PRAMP 986-C-TRS[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.16% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	4.8	0	0	0	0	4.8
NNE	5.37	0	0	0	0	5.37
NE	5.23	0	0	0	0	5.23
ENE	4.1	0	0	0	0	4.1
E	7.91	0	0	0	0	7.91
ESE	9.6	0	0	0	0	9.6
SE	9.89	0	0	0	0	9.89
SSE	10.45	0	0	0	0	10.45
S	9.46	0	0	0	0	9.46
SSW	5.79	0	0	0	0	5.79
SW	8.9	0	0	0	0	8.9
WSW	4.66	0	0	0	0	4.66
W	3.25	0	0	0	0	3.25
WNW	2.12	0	0	0	0	2.12
NW	2.97	0	0	0	0	2.97
NNW	5.51	0	0	0	0	5.51
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

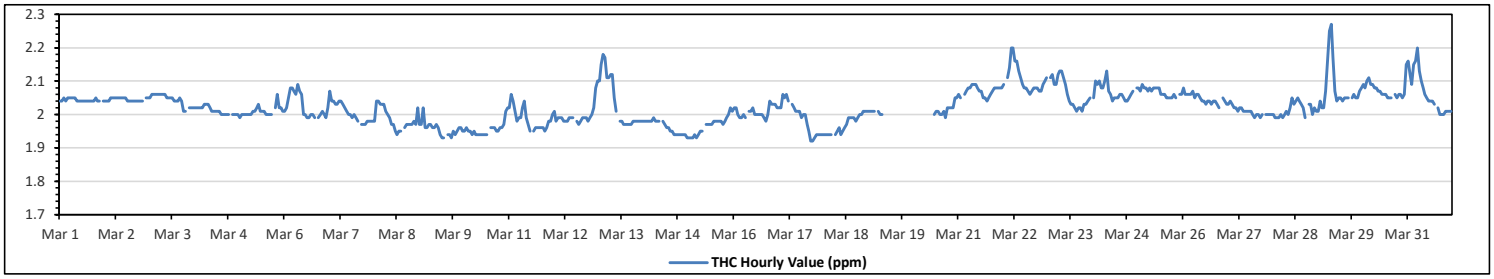
TOTAL HYDROCARBONS (THC) in ppm

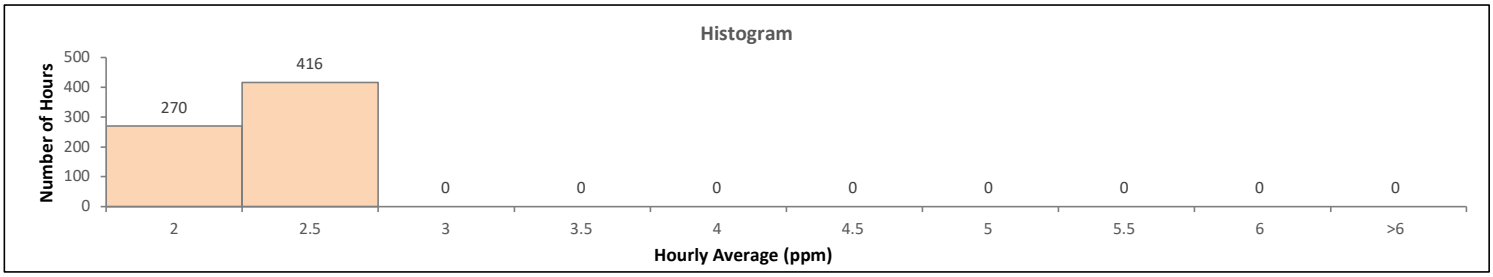
Maximum Hourly Value:	2.27	ppm	on Mar 29 at hr 7	Hours in Service:	744
Maximum Daily Value:	2.11	ppm	on Mar 22	Hours of Data:	686
Minimum Hourly Value:	1.92	ppm	on Mar 17 at hr 17	Hours of Missing Data:	17
Minimum Daily Value:	1.96	ppm	on Mar 10	Hours of Calibration:	41
Monthly Average:	2.02	ppm		Operational Uptime:	97.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	2.04	2.04	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.04	2.04	S	2.04	2.04	2.05	2.04
Mar 2	2.04	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	S	2.05	2.05	2.04	2.05	2.04
Mar 3	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.05	2.04	2.01	2.01	S	2.02	2.02	2.02	2.01	2.06	2.04
Mar 4	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	S	2.00	2.00	2.00	2.00	2.00	2.03	2.01
Mar 5	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.03	2.01	2.01	2.01	2.00	2.00	2.00	2.00	S	2.02	2.06	2.02	2.02	2.01	1.99	2.06	2.01
Mar 6	2.01	2.02	2.05	2.08	2.08	2.07	2.06	2.09	2.07	2.06	2.00	2.00	1.99	1.99	2.00	2.00	1.99	S	1.99	2.00	2.01	2.00	1.99	2.02	1.99	2.09	2.02
Mar 7	2.07	2.04	2.04	2.03	2.03	2.04	2.04	2.03	2.02	2.01	2.00	2.00	1.99	2.00	1.99	1.98	S	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.97	2.07	2.01
Mar 8	1.98	2.04	2.04	2.03	2.03	2.03	2.01	2.00	1.99	1.97	1.97	1.95	1.94	1.95	1.95	S	1.96	1.97	1.97	1.97	1.97	1.98	1.97	2.02	1.94	2.04	1.99
Mar 9	1.97	1.97	2.02	1.96	1.96	1.97	1.97	1.96	1.96	1.97	1.96	1.94	1.93	1.93	S	1.94	1.94	1.93	1.95	1.94	1.95	1.96	1.96	1.95	1.93	2.02	1.96
Mar 10	1.95	1.96	1.95	1.95	1.94	1.95	1.94	1.94	1.94	1.94	1.94	1.94	S	1.96	1.96	1.96	1.95	1.95	1.96	1.96	1.97	2.01	2.02	1.94	2.02	1.96
Mar 11	2.02	2.06	2.04	2.01	1.98	1.99	1.99	2.02	2.04	1.99	1.97	1.95	S	1.95	1.96	1.96	1.96	1.96	1.96	1.95	1.96	1.98	1.98	2.00	1.95	2.06	1.99
Mar 12	2.01	1.98	1.99	1.99	1.99	1.98	1.98	1.98	1.99	1.99	1.99	S	1.98	1.97	1.98	1.99	1.99	1.99	1.98	1.99	2.00	2.02	2.08	2.10	1.97	2.10	2.00
Mar 13	2.10	2.15	2.18	2.17	2.11	2.11	2.12	2.12	2.05	2.01	S	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.97	2.18	2.04
Mar 14	1.98	1.98	1.98	1.98	1.98	1.99	1.98	1.98	1.98	S	1.98	1.97	1.96	1.96	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.99	1.96
Mar 15	1.93	1.93	1.93	1.94	1.93	1.94	1.95	1.95	S	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.99	2.00	2.02	2.01	1.93	2.02	1.97
Mar 16	2.02	2.02	2.00	1.99	1.99	2.00	1.99	S	2.01	2.01	2.02	2.00	2.00	2.00	2.00	2.00	1.99	1.98	2.00	2.04	2.03	2.03	2.03	2.02	1.98	2.04	2.01
Mar 17	2.02	2.02	2.06	2.05	2.06	2.04	S	2.03	2.02	2.01	2.01	2.01	1.99	2.00	2.00	1.97	1.95	1.92	1.92	1.93	1.94	1.94	1.94	1.94	1.92	2.06	1.99
Mar 18	1.94	1.94	1.94	1.94	1.94	S	1.94	1.95	1.96	1.94	1.95	1.96	1.97	1.99	1.99	1.99	1.99	1.98	1.99	2.00	2.00	2.01	2.01	2.01	1.94	2.01	1.97
Mar 19	2.01	2.01	2.01	2.01	S	2.01	2.00	2.00	C	C	C	C	C	C	C	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	2.00	2.01	NA
Mar 20	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	C	C	C	2.00	2.01	2.01	2.00	2.00	2.01	1.99	2.02	2.02	2.02	2.02	2.05	2.05	1.99	2.05	NA
Mar 21	2.06	2.05	S	2.06	2.07	2.08	2.08	2.09	2.09	2.09	2.08	2.07	2.07	2.05	2.05	2.04	2.05	2.06	2.07	2.08	2.08	2.08	2.08	2.08	2.04	2.09	2.07
Mar 22	2.09	S	2.11	2.14	2.20	2.20	2.16	2.16	2.13	2.11	2.09	2.08	2.08	2.07	2.06	2.07	2.08	2.08	2.08	2.07	2.07	2.09	2.10	2.11	2.06	2.20	**2.11**
Mar 23	S	2.11	2.12	2.09	2.09	2.12	2.13	2.13	2.11	2.09	2.06	2.04	2.03	2.03	2.02	2.01	2.02	2.02	2.01	2.03	2.03	2.04	2.05	S	2.01	2.13	2.06
Mar 24	2.05	2.10	2.09	2.10	2.08	2.08	2.10	2.13	2.07	2.06	2.04	2.05	2.05	2.05	2.06	2.06	2.05	2.04	2.04	2.05	2.06	2.07	S	2.08	2.04	2.13	2.07
Mar 25	2.08	2.07	2.09	2.08	2.08	2.07	2.08	2.07	2.08	2.08	2.08	2.08	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.06	2.05	S	2.06	2.06	2.05	2.09	2.07
Mar 26	2.08	2.06	2.06	2.06	2.06	2.07	2.05	2.06	2.06	2.05	2.04	2.04	2.03	2.04	2.04	2.03	2.04	2.04	2.03	2.02	S	2.05	2.04	2.03	2.02	2.08	2.05
Mar 27	2.03	2.04	2.03	2.02	2.02	2.01	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.00	1.99	2.00	2.00	1.99	2.00	S	2.00	2.00	2.00	2.00	1.99	2.04	2.01
Mar 28	2.00	1.99	1.99	1.99	2.00	1.99	2.00	2.01	2.00	2.02	2.05	2.03	2.04	2.05	2.04	2.03	2.02	1.99	S	2.03	2.03	2.00	2.02	2.01	1.99	2.05	2.01
Mar 29	2.01	2.04	2.02	2.02	2.07	2.16	2.25	**2.27**	2.17	2.07	2.04	2.05	2.05	2.04	2.05	2.05	2.05	S	2.05	2.06	2.05	2.05	2.07	2.08	2.01	**2.27**	2.08
Mar 30	2.09	2.08	2.10	2.11	2.09	2.09	2.08	2.08	2.07	2.07	2.06	2.06	2.06	2.05	2.05	2.05	S	2.06	2.05	2.06	2.06	2.05	2.06	2.15	2.05	2.15	2.07
Mar 31	2.16	2.12	2.09	2.15	2.16	2.20	2.13	2.10	2.08	2.06	2.05	2.04	2.04	2.04	2.03	S	2.02	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.00	2.20	2.07
Diurnal Maximum	2.16	2.15	2.18	2.17	2.20	2.20	2.25	2.27	2.17	2.11	2.09	2.08	2.08	2.07	2.06	2.07	2.08	2.08	2.08	2.08	2.08	2.09	2.10	2.15			
Diurnal Average	2.03	2.03	2.04	2.04	2.04	2.05	2.04	2.05	2.04	2.03	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.01	2.01	2.01	2.02	2.03			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



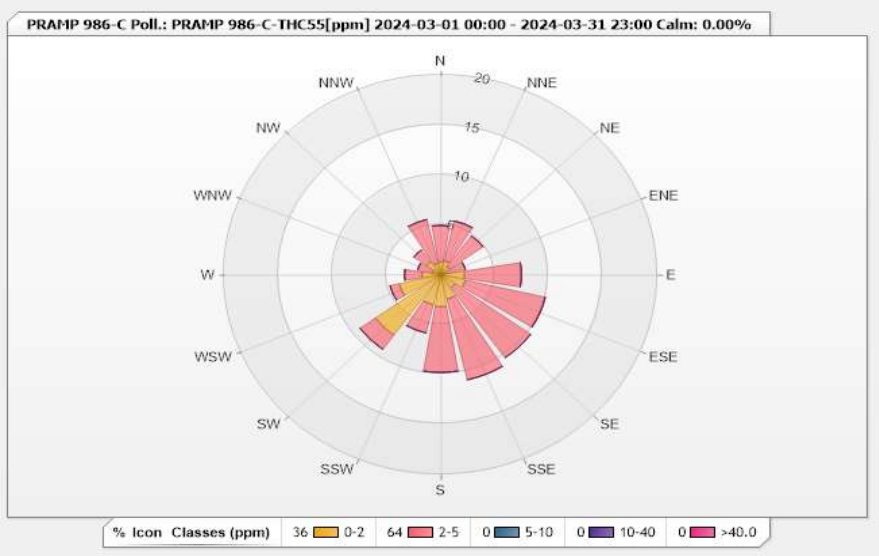


Station: PRAMP 986-C Poll.: PRAMP 986-C-THC55[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 92.20% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	1.31	3.64	0	0	0	4.95
NNE	1.46	4.08	0	0	0	5.54
NE	1.02	3.79	0	0	0	4.81
ENE	0.29	2.04	0	0	0	2.33
E	2.19	5.25	0	0	0	7.44
ESE	2.33	7.58	0	0	0	9.91
SE	1.6	8.6	0	0	0	10.2
SSE	2.48	8.31	0	0	0	10.79
S	3.21	6.56	0	0	0	9.77
SSW	3.06	2.92	0	0	0	5.98
SW	7.43	1.75	0	0	0	9.18
WSW	3.94	0.87	0	0	0	4.81
W	1.75	1.6	0	0	0	3.35
WNW	0.73	1.46	0	0	0	2.19
NW	1.6	1.46	0	0	0	3.06
NNW	1.17	4.52	0	0	0	5.69
Summary	35.57	64.43	0	0	0	100



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

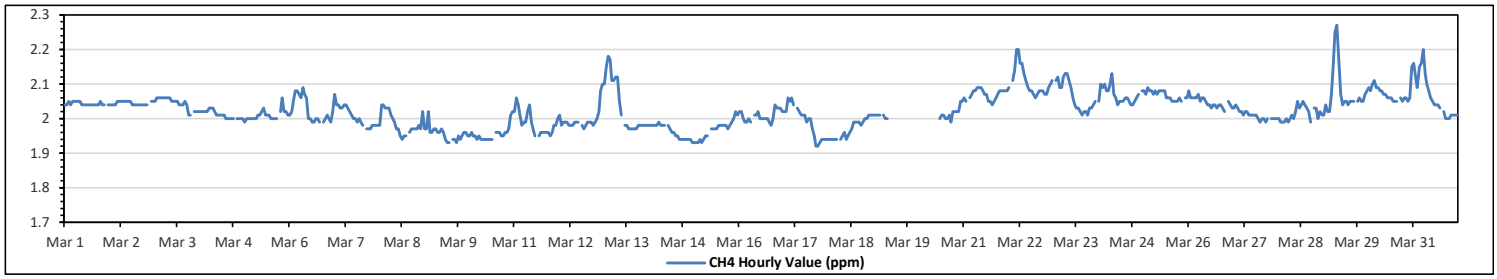
METHANE (CH4) in ppm

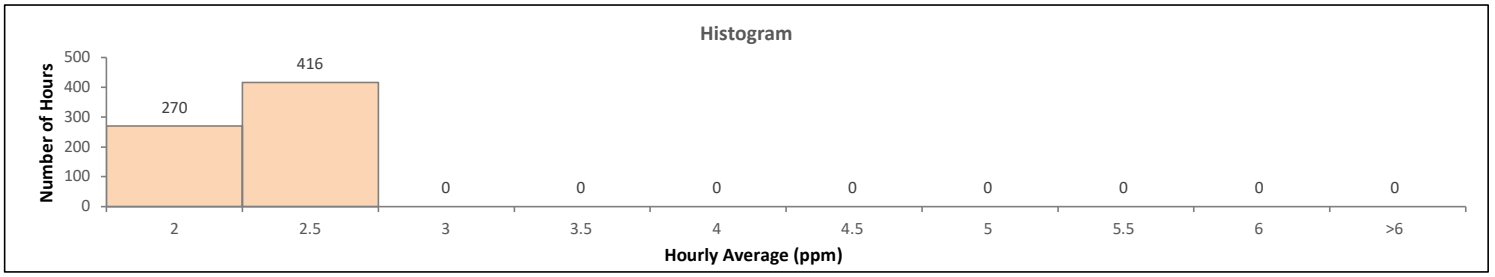
Maximum Hourly Value:	2.27	ppm	on Mar 29 at hr 7	Hours in Service:	744
Maximum Daily Value:	2.11	ppm	on Mar 22	Hours of Data:	686
Minimum Hourly Value:	1.92	ppm	on Mar 17 at hr 17	Hours of Missing Data:	17
Minimum Daily Value:	1.96	ppm	on Mar 10	Hours of Calibration:	41
Monthly Average:	2.02	ppm		Operational Uptime:	97.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	2.04	2.04	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.04	2.04	S	2.04	2.04	2.05	2.04
Mar 2	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	S	2.05	2.05	2.04	2.05	2.04
Mar 3	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.05	2.04	2.01	2.01	S	2.02	2.02	2.02	2.01	2.06	2.04
Mar 4	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	S	2.00	2.00	2.00	2.00	2.00	2.03	2.01
Mar 5	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.03	2.01	2.01	2.01	2.00	2.00	2.00	2.00	S	2.02	2.06	2.02	2.02	2.01	1.99	2.06	2.01
Mar 6	2.01	2.02	2.05	2.08	2.08	2.07	2.06	2.09	2.07	2.06	2.00	2.00	1.99	1.99	2.00	2.00	1.99	S	1.99	2.00	2.01	2.00	1.99	2.02	1.99	2.09	2.02
Mar 7	2.07	2.04	2.04	2.03	2.03	2.04	2.04	2.03	2.02	2.01	2.00	2.00	1.99	2.00	1.99	1.98	S	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.97	2.07	2.01
Mar 8	1.98	2.04	2.04	2.03	2.03	2.03	2.01	2.00	1.99	1.97	1.97	1.95	1.94	1.95	1.95	S	1.96	1.97	1.97	1.97	1.97	1.98	1.97	2.02	1.94	2.04	1.99
Mar 9	1.97	1.97	2.02	1.96	1.96	1.97	1.97	1.96	1.96	1.97	1.96	1.94	1.93	1.93	S	1.94	1.94	1.93	1.95	1.94	1.95	1.96	1.96	1.95	1.93	2.02	1.96
Mar 10	1.95	1.96	1.95	1.95	1.94	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.96	1.96	1.96	1.95	1.95	1.96	1.96	1.97	2.01	2.02	1.94	2.02	1.96
Mar 11	2.02	2.06	2.04	2.01	1.98	1.99	1.99	2.02	2.04	1.99	1.97	1.95	S	1.95	1.96	1.96	1.96	1.96	1.96	1.95	1.96	1.98	1.98	2.00	1.95	2.06	1.99
Mar 12	2.01	1.98	1.99	1.99	1.99	1.98	1.98	1.98	1.99	1.99	1.99	S	1.98	1.97	1.98	1.99	1.99	1.99	1.98	1.99	2.00	2.02	2.08	2.10	1.97	2.10	2.00
Mar 13	2.10	2.15	2.18	2.17	2.11	2.11	2.12	2.12	2.05	2.01	S	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.97	2.18	2.04
Mar 14	1.98	1.98	1.98	1.98	1.98	1.99	1.98	1.98	1.98	S	1.98	1.97	1.96	1.96	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.99	1.96
Mar 15	1.93	1.93	1.93	1.94	1.93	1.94	1.95	1.95	S	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.99	2.00	2.02	2.01	1.93	2.02	1.97
Mar 16	2.02	2.02	2.00	1.99	1.99	2.00	1.99	S	2.01	2.01	2.02	2.00	2.00	2.00	2.00	2.00	1.99	1.98	2.00	2.04	2.03	2.03	2.03	2.02	1.98	2.04	2.01
Mar 17	2.02	2.02	2.06	2.05	2.06	2.04	S	2.03	2.02	2.01	2.01	2.01	1.99	2.00	2.00	1.97	1.95	1.92	1.92	1.93	1.94	1.94	1.94	1.94	1.92	2.06	1.99
Mar 18	1.94	1.94	1.94	1.94	1.94	S	1.94	1.95	1.96	1.94	1.95	1.96	1.97	1.99	1.99	1.99	1.99	1.98	1.99	2.00	2.00	2.01	2.01	2.01	1.94	2.01	1.97
Mar 19	2.01	2.01	2.01	2.01	S	2.01	2.00	2.00	C	C	C	C	C	C	C	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	2.00	2.01	NA
Mar 20	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	C	C	C	2.00	2.01	2.01	2.00	2.00	2.01	1.99	2.02	2.02	2.02	2.02	2.05	2.05	1.99	2.05	NA
Mar 21	2.06	2.05	S	2.06	2.07	2.08	2.08	2.09	2.09	2.09	2.08	2.07	2.07	2.05	2.05	2.04	2.05	2.06	2.07	2.08	2.08	2.08	2.08	2.08	2.04	2.09	2.07
Mar 22	2.09	S	2.11	2.14	2.20	2.20	2.16	2.16	2.13	2.11	2.09	2.08	2.08	2.07	2.06	2.07	2.08	2.08	2.08	2.07	2.07	2.09	2.10	2.11	2.06	2.20	**2.11**
Mar 23	S	2.11	2.12	2.09	2.09	2.12	2.13	2.13	2.11	2.09	2.06	2.04	2.03	2.03	2.02	2.01	2.02	2.02	2.01	2.03	2.03	2.04	2.05	S	2.01	2.13	2.06
Mar 24	2.05	2.10	2.09	2.10	2.08	2.08	2.10	2.13	2.07	2.06	2.04	2.05	2.05	2.05	2.06	2.06	2.05	2.04	2.04	2.05	2.06	2.07	S	2.08	2.04	2.13	2.07
Mar 25	2.08	2.07	2.09	2.08	2.08	2.07	2.08	2.07	2.08	2.08	2.08	2.08	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.06	2.05	S	2.06	2.06	2.05	2.09	2.07
Mar 26	2.08	2.06	2.06	2.06	2.06	2.07	2.05	2.06	2.06	2.05	2.04	2.04	2.03	2.04	2.04	2.03	2.04	2.04	2.03	2.02	S	2.05	2.04	2.03	2.02	2.08	2.05
Mar 27	2.03	2.04	2.03	2.02	2.02	2.01	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.00	1.99	2.00	2.00	1.99	2.00	S	2.00	2.00	2.00	2.00	1.99	2.04	2.01
Mar 28	2.00	1.99	1.99	1.99	2.00	1.99	2.00	2.01	2.00	2.02	2.05	2.03	2.04	2.05	2.04	2.03	2.02	1.99	S	2.03	2.03	2.00	2.02	2.01	1.99	2.05	2.01
Mar 29	2.01	2.04	2.02	2.02	2.07	2.16	2.25	**2.27**	2.17	2.07	2.04	2.05	2.05	2.04	2.05	2.05	2.05	S	2.05	2.06	2.05	2.05	2.07	2.08	2.01	**2.27**	2.08
Mar 30	2.09	2.08	2.10	2.11	2.09	2.09	2.08	2.08	2.07	2.07	2.06	2.06	2.06	2.05	2.05	2.05	S	2.06	2.05	2.06	2.06	2.05	2.06	2.15	2.05	2.15	2.07
Mar 31	2.16	2.12	2.09	2.15	2.16	2.20	2.13	2.10	2.08	2.06	2.05	2.04	2.04	2.04	2.03	S	2.02	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.00	2.20	2.07
Diurnal Maximum	2.16	2.15	2.18	2.17	2.20	2.20	2.25	2.27	2.17	2.11	2.09	2.08	2.08	2.07	2.06	2.07	2.08	2.08	2.08	2.08	2.08	2.09	2.10	2.15			
Diurnal Average	2.03	2.03	2.04	2.04	2.04	2.05	2.04	2.05	2.04	2.03	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.01	2.01	2.01	2.02	2.03			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



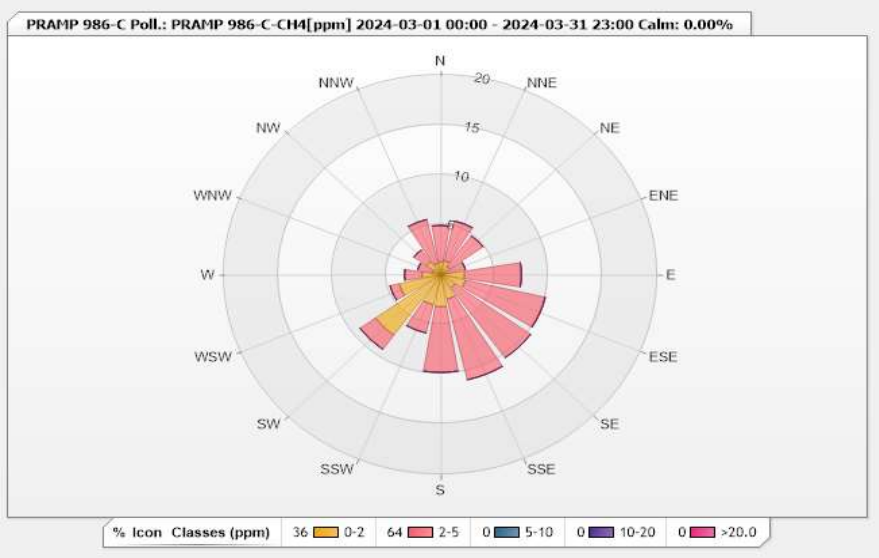


Station: PRAMP 986-C Poll.: PRAMP 986-C-CH4[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 92.20% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	1.31	3.64	0	0	0	4.95
NNE	1.46	4.08	0	0	0	5.54
NE	1.02	3.79	0	0	0	4.81
ENE	0.29	2.04	0	0	0	2.33
E	2.19	5.25	0	0	0	7.44
ESE	2.33	7.58	0	0	0	9.91
SE	1.6	8.6	0	0	0	10.2
SSE	2.48	8.31	0	0	0	10.79
S	3.21	6.56	0	0	0	9.77
SSW	3.06	2.92	0	0	0	5.98
SW	7.43	1.75	0	0	0	9.18
WSW	3.94	0.87	0	0	0	4.81
W	1.75	1.6	0	0	0	3.35
WNW	0.73	1.46	0	0	0	2.19
NW	1.6	1.46	0	0	0	3.06
NNW	1.17	4.52	0	0	0	5.69
Summary	35.57	64.43	0	0	0	100



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

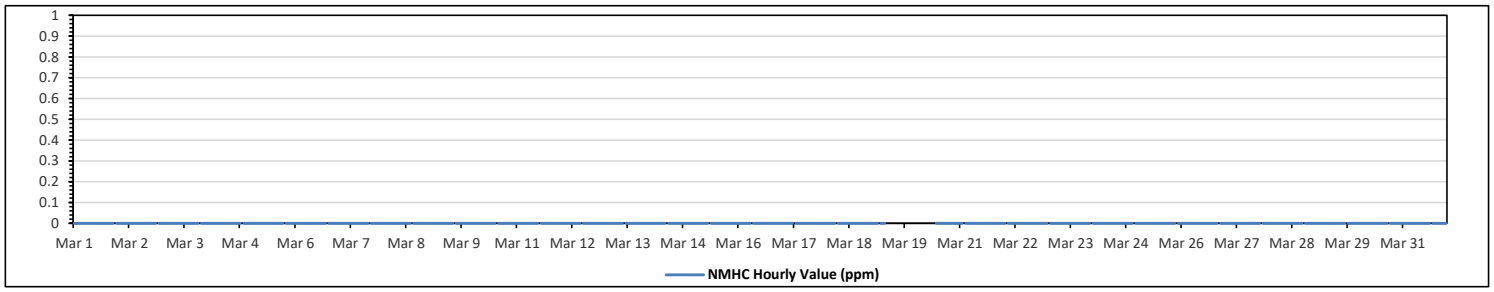
NON-METHANE HYDROCARBONS (NMHC) in ppm

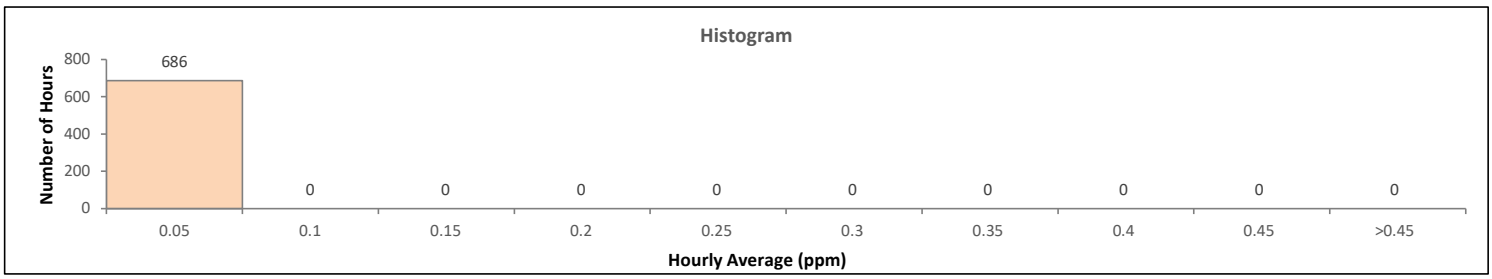
Maximum Hourly Value:	0.00	ppm	on Mar 1 at hr 0	Hours in Service:	744
Maximum Daily Value:	0.00	ppm	on Mar 1	Hours of Data:	686
Minimum Hourly Value:	0.00	ppm	on Mar 1 at hr 0	Hours of Missing Data:	17
Minimum Daily Value:	0.00	ppm	on Mar 1	Hours of Calibration:	41
Monthly Average:	0.00	ppm		Operational Uptime:	97.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Mar 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Mar 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Mar 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 17	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 18	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 19	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	C	C	C	C	C	C	C	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	0.00	0.00	NA
Mar 20	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Mar 21	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 22	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 23	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Mar 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Mar 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Mar 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Mar 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



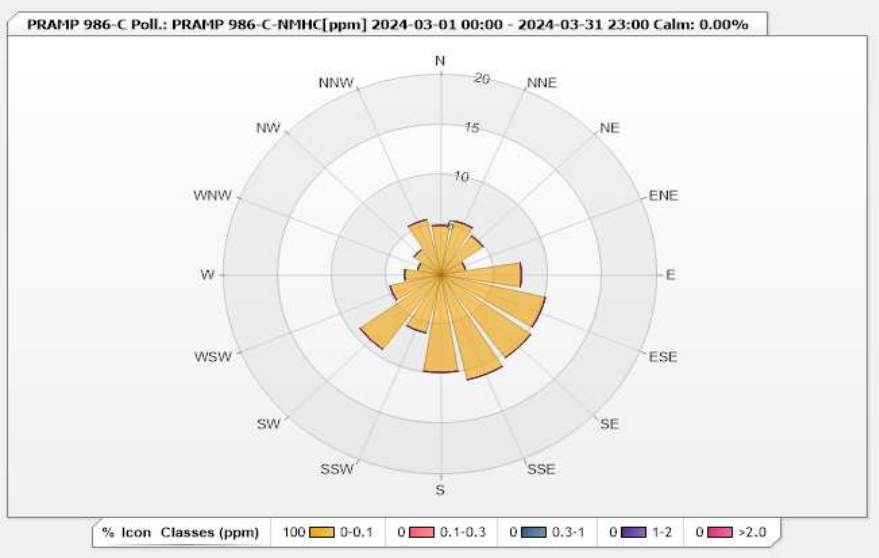


Station: PRAMP 986-C Poll.: PRAMP 986-C-NMHC[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 92.20% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	4.96	0	0	0	0	4.96
NNE	5.54	0	0	0	0	5.54
NE	4.81	0	0	0	0	4.81
ENE	2.33	0	0	0	0	2.33
E	7.43	0	0	0	0	7.43
ESE	9.91	0	0	0	0	9.91
SE	10.2	0	0	0	0	10.2
SSE	10.79	0	0	0	0	10.79
S	9.77	0	0	0	0	9.77
SSW	5.98	0	0	0	0	5.98
SW	9.18	0	0	0	0	9.18
WSW	4.81	0	0	0	0	4.81
W	3.35	0	0	0	0	3.35
WNW	2.19	0	0	0	0	2.19
NW	3.06	0	0	0	0	3.06
NNW	5.69	0	0	0	0	5.69
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

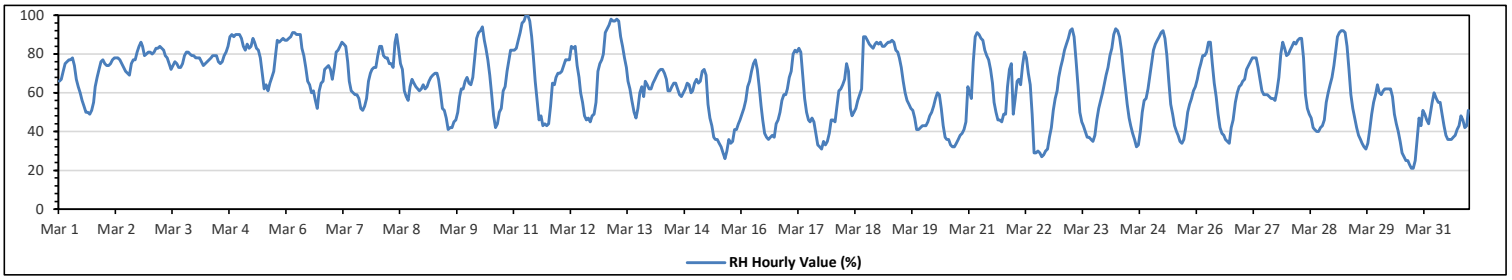
Maximum Hourly Value:	100	%	on Mar 11 at hr 6	Hours in Service:	744
Maximum Daily Value:	80.7	%	on Mar 4	Hours of Data:	744
Minimum Hourly Value:	21	%	on Mar 30 at hr 17	Hours of Missing Data:	0
Minimum Daily Value:	42.8	%	on Mar 30	Hours of Calibration:	0
Monthly Average:	63.8	%		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	66	67	71	75	76	77	77	78	74	67	63	60	56	53	50	50	49	51	55	63	68	72	76	77	49	78	65.5
Mar 2	75	74	74	75	77	78	78	78	77	75	73	71	70	69	75	77	77	81	84	86	84	79	80	81	69	86	77.0
Mar 3	81	80	81	83	83	84	83	82	79	78	75	72	74	76	75	73	73	75	79	81	81	80	79	79	72	84	78.6
Mar 4	78	78	78	76	74	75	76	77	78	79	79	79	76	75	76	79	81	84	89	90	89	90	90	90	74	90	**80.7**
Mar 5	88	84	82	85	83	84	88	86	83	82	78	70	62	64	61	65	68	71	80	87	86	87	88	87	61	88	79.1
Mar 6	87	88	89	91	91	90	90	90	83	79	73	66	64	60	61	56	52	61	65	66	72	73	74	72	52	91	74.7
Mar 7	67	73	81	82	84	86	85	84	76	66	61	60	59	59	57	52	51	53	57	66	70	72	73	73	51	86	68.6
Mar 8	79	84	84	79	78	78	75	75	73	86	90	83	75	72	61	58	56	63	67	65	63	62	61	62	56	90	72.0
Mar 9	64	62	63	66	68	69	70	70	67	60	52	51	47	41	42	42	45	46	50	58	62	62	66	68	41	70	58.0
Mar 10	65	64	68	78	88	91	92	94	87	83	77	69	59	48	42	44	50	52	61	63	71	76	82	82	42	94	70.3
Mar 11	82	83	87	91	96	97	**100**	**100**	97	89	79	66	56	46	48	43	44	43	44	53	65	64	68	70	43	**100**	71.3
Mar 12	70	71	74	77	77	77	84	83	84	74	68	60	55	48	46	47	45	48	49	55	71	75	77	80	45	84	66.5
Mar 13	91	93	95	98	97	97	98	97	89	84	78	73	66	62	56	50	47	52	60	63	58	66	64	62	47	98	74.8
Mar 14	62	65	67	69	71	72	72	70	67	61	61	63	65	65	62	59	58	60	62	65	64	60	61	65	58	72	64.4
Mar 15	67	65	66	71	72	69	54	47	43	37	36	36	34	32	29	26	30	36	34	35	41	41	44	46	26	72	45.5
Mar 16	49	52	56	63	66	71	75	77	72	63	53	46	39	37	36	37	38	37	44	46	50	56	59	59	36	77	53.4
Mar 17	62	68	71	80	82	81	83	81	69	57	50	46	45	47	45	39	33	32	31	35	33	35	39	46	31	83	53.8
Mar 18	46	45	53	61	62	64	67	75	71	52	48	50	52	56	59	62	89	89	87	85	84	83	85	86	45	89	67.1
Mar 19	85	86	84	84	85	86	86	87	86	82	81	78	73	66	60	56	54	52	51	47	41	41	42	43	41	87	68.2
Mar 20	43	43	45	48	50	53	57	60	59	52	43	37	36	36	33	32	32	34	36	38	39	41	45	63	32	63	44.0
Mar 21	60	57	76	89	91	90	88	87	82	79	77	72	65	55	50	46	46	45	49	49	63	72	75	49	45	91	67.2
Mar 22	57	66	67	64	74	81	78	70	64	49	29	29	30	29	27	28	30	31	37	42	51	57	61	68	27	81	50.8
Mar 23	73	77	82	85	88	92	93	89	77	64	50	45	43	40	37	37	36	35	38	46	52	56	60	65	35	93	60.8
Mar 24	69	73	79	83	90	93	92	89	82	72	63	54	47	43	39	36	32	33	40	50	56	57	62	69	32	93	62.6
Mar 25	76	82	85	87	89	91	92	88	79	66	54	49	43	40	38	35	34	36	42	50	54	57	61	63	34	92	62.1
Mar 26	67	72	75	79	79	81	86	86	75	65	58	49	42	39	38	36	35	34	42	46	55	60	63	64	34	86	59.4
Mar 27	66	67	72	74	76	78	78	78	73	67	61	59	59	59	58	57	57	56	61	68	80	86	83	79	56	86	68.8
Mar 28	80	82	84	86	85	87	88	88	78	59	52	49	47	42	41	40	40	42	43	46	55	60	64	68	40	88	62.8
Mar 29	74	82	89	91	92	92	91	84	72	59	52	47	42	38	36	34	32	31	34	41	49	55	59	64	31	92	60.0
Mar 30	60	59	61	62	62	62	62	58	49	44	40	35	29	27	25	25	23	**21**	**21**	25	36	47	43	51	**21**	62	**42.8**
Mar 31	49	46	44	50	55	60	57	55	55	49	43	38	36	36	36	37	38	41	43	48	46	42	43	51	36	60	45.8
Diurnal Maximum	91	93	95	98	97	97	100	100	97	89	90	83	76	76	76	79	89	89	89	90	89	90	90	90			
Diurnal Average	69.0	70.6	73.6	76.8	78.7	80.2	80.5	79.5	74.2	67.1	61.2	56.8	53.1	50.3	48.4	47.0	47.6	49.2	52.7	56.7	60.9	63.4	65.4	67.2			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

BAROMETRIC PRESSURE (BP) in millibar

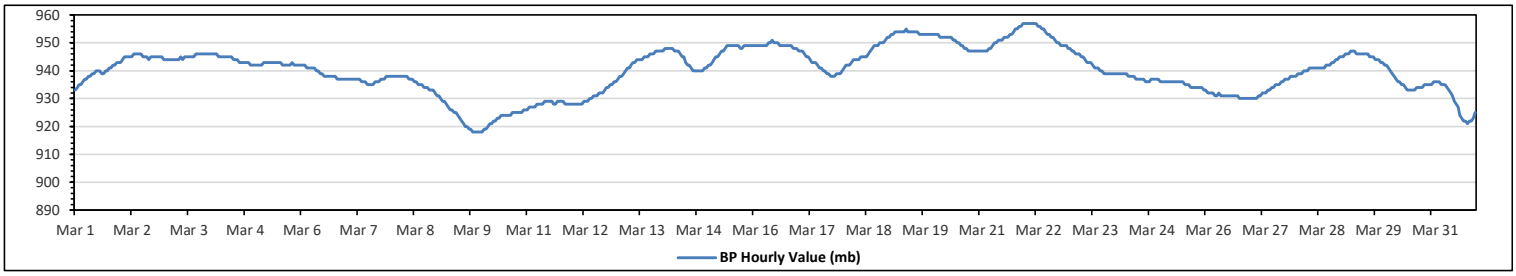
Maximum Hourly Value:	957	mb	on Mar 21 at hr 23	Hours in Service:	744
Maximum Daily Value:	954	mb	on Mar 19	Hours of Data:	744
Minimum Hourly Value:	918	mb	on Mar 9 at hr 19	Hours of Missing Data:	0
Minimum Daily Value:	923	mb	on Mar 10	Hours of Calibration:	0
Monthly Average:	940	mb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	933	934	935	935	936	937	937	938	938	939	939	940	940	940	939	939	940	940	941	941	942	942	943	943	933	943	939
Mar 2	943	944	945	945	945	945	945	946	946	946	946	946	945	945	945	944	945	945	945	945	945	945	945	944	943	946	945
Mar 3	944	944	944	944	944	944	944	944	945	944	945	945	945	945	945	945	946	946	946	946	946	946	946	946	944	946	945
Mar 4	946	946	946	946	945	945	945	945	945	945	945	945	944	944	944	943	943	943	943	943	943	942	942	942	942	946	944
Mar 5	942	942	942	942	943	943	943	943	943	943	943	943	943	943	942	942	942	942	942	943	942	942	942	942	942	943	942
Mar 6	942	942	942	941	941	941	941	941	940	940	939	939	938	938	938	938	938	938	938	937	937	937	937	937	937	942	939
Mar 7	937	937	937	937	937	937	937	937	936	936	936	935	935	935	935	936	936	936	937	937	937	938	938	938	935	938	937
Mar 8	938	938	938	938	938	938	938	938	938	937	937	937	936	936	935	935	935	934	934	934	933	933	933	932	932	938	936
Mar 9	931	931	930	929	929	928	927	926	926	925	925	924	923	922	921	920	920	919	919	**918**	**918**	**918**	**918**	**918**	**918**	931	924
Mar 10	**918**	919	919	920	921	921	922	922	923	923	924	924	924	924	924	924	925	925	925	925	925	925	926	926	**918**	926	**923**
Mar 11	926	927	927	927	927	928	928	928	928	929	929	929	929	929	928	928	929	929	929	929	928	928	928	928	926	929	928
Mar 12	928	928	928	928	928	928	929	929	929	930	930	931	931	931	932	932	932	933	934	934	935	935	936	936	928	936	931
Mar 13	937	938	938	939	940	941	941	942	943	943	944	944	944	944	945	945	945	946	946	946	947	947	947	947	937	947	943
Mar 14	947	948	948	948	948	948	947	947	947	946	945	945	943	942	942	941	940	940	940	940	940	940	941	941	940	948	944
Mar 15	942	942	943	944	945	945	946	947	947	948	949	949	949	949	949	949	949	948	948	949	949	949	949	949	942	949	947
Mar 16	949	949	949	949	949	949	949	949	950	950	951	950	950	950	949	949	949	949	949	949	949	948	948	948	948	951	949
Mar 17	947	947	947	946	945	945	944	943	943	943	942	941	941	940	940	939	939	938	938	938	939	939	939	940	938	947	942
Mar 18	941	942	942	942	943	944	944	944	944	945	945	945	945	946	947	948	949	949	949	950	950	950	951	952	941	952	946
Mar 19	952	953	953	954	954	954	954	954	954	955	954	954	954	954	954	954	953	953	953	953	953	953	953	953	952	955	**954**
Mar 20	953	953	953	952	952	952	952	952	952	952	951	951	950	950	949	949	948	948	947	947	947	947	947	947	947	953	950
Mar 21	947	947	947	947	947	948	948	949	950	950	951	951	951	952	952	952	953	953	954	955	955	956	956	**957**	947	**957**	951
Mar 22	**957**	**957**	**957**	**957**	**957**	**957**	**957**	956	956	955	955	954	953	953	952	952	951	950	950	949	949	949	949	948	948	**957**	953
Mar 23	948	947	947	946	946	946	945	945	944	943	943	942	941	941	941	940	940	940	939	939	939	939	939	939	939	948	943
Mar 24	939	939	939	939	939	939	939	938	938	938	938	937	937	937	937	937	936	936	936	937	937	937	937	937	936	939	938
Mar 25	936	936	936	936	936	936	936	936	936	936	936	936	936	935	935	935	934	934	934	934	934	934	934	933	933	936	935
Mar 26	933	932	932	932	932	931	931	932	931	931	931	931	931	931	931	931	931	931	930	930	930	930	930	930	930	933	931
Mar 27	930	930	930	930	931	931	932	932	932	933	933	934	934	935	935	935	936	936	937	937	937	938	938	938	930	938	934
Mar 28	938	939	939	939	940	940	940	941	941	941	941	941	941	941	941	941	942	942	942	943	943	944	944	945	938	945	941
Mar 29	945	945	946	946	946	947	947	947	946	946	946	946	946	946	946	945	945	945	944	944	944	943	943	942	942	947	945
Mar 30	942	941	940	939	938	937	936	936	935	935	934	933	933	933	933	933	934	934	934	934	935	935	935	935	933	942	936
Mar 31	935	936	936	936	936	935	935	935	934	933	932	931	929	928	927	924	923	922	922	921	922	922	923	925	921	936	929
Diurnal Maximum	957	957	957	957	957	957	957	956	956	955	955	954	954	954	954	954	953	953	954	955	955	956	956	957			
Diurnal Average	940	940	940	940	941	941	941	941	941	941	941	940	940	940	940	940	940	939	940	940	940	940	940	940			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

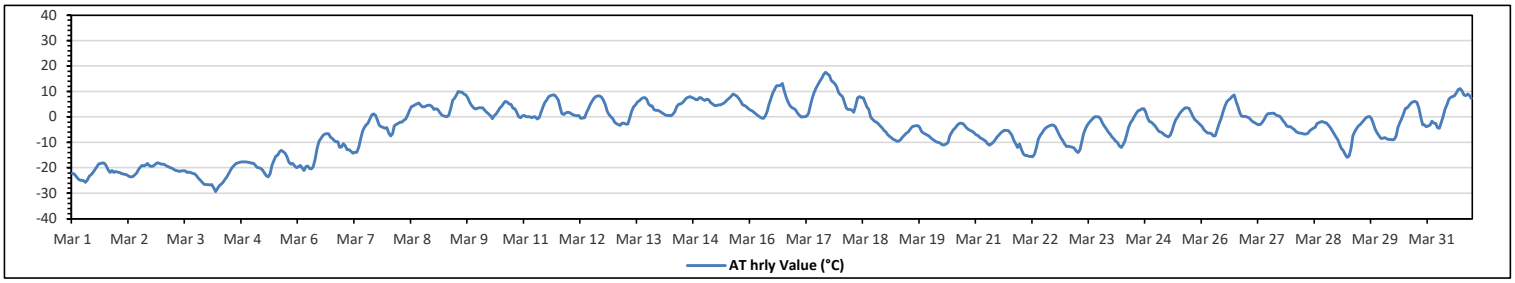
Maximum Hourly Value:	17.6	°C	on Mar 17 at hr 16	Hours in Service:	744
Maximum Daily Value:	8.8	°C	on Mar 17	Hours of Data:	744
Minimum Hourly Value:	-29.3	°C	on Mar 4 at hr 4	Hours of Missing Data:	0
Minimum Daily Value:	-22.3	°C	on Mar 4	Hours of Calibration:	0
Monthly Average:	-4.3	°C		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	-22.1	-22.5	-23.3	-24.3	-24.8	-24.9	-25.1	-25.7	-24.8	-23.3	-22.7	-21.8	-20.6	-19.5	-18.4	-18.3	-18	-18.2	-19.1	-20.8	-21.7	-21.1	-21.8	-21.5	-25.7	-18.0	-21.8
Mar 2	-21.6	-21.8	-22.2	-22.5	-22.6	-22.9	-23.3	-23.6	-23.4	-22.9	-22	-20.9	-19.8	-19	-19.3	-18.9	-18.3	-19.1	-19.4	-19.2	-18.7	-18	-18.1	-18.5	-23.6	-18.0	-20.7
Mar 3	-18.6	-18.8	-19.2	-19.5	-19.9	-20.2	-20.6	-21	-21.2	-21.4	-21.2	-21.2	-21.2	-21.7	-21.6	-21.9	-22.2	-22.4	-23.1	-24.1	-24.8	-25.7	-26.5	-26.6	-26.6	-18.6	-21.9
Mar 4	-26.6	-26.7	-26.6	-27.8	**-29.3**	-28.1	-27	-26.4	-25.7	-24.6	-23.5	-22.4	-21	-19.8	-19	-18.3	-18	-17.7	-17.6	-17.6	-17.6	-17.8	-17.9	-18.1	**-29.3**	-17.6	**-22.3**
Mar 5	-18.2	-18.8	-19.8	-19.9	-20.2	-20.8	-21.9	-23	-23.6	-22.5	-19	-17.2	-15.4	-15	-13.6	-13.2	-13.6	-14.2	-15.7	-17.8	-18.5	-18.3	-19.3	-19.9	-23.6	-13.2	-18.3
Mar 6	-19.6	-19	-20	-21.1	-19.5	-19.2	-20.3	-20.4	-19.5	-16.5	-12.3	-9.6	-8.5	-7.3	-6.7	-6.6	-6.6	-8	-8.5	-9.2	-9.7	-9.7	-11.9	-11.9	-21.1	-6.6	-13.4
Mar 7	-10.5	-11.3	-12.9	-12.8	-13.5	-14.3	-13.9	-13.8	-12	-8.7	-5.7	-4.3	-3.1	-2.4	-0.8	0.9	1.2	0.6	-1	-3.2	-3.9	-4.1	-4.4	-4.2	-14.3	1.2	-6.6
Mar 8	-6.3	-7.4	-6.6	-3.6	-2.9	-2.6	-2.1	-2.1	-1.4	-0.8	0.7	2.6	4.1	4.3	4.9	5.1	5.4	4.6	4	4	4.3	4.6	4.6	4.1	-7.4	5.4	0.9
Mar 9	3	3.2	2.9	1.8	0.8	0.5	0.2	0	0.9	3.5	6.6	7.3	8.5	10	9.8	9.8	9.1	8.7	7.5	5.7	4.5	3.7	3.1	3.3	0.0	10.0	4.8
Mar 10	3.7	3.6	3.6	2.6	1.9	1.2	0.4	-0.6	0.5	1.1	2.2	3.5	4.2	5.3	6.2	5.9	5.2	5	3.5	3.2	1.8	0.1	-0.2	0.4	-0.6	6.2	2.7
Mar 11	0.6	0	0.1	0	-0.2	0	0.1	-0.8	-0.3	1.8	3.9	5.8	6.7	8	8.4	8.7	8.7	7.8	6.6	4	1.3	1	1.6	1.8	-0.8	8.7	3.2
Mar 12	1.7	1.2	0.8	0.6	0.5	0.6	-0.5	-0.4	-0.2	1.7	2.9	4.7	6.1	7.3	8	8.2	8.2	7.8	6.5	4.8	2.1	0.9	-0.1	-0.7	-0.7	8.2	3.0
Mar 13	-2	-2.7	-2.9	-3.3	-2.4	-2.5	-2.8	-2.8	-0.4	2.2	3.9	4.8	5.9	6.4	7.1	7.5	7.7	7	5.1	4.3	4.4	2.8	2.6	2.6	-3.3	7.7	2.2
Mar 14	2.2	1.7	1.2	0.7	0.6	0.6	0.5	1.1	2.1	4.1	5	5.2	5.6	6.5	7.4	7.8	7.9	7.7	7.4	6.8	6.7	7.6	7.5	6.8	0.5	7.9	4.6
Mar 15	6.5	7	6.7	5.6	5.1	4.5	4.5	4.7	4.8	5.2	5.5	6.2	6.8	7.5	8.1	9	8.7	8.1	7.3	6.2	4.8	4.5	4	3.2	3.2	9.0	6.0
Mar 16	2.7	2.4	1.8	1.2	0.6	0.1	-0.4	-0.5	0.5	2.4	4.9	7.1	9.3	10.9	12.3	12.2	12.4	13.2	10.6	8.1	6.2	4.6	3.8	3.4	-0.5	13.2	5.4
Mar 17	2.8	1.6	0.7	-0.1	0	0	0.4	1.4	4.8	7.6	9.5	11.3	12.7	14	15.2	16.7	**17.6**	17	16.3	14.3	13.7	12.9	11.8	9.5	-0.1	**17.6**	**8.8**
Mar 18	8.7	8	5.7	3.5	3	2.9	2.7	1.8	4.4	7.5	7.9	7.7	7.5	5.6	4	2.9	-0.1	-0.9	-1.7	-2	-2.7	-3.6	-4.3	-5.3	-5.3	8.7	2.6
Mar 19	-6	-6.9	-7.6	-8.2	-8.8	-9.1	-9.6	-9.5	-8.9	-7.9	-7.1	-6.4	-5.8	-4.7	-3.8	-3.6	-3.4	-3.4	-4.1	-5.6	-6.4	-6.8	-7.1	-7.5	-9.6	-3.4	-6.6
Mar 20	-8.2	-8.9	-9.4	-9.8	-10	-10.4	-10.9	-11	-10.7	-9.9	-7.5	-6.1	-4.9	-4.2	-3.1	-2.6	-2.4	-2.7	-3.5	-4.3	-4.9	-5.4	-5.7	-6.3	-11.0	-2.4	-6.8
Mar 21	-7.1	-7.3	-8.1	-8.5	-9	-9.5	-10.5	-11.1	-10.7	-10	-9	-7.9	-7.1	-6.2	-5.7	-5.2	-5.4	-5.4	-6.1	-7.1	-9.1	-10.5	-12	-10.7	-12.0	-5.2	-8.3
Mar 22	-12.7	-14.5	-15.1	-15.1	-15.5	-15.5	-15.6	-14.7	-12	-8.7	-7.2	-6.2	-5.2	-4.3	-3.9	-3.4	-3.2	-3.1	-3.9	-5.4	-6.9	-8.3	-9.2	-10.7	-15.6	-3.1	-9.2
Mar 23	-11.6	-11.5	-11.7	-11.9	-12.2	-13.4	-14	-12.9	-9.6	-6.8	-4.7	-3.1	-2.2	-1.4	-0.6	0	0.1	0.1	-0.6	-2.3	-3.5	-4.6	-5.8	-6.8	-14.0	0.1	-6.3
Mar 24	-7.8	-8.6	-9.5	-10	-11.4	-12	-11.1	-9.6	-6.9	-4.1	-2.3	-1.2	0.2	1.4	2.5	2.7	3.2	3.2	2.1	-0.2	-1.8	-2	-2.8	-3.5	-12.0	3.2	-3.7
Mar 25	-4.7	-5.6	-6	-6.4	-7	-7.5	-7.8	-7.2	-5.4	-2.8	-1.2	-0.1	1.2	2.2	2.9	3.6	3.7	3.3	1.9	0.2	-1.1	-1.6	-2.3	-3	-7.8	3.7	-2.1
Mar 26	-3.9	-4.9	-5.7	-6.4	-6.4	-6.6	-7.5	-7.3	-5	-2.6	-0.7	2	4.2	6	6.6	7.3	8.1	8.7	6.2	3.9	1.4	0.3	0.2	0.2	-7.5	8.7	-0.1
Mar 27	-0.1	-0.4	-1.3	-1.9	-2.3	-2.8	-3	-2.9	-2.1	-0.9	0.6	1.3	1.3	1.4	1.4	0.9	0.5	0.3	-0.4	-1.5	-2.4	-3.5	-3.8	-3.8	-3.8	1.4	-1.1
Mar 28	-4.4	-5	-5.8	-6.2	-6.3	-6.5	-6.7	-6.8	-6.5	-5.5	-5	-4.4	-4.1	-2.6	-2.3	-1.9	-1.8	-2.2	-2.3	-3.1	-4.1	-5.4	-6.6	-7.8	-7.8	-1.8	-4.7
Mar 29	-9	-10.9	-12.3	-13.3	-14.8	-15.9	-15.4	-12.5	-7.3	-5.6	-4.4	-3.6	-2.9	-2	-1.2	-0.3	0.1	0.2	-0.6	-2.7	-5	-6.4	-7.4	-8.5	-15.9	0.2	-6.7
Mar 30	-8.3	-8.1	-8.6	-8.9	-8.8	-9	-8.9	-7.4	-4	-2.4	-0.8	1.2	3.3	3.7	4.6	5.4	6	6.2	5.7	3.7	-0.1	-3	-3	-3.8	-9.0	6.2	-1.9
Mar 31	-3.5	-3.1	-1.7	-2.5	-2.6	-4.2	-4.4	-2.2	0.2	3.1	4.9	7	7.8	7.9	8.3	9.3	10.7	11.2	10.3	8.6	8.4	9	8.4	7.3	-4.4	11.2	4.1
Diurnal Maximum	8.7	8.0	6.7	5.6	5.1	4.5	4.5	4.7	4.8	7.6	9.5	11.3	12.7	14.0	15.2	16.7	17.6	17.0	16.3	14.3	13.7	12.9	11.8	9.5			
Diurnal Average	-6.5	-7.0	-7.5	-8.0	-8.3	-8.6	-8.9	-8.6	-7.2	-5.4	-3.8	-2.5	-1.5	-0.7	-0.1	0.3	0.4	0.1	-0.9	-2.2	-3.3	-4.0	-4.6	-5.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

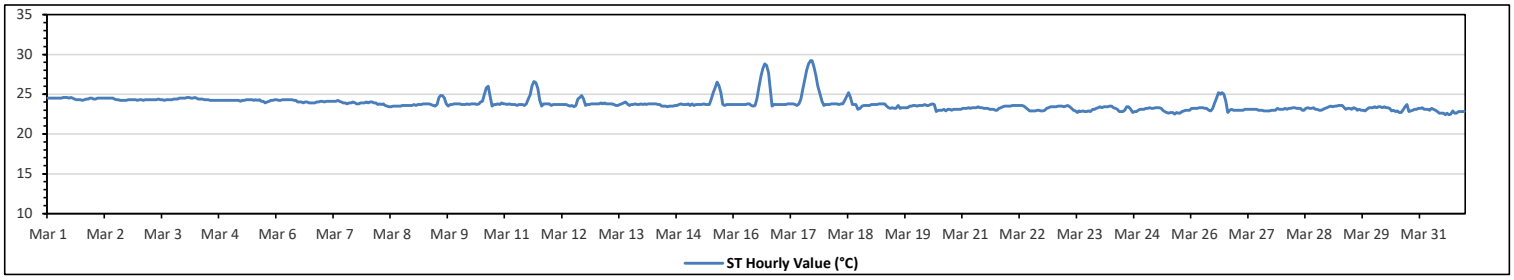
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	29.2	°C	on Mar 17 at hr 16	Hours in Service:	744	
Maximum Daily Value:	25.3	°C	on Mar 17	Hours of Data:	744	
Minimum Hourly Value:	22.4	°C	on Mar 31 at hr 13	Hours of Missing Data:	0	
Minimum Daily Value:	22.8	°C	on Mar 31	Hours of Calibration:	0	
Monthly Average:	23.8	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.5	24.6	24.5	24.4	24.3	24.3	24.3	24.2	24.3	24.4	24.4	24.5	24.5	24.2	24.6	24.5
Mar 2	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.3	24.3	24.2	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.2	24.2	24.5	24.4
Mar 3	24.3	24.3	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.4	24.3	24.3	24.2	24.3	24.3	24.3	24.3	24.4	24.4	24.4	24.5	24.5	24.5	24.2	24.5	24.3
Mar 4	24.5	24.6	24.6	24.5	24.5	24.6	24.5	24.4	24.4	24.4	24.3	24.3	24.3	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.6	24.3
Mar 5	24.2	24.2	24.2	24.2	24.2	24.1	24.2	24.2	24.3	24.3	24.3	24.3	24.2	24.3	24.2	24.3	24.1	24.1	23.9	24.0	24.1	24.2	24.2	24.3	23.9	24.3	24.2
Mar 6	24.3	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.2	24.2	24.0	24.0	24.0	23.9	24.0	24.0	23.9	23.9	23.9	23.9	24.0	24.0	24.1	23.9	24.3	24.1
Mar 7	24.1	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.2	24.1	24.0	23.9	23.9	23.8	23.9	23.9	24.0	23.9	23.8	23.8	23.9	23.9	23.9	24.0	23.8	24.2	24.0
Mar 8	23.9	24.0	24.0	23.9	23.9	23.7	23.8	23.7	23.8	23.6	23.5	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.4	24.0	23.7
Mar 9	23.7	23.6	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.7	23.6	23.5	23.7	24.6	24.8	24.8	24.5	23.8	23.5	23.7	23.7	23.8	23.8	23.8	23.5	24.8	23.9
Mar 10	23.8	23.7	23.7	23.7	23.8	23.7	23.8	23.8	23.8	23.7	23.8	24.0	24.1	25.0	25.8	26.0	24.7	23.5	23.7	23.7	23.8	23.7	23.9	23.8	23.5	26.0	24.0
Mar 11	23.8	23.7	23.8	23.7	23.7	23.7	23.6	23.7	23.7	23.7	23.6	23.8	24.4	24.9	26.1	26.6	26.4	25.7	24.2	23.5	23.8	23.8	23.8	23.8	23.5	26.6	24.2
Mar 12	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.6	23.5	23.6	23.4	23.6	24.4	24.6	24.8	24.4	23.6	23.7	23.7	23.8	23.8	23.8	23.4	24.8	23.8
Mar 13	23.8	23.8	23.9	23.8	23.9	23.8	23.8	23.8	23.8	23.7	23.6	23.6	23.7	23.8	23.9	24.0	23.8	23.6	23.7	23.7	23.8	23.7	23.7	23.8	23.6	24.0	23.8
Mar 14	23.7	23.8	23.7	23.8	23.8	23.8	23.8	23.8	23.7	23.7	23.5	23.5	23.5	23.4	23.5	23.5	23.5	23.6	23.6	23.7	23.8	23.7	23.7	23.7	23.4	23.8	23.7
Mar 15	23.8	23.6	23.8	23.6	23.7	23.7	23.7	23.7	23.8	23.7	23.7	23.7	24.4	25.2	25.8	26.5	26.1	25.2	23.7	23.6	23.7	23.7	23.7	23.7	23.6	26.5	24.2
Mar 16	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.8	23.8	23.6	23.5	23.6	24.5	25.9	27.2	28.2	28.8	28.6	27.7	25.4	23.5	23.7	23.7	23.7	23.5	28.8	24.8
Mar 17	23.7	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.7	23.6	23.8	24.4	25.6	26.8	28.0	28.8	**29.2**	**29.2**	28.4	27.3	26.0	25.0	24.1	23.6	23.6	**29.2**	**25.3**
Mar 18	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.7	23.8	23.8	24.2	24.7	25.2	24.6	23.7	23.7	23.7	23.1	23.2	23.5	23.6	23.6	23.6	23.6	23.1	25.2	23.8
Mar 19	23.7	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.5	23.3	23.2	23.3	23.2	23.2	23.6	23.2	23.3	23.3	23.3	23.3	23.5	23.5	23.6	23.6	23.2	23.8	23.5
Mar 20	23.5	23.6	23.6	23.6	23.7	23.6	23.6	23.7	23.8	23.7	22.8	23.0	23.0	23.0	23.1	22.9	23.1	23.1	23.0	23.1	23.1	23.1	23.1	23.1	22.8	23.8	23.3
Mar 21	23.2	23.2	23.2	23.3	23.2	23.3	23.3	23.3	23.4	23.3	23.3	23.2	23.2	23.2	23.1	23.1	23.1	23.0	23.0	23.2	23.3	23.4	23.5	23.5	23.0	23.5	23.2
Mar 22	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.5	23.3	23.1	22.9	22.9	22.9	22.9	23.0	23.0	22.9	22.9	23.0	23.2	23.3	23.4	23.4	22.9	23.6	23.3
Mar 23	23.4	23.4	23.5	23.5	23.5	23.4	23.5	23.6	23.4	23.2	23.0	22.9	22.7	22.9	22.8	22.9	22.8	22.8	22.9	22.8	23.1	23.1	23.2	23.3	22.7	23.6	23.2
Mar 24	23.4	23.3	23.4	23.4	23.4	23.5	23.5	23.3	23.2	23.1	22.8	22.8	22.8	23.0	23.4	23.4	23.1	22.7	22.8	22.8	23.0	23.1	23.1	23.1	22.7	23.5	23.1
Mar 25	23.2	23.2	23.3	23.2	23.2	23.3	23.3	23.3	23.2	23.0	22.8	22.7	22.6	22.7	22.7	22.5	22.7	22.6	22.6	22.8	22.9	23.0	23.0	23.0	22.5	23.3	23.0
Mar 26	23.2	23.2	23.2	23.2	23.3	23.3	23.3	23.2	23.2	23.0	22.9	23.2	23.9	24.5	25.2	25.0	25.2	25.0	24.1	22.7	23.0	23.1	23.0	23.0	22.7	25.2	23.6
Mar 27	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.0	23.0	23.0	22.9	22.9	22.9	22.9	23.0	23.0	23.0	23.2	23.1	23.1	22.9	23.2	23.0
Mar 28	23.1	23.2	23.1	23.2	23.2	23.3	23.3	23.2	23.2	23.2	23.0	23.0	23.2	23.3	23.2	23.2	23.3	23.1	23.1	23.0	23.0	23.1	23.2	23.3	23.0	23.3	23.2
Mar 29	23.4	23.5	23.4	23.5	23.5	23.6	23.6	23.6	23.3	23.1	23.2	23.2	23.1	23.3	23.2	23.0	23.1	23.0	23.0	22.9	23.1	23.3	23.3	23.3	22.9	23.6	23.3
Mar 30	23.4	23.3	23.4	23.4	23.3	23.4	23.3	23.3	23.2	22.9	23.0	22.8	22.9	22.7	22.7	23.1	23.4	23.7	22.8	22.9	23.0	23.1	23.1	23.2	22.7	23.7	23.1
Mar 31	23.2	23.3	23.1	23.1	23.1	23.0	23.2	23.1	23.0	22.8	22.6	22.6	22.6	**22.4**	22.6	**22.4**	22.5	22.9	22.6	22.6	22.8	22.8	22.8	22.8	**22.4**	23.3	**22.8**
Diurnal Maximum	24.5	24.6	24.6	24.5	24.5	24.6	24.5	24.5	24.6	24.6	24.6	24.7	25.6	26.8	28.0	28.8	29.2	29.2	28.4	27.3	26.0	25.0	24.5	24.5			
Diurnal Average	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.6	23.5	23.6	23.7	23.9	24.1	24.2	24.2	24.0	23.8	23.6	23.6	23.6	23.6	23.6			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance		
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P**	Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)				

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

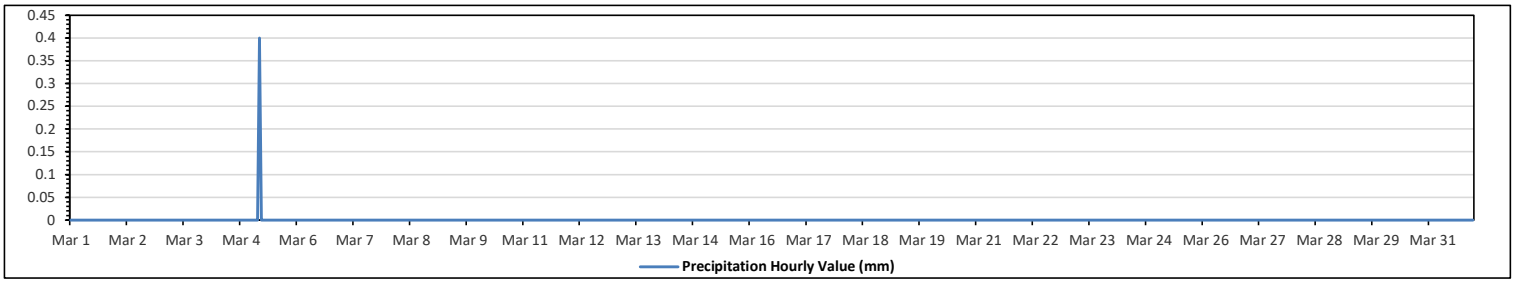
PRECIPITATION in mm

Maximum Hourly Value:	0.4	mm	on Mar 5 at hr 4	Hours in Service:	744	
Maximum Daily Value:	0.4	mm	on Mar 5	Hours of Data:	744	
Minimum Hourly Value:	0.0	mm	on Mar 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	mm	on Mar 1	Hours of Calibration:	0	
Monthly Total:	0.4	mm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Total
Mar 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
Mar 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
Mar 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
Mar 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
Mar 5	0	0	0	0	**0.4**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	**0.4**	**0.4**
Mar 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
Mar 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
Mar 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
Mar 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
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 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
Mar 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Diurnal Maximum	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

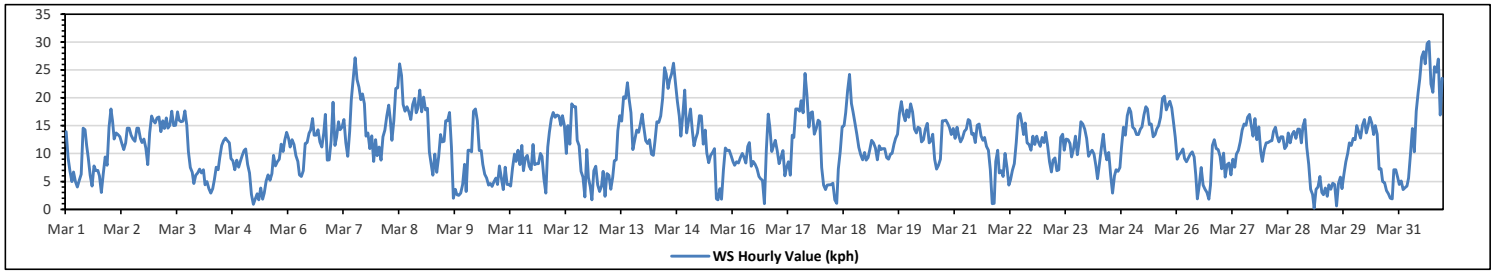
VECTOR WIND SPEED (VWS) in km/hr

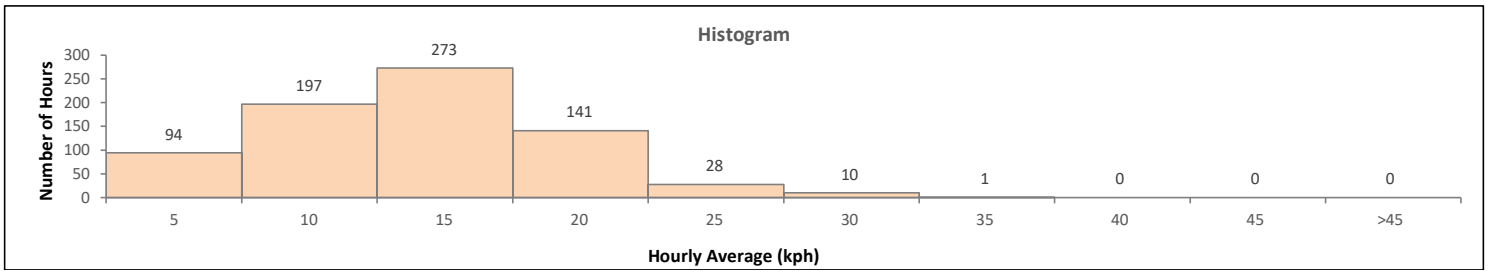
Maximum Hourly Value:	30.1	kph	on Mar 31 at hr 16	Hours in Service:	744	
Maximum Daily Value:	17.8	kph	on Mar 31	Hours of Data:	744	
Minimum Hourly Value:	0.2	kph	on Mar 29 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	5.2	kph	on Mar 29	Hours of Calibration:	0	
Monthly Average:	3.0	kph		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	13.9	9.3	6.8	5.0	6.7	5.0	4.0	5.2	6.3	14.6	14.3	11.5	9.3	6.1	4.2	7.8	6.9	7.0	6.0	3.0	6.4	9.4	7.9	14.7	3.0	14.7	8.0
Mar 2	18.0	15.8	12.6	13.7	13.4	13.0	11.8	10.7	11.9	14.6	14.6	13.3	12.6	12.2	14.6	14.6	12.7	12.0	12.6	11.0	8.0	13.7	16.7	16.0	8.0	18.0	13.3
Mar 3	15.5	16.4	16.6	13.9	15.9	14.5	16.4	14.6	15.1	17.6	15.0	15.1	17.5	16.0	15.7	15.8	17.7	15.1	10.4	7.5	6.6	4.6	6.1	6.5	4.6	17.7	13.6
Mar 4	7.2	6.5	7.1	4.4	5.0	3.7	2.9	3.7	5.3	7.6	7.1	9.3	11.5	12.3	12.8	12.3	11.9	9.1	8.7	7.1	8.8	7.6	8.5	9.6	2.9	12.8	7.9
Mar 5	10.5	10.8	8.1	6.5	2.7	0.9	1.9	2.8	1.7	3.8	1.8	2.9	5.1	6.2	5.2	6.4	9.7	7.8	8.5	9.0	11.7	10.4	12.4	13.8	0.9	13.8	6.7
Mar 6	12.7	11.2	12.5	11.6	9.6	8.6	6.2	5.9	6.9	11.8	12.0	13.6	14.2	16.3	13.3	13.3	14.3	12.1	11.2	13.7	17.0	8.8	8.9	12.3	5.9	17.0	11.6
Mar 7	19.2	11.5	12.9	15.7	14.3	14.7	16.1	11.9	9.5	14.0	19.6	23.4	27.2	23.3	21.9	19.7	20.7	18.9	13.1	13.7	10.9	13.2	8.6	12.5	8.6	27.2	16.1
Mar 8	9.6	11.2	8.8	13.0	14.2	16.7	18.7	16.1	12.4	15.9	21.7	21.8	26.1	24.0	18.8	17.6	18.4	17.5	16.1	18.8	19.9	17.3	18.1	21.4	8.8	26.1	17.3
Mar 9	17.5	20.1	17.8	18.1	10.3	8.4	6.1	9.9	6.6	9.4	13.4	12.1	12.2	15.9	15.9	17.4	11.2	2.0	3.6	2.6	2.5	2.9	4.5	8.1	2.0	20.1	10.4
Mar 10	3.2	10.6	10.6	10.3	17.6	18.0	15.9	10.5	10.5	8.1	6.3	5.6	4.3	4.6	4.1	5.0	5.6	4.5	7.8	5.6	3.5	7.6	4.5	4.5	3.2	18.0	7.9
Mar 11	4.2	7.4	9.9	8.6	10.6	8.0	11.5	6.9	9.2	9.7	7.7	7.1	11.6	8.0	8.2	8.2	10.0	9.5	5.5	2.9	11.2	13.8	16.2	17.4	2.9	17.4	9.3
Mar 12	16.5	16.9	16.7	15.1	16.8	15.0	10.0	15.0	11.7	18.9	18.4	18.4	12.4	11.4	6.8	5.8	2.2	10.7	5.7	4.0	1.7	6.9	7.7	4.4	1.7	18.9	11.2
Mar 13	3.2	4.2	6.8	2.3	6.4	6.1	3.6	5.8	8.7	8.9	14.1	16.8	15.8	20.2	19.9	22.7	19.9	17.3	10.7	12.5	14.2	13.8	15.2	17.1	2.3	22.7	11.9
Mar 14	14.8	12.3	11.8	12.5	9.9	9.7	12.2	15.7	15.6	16.7	19.9	25.4	24.3	21.7	23.2	24.3	26.2	22.7	19.4	16.7	13.1	16.9	21.4	13.7	9.7	26.2	17.5
Mar 15	15.9	18.0	14.0	11.4	12.6	13.7	16.8	16.7	11.7	14.2	10.1	8.4	9.7	10.2	10.9	1.9	1.7	3.7	1.8	7.1	11.0	10.5	10.6	9.6	1.7	18.0	10.5
Mar 16	8.5	7.9	8.5	8.3	9.3	10.0	9.4	8.3	11.3	12.0	7.7	8.6	8.1	7.3	5.9	5.5	5.2	1.0	10.6	17.1	14.7	10.4	11.5	12.4	1.0	17.1	9.1
Mar 17	10.5	8.2	9.4	10.5	6.0	7.4	8.5	6.1	13.3	12.9	18.0	18.0	17.6	19.5	17.3	24.4	20.5	14.7	17.3	17.5	13.5	14.5	16.0	15.7	6.0	24.4	14.1
Mar 18	7.5	4.3	3.5	4.3	4.4	4.4	4.7	1.7	1.1	7.2	10.4	14.8	15.0	17.3	21.3	24.2	19.0	17.5	15.5	13.4	11.1	9.8	8.9	10.2	1.1	24.2	10.5
Mar 19	8.8	9.3	10.6	12.4	11.9	11.0	8.9	11.4	10.7	10.9	10.9	9.3	9.0	9.9	10.0	11.7	12.7	13.5	17.2	19.3	17.1	15.9	17.8	16.5	8.8	19.3	12.4
Mar 20	18.9	17.5	14.4	13.7	14.7	14.5	12.1	12.5	14.4	15.4	11.9	12.3	13.5	9.0	7.2	7.9	9.0	15.9	15.9	16.0	15.5	14.7	13.4	14.5	7.2	18.9	13.5
Mar 21	12.7	14.7	13.3	12.1	12.8	14.0	14.4	16.1	15.9	13.5	13.6	12.0	15.1	15.3	13.2	12.4	12.9	11.3	10.6	7.1	1.0	1.1	8.6	10.6	1.0	16.1	11.8
Mar 22	6.5	6.9	5.9	10.0	7.6	4.3	5.3	7.0	8.2	12.0	16.7	17.2	15.7	13.4	15.5	11.9	11.6	10.6	13.1	11.6	13.1	12.1	11.3	12.9	4.3	17.2	10.9
Mar 23	12.0	13.8	11.5	8.5	6.7	8.8	9.2	6.9	7.1	12.9	13.5	10.6	12.6	12.5	11.8	9.4	10.8	13.1	9.8	11.8	15.7	15.3	14.4	12.7	6.7	15.7	11.3
Mar 24	9.5	10.1	10.6	9.9	7.8	5.5	8.2	11.0	13.5	10.6	8.9	10.2	6.2	2.9	6.0	7.1	6.8	7.5	11.1	14.7	13.3	16.8	18.2	17.5	2.9	18.2	10.2
Mar 25	14.7	14.4	13.4	13.4	14.4	14.8	16.9	18.4	18.0	15.2	15.3	13.0	13.4	14.4	15.0	16.5	19.9	20.3	17.8	18.8	19.4	18.2	15.8	12.9	12.9	20.3	16.0
Mar 26	9.0	9.8	10.2	10.8	9.1	8.5	9.2	9.9	10.3	9.4	6.2	1.9	4.3	7.5	4.3	3.6	3.0	1.8	4.3	11.5	12.5	10.9	10.7	9.5	1.8	12.5	7.8
Mar 27	7.3	10.1	5.8	8.0	8.3	6.2	9.0	7.6	9.9	10.5	12.1	14.2	15.3	15.1	16.5	17.0	15.2	13.1	16.3	12.5	14.8	10.4	8.6	10.7	5.8	17.0	11.4
Mar 28	11.9	12.0	12.2	12.3	14.0	14.7	13.2	12.1	13.0	13.0	10.9	11.4	13.7	11.9	13.4	14.0	12.7	14.4	14.4	11.9	14.9	16.1	11.1	8.1	8.1	16.1	12.8
Mar 29	3.6	2.7	**0.2**	3.6	4.0	5.9	3.0	2.6	3.8	2.3	4.4	3.6	4.7	4.5	0.6	4.6	5.8	3.7	6.3	8.5	10.1	11.9	11.5	12.7	**0.2**	12.7	**5.2**
Mar 30	12.5	15.0	13.9	12.8	15.1	16.1	13.7	14.8	16.5	15.5	13.4	15.0	13.5	7.2	7.3	5.0	4.8	3.4	2.8	2.0	1.9	7.1	7.1	5.7	1.9	16.5	10.1
Mar 31	4.5	5.1	3.5	3.9	4.2	5.6	9.9	14.5	10.3	17.6	21.0	23.4	27.3	28.3	26.1	29.7	**30.1**	22.5	21.0	25.6	24.6	27.0	16.9	23.5	3.5	**30.1**	**17.8**
Diurnal Maximum	19.2	20.1	17.8	18.1	17.6	18.0	18.7	18.4	18.0	18.9	21.7	25.4	27.3	28.3	26.1	29.7	30.1	22.7	21.0	25.6	24.6	27.0	21.4	23.5			
Diurnal Average	11.0	11.1	10.3	10.2	10.2	9.9	10.0	10.1	10.3	12.2	12.6	12.9	13.5	13.0	12.5	12.8	12.6	11.4	11.1	11.4	11.6	11.9	11.9	12.5			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



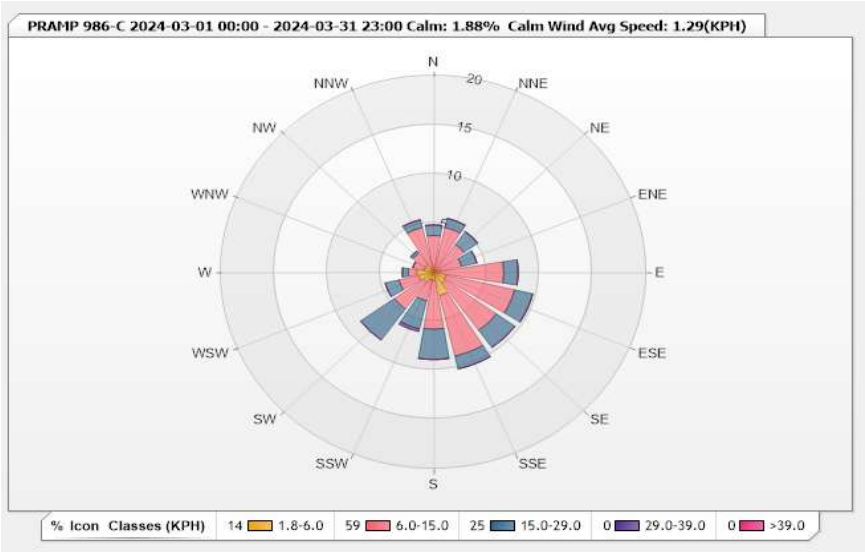


Station: PRAMP 986-C Monitor: WDS [KPH] Monthly: 03-2024

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 1.88% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.27	3.49	1.08	0	0	4.84
NNE	0	4.7	0.94	0	0	5.64
NE	0	3.49	1.61	0	0	5.1
ENE	0.13	2.55	1.48	0	0	4.16
E	0.54	6.05	1.34	0	0	7.93
ESE	1.21	6.59	1.75	0	0	9.55
SE	1.34	5.91	2.15	0	0	9.4
SSE	2.42	6.32	1.34	0	0	10.08
S	0.81	4.97	3.09	0	0	8.87
SSW	0.81	2.15	2.96	0.27	0	6.19
SW	1.21	3.36	3.9	0	0	8.47
WSW	1.48	1.88	1.34	0	0	4.7
W	1.61	0.81	0.54	0	0	2.96
WNW	0.94	1.08	0	0	0	2.02
NW	0.94	1.48	0.27	0	0	2.69
NNW	0.4	4.3	0.81	0	0	5.51
Summary	14.11	59.13	24.6	0.27	0	98.11



Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

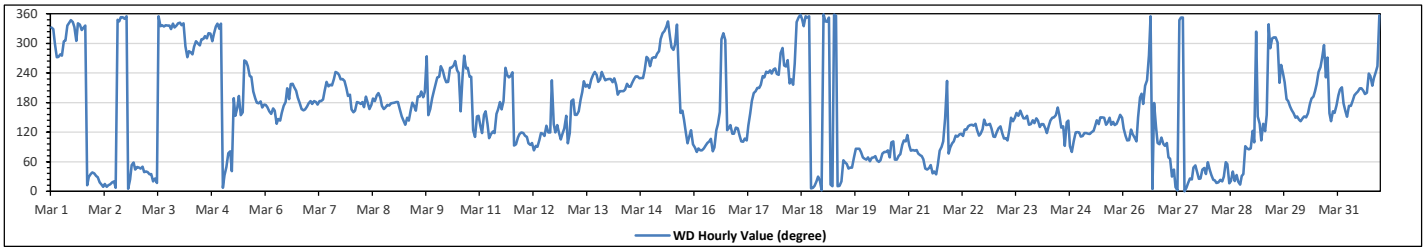
WIND DIRECTION (VWD) in sector

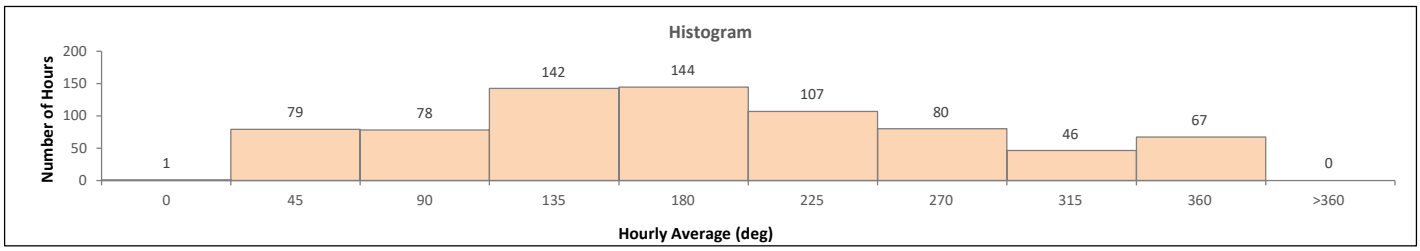
Monthly Average:	145 (SE)	degree	
Hours in Service:	744		
Hours of Data:	744		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Mar 1	NNW	NNW	WNW	W	W	W	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	WNW	NNW	NNW	NW	NNW	NNW	NNE	NNE	NE	NE	337	NNW
Mar 2	NE	NNE	NNE	NNE	NNE	N	NNE	N	NNE	NNE	NNE	NNE	N	NNW	NNW	N	N	N	N	N	NNE	NE	ENE	NE	16	NNE
Mar 3	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	12	NNE
Mar 4	NNW	NNW	NNW	WNW	W	WNW	W	W	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	WNW	NW	NNW	NNW	NNW	NNW	315	NW
Mar 5	N	NNE	NE	ENE	E	NE	S	SSE	SSE	S	SSE	SSE	W	W	WSW	SW	SW	SSW	S	S	S	S	SSE	S	184	S
Mar 6	S	S	SSE	SSE	SSE	SSE	SE	SE	SE	SSE	S	S	SSW	S	SW	SW	SSW	SSW	S	S	SSE	SSE	SSE	S	179	S
Mar 7	S	S	S	S	S	S	S	S	S	SSW	SW	SSW	SW	SSW	SW	WSW	WSW	SW	SW	SW	SW	SSW	S	SSW	208	SSW
Mar 8	SSE	SSE	SSE	S	S	S	S	S	S	S	SSE	S	S	S	SSW	SSW	S	S	SSE	SSE	S	S	S	S	178	S
Mar 9	S	S	S	SSE	SSE	SE	SE	SSE	SE	SSE	S	S	SSE	S	S	SSW	S	SSW	W	SSE	SSE	S	SSW	SW	178	S
Mar 10	SW	SW	WSW	WSW	SW	SW	SW	WSW	WSW	WSW	W	WSW	WSW	SSE	SW	W	WSW	WSW	SW	SW	ESE	ESE	SSE	SSE	231	SW
Mar 11	SE	ESE	SSE	SSE	SE	ESE	ESE	ESE	ESE	SSE	SSE	S	SSE	S	WSW	SW	SW	SW	WSW	E	E	ESE	ESE	ESE	147	SE
Mar 12	ESE	ESE	ESE	E	E	E	E	E	E	ESE	ESE	ESE	ESE	SE	ESE	ESE	SW	SE	ESE	SE	ESE	ESE	ESE	SE	110	ESE
Mar 13	SSE	E	ESE	S	S	SSE	SSE	SSE	S	SSW	SW	SSW	SW	SSW	SW	SW	WSW	SW	SW	SW	WSW	SW	SW	SW	217	SW
Mar 14	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	WSW	W	W	WSW	226	SW
Mar 15	W	W	W	W	WNW	NW	NW	NW	NNW	NNW	NW	WNW	WNW	WNW	NNW	WSW	SSE	SSE	SE	ESE	E	ESE	ESE	E	305	WNW
Mar 16	E	E	E	E	E	E	E	E	E	ESE	E	E	ESE	SE	SSE	NW	NW	NW	ESE	SE	SE	ESE	ESE	SE	107	ESE
Mar 17	SE	ESE	E	E	ESE	ESE	SE	SSE	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	213	SSW
Mar 18	W	WNW	WSW	WSW	W	SW	SW	SW	WSW	NNW	N	N	NNW	NNW	N	N	N	N	N	NNE	NNE	NNE	NNE	N	350	N
Mar 19	N	NNW	NNW	N	NNE	N	N	N	N	NNE	NNE	ENE	ENE	NE	NE	NE	NE	ENE	E	E	E	E	ENE	ENE	43	NE
Mar 20	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	E	E	ENE	ENE	ENE	ENE	E	ESE	E	ESE	77	ENE
Mar 21	E	E	E	E	E	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	SE	SW	ENE	E	67	ENE
Mar 22	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	ESE	126	SE
Mar 23	ESE	ESE	SE	SE	ESE	ESE	ESE	ESE	SE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	SE	SE	SE	SE	SE	138	SE
Mar 24	SE	SE	SE	SE	SE	ESE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	E	SE	SE	E	E	E	ESE	ESE	ESE	128	SE
Mar 25	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SSE	SSE	SSE	SE	SE	SSE	SE	SE	SE	SE	SE	SSE	SSE	134	SE
Mar 26	SE	ESE	ESE	ESE	SE	ESE	ESE	E	SSE	S	SSW	S	SSW	SW	W	N	N	S	SE	E	E	ESE	E	E	120	ESE
Mar 27	E	ENE	ENE	NNE	NE	N	N	NNW	N	N	N	N	NNE	NNE	NNE	NE	NE	NE	NNE	NNE	NE	NE	NE	ENE	30	NNE
Mar 28	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ENE	NE	NNE	NNE	NE	NNE	NNE	NNE	NNE	NNE	NE	E	E	E	E	37	NE
Mar 29	ESE	E	NW	SSE	SE	ESE	SE	ESE	SSE	NNW	WNW	NW	NW	NW	WNW	SW	WSW	WSW	SW	S	S	S	SSE	SSE	181	S
Mar 30	SSE	SSE	SE	SE	SE	SSE	SSE	SSE	S	S	S	SSW	SW	WSW	WSW	W	WNW	SW	W	SSE	SE	SSE	SSE	S	175	S
Mar 31	SSW	SSW	SSW	S	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW	SW	SSW	SW	WSW	WSW	N	212	SSW

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

986-C Station - March 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	30.1	kph	on Mar 31 at hr 16	Hours in Service:	744
Maximum Daily Value:	17.8	kph	on Mar 31	Hours of Data:	744
Minimum Hourly Value:	0.2	kph	on Mar 29 at hr 2	Hours of Missing Data:	0
Minimum Daily Value:	5.2	kph	on Mar 29	Hours of Calibration:	0
Monthly Average:	3.0	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 145 degree (SE)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	13.9	9.3	6.8	5.0	6.7	5.0	4.0	5.2	6.3	14.6	14.3	11.5	9.3	6.1	4.2	7.8	6.9	7.0	6.0	3.0	6.4	9.4	7.9	14.7	3.0	14.7	8.0
	NNW	NNW	WNW	W	W	W	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	WNW	NNW	NNW	NW	NNW	NNW	NNE	NNE	NE	NE			337(NNW)
Mar 2	18.0	15.8	12.6	13.7	13.4	13.0	11.8	10.7	11.9	14.6	14.6	13.3	12.6	12.2	14.6	14.6	12.7	12.0	12.6	11.0	8.0	13.7	16.7	16.0	8.0	18.0	13.3
	NE	NNE	NNE	NNE	NNE	N	NNE	N	NNE	NNE	NNE	NNE	N	NNW	NNW	N	N	N	N	N	NNE	NE	ENE	NE			16(NNE)
Mar 3	15.5	16.4	16.6	13.9	15.9	14.5	16.4	14.6	15.1	17.6	15.0	15.1	17.5	16.0	15.7	15.8	17.7	15.1	10.4	7.5	6.6	4.6	6.1	6.5	4.6	17.7	13.6
	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW			12(NNE)
Mar 4	7.2	6.5	7.1	4.4	5.0	3.7	2.9	3.7	5.3	7.6	7.1	9.3	11.5	12.3	12.8	12.3	11.9	9.1	8.7	7.1	8.8	7.6	8.5	9.6	2.9	12.8	7.9
	NNW	NNW	NNW	WNW	W	WNW	W	W	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	WNW	NW	NNW	NNW	NNW	NNW			315(NW)
Mar 5	10.5	10.8	8.1	6.5	2.7	0.9	1.9	2.8	1.7	3.8	1.8	2.9	5.1	6.2	5.2	6.4	9.7	7.8	8.5	9.0	11.7	10.4	12.4	13.8	0.9	13.8	6.7
	N	NNE	NE	ENE	E	NE	S	SSE	SSE	S	SSE	SSE	W	W	WSW	SW	SW	SSW	S	S	S	S	SSE	S			184(S)
Mar 6	12.7	11.2	12.5	11.6	9.6	8.6	6.2	5.9	6.9	11.8	12.0	13.6	14.2	16.3	13.3	13.3	14.3	12.1	11.2	13.7	17.0	8.8	8.9	12.3	5.9	17.0	11.6
	S	S	SSE	SSE	SSE	SSE	SE	SE	SE	SSE	S	S	SSW	S	SW	SW	SSW	SSW	S	S	SSE	SSE	SSE	S			179(S)
Mar 7	19.2	11.5	12.9	15.7	14.3	14.7	16.1	11.9	9.5	14.0	19.6	23.4	27.2	23.3	21.9	19.7	20.7	18.9	13.1	13.7	10.9	13.2	8.6	12.5	8.6	27.2	16.1
	S	S	S	S	S	S	S	S	S	SSW	SW	SSW	SW	SSW	SW	WSW	WSW	SW	SW	SW	SW	SSW	S	SSW			208(SSW)
Mar 8	9.6	11.2	8.8	13.0	14.2	16.7	18.7	16.1	12.4	15.9	21.7	21.8	26.1	24.0	18.8	17.6	18.4	17.5	16.1	18.8	19.9	17.3	18.1	21.4	8.8	26.1	17.3
	SSE	SSE	SSE	S	S	S	S	S	S	S	SSE	S	S	S	SSW	SSW	S	S	SSE	SSE	S	S	S	S			178(S)
Mar 9	17.5	20.1	17.8	18.1	10.3	8.4	6.1	9.9	6.6	9.4	13.4	12.1	12.2	15.9	15.9	17.4	11.2	2.0	3.6	2.6	2.5	2.9	4.5	8.1	2.0	20.1	10.4
	S	S	S	SSE	SSE	SE	SE	SSE	SE	SSE	S	S	SSE	S	S	SSW	S	SSW	W	SSE	SSE	S	SSW	SW			178(S)
Mar 10	3.2	10.6	10.6	10.3	17.6	18.0	15.9	10.5	10.5	8.1	6.3	5.6	4.3	4.6	4.1	5.0	5.6	4.5	7.8	5.6	3.5	7.6	4.5	4.5	3.2	18.0	7.9
	SW	SW	WSW	WSW	SW	SW	SW	WSW	WSW	WSW	W	WSW	WSW	SSE	SW	W	WSW	WSW	SW	SW	ESE	ESE	SSE	SSE			231(SW)
Mar 11	4.2	7.4	9.9	8.6	10.6	8.0	11.5	6.9	9.2	9.7	7.7	7.1	11.6	8.0	8.2	8.2	10.0	9.5	5.5	2.9	11.2	13.8	16.2	17.4	2.9	17.4	9.3
	SE	ESE	SSE	SSE	SE	ESE	ESE	ESE	ESE	SSE	SSE	S	SSE	S	WSW	SW	SW	SW	WSW	E	E	ESE	ESE	ESE			147(SE)
Mar 12	16.5	16.9	16.7	15.1	16.8	15.0	10.0	15.0	11.7	18.9	18.4	18.4	12.4	11.4	6.8	5.8	2.2	10.7	5.7	4.0	1.7	6.9	7.7	4.4	1.7	18.9	11.2
	ESE	ESE	ESE	E	E	E	E	E	E	ESE	ESE	ESE	ESE	SE	ESE	ESE	SW	SE	ESE	SE	ESE	ESE	ESE	SE			110(ESE)
Mar 13	3.2	4.2	6.8	2.3	6.4	6.1	3.6	5.8	8.7	8.9	14.1	16.8	15.8	20.2	19.9	22.7	19.9	17.3	10.7	12.5	14.2	13.8	15.2	17.1	2.3	22.7	11.9
	SSE	E	ESE	S	S	SSE	SSE	SSE	S	SSW	SW	SSW	SW	SSW	SW	SW	WSW	SW	SW	SW	WSW	SW	SW	SW			217(SW)
Mar 14	14.8	12.3	11.8	12.5	9.9	9.7	12.2	15.7	15.6	16.7	19.9	25.4	24.3	21.7	23.2	24.3	26.2	22.7	19.4	16.7	13.1	16.9	21.4	13.7	9.7	26.2	17.5
	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	WSW	W	W	WSW			226(SW)
Mar 15	15.9	18.0	14.0	11.4	12.6	13.7	16.8	16.7	11.7	14.2	10.1	8.4	9.7	10.2	10.9	1.9	1.7	3.7	1.8	7.1	11.0	10.5	10.6	9.6	1.7	18.0	10.5
	W	W	W	W	WNW	NW	NW	NW	NNW	NNW	NW	WNW	WNW	WNW	NNW	WSW	SSE	SSE	SE	ESE	E	ESE	ESE	E			305(WNW)
Mar 16	8.5	7.9	8.5	8.3	9.3	10.0	9.4	8.3	11.3	12.0	7.7	8.6	8.1	7.3	5.9	5.5	5.2	1.0	10.6	17.1	14.7	10.4	11.5	12.4	1.0	17.1	9.1
	E	E	E	E	E	E	E	E	E	ESE	E	E	ESE	SE	SSE	NW	NW	NW	ESE	SE	SE	ESE	ESE	SE			107(ESE)
Mar 17	10.5	8.2	9.4	10.5	6.0	7.4	8.5	6.1	13.3	12.9	18.0	18.0	17.6	19.5	17.3	24.4	20.5	14.7	17.3	17.5	13.5	14.5	16.0	15.7	6.0	24.4	14.1
	SE	ESE	E	E	ESE	ESE	SE	SSE	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW			213(SSW)
Mar 18	7.5	4.3	3.5	4.3	4.4	4.4	4.7	1.7	1.1	7.2	10.4	14.8	15.0	17.3	21.3	24.2	19.0	17.5	15.5	13.4	11.1	9.8	8.9	10.2	1.1	24.2	10.5
	W	WNW	WSW	WSW	W	SW	SW	SW	WSW	NNW	N	N	NNW	NNW	N	N	N	N	N	NNE	NNE	NNE	NNE	N			350(N)
Mar 19	8.8	9.3	10.6	12.4	11.9	11.0	8.9	11.4	10.7	10.9	10.9	9.3	9.0	9.9	10.0	11.7	12.7	13.5	17.2	19.3	17.1	15.9	17.8	16.5	8.8	19.3	12.4
	N	NNW	NNW	N	NNE	N	N	N	N	NNE	NNE	ENE	ENE	NE	NE	NE	NE	ENE	E	E	E	E	ENE	ENE			43(NE)
Mar 20	18.9	17.5	14.4	13.7	14.7	14.5	12.1	12.5	14.4	15.4	11.9	12.3	13.5	9.0	7.2	7.9	9.0	15.9	15.9	16.0	15.5	14.7	13.4	14.5	7.2	18.9	13.5
	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	E	E	ENE	ENE	ENE	ENE	E	ESE	E	ESE			77(ENE)
Mar 21	12.7	14.7	13.3	12.1	12.8	14.0	14.4	16.1	15.9	13.5	13.6	12.0	15.1	15.3	13.2	12.4	12.9	11.3	10.6	7.1	1.0	1.1	8.6	10.6	1.0	16.1	11.8
	E	E	E	E	E	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	SE	SW	ENE	E			67(ENE)
Mar 22	6.5	6.9	5.9	10.0	7.6	4.3	5.3	7.0	8.2	12.0	16.7	17.2	15.7	13.4	15.5	11.9	11.6	10.6	13.1	11.6	13.1	12.1	11.3	12.9	4.3	17.2	10.9
	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	ESE			126(SE)
Mar 23	12.0	13.8	11.5	8.5	6.7	8.8	9.2	6.9	7.1	12.9	13.5	10.6	12.6	12.5	11.8	9.4	10.8	13.1	9.8	11.8	15.7	15.3	14.4	12.7	6.7	15.7	11.3
	ESE	ESE	SE	SE	ESE	ESE	ESE	ESE	SE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	SE	SE	SE	SE	SE			138(SE)
Mar 24	9.5	10.1	10.6	9.9	7.8	5.5	8.2	11.0	13.5	10.6	8.9	10.2	6.2	2.9	6.0	7.1	6.8	7.5	11.1	14.7	13.3	16.8	18.2	17.5	2.9	18.2	10.2
	SE	SE	SE	SE	SE	ESE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	E	SE	SE	E	E	E	ESE	ESE	ESE			128(SE)
Mar 25	14.7	14.4	13.4	13.4	14.4	14.8	16.9	18.4	18.0	15.2	15.3	13.0	13.4	14.4	15.0	16.5	19.9	20.3	17.8	18.8	19.4	18.2	15.8	12.9	12.9	20.3	16.0
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SSE	SSE	SSE	SE	SE	SSE	SE	SE	SE	SE	SE	SSE	SSE			134(SE)
Mar 26	9.0	9.8	10.2	10.8	9.1	8.5	9.2	9.9	10.3	9.4	6.2	1.9	4.3	7.5	4.3	3.6	3.0	1.8	4.3	11.5	12.5	10.9	10.7	9.5	1.8	12.5	7.8
	SE	ESE	ESE	ESE	SE	ESE	ESE	E	SSE	S	SSW	S	SSW	SW	W	N	N	S	SE	E	E	ESE	E	E			120(ESE)
Mar 27	7.3	10.1	5.8	8.0	8.3	6.2	9.0	7.6	9.9	10.5	12.1	14.2	15.3	15.1	16.5	17.0	15.2	13.1	16.3	12.5	14.8	10.4	8.6	10.7	5.8	17.0	11.4
	E	ENE	ENE	NNE	NE	N	N	NNW	N	N	N	N	NNE	NNE	NNE	NE	NE	NE	NNE	NNE	NE	NE	NE	ENE			30(NNE)
Mar 28	11.9	12.0	12.2	12.3	14.0	14.7	13.2	12.1	13.0	13.0	10.9	11.4	13.7	11.9	13.4	14.0	12.7	14.4	14.4	11.9	14.9	16.1	11.1	8.1	8.1	16.1	12.8
	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ENE	NE	NNE	NNE	NE	NNE	NNE	NNE	NNE	NNE	NE	E	E	E	E			37(NE)
Mar 29	3.6	2.7	**0.2**	3.6	4.0	5.9	3.0	2.6	3.8	2.3	4.4	3.6	4.7	4.5	0.6	4.6	5.8	3.7	6.3	8.5	10.1	11.9	11.5	12.7	**0.2**	12.7	**5.2**
	ESE	E	NW	SSE	SE	ESE	SE	ESE	SSE	NNW	WNW	NW	NW	NW	WNW	SW	WSW	WSW	SW	S	S	S	SSE	SSE			181(S)
Mar 30	12.5	15.0	13.9	12.8	15.1	16.1	13.7	14.8	16.5	15.5	13.4	15.0	13.5	7.2	7.3	5.0	4.8	3.4	2.8	2.0	1.9	7.1	7.1	5.7	1.9	16.5	10.1
	SSE	SSE	SE	SE	SE	SSE	SSE	SSE	S	S	S	SSW	SW	WSW	WSW	W	WNW	SW	W	SSE	SE	SSE	SSE	S			175(S)
Mar 31	4.5	5.1	3.5	3.9	4.2	5.6	9.9	14.5	10.3	17.6	21.0	23.4	27.3	28.3	26.1	29.7	**30.1**	22.5	21.0	25.6	24.6	27.0	16.9	23.5	3.5	**30.1**	**17.8**
	SSW	SSW	SSW	S	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW	SW	SSW	SW	WSW	WSW	N			212(SSW)

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

842-B STATION

Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

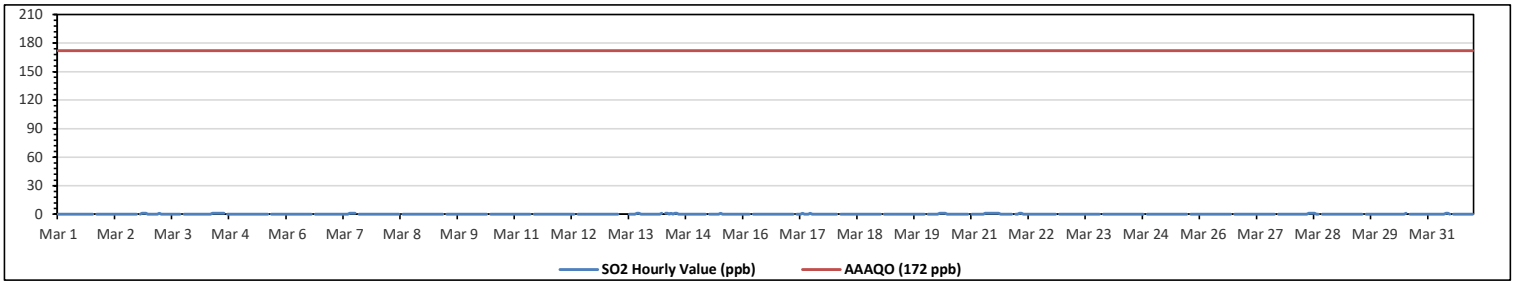
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

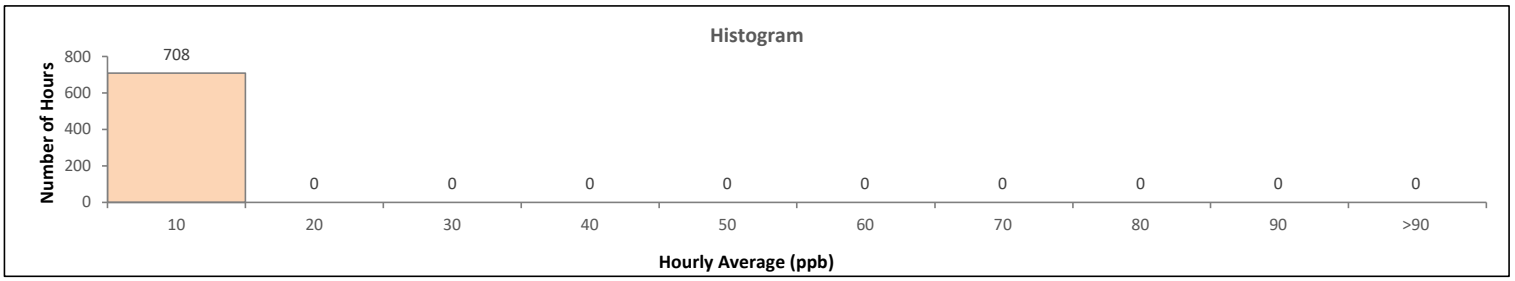
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on Mar 2 at hr 20	Hours in Service:	744	
Maximum Daily Value:	0.3	ppb	on Mar 21	Hours of Data:	708	
Minimum Hourly Value:	0	ppb	on Mar 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Mar 1	Hours of Calibration:	36	
Monthly Average:	0.1	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Mar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	1	1	0	0	1	0.1
Mar 3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0.0
Mar 4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	S	0	0	0	0	0	0	0	0	1	0.3
Mar 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Mar 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 7	0	0	0	0	0	0	0	0	0	1	1	1	1	S	0	0	0	0	0	0	0	0	0	0	0	1	0.2
Mar 8	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 9	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 10	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 11	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 12	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 13	0	0	0	0	0	0	0	S	C	C	C	C	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0.1
Mar 14	0	0	0	0	0	1	S	1	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0.3
Mar 15	0	0	0	0	0	S	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Mar 16	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 17	0	0	0	S	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 18	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 19	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 20	S	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0.2
Mar 21	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	S	0	0	1	0.3
Mar 22	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	1	0.1
Mar 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Mar 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Mar 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Mar 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Mar 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Mar 28	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	S	0	0	0	0	0	0	0	0	0	1	0.2
Mar 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 30	0	0	0	0	0	0	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Mar 31	0	0	0	0	0	0	0	0	0	1	1	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Diurnal Maximum	0	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



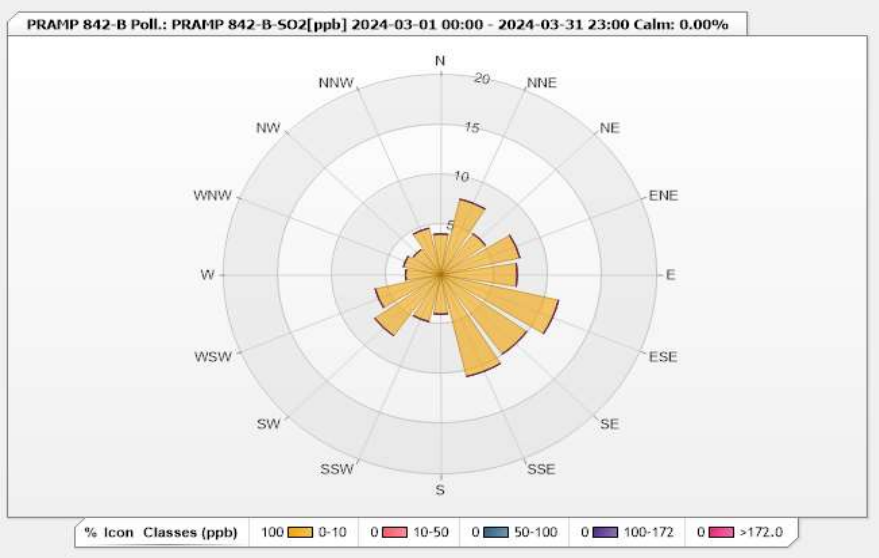


Station: PRAMP 842-B Poll.: PRAMP 842-B-SO2[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.16% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	4.1	0	0	0	0	4.1
NNE	7.77	0	0	0	0	7.77
NE	5.08	0	0	0	0	5.08
ENE	7.49	0	0	0	0	7.49
E	7.06	0	0	0	0	7.06
ESE	11.16	0	0	0	0	11.16
SE	9.75	0	0	0	0	9.75
SSE	10.45	0	0	0	0	10.45
S	3.95	0	0	0	0	3.95
SSW	4.8	0	0	0	0	4.8
SW	7.49	0	0	0	0	7.49
WSW	6.21	0	0	0	0	6.21
W	3.25	0	0	0	0	3.25
WNW	3.53	0	0	0	0	3.53
NW	3.11	0	0	0	0	3.11
NNW	4.8	0	0	0	0	4.8
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

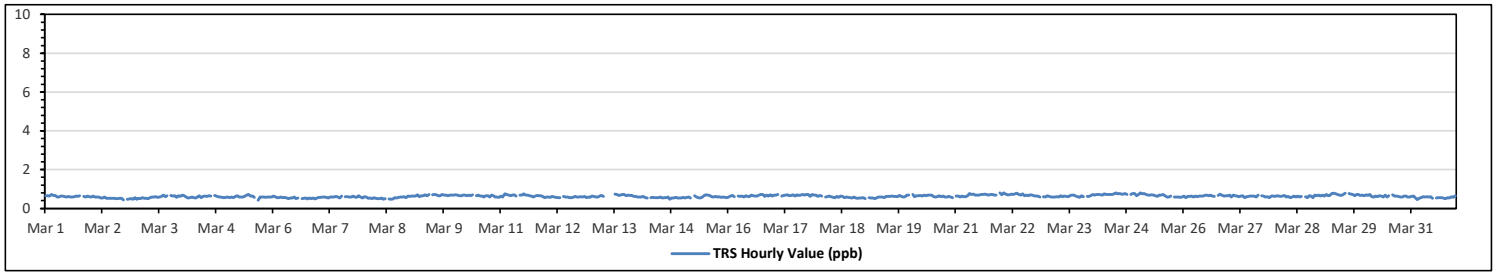
TOTAL REDUCED SULPHUR (TRS) in ppb

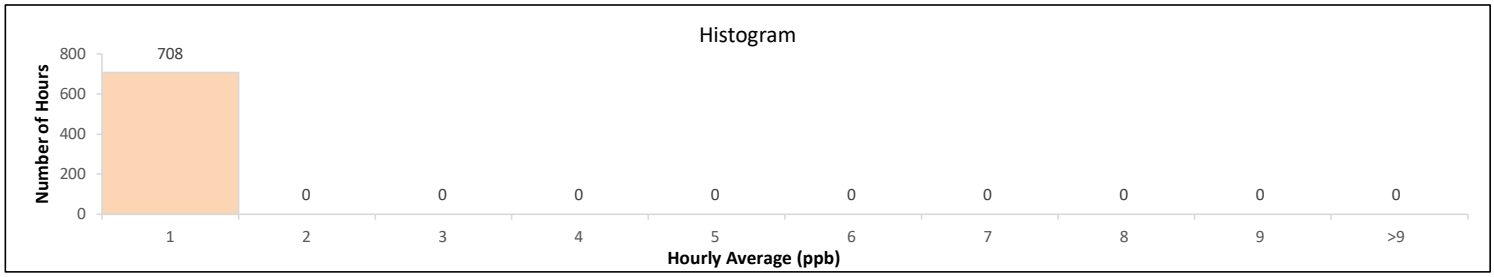
Maximum Hourly Value:	0.81	ppb	on Mar 24 at hr 12	Hours in Service:	744
Maximum Daily Value:	0.73	ppb	on Mar 24	Hours of Data:	708
Minimum Hourly Value:	0.43	ppb	on Mar 5 at hr 16	Hours of Missing Data:	0
Minimum Daily Value:	0.53	ppb	on Mar 2	Hours of Calibration:	36
Monthly Average:	0.62	ppb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0.66	0.65	0.63	0.71	0.67	0.67	0.6	0.6	0.63	0.64	0.61	0.6	0.62	0.6	0.59	0.61	0.64	0.62	0.66	S	0.62	0.6	0.63	0.61	0.59	0.71	0.63
Mar 2	0.58	0.63	0.58	0.58	0.59	0.54	0.54	0.58	0.52	0.52	0.52	0.52	0.52	0.5	0.51	0.52	0.52	0.44	S	0.48	0.49	0.5	0.48	0.55	0.44	0.63	0.53
Mar 3	0.48	0.52	0.51	0.55	0.52	0.52	0.51	0.56	0.59	0.6	0.61	0.57	0.6	0.62	0.69	0.61	0.65	S	0.67	0.63	0.66	0.57	0.66	0.62	0.48	0.69	0.59
Mar 4	0.68	0.66	0.58	0.53	0.56	0.58	0.55	0.54	0.6	0.66	0.56	0.62	0.64	0.62	0.66	0.63	S	0.67	0.63	0.61	0.59	0.57	0.55	0.57	0.53	0.68	0.60
Mar 5	0.58	0.56	0.59	0.55	0.62	0.66	0.6	0.6	0.6	0.63	0.69	0.72	0.64	0.63	0.57	S	0.43	0.6	0.59	0.59	0.57	0.59	0.59	0.59	0.43	0.72	0.60
Mar 6	0.63	0.61	0.56	0.55	0.58	0.56	0.57	0.54	0.5	0.53	0.53	0.59	0.5	0.54	S	0.5	0.52	0.54	0.49	0.54	0.51	0.54	0.49	0.53	0.49	0.63	0.54
Mar 7	0.57	0.57	0.59	0.6	0.57	0.54	0.58	0.58	0.6	0.62	0.58	0.53	0.64	S	0.61	0.61	0.6	0.6	0.63	0.58	0.57	0.65	0.58	0.54	0.53	0.65	0.59
Mar 8	0.61	0.58	0.52	0.54	0.5	0.56	0.52	0.51	0.51	0.53	0.48	0.5	S	0.49	0.48	0.49	0.56	0.54	0.57	0.59	0.6	0.61	0.56	0.63	0.48	0.63	0.54
Mar 9	0.62	0.63	0.64	0.64	0.7	0.61	0.66	0.66	0.7	0.65	0.71	S	0.7	0.72	0.7	0.65	0.66	0.73	0.69	0.68	0.66	0.68	0.68	0.69	0.61	0.73	0.67
Mar 10	0.7	0.68	0.66	0.66	0.68	0.69	0.66	0.68	0.66	0.7	S	0.66	0.68	0.64	0.64	0.6	0.65	0.65	0.6	0.69	0.66	0.6	0.6	0.57	0.57	0.70	0.65
Mar 11	0.64	0.59	0.75	0.72	0.69	0.65	0.69	0.7	0.63	S	0.69	0.68	0.75	0.69	0.69	0.65	0.64	0.6	0.63	0.67	0.65	0.65	0.62	0.55	0.55	0.75	0.66
Mar 12	0.58	0.6	0.57	0.62	0.6	0.57	0.56	0.56	S	0.62	0.6	0.58	0.56	0.55	0.57	0.62	0.58	0.59	0.61	0.6	0.62	0.55	0.59	0.57	0.55	0.62	0.59
Mar 13	0.64	0.62	0.58	0.59	0.63	0.67	0.62	S	C	C	C	C	0.74	0.72	0.67	0.68	0.71	0.73	0.66	0.68	0.67	0.67	0.62	0.62	0.58	0.74	0.66
Mar 14	0.59	0.59	0.6	0.62	0.55	0.53	S	0.56	0.57	0.55	0.55	0.55	0.58	0.54	0.55	0.55	0.59	0.48	0.54	0.53	0.57	0.54	0.53	0.54	0.48	0.62	0.56
Mar 15	0.57	0.53	0.57	0.6	0.54	S	0.65	0.58	0.56	0.53	0.57	0.65	0.7	0.68	0.67	0.61	0.58	0.62	0.59	0.61	0.57	0.59	0.57	0.55	0.53	0.70	0.60
Mar 16	0.59	0.63	0.67	0.61	S	0.64	0.62	0.64	0.6	0.65	0.62	0.61	0.69	0.65	0.64	0.64	0.68	0.72	0.71	0.62	0.68	0.64	0.7	0.64	0.59	0.72	0.65
Mar 17	0.69	0.68	0.72	S	0.64	0.67	0.69	0.7	0.66	0.67	0.7	0.64	0.7	0.67	0.68	0.71	0.69	0.73	0.72	0.62	0.72	0.68	0.69	0.62	0.62	0.73	0.68
Mar 18	0.67	0.63	S	0.59	0.61	0.63	0.61	0.57	0.55	0.62	0.57	0.64	0.62	0.55	0.58	0.57	0.56	0.54	0.58	0.54	0.52	0.53	0.53	0.56	0.52	0.67	0.58
Mar 19	0.51	S	0.56	0.53	0.53	0.51	0.54	0.59	0.59	0.59	0.56	0.62	0.62	0.62	0.64	0.62	0.62	0.61	0.67	0.62	0.6	0.61	0.68	0.69	0.51	0.69	0.60
Mar 20	S	0.72	0.61	0.65	0.65	0.67	0.64	0.69	0.65	0.68	0.68	0.69	0.61	0.58	0.61	0.65	0.61	0.64	0.6	0.6	0.62	0.6	0.55	S	0.55	0.72	0.64
Mar 21	0.63	0.63	0.6	0.64	0.61	0.61	0.65	0.76	0.72	0.74	0.68	0.69	0.69	0.72	0.71	0.74	0.73	0.68	0.72	0.71	0.69	0.68	S	0.8	0.60	0.80	0.69
Mar 22	0.7	0.8	0.74	0.7	0.7	0.74	0.71	0.75	0.79	0.71	0.68	0.75	0.66	0.69	0.66	0.7	0.68	0.65	0.64	0.64	0.59	S	0.61	0.6	0.59	0.80	0.69
Mar 23	0.65	0.62	0.58	0.58	0.59	0.61	0.6	0.65	0.61	0.63	0.62	0.61	0.67	0.68	0.69	0.64	0.61	0.57	0.65	0.61	S	0.62	0.62	0.67	0.57	0.69	0.63
Mar 24	0.71	0.69	0.71	0.72	0.7	0.69	0.75	0.71	0.71	0.71	0.73	0.74	**0.81**	0.75	0.78	0.74	0.74	0.76	0.72	S	0.72	0.76	0.78	0.65	0.65	**0.81**	**0.73**
Mar 25	0.71	0.8	0.75	0.77	0.73	0.69	0.68	0.7	0.69	0.65	0.62	0.69	0.68	0.72	0.66	0.58	0.6	0.64	S	0.6	0.59	0.59	0.57	0.58	0.57	0.80	0.66
Mar 26	0.64	0.56	0.62	0.62	0.64	0.58	0.64	0.61	0.64	0.64	0.63	0.67	0.68	0.66	0.68	0.64	0.62	S	0.67	0.74	0.68	0.63	0.65	0.65	0.56	0.74	0.64
Mar 27	0.68	0.6	0.68	0.65	0.64	0.61	0.63	0.66	0.55	0.61	0.62	0.63	0.63	0.64	0.59	0.68	S	0.66	0.63	0.6	0.61	0.56	0.64	0.64	0.55	0.68	0.63
Mar 28	0.62	0.66	0.63	0.62	0.64	0.67	0.59	0.62	0.56	0.6	0.64	0.6	0.64	0.59	0.62	S	0.61	0.56	0.65	0.63	0.56	0.69	0.65	0.68	0.56	0.69	0.62
Mar 29	0.64	0.68	0.63	0.71	0.66	0.67	0.76	0.79	0.75	0.71	0.69	0.67	0.71	0.79	S	0.76	0.74	0.71	0.66	0.71	0.71	0.67	0.68	0.65	0.63	0.79	0.70
Mar 30	0.7	0.67	0.71	0.61	0.6	0.63	0.61	0.66	0.63	0.59	0.68	0.6	0.65	S	0.7	0.63	0.63	0.62	0.6	0.59	0.63	0.63	0.6	0.58	0.58	0.71	0.63
Mar 31	0.62	0.63	0.53	0.46	0.52	0.56	0.61	0.59	0.61	0.59	0.61	0.52	S	0.54	0.56	0.55	0.55	0.52	0.51	0.56	0.54	0.61	0.57	0.65	0.46	0.65	0.57
Diurnal Maximum	0.71	0.80	0.75	0.77	0.73	0.74	0.76	0.79	0.79	0.74	0.73	0.75	0.81	0.79	0.78	0.76	0.74	0.76	0.72	0.74	0.72	0.76	0.78	0.80			
Diurnal Average	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.63	0.62	0.63	0.62	0.63	0.65	0.63	0.63	0.63	0.62	0.62	0.63	0.62	0.62	0.61	0.61	0.61			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



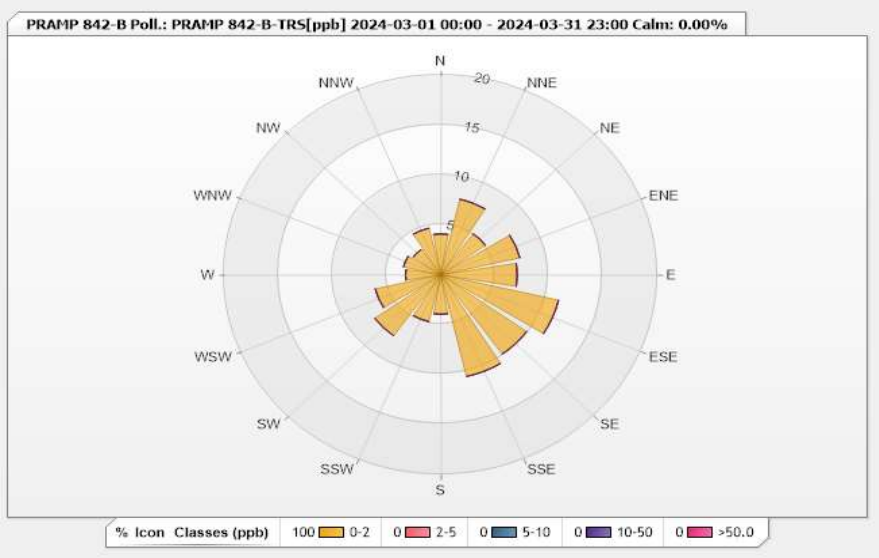


Station: PRAMP 842-B Poll.: PRAMP 842-B-TRS[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.16% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	4.1	0	0	0	0	4.1
NNE	7.77	0	0	0	0	7.77
NE	5.08	0	0	0	0	5.08
ENE	7.49	0	0	0	0	7.49
E	7.06	0	0	0	0	7.06
ESE	11.16	0	0	0	0	11.16
SE	9.75	0	0	0	0	9.75
SSE	10.45	0	0	0	0	10.45
S	3.95	0	0	0	0	3.95
SSW	4.8	0	0	0	0	4.8
SW	7.49	0	0	0	0	7.49
WSW	6.21	0	0	0	0	6.21
W	3.25	0	0	0	0	3.25
WNW	3.53	0	0	0	0	3.53
NW	3.11	0	0	0	0	3.11
NNW	4.8	0	0	0	0	4.8
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

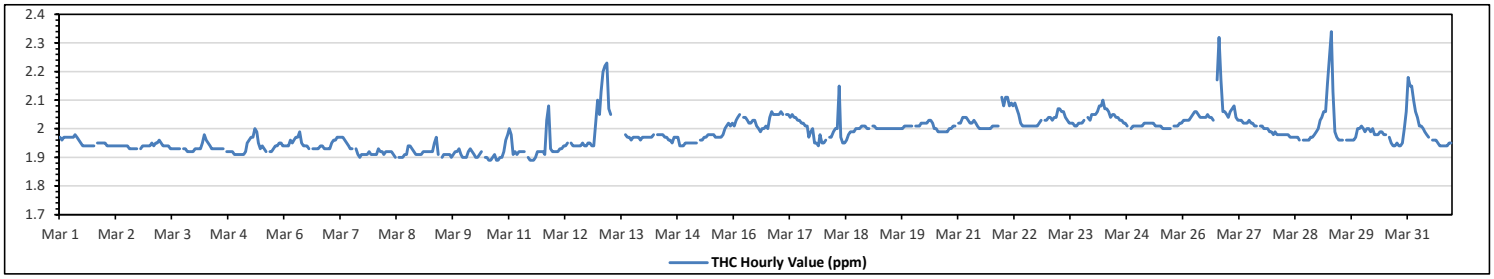
TOTAL HYDROCARBONS (THC) in ppm

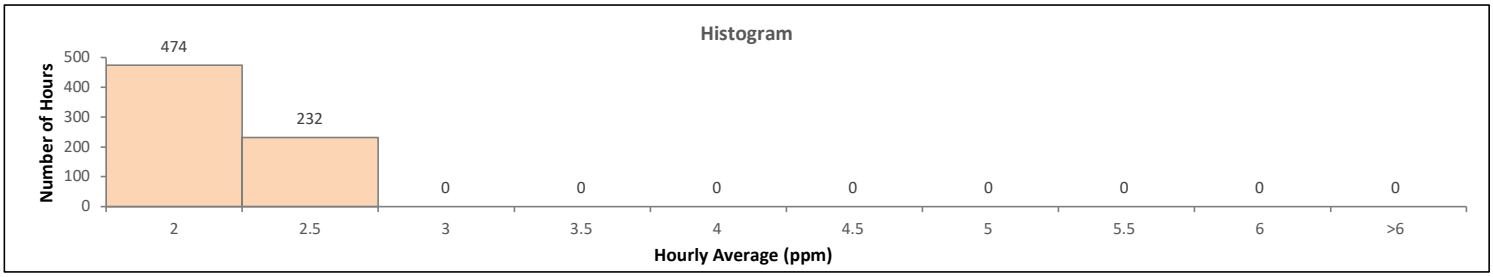
Maximum Hourly Value:	2.34	ppm	on Mar 29 at hr 7	Hours in Service:	744	
Maximum Daily Value:	2.07	ppm	on Mar 26	Hours of Data:	706	
Minimum Hourly Value:	1.89	ppm	on Mar 10 at hr 13	Hours of Missing Data:	1	
Minimum Daily Value:	1.91	ppm	on Mar 10	Hours of Calibration:	37	
Monthly Average:	1.98	ppm		Operational Uptime:	99.9	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	1.97	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.97	1.96	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.95	1.95	1.95	1.95	1.94	1.98	1.96
Mar 2	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.93	S	1.93	1.94	1.94	1.94	1.94	1.93	1.95	1.94
Mar 3	1.94	1.95	1.94	1.95	1.95	1.96	1.95	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.93	S	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.96	1.94
Mar 4	1.93	1.93	1.93	1.93	1.95	1.98	1.96	1.95	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	S	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.91	1.98	1.93
Mar 5	1.91	1.91	1.91	1.92	1.95	1.96	1.97	1.97	2.00	1.99	1.95	1.93	1.94	1.93	1.92	S	1.92	1.92	1.93	1.94	1.94	1.95	1.95	1.94	1.91	2.00	1.94
Mar 6	1.94	1.94	1.94	1.96	1.95	1.96	1.97	1.97	1.99	1.95	1.94	1.94	1.94	1.93	S	1.93	1.93	1.93	1.93	1.94	1.94	1.93	1.93	1.93	1.93	1.99	1.94
Mar 7	1.93	1.95	1.96	1.96	1.97	1.97	1.97	1.97	1.96	1.95	1.94	1.93	1.93	S	1.93	1.91	1.90	1.91	1.91	1.91	1.91	1.92	1.91	1.91	1.90	1.97	1.94
Mar 8	1.91	1.91	1.93	1.92	1.92	1.91	1.92	1.92	1.92	1.92	1.91	1.90	S	1.90	1.90	1.90	1.91	1.91	1.94	1.94	1.93	1.92	1.91	1.91	1.90	1.94	1.92
Mar 9	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.92	1.95	1.97	1.91	S	1.90	1.91	1.91	1.91	1.91	1.90	1.91	1.92	1.92	1.93	1.91	1.90	1.90	1.97	1.92
Mar 10	1.90	1.90	1.92	1.93	1.92	1.91	1.90	1.90	1.91	1.92	S	1.90	1.90	1.89	1.89	1.90	1.91	1.89	1.89	1.90	1.90	1.92	1.96	1.98	1.89	1.98	1.91
Mar 11	2.00	1.98	1.91	1.92	1.91	1.92	1.92	1.92	1.92	S	1.90	1.89	1.89	1.89	1.90	1.92	1.92	1.92	1.92	1.91	2.03	2.08	1.93	1.92	1.89	2.08	1.93
Mar 12	1.92	1.92	1.92	1.93	1.93	1.94	1.94	1.95	S	1.95	1.94	1.94	1.94	1.94	1.94	1.95	1.94	1.94	1.95	1.95	1.94	1.94	2.02	2.10	1.92	2.10	1.95
Mar 13	2.05	2.13	2.20	2.22	2.23	2.07	2.05	S	C	C	C	NRM	C	C	1.98	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.96	1.97	1.96	2.23	NA
Mar 14	1.97	1.97	1.97	1.97	1.97	1.98	S	1.98	1.98	1.98	1.98	1.97	1.97	1.96	1.96	1.95	1.97	1.97	1.97	1.94	1.94	1.94	1.95	1.95	1.94	1.98	1.96
Mar 15	1.95	1.95	1.95	1.95	1.95	S	1.96	1.96	1.97	1.97	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.98	2.00	2.01	2.02	2.01	2.02	1.95	2.02	1.98
Mar 16	2.01	2.03	2.04	2.05	S	2.04	2.04	2.03	2.02	2.02	2.03	2.03	2.01	2.00	1.99	2.00	2.00	2.01	2.00	2.04	2.06	2.05	2.05	2.05	1.99	2.06	2.03
Mar 17	2.05	2.06	2.05	S	2.05	2.05	2.04	2.05	2.04	2.04	2.03	2.03	2.02	2.02	2.01	2.01	1.97	1.99	2.00	1.95	1.95	1.94	1.98	1.95	1.94	2.06	2.01
Mar 18	1.95	1.96	S	1.97	1.97	1.99	2.00	2.00	2.15	1.97	1.95	1.95	1.96	1.98	1.99	1.99	1.99	2.00	2.00	2.00	2.01	2.01	2.01	2.00	1.95	2.15	1.99
Mar 19	2.00	S	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.00	2.01	2.00
Mar 20	S	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.03	2.03	2.02	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.01	2.01	S	1.99	2.03	2.01
Mar 21	2.02	2.02	2.04	2.04	2.04	2.03	2.02	2.02	2.03	2.02	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	S	2.11	2.00	2.11	2.02
Mar 22	2.08	2.11	2.11	2.08	2.09	2.08	2.09	2.07	2.05	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.03	S	2.03	2.03	2.01	2.11	2.04
Mar 23	2.04	2.04	2.03	2.04	2.04	2.07	2.07	2.06	2.06	2.04	2.03	2.02	2.02	2.02	2.01	2.01	2.02	2.02	2.02	2.03	S	2.04	2.03	2.05	2.01	2.07	2.04
Mar 24	2.05	2.05	2.06	2.08	2.08	2.10	2.07	2.07	2.06	2.04	2.05	2.05	2.04	2.04	2.03	2.03	2.02	2.02	2.01	S	2.00	2.01	2.01	2.01	2.00	2.10	2.04
Mar 25	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	S	2.01	2.01	2.01	2.02	2.02	2.00	2.02	2.01
Mar 26	2.03	2.03	2.03	2.03	2.04	2.05	2.06	2.06	2.05	2.04	2.04	2.04	2.04	2.05	2.04	2.04	2.03	S	2.17	2.32	2.17	2.06	2.06	2.05	2.03	2.32	**2.07**
Mar 27	2.04	2.06	2.07	2.08	2.04	2.03	2.03	2.03	2.02	2.02	2.02	2.03	2.02	2.02	2.01	2.01	S	2.01	2.01	2.00	2.00	2.00	1.99	1.99	1.99	2.08	2.02
Mar 28	1.98	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.96	S	1.96	1.96	1.96	1.96	1.97	1.97	1.98	1.99	1.96	1.99	1.97
Mar 29	2.00	2.03	2.04	2.06	2.06	2.16	2.25	**2.34**	2.13	1.99	1.97	1.96	1.96	1.96	S	1.96	1.96	1.96	1.96	1.96	1.97	2.00	2.00	2.01	1.96	**2.34**	2.03
Mar 30	2.00	1.99	2.00	2.00	1.99	2.00	1.98	1.98	1.98	1.99	1.99	1.98	1.98	S	1.97	1.95	1.94	1.94	1.95	1.94	1.94	1.95	2.00	2.06	1.94	2.06	1.98
Mar 31	2.18	2.15	2.15	2.10	2.06	2.04	2.01	2.01	2.00	1.99	1.98	1.97	S	1.96	1.96	1.96	1.95	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.94	2.18	2.00
Diurnal Maximum	2.18	2.15	2.20	2.22	2.23	2.16	2.25	2.34	2.15	2.04	2.05	2.05	2.04	2.05	2.04	2.04	2.03	2.02	2.17	2.32	2.17	2.08	2.06	2.11			
Diurnal Average	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.98	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.97	1.98	1.97	1.98	1.98	1.98			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



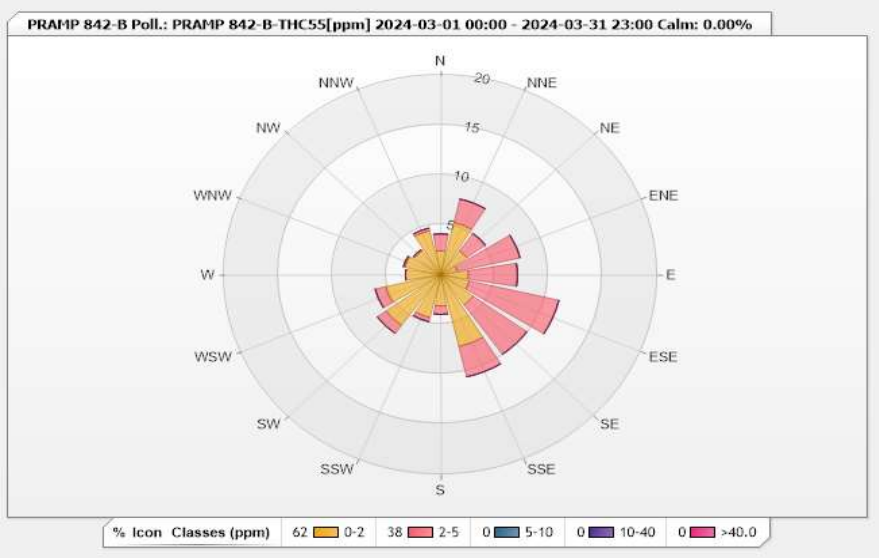


Station: PRAMP 842-B Poll.: PRAMP 842-B-THC55[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	2.41	1.7	0	0	0	4.11
NNE	5.38	2.41	0	0	0	7.79
NE	2.97	2.12	0	0	0	5.09
ENE	1.56	5.95	0	0	0	7.51
E	2.55	4.53	0	0	0	7.08
ESE	2.69	8.5	0	0	0	11.19
SE	3.68	6.09	0	0	0	9.77
SSE	7.37	3.12	0	0	0	10.49
S	3.12	0.85	0	0	0	3.97
SSW	4.39	0.42	0	0	0	4.81
SW	6.23	0.99	0	0	0	7.22
WSW	5.24	0.99	0	0	0	6.23
W	3.26	0	0	0	0	3.26
WNW	3.4	0.14	0	0	0	3.54
NW	2.97	0.14	0	0	0	3.11
NNW	4.53	0.28	0	0	0	4.81
Summary	61.75	38.23	0	0	0	100



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

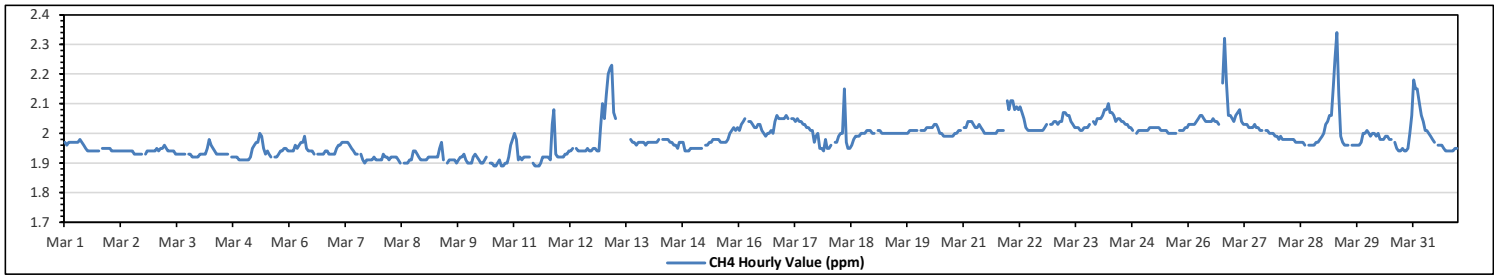
METHANE (CH4) in ppm

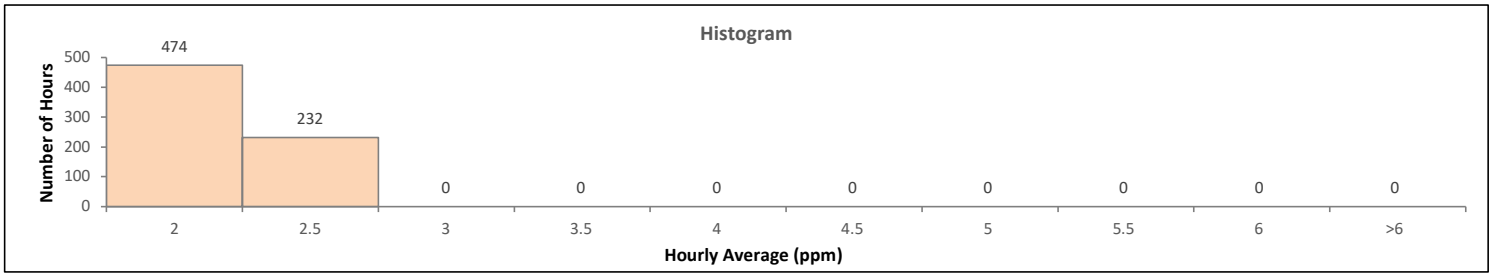
Maximum Hourly Value:	2.34	ppm	on Mar 29 at hr 7	Hours in Service:	744
Maximum Daily Value:	2.07	ppm	on Mar 26	Hours of Data:	706
Minimum Hourly Value:	1.89	ppm	on Mar 10 at hr 13	Hours of Missing Data:	1
Minimum Daily Value:	1.91	ppm	on Mar 10	Hours of Calibration:	37
Monthly Average:	1.98	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	1.97	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.97	1.96	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.95	1.95	1.95	1.95	1.94	1.98	1.96
Mar 2	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.93	S	1.93	1.94	1.94	1.94	1.94	1.93	1.95	1.94
Mar 3	1.94	1.95	1.94	1.95	1.95	1.96	1.95	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.93	S	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.96	1.94
Mar 4	1.93	1.93	1.93	1.93	1.95	1.98	1.96	1.95	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	S	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.91	1.98	1.93
Mar 5	1.91	1.91	1.91	1.92	1.95	1.96	1.97	1.97	2.00	1.99	1.95	1.93	1.94	1.93	1.92	S	1.92	1.92	1.93	1.94	1.94	1.95	1.95	1.94	1.91	2.00	1.94
Mar 6	1.94	1.94	1.94	1.96	1.95	1.96	1.97	1.97	1.99	1.95	1.94	1.94	1.94	1.93	S	1.93	1.93	1.93	1.93	1.94	1.94	1.93	1.93	1.93	1.93	1.99	1.94
Mar 7	1.93	1.95	1.96	1.96	1.97	1.97	1.97	1.97	1.96	1.95	1.94	1.93	1.93	S	1.93	1.91	1.90	1.91	1.91	1.91	1.91	1.92	1.91	1.91	1.90	1.97	1.94
Mar 8	1.91	1.91	1.93	1.92	1.92	1.91	1.92	1.92	1.92	1.92	1.91	1.90	S	1.90	1.90	1.90	1.91	1.91	1.94	1.94	1.93	1.92	1.91	1.91	1.90	1.94	1.92
Mar 9	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.92	1.95	1.97	1.91	S	1.90	1.91	1.91	1.91	1.91	1.90	1.91	1.92	1.92	1.93	1.91	1.90	1.90	1.97	1.92
Mar 10	1.90	1.90	1.92	1.93	1.92	1.91	1.90	1.90	1.91	1.92	S	1.90	1.90	1.89	1.89	1.90	1.91	1.89	1.89	1.90	1.90	1.92	1.96	1.98	1.89	1.98	1.91
Mar 11	2.00	1.98	1.91	1.92	1.91	1.92	1.92	1.92	1.92	S	1.90	1.89	1.89	1.89	1.90	1.92	1.92	1.92	1.92	1.91	2.03	2.08	1.93	1.92	1.89	2.08	1.93
Mar 12	1.92	1.92	1.92	1.93	1.93	1.94	1.94	1.95	S	1.95	1.94	1.94	1.94	1.94	1.94	1.95	1.94	1.94	1.95	1.95	1.94	1.94	2.02	2.10	1.92	2.10	1.95
Mar 13	2.05	2.13	2.20	2.22	2.23	2.07	2.05	S	C	C	C	NRM	C	C	1.98	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.96	1.97	1.96	2.23	NA
Mar 14	1.97	1.97	1.97	1.97	1.97	1.98	S	1.98	1.98	1.98	1.98	1.97	1.97	1.96	1.96	1.95	1.97	1.97	1.97	1.94	1.94	1.94	1.95	1.95	1.94	1.98	1.96
Mar 15	1.95	1.95	1.95	1.95	1.95	S	1.96	1.96	1.97	1.97	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.98	2.00	2.01	2.02	2.01	2.02	1.95	2.02	1.98
Mar 16	2.01	2.03	2.04	2.05	S	2.04	2.04	2.03	2.02	2.02	2.03	2.03	2.01	2.00	1.99	2.00	2.00	2.01	2.00	2.04	2.06	2.05	2.05	2.05	1.99	2.06	2.03
Mar 17	2.05	2.06	2.05	S	2.05	2.05	2.04	2.05	2.04	2.04	2.03	2.03	2.02	2.02	2.01	2.01	1.97	1.99	2.00	1.95	1.95	1.94	1.98	1.95	1.94	2.06	2.01
Mar 18	1.95	1.96	S	1.97	1.97	1.99	2.00	2.00	2.15	1.97	1.95	1.95	1.96	1.98	1.99	1.99	1.99	2.00	2.00	2.00	2.01	2.01	2.01	2.00	1.95	2.15	1.99
Mar 19	2.00	S	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.00	2.01	2.00
Mar 20	S	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.03	2.03	2.02	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.01	2.01	S	1.99	2.03	2.01
Mar 21	2.02	2.02	2.04	2.04	2.04	2.03	2.02	2.02	2.03	2.02	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	S	2.11	2.00	2.11	2.02
Mar 22	2.08	2.11	2.11	2.08	2.09	2.08	2.09	2.07	2.05	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.03	S	2.03	2.03	2.01	2.11	2.04
Mar 23	2.04	2.04	2.03	2.04	2.04	2.07	2.07	2.06	2.06	2.04	2.03	2.02	2.02	2.02	2.01	2.01	2.02	2.02	2.02	2.03	S	2.04	2.03	2.05	2.01	2.07	2.04
Mar 24	2.05	2.05	2.06	2.08	2.08	2.10	2.07	2.07	2.06	2.04	2.05	2.05	2.04	2.04	2.03	2.03	2.02	2.02	2.01	S	2.00	2.01	2.01	2.01	2.00	2.10	2.04
Mar 25	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	S	2.01	2.01	2.01	2.02	2.02	2.00	2.02	2.01
Mar 26	2.03	2.03	2.03	2.03	2.04	2.05	2.06	2.06	2.05	2.04	2.04	2.04	2.04	2.05	2.04	2.04	2.03	S	2.17	2.32	2.17	2.06	2.06	2.05	2.03	2.32	**2.07**
Mar 27	2.04	2.06	2.07	2.08	2.04	2.03	2.03	2.03	2.02	2.02	2.02	2.03	2.02	2.02	2.01	2.01	S	2.01	2.01	2.00	2.00	2.00	1.99	1.99	1.99	2.08	2.02
Mar 28	1.98	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.96	S	1.96	1.96	1.96	1.96	1.97	1.97	1.98	1.99	1.96	1.99	1.97
Mar 29	2.00	2.03	2.04	2.06	2.06	2.16	2.25	**2.34**	2.13	1.99	1.97	1.96	1.96	1.96	S	1.96	1.96	1.96	1.96	1.96	1.97	2.00	2.00	2.01	1.96	**2.34**	2.03
Mar 30	2.00	1.99	2.00	2.00	1.99	2.00	1.98	1.98	1.98	1.99	1.99	1.98	1.98	S	1.97	1.95	1.94	1.94	1.95	1.94	1.94	1.95	2.00	2.06	1.94	2.06	1.98
Mar 31	2.18	2.15	2.15	2.10	2.06	2.04	2.01	2.01	2.00	1.99	1.98	1.97	S	1.96	1.96	1.96	1.95	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.94	2.18	2.00
Diurnal Maximum	2.18	2.15	2.20	2.22	2.23	2.16	2.25	2.34	2.15	2.04	2.05	2.05	2.04	2.05	2.04	2.04	2.03	2.02	2.17	2.32	2.17	2.08	2.06	2.11			
Diurnal Average	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.98	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.97	1.98	1.97	1.98	1.98	1.98			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



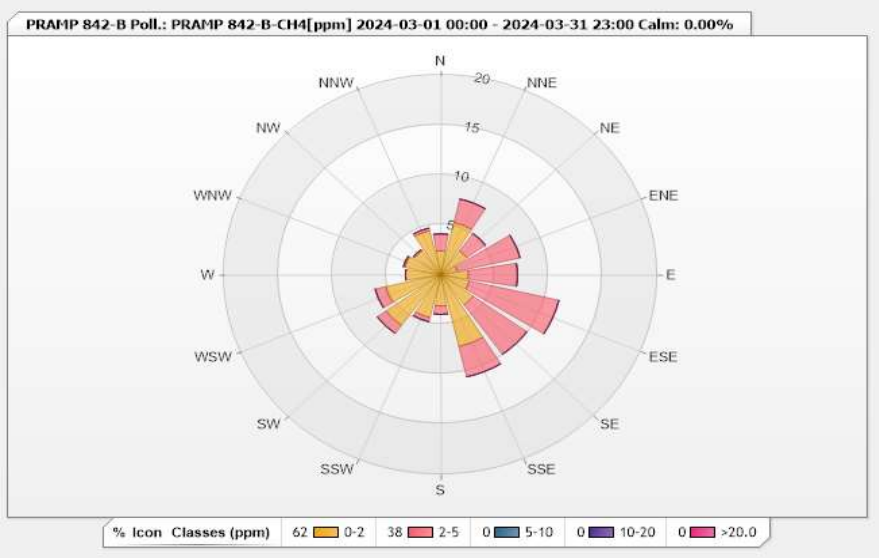


Station: PRAMP 842-B Poll.: PRAMP 842-B-CH4[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	2.41	1.7	0	0	0	4.11
NNE	5.38	2.41	0	0	0	7.79
NE	2.97	2.12	0	0	0	5.09
ENE	1.56	5.95	0	0	0	7.51
E	2.55	4.53	0	0	0	7.08
ESE	2.69	8.5	0	0	0	11.19
SE	3.68	6.09	0	0	0	9.77
SSE	7.37	3.12	0	0	0	10.49
S	3.12	0.85	0	0	0	3.97
SSW	4.39	0.42	0	0	0	4.81
SW	6.23	0.99	0	0	0	7.22
WSW	5.24	0.99	0	0	0	6.23
W	3.26	0	0	0	0	3.26
WNW	3.4	0.14	0	0	0	3.54
NW	2.97	0.14	0	0	0	3.11
NNW	4.53	0.28	0	0	0	4.81
Summary	61.75	38.23	0	0	0	100



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

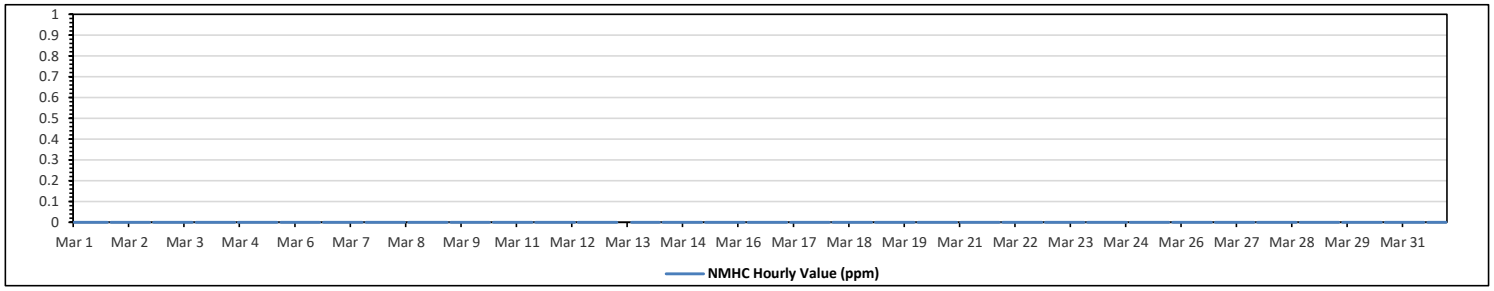
NON-METHANE HYDROCARBONS (NMHC) in ppm

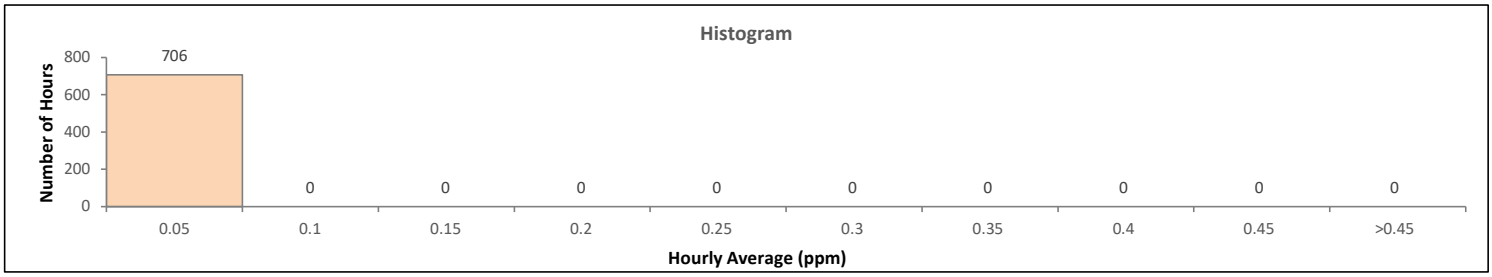
Maximum Hourly Value:	0.00	ppm	on Mar 1 at hr 0	Hours in Service:	744
Maximum Daily Value:	0.00	ppm	on Mar 1	Hours of Data:	706
Minimum Hourly Value:	0.00	ppm	on Mar 1 at hr 0	Hours of Missing Data:	1
Minimum Daily Value:	0.00	ppm	on Mar 1	Hours of Calibration:	37
Monthly Average:	0.00	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	C	C	C	NRM	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Mar 14	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 15	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 16	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 17	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 18	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 19	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 20	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Mar 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Mar 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Mar 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Mar 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



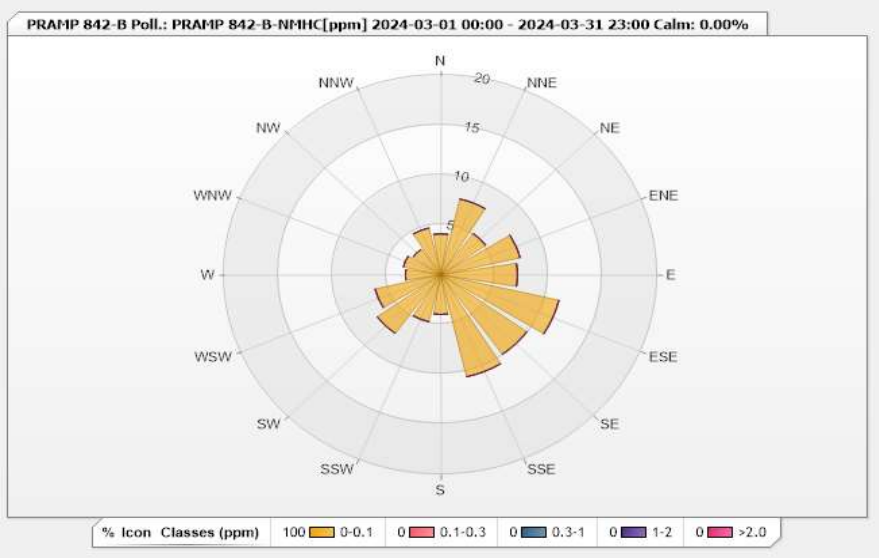


Station: PRAMP 842-B Poll.: PRAMP 842-B-NMHC[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	4.11	0	0	0	0	4.11
NNE	7.79	0	0	0	0	7.79
NE	5.1	0	0	0	0	5.1
ENE	7.51	0	0	0	0	7.51
E	7.08	0	0	0	0	7.08
ESE	11.19	0	0	0	0	11.19
SE	9.77	0	0	0	0	9.77
SSE	10.48	0	0	0	0	10.48
S	3.97	0	0	0	0	3.97
SSW	4.82	0	0	0	0	4.82
SW	7.22	0	0	0	0	7.22
WSW	6.23	0	0	0	0	6.23
W	3.26	0	0	0	0	3.26
WNW	3.54	0	0	0	0	3.54
NW	3.12	0	0	0	0	3.12
NNW	4.82	0	0	0	0	4.82
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

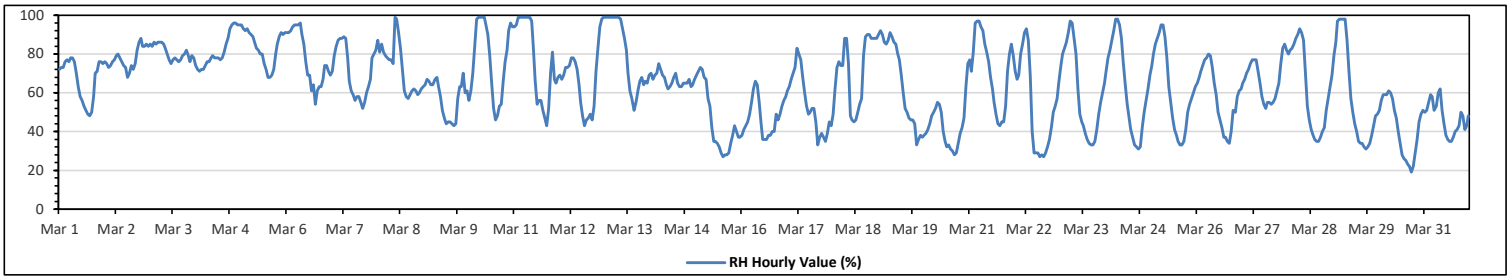
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	99	%	on Mar 8 at hr 9	Hours in Service:	744	
Maximum Daily Value:	83.5	%	on Mar 5	Hours of Data:	744	
Minimum Hourly Value:	19	%	on Mar 30 at hr 17	Hours of Missing Data:	0	
Minimum Daily Value:	42.0	%	on Mar 30	Hours of Calibration:	0	
Monthly Average:	64.8	%		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	72	73	73	76	77	76	78	78	76	70	63	58	56	53	51	49	48	50	58	70	71	76	76	75	48	78	66.8
Mar 2	76	75	73	74	76	77	79	80	78	76	74	73	68	70	74	72	75	82	86	88	84	84	85	84	68	88	77.6
Mar 3	85	84	86	85	86	86	86	85	83	80	77	75	77	78	77	76	77	79	80	82	79	76	79	78	75	86	80.7
Mar 4	74	72	71	72	72	74	76	76	78	79	78	78	78	77	78	81	85	88	93	95	96	96	95	95	71	96	81.5
Mar 5	95	93	92	93	91	90	89	86	83	82	80	80	75	72	68	68	69	72	80	85	89	91	90	91	68	95	**83.5**
Mar 6	91	91	92	94	95	95	95	96	90	85	76	69	69	61	64	54	61	63	63	67	74	74	71	69	54	96	77.5
Mar 7	71	79	84	87	88	88	89	88	78	66	61	59	56	58	58	55	52	55	60	63	67	78	80	82	52	89	70.9
Mar 8	87	81	85	81	79	78	77	77	75	**99**	98	91	83	72	61	58	57	59	61	62	61	59	60	62	57	**99**	73.5
Mar 9	63	64	67	66	64	64	67	68	63	58	51	47	44	45	45	44	43	44	57	63	63	70	60	61	43	70	57.5
Mar 10	56	61	70	84	98	**99**	**99**	**99**	**99**	95	90	79	65	52	46	48	53	54	66	76	82	92	96	94	46	**99**	77.2
Mar 11	94	95	**99**	**99**	**99**	**99**	**99**	**99**	**99**	97	84	66	54	56	56	51	47	43	52	70	81	67	65	68	43	**99**	76.6
Mar 12	69	67	69	73	73	74	78	78	76	72	64	55	48	43	46	47	49	46	53	71	83	94	98	**99**	43	**99**	67.7
Mar 13	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	98	93	88	82	70	61	57	51	55	61	66	68	64	66	65	69	51	**99**	79.4
Mar 14	70	67	69	70	75	72	69	68	64	62	63	65	68	70	65	63	63	65	65	65	67	63	64	67	62	75	66.6
Mar 15	69	71	73	72	68	67	57	53	42	35	35	34	32	29	27	28	28	29	34	38	43	40	37	37	27	73	44.9
Mar 16	38	41	43	45	49	55	62	66	64	55	44	36	36	36	38	38	40	40	49	46	49	53	56	58	36	66	47.4
Mar 17	61	63	67	70	73	83	80	77	68	60	53	49	50	52	52	45	33	37	39	37	35	39	45	43	33	83	54.6
Mar 18	49	62	73	76	74	74	88	88	75	48	46	45	46	50	54	57	79	89	90	90	88	88	88	88	45	90	71.0
Mar 19	90	92	90	86	85	87	91	89	86	85	80	77	69	60	52	50	47	46	46	44	33	36	38	37	33	92	66.5
Mar 20	38	39	41	44	48	50	52	55	54	50	40	35	32	33	31	30	28	29	34	39	42	47	63	75	28	75	42.9
Mar 21	77	71	81	96	97	97	94	92	85	81	76	68	62	55	49	44	43	45	45	53	71	80	85	79	43	97	71.9
Mar 22	71	67	69	80	85	91	93	87	69	40	29	29	29	27	28	27	29	32	36	42	50	53	57	65	27	93	53.5
Mar 23	73	80	83	86	91	97	96	88	80	62	49	45	43	39	36	34	33	33	35	41	49	55	60	65	33	97	60.5
Mar 24	71	78	82	87	92	98	98	95	88	75	64	54	47	41	37	33	32	31	32	42	50	56	62	69	31	98	63.1
Mar 25	74	80	85	88	91	95	95	89	78	63	55	47	41	38	35	33	33	35	41	50	54	57	60	63	33	95	61.7
Mar 26	65	68	71	74	77	78	80	79	73	65	59	50	46	42	37	37	35	34	40	51	50	58	61	62	34	80	58.0
Mar 27	65	67	70	72	75	77	77	77	71	65	58	54	52	55	55	54	55	57	61	65	75	83	85	82	52	85	67.0
Mar 28	80	82	83	85	88	90	93	91	87	70	53	46	41	38	36	35	35	37	40	42	51	57	63	69	35	93	62.2
Mar 29	79	86	97	98	98	98	98	87	71	57	50	44	40	35	34	34	32	31	32	34	38	43	48	49	31	98	58.9
Mar 30	51	56	59	59	59	61	60	57	51	47	40	34	28	26	25	23	22	**19**	22	29	36	45	49	51	**19**	61	**42.0**
Mar 31	50	51	55	59	58	51	53	60	62	51	44	38	36	35	35	37	40	41	43	50	48	41	43	48	35	62	47.0
Diurnal Maximum	99	99	99	99	99	99	99	99	99	99	98	91	83	78	78	81	85	89	93	95	96	96	98	99			
Diurnal Average	71.1	72.7	75.8	78.4	80.0	81.3	82.2	80.9	75.6	68.5	62.0	56.8	52.9	50.3	48.6	47.0	47.7	49.2	53.5	58.6	62.0	65.1	67.2	68.8			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance			
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P**	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

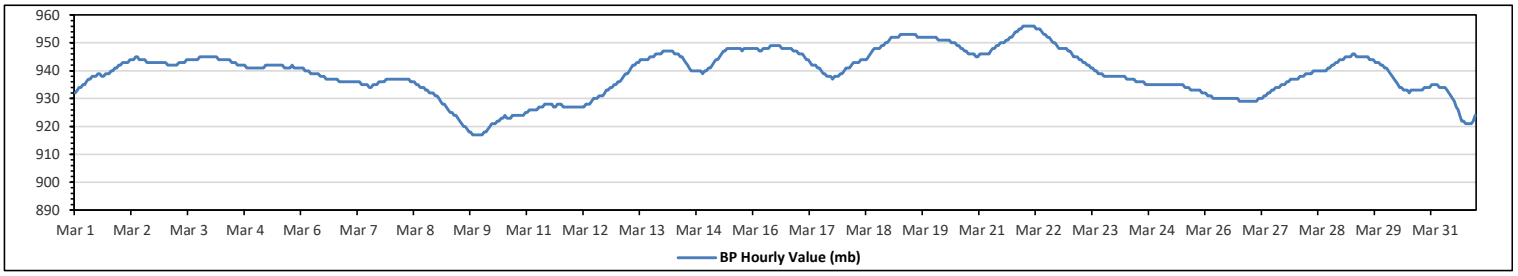
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	956	mb	on Mar 21 at hr 23	Hours in Service:	744	
Maximum Daily Value:	952	mb	on Mar 19	Hours of Data:	744	
Minimum Hourly Value:	917	mb	on Mar 9 at hr 19	Hours of Missing Data:	0	
Minimum Daily Value:	922	mb	on Mar 10	Hours of Calibration:	0	
Monthly Average:	939	mb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	932	933	934	934	935	935	936	937	937	938	938	938	939	939	938	938	939	939	939	940	940	941	941	942	932	942	938
Mar 2	942	943	943	943	943	944	944	944	945	945	944	944	944	944	943	943	943	943	943	943	943	943	943	943	942	945	943
Mar 3	943	942	942	942	942	942	942	943	943	943	943	944	944	944	944	944	944	944	945	945	945	945	945	945	942	945	944
Mar 4	945	945	945	945	944	944	944	944	944	944	944	943	943	943	942	942	942	942	942	941	941	941	941	941	941	945	943
Mar 5	941	941	941	941	941	942	942	942	942	942	942	942	942	942	942	941	941	941	941	942	941	941	941	941	941	942	941
Mar 6	941	941	940	940	940	939	939	939	939	939	938	938	938	937	937	937	937	937	937	937	936	936	936	936	936	941	938
Mar 7	936	936	936	936	936	936	936	936	935	935	935	935	934	934	935	935	935	936	936	936	936	937	937	937	934	937	936
Mar 8	937	937	937	937	937	937	937	937	937	937	936	936	936	935	935	934	934	934	933	933	932	932	932	931	931	937	935
Mar 9	931	930	929	928	928	927	926	925	925	924	924	923	922	921	920	920	919	918	918	**917**	**917**	**917**	**917**	**917**	**917**	931	923
Mar 10	**917**	918	918	919	920	921	921	921	922	922	923	923	924	923	923	923	924	924	924	924	924	924	924	925	**917**	925	**922**
Mar 11	925	926	926	926	926	926	927	927	927	928	928	928	928	928	927	927	928	928	928	927	927	927	927	927	925	928	927
Mar 12	927	927	927	927	927	927	927	928	928	928	929	930	930	930	931	931	931	932	933	933	934	934	935	935	927	935	930
Mar 13	936	936	937	938	939	939	940	941	942	942	943	943	944	944	944	944	944	945	945	945	946	946	946	946	936	946	942
Mar 14	947	947	947	947	947	947	946	946	946	945	945	944	943	942	941	940	940	940	940	940	940	939	940	940	939	947	943
Mar 15	941	941	942	943	944	944	945	946	947	947	948	948	948	948	948	948	948	948	947	948	948	948	948	948	941	948	946
Mar 16	948	948	948	947	947	948	948	948	948	949	949	949	949	949	949	948	948	948	948	948	948	947	947	947	947	949	948
Mar 17	946	946	946	945	944	944	943	942	942	942	941	941	940	939	939	938	938	938	937	938	938	938	939	939	937	946	941
Mar 18	940	941	941	941	942	943	943	943	943	944	944	944	944	945	946	947	948	948	948	948	949	949	950	950	940	950	945
Mar 19	951	952	952	952	952	952	953	953	953	953	953	953	953	953	953	952	952	952	952	952	952	952	952	952	951	953	**952**
Mar 20	952	952	951	951	951	951	951	951	951	950	950	950	949	949	948	948	947	947	946	946	946	946	945	945	945	952	949
Mar 21	946	946	946	946	946	946	947	948	948	949	949	950	950	950	951	951	952	952	953	954	954	955	955	**956**	946	**956**	950
Mar 22	**956**	**956**	**956**	**956**	**956**	**956**	955	955	955	954	953	953	952	952	951	950	950	949	948	948	948	948	948	947	947	**956**	952
Mar 23	947	946	945	945	945	944	944	943	943	942	942	941	941	940	940	939	939	939	938	938	938	938	938	938	938	947	941
Mar 24	938	938	938	938	938	938	937	937	937	937	937	936	936	936	936	936	935	935	935	935	935	935	935	935	935	938	936
Mar 25	935	935	935	935	935	935	935	935	935	935	935	935	935	934	934	934	933	933	933	933	933	933	932	932	932	935	934
Mar 26	932	931	931	931	930	930	930	930	930	930	930	930	930	930	930	930	930	930	929	929	929	929	929	929	929	932	930
Mar 27	929	929	929	929	930	930	930	931	931	932	932	933	933	934	934	934	935	935	935	936	936	937	937	937	929	937	933
Mar 28	937	937	938	938	938	939	939	939	939	940	940	940	940	940	940	940	940	941	941	942	942	943	943	944	937	944	940
Mar 29	944	944	945	945	945	945	946	946	945	945	945	945	945	945	945	944	944	944	943	943	943	942	942	941	941	946	944
Mar 30	941	940	939	938	937	936	935	934	934	933	933	933	932	933	933	933	933	933	933	933	934	934	934	934	932	941	935
Mar 31	935	935	935	935	934	934	934	934	933	932	931	930	929	927	926	924	922	922	921	921	921	921	922	924	921	935	928
Diurnal Maximum	956	956	956	956	956	956	955	955	955	954	953	953	953	953	953	952	952	952	953	954	954	955	955	956			
Diurnal Average	939	939	939	939	939	939	939	940	940	940	939	939	939	939	939	939	939	939	938	939	939	939	939	939			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

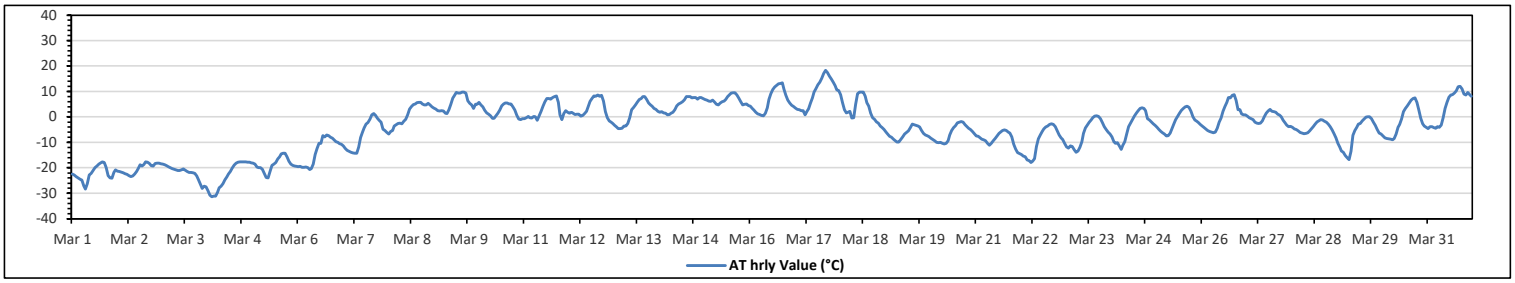
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	18.3	°C	on Mar 17 at hr 16	Hours in Service:	744
Maximum Daily Value:	9.5	°C	on Mar 17	Hours of Data:	744
Minimum Hourly Value:	-31.4	°C	on Mar 4 at hr 2	Hours of Missing Data:	0
Minimum Daily Value:	-23.1	°C	on Mar 4	Hours of Calibration:	0
Monthly Average:	-4.2	°C		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	-22.4	-22.8	-23.4	-23.9	-24.4	-24.8	-27	-28.3	-26.2	-22.9	-22.1	-21	-20	-19.3	-18.6	-18	-17.6	-17.9	-19.9	-23	-23.9	-24.1	-21.7	-20.8	-28.3	-17.6	-22.3
Mar 2	-21.3	-21.4	-21.6	-21.9	-22.3	-22.6	-23	-23.4	-23.1	-22.4	-21.4	-20.3	-18.8	-19.2	-18.7	-17.6	-17.7	-18.3	-19.1	-19.3	-18.3	-18.1	-18.2	-18.4	-23.4	-17.6	-20.3
Mar 3	-18.6	-18.8	-19.1	-19.5	-19.9	-20.3	-20.5	-20.8	-21	-21	-20.8	-20.4	-20.9	-21.5	-21.8	-21.8	-21.9	-22.2	-23.2	-24.5	-26.3	-28.1	-27.2	-27.5	-28.1	-18.6	-22.0
Mar 4	-28.9	-30.8	**-31.4**	-31.1	-31.1	-29.6	-27.9	-27.2	-26.2	-24.7	-23.5	-22.4	-21.4	-20.1	-18.9	-18.2	-17.8	-17.6	-17.6	-17.6	-17.6	-17.7	-17.8	-18	**-31.4**	-17.6	**-23.1**
Mar 5	-18.1	-18.5	-19.6	-19.9	-19.9	-20.5	-22.1	-23.8	-23.9	-21.5	-19	-18.5	-17.9	-16.5	-15.6	-14.5	-14.2	-14.2	-15.7	-17.4	-18.5	-19	-19.3	-19.4	-23.9	-14.2	-18.6
Mar 6	-19.5	-19.4	-19.8	-19.8	-19.6	-20	-20.6	-20.3	-18.5	-14.8	-12.3	-10.3	-10.3	-7.3	-7.9	-7.1	-7.3	-8	-8.3	-9	-9.7	-10	-10.5	-10.8	-20.6	-7.1	-13.4
Mar 7	-11.4	-12.3	-13.1	-13.5	-13.8	-14.1	-14.3	-14.3	-11.9	-8.1	-5.9	-4.3	-2.8	-2.2	-0.9	0.8	1.3	0.6	-0.4	-1.4	-2.1	-4.8	-5.4	-6.1	-14.3	1.3	-6.7
Mar 8	-6.7	-5.6	-5.3	-3.6	-3	-2.6	-2.4	-2.7	-1.6	-0.9	0.9	3.1	4.1	4.9	5.1	5.6	5.8	5.7	5.2	4.7	4.7	5.3	4.8	4	-6.7	5.8	1.2
Mar 9	3.5	3.1	2.5	2.4	2.5	2.4	1.4	1.3	2.8	5	7.4	8.4	9.6	9.4	9.4	9.7	9.8	9.4	6.4	5.3	4.8	3.3	5	5	1.3	9.8	5.4
Mar 10	5.7	4.7	3.9	2.6	1.6	1.1	0.4	-0.5	-0.5	0.4	1.4	2.7	4.3	5.2	5.4	5.5	5.2	5.2	4	2.7	0.7	-0.8	-1.1	-0.6	-1.1	5.7	2.5
Mar 11	-0.6	-0.3	0.2	-0.3	-0.4	0.2	0.1	-1.3	0.4	2.3	4.2	6	7.3	7.3	7	7.7	8	8.2	5.7	0.9	-1.1	1.3	2.5	1.9	-1.3	8.2	2.8
Mar 12	1.5	1.9	1.5	1	1.1	1.1	0.3	0.6	1.3	2.3	4	6.1	7.3	8.3	8.1	8.6	8.1	8.5	6.3	2.1	-0.3	-1.5	-2.1	-2.6	-2.6	8.6	3.1
Mar 13	-3.3	-4	-4.6	-4.6	-4.4	-3.6	-3.6	-2.6	-0.2	2.8	3.8	4.7	5.9	6.8	7.3	7.9	8	6.9	5.5	4.8	4.2	3.4	3	2.3	-4.6	8.0	1.9
Mar 14	1.9	2.1	1.6	1.4	0.8	1	1.4	1.9	2.8	4.4	5.2	5.5	6	6.7	7.9	8	7.9	7.5	7.6	7.6	7	7.7	7.7	7.3	0.8	8.0	5.0
Mar 15	6.9	6.6	6.3	6.1	6.6	5.9	5	4.8	5.5	6	6.3	6.8	8	8.8	9.4	9.5	9.5	8.7	7.4	6	4.7	5	5.1	4.5	4.5	9.5	6.6
Mar 16	4.2	3.3	2.7	1.9	1.2	1	0.6	0.5	1.4	3.7	6.8	9.2	10.8	11.8	12.4	13.1	13.2	13.4	10.9	8.5	6.6	5.4	4.6	4.1	0.5	13.4	6.3
Mar 17	3.5	3	2.8	2.5	2.5	0.9	2.2	3.2	5.5	7.5	9.7	11.2	12.6	13.7	15.2	17.1	**18.3**	17.4	16	14.9	13.7	12.3	10.6	10.5	0.9	**18.3**	**9.5**
Mar 18	8.8	5.6	2.8	1.6	1.8	2.3	-0.4	-0.2	5	9.2	9.7	9.7	9.8	8.1	5.6	4.2	1.5	-0.2	-0.9	-1.9	-2.5	-3.5	-4.2	-4.9	-4.9	9.8	2.8
Mar 19	-6	-6.8	-7.6	-8	-8.7	-9.4	-9.8	-9.8	-8.8	-7.9	-6.8	-6.1	-5.5	-4.2	-2.8	-3	-3.3	-3.5	-4	-5.3	-6.5	-7	-7.3	-7.7	-9.8	-2.8	-6.5
Mar 20	-8.3	-8.9	-9.4	-9.9	-10.1	-10	-10.3	-10.7	-10.4	-9.4	-7	-5.3	-4.2	-3.4	-2.3	-2	-1.8	-2.1	-3	-3.7	-4.4	-4.9	-5.7	-6.6	-10.7	-1.8	-6.4
Mar 21	-7.4	-7.6	-8.1	-8.7	-9	-9.4	-10.3	-11.1	-10.3	-9.4	-8.5	-7.5	-6.5	-5.8	-5.4	-5.1	-5.3	-5.9	-6.4	-7.8	-10.8	-12.6	-14	-14.4	-14.4	-5.1	-8.6
Mar 22	-14.8	-15.4	-15.6	-16.9	-17.2	-17.9	-17.4	-16.4	-11.6	-8.6	-7	-5.7	-4.7	-4	-3.5	-2.9	-2.7	-2.9	-3.9	-5.5	-7	-8.2	-8.9	-10.3	-17.9	-2.7	-9.5
Mar 23	-11.7	-12.2	-11.4	-11.6	-12.8	-13.9	-13.4	-11.9	-9.7	-6.5	-4.3	-3.1	-2	-1.2	-0.3	0.3	0.4	0.2	-0.6	-2.2	-3.8	-5	-5.9	-6.8	-13.9	0.4	-6.2
Mar 24	-7.8	-9.7	-10.3	-10.1	-11.4	-12.7	-11.1	-9.7	-6.7	-3.8	-2.4	-1.1	0.3	1.5	2.5	3.3	3.6	3.4	2.5	-0.7	-1.2	-1.9	-2.7	-3.3	-12.7	3.6	-3.7
Mar 25	-4.1	-5	-5.6	-6.2	-6.7	-7.4	-7.3	-6.4	-4.4	-2.6	-1.1	0.2	1.4	2.6	3.4	3.9	4.2	3.8	2.2	0	-1.2	-1.6	-2.2	-2.9	-7.4	4.2	-1.8
Mar 26	-3.5	-4.1	-4.7	-5.4	-5.7	-5.9	-6.2	-6	-4.4	-2	-0.4	2.3	4.1	5.8	7.6	7.5	8.5	8.8	6.5	2.8	2.8	1.2	0.8	0.8	-6.2	8.8	0.5
Mar 27	0.3	-0.3	-0.6	-1.1	-2	-2.4	-2.6	-2.5	-1.5	0	1.4	2.4	2.9	2.3	2.1	1.8	1.1	0.7	0.1	-1.3	-2.3	-3.1	-3.9	-3.7	-3.9	2.9	-0.5
Mar 28	-4.1	-4.7	-5	-5.5	-6.1	-6.3	-6.6	-6.5	-6.2	-5.5	-4.7	-3.8	-2.8	-1.9	-1.5	-1.1	-1.2	-1.6	-2.1	-2.8	-3.9	-5.1	-6.6	-8.2	-8.2	-1.1	-4.3
Mar 29	-10.4	-11.9	-13.4	-13.9	-15.1	-16.1	-16.7	-13.5	-7.2	-5.3	-4.1	-2.8	-2.6	-1.5	-0.8	-0.1	0	0	-0.7	-2	-3.3	-5	-6.4	-6.7	-16.7	0.0	-6.6
Mar 30	-7.4	-8.2	-8.5	-8.6	-8.7	-9	-8.5	-6.8	-4.1	-2.9	-0.8	2.1	3.3	4.3	5.5	6.6	7.2	7.5	5.7	2.7	-0.5	-2.7	-3.6	-4.1	-9.0	7.5	-1.6
Mar 31	-4.5	-3.9	-3.9	-4.2	-4.4	-3.9	-4.1	-3.1	-0.2	3.4	5.7	7.8	8.6	8.8	9.4	10.3	11.9	12	11	9	8.6	9.6	8.8	8.1	-4.5	12.0	4.2
Diurnal Maximum	8.8	6.6	6.3	6.1	6.6	5.9	5.0	4.8	5.5	9.2	9.7	11.2	12.6	13.7	15.2	17.1	18.3	17.4	16.0	14.9	13.7	12.3	10.6	10.5			
Diurnal Average	-6.6	-7.2	-7.7	-8.0	-8.3	-8.6	-8.9	-8.6	-6.9	-4.9	-3.4	-2.1	-1.1	-0.4	0.1	0.6	0.7	0.4	-0.7	-2.4	-3.5	-4.2	-4.6	-5.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

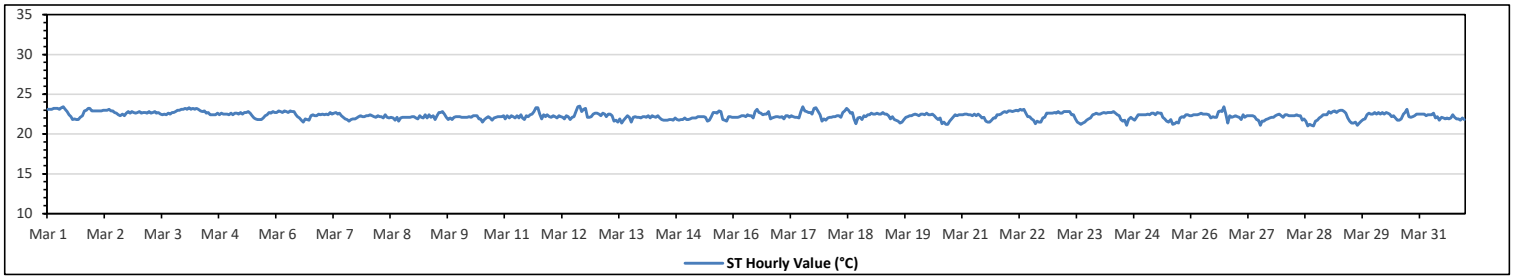
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.5	°C	on Mar 12 at hr 15	Hours in Service:	744	
Maximum Daily Value:	22.8	°C	on Mar 4	Hours of Data:	744	
Minimum Hourly Value:	21.0	°C	on Mar 28 at hr 13	Hours of Missing Data:	0	
Minimum Daily Value:	22.0	°C	on Mar 14	Hours of Calibration:	0	
Monthly Average:	22.3	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	23.1	23.1	23.1	23.2	23.2	23.2	23.1	23.3	23.4	23.1	22.8	22.4	22.2	21.8	21.9	21.8	21.8	22.1	22.3	22.9	23.0	23.2	23.2	22.9	21.8	23.4	22.8
Mar 2	22.9	22.9	22.9	22.9	22.9	23.0	23.0	23.0	23.1	22.9	22.9	22.7	22.6	22.4	22.3	22.5	22.3	22.6	22.8	22.6	22.8	22.7	22.6	22.7	22.3	23.1	22.8
Mar 3	22.8	22.6	22.7	22.7	22.6	22.8	22.6	22.7	22.8	22.6	22.7	22.5	22.4	22.5	22.4	22.6	22.5	22.7	22.7	22.8	23.0	23.0	23.1	23.1	22.4	23.1	22.7
Mar 4	23.2	23.1	23.3	23.1	23.2	23.1	23.2	23.1	22.9	22.8	22.9	22.6	22.7	22.4	22.4	22.4	22.4	22.6	22.4	22.6	22.5	22.5	22.5	22.4	22.4	23.3	**22.8**
Mar 5	22.6	22.4	22.6	22.6	22.5	22.7	22.5	22.7	22.7	22.8	22.6	22.3	22.0	21.9	21.8	21.8	21.8	22.0	22.3	22.4	22.7	22.6	22.8	22.7	21.8	22.8	22.4
Mar 6	22.7	22.9	22.8	22.7	22.9	22.8	22.7	22.9	22.8	22.8	22.4	22.2	22.0	21.7	21.5	21.9	21.8	21.7	22.3	22.4	22.3	22.3	22.5	22.4	21.5	22.9	22.4
Mar 7	22.5	22.4	22.5	22.4	22.7	22.5	22.6	22.7	22.5	22.6	22.3	22.1	21.9	21.8	21.6	21.8	21.9	21.9	22.0	22.2	22.3	22.2	22.2	22.3	21.6	22.7	22.2
Mar 8	22.3	22.4	22.3	22.2	22.1	22.3	22.2	22.2	22.0	22.4	22.1	22.0	22.1	22.0	21.7	22.1	21.6	22.0	22.1	22.1	22.1	22.1	22.1	22.2	21.6	22.4	22.1
Mar 9	22.2	22.0	21.9	22.3	22.1	22.0	22.4	22.0	22.4	22.1	22.3	21.8	22.3	22.7	22.7	22.8	22.5	22.1	21.8	22.0	21.8	22.1	22.2	22.2	21.8	22.8	22.2
Mar 10	22.2	22.1	22.1	22.1	22.1	22.2	22.1	22.3	22.3	22.3	21.9	21.9	21.5	21.8	22.0	22.2	22.0	21.7	22.0	22.1	22.2	22.2	22.2	22.3	21.5	22.3	22.1
Mar 11	21.9	22.3	22.0	22.3	22.2	22.0	22.3	22.0	22.4	22.0	21.8	22.3	22.2	22.4	22.5	22.8	23.3	23.3	22.5	21.9	22.4	22.2	22.4	22.2	21.8	23.3	22.3
Mar 12	22.1	22.3	22.2	22.0	22.3	22.2	22.1	21.9	22.3	22.2	21.8	22.1	22.2	22.8	23.4	**23.5**	22.8	23.1	23.2	22.1	22.1	22.2	22.5	22.6	21.8	**23.5**	22.4
Mar 13	22.6	22.5	22.3	22.6	22.5	22.2	22.5	22.5	22.3	21.6	21.7	21.5	21.9	21.4	21.7	22.0	22.3	22.1	21.5	22.1	22.2	22.1	22.1	22.0	21.4	22.6	22.1
Mar 14	22.2	22.2	22.1	22.3	22.0	22.3	22.2	22.1	22.3	22.0	21.8	21.7	21.7	21.7	21.8	21.8	21.7	22.0	21.8	21.7	21.8	21.8	22.0	21.8	21.7	22.3	**22.0**
Mar 15	21.8	21.9	22.0	22.0	22.0	22.2	22.2	22.2	22.2	22.1	21.6	21.7	22.2	22.7	22.7	22.6	22.9	22.8	21.8	21.7	21.6	22.2	22.2	22.1	21.6	22.9	22.1
Mar 16	22.1	22.1	22.1	22.2	22.3	22.3	22.2	22.4	22.3	22.3	22.0	22.8	23.1	22.7	22.6	22.4	22.5	22.5	22.8	21.9	22.0	22.1	22.2	22.2	21.9	23.1	22.3
Mar 17	22.1	22.2	21.9	22.3	22.3	22.1	22.3	22.2	22.1	22.1	22.0	22.8	23.4	22.9	22.8	22.7	22.7	22.5	23.2	23.3	22.9	22.4	21.6	21.9	21.6	23.4	22.4
Mar 18	21.7	22.0	22.1	22.1	22.2	22.2	22.3	22.3	22.1	22.7	22.9	23.2	23.0	22.6	22.7	21.9	21.3	22.0	22.1	21.8	22.3	22.2	22.4	22.4	21.3	23.2	22.3
Mar 19	22.6	22.5	22.5	22.6	22.5	22.5	22.7	22.5	22.5	22.3	21.9	22.2	21.8	21.7	21.6	21.4	21.5	21.8	22.1	22.2	22.3	22.3	22.4	22.5	21.4	22.7	22.2
Mar 20	22.4	22.3	22.5	22.5	22.4	22.6	22.4	22.4	22.5	22.3	22.0	21.8	22.0	21.3	21.5	21.2	21.2	21.6	21.9	22.2	22.4	22.3	22.4	22.4	21.2	22.6	22.1
Mar 21	22.4	22.5	22.5	22.4	22.4	22.3	22.5	22.3	22.5	22.3	22.0	22.1	21.6	21.5	21.5	21.7	22.0	22.0	22.4	22.4	22.5	22.7	22.8	22.7	21.5	22.8	22.3
Mar 22	22.9	22.9	22.8	22.9	23.0	22.9	23.1	23.0	23.1	22.6	22.2	22.2	21.9	21.7	21.3	21.6	21.5	21.5	22.0	22.1	22.6	22.6	22.6	22.6	21.3	23.1	22.4
Mar 23	22.7	22.6	22.8	22.6	22.6	22.8	22.8	22.8	22.8	22.4	22.4	21.9	21.5	21.4	21.2	21.4	21.5	21.7	21.9	22.0	22.4	22.5	22.6	22.5	21.2	22.8	22.2
Mar 24	22.5	22.6	22.7	22.6	22.7	22.7	22.7	22.8	22.6	22.4	22.3	21.8	21.6	21.7	21.1	21.8	22.1	21.9	21.7	22.1	22.4	22.4	22.4	22.4	21.1	22.8	22.3
Mar 25	22.4	22.5	22.4	22.6	22.6	22.4	22.7	22.6	22.6	22.1	21.9	21.6	21.5	21.8	21.2	21.3	21.5	21.4	22.0	22.2	22.1	22.4	22.4	22.3	21.2	22.7	22.1
Mar 26	22.3	22.4	22.4	22.4	22.5	22.6	22.5	22.5	22.5	22.4	22.0	22.2	22.1	22.1	22.8	22.9	22.8	23.4	22.5	21.4	22.3	22.1	22.2	22.3	21.4	23.4	22.4
Mar 27	22.2	22.1	21.8	22.4	22.1	22.3	22.3	22.3	22.3	22.2	21.8	21.7	21.1	21.6	21.6	21.8	21.9	22.0	22.1	22.1	22.3	22.4	22.5	22.3	21.1	22.5	22.1
Mar 28	22.1	22.4	22.4	22.3	22.3	22.3	22.3	22.4	22.3	22.3	21.7	21.9	21.6	**21.0**	21.2	21.1	**21.0**	21.6	21.7	22.0	22.2	22.4	22.4	22.4	**21.0**	22.4	22.0
Mar 29	22.8	22.6	22.8	22.9	22.7	22.9	23.0	23.0	22.8	22.6	22.0	21.6	21.4	21.4	21.5	21.1	21.4	21.6	21.8	21.9	22.4	22.6	22.5	22.5	21.1	23.0	22.2
Mar 30	22.7	22.5	22.7	22.5	22.7	22.5	22.7	22.6	22.5	22.2	22.3	22.0	21.7	21.7	21.9	22.5	22.7	23.1	22.2	22.1	22.2	22.3	22.5	22.5	21.7	23.1	22.4
Mar 31	22.5	22.5	22.5	22.3	22.4	22.4	22.4	22.6	22.0	22.2	21.7	22.1	22.0	21.9	22.0	21.9	22.0	22.4	22.1	21.9	21.9	21.7	22.0	21.8	21.7	22.6	22.1
Diurnal Maximum	23.2	23.1	23.3	23.2	23.2	23.2	23.2	23.3	23.4	23.1	22.9	23.2	23.4	22.9	23.4	23.5	23.3	23.4	23.2	23.3	23.0	23.2	23.2	23.1			
Diurnal Average	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.5	22.5	22.4	22.2	22.1	22.0	22.0	22.0	22.0	22.0	22.2	22.2	22.2	22.3	22.3	22.4	22.4			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

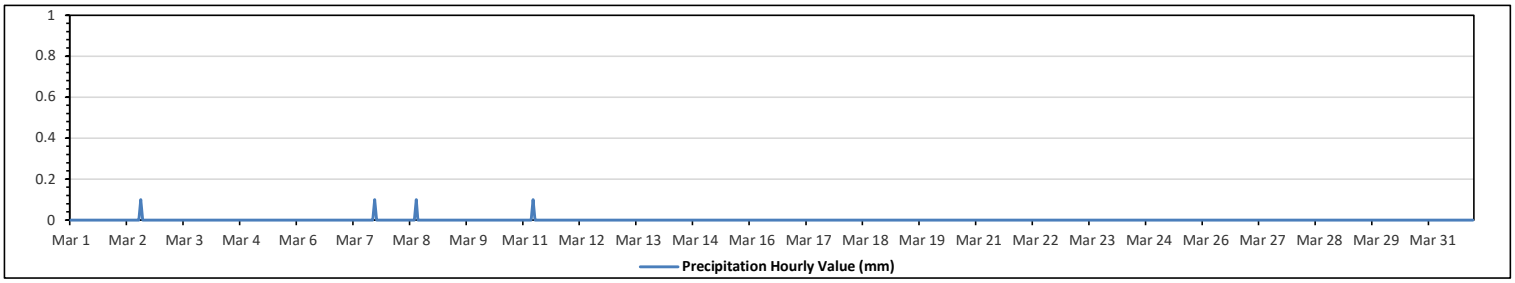
PRECIPITATION in mm

Maximum Hourly Value:	0.1	mm	on Mar 2 at hr 13	Hours in Service:	744	
Maximum Daily Value:	0.1	mm	on Mar 2	Hours of Data:	744	
Minimum Hourly Value:	0.0	mm	on Mar 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	mm	on Mar 1	Hours of Calibration:	0	
Monthly Total:	0.4	mm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Total
Mar 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
Mar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	**0.1**	0	0	0	0	0	0	0	0	0	0	0.0	**0.1**	**0.1**
Mar 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
Mar 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
Mar 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
Mar 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
Mar 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0.1**	0	0	0	0	0	0	0.0	**0.1**	**0.1**
Mar 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0.1**	0	0	0	0	0	0	0	0	0.0	**0.1**	**0.1**
Mar 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
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 11	0	0	0	0	0	**0.1**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	**0.1**	**0.1**
Mar 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 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
Mar 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Diurnal Maximum	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	27.0	kph	on Mar 14 at hr 22	Hours in Service:	744	
Maximum Daily Value:	16.4	kph	on Mar 14	Hours of Data:	744	
Minimum Hourly Value:	0.1	kph	on Mar 12 at hr 19	Hours of Missing Data:	0	
Minimum Daily Value:	4.2	kph	on Mar 29	Hours of Calibration:	0	
Monthly Average:	1.8	kph		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	6.4	5.1	6.1	5.2	5.0	3.3	2.1	2.1	3.7	9.4	12.3	9.8	10.2	10.0	11.7	9.6	6.7	6.2	1.8	1.1	3.9	4.2	5.3	7.4	1.1	12.3	6.2
Mar 2	9.6	9.9	9.1	8.5	7.7	8.4	7.2	7.8	9.0	9.1	10.3	9.1	9.3	9.4	10.7	10.2	9.5	8.0	8.7	6.7	7.9	8.2	9.0	10.5	6.7	10.7	8.9
Mar 3	9.5	9.7	9.3	10.3	10.6	9.4	9.3	8.3	10.5	9.2	9.6	8.6	11.8	13.0	15.0	14.2	11.5	9.3	6.3	4.0	2.6	2.5	3.9	3.8	2.5	15.0	8.8
Mar 4	3.3	2.1	2.1	3.0	3.1	2.3	2.5	1.6	4.1	6.2	11.0	8.5	9.5	10.3	9.3	10.3	8.5	6.2	4.7	3.5	4.5	5.3	7.0	6.9	1.6	11.0	5.7
Mar 5	6.0	5.7	3.3	1.7	1.5	1.6	0.2	0.6	0.3	1.5	3.1	7.1	10.4	8.3	8.2	8.5	10.1	9.6	7.6	6.9	3.4	5.6	6.0	7.6	0.2	10.4	5.2
Mar 6	4.3	5.4	4.3	6.7	7.9	6.8	5.0	4.6	8.8	12.7	15.3	12.7	11.0	13.8	13.2	11.2	9.9	7.3	8.4	7.6	7.7	8.8	10.6	12.5	4.3	15.3	9.0
Mar 7	13.3	10.8	8.6	10.6	10.6	10.1	8.8	9.0	9.8	12.7	17.2	16.5	22.2	21.4	16.5	18.6	15.9	11.4	10.1	8.7	7.2	5.9	6.7	8.1	5.9	22.2	12.1
Mar 8	5.3	6.7	6.0	10.4	11.1	11.9	12.5	13.9	14.6	14.6	17.6	19.2	20.9	20.2	17.4	15.1	14.9	11.1	8.6	9.7	14.0	15.5	14.0	13.9	5.3	20.9	13.3
Mar 9	15.4	17.1	13.2	9.9	9.9	12.1	9.0	6.6	6.7	14.1	13.4	12.1	12.2	15.5	15.1	13.3	11.3	3.0	1.7	3.1	3.3	3.6	6.1	6.7	1.7	17.1	9.8
Mar 10	8.7	10.8	12.4	9.7	9.5	11.6	12.7	11.3	6.9	8.9	8.3	7.2	4.3	7.0	9.7	9.7	9.5	9.0	6.1	1.6	1.4	3.2	3.1	2.3	1.4	12.7	7.7
Mar 11	2.6	5.1	7.9	6.7	6.6	4.8	4.5	2.0	6.0	10.6	9.6	9.7	11.1	11.9	13.6	11.2	9.0	5.5	1.5	2.2	4.7	5.3	6.0	6.1	1.5	13.6	6.8
Mar 12	5.9	7.0	6.2	6.9	7.1	5.8	5.9	7.4	8.2	7.6	7.5	7.6	5.8	5.5	3.5	5.3	7.9	5.5	2.6	**0.1**	1.0	1.4	3.4	3.1	**0.1**	8.2	5.3
Mar 13	0.2	1.8	2.3	0.6	1.3	4.1	3.7	5.0	7.5	8.0	14.2	14.7	14.1	16.2	16.9	18.1	13.1	10.6	8.4	9.4	9.4	10.5	13.4	13.3	0.2	18.1	9.0
Mar 14	9.7	11.1	10.1	13.4	11.4	9.3	12.5	13.9	16.0	18.1	20.4	19.6	20.8	18.4	17.0	20.1	16.0	12.3	16.1	17.3	12.7	23.8	**27.0**	26.2	9.3	**27.0**	**16.4**
Mar 15	23.6	22.2	18.0	16.6	18.8	16.1	11.5	10.7	5.2	12.2	10.1	9.4	10.2	9.8	5.6	6.0	6.7	2.8	3.2	3.5	2.7	4.4	5.2	4.0	2.7	23.6	9.9
Mar 16	3.5	3.9	3.1	3.9	3.2	5.4	4.4	5.8	7.3	5.3	3.4	3.7	3.1	3.3	6.1	4.1	6.3	3.2	1.2	5.9	6.8	5.8	7.0	7.2	1.2	7.3	4.7
Mar 17	8.2	5.1	5.9	6.0	3.7	2.4	8.7	12.5	17.3	17.9	16.5	16.6	13.1	16.9	18.8	17.8	16.3	8.9	14.6	14.1	15.4	13.1	14.0	17.6	2.4	18.8	12.6
Mar 18	10.3	2.0	1.8	1.2	2.4	2.4	1.3	0.7	0.9	8.8	8.3	10.8	13.1	16.7	14.7	14.1	13.4	10.0	9.3	8.3	7.9	5.6	5.3	7.3	0.7	16.7	7.4
Mar 19	6.0	5.4	6.1	7.1	9.2	5.0	4.9	7.1	7.3	6.6	7.3	7.4	8.3	8.0	8.3	9.1	9.8	8.2	7.5	9.9	8.0	8.4	10.2	10.7	4.9	10.7	7.7
Mar 20	10.5	9.1	7.6	8.4	7.7	6.1	7.7	7.6	9.9	8.8	8.0	8.0	7.5	5.5	4.0	3.9	4.6	4.8	5.0	4.9	5.4	5.5	7.8	7.8	3.9	10.5	6.9
Mar 21	8.2	7.2	7.7	5.6	6.8	6.0	8.0	9.2	9.1	9.4	10.8	10.7	11.7	11.4	11.3	7.8	8.7	7.6	2.7	2.4	0.6	0.3	2.6	5.2	0.3	11.7	7.1
Mar 22	3.3	4.5	4.7	4.5	6.2	4.4	4.6	3.9	5.2	8.9	9.5	9.7	9.8	9.1	8.4	7.5	6.4	10.1	10.6	5.7	6.3	5.9	4.5	4.9	3.3	10.6	6.6
Mar 23	4.6	4.4	6.1	7.0	4.8	4.8	4.6	5.2	8.4	8.3	11.3	9.8	8.9	11.0	9.5	9.9	8.0	7.9	8.6	4.7	5.8	6.8	6.6	6.2	4.4	11.3	7.2
Mar 24	3.6	4.4	5.6	6.5	5.6	5.9	6.9	7.4	8.3	8.6	8.3	8.0	8.3	7.7	4.2	5.5	4.9	5.8	6.9	4.0	7.4	8.0	8.1	7.9	3.6	8.6	6.6
Mar 25	7.6	7.1	7.2	6.8	6.1	5.5	8.0	9.5	11.1	12.2	9.9	9.4	11.1	11.6	11.9	11.9	12.0	12.8	10.9	11.3	10.0	12.8	13.0	10.7	5.5	13.0	10.0
Mar 26	6.3	5.2	3.6	4.3	5.5	5.4	5.4	5.1	7.9	9.0	6.9	6.2	10.7	9.2	9.8	7.3	1.9	2.6	2.6	4.1	5.9	4.3	4.5	4.1	1.9	10.7	5.7
Mar 27	3.6	4.5	4.0	3.9	4.3	4.6	5.9	5.5	8.1	7.2	8.5	10.1	10.7	10.7	9.9	9.9	10.7	8.0	7.5	7.7	7.6	7.6	4.5	5.8	3.6	10.7	7.1
Mar 28	6.5	5.8	6.1	6.5	8.5	7.9	8.1	8.1	6.6	6.3	7.3	10.0	9.2	9.0	10.1	8.9	8.9	9.5	9.2	7.2	7.4	6.6	5.8	3.8	3.8	10.1	7.6
Mar 29	2.2	0.9	0.6	0.4	1.4	2.9	2.8	1.7	1.9	1.9	4.8	4.9	5.0	6.9	6.1	5.0	4.6	5.9	6.0	5.6	6.6	6.2	6.6	8.7	0.4	8.7	**4.2**
Mar 30	8.9	8.9	8.5	8.7	10.0	10.1	11.2	11.7	18.1	15.5	11.7	13.6	13.1	8.7	7.1	6.2	4.5	3.5	2.8	0.7	0.9	2.2	3.1	2.8	0.7	18.1	8.0
Mar 31	2.7	1.1	1.9	1.7	3.7	5.7	3.2	7.6	9.7	13.1	17.9	23.6	24.6	25.3	23.1	24.5	25.8	21.4	20.9	19.7	19.5	26.3	20.0	13.3	1.1	26.3	14.8
Diurnal Maximum	23.6	22.2	18.0	16.6	18.8	16.1	12.7	13.9	18.1	18.1	20.4	23.6	24.6	25.3	23.1	24.5	25.8	21.4	20.9	19.7	19.5	26.3	27.0	26.2			
Diurnal Average	7.1	6.8	6.4	6.5	6.8	6.5	6.6	6.9	8.2	9.8	10.7	10.8	11.4	11.7	11.2	10.8	9.9	8.0	7.2	6.5	6.7	7.5	8.1	8.3			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
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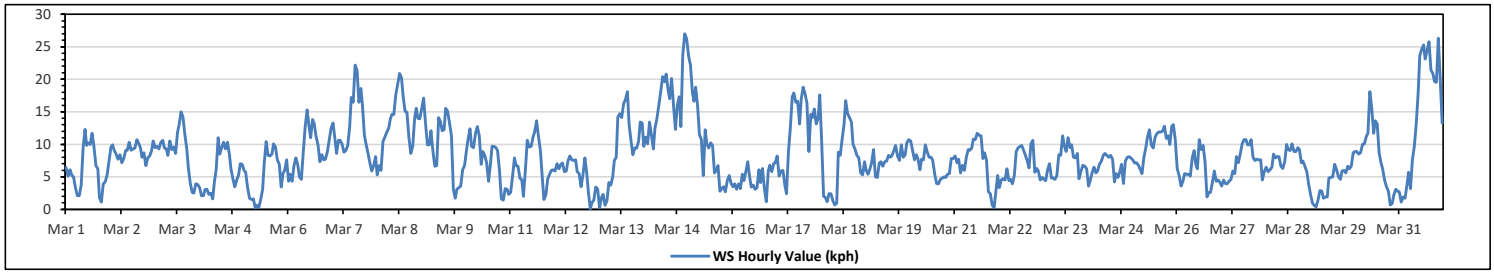
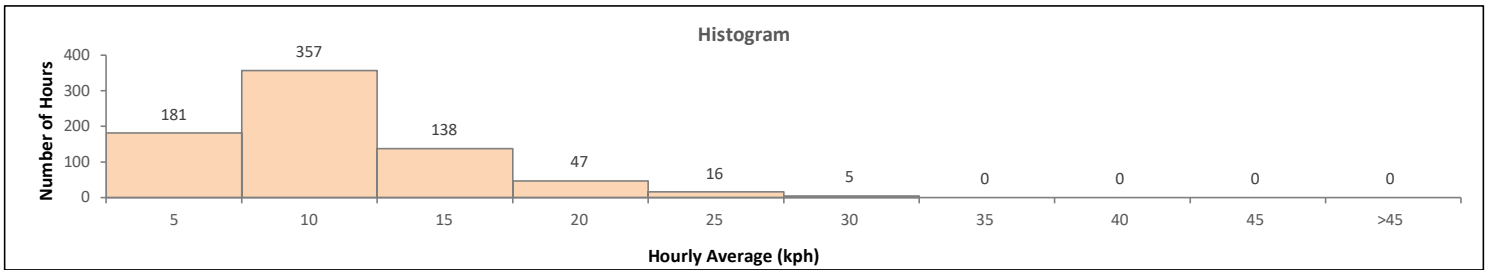


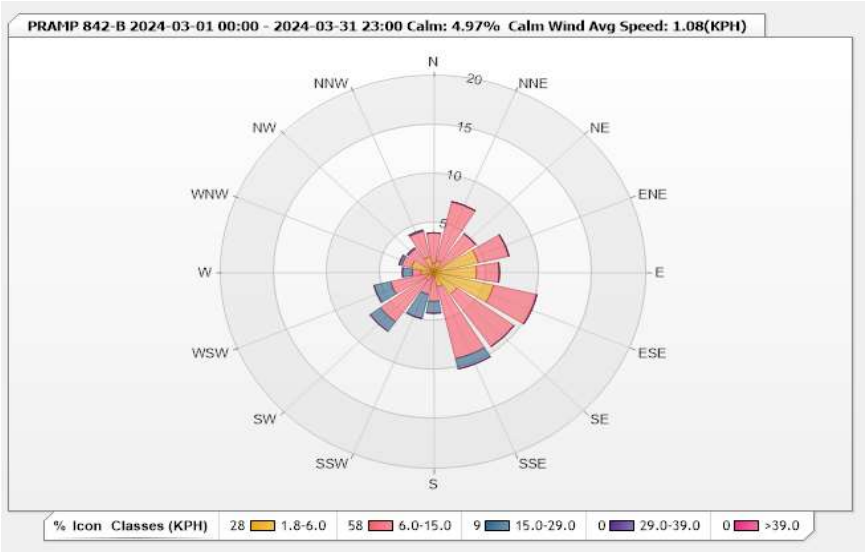


Station: PRAMP 842-B Monitor: WDS [KPH] Monthly: 03-2024

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 4.97% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.94	3.09	0	0	0	4.03
NNE	1.21	6.18	0	0	0	7.39
NE	0.4	4.44	0	0	0	4.84
ENE	4.3	2.96	0	0	0	7.26
E	4.03	2.15	0	0	0	6.18
ESE	5.78	4.17	0	0	0	9.95
SE	2.69	6.59	0	0	0	9.28
SSE	1.48	7.53	1.08	0	0	10.09
S	0.4	2.55	1.21	0	0	4.16
SSW	0.27	2.02	2.55	0	0	4.84
SW	0.94	5.24	1.21	0	0	7.39
WSW	0.54	3.63	1.61	0	0	5.78
W	1.21	0.81	0.94	0	0	2.96
WNW	2.15	0.94	0.27	0	0	3.36
NW	0.4	2.55	0.13	0	0	3.08
NNW	1.61	2.69	0.13	0	0	4.43
Summary	28.35	57.54	9.13	0	0	95.02



Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

Monthly Average:	168 (SSE)	degree	
Hours in Service:	744		
Hours of Data:	744		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Mar 1	NW	NNW	NW	WNW	WNW	WNW	WNW	W	WNW	NNW	NNW	NNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	324	NW
Mar 2	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NNW	NNW	N	N	N	N	N	NE	NE	NE	NNE	17	NNE
Mar 3	NE	NE	NNE	NE	NNE	NE	NNE	NNE	NNE	NNE	NNE	N	NNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	2	N
Mar 4	NNW	NNW	W	WNW	W	W	W	W	W	WNW	NW	WNW	W	W	NW	NW	WNW	WNW	WNW	NW	NW	NW	NW	NNW	300	WNW
Mar 5	N	NNE	NE	NE	ENE	ENE	E	E	ESE	SSE	SW	WSW	WSW	SW	SW	SW	SSW	S	SSE	SSE	SE	SSE	SSE	SSE	194	SSW
Mar 6	SE	SSE	SE	SE	SSE	SE	ESE	SE	SE	SSE	SSE	SSE	SW	S	SW	SW	SW	SSW	S	SSE	SE	SE	SE	SSE	169	SSE
Mar 7	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SW	WSW	WSW	SW	SSW	SW	SSW	SSE	SSE	SSE	195	SSW
Mar 8	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	S	S	S	S	SSE	SE	SE	SSE	SSE	SSE	SSE	162	SSE
Mar 9	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	S	S	S	S	S	WSW	SE	SSE	SE	SW	SW	161	SSE
Mar 10	SSW	SW	WSW	WSW	SW	SSW	SSW	SW	WSW	WSW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	ESE	ESE	E	ESE	229	SW
Mar 11	SE	SSE	SSE	SSE	ESE	ESE	ESE	E	SE	SSE	S	S	S	WSW	WSW	WSW	WSW	WSW	WSW	ENE	ENE	E	E	E	175	S
Mar 12	ESE	ESE	E	E	E	ENE	ENE	E	E	E	E	ESE	ESE	ESE	SW	W	W	WNW	W	N	E	ESE	ESE	ESE	100	E
Mar 13	SSW	E	E	ESE	SE	SE	SE	S	S	S	SW	SW	SW	SW	SW	WSW	SW	SW	SW	SW	WSW	SW	SW	SW	220	SW
Mar 14	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	W	W	W	229	SW
Mar 15	W	W	W	WNW	WNW	NW	NW	NNW	NNW	NNW	NW	NW	NW	NW	WNW	SSW	WSW	WNW	SE	ESE	E	E	ESE	ESE	297	WNW
Mar 16	E	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	E	SSE	SW	SSW	WSW	WSW	WSW	SW	ESE	ESE	ESE	ESE	ESE	108	ESE
Mar 17	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	S	S	S	SSW	SSW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W	212	SSW
Mar 18	W	WNW	W	SW	SW	SW	SE	ESE	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	NNE	NNE	N	344	NNW
Mar 19	N	NNW	N	N	NNE	NNE	N	N	N	N	NNE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	37	NE
Mar 20	ENE	NE	NE	NE	NE	ENE	NE	NE	NE	NE	ENE	ENE	E	SE	ENE	ESE	ENE	E	ESE	E	E	E	ESE	E	71	ENE
Mar 21	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NNE	NNE	NE	NE	ENE	ENE	E	NNW	NNW	ENE	ENE	54	NE
Mar 22	ENE	ENE	ENE	E	ENE	E	E	E	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	SSE	SE	ESE	ESE	ESE	E	E	112	ESE
Mar 23	E	E	ESE	ESE	E	ENE	ESE	ESE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	SE	SE	SE	133	SE
Mar 24	E	E	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	S	SSE	SSE	SSE	SSE	ESE	SE	SE	SE	E	E	ESE	ESE	ESE	128	SE
Mar 25	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SSE	SE	SE	SE	ESE	SE	SE	ESE	ESE	SE	SE	SE	128	SE
Mar 26	SE	ESE	E	ESE	ESE	SE	SE	ESE	SE	S	WSW	WSW	SW	SW	SW	SW	SSE	ENE	ENE	ENE	E	E	ENE	E	157	SSE
Mar 27	NE	ENE	ENE	NNE	NNE	N	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NE	NE	NNE	NNE	NE	NE	NNE	NNE	23	NNE
Mar 28	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	ENE	NNE	N	N	NNE	N	NNE	N	N	NNE	E	ENE	ENE	ENE	26	NNE
Mar 29	E	ENE	NW	ESE	E	ENE	ENE	E	ESE	WNW	WNW	NNW	W	NW	W	W	SW	SW	SW	S	SSE	SSE	SE	SE	210	SSW
Mar 30	SE	SE	SE	SE	SE	ESE	SE	SSE	SSE	SSE	SSW	S	SW	W	W	WNW	WNW	WNW	WNW	E	E	ESE	ESE	SE	169	SSE
Mar 31	SE	SSE	ESE	ESE	ESE	SE	SE	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW	SW	SSW	SW	WSW	WSW	NW	213	SSW

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

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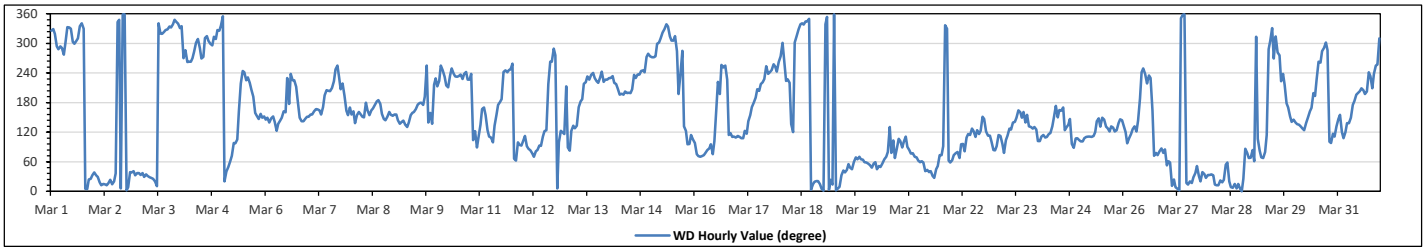
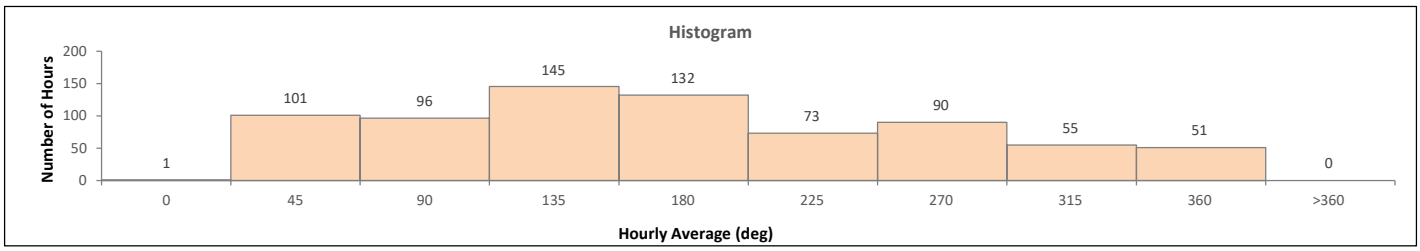
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

842-B Station - March 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	27.0	kph	on Mar 14 at hr 22	Hours in Service:	744
Maximum Daily Value:	16.4	kph	on Mar 14	Hours of Data:	744
Minimum Hourly Value:	0.1	kph	on Mar 12 at hr 19	Hours of Missing Data:	0
Minimum Daily Value:	4.2	kph	on Mar 29	Hours of Calibration:	0
Monthly Average:	1.8	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 168 degree (SSE)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	6.4	5.1	6.1	5.2	5.0	3.3	2.1	2.1	3.7	9.4	12.3	9.8	10.2	10.0	11.7	9.6	6.7	6.2	1.8	1.1	3.9	4.2	5.3	7.4	1.1	12.3	6.2
	NW	NNW	NW	WNW	WNW	WNW	WNW	W	WNW	NNW	NNW	NNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	N	N	NNE	NNE	NNE			324(NW)
Mar 2	9.6	9.9	9.1	8.5	7.7	8.4	7.2	7.8	9.0	9.1	10.3	9.1	9.3	9.4	10.7	10.2	9.5	8.0	8.7	6.7	7.9	8.2	9.0	10.5	6.7	10.7	8.9
	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NNW	NNW	N	N	N	N	N	NE	NE	NE	NNE			17(NNE)
Mar 3	9.5	9.7	9.3	10.3	10.6	9.4	9.3	8.3	10.5	9.2	9.6	8.6	11.8	13.0	15.0	14.2	11.5	9.3	6.3	4.0	2.6	2.5	3.9	3.8	2.5	15.0	8.8
	NE	NE	NNE	NE	NNE	NE	NNE	NNE	NNE	NNE	NNE	N	NNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW			2(N)
Mar 4	3.3	2.1	2.1	3.0	3.1	2.3	2.5	1.6	4.1	6.2	11.0	8.5	9.5	10.3	9.3	10.3	8.5	6.2	4.7	3.5	4.5	5.3	7.0	6.9	1.6	11.0	5.7
	NNW	NNW	W	WNW	W	W	W	W	W	WNW	NW	WNW	W	W	NW	NW	WNW	WNW	WNW	NW	NW	NW	NW	NNW			300(WNW)
Mar 5	6.0	5.7	3.3	1.7	1.5	1.6	0.2	0.6	0.3	1.5	3.1	7.1	10.4	8.3	8.2	8.5	10.1	9.6	7.6	6.9	3.4	5.6	6.0	7.6	0.2	10.4	5.2
	N	NNE	NE	NE	ENE	ENE	E	E	ESE	SSE	SW	WSW	WSW	SW	SW	SW	SSW	S	SSE	SSE	SE	SSE	SSE	SSE			194(SSW)
Mar 6	4.3	5.4	4.3	6.7	7.9	6.8	5.0	4.6	8.8	12.7	15.3	12.7	11.0	13.8	13.2	11.2	9.9	7.3	8.4	7.6	7.7	8.8	10.6	12.5	4.3	15.3	9.0
	SE	SSE	SE	SE	SSE	SE	ESE	SE	SE	SSE	SSE	SSE	SW	S	SW	SW	SW	SSW	S	SSE	SE	SE	SE	SSE			169(SSE)
Mar 7	13.3	10.8	8.6	10.6	10.6	10.1	8.8	9.0	9.8	12.7	17.2	16.5	22.2	21.4	16.5	18.6	15.9	11.4	10.1	8.7	7.2	5.9	6.7	8.1	5.9	22.2	12.1
	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SW	WSW	WSW	SW	SSW	SW	SSW	SSE	SSE	SSE			195(SSW)
Mar 8	5.3	6.7	6.0	10.4	11.1	11.9	12.5	13.9	14.6	14.6	17.6	19.2	20.9	20.2	17.4	15.1	14.9	11.1	8.6	9.7	14.0	15.5	14.0	13.9	5.3	20.9	13.3
	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	S	S	S	S	SSE	SE	SE	SSE	SSE	SSE	SSE			162(SSE)
Mar 9	15.4	17.1	13.2	9.9	9.9	12.1	9.0	6.6	6.7	14.1	13.4	12.1	12.2	15.5	15.1	13.3	11.3	3.0	1.7	3.1	3.3	3.6	6.1	6.7	1.7	17.1	9.8
	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	S	S	S	S	S	WSW	SE	SSE	SE	SW	SW			161(SSE)
Mar 10	8.7	10.8	12.4	9.7	9.5	11.6	12.7	11.3	6.9	8.9	8.3	7.2	4.3	7.0	9.7	9.7	9.5	9.0	6.1	1.6	1.4	3.2	3.1	2.3	1.4	12.7	7.7
	SSW	SW	WSW	WSW	SW	SSW	SSW	SW	WSW	WSW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	ESE	ESE	E	ESE			229(SW)
Mar 11	2.6	5.1	7.9	6.7	6.6	4.8	4.5	2.0	6.0	10.6	9.6	9.7	11.1	11.9	13.6	11.2	9.0	5.5	1.5	2.2	4.7	5.3	6.0	6.1	1.5	13.6	6.8
	SE	SSE	SSE	SSE	ESE	ESE	ESE	E	SE	SSE	S	S	S	WSW	WSW	WSW	WSW	WSW	WSW	ENE	ENE	E	E	E			175(S)
Mar 12	5.9	7.0	6.2	6.9	7.1	5.8	5.9	7.4	8.2	7.6	7.5	7.6	5.8	5.5	3.5	5.3	7.9	5.5	2.6	**0.1**	1.0	1.4	3.4	3.1	**0.1**	8.2	5.3
	ESE	ESE	E	E	E	ENE	ENE	E	E	E	E	ESE	ESE	ESE	SW	W	W	WNW	W	N	E	ESE	ESE	ESE			100(E)
Mar 13	0.2	1.8	2.3	0.6	1.3	4.1	3.7	5.0	7.5	8.0	14.2	14.7	14.1	16.2	16.9	18.1	13.1	10.6	8.4	9.4	9.4	10.5	13.4	13.3	0.2	18.1	9.0
	SSW	E	E	ESE	SE	SE	SE	S	S	S	SW	SW	SW	SW	SW	WSW	SW	SW	SW	SW	WSW	SW	SW	SW			220(SW)
Mar 14	9.7	11.1	10.1	13.4	11.4	9.3	12.5	13.9	16.0	18.1	20.4	19.6	20.8	18.4	17.0	20.1	16.0	12.3	16.1	17.3	12.7	23.8	**27.0**	26.2	9.3	**27.0**	**16.4**
	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	W	W	W			229(SW)
Mar 15	23.6	22.2	18.0	16.6	18.8	16.1	11.5	10.7	5.2	12.2	10.1	9.4	10.2	9.8	5.6	6.0	6.7	2.8	3.2	3.5	2.7	4.4	5.2	4.0	2.7	23.6	9.9
	W	W	W	WNW	WNW	NW	NW	NNW	NNW	NNW	NW	NW	NW	NW	WNW	SSW	WSW	WNW	SE	ESE	E	E	ESE	ESE			297(WNW)
Mar 16	3.5	3.9	3.1	3.9	3.2	5.4	4.4	5.8	7.3	5.3	3.4	3.7	3.1	3.3	6.1	4.1	6.3	3.2	1.2	5.9	6.8	5.8	7.0	7.2	1.2	7.3	4.7
	E	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	E	SSE	SW	SSW	WSW	WSW	WSW	SW	ESE	ESE	ESE	ESE	ESE			108(ESE)
Mar 17	8.2	5.1	5.9	6.0	3.7	2.4	8.7	12.5	17.3	17.9	16.5	16.6	13.1	16.9	18.8	17.8	16.3	8.9	14.6	14.1	15.4	13.1	14.0	17.6	2.4	18.8	12.6
	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	S	S	S	SSW	SSW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W			212(SSW)
Mar 18	10.3	2.0	1.8	1.2	2.4	2.4	1.3	0.7	0.9	8.8	8.3	10.8	13.1	16.7	14.7	14.1	13.4	10.0	9.3	8.3	7.9	5.6	5.3	7.3	0.7	16.7	7.4
	W	WNW	W	SW	SW	SW	SE	ESE	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	NNE	NNE	N			344(NNW)
Mar 19	6.0	5.4	6.1	7.1	9.2	5.0	4.9	7.1	7.3	6.6	7.3	7.4	8.3	8.0	8.3	9.1	9.8	8.2	7.5	9.9	8.0	8.4	10.2	10.7	4.9	10.7	7.7
	N	NNW	N	N	NNE	NNE	N	N	N	N	NNE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE			37(NE)
Mar 20	10.5	9.1	7.6	8.4	7.7	6.1	7.7	7.6	9.9	8.8	8.0	8.0	7.5	5.5	4.0	3.9	4.6	4.8	5.0	4.9	5.4	5.5	7.8	7.8	3.9	10.5	6.9
	ENE	NE	NE	NE	NE	ENE	NE	NE	NE	NE	ENE	ENE	E	SE	ENE	ESE	ENE	E	ESE	E	E	E	ESE	E			71(ENE)
Mar 21	8.2	7.2	7.7	5.6	6.8	6.0	8.0	9.2	9.1	9.4	10.8	10.7	11.7	11.4	11.3	7.8	8.7	7.6	2.7	2.4	0.6	0.3	2.6	5.2	0.3	11.7	7.1
	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NNE	NNE	NE	NE	ENE	ENE	E	NNW	NNW	ENE	ENE			54(NE)
Mar 22	3.3	4.5	4.7	4.5	6.2	4.4	4.6	3.9	5.2	8.9	9.5	9.7	9.8	9.1	8.4	7.5	6.4	10.1	10.6	5.7	6.3	5.9	4.5	4.9	3.3	10.6	6.6
	ENE	ENE	ENE	E	ENE	E	E	E	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	SSE	SE	ESE	ESE	ESE	E	E			112(ESE)
Mar 23	4.6	4.4	6.1	7.0	4.8	4.8	4.6	5.2	8.4	8.3	11.3	9.8	8.9	11.0	9.5	9.9	8.0	7.9	8.6	4.7	5.8	6.8	6.6	6.2	4.4	11.3	7.2
	E	E	ESE	ESE	E	ENE	ESE	ESE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	SE	SE	SE	SE			133(SE)
Mar 24	3.6	4.4	5.6	6.5	5.6	5.9	6.9	7.4	8.3	8.6	8.3	8.0	8.3	7.7	4.2	5.5	4.9	5.8	6.9	4.0	7.4	8.0	8.1	7.9	3.6	8.6	6.6
	E	E	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	S	SSE	SSE	SSE	SSE	ESE	SE	SE	SE	E	E	ESE	ESE	ESE			128(SE)
Mar 25	7.6	7.1	7.2	6.8	6.1	5.5	8.0	9.5	11.1	12.2	9.9	9.4	11.1	11.6	11.9	11.9	12.0	12.8	10.9	11.3	10.0	12.8	13.0	10.7	5.5	13.0	10.0
	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SSE	SE	SE	SE	ESE	SE	SE	ESE	ESE	SE	SE	SE			128(SE)
Mar 26	6.3	5.2	3.6	4.3	5.5	5.4	5.4	5.1	7.9	9.0	6.9	6.2	10.7	9.2	9.8	7.3	1.9	2.6	2.6	4.1	5.9	4.3	4.5	4.1	1.9	10.7	5.7
	SE	ESE	E	ESE	ESE	SE	SE	ESE	SE	S	WSW	WSW	SW	SW	SW	SW	SSE	ENE	ENE	ENE	E	E	ENE	E			157(SSE)
Mar 27	3.6	4.5	4.0	3.9	4.3	4.6	5.9	5.5	8.1	7.2	8.5	10.1	10.7	10.7	9.9	9.9	10.7	8.0	7.5	7.7	7.6	7.6	4.5	5.8	3.6	10.7	7.1
	NE	ENE	ENE	NNE	NNE	N	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NE	NE	NNE	NNE	NE	NE	NNE	NNE			23(NNE)
Mar 28	6.5	5.8	6.1	6.5	8.5	7.9	8.1	8.1	6.6	6.3	7.3	10.0	9.2	9.0	10.1	8.9	8.9	9.5	9.2	7.2	7.4	6.6	5.8	3.8	3.8	10.1	7.6
	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	ENE	NNE	N	N	NNE	N	NNE	N	N	NNE	E	ENE	ENE	ENE			26(NNE)
Mar 29	2.2	0.9	0.6	0.4	1.4	2.9	2.8	1.7	1.9	1.9	4.8	4.9	5.0	6.9	6.1	5.0	4.6	5.9	6.0	5.6	6.6	6.2	6.6	8.7	0.4	8.7	**4.2**
	E	ENE	NW	ESE	E	ENE	ENE	E	ESE	WNW	WNW	NNW	W	NW	W	W	SW	SW	SW	S	SSE	SSE	SE	SE			210(SSW)
Mar 30	8.9	8.9	8.5	8.7	10.0	10.1	11.2	11.7	18.1	15.5	11.7	13.6	13.1	8.7	7.1	6.2	4.5	3.5	2.8	0.7	0.9	2.2	3.1	2.8	0.7	18.1	8.0
	SE	SE	SE	SE	SE	ESE	SE	SSE	SSE	SSE	SSW	S	SW	W	W	WNW	WNW	WNW	WNW	E	E	ESE	ESE	SE			169(SSE)
Mar 31	2.7	1.1	1.9	1.7	3.7	5.7	3.2	7.6	9.7	13.1	17.9	23.6	24.6	25.3	23.1	24.5	25.8	21.4	20.9	19.7	19.5	26.3	20.0	13.3	1.1	26.3	14.8
	SE	SSE	ESE	ESE	ESE	SE	SE	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW	SW	SSW	SW	WSW	WSW	NW			213(SSW)

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance			
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P**	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

RENO -B STATION

Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

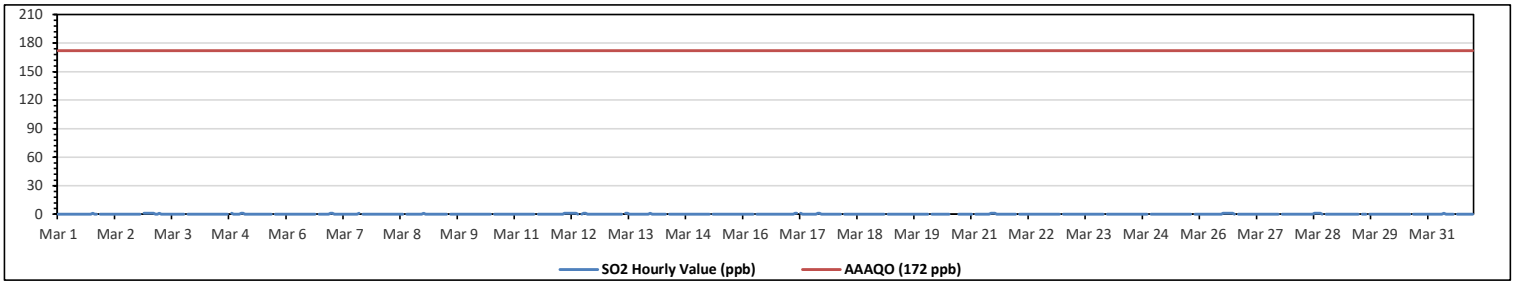
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

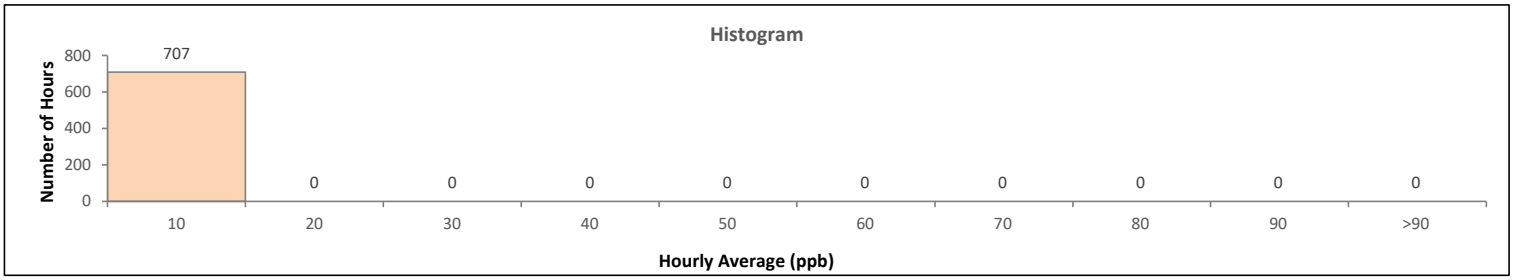
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on Mar 1 at hr 18	Hours in Service:	744	
Maximum Daily Value:	0.4	ppb	on Mar 12	Hours of Data:	707	
Minimum Hourly Value:	0	ppb	on Mar 1 at hr 0	Hours of Missing Data:	1	
Minimum Daily Value:	0.0	ppb	on Mar 8	Hours of Calibration:	36	
Monthly Average:	0.1	ppb		Operational Uptime:	99.9	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	S	0	0	0	1	0.0
Mar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	1	1	0	1	0.1
Mar 3	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0.2
Mar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	1	0.0
Mar 5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0.1
Mar 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0	1	0.0
Mar 7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	0	0	1	0.1
Mar 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 9	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 11	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 12	0	0	1	1	1	1	1	1	1	0	S	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0.4
Mar 13	0	0	0	0	0	0	0	0	0	S	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0.1
Mar 14	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 15	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 16	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 17	0	0	0	1	1	S	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0.2
Mar 18	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 19	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 20	0	0	S	0	0	0	0	0	0	0	0	0	0	C	C	C	C	0	0	0	0	0	0	0	0	0	0.0
Mar 21	0	S	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 22	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
Mar 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Mar 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Mar 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Mar 26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	S	0	0	0	0	0	1	0.3
Mar 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Mar 28	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	S	0	0	0	0	0	0	0	1	0.2
Mar 29	0	0	0	0	0	0	0	0	0	0	0	0	K	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Mar 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Mar 31	0	0	0	0	0	0	0	0	1	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0.0
Diurnal Maximum	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1			
Diurnal Average	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



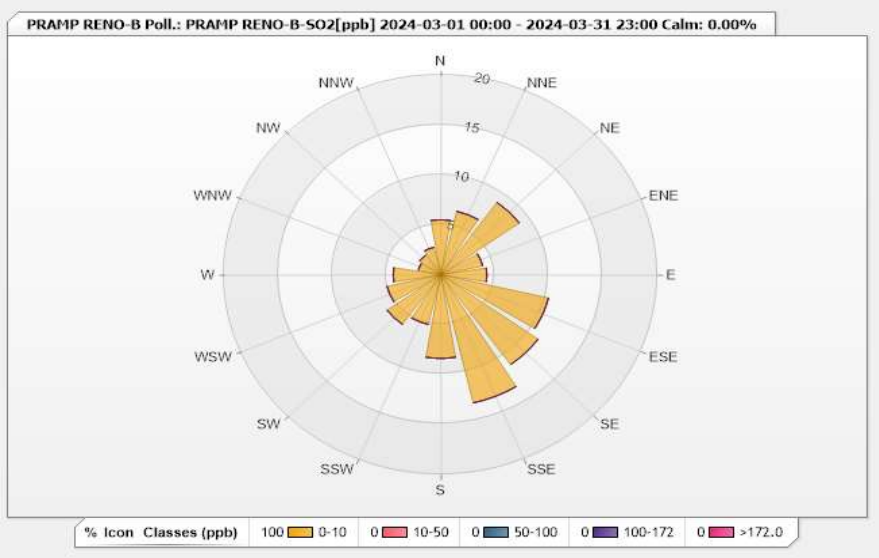


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-SO2[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	5.52	0	0	0	0	5.52
NNE	6.52	0	0	0	0	6.52
NE	8.92	0	0	0	0	8.92
ENE	3.97	0	0	0	0	3.97
E	4.25	0	0	0	0	4.25
ESE	10.2	0	0	0	0	10.2
SE	11.05	0	0	0	0	11.05
SSE	13.17	0	0	0	0	13.17
S	8.36	0	0	0	0	8.36
SSW	5.1	0	0	0	0	5.1
SW	6.09	0	0	0	0	6.09
WSW	5.1	0	0	0	0	5.1
W	4.39	0	0	0	0	4.39
WNW	2.12	0	0	0	0	2.12
NW	2.41	0	0	0	0	2.41
NNW	2.83	0	0	0	0	2.83
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

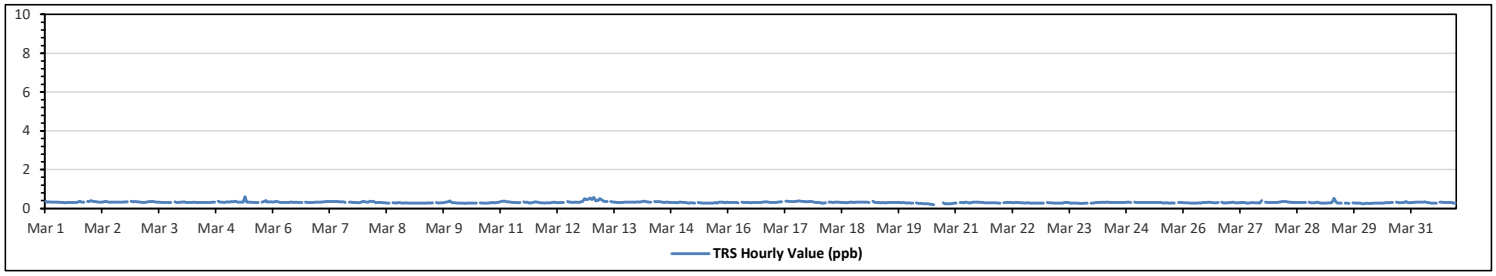
TOTAL REDUCED SULPHUR (TRS) in ppb

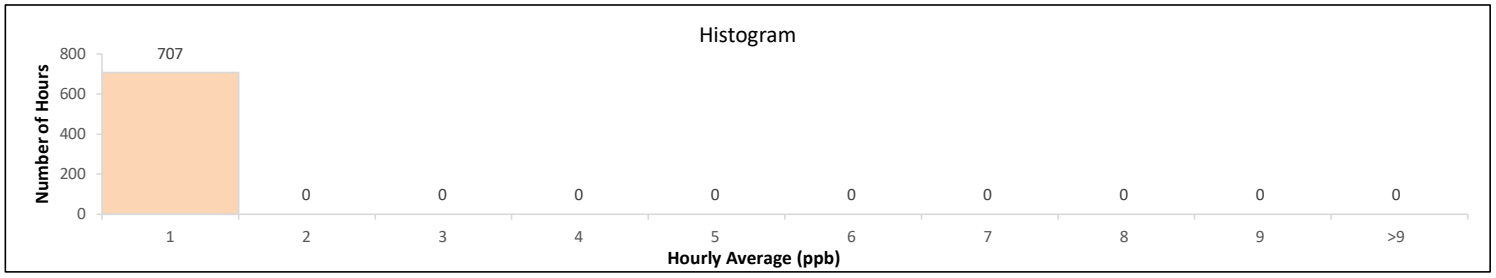
Maximum Hourly Value:	0.60	ppb	on Mar 5 at hr 9	Hours in Service:	744	
Maximum Daily Value:	0.36	ppb	on Mar 13	Hours of Data:	707	
Minimum Hourly Value:	0.20	ppb	on Mar 20 at hr 12	Hours of Missing Data:	1	
Minimum Daily Value:	0.25	ppb	on Mar 20	Hours of Calibration:	36	
Monthly Average:	0.31	ppb		Operational Uptime:	99.9	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0.35	0.33	0.34	0.32	0.32	0.33	0.32	0.32	0.31	0.31	0.29	0.3	0.31	0.31	0.31	0.3	0.31	0.33	0.37	0.33	0.32	S	0.36	0.35	0.29	0.37	0.32
Mar 2	0.42	0.35	0.35	0.34	0.33	0.33	0.33	0.36	0.35	0.32	0.32	0.32	0.32	0.33	0.32	0.32	0.32	0.33	0.34	0.34	S	0.37	0.34	0.35	0.32	0.42	0.34
Mar 3	0.34	0.34	0.33	0.31	0.31	0.32	0.34	0.35	0.35	0.35	0.32	0.32	0.33	0.31	0.31	0.3	0.31	0.31	0.3	S	0.34	0.3	0.3	0.33	0.30	0.35	0.32
Mar 4	0.32	0.34	0.31	0.3	0.3	0.3	0.32	0.31	0.31	0.31	0.31	0.3	0.3	0.31	0.31	0.31	0.32	0.32	S	0.37	0.33	0.33	0.31	0.32	0.30	0.37	0.32
Mar 5	0.34	0.33	0.35	0.34	0.37	0.33	0.33	0.33	0.33	**0.6**	0.33	0.32	0.32	0.31	0.3	0.31	0.31	S	0.32	0.35	0.42	0.33	0.34	0.34	0.30	**0.60**	0.35
Mar 6	0.33	0.35	0.35	0.32	0.31	0.3	0.3	0.31	0.31	0.32	0.32	0.31	0.32	0.31	0.31	0.31	S	0.33	0.31	0.3	0.3	0.3	0.32	0.32	0.30	0.35	0.32
Mar 7	0.32	0.32	0.34	0.34	0.35	0.36	0.35	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.31	S	0.33	0.32	0.31	0.31	0.3	0.29	0.3	0.35	0.29	0.36	0.33
Mar 8	0.35	0.33	0.33	0.37	0.35	0.36	0.29	0.3	0.3	0.3	0.29	0.29	0.27	0.28	S	0.29	0.29	0.28	0.3	0.29	0.28	0.28	0.29	0.28	0.27	0.37	0.30
Mar 9	0.28	0.27	0.28	0.27	0.27	0.28	0.28	0.27	0.28	0.28	0.29	0.28	0.29	S	0.3	0.28	0.29	0.29	0.31	0.32	0.34	0.39	0.31	0.29	0.27	0.39	0.29
Mar 10	0.29	0.27	0.28	0.27	0.28	0.26	0.27	0.28	0.27	0.28	0.27	0.27	S	0.29	0.28	0.27	0.27	0.28	0.29	0.29	0.3	0.29	0.31	0.32	0.26	0.32	0.28
Mar 11	0.36	0.38	0.37	0.34	0.34	0.32	0.3	0.3	0.3	0.29	0.3	S	0.34	0.3	0.32	0.28	0.29	0.3	0.34	0.32	0.3	0.29	0.29	0.28	0.28	0.38	0.32
Mar 12	0.29	0.29	0.29	0.3	0.32	0.3	0.29	0.3	0.3	0.3	S	0.35	0.33	0.32	0.31	0.32	0.32	0.31	0.34	0.36	0.51	0.46	0.48	0.53	0.29	0.53	0.34
Mar 13	0.46	0.57	0.39	0.42	0.5	0.46	0.38	0.36	0.36	S	0.36	0.32	0.32	0.31	0.3	0.31	0.3	0.32	0.33	0.32	0.33	0.33	0.32	0.32	0.30	0.57	**0.36**
Mar 14	0.34	0.33	0.34	0.37	0.35	0.34	0.32	0.32	S	0.35	0.34	0.35	0.34	0.32	0.31	0.32	0.32	0.31	0.31	0.3	0.3	0.29	0.32	0.32	0.29	0.37	0.33
Mar 15	0.31	0.31	0.29	0.28	0.29	0.29	0.27	S	0.3	0.29	0.28	0.28	0.28	0.27	0.28	0.27	0.27	0.3	0.28	0.32	0.33	0.33	0.29	0.32	0.27	0.33	0.29
Mar 16	0.3	0.31	0.31	0.3	0.3	0.29	S	0.32	0.31	0.3	0.3	0.3	0.29	0.3	0.3	0.3	0.31	0.31	0.32	0.34	0.34	0.32	0.31	0.31	0.29	0.34	0.31
Mar 17	0.31	0.31	0.33	0.34	0.34	S	0.38	0.37	0.36	0.35	0.36	0.36	0.37	0.39	0.38	0.36	0.35	0.34	0.35	0.36	0.36	0.33	0.31	0.3	0.30	0.39	0.35
Mar 18	0.31	0.28	0.28	0.29	S	0.32	0.33	0.3	0.32	0.32	0.32	0.3	0.3	0.31	0.29	0.31	0.32	0.33	0.31	0.32	0.33	0.33	0.32	0.33	0.28	0.33	0.31
Mar 19	0.32	0.32	0.31	S	0.38	0.3	0.3	0.31	0.29	0.3	0.29	0.29	0.31	0.31	0.31	0.3	0.3	0.31	0.3	0.29	0.3	0.29	0.28	0.29	0.28	0.38	0.30
Mar 20	0.28	0.28	S	0.29	0.26	0.26	0.26	0.25	0.24	0.23	0.22	0.21	0.2	S	S	S	S	0.29	0.24	0.24	0.24	0.25	0.26	0.27	0.20	0.29	0.25
Mar 21	0.28	S	0.31	0.3	0.29	0.32	0.31	0.28	0.3	0.33	0.33	0.32	0.33	0.3	0.3	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.33	0.30
Mar 22	S	0.29	0.3	0.3	0.3	0.3	0.29	0.31	0.31	0.31	0.29	0.29	0.28	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	S	0.28	0.31	0.29
Mar 23	0.3	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.3	0.3	0.3	0.28	0.27	0.28	0.27	0.27	0.26	0.26	0.26	0.27	0.27	S	0.28	0.26	0.30	0.28
Mar 24	0.28	0.29	0.3	0.3	0.31	0.32	0.3	0.33	0.32	0.31	0.3	0.31	0.3	0.3	0.3	0.31	0.31	0.31	0.32	0.32	0.3	S	0.32	0.3	0.28	0.33	0.31
Mar 25	0.3	0.3	0.3	0.3	0.31	0.3	0.3	0.3	0.31	0.31	0.3	0.3	0.3	0.28	0.29	0.29	0.28	0.28	0.29	0.28	S	0.31	0.3	0.3	0.28	0.31	0.30
Mar 26	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.29	0.28	0.3	0.31	0.31	0.33	0.31	0.3	0.29	0.29	0.3	S	0.32	0.28	0.29	0.29	0.28	0.33	0.29
Mar 27	0.3	0.31	0.32	0.29	0.29	0.29	0.3	0.3	0.3	0.28	0.28	0.29	0.31	0.29	0.29	0.29	0.28	0.42	S	0.32	0.3	0.3	0.3	0.3	0.28	0.42	0.30
Mar 28	0.3	0.31	0.33	0.34	0.36	0.35	0.35	0.33	0.33	0.31	0.31	0.3	0.31	0.31	0.3	0.3	0.3	S	0.32	0.29	0.29	0.29	0.32	0.3	0.29	0.36	0.32
Mar 29	0.28	0.27	0.28	0.28	0.29	0.29	0.29	0.52	0.34	0.28	0.28	0.27	K	0.27	0.27	0.26	S	0.29	0.28	0.27	0.27	0.27	0.25	0.25	0.25	0.52	0.29
Mar 30	0.27	0.26	0.26	0.26	0.28	0.27	0.28	0.28	0.28	0.28	0.29	0.3	0.29	0.3	0.31	S	0.32	0.3	0.29	0.3	0.3	0.35	0.31	0.29	0.26	0.35	0.29
Mar 31	0.3	0.3	0.32	0.32	0.32	0.33	0.33	0.34	0.31	0.31	0.28	0.28	0.27	0.28	S	0.33	0.32	0.3	0.3	0.31	0.3	0.31	0.27	0.27	0.27	0.34	0.30
Diurnal Maximum	0.46	0.57	0.39	0.42	0.50	0.46	0.38	0.52	0.36	0.60	0.36	0.36	0.37	0.39	0.38	0.36	0.35	0.42	0.37	0.37	0.51	0.46	0.48	0.53			
Diurnal Average	0.32	0.32	0.32	0.31	0.32	0.31	0.31	0.32	0.31	0.32	0.30	0.30	0.31	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.32	0.31	0.31	0.31			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



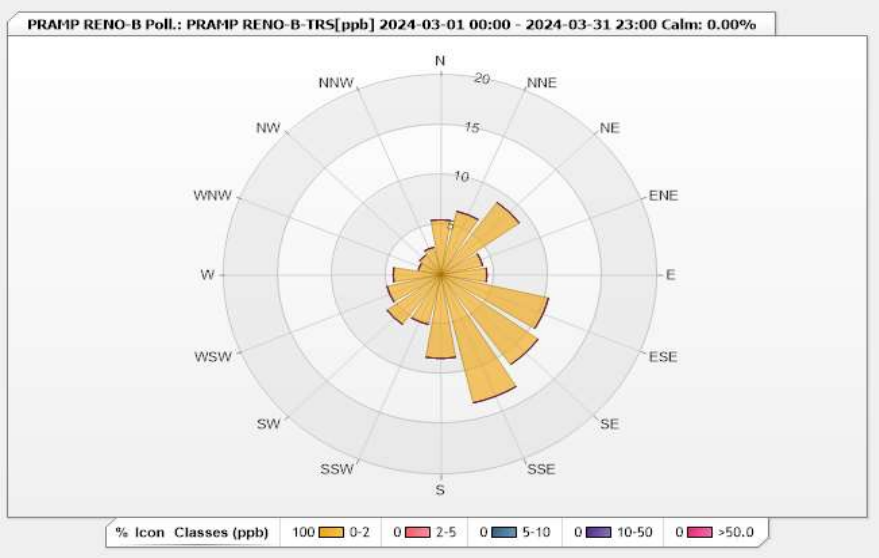


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-TRS[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	5.52	0	0	0	0	5.52
NNE	6.52	0	0	0	0	6.52
NE	8.92	0	0	0	0	8.92
ENE	3.97	0	0	0	0	3.97
E	4.25	0	0	0	0	4.25
ESE	10.2	0	0	0	0	10.2
SE	11.05	0	0	0	0	11.05
SSE	13.17	0	0	0	0	13.17
S	8.36	0	0	0	0	8.36
SSW	5.1	0	0	0	0	5.1
SW	6.09	0	0	0	0	6.09
WSW	5.1	0	0	0	0	5.1
W	4.39	0	0	0	0	4.39
WNW	2.12	0	0	0	0	2.12
NW	2.41	0	0	0	0	2.41
NNW	2.83	0	0	0	0	2.83
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

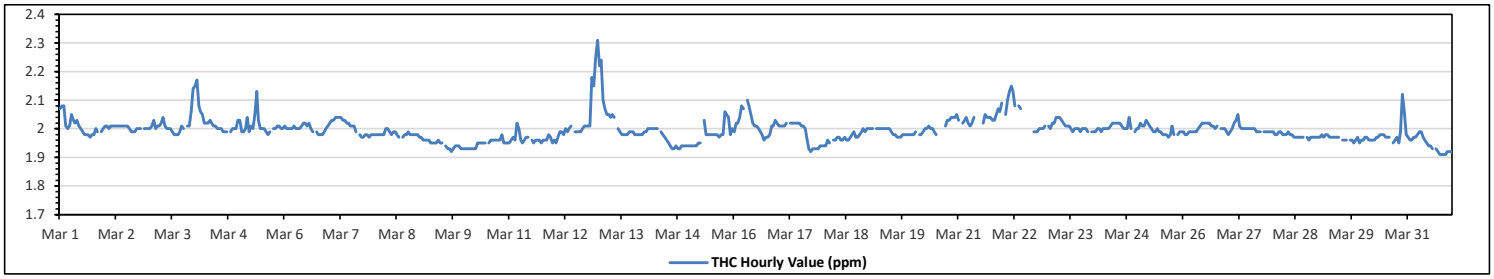
TOTAL HYDROCARBONS (THC) in ppm

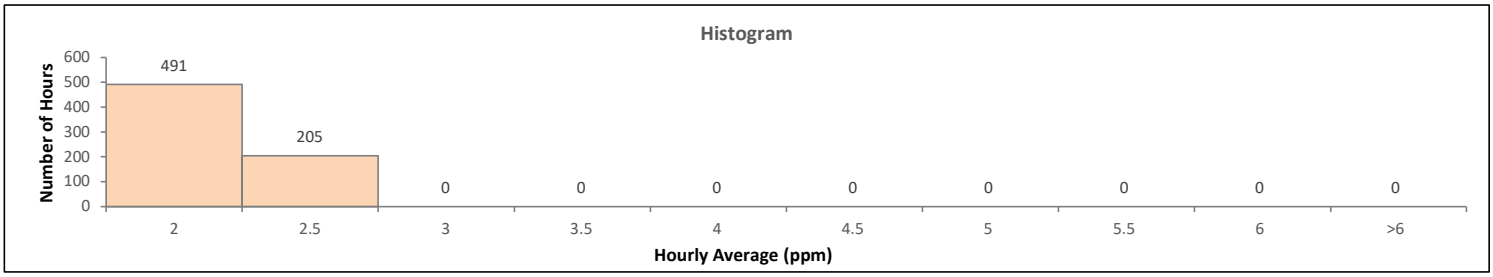
Maximum Hourly Value:	2.31	ppm	on Mar 12 at hr 23	Hours in Service:	744
Maximum Daily Value:	2.04	ppm	on Mar 21	Hours of Data:	696
Minimum Hourly Value:	1.91	ppm	on Mar 31 at hr 17	Hours of Missing Data:	12
Minimum Daily Value:	1.94	ppm	on Mar 31	Hours of Calibration:	36
Monthly Average:	1.99	ppm		Operational Uptime:	98.4

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	2.07	2.08	2.08	2.01	2.00	2.01	2.05	2.03	2.02	2.03	2.01	2.00	1.99	1.98	1.98	1.98	1.97	1.98	1.98	2.00	1.99	S	1.99	2.00	1.97	2.08	2.01
Mar 2	2.01	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	1.99	1.99	1.99	2.00	2.00	2.00	S	2.00	2.00	2.00	1.99	2.01	2.00
Mar 3	2.00	2.01	2.03	2.00	2.01	2.01	2.02	2.04	2.01	2.00	2.00	2.00	1.99	1.98	1.98	1.98	1.99	2.01	2.00	S	2.01	2.01	2.06	2.14	1.98	2.14	2.01
Mar 4	2.15	2.17	2.08	2.06	2.05	2.02	2.02	2.02	2.03	2.02	2.01	2.01	2.00	2.00	2.00	1.99	1.99	1.99	S	1.99	2.00	2.00	2.00	2.03	1.99	2.17	2.03
Mar 5	2.03	1.99	1.99	2.00	2.04	1.99	2.01	2.00	2.05	2.13	2.03	2.00	2.00	2.00	1.99	1.98	1.99	S	2.00	2.00	2.01	2.01	2.00	2.00	1.98	2.13	2.01
Mar 6	2.01	2.00	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.01	2.02	2.02	2.01	2.02	2.00	1.99	S	1.99	1.98	1.98	1.98	1.99	2.00	2.01	1.98	2.02	2.00
Mar 7	2.02	2.03	2.03	2.04	2.04	2.04	2.04	2.03	2.03	2.02	2.02	2.01	2.01	2.01	1.99	S	1.98	1.97	1.97	1.98	1.98	1.97	1.98	1.98	1.97	2.04	2.01
Mar 8	1.98	1.98	1.98	1.98	1.98	1.98	2.00	2.00	1.99	1.98	1.99	1.99	1.98	1.97	S	1.97	1.98	1.98	1.99	1.98	1.98	1.98	1.98	1.98	1.97	2.00	1.98
Mar 9	1.97	1.97	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.96	1.95	1.95	S	1.94	1.93	1.93	1.92	1.93	1.94	1.94	1.94	1.93	1.93	1.92	1.97	1.95
Mar 10	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.95	1.95	1.95	1.95	1.95	S	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.98	1.95	1.95	1.95	1.93	1.98	1.95
Mar 11	1.95	1.96	1.97	1.96	2.02	2.00	1.96	1.95	1.96	1.97	1.97	S	1.96	1.95	1.96	1.96	1.96	1.95	1.96	1.96	1.96	1.98	1.97	1.95	1.95	2.02	1.96
Mar 12	1.96	1.95	1.97	1.99	1.99	1.98	2.00	1.99	2.00	2.01	S	1.99	1.99	1.99	1.99	2.00	2.01	2.01	2.01	2.01	2.18	2.15	2.25	**2.31**	1.95	**2.31**	2.03
Mar 13	2.22	2.24	2.10	2.07	2.05	2.05	2.04	2.05	2.04	S	2.00	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	2.24	2.03
Mar 14	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	S	1.99	1.98	1.97	1.96	1.95	1.94	1.93	1.93	1.94	1.93	1.93	1.94	1.94	1.94	1.94	1.93	2.00	1.96
Mar 15	1.94	1.94	1.94	1.94	1.94	1.95	1.95	S	2.03	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.98	2.06	2.05	2.04	1.98	2.00	1.94	2.06	1.98
Mar 16	1.99	2.02	2.02	2.04	2.08	2.07	S	2.10	2.08	2.05	2.02	2.01	2.01	2.00	1.99	1.98	1.96	1.97	1.97	1.98	2.01	2.01	2.03	2.02	1.96	2.10	2.02
Mar 17	2.01	2.01	2.01	2.01	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.00	1.96	1.93	1.92	1.93	1.93	1.93	1.93	1.94	1.94	1.92	2.02	1.98
Mar 18	1.94	1.94	1.96	1.95	S	1.96	1.96	1.97	1.97	1.96	1.96	1.97	1.96	1.96	1.97	1.98	1.99	1.97	1.97	1.98	1.99	2.00	1.99	2.00	1.94	2.00	1.97
Mar 19	2.00	2.00	2.00	S	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.97	2.00	1.99
Mar 20	1.98	1.99	S	1.98	1.98	1.99	2.00	2.00	2.01	2.00	2.00	1.99	1.98	C	C	C	C	2.01	2.03	2.03	2.04	2.04	2.04	2.05	1.98	2.05	2.01
Mar 21	2.03	S	2.02	2.03	2.04	2.02	2.01	2.02	2.04	NRM	NRM	NRM	NRM	2.02	2.05	2.04	2.04	2.04	2.03	2.03	2.05	2.07	2.06	2.09	2.01	2.09	**2.04**
Mar 22	S	2.05	2.10	2.13	2.15	2.13	2.08	X	2.08	2.07	X	X	NRM	NRM	NRM	NRM	1.99	1.99	1.99	2.00	2.00	2.00	2.01	S	1.99	2.15	NA
Mar 23	2.01	2.00	2.02	2.02	2.04	2.04	2.04	2.03	2.02	2.01	2.01	2.01	2.00	1.99	2.00	2.00	2.00	1.99	2.00	2.00	2.00	1.99	S	1.99	1.99	2.04	2.01
Mar 24	1.99	1.99	2.00	2.00	1.99	2.00	2.00	2.00	2.00	2.01	2.02	2.02	2.02	2.02	2.02	2.01	2.00	2.00	2.00	2.04	2.00	S	1.99	2.00	1.99	2.04	2.01
Mar 25	2.00	2.02	2.01	2.01	2.03	2.02	2.01	2.00	1.99	1.99	2.00	1.99	1.99	1.98	1.98	1.98	1.97	1.98	2.01	1.98	S	1.98	1.99	1.99	1.97	2.03	2.00
Mar 26	1.99	1.98	1.98	1.99	1.99	1.99	1.99	1.99	2.00	2.01	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.00	2.01	S	2.00	2.00	2.00	1.99	1.98	2.02	2.00
Mar 27	1.98	1.99	2.00	2.02	2.03	2.05	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	S	1.99	1.99	1.99	1.99	1.99	1.98	2.05	2.00
Mar 28	1.99	1.98	1.98	1.99	1.99	1.98	1.98	1.98	1.99	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	S	1.97	1.96	1.97	1.97	1.97	1.97	1.96	1.99	1.98
Mar 29	1.97	1.97	1.98	1.97	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	K	1.96	1.96	1.96	S	1.96	1.96	1.95	1.96	1.97	1.95	1.96	1.95	1.98	1.97
Mar 30	1.96	1.97	1.97	1.96	1.96	1.96	1.96	1.97	1.97	1.98	1.98	1.98	1.97	1.97	1.97	S	1.95	1.96	1.97	1.95	1.99	2.12	2.06	1.98	1.95	2.12	1.98
Mar 31	1.97	1.96	1.96	1.97	1.97	1.98	1.99	1.99	1.97	1.96	1.95	1.94	1.94	1.93	S	1.93	1.92	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.91	1.99	1.94
Diurnal Maximum	2.22	2.24	2.10	2.13	2.15	2.13	2.08	2.10	2.08	2.13	2.03	2.02	2.02	2.02	2.05	2.04	2.04	2.04	2.03	2.06	2.18	2.15	2.25	2.31			
Diurnal Average	2.00	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.01	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	2.00	2.00	2.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



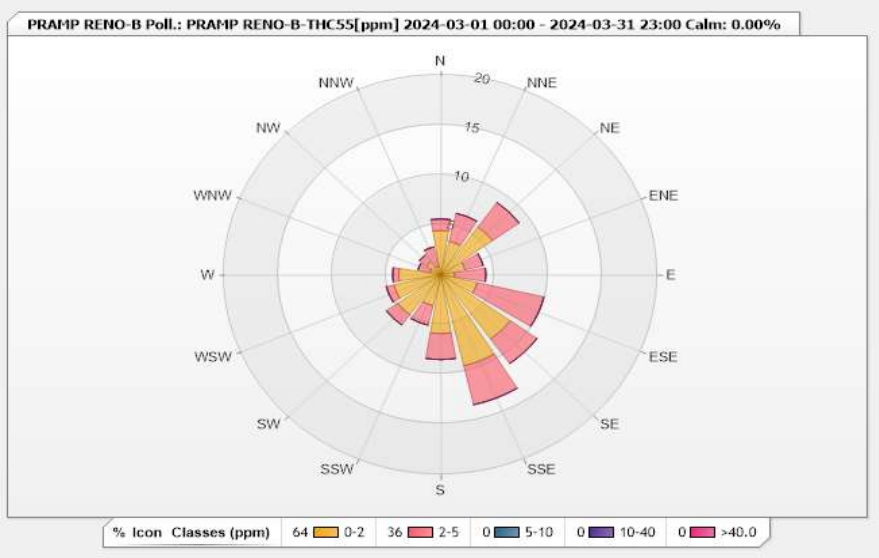


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-THC55[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 93.55% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	4.45	1.15	0	0	0	5.6
NNE	3.45	2.87	0	0	0	6.32
NE	5.89	3.02	0	0	0	8.91
ENE	2.3	1.72	0	0	0	4.02
E	1.29	2.87	0	0	0	4.16
ESE	3.45	6.32	0	0	0	9.77
SE	7.9	3.02	0	0	0	10.92
SSE	9.34	4.02	0	0	0	13.36
S	5.89	2.59	0	0	0	8.48
SSW	3.16	2.01	0	0	0	5.17
SW	4.89	1.29	0	0	0	6.18
WSW	4.45	0.72	0	0	0	5.17
W	3.88	0.57	0	0	0	4.45
WNW	1.01	1.15	0	0	0	2.16
NW	1.58	0.86	0	0	0	2.44
NNW	0.86	2.01	0	0	0	2.87
Summary	63.79	36.19	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

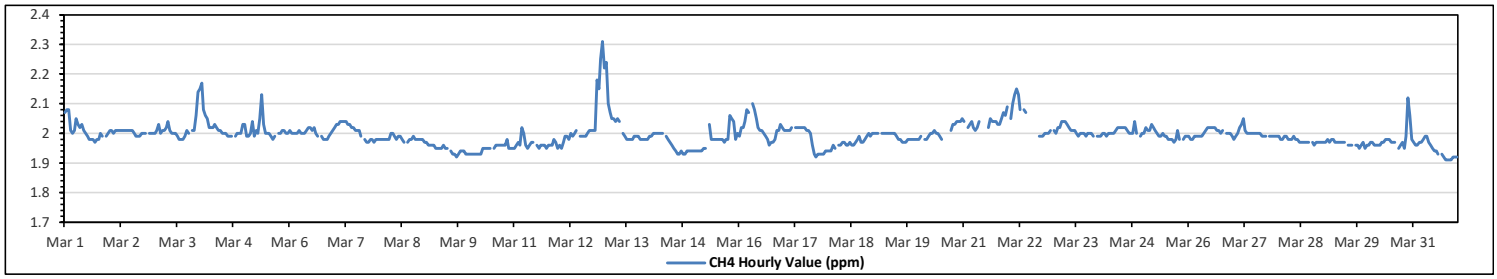
METHANE (CH4) in ppm

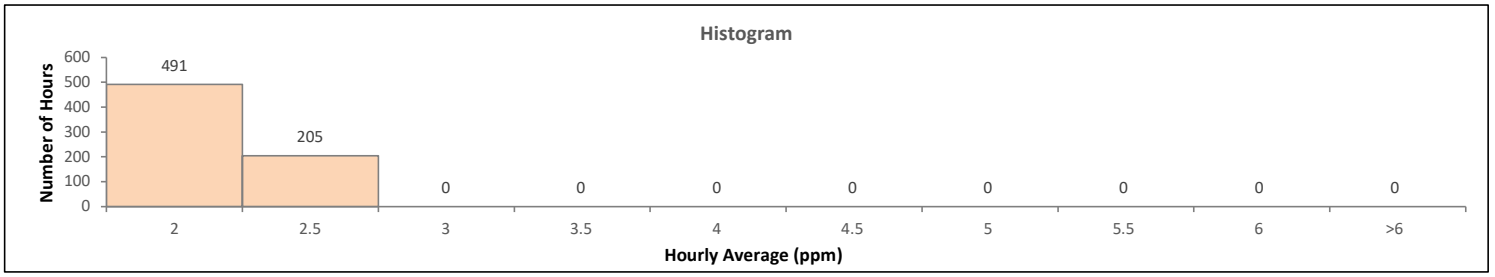
Maximum Hourly Value:	2.31	ppm	on Mar 12 at hr 23	Hours in Service:	744
Maximum Daily Value:	2.04	ppm	on Mar 21	Hours of Data:	696
Minimum Hourly Value:	1.91	ppm	on Mar 31 at hr 17	Hours of Missing Data:	12
Minimum Daily Value:	1.94	ppm	on Mar 31	Hours of Calibration:	36
Monthly Average:	1.99	ppm		Operational Uptime:	98.4

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	2.07	2.08	2.08	2.01	2.00	2.01	2.05	2.03	2.02	2.03	2.01	2.00	1.99	1.98	1.98	1.98	1.97	1.98	1.98	2.00	1.99	S	1.99	2.00	1.97	2.08	2.01
Mar 2	2.01	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	1.99	1.99	1.99	2.00	2.00	2.00	S	2.00	2.00	2.00	1.99	2.01	2.00
Mar 3	2.00	2.01	2.03	2.00	2.01	2.01	2.02	2.04	2.01	2.00	2.00	2.00	1.99	1.98	1.98	1.98	1.99	2.01	2.00	S	2.01	2.01	2.06	2.14	1.98	2.14	2.01
Mar 4	2.15	2.17	2.08	2.06	2.05	2.02	2.02	2.02	2.03	2.02	2.01	2.01	2.00	2.00	2.00	1.99	1.99	1.99	S	1.99	2.00	2.00	2.00	2.03	1.99	2.17	2.03
Mar 5	2.03	1.99	1.99	2.00	2.04	1.99	2.01	2.00	2.05	2.13	2.03	2.00	2.00	2.00	1.99	1.98	1.99	S	2.00	2.00	2.01	2.01	2.00	2.00	1.98	2.13	2.01
Mar 6	2.01	2.00	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.01	2.02	2.02	2.01	2.02	2.00	1.99	S	1.99	1.98	1.98	1.98	1.99	2.00	2.01	1.98	2.02	2.00
Mar 7	2.02	2.03	2.03	2.04	2.04	2.04	2.04	2.03	2.03	2.02	2.02	2.01	2.01	2.01	1.99	S	1.98	1.97	1.97	1.98	1.98	1.97	1.98	1.98	1.97	2.04	2.01
Mar 8	1.98	1.98	1.98	1.98	1.98	1.98	2.00	2.00	1.99	1.98	1.99	1.99	1.98	1.97	S	1.97	1.98	1.98	1.99	1.98	1.98	1.98	1.98	1.98	1.97	2.00	1.98
Mar 9	1.97	1.97	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.96	1.95	1.95	S	1.94	1.93	1.93	1.92	1.93	1.94	1.94	1.94	1.93	1.93	1.92	1.97	1.95
Mar 10	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.95	1.95	1.95	1.95	1.95	S	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.98	1.95	1.95	1.95	1.93	1.98	1.95
Mar 11	1.95	1.96	1.97	1.96	2.02	2.00	1.96	1.95	1.96	1.97	1.97	S	1.96	1.95	1.96	1.96	1.96	1.95	1.96	1.96	1.96	1.98	1.97	1.95	1.95	2.02	1.96
Mar 12	1.96	1.95	1.97	1.99	1.99	1.98	2.00	1.99	2.00	2.01	S	1.99	1.99	1.99	1.99	2.00	2.01	2.01	2.01	2.01	2.18	2.15	2.25	**2.31**	1.95	**2.31**	2.03
Mar 13	2.22	2.24	2.10	2.07	2.05	2.05	2.04	2.05	2.04	S	2.00	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	2.24	2.03
Mar 14	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	S	1.99	1.98	1.97	1.96	1.95	1.94	1.93	1.93	1.94	1.93	1.93	1.94	1.94	1.94	1.94	1.93	2.00	1.96
Mar 15	1.94	1.94	1.94	1.94	1.94	1.95	1.95	S	2.03	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.98	2.06	2.05	2.04	1.98	2.00	1.94	2.06	1.98
Mar 16	1.99	2.02	2.02	2.04	2.08	2.07	S	2.10	2.08	2.05	2.02	2.01	2.01	2.00	1.99	1.98	1.96	1.97	1.97	1.98	2.01	2.01	2.03	2.02	1.96	2.10	2.02
Mar 17	2.01	2.01	2.01	2.01	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.00	1.96	1.93	1.92	1.93	1.93	1.93	1.93	1.94	1.94	1.92	2.02	1.98
Mar 18	1.94	1.94	1.96	1.95	S	1.96	1.96	1.97	1.97	1.96	1.96	1.97	1.96	1.96	1.97	1.98	1.99	1.97	1.97	1.98	1.99	2.00	1.99	2.00	1.94	2.00	1.97
Mar 19	2.00	2.00	2.00	S	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.97	2.00	1.99
Mar 20	1.98	1.99	S	1.98	1.98	1.99	2.00	2.00	2.01	2.00	2.00	1.99	1.98	C	C	C	C	2.01	2.03	2.03	2.04	2.04	2.04	2.05	1.98	2.05	2.01
Mar 21	2.04	S	2.02	2.03	2.04	2.02	2.01	2.02	2.04	NRM	NRM	NRM	NRM	2.02	2.05	2.04	2.04	2.04	2.03	2.03	2.05	2.07	2.06	2.09	2.01	2.09	**2.04**
Mar 22	S	2.05	2.10	2.13	2.15	2.13	2.08	X	2.08	2.07	X	X	NRM	NRM	NRM	NRM	NRM	1.99	1.99	1.99	2.00	2.00	2.01	S	1.99	2.15	NA
Mar 23	2.01	2.00	2.02	2.02	2.04	2.04	2.04	2.03	2.02	2.01	2.01	2.01	2.00	1.99	2.00	2.00	2.00	1.99	2.00	2.00	2.00	1.99	S	1.99	1.99	2.04	2.01
Mar 24	1.99	1.99	2.00	2.00	1.99	2.00	2.00	2.00	2.00	2.01	2.02	2.02	2.02	2.02	2.02	2.01	2.00	2.00	2.00	2.04	2.00	S	1.99	2.00	1.99	2.04	2.01
Mar 25	2.00	2.02	2.01	2.01	2.03	2.02	2.01	2.00	1.99	1.99	2.00	1.99	1.99	1.98	1.98	1.98	1.97	1.98	2.01	1.98	S	1.98	1.99	1.99	1.97	2.03	2.00
Mar 26	1.99	1.98	1.98	1.99	1.99	1.99	1.99	1.99	2.00	2.01	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.00	2.01	S	2.00	2.00	2.00	1.99	1.98	2.02	2.00
Mar 27	1.98	1.99	2.00	2.02	2.03	2.05	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	S	1.99	1.99	1.99	1.99	1.99	1.98	2.05	2.00
Mar 28	1.99	1.98	1.98	1.99	1.99	1.98	1.98	1.98	1.99	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	S	1.97	1.96	1.97	1.97	1.97	1.97	1.96	1.99	1.98
Mar 29	1.97	1.97	1.98	1.97	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	K	1.96	1.96	1.96	S	1.96	1.96	1.95	1.96	1.97	1.95	1.96	1.95	1.98	1.97
Mar 30	1.96	1.97	1.97	1.96	1.96	1.96	1.96	1.97	1.97	1.98	1.98	1.98	1.97	1.97	1.97	S	1.95	1.96	1.97	1.95	1.99	2.12	2.06	1.98	1.95	2.12	1.98
Mar 31	1.97	1.96	1.96	1.97	1.97	1.98	1.99	1.99	1.97	1.96	1.95	1.94	1.94	1.93	S	1.93	1.92	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.91	1.99	1.94
Diurnal Maximum	2.22	2.24	2.10	2.13	2.15	2.13	2.08	2.10	2.08	2.13	2.03	2.02	2.02	2.02	2.05	2.04	2.04	2.04	2.03	2.06	2.18	2.15	2.25	2.31			
Diurnal Average	2.00	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.01	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	2.00	2.00	2.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



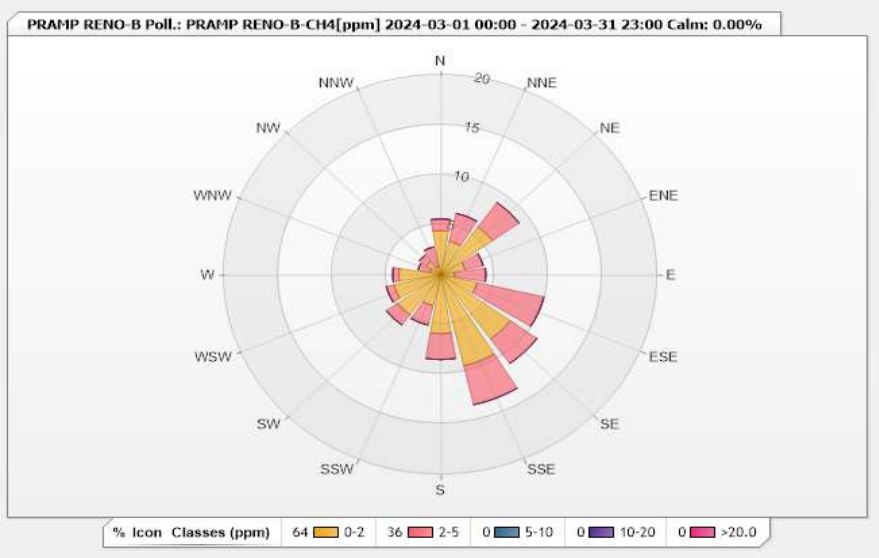


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-CH4[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 93.55% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	4.45	1.15	0	0	0	5.6
NNE	3.45	2.87	0	0	0	6.32
NE	5.89	3.02	0	0	0	8.91
ENE	2.3	1.72	0	0	0	4.02
E	1.29	2.87	0	0	0	4.16
ESE	3.45	6.32	0	0	0	9.77
SE	7.9	3.02	0	0	0	10.92
SSE	9.34	4.02	0	0	0	13.36
S	5.89	2.59	0	0	0	8.48
SSW	3.16	2.01	0	0	0	5.17
SW	4.89	1.29	0	0	0	6.18
WSW	4.45	0.72	0	0	0	5.17
W	3.88	0.57	0	0	0	4.45
WNW	1.01	1.15	0	0	0	2.16
NW	1.58	0.86	0	0	0	2.44
NNW	0.86	2.01	0	0	0	2.87
Summary	63.79	36.19	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

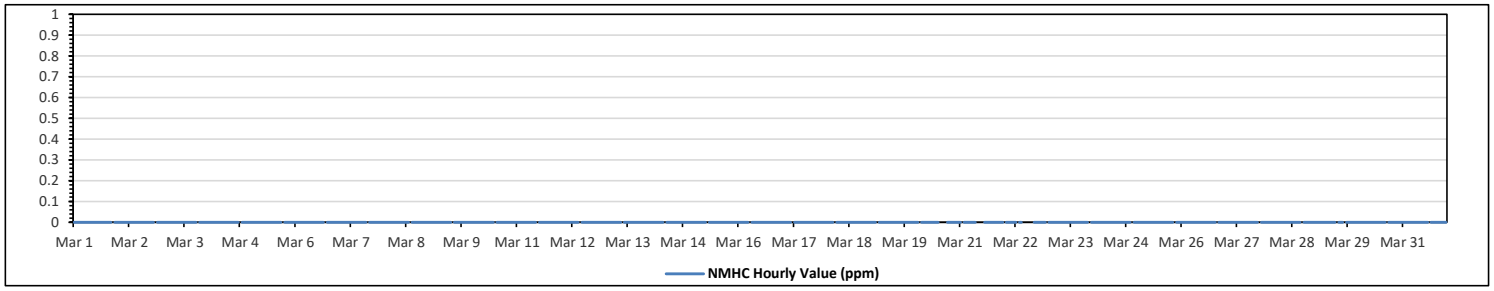
NON-METHANE HYDROCARBONS (NMHC) in ppm

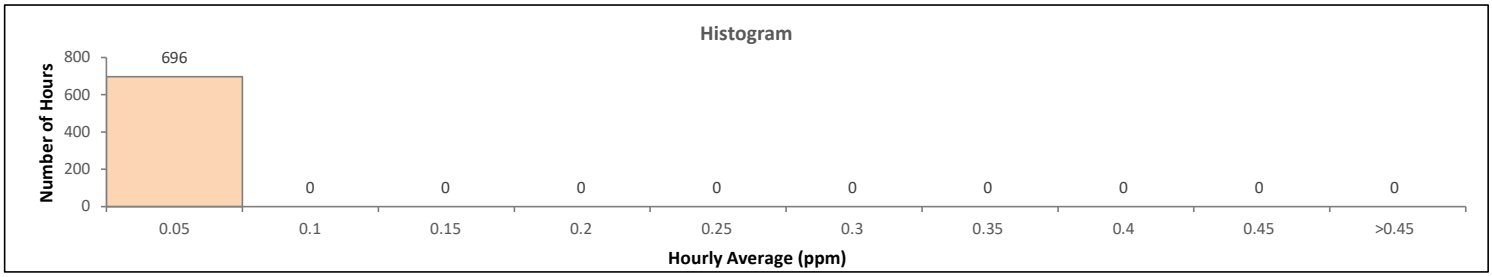
Maximum Hourly Value:	0.00 ppm	on Mar 1 at hr 0	Hours in Service:	744	
Maximum Daily Value:	0.00 ppm	on Mar 1	Hours of Data:	696	
Minimum Hourly Value:	0.00 ppm	on Mar 1 at hr 0	Hours of Missing Data:	12	
Minimum Daily Value:	0.00 ppm	on Mar 1	Hours of Calibration:	36	
Monthly Average:	0.00 ppm		Operational Uptime:	98.4	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Mar 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Mar 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 16	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 17	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 18	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 19	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 20	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 21	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NRM	NRM	NRM	NRM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 22	S	0.00	0.00	0.00	0.00	0.00	0.00	X	0.00	0.00	X	X	NRM	NRM	NRM	NRM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	NA
Mar 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Mar 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Mar 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Mar 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	K	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



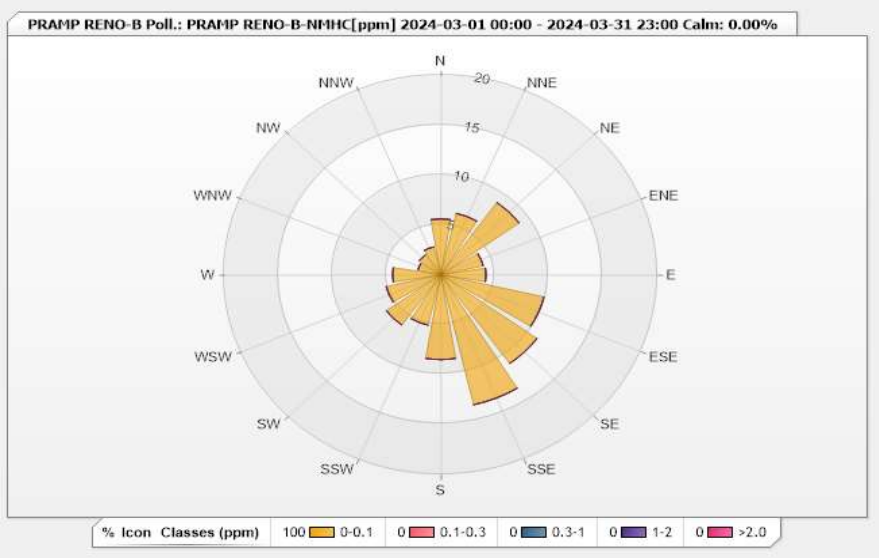


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-NMHC[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 93.55% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	5.6	0	0	0	0	5.6
NNE	6.32	0	0	0	0	6.32
NE	8.91	0	0	0	0	8.91
ENE	4.02	0	0	0	0	4.02
E	4.17	0	0	0	0	4.17
ESE	9.77	0	0	0	0	9.77
SE	10.92	0	0	0	0	10.92
SSE	13.36	0	0	0	0	13.36
S	8.48	0	0	0	0	8.48
SSW	5.17	0	0	0	0	5.17
SW	6.18	0	0	0	0	6.18
WSW	5.17	0	0	0	0	5.17
W	4.45	0	0	0	0	4.45
WNW	2.16	0	0	0	0	2.16
NW	2.44	0	0	0	0	2.44
NNW	2.87	0	0	0	0	2.87
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

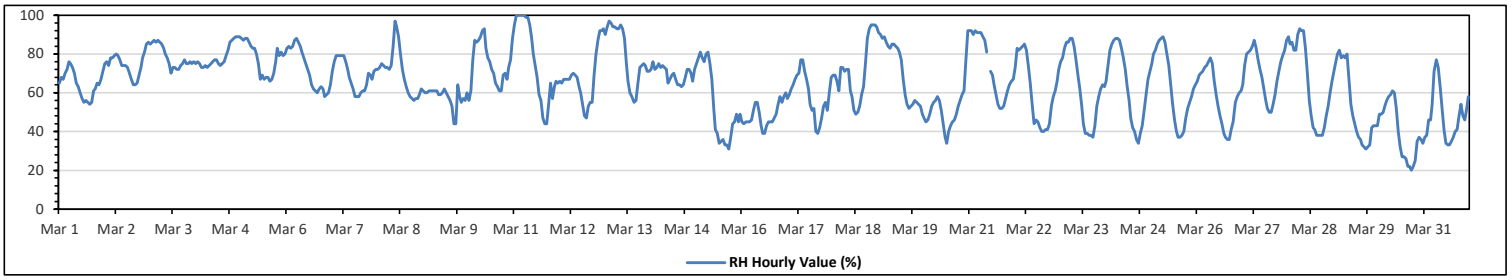
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Mar 11 at hr 1	Hours in Service:	744	
Maximum Daily Value:	79.2	%	on Mar 13	Hours of Data:	743	
Minimum Hourly Value:	20	%	on Mar 30 at hr 17	Hours of Missing Data:	1	
Minimum Daily Value:	39.7	%	on Mar 30	Hours of Calibration:	0	
Monthly Average:	65.3	%		Operational Uptime:	99.9	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	65	68	67	70	72	76	75	73	70	65	63	60	57	55	56	55	54	55	61	62	65	64	67	71	54	76	64.4
Mar 2	75	76	74	78	78	79	80	79	77	74	74	74	73	70	67	64	64	65	69	73	78	81	85	86	64	86	74.7
Mar 3	85	86	87	86	87	86	85	83	80	78	75	70	73	73	72	72	74	75	77	75	75	76	75	76	70	87	78.4
Mar 4	75	76	75	73	73	74	73	74	75	76	77	77	75	74	75	76	79	82	86	87	88	89	89	89	73	89	78.6
Mar 5	88	87	88	88	86	84	83	83	80	75	67	69	67	68	68	66	67	70	76	83	79	81	79	80	66	88	77.6
Mar 6	83	84	83	84	87	88	86	84	81	78	75	72	69	64	62	61	60	62	63	62	58	59	60	64	58	88	72.0
Mar 7	71	76	79	79	79	79	79	76	72	68	65	62	58	58	58	60	61	61	64	70	69	67	71	72	58	79	68.9
Mar 8	72	73	75	74	73	73	72	74	84	97	94	89	80	72	67	63	60	58	57	56	57	57	59	62	56	97	70.8
Mar 9	61	60	60	61	61	61	61	61	59	59	60	62	60	58	56	53	44	44	64	58	55	57	56	60	44	64	58.0
Mar 10	56	61	77	87	86	87	89	92	93	83	78	76	72	70	65	63	61	61	69	70	67	73	77	88	56	93	75.0
Mar 11	95	**100**	**100**	**100**	**100**	**100**	99	99	95	88	80	74	68	59	56	47	44	44	54	65	57	63	66	65	44	**100**	75.8
Mar 12	66	65	67	67	67	67	69	70	69	68	63	60	54	48	47	53	55	55	69	80	87	92	92	93	47	93	67.6
Mar 13	90	94	97	96	94	94	93	93	95	93	88	75	66	60	58	55	56	65	73	74	75	74	71	71	55	97	**79.2**
Mar 14	72	76	72	73	75	73	74	73	72	65	67	69	70	67	64	64	63	64	68	72	72	70	66	72	63	76	69.7
Mar 15	75	78	81	78	76	80	81	75	67	52	41	39	34	35	36	33	33	31	37	44	45	49	45	49	31	81	53.9
Mar 16	45	44	45	45	45	46	51	55	55	50	43	39	39	43	45	45	45	47	49	54	58	55	58	60	39	60	48.4
Mar 17	57	59	62	64	67	69	70	77	77	71	67	62	54	51	52	40	39	42	47	53	55	51	60	68	39	77	58.9
Mar 18	69	69	66	61	73	73	71	72	72	61	58	51	49	50	53	59	63	75	88	93	95	95	95	94	49	95	71.0
Mar 19	91	90	88	89	86	84	83	85	85	84	83	81	77	67	59	54	52	53	54	56	55	54	53	49	49	91	71.3
Mar 20	47	45	46	49	53	55	56	58	56	51	44	37	34	40	43	45	46	49	53	56	59	61	77	92	34	92	52.2
Mar 21	92	92	90	92	91	91	91	89	87	81	K	71	69	64	59	54	52	52	53	57	61	64	66	67	52	92	73.3
Mar 22	73	83	82	83	84	85	82	74	65	54	44	46	45	42	40	40	41	41	44	53	58	61	66	72	40	85	60.8
Mar 23	76	78	83	86	86	88	88	84	77	69	62	53	44	39	39	38	38	37	43	53	58	62	64	63	37	88	62.8
Mar 24	66	74	82	85	87	88	88	87	83	78	72	63	56	47	42	40	36	34	39	43	51	59	67	71	34	88	64.1
Mar 25	75	80	82	85	87	88	89	86	80	74	64	54	46	40	37	37	38	40	47	52	55	58	62	64	37	89	63.3
Mar 26	66	69	70	71	73	74	76	78	75	66	59	53	48	44	39	37	36	36	41	45	55	58	60	61	36	78	57.9
Mar 27	64	74	80	81	82	84	87	83	77	72	68	62	56	52	50	50	54	59	66	71	76	79	82	87	50	87	70.7
Mar 28	89	85	86	82	82	90	93	92	92	83	70	56	48	42	41	38	38	38	38	42	48	53	60	66	38	93	64.7
Mar 29	71	76	80	82	78	79	78	80	67	54	48	44	40	37	36	33	32	31	32	33	42	43	43	43	31	82	53.4
Mar 30	49	49	50	53	56	58	59	61	60	52	40	32	27	27	26	22	22	**20**	22	25	35	37	36	34	**20**	61	**39.7**
Mar 31	37	38	46	46	54	71	77	73	63	52	41	34	33	33	35	37	40	41	48	54	48	46	52	58	33	77	48.2
Diurnal Maximum	95	100	100	100	100	100	99	99	95	97	94	89	80	74	75	76	79	82	88	93	95	95	95	94			
Diurnal Average	70.8	73.1	74.8	75.7	76.7	78.2	78.6	78.2	75.5	70.0	64.3	60.2	56.2	53.2	51.7	50.1	49.9	51.2	56.5	60.4	62.5	64.1	66.4	69.3			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

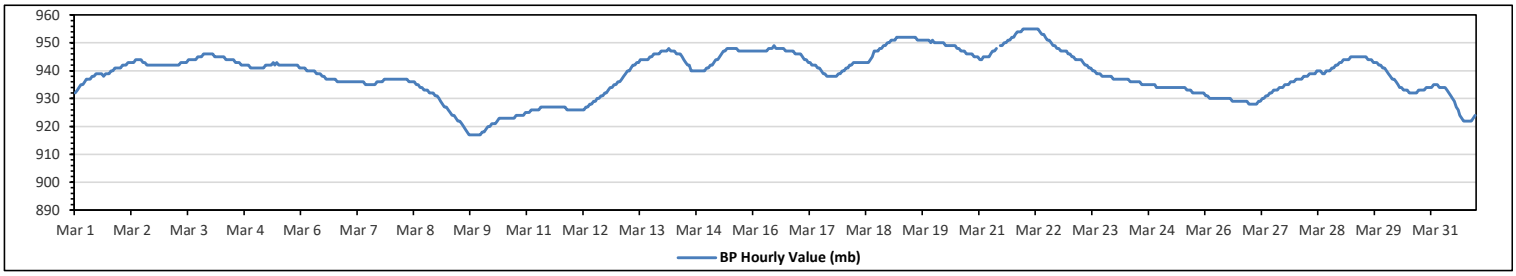
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	955	mb	on Mar 21 at hr 23	Hours in Service:	744
Maximum Daily Value:	951	mb	on Mar 19	Hours of Data:	743
Minimum Hourly Value:	917	mb	on Mar 9 at hr 17	Hours of Missing Data:	1
Minimum Daily Value:	922	mb	on Mar 10	Hours of Calibration:	0
Monthly Average:	939	mb		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	932	933	934	935	935	936	937	937	937	938	938	939	939	939	939	938	939	939	939	940	940	941	941	941	932	941	938
Mar 2	941	942	942	942	943	943	943	943	944	944	944	944	943	943	942	942	942	942	942	942	942	942	942	942	941	944	943
Mar 3	942	942	942	942	942	942	942	942	943	943	943	943	944	944	944	944	944	945	945	945	946	946	946	946	942	946	944
Mar 4	946	946	945	945	945	945	945	945	944	944	944	944	944	943	943	943	942	942	942	942	942	941	941	941	941	946	944
Mar 5	941	941	941	941	941	942	942	942	942	943	942	943	942	942	942	942	942	942	942	942	942	942	942	941	941	943	942
Mar 6	941	941	941	940	940	940	940	940	939	939	939	938	938	937	937	937	937	937	937	936	936	936	936	936	936	941	938
Mar 7	936	936	936	936	936	936	936	936	936	936	935	935	935	935	935	935	936	936	936	936	937	937	937	937	935	937	936
Mar 8	937	937	937	937	937	937	937	937	937	936	936	936	936	935	935	934	934	933	933	933	932	932	932	931	931	937	935
Mar 9	931	930	929	928	927	927	926	925	924	924	923	922	922	921	920	919	918	**917**	**917**	**917**	**917**	**917**	**917**	**917**	**917**	931	922
Mar 10	918	918	919	920	920	921	921	921	922	923	923	923	923	923	923	923	923	923	924	924	924	924	924	925	918	925	**922**
Mar 11	925	925	926	926	926	926	926	927	927	927	927	927	927	927	927	927	927	927	927	927	927	926	926	926	925	927	927
Mar 12	926	926	926	926	926	926	926	927	927	928	928	929	929	930	930	931	931	932	932	933	934	934	935	935	926	935	929
Mar 13	936	936	937	938	939	940	940	941	942	942	943	943	944	944	944	944	944	945	945	946	946	946	946	947	936	947	942
Mar 14	947	947	947	948	947	947	947	946	946	946	945	944	943	942	942	940	940	940	940	940	940	940	940	941	940	948	944
Mar 15	941	942	942	943	944	944	945	946	947	947	948	948	948	948	948	948	947	947	947	947	947	947	947	947	941	948	946
Mar 16	947	947	947	947	947	947	947	947	948	948	948	949	948	948	948	948	948	947	947	947	947	947	946	946	946	949	947
Mar 17	946	946	945	944	944	943	943	942	942	942	941	941	940	939	939	938	938	938	938	938	938	939	939	940	938	946	941
Mar 18	940	941	941	942	942	943	943	943	943	943	943	943	943	943	944	945	947	947	947	948	948	949	949	950	940	950	944
Mar 19	950	951	951	951	952	952	952	952	952	952	952	952	952	952	952	951	951	951	951	951	951	951	950	951	950	952	**951**
Mar 20	950	950	950	950	950	950	949	949	949	949	949	949	948	948	947	947	947	946	946	946	946	945	945	945	945	950	948
Mar 21	944	944	945	945	945	945	946	947	947	948	K	949	949	950	950	951	951	952	952	953	954	954	954	**955**	944	**955**	949
Mar 22	**955**	**955**	**955**	**955**	**955**	**955**	**955**	**955**	954	953	953	952	951	951	950	949	949	948	948	947	947	947	947	946	946	**955**	951
Mar 23	946	945	945	944	944	944	944	943	942	942	941	941	940	940	939	939	939	938	938	938	938	938	938	937	937	946	941
Mar 24	937	937	937	937	937	937	937	937	936	936	936	936	936	936	935	935	935	935	935	935	935	935	934	934	934	937	936
Mar 25	934	934	934	934	934	934	934	934	934	934	934	934	934	934	933	933	933	932	932	932	932	932	932	932	932	934	933
Mar 26	931	931	930	930	930	930	930	930	930	930	930	930	930	930	929	929	929	929	929	929	929	929	929	928	928	931	930
Mar 27	928	928	928	928	929	929	930	930	931	931	932	932	933	933	933	934	934	934	935	935	935	936	936	936	928	936	932
Mar 28	937	937	937	937	938	938	938	939	939	939	939	940	940	940	939	939	940	940	940	941	941	942	942	943	937	943	939
Mar 29	943	944	944	944	944	945	945	945	945	945	945	945	945	945	944	944	944	943	943	943	942	942	941	941	941	945	944
Mar 30	940	939	938	937	937	936	935	934	934	933	933	933	932	932	932	932	932	933	933	933	933	934	934	934	932	940	934
Mar 31	934	935	935	935	934	934	934	934	933	932	931	930	929	927	926	924	923	922	922	922	922	922	923	924	922	935	929
Diurnal Maximum	955	955	955	955	955	955	955	955	954	953	953	952	952	952	952	951	951	952	952	953	954	954	954	955			
Diurnal Average	939	939	939	939	939	939	939	939	939	939	939	939	939	939	938	938	938	938	938	938	938	938	938	939			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

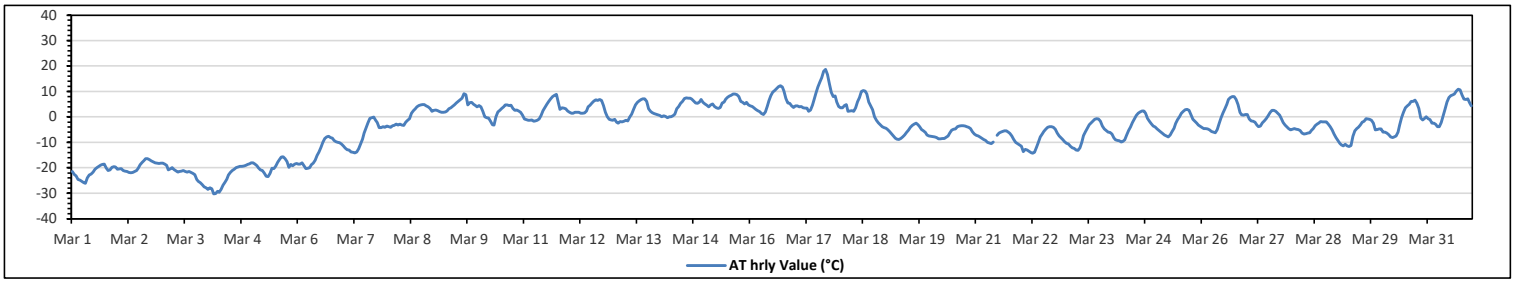
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	18.7	°C	on Mar 17 at hr 16	Hours in Service:	744	
Maximum Daily Value:	8.2	°C	on Mar 17	Hours of Data:	743	
Minimum Hourly Value:	-30.2	°C	on Mar 4 at hr 3	Hours of Missing Data:	1	
Minimum Daily Value:	-23.6	°C	on Mar 4	Hours of Calibration:	0	
Monthly Average:	-4.4	°C		Operational Uptime:	99.9	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	-21.4	-22.6	-23.2	-24.6	-24.8	-25.3	-25.8	-26	-23.9	-22.9	-22.4	-21.6	-20.5	-19.9	-19.4	-18.9	-18.7	-18.6	-20.1	-21	-20.8	-19.8	-19.5	-19.6	-26.0	-18.6	-21.7
Mar 2	-20.5	-20.4	-20.3	-21	-21.3	-21.5	-21.7	-21.9	-21.8	-21.4	-21	-20.2	-18.8	-17.9	-17.2	-16.4	-16.4	-16.7	-17.3	-17.6	-18	-18.2	-18.3	-18.2	-21.9	-16.4	-19.3
Mar 3	-18.2	-18.5	-19	-20.8	-20.4	-20	-20.6	-21.2	-21.6	-21.5	-21.3	-21	-21.4	-21.6	-21.5	-21.7	-22.1	-22.7	-24.5	-25.4	-25.8	-26.6	-27.5	-27.8	-27.8	-18.2	-22.2
Mar 4	-28.4	-27.9	-28.2	**-30.2**	-30.1	-29.3	-29.6	-28.4	-26.9	-25.6	-24.4	-22.9	-21.8	-21.1	-20.5	-20	-19.6	-19.4	-19.4	-19.3	-19	-18.7	-18.4	-18	**-30.2**	-18.0	**-23.6**
Mar 5	-18	-18.5	-19.1	-20.1	-20.8	-21.1	-22	-23.3	-23.4	-22.2	-20.2	-20.3	-19.3	-17.8	-16.6	-15.8	-15.7	-16.4	-17.5	-19.8	-18.7	-19.1	-18.5	-18.3	-23.4	-15.7	-19.3
Mar 6	-18.6	-18.6	-18	-19.1	-20.3	-20.2	-19.9	-18.8	-18.2	-17	-15.1	-13.7	-12	-9.9	-8.5	-7.9	-7.6	-8.1	-8.3	-9.3	-9.7	-9.9	-10.1	-10.7	-20.3	-7.6	-13.7
Mar 7	-11.3	-12.2	-12.8	-13	-13.7	-13.8	-14.1	-13.7	-12.4	-10.7	-8.7	-6.4	-4.3	-2.3	-0.5	-0.2	-0.1	-1.3	-2.2	-4.2	-4.2	-3.9	-4.1	-3.6	-14.1	-0.1	-7.2
Mar 8	-3.8	-4.1	-3.4	-3.3	-2.8	-3.1	-2.8	-3.2	-3.3	-2	-1.4	-0.6	1.5	2.5	3.2	4	4.5	4.8	4.9	4.9	4.4	4	3.3	2.3	-4.1	4.9	0.4
Mar 9	2.6	2.7	2.5	2.1	1.9	1.8	2	2.4	3.2	3.7	4.2	4.8	5.5	6.2	6.7	7.4	9.2	8.8	4.8	5.6	5.7	5	4.5	3.9	1.8	9.2	4.5
Mar 10	4.5	3.9	2.3	0	-0.2	-0.4	-1.6	-3	-3.2	0	2	2.6	3.4	4	4.8	4.8	4.5	4.6	3.3	2.6	2.7	2.4	1.8	0.7	-3.2	4.8	1.9
Mar 11	-0.8	-1.1	-1.4	-1.3	-1.2	-1.6	-1.5	-1.4	-0.8	0.6	2.5	3.8	5	6.1	7.1	7.9	8.5	8.9	5.6	3	3.6	3.5	3.2	2.4	-1.6	8.9	2.5
Mar 12	1.8	1.5	1.5	1.8	1.8	1.8	1.4	1.4	1.6	2.4	3.9	4.6	5.5	6.3	6.7	6.5	6.8	6.5	4.5	1.8	0	-0.9	-1.2	-1.3	-1.3	6.8	2.8
Mar 13	-0.9	-2.1	-2.4	-1.8	-1.9	-1.6	-1.4	-1.5	-0.1	1.1	3	4.7	5.7	6.4	6.8	7.1	7.1	6.1	3.2	2.2	1.7	1.3	1.1	0.8	-2.4	7.1	1.9
Mar 14	0.6	0.1	0.5	0.2	-0.2	0.1	0	0.4	1.1	3.2	4.1	5.3	6.1	7.3	7.5	7.4	7.4	7	6.3	5.4	5.3	5.9	6.8	5.8	-0.2	7.5	3.9
Mar 15	5.2	4.6	4	4.7	5.2	4.1	3.6	3.3	3.8	5.4	5.9	7	7.8	8.2	8.5	9	9	8.8	8	6.1	5.7	5.2	5.8	4.8	3.3	9.0	6.0
Mar 16	4.4	4.1	3.6	2.9	2.5	2.1	1.3	1	2	4.2	6.4	8.4	9.8	10.5	11.1	11.9	12.2	11.8	10.2	7.3	5.4	5.3	4.4	3.8	1.0	12.2	6.1
Mar 17	4.4	4.3	3.9	4.1	3.7	3.5	3.5	2.3	2.7	4.6	6.7	9.4	11.8	13.7	15.4	17.9	**18.7**	16.7	13.1	9.6	8	8.2	5.9	4.1	2.3	**18.7**	**8.2**
Mar 18	3.7	3.7	4.5	4.9	2.3	2.4	2.5	2.2	3.7	6	7.7	10	10.4	10.2	9	5.9	4.3	2.8	0.1	-1.3	-2.3	-3	-3.8	-4.2	-4.2	10.4	3.4
Mar 19	-4.4	-5	-5.7	-6.6	-7.4	-8.3	-8.7	-8.9	-8.5	-7.9	-7	-6.1	-5.2	-4.1	-3.3	-2.8	-2.4	-3	-3.9	-4.9	-5.5	-6.1	-7	-7.5	-8.9	-2.4	-5.8
Mar 20	-7.6	-7.7	-7.9	-8.1	-8.6	-8.6	-8.5	-8.4	-8	-7.4	-6.4	-5.2	-4.8	-4.7	-3.9	-3.5	-3.4	-3.4	-3.6	-3.9	-4.1	-4.5	-5.8	-6.7	-8.6	-3.4	-6.0
Mar 21	-7.2	-7.5	-7.9	-8.3	-8.9	-9.3	-9.9	-10.2	-10.5	-9.8	K	-7.2	-6.4	-5.9	-5.7	-5.5	-5.5	-5.9	-6.5	-7.5	-8.8	-10	-10.5	-10.9	-10.9	-5.5	-8.1
Mar 22	-11.5	-13.6	-12.7	-13	-13.5	-14	-14.3	-13.9	-12	-10	-7.8	-6.7	-5.7	-4.8	-4.1	-3.8	-3.9	-4.1	-4.8	-6.3	-7.5	-8.2	-8.8	-9.7	-14.3	-3.8	-8.9
Mar 23	-10.3	-10.6	-11.5	-12.1	-12.3	-13	-13.1	-12.1	-9.8	-7.3	-5.8	-4.4	-3	-2.3	-1.6	-0.9	-0.7	-0.8	-1.7	-3.5	-4.7	-5.4	-5.9	-6.1	-13.1	-0.7	-6.6
Mar 24	-6.8	-8.2	-9	-9.2	-9.4	-9.8	-9.6	-9	-7.1	-5.4	-4	-2.2	-0.8	0.6	1.5	2	2.4	2.4	1.5	-0.5	-1.6	-2.7	-3.6	-4	-9.8	2.4	-3.9
Mar 25	-4.7	-5.4	-5.9	-6.5	-7	-7.4	-7.9	-7.1	-5.6	-4.4	-2.6	-1.1	0	1.4	2.2	2.8	2.9	2.6	0.8	-0.9	-1.7	-2.4	-3.1	-3.7	-7.9	2.9	-2.7
Mar 26	-4.2	-4.6	-4.6	-4.7	-5.1	-5.6	-6	-6.2	-5	-2.6	-0.3	1.6	3.2	5	6.9	7.6	8	8	6.8	4.9	1.9	0.9	0.7	1	-6.2	8.0	0.3
Mar 27	1	-0.8	-1.5	-1.6	-2	-3.2	-3.9	-3.5	-2.3	-1.5	-0.7	0.5	1.7	2.6	2.6	2.3	1.5	0.7	-0.5	-2.2	-3.1	-3.8	-4.6	-5.1	-5.1	2.6	-1.1
Mar 28	-4.8	-4.6	-4.8	-4.9	-5.3	-6.3	-6.8	-6.6	-6.3	-6.2	-5.4	-4.5	-3.4	-2.8	-2.4	-1.8	-1.9	-1.9	-1.9	-2.8	-3.8	-5.1	-6.7	-8.1	-8.1	-1.8	-4.5
Mar 29	-9.2	-10.3	-10.9	-11.3	-10.8	-11.4	-11.6	-11.2	-7.6	-5.5	-4.6	-4.1	-3.1	-2	-1.6	-0.7	-0.8	-0.9	-1.4	-2.5	-5.1	-4.9	-4.7	-4.7	-11.6	-0.7	-5.9
Mar 30	-6	-6	-6.3	-6.9	-7.8	-8.1	-7.9	-7.4	-6	-3.1	-0.3	1.9	3.7	4.4	5	6.1	6.1	6.6	5.3	3.3	-0.4	-1.2	-0.6	0	-8.1	6.6	-1.1
Mar 31	-0.7	-1	-2.4	-2.4	-2.9	-3.9	-3.9	-2.2	0.5	3.1	5.9	7.6	8.4	8.7	9.1	10.1	10.9	10.6	8.7	7	6.9	7.1	5.5	4.3	-3.9	10.9	4.0
Diurnal Maximum	5.2	4.6	4.5	4.9	5.2	4.1	3.6	3.3	3.8	6.0	7.7	10.0	11.8	13.7	15.4	17.9	18.7	16.7	13.1	9.6	8.0	8.2	6.8	5.8			
Diurnal Average	-6.2	-6.7	-7.0	-7.4	-7.8	-8.1	-8.3	-8.3	-7.3	-5.8	-4.2	-3.1	-2.0	-1.1	-0.4	0.0	0.2	-0.2	-1.5	-2.9	-3.7	-4.1	-4.5	-5.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

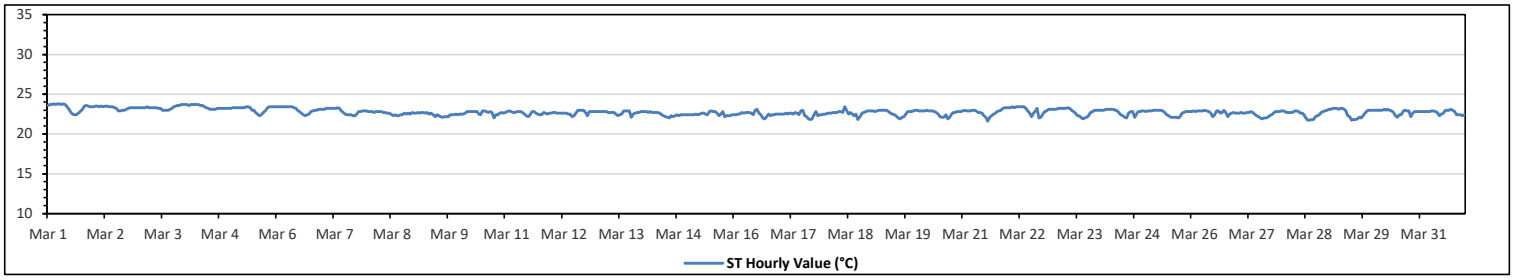
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.8	°C	on Mar 1 at hr 3	Hours in Service:	744	
Maximum Daily Value:	23.4	°C	on Mar 4	Hours of Data:	744	
Minimum Hourly Value:	21.6	°C	on Mar 21 at hr 13	Hours of Missing Data:	0	
Minimum Daily Value:	22.4	°C	on Mar 9	Hours of Calibration:	0	
Monthly Average:	22.8	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	23.6	23.7	23.7	**23.8**	23.7	**23.8**	**23.8**	23.7	**23.8**	23.7	23.4	23.1	22.7	22.5	22.4	22.4	22.6	22.8	23.1	23.5	23.6	23.5	23.4	23.4	22.4	**23.8**	23.3
Mar 2	23.4	23.5	23.5	23.4	23.5	23.4	23.5	23.5	23.4	23.4	23.4	23.3	23.2	22.9	22.9	23.0	23.0	23.1	23.2	23.3	23.3	23.3	23.3	23.3	22.9	23.5	23.3
Mar 3	23.3	23.3	23.3	23.3	23.4	23.3	23.3	23.3	23.3	23.3	23.2	23.2	23.0	23.0	23.0	23.0	23.1	23.2	23.4	23.5	23.6	23.6	23.7	23.7	23.0	23.7	23.3
Mar 4	23.7	23.7	23.6	23.7	23.7	23.7	23.7	23.7	23.6	23.6	23.4	23.3	23.2	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.1	23.7	**23.4**
Mar 5	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.4	23.4	23.3	23.0	23.0	22.7	22.5	22.3	22.4	22.7	22.9	23.2	23.4	23.4	23.4	23.4	22.3	23.4	23.1
Mar 6	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.3	23.2	23.0	22.8	22.6	22.4	22.3	22.4	22.5	22.8	22.9	23.0	23.0	23.1	23.1	22.3	23.4	23.0
Mar 7	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.3	23.2	22.9	22.7	22.5	22.4	22.4	22.4	22.3	22.3	22.5	22.8	22.8	22.9	22.9	22.9	22.3	23.3	22.9
Mar 8	22.8	22.8	22.8	22.7	22.8	22.8	22.8	22.8	22.7	22.7	22.6	22.6	22.5	22.3	22.4	22.3	22.3	22.4	22.4	22.6	22.5	22.6	22.5	22.7	22.3	22.8	22.6
Mar 9	22.6	22.6	22.7	22.6	22.7	22.7	22.6	22.7	22.5	22.6	22.4	22.2	22.4	22.3	22.2	22.1	22.2	22.2	22.2	22.4	22.4	22.4	22.5	22.4	22.1	22.7	**22.4**
Mar 10	22.5	22.5	22.5	22.6	22.8	22.8	22.8	22.8	22.8	22.8	22.5	22.4	22.9	22.9	22.8	22.7	22.8	22.7	22.0	22.4	22.4	22.6	22.7	22.6	22.0	22.9	22.6
Mar 11	22.7	22.8	22.9	22.8	22.7	22.7	22.8	22.8	22.8	22.7	22.5	22.3	22.2	22.4	22.8	22.8	22.6	22.5	22.4	22.4	22.7	22.6	22.5	22.6	22.2	22.9	22.6
Mar 12	22.6	22.7	22.7	22.6	22.6	22.6	22.6	22.6	22.6	22.5	22.5	22.2	22.3	22.6	23.0	23.0	23.0	23.0	22.7	22.3	22.8	22.8	22.8	22.8	22.2	23.0	22.7
Mar 13	22.8	22.8	22.8	22.8	22.8	22.8	22.7	22.7	22.7	22.7	22.5	22.3	22.4	22.5	22.9	22.9	22.9	22.9	22.1	22.5	22.6	22.7	22.7	22.8	22.1	22.9	22.7
Mar 14	22.8	22.8	22.8	22.7	22.8	22.7	22.7	22.7	22.7	22.6	22.4	22.3	22.2	22.1	22.0	22.3	22.2	22.3	22.4	22.3	22.4	22.4	22.4	22.4	22.0	22.8	22.5
Mar 15	22.4	22.4	22.4	22.4	22.5	22.4	22.5	22.6	22.6	22.5	22.4	22.8	22.9	22.8	22.8	22.6	22.3	22.5	22.8	22.2	22.3	22.3	22.3	22.4	22.2	22.9	22.5
Mar 16	22.4	22.4	22.5	22.5	22.7	22.6	22.7	22.7	22.7	22.6	22.4	23.0	23.1	22.6	22.4	22.0	21.9	22.2	22.5	22.3	22.4	22.4	22.5	22.5	21.9	23.1	22.5
Mar 17	22.5	22.5	22.5	22.6	22.5	22.6	22.6	22.5	22.7	22.6	22.4	22.9	23.0	22.3	22.2	21.9	21.8	21.9	22.4	22.8	22.3	22.4	22.4	22.5	21.8	23.0	22.5
Mar 18	22.5	22.6	22.6	22.6	22.7	22.7	22.7	22.8	22.8	22.7	23.4	23.0	22.5	22.7	22.5	22.3	22.5	21.8	22.2	22.6	22.7	22.8	22.9	22.9	21.8	23.4	22.6
Mar 19	22.9	22.9	22.8	22.9	23.0	23.0	23.0	23.0	23.0	22.8	22.6	22.5	22.4	22.3	22.0	21.9	22.1	22.2	22.5	22.8	22.8	22.8	22.9	23.0	21.9	23.0	22.7
Mar 20	23.0	22.9	22.9	22.9	22.9	23.0	22.9	22.9	22.9	22.8	22.7	22.5	22.2	22.1	22.1	22.4	21.9	22.1	22.5	22.7	22.7	22.8	22.8	22.8	21.9	23.0	22.6
Mar 21	22.9	23.0	22.9	22.9	22.9	23.0	23.0	22.9	22.7	22.7	22.6	22.3	22.1	**21.6**	22.1	22.3	22.5	22.6	22.8	22.9	23.0	23.2	23.3	23.3	**21.6**	23.3	22.7
Mar 22	23.3	23.3	23.4	23.3	23.4	23.4	23.4	23.4	23.4	23.2	22.9	22.6	22.2	22.6	22.9	23.2	22.0	22.1	22.5	22.8	22.9	23.1	23.1	23.1	22.0	23.4	23.0
Mar 23	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.3	23.2	23.0	22.8	22.6	22.3	22.3	22.1	21.9	22.0	22.1	22.3	22.7	22.8	23.0	23.0	23.0	21.9	23.3	22.8
Mar 24	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.0	22.9	22.6	22.4	22.3	22.1	22.0	22.6	22.8	22.8	22.1	22.5	22.8	22.8	22.9	22.9	22.0	23.1	22.8
Mar 25	22.8	22.9	22.9	22.9	23.0	23.0	23.0	23.0	23.0	22.9	22.7	22.4	22.3	22.1	22.1	22.1	22.1	22.0	22.2	22.6	22.7	22.8	22.8	22.8	22.0	23.0	22.6
Mar 26	22.8	22.9	22.8	22.9	22.9	22.9	22.9	23.0	22.9	22.8	22.6	22.2	22.4	22.9	22.9	22.6	22.7	23.0	22.7	22.2	22.5	22.6	22.7	22.6	22.2	23.0	22.7
Mar 27	22.6	22.6	22.7	22.6	22.6	22.7	22.7	22.8	22.7	22.5	22.3	22.2	22.0	21.9	22.0	22.0	22.1	22.3	22.4	22.6	22.8	22.8	22.8	22.9	21.9	22.9	22.5
Mar 28	22.9	22.8	22.7	22.7	22.7	22.7	22.9	22.9	22.8	22.6	22.6	22.4	22.0	21.7	21.7	21.8	21.8	22.2	22.3	22.4	22.7	22.8	22.9	23.0	21.7	23.0	22.5
Mar 29	23.1	23.1	23.2	23.2	23.2	23.1	23.2	23.2	23.1	22.9	22.3	22.2	21.7	21.8	21.8	21.9	22.1	22.0	22.3	22.6	22.9	23.0	23.0	23.0	21.7	23.2	22.7
Mar 30	23.0	23.0	23.0	23.0	23.0	23.1	23.0	23.1	23.0	22.9	22.7	22.3	22.1	22.4	22.4	22.9	23.0	22.9	22.9	22.2	22.6	22.8	22.8	22.8	22.1	23.1	22.8
Mar 31	22.8	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.8	22.7	22.3	22.5	22.6	23.0	23.0	23.0	23.1	23.0	22.8	22.4	22.4	22.4	22.3	22.4	22.3	23.1	22.7
Diurnal Maximum	23.7	23.7	23.7	23.8	23.7	23.8	23.8	23.7	23.8	23.7	23.4	23.3	23.2	23.1	23.1	23.2	23.1	23.2	23.4	23.5	23.6	23.6	23.7	23.7			
Diurnal Average	22.9	22.9	23.0	22.9	23.0	23.0	23.0	23.0	23.0	22.9	22.7	22.6	22.5	22.4	22.4	22.5	22.4	22.5	22.6	22.7	22.8	22.8	22.9	22.9			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance		
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)				

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

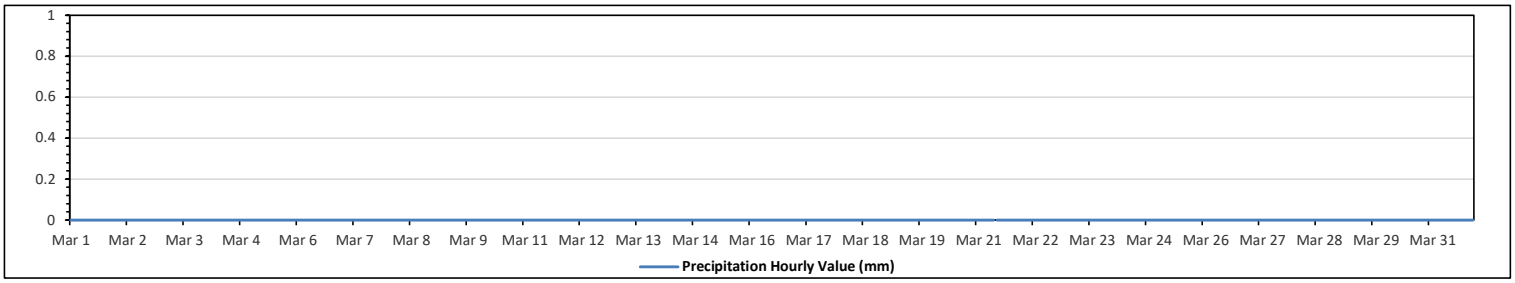
PRECIPITATION in mm

Maximum Hourly Value:	0.0	mm	on Mar 1 at hr 0	Hours in Service:	744	
Maximum Daily Value:	0.0	mm	on Mar 1	Hours of Data:	743	
Minimum Hourly Value:	0.0	mm	on Mar 1 at hr 0	Hours of Missing Data:	1	
Minimum Daily Value:	0.0	mm	on Mar 1	Hours of Calibration:	0	
Monthly Total:	0.0	mm		Operational Uptime:	99.9	

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Total
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 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
Mar 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 21	0	0	0	0	0	0	0	0	0	0	K	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 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
Mar 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
Mar 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
Mar 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 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
Mar 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Mar 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
Mar 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Diurnal Maximum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

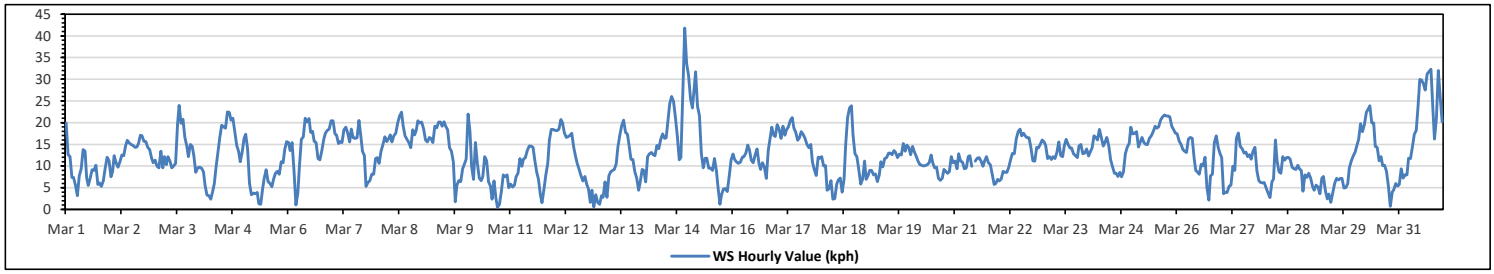
VECTOR WIND SPEED (VWS) in km/hr

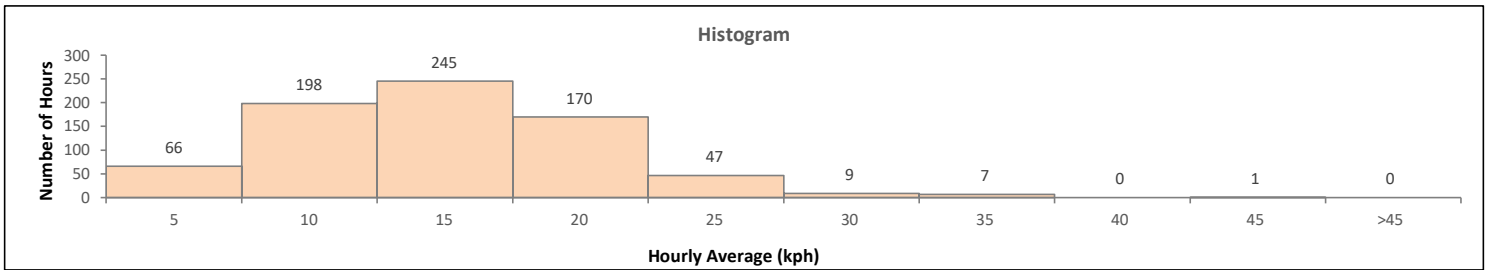
Maximum Hourly Value:	41.8	kph	on Mar 14 at hr 22	Hours in Service:	744	
Maximum Daily Value:	20.2	kph	on Mar 31	Hours of Data:	743	
Minimum Hourly Value:	0.4	kph	on Mar 10 at hr 17	Hours of Missing Data:	1	
Minimum Daily Value:	6.0	kph	on Mar 29	Hours of Calibration:	0	
Monthly Average:	3.8	kph		Operational Uptime:	99.9	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	19.9	12.6	12.2	7.4	7.4	5.6	3.1	7.7	9.3	13.8	13.4	7.3	5.5	7.1	9.1	9.0	10.2	5.7	6.1	5.3	6.5	9.5	12.0	11.2	3.1	19.9	9.0
Mar 2	7.5	8.7	12.4	10.7	9.7	11.0	12.5	12.4	14.7	15.9	15.3	15.0	14.7	14.3	14.4	15.2	17.1	16.9	15.7	15.6	14.3	13.8	11.8	10.7	7.5	17.1	13.3
Mar 3	11.3	9.9	9.6	13.4	9.6	12.2	10.3	12.1	11.2	9.6	10.0	10.6	19.5	24.0	19.8	20.8	16.6	14.6	12.2	14.9	14.5	12.4	8.5	9.6	8.5	24.0	13.2
Mar 4	9.7	9.5	8.7	5.6	3.3	3.2	2.3	4.2	6.0	10.1	13.6	16.5	19.4	19.0	18.7	22.5	22.3	20.6	21.0	17.9	14.7	13.3	11.0	13.2	2.3	22.5	12.8
Mar 5	16.4	17.3	13.9	6.0	3.4	3.7	3.6	3.9	1.3	1.2	4.8	7.2	9.1	6.4	6.0	5.2	6.9	8.3	8.8	8.1	11.0	10.8	13.8	15.6	1.2	17.3	8.0
Mar 6	15.4	13.5	15.4	8.9	1.0	3.7	9.9	16.1	16.7	21.0	20.1	20.9	17.7	18.0	15.7	15.4	11.7	11.4	13.5	16.1	17.5	18.2	18.5	20.4	1.0	21.0	14.9
Mar 7	20.4	17.4	17.1	15.2	15.6	15.4	18.3	18.9	17.5	15.5	18.5	16.5	16.3	16.5	20.5	16.8	13.4	12.4	5.3	6.2	6.6	8.1	8.1	11.7	5.3	20.5	14.5
Mar 8	11.9	10.6	13.4	14.9	16.7	15.6	16.3	17.2	15.5	16.9	17.5	19.9	21.5	22.4	19.3	16.9	16.1	15.4	14.2	18.3	17.2	18.2	20.4	19.9	10.6	22.4	16.9
Mar 9	20.1	18.6	16.0	15.5	16.6	16.4	15.4	19.1	18.8	20.1	20.1	19.2	20.2	19.1	18.3	14.2	13.4	10.9	1.8	5.6	6.6	6.4	9.4	10.5	1.8	20.2	14.7
Mar 10	11.6	22.0	17.9	9.9	6.9	15.4	10.6	7.2	6.6	7.6	12.1	11.2	6.3	5.4	2.3	6.5	2.6	**0.4**	1.2	4.1	7.9	7.5	8.0	5.0	**0.4**	22.0	8.2
Mar 11	5.8	5.1	5.6	7.5	8.3	11.7	9.9	11.6	11.9	13.5	14.6	14.6	14.3	11.6	8.8	6.9	3.3	1.5	4.6	7.9	10.6	15.9	18.4	18.4	1.5	18.4	10.1
Mar 12	18.2	18.1	18.5	20.7	20.0	17.6	16.6	16.7	17.0	17.5	14.4	12.1	10.6	9.2	7.7	6.5	7.6	5.7	4.8	1.6	4.4	0.6	3.4	1.6	0.6	20.7	11.3
Mar 13	1.2	3.1	2.8	6.3	2.8	7.7	8.7	9.0	9.2	10.5	14.3	17.0	19.3	20.6	17.7	17.3	14.8	11.6	11.5	8.7	7.2	4.4	6.3	9.2	1.2	20.6	10.1
Mar 14	9.0	6.3	12.1	12.8	13.1	12.6	12.4	14.7	14.0	16.1	17.4	16.3	16.5	20.7	24.3	26.0	24.9	21.1	16.8	11.4	11.9	26.7	**41.8**	33.6	6.3	**41.8**	18.0
Mar 15	30.9	25.6	23.4	27.4	31.7	23.7	21.6	12.8	9.6	11.8	11.8	9.5	9.5	9.0	11.7	8.9	5.1	1.2	3.4	4.7	4.8	4.1	7.6	11.4	1.2	31.7	13.4
Mar 16	12.7	11.5	10.9	10.6	10.9	12.0	12.1	13.0	14.8	13.8	11.3	10.8	12.5	13.9	10.6	9.2	10.8	9.7	7.1	13.5	16.0	18.9	17.1	16.8	7.1	18.9	12.5
Mar 17	19.5	18.5	16.4	19.1	17.1	18.3	19.0	20.5	21.1	18.8	17.8	15.9	16.6	17.9	17.3	16.4	15.0	14.2	14.9	11.0	9.1	7.8	12.0	11.8	7.8	21.1	16.1
Mar 18	12.2	10.0	10.1	4.4	4.8	6.6	2.3	2.5	5.8	6.8	7.2	4.0	7.0	15.0	21.1	23.4	23.9	17.1	12.8	12.2	9.1	5.8	7.0	11.1	2.3	23.9	10.1
Mar 19	6.9	7.8	9.0	9.0	7.9	8.2	6.4	8.0	11.0	9.8	11.7	11.9	13.0	13.0	12.6	13.5	13.1	11.9	12.7	12.5	15.2	13.4	14.8	14.3	6.4	15.2	11.2
Mar 20	12.6	14.5	13.2	12.2	11.1	10.3	10.2	10.0	10.1	10.3	10.7	12.5	10.7	9.6	9.7	7.1	6.7	7.2	9.2	8.8	8.3	8.7	12.2	10.7	6.7	14.5	10.3
Mar 21	11.1	9.4	12.8	11.1	10.9	9.3	9.6	12.1	12.4	9.9	K	11.1	11.8	11.9	11.1	9.9	11.1	12.2	10.8	10.3	8.1	5.7	5.9	6.9	5.7	12.8	10.2
Mar 22	6.5	7.0	8.8	8.5	8.5	9.8	11.3	12.9	12.8	16.2	17.9	18.5	16.9	17.5	16.9	16.5	16.5	14.1	11.2	11.1	14.3	14.1	14.9	16.0	6.5	18.5	13.3
Mar 23	15.5	14.7	11.7	12.2	11.5	12.1	11.7	13.1	15.5	12.4	12.2	14.6	16.1	14.9	14.1	14.1	12.8	12.4	11.9	14.6	14.9	12.8	13.0	13.9	11.5	16.1	13.4
Mar 24	12.3	13.2	14.1	16.9	16.6	16.0	18.4	16.5	14.6	15.4	16.6	14.7	11.4	9.8	8.3	8.3	7.6	8.5	7.5	8.6	12.8	14.4	15.2	18.9	7.5	18.9	13.2
Mar 25	17.4	17.5	17.9	14.4	15.6	16.6	15.4	14.9	14.9	16.3	16.9	17.9	19.1	18.7	19.0	20.6	21.3	21.7	21.5	21.5	21.3	19.1	18.5	17.6	14.4	21.7	18.2
Mar 26	17.4	15.8	15.0	13.8	13.4	13.1	16.2	16.6	16.3	11.7	9.0	8.6	8.1	10.4	10.0	12.0	4.9	2.1	7.7	8.1	15.3	16.9	14.3	12.8	2.1	17.4	12.1
Mar 27	11.9	3.6	4.0	3.9	5.3	5.6	9.9	9.0	16.4	17.6	14.5	14.0	13.0	13.2	12.1	12.6	11.6	13.4	14.3	8.9	6.6	6.2	6.1	6.2	3.6	17.6	10.0
Mar 28	4.9	3.7	2.7	6.3	7.0	16.0	11.2	8.7	8.3	12.1	11.3	11.9	12.0	11.6	9.7	9.3	9.2	10.2	9.3	8.9	4.2	7.9	7.4	8.3	2.7	16.0	8.8
Mar 29	7.2	5.3	4.4	5.6	5.1	3.6	7.2	7.6	4.3	2.4	3.5	1.6	3.7	6.0	7.1	6.8	7.1	7.1	4.9	5.0	6.0	9.6	11.1	12.3	1.6	12.3	**6.0**
Mar 30	13.2	14.6	16.1	19.7	17.9	19.5	22.3	23.0	23.9	20.0	19.9	14.5	14.3	11.2	12.2	10.1	10.2	8.8	5.4	0.7	4.0	4.6	6.0	5.4	0.7	23.9	13.2
Mar 31	5.7	9.3	7.2	8.0	7.9	11.8	11.7	14.4	17.3	18.2	24.1	29.9	29.8	28.8	27.5	31.2	31.8	32.3	23.1	16.2	21.0	32.0	25.7	20.2	5.7	32.3	**20.2**
Diurnal Maximum	30.9	25.6	23.4	27.4	31.7	23.7	22.3	23.0	23.9	21.0	24.1	29.9	29.8	28.8	27.5	31.2	31.8	32.3	23.1	21.5	21.3	32.0	41.8	33.6			
Diurnal Average	12.8	12.1	12.0	11.5	10.9	11.8	11.8	12.5	12.9	13.3	14.1	13.7	14.1	14.4	14.0	13.8	12.9	11.6	10.5	10.3	11.0	11.9	12.9	13.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



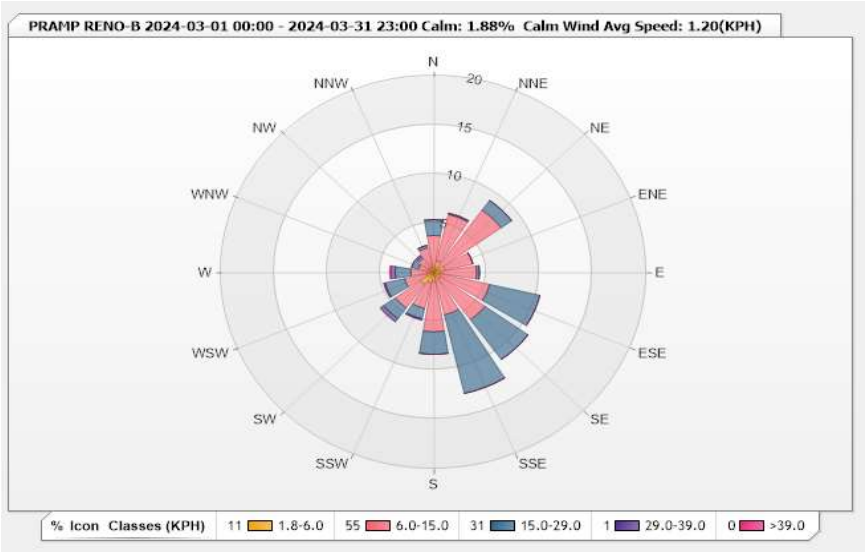


Station: PRAMP RENO-B Monitor: WDS [KPH] Monthly: 03-2024

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 1.88% Valid Data: 99.87%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.13	3.63	1.62	0	0	5.38
NNE	1.21	4.85	0.13	0	0	6.19
NE	0.4	7.4	1.21	0	0	9.01
ENE	1.08	2.69	0	0	0	3.77
E	0.67	3.36	0.27	0	0	4.3
ESE	0.54	4.85	4.85	0	0	10.24
SE	0.81	5.11	4.98	0	0	10.9
SSE	0.13	4.31	8.21	0	0	12.65
S	0.94	5.11	2.29	0	0	8.34
SSW	1.08	2.69	1.08	0.13	0	4.98
SW	1.48	2.96	1.35	0.4	0	6.19
WSW	0.67	2.15	1.88	0.13	0	4.83
W	0.27	1.88	1.48	0.4	0.13	4.16
WNW	0.4	1.08	0.67	0	0	2.15
NW	0.54	1.21	0.27	0.13	0	2.15
NNW	0.54	2.02	0.27	0	0	2.83
Summary	10.89	55.3	30.56	1.19	0.13	98.07



Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

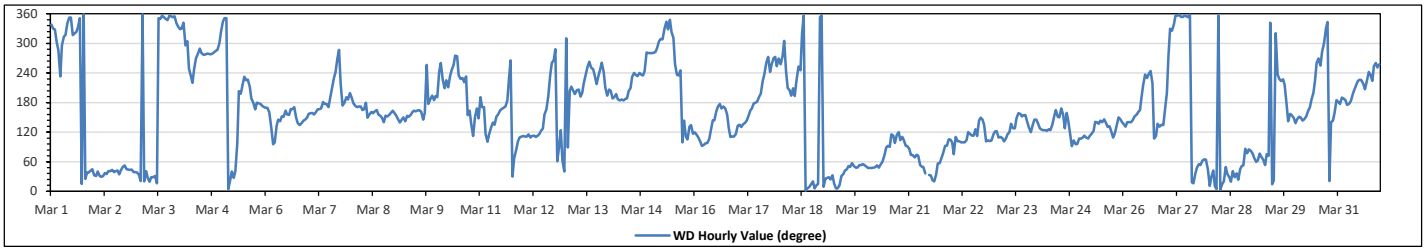
WIND DIRECTION (VWD) in sector

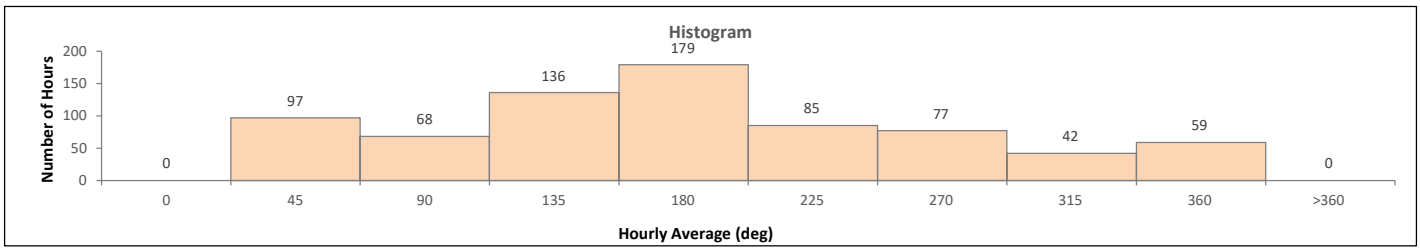
Monthly Average:	145 (SE)	degree	
Hours in Service:	744		
Hours of Data:	743		
Hours of Missing Data:	1		
Hours of Calibration:	0		
Operational Uptime:	99.9		

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Mar 1	NNW	NNW	NNW	WNW	WNW	SW	WNW	NW	NW	NNW	N	N	NW	NW	NW	NNW	N	NNE	N	NNE	NE	NE	NE	NE	344	NNW
Mar 2	NNE	NNE	NE	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	40	NE
Mar 3	NE	NNE	NNE	N	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N	N	N	NNW	N	N	N	N	NNW	NNW	5	N
Mar 4	NNW	NNW	NNW	WNW	WNW	WSW	SW	SW	WSW	W	W	WNW	W	W	W	W	W	W	W	W	WNW	WNW	WNW	NW	286	WNW
Mar 5	NNW	N	N	N	NNE	NE	NNE	NE	E	SSW	SSW	SW	SW	SW	SW	SSW	S	S	SSE	S	S	S	S	S	201	SSW
Mar 6	SSE	SSE	SSE	SE	E	E	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SE	SE	SE	SE	SE	SSE	151	SSE
Mar 7	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSW	SW	WSW	W	WNW	SW	S	S	S	S	SSW	185	S
Mar 8	S	S	S	S	S	S	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	162	SSE
Mar 9	SSE	SSE	SE	SE	SE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	WSW	S	S	SSW	S	S	158	SSE
Mar 10	S	WSW	WSW	SW	SSW	SW	SSW	SW	WSW	WSW	W	W	SW	SW	SW	SW	SW	SSE	SSE	SE	ESE	SSE	SSE	SE	226	SW
Mar 11	S	S	S	ESE	E	ESE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	SW	W	NNE	ENE	E	E	ESE	ESE	135	SE
Mar 12	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	SSE	S	SW	WSW	W	WNW	ENE	E	ESE	ENE	NE	121	ESE
Mar 13	NW	E	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SW	SW	WSW	W	WSW	WSW	SW	SW	SW	WSW	W	WSW	SSW	SSW	230	SW
Mar 14	SSW	SSW	S	S	SSW	S	S	S	S	S	S	SSW	SSW	SW	WSW	SW	SW	WSW	SW	SW	WSW	W	W	W	229	SW
Mar 15	W	W	W	WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	NW	NW	WSW	SW	SW	WSW	E	SE	ESE	ESE	SE	SE	ESE	295	WNW
Mar 16	ESE	ESE	ESE	E	E	E	E	E	ESE	ESE	SE	SE	SSE	S	S	SSE	S	SSE	SSE	SE	ESE	ESE	ESE	ESE	126	SE
Mar 17	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	S	S	S	S	SSW	SW	SW	WSW	W	WSW	WSW	W	W	WSW	W	187	S
Mar 18	WSW	W	WNW	WSW	SSW	SSW	SSW	SSW	S	SW	WSW	WSW	NW	N	N	N	N	NNE	NNE	N	NNE	NNE	N	N	341	NNW
Mar 19	N	NNE	NNE	NNE	NNE	NNE	NNE	N	N	NNE	NNE	NE	NE	NE	NE	NE	ENE	NE	NE	NE	NE	NE	NE	NE	39	NE
Mar 20	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	E	E	E	ESE	ESE	E	ESE	ESE	ESE	ESE	ESE	E	E	76	ENE
Mar 21	E	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	K	NNE	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE	E	E	ESE	ESE	59	ENE
Mar 22	E	ENE	ESE	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	ESE	SE	SSE	SE	SE	E	ESE	E	ESE	ESE	114	ESE
Mar 23	ESE	ESE	ESE	ESE	ESE	E	ESE	ESE	ESE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	ESE	SE	SE	SE	132	SE
Mar 24	SE	SE	SE	ESE	ESE	ESE	SE	ESE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	ESE	E	ESE	E	E	ESE	129	SE
Mar 25	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	SSE	SE	SE	128	SE
Mar 26	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	S	SW	SW	SW	WSW	WSW	SW	ESE	ESE	SE	SE	SE	SE	SSE	158	SSE
Mar 27	SSW	W	NNW	NW	NNW	N	N	N	N	N	N	N	N	N	NNE	NNE	NE	NE	NE	NE	ENE	ENE	ENE	NE	13	NNE
Mar 28	NNE	NNE	NE	N	N	N	N	NNE	NNE	NE	NE	NNE	NNE	NE	NNE	NE	NNE	NE	NE	NE	E	ENE	E	E	33	NNE
Mar 29	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	ENE	ENE	NNW	NNE	NNE	NW	SW	SW	SW	SW	SW	S	SE	SSE	SSE	SSE	125	SE
Mar 30	SE	SE	SSE	SSE	SE	SE	SSE	SSE	S	S	SSW	SW	WSW	W	WSW	W	WNW	NNW	NNW	NNE	SE	SE	SSE	S	179	S
Mar 31	S	S	S	S	S	S	S	S	SSW	SSW	SW	SW	SW	SW	SW	SSW	SW	WSW	SW	SW	WSW	WSW	WSW	WSW	222	SW

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

Reno-B Station - March 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	41.8	kph	on Mar 14 at hr 22	Hours in Service:	744
Maximum Daily Value:	20.2	kph	on Mar 31	Hours of Data:	743
Minimum Hourly Value:	0.4	kph	on Mar 10 at hr 17	Hours of Missing Data:	1
Minimum Daily Value:	6.0	kph	on Mar 29	Hours of Calibration:	0
Monthly Average:	3.8	kph		Operational Uptime:	99.9

WIND DIRECTION

Monthly Average: 145 degree (SE)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	19.9	12.6	12.2	7.4	7.4	5.6	3.1	7.7	9.3	13.8	13.4	7.3	5.5	7.1	9.1	9.0	10.2	5.7	6.1	5.3	6.5	9.5	12.0	11.2	3.1	19.9	9.0
	NNW	NNW	NNW	WNW	WNW	SW	WNW	NW	NW	NNW	N	N	NW	NW	NW	NNW	N	NNE	N	NNE	NE	NE	NE	NE			344(NNW)
Mar 2	7.5	8.7	12.4	10.7	9.7	11.0	12.5	12.4	14.7	15.9	15.3	15.0	14.7	14.3	14.4	15.2	17.1	16.9	15.7	15.6	14.3	13.8	11.8	10.7	7.5	17.1	13.3
	NNE	NNE	NE	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE			40(NE)
Mar 3	11.3	9.9	9.6	13.4	9.6	12.2	10.3	12.1	11.2	9.6	10.0	10.6	19.5	24.0	19.8	20.8	16.6	14.6	12.2	14.9	14.5	12.4	8.5	9.6	8.5	24.0	13.2
	NE	NNE	NNE	N	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N	N	N	NNW	N	N	N	N	NNW	NNW			5(N)
Mar 4	9.7	9.5	8.7	5.6	3.3	3.2	2.3	4.2	6.0	10.1	13.6	16.5	19.4	19.0	18.7	22.5	22.3	20.6	21.0	17.9	14.7	13.3	11.0	13.2	2.3	22.5	12.8
	NNW	NNW	NNW	WNW	WNW	WSW	SW	SW	WSW	W	W	WNW	W	W	W	W	W	W	W	W	WNW	WNW	WNW	NW			286(WNW)
Mar 5	16.4	17.3	13.9	6.0	3.4	3.7	3.6	3.9	1.3	1.2	4.8	7.2	9.1	6.4	6.0	5.2	6.9	8.3	8.8	8.1	11.0	10.8	13.8	15.6	1.2	17.3	8.0
	NNW	N	N	N	NNE	NE	NNE	NE	E	SSW	SSW	SW	SW	SW	SW	SSW	S	S	SSE	S	S	S	S	S			201(SSW)
Mar 6	15.4	13.5	15.4	8.9	1.0	3.7	9.9	16.1	16.7	21.0	20.1	20.9	17.7	18.0	15.7	15.4	11.7	11.4	13.5	16.1	17.5	18.2	18.5	20.4	1.0	21.0	14.9
	SSE	SSE	SSE	SE	E	E	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SE	SE	SE	SE	SE	SSE			151(SSE)
Mar 7	20.4	17.4	17.1	15.2	15.6	15.4	18.3	18.9	17.5	15.5	18.5	16.5	16.3	16.5	20.5	16.8	13.4	12.4	5.3	6.2	6.6	8.1	8.1	11.7	5.3	20.5	14.5
	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSW	SW	WSW	W	WNW	SW	S	S	S	S	SSW			185(S)
Mar 8	11.9	10.6	13.4	14.9	16.7	15.6	16.3	17.2	15.5	16.9	17.5	19.9	21.5	22.4	19.3	16.9	16.1	15.4	14.2	18.3	17.2	18.2	20.4	19.9	10.6	22.4	16.9
	S	S	S	S	S	S	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE			162(SSE)
Mar 9	20.1	18.6	16.0	15.5	16.6	16.4	15.4	19.1	18.8	20.1	20.1	19.2	20.2	19.1	18.3	14.2	13.4	10.9	1.8	5.6	6.6	6.4	9.4	10.5	1.8	20.2	14.7
	SSE	SSE	SE	SE	SE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	WSW	S	S	SSW	S	S			158(SSE)
Mar 10	11.6	22.0	17.9	9.9	6.9	15.4	10.6	7.2	6.6	7.6	12.1	11.2	6.3	5.4	2.3	6.5	2.6	**0.4**	1.2	4.1	7.9	7.5	8.0	5.0	**0.4**	22.0	8.2
	S	WSW	WSW	SW	SSW	SW	SSW	SW	WSW	WSW	W	W	SW	SW	SW	SW	SW	SSE	SSE	SE	ESE	SSE	SSE	SE			226(SW)
Mar 11	5.8	5.1	5.6	7.5	8.3	11.7	9.9	11.6	11.9	13.5	14.6	14.6	14.3	11.6	8.8	6.9	3.3	1.5	4.6	7.9	10.6	15.9	18.4	18.4	1.5	18.4	10.1
	S	S	S	ESE	E	ESE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	SW	W	NNE	ENE	E	E	ESE	ESE			135(SE)
Mar 12	18.2	18.1	18.5	20.7	20.0	17.6	16.6	16.7	17.0	17.5	14.4	12.1	10.6	9.2	7.7	6.5	7.6	5.7	4.8	1.6	4.4	0.6	3.4	1.6	0.6	20.7	11.3
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	SSE	S	SW	WSW	W	WNW	ENE	E	ESE	ENE	NE			121(ESE)
Mar 13	1.2	3.1	2.8	6.3	2.8	7.7	8.7	9.0	9.2	10.5	14.3	17.0	19.3	20.6	17.7	17.3	14.8	11.6	11.5	8.7	7.2	4.4	6.3	9.2	1.2	20.6	10.1
	NW	E	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SW	SW	WSW	W	WSW	WSW	SW	SW	SW	WSW	W	WSW	SSW	SSW			230(SW)
Mar 14	9.0	6.3	12.1	12.8	13.1	12.6	12.4	14.7	14.0	16.1	17.4	16.3	16.5	20.7	24.3	26.0	24.9	21.1	16.8	11.4	11.9	26.7	**41.8**	33.6	6.3	**41.8**	18.0
	SSW	SSW	S	S	SSW	S	S	S	S	S	S	SSW	SSW	SW	WSW	SW	SW	WSW	SW	SW	WSW	W	W	W			229(SW)
Mar 15	30.9	25.6	23.4	27.4	31.7	23.7	21.6	12.8	9.6	11.8	11.8	9.5	9.5	9.0	11.7	8.9	5.1	1.2	3.4	4.7	4.8	4.1	7.6	11.4	1.2	31.7	13.4
	W	W	W	WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	NW	NW	WSW	SW	SW	WSW	E	SE	ESE	ESE	SE	SE	ESE			295(WNW)
Mar 16	12.7	11.5	10.9	10.6	10.9	12.0	12.1	13.0	14.8	13.8	11.3	10.8	12.5	13.9	10.6	9.2	10.8	9.7	7.1	13.5	16.0	18.9	17.1	16.8	7.1	18.9	12.5
	ESE	ESE	ESE	E	E	E	E	E	ESE	ESE	SE	SE	SSE	S	S	SSE	S	SSE	SSE	SE	ESE	ESE	ESE	ESE			126(SE)
Mar 17	19.5	18.5	16.4	19.1	17.1	18.3	19.0	20.5	21.1	18.8	17.8	15.9	16.6	17.9	17.3	16.4	15.0	14.2	14.9	11.0	9.1	7.8	12.0	11.8	7.8	21.1	16.1
	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	S	S	S	S	SSW	SW	SW	WSW	W	WSW	WSW	W	W	WSW	W			187(S)
Mar 18	12.2	10.0	10.1	4.4	4.8	6.6	2.3	2.5	5.8	6.8	7.2	4.0	7.0	15.0	21.1	23.4	23.9	17.1	12.8	12.2	9.1	5.8	7.0	11.1	2.3	23.9	10.1
	WSW	W	WNW	WSW	SSW	SSW	SSW	SSW	S	SW	WSW	WSW	NW	N	N	N	N	NNE	NNE	N	NNE	NNE	N	N			341(NNW)
Mar 19	6.9	7.8	9.0	9.0	7.9	8.2	6.4	8.0	11.0	9.8	11.7	11.9	13.0	13.0	12.6	13.5	13.1	11.9	12.7	12.5	15.2	13.4	14.8	14.3	6.4	15.2	11.2
	N	NNE	NNE	NNE	NNE	NNE	NNE	N	N	NNE	NNE	NE	NE	NE	NE	NE	ENE	NE	NE	NE	NE	NE	NE	NE			39(NE)
Mar 20	12.6	14.5	13.2	12.2	11.1	10.3	10.2	10.0	10.1	10.3	10.7	12.5	10.7	9.6	9.7	7.1	6.7	7.2	9.2	8.8	8.3	8.7	12.2	10.7	6.7	14.5	10.3
	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	E	E	E	ESE	ESE	E	ESE	ESE	ESE	ESE	ESE	E	E			76(ENE)
Mar 21	11.1	9.4	12.8	11.1	10.9	9.3	9.6	12.1	12.4	9.9	**K**	11.1	11.8	11.9	11.1	9.9	11.1	12.2	10.8	10.3	8.1	5.7	5.9	6.9	5.7	12.8	10.2
	E	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	**K**	NNE	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE	E	E	ESE	ESE			59(ENE)
Mar 22	6.5	7.0	8.8	8.5	8.5	9.8	11.3	12.9	12.8	16.2	17.9	18.5	16.9	17.5	16.9	16.5	16.5	14.1	11.2	11.1	14.3	14.1	14.9	16.0	6.5	18.5	13.3
	E	ENE	ESE	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	ESE	SE	SSE	SE	SE	E	ESE	E	ESE	ESE			114(ESE)
Mar 23	15.5	14.7	11.7	12.2	11.5	12.1	11.7	13.1	15.5	12.4	12.2	14.6	16.1	14.9	14.1	14.1	12.8	12.4	11.9	14.6	14.9	12.8	13.0	13.9	11.5	16.1	13.4
	ESE	ESE	ESE	ESE	ESE	E	ESE	ESE	ESE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	ESE	SE	SE	SE			132(SE)
Mar 24	12.3	13.2	14.1	16.9	16.6	16.0	18.4	16.5	14.6	15.4	16.6	14.7	11.4	9.8	8.3	8.3	7.6	8.5	7.5	8.6	12.8	14.4	15.2	18.9	7.5	18.9	13.2
	SE	SE	SE	ESE	ESE	ESE	SE	ESE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SE	ESE	E	ESE	E	E	ESE			129(SE)
Mar 25	17.4	17.5	17.9	14.4	15.6	16.6	15.4	14.9	14.9	16.3	16.9	17.9	19.1	18.7	19.0	20.6	21.3	21.7	21.5	21.5	21.3	19.1	18.5	17.6	14.4	21.7	18.2
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE	SE	SSE	SE	SE			128(SE)
Mar 26	17.4	15.8	15.0	13.8	13.4	13.1	16.2	16.6	16.3	11.7	9.0	8.6	8.1	10.4	10.0	12.0	4.9	2.1	7.7	8.1	15.3	16.9	14.3	12.8	2.1	17.4	12.1
	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	S	SW	SW	SW	WSW	WSW	SW	ESE	ESE	SE	SE	SE	SE	SSE			158(SSE)
Mar 27	11.9	3.6	4.0	3.9	5.3	5.6	9.9	9.0	16.4	17.6	14.5	14.0	13.0	13.2	12.1	12.6	11.6	13.4	14.3	8.9	6.6	6.2	6.1	6.2	3.6	17.6	10.0
	SSW	W	NNW	NW	NNW	N	N	N	N	N	N	N	N	N	NNE	NNE	NE	NE	NE	NE	ENE	ENE	ENE	NE			13(NNE)
Mar 28	4.9	3.7	2.7	6.3	7.0	16.0	11.2	8.7	8.3	12.1	11.3	11.9	12.0	11.6	9.7	9.3	9.2	10.2	9.3	8.9	4.2	7.9	7.4	8.3	2.7	16.0	8.8
	NNE	NNE	NE	N	N	N	N	NNE	NNE	NE	NE	NNE	NNE	NE	NNE	NE	NNE	NE	NE	NE	E	ENE	E	E			33(NNE)
Mar 29	7.2	5.3	4.4	5.6	5.1	3.6	7.2	7.6	4.3	2.4	3.5	1.6	3.7	6.0	7.1	6.8	7.1	7.1	4.9	5.0	6.0	9.6	11.1	12.3	1.6	12.3	**6.0**
	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	ENE	ENE	NNW	NNE	NNE	NW	SW	SW	SW	SW	SW	S	SE	SSE	SSE	SSE			125(SE)
Mar 30	13.2	14.6	16.1	19.7	17.9	19.5	22.3	23.0	23.9	20.0	19.9	14.5	14.3	11.2	12.2	10.1	10.2	8.8	5.4	0.7	4.0	4.6	6.0	5.4	0.7	23.9	13.2
	SE	SE	SSE	SSE	SE	SE	SSE	SSE	S	S	SSW	SW	WSW	W	WSW	W	WNW	NNW	NNW	NNE	SE	SE	SSE	S			179(S)
Mar 31	5.7	9.3	7.2	8.0	7.9	11.8	11.7	14.4	17.3	18.2	24.1	29.9	29.8	28.8	27.5	31.2	31.8	32.3	23.1	16.2	21.0	32.0	25.7	20.2	5.7	32.3	**20.2**
	S	S	S	S	S	S	S	S	SSW	SSW	SW	SW	SW	SW	SW	SSW	SW	WSW	SW	SW	WSW	WSW	WSW	WSW			222(SW)

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

PRC STATION

Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

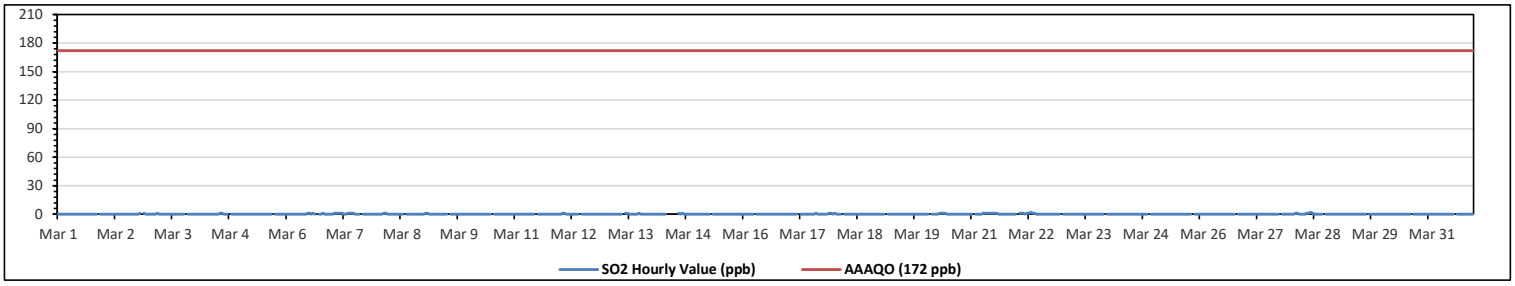
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

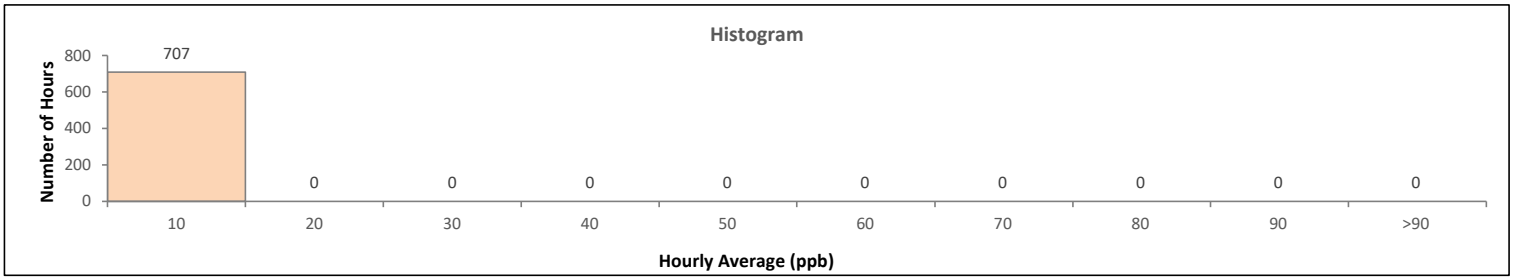
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	2	ppb	on Mar 22 at hr 7	Hours in Service:	744	
Maximum Daily Value:	0.4	ppb	on Mar 22	Hours of Data:	707	
Minimum Hourly Value:	0	ppb	on Mar 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Mar 1	Hours of Calibration:	37	
Monthly Average:	0.1	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Mar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	S	1	0	0	0	1	0.1
Mar 3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0.0
Mar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	S	0	0	0	0	0	0	1	0.1
Mar 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Mar 6	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	S	0	0	1	0	0	0	0	0	1	0.2
Mar 7	0	1	1	1	1	1	0	0	1	1	1	1	0	0	0	S	0	0	0	0	0	0	0	0	0	1	0.4
Mar 8	0	0	0	1	1	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 9	0	1	1	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 11	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 12	0	1	1	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 13	0	0	0	0	0	0	0	0	0	S	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0.1
Mar 14	0	0	0	0	0	0	0	0	S	C	C	C	C	C	1	0	1	0	0	0	0	0	0	0	0	1	0.1
Mar 15	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 16	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 17	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0.1
Mar 18	1	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Mar 19	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 20	0	0	S	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
Mar 21	0	S	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0.3
Mar 22	S	1	1	1	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	2	0.4
Mar 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Mar 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Mar 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Mar 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Mar 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Mar 28	0	0	1	1	0	0	0	0	1	1	2	1	0	0	0	0	0	S	0	0	0	0	0	0	0	2	0.3
Mar 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Mar 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Mar 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Diurnal Maximum	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	0	1	1	0	1	0	1	1	0			
Diurnal Average	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



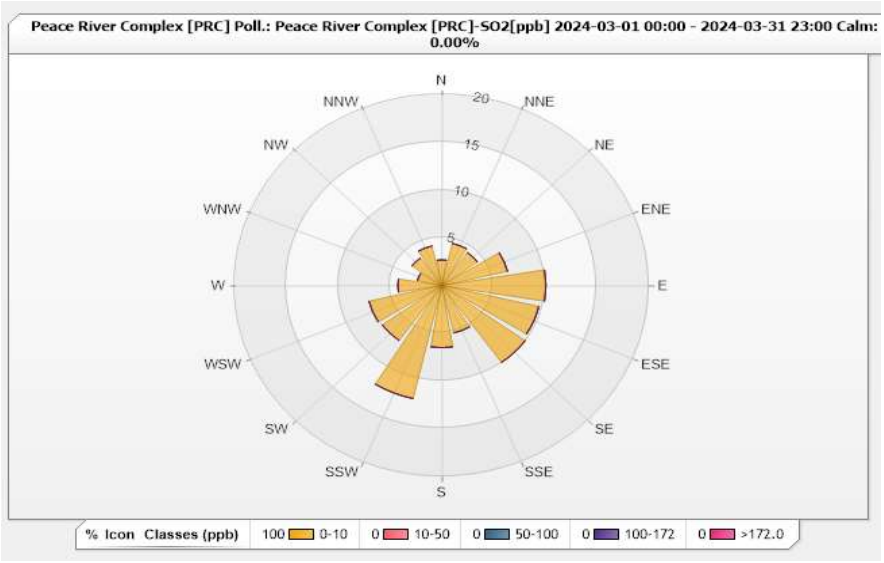


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-SO2[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	2.69	0	0	0	0	2.69
NNE	4.53	0	0	0	0	4.53
NE	4.24	0	0	0	0	4.24
ENE	6.51	0	0	0	0	6.51
E	10.04	0	0	0	0	10.04
ESE	9.62	0	0	0	0	9.62
SE	9.9	0	0	0	0	9.9
SSE	5.09	0	0	0	0	5.09
S	6.51	0	0	0	0	6.51
SSW	12.16	0	0	0	0	12.16
SW	7.07	0	0	0	0	7.07
WSW	7.21	0	0	0	0	7.21
W	4.24	0	0	0	0	4.24
WNW	2.4	0	0	0	0	2.4
NW	3.54	0	0	0	0	3.54
NNW	4.24	0	0	0	0	4.24
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

HYDROGEN SULPHIDE (H_2S) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 10 ppb, 24-Hour 3 ppb

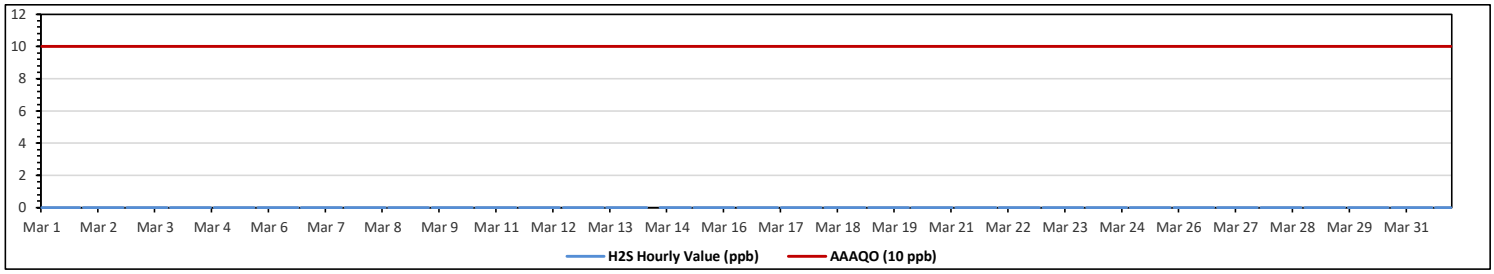
Number of 1-Hour Exceedances:	0		Number of 24-Hour Exceedances:	0		
Maximum Hourly Value:	0	ppb	on Mar 1 at hr 0	Hours in Service:	744	
Maximum Daily Value:	0.0	ppb	on Mar 1	Hours of Data:	707	
Minimum Hourly Value:	0	ppb	on Mar 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Mar 1	Hours of Calibration:	37	
Monthly Average:	0.0	ppb		Operational Uptime:	100.0	

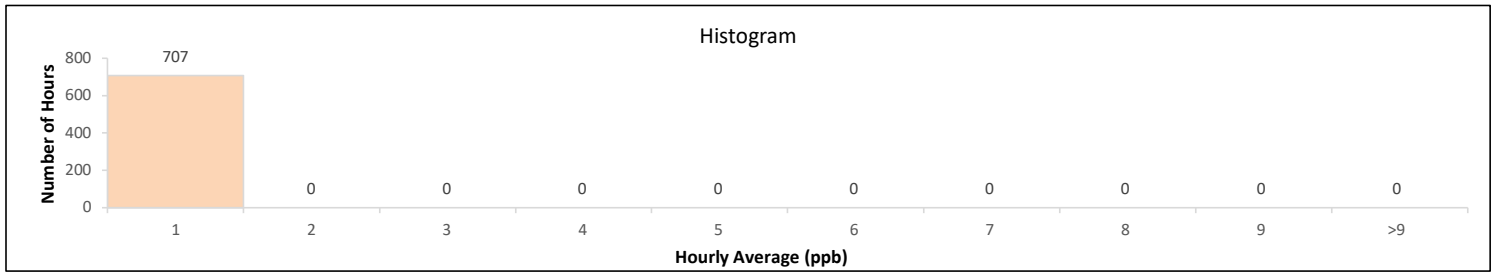
Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Mar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Mar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Mar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Mar 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Mar 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Mar 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Mar 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 9	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 11	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 12	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 13	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 14	0	0	0	0	0	0	0	0	S	C	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 15	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 16	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 17	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 18	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 19	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 20	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 21	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 22	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
Mar 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Mar 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Mar 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Mar 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Mar 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Mar 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Mar 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Mar 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Mar 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Diurnal Maximum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



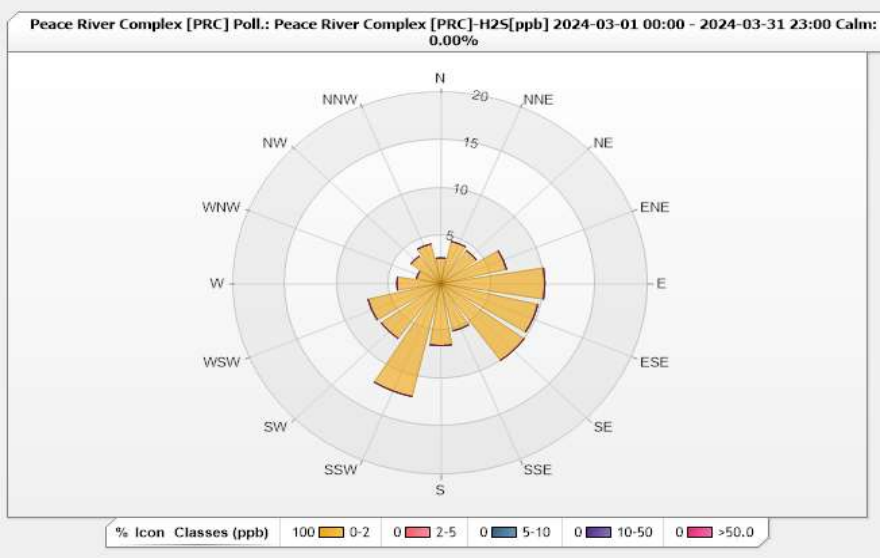


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-H2S[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	2.69	0	0	0	0	2.69
NNE	4.53	0	0	0	0	4.53
NE	4.24	0	0	0	0	4.24
ENE	6.51	0	0	0	0	6.51
E	10.04	0	0	0	0	10.04
ESE	9.62	0	0	0	0	9.62
SE	9.9	0	0	0	0	9.9
SSE	5.09	0	0	0	0	5.09
S	6.51	0	0	0	0	6.51
SSW	12.16	0	0	0	0	12.16
SW	7.07	0	0	0	0	7.07
WSW	7.21	0	0	0	0	7.21
W	4.24	0	0	0	0	4.24
WNW	2.4	0	0	0	0	2.4
NW	3.54	0	0	0	0	3.54
NNW	4.24	0	0	0	0	4.24
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

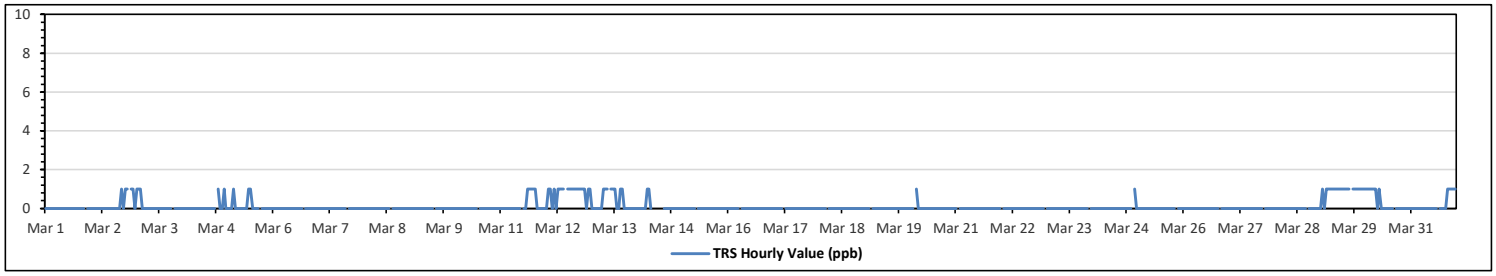
TOTAL REDUCED SULPHUR (TRS) in ppb

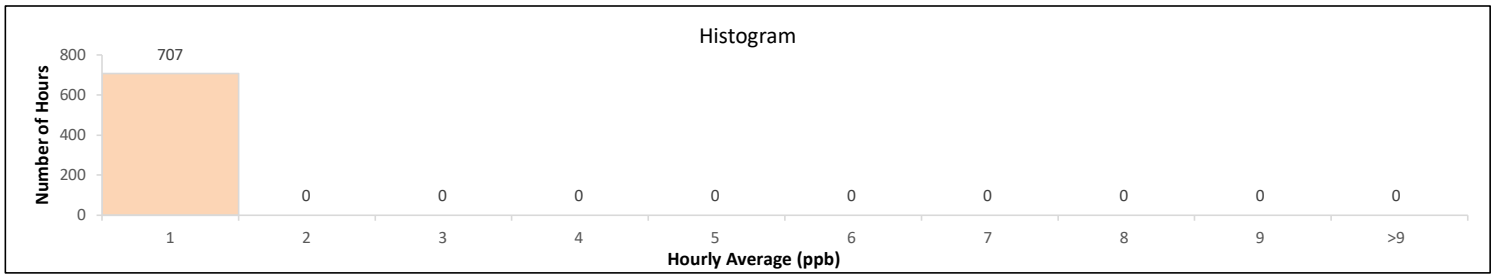
Maximum Hourly Value:	1	ppb	on Mar 2 at hr 16	Hours in Service:	744
Maximum Daily Value:	0.9	ppb	on Mar 29	Hours of Data:	707
Minimum Hourly Value:	0	ppb	on Mar 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.0	ppb	on Mar 1	Hours of Calibration:	37
Monthly Average:	0.1	ppb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Mar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	S	1	1	0	0	1	0.2
Mar 3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0.1
Mar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	1	0	0	1	0.1
Mar 5	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	S	0	0	0	0	0	0	0	1	0.1
Mar 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Mar 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Mar 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 9	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 11	0	0	0	0	0	0	0	0	0	0	0	S	0	0	1	1	1	1	1	0	0	0	0	0	0	1	0.2
Mar 12	0	1	1	0	1	0	1	1	1	1	S	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0.8
Mar 13	0	0	0	0	0	0	1	1	1	S	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	1	0.3
Mar 14	0	0	0	0	0	1	1	0	S	C	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 15	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 16	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 17	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 18	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 19	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 20	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Mar 21	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 22	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
Mar 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Mar 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	1	0.0
Mar 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Mar 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Mar 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Mar 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Mar 29	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	S	1	1	1	1	1	1	1	0	1	0.9
Mar 30	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	1	0.3
Mar 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	1	1	1	1	0	1	0.2
Diurnal Maximum	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Diurnal Average	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



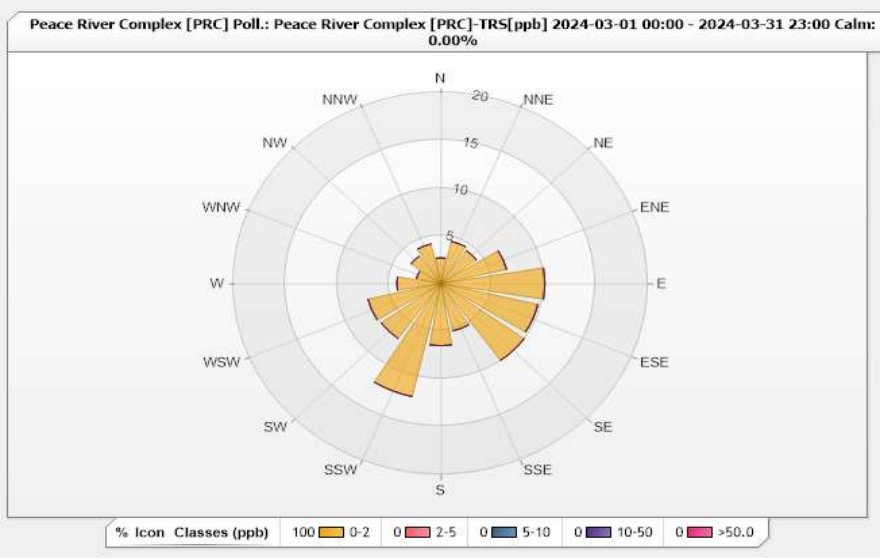


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-TRS[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	2.69	0	0	0	0	2.69
NNE	4.53	0	0	0	0	4.53
NE	4.24	0	0	0	0	4.24
ENE	6.51	0	0	0	0	6.51
E	10.04	0	0	0	0	10.04
ESE	9.62	0	0	0	0	9.62
SE	9.9	0	0	0	0	9.9
SSE	5.09	0	0	0	0	5.09
S	6.51	0	0	0	0	6.51
SSW	12.16	0	0	0	0	12.16
SW	7.07	0	0	0	0	7.07
WSW	7.21	0	0	0	0	7.21
W	4.24	0	0	0	0	4.24
WNW	2.4	0	0	0	0	2.4
NW	3.54	0	0	0	0	3.54
NNW	4.24	0	0	0	0	4.24
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

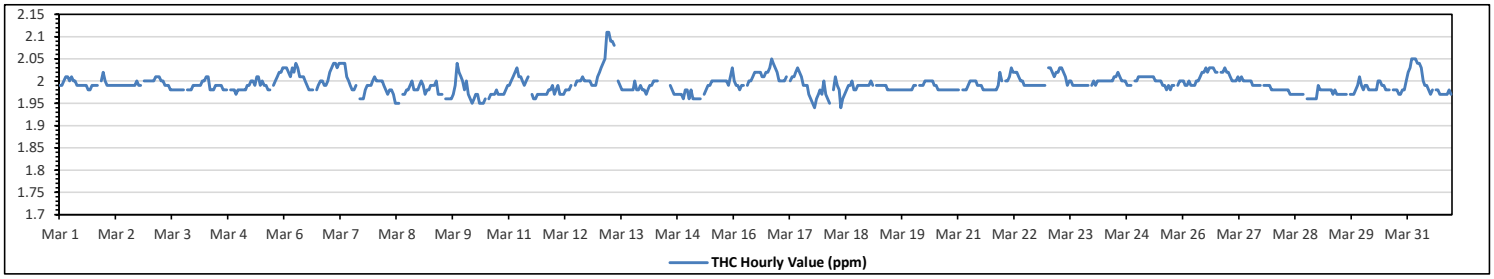
TOTAL HYDROCARBONS (THC) in ppm

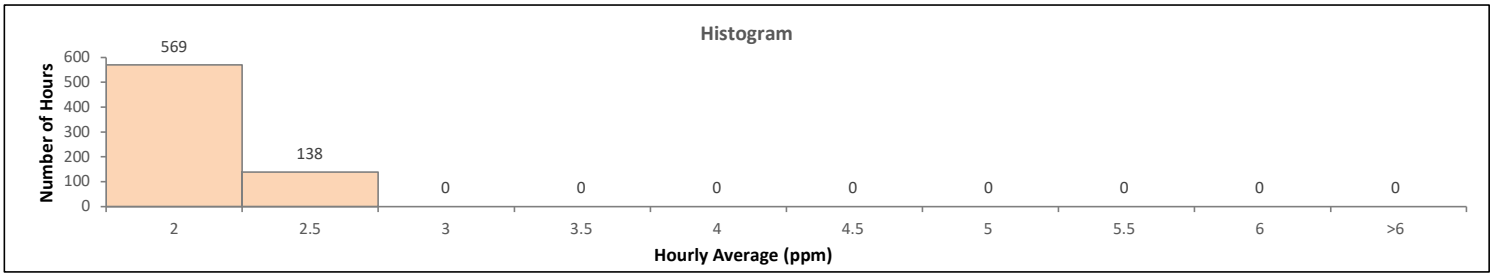
Maximum Hourly Value:	2.11	ppm	on Mar 13 at hr 4	Hours in Service:	744
Maximum Daily Value:	2.02	ppm	on Mar 13	Hours of Data:	707
Minimum Hourly Value:	1.94	ppm	on Mar 17 at hr 19	Hours of Missing Data:	0
Minimum Daily Value:	1.97	ppm	on Mar 10	Hours of Calibration:	37
Monthly Average:	1.99	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	1.99	1.99	2.00	2.01	2.01	2.00	2.01	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.99	1.99	1.99	1.99	S	2.00	2.02	1.98	2.02	2.00
Mar 2	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	1.99	S	2.00	2.00	2.00	1.99	2.00	1.99
Mar 3	2.00	2.00	2.00	2.01	2.01	2.01	2.00	2.00	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	S	1.98	1.98	1.98	1.99	1.98	2.01	1.99
Mar 4	1.99	1.99	1.99	1.99	2.00	2.00	2.01	2.01	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.98	1.98	1.98	S	1.98	1.98	1.98	1.97	1.98	1.97	2.01	1.99
Mar 5	1.98	1.98	1.98	1.98	1.99	1.99	2.00	2.00	1.99	2.01	2.01	1.99	2.00	1.99	1.99	1.98	1.98	S	1.99	2.00	2.01	2.02	2.02	2.03	1.98	2.03	2.00
Mar 6	2.03	2.03	2.02	2.01	2.03	2.02	2.04	2.03	2.01	2.01	2.01	2.00	1.99	1.98	1.98	1.98	S	1.98	1.99	2.00	2.00	1.99	1.99	2.00	1.98	2.04	2.01
Mar 7	2.02	2.03	2.04	2.04	2.03	2.04	2.04	2.04	2.04	2.01	2.00	1.99	1.98	1.98	1.99	S	1.96	1.96	1.96	1.98	1.99	1.99	1.99	2.00	1.96	2.04	2.00
Mar 8	2.01	2.00	2.00	2.00	2.00	1.99	1.98	1.97	1.98	1.98	1.97	1.95	1.95	1.95	S	1.97	1.97	1.98	1.98	1.99	2.00	1.98	1.98	1.98	1.95	2.01	1.98
Mar 9	1.99	2.00	1.99	1.97	1.98	1.98	1.99	1.99	1.99	2.00	1.97	1.97	1.97	S	1.96	1.96	1.96	1.96	1.97	1.99	2.04	2.02	2.01	2.00	1.96	2.04	1.99
Mar 10	1.98	2.00	1.97	1.96	1.95	1.96	1.97	1.97	1.95	1.95	1.95	1.96	S	1.96	1.97	1.97	1.97	1.98	1.97	1.97	1.97	1.97	1.98	1.99	1.95	2.00	1.97
Mar 11	1.99	2.00	2.01	2.02	2.03	2.01	2.01	2.00	1.99	2.00	2.01	S	1.97	1.96	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.99	1.96	2.03	1.99
Mar 12	1.97	1.98	1.99	1.97	1.97	1.97	1.98	1.98	1.98	1.99	S	1.99	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.01	1.97	2.01	1.99
Mar 13	2.02	2.03	2.04	2.05	**2.11**	**2.11**	2.09	2.09	2.08	S	2.00	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.00	1.98	1.98	1.99	1.98	1.98	**2.11**	**2.02**
Mar 14	1.98	1.97	1.98	1.99	1.99	2.00	2.00	2.00	S	C	C	C	C	C	1.99	1.98	1.97	1.97	1.97	1.97	1.97	1.96	1.98	1.98	1.96	2.00	1.98
Mar 15	1.96	1.98	1.96	1.96	1.96	1.96	1.96	S	1.97	1.98	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	2.01	2.03	1.96	2.03	1.99
Mar 16	2.00	1.99	1.99	1.98	1.99	1.99	S	1.99	2.00	2.00	2.01	2.02	2.02	2.02	2.02	2.01	2.01	2.02	2.02	2.03	2.05	2.04	2.03	2.02	1.98	2.05	2.01
Mar 17	2.00	2.00	2.00	2.00	2.01	S	2.00	2.01	2.01	2.02	2.03	2.02	2.01	1.99	1.99	1.99	1.97	1.96	1.95	1.94	1.96	1.97	1.98	1.97	1.94	2.03	1.99
Mar 18	2.00	1.97	1.96	1.95	S	1.98	2.01	1.99	1.98	1.94	1.96	1.97	1.98	1.99	1.99	2.00	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.94	2.01	1.98
Mar 19	1.99	2.00	1.99	S	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.00	1.98
Mar 20	1.99	1.99	S	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.00	1.99
Mar 21	1.98	S	1.98	1.98	1.98	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	2.02	2.00	1.98	2.02	1.99
Mar 22	S	2.00	2.00	2.01	2.03	2.02	2.02	2.02	2.01	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	1.99	2.03	2.00
Mar 23	2.03	2.03	2.02	2.01	2.02	2.02	2.03	2.03	2.02	2.01	1.99	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	1.99	1.99	2.03	2.00
Mar 24	2.00	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.01	2.00	2.00	2.00	1.99	1.99	1.99	S	2.00	2.00	1.99	2.02	2.00
Mar 25	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.99	1.98	1.99	1.99	S	1.99	2.00	2.00	1.98	2.01	2.00
Mar 26	2.00	1.99	1.99	2.00	1.99	1.99	1.99	2.00	2.00	2.01	2.02	2.02	2.03	2.02	2.03	2.03	2.03	2.02	2.02	S	2.02	2.02	2.03	2.02	1.99	2.03	2.01
Mar 27	2.02	2.01	2.00	2.00	2.00	2.01	2.00	2.01	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	S	1.99	1.99	1.99	1.99	1.98	1.98	2.02	2.00
Mar 28	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	S	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.98	1.97
Mar 29	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.97	1.97	1.97	1.97	1.97	1.97	S	1.97	1.97	1.97	1.98	1.99	2.01	1.99	1.97	2.01	1.98
Mar 30	1.98	1.99	1.99	1.98	1.98	1.98	1.98	1.98	2.00	2.00	1.99	1.99	1.98	1.98	1.98	S	1.98	1.98	1.98	1.97	1.97	1.98	1.98	2.00	1.97	2.00	1.98
Mar 31	2.02	2.03	2.05	2.05	2.05	2.04	2.04	2.03	2.00	1.99	1.99	1.98	1.97	1.98	S	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.98	1.97	1.97	2.05	2.00
Diurnal Maximum	2.03	2.03	2.05	2.05	2.11	2.11	2.09	2.09	2.08	2.02	2.03	2.02	2.03	2.02	2.03	2.03	2.03	2.02	2.02	2.03	2.05	2.04	2.03	2.03			
Diurnal Average	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



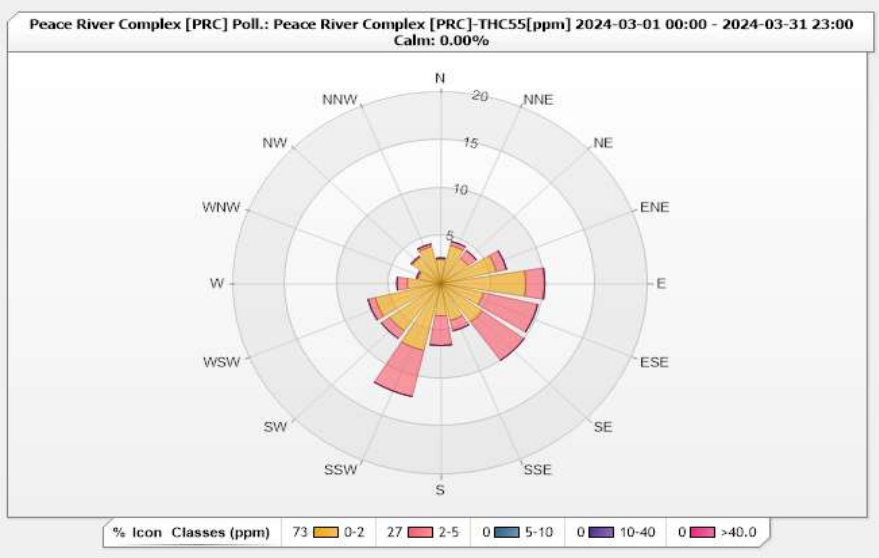


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-THC55[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	2.55	0.14	0	0	0	2.69
NNE	4.1	0.42	0	0	0	4.52
NE	3.25	0.99	0	0	0	4.24
ENE	5.52	0.99	0	0	0	6.51
E	8.2	1.84	0	0	0	10.04
ESE	4.24	5.37	0	0	0	9.61
SE	4.95	4.95	0	0	0	9.9
SSE	3.96	1.13	0	0	0	5.09
S	3.39	3.11	0	0	0	6.5
SSW	7.21	4.95	0	0	0	12.16
SW	6.08	0.99	0	0	0	7.07
WSW	6.51	0.71	0	0	0	7.22
W	3.25	0.99	0	0	0	4.24
WNW	2.26	0.14	0	0	0	2.4
NW	3.39	0.14	0	0	0	3.53
NNW	3.96	0.28	0	0	0	4.24
Summary	72.82	27.14	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

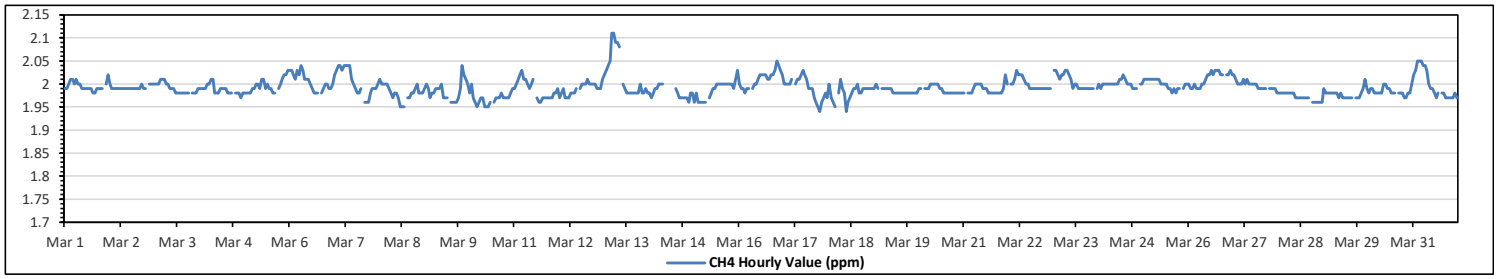
METHANE (CH4) in ppm

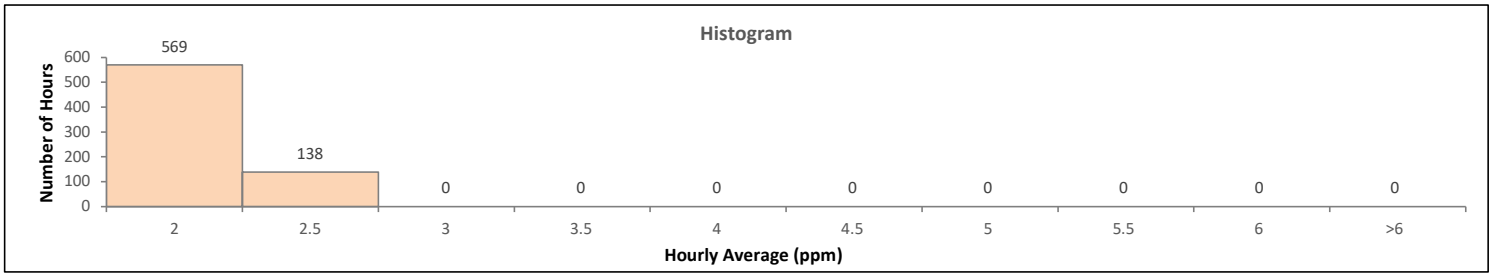
Maximum Hourly Value:	2.11	ppm	on Mar 13 at hr 4	Hours in Service:	744
Maximum Daily Value:	2.02	ppm	on Mar 13	Hours of Data:	707
Minimum Hourly Value:	1.94	ppm	on Mar 17 at hr 19	Hours of Missing Data:	0
Minimum Daily Value:	1.97	ppm	on Mar 10	Hours of Calibration:	37
Monthly Average:	1.99	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	1.99	1.99	2.00	2.01	2.01	2.00	2.01	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.99	1.99	1.99	1.99	S	2.00	2.02	1.98	2.02	2.00
Mar 2	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	1.99	S	2.00	2.00	2.00	1.99	2.00	1.99
Mar 3	2.00	2.00	2.00	2.01	2.01	2.01	2.00	2.00	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	S	1.98	1.98	1.98	1.99	1.98	2.01	1.99
Mar 4	1.99	1.99	1.99	1.99	2.00	2.00	2.01	2.01	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.98	1.98	1.98	S	1.98	1.98	1.98	1.97	1.98	1.97	2.01	1.99
Mar 5	1.98	1.98	1.98	1.98	1.99	1.99	2.00	2.00	1.99	2.01	2.01	1.99	2.00	1.99	1.99	1.98	1.98	S	1.99	2.00	2.01	2.02	2.02	2.03	1.98	2.03	2.00
Mar 6	2.03	2.03	2.02	2.01	2.03	2.02	2.04	2.03	2.01	2.01	2.01	2.00	1.99	1.98	1.98	1.98	S	1.98	1.99	2.00	2.00	1.99	1.99	2.00	1.98	2.04	2.01
Mar 7	2.02	2.03	2.04	2.04	2.03	2.04	2.04	2.04	2.04	2.01	2.00	1.99	1.98	1.98	1.99	S	1.96	1.96	1.96	1.98	1.99	1.99	1.99	2.00	1.96	2.04	2.00
Mar 8	2.01	2.00	2.00	2.00	2.00	1.99	1.98	1.97	1.98	1.98	1.97	1.95	1.95	1.95	S	1.97	1.97	1.98	1.98	1.99	2.00	1.98	1.98	1.98	1.95	2.01	1.98
Mar 9	1.99	2.00	1.99	1.97	1.98	1.98	1.99	1.99	1.99	2.00	1.97	1.97	1.97	S	1.96	1.96	1.96	1.96	1.97	1.99	2.04	2.02	2.01	2.00	1.96	2.04	1.99
Mar 10	1.98	2.00	1.97	1.96	1.95	1.96	1.97	1.97	1.95	1.95	1.95	1.96	S	1.96	1.97	1.97	1.97	1.98	1.97	1.97	1.97	1.97	1.98	1.99	1.95	2.00	1.97
Mar 11	1.99	2.00	2.01	2.02	2.03	2.01	2.01	2.00	1.99	2.00	2.01	S	1.97	1.96	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.99	1.96	2.03	1.99
Mar 12	1.97	1.98	1.99	1.97	1.97	1.97	1.98	1.98	1.98	1.99	S	1.99	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.01	1.97	2.01	1.99
Mar 13	2.02	2.03	2.04	2.05	**2.11**	**2.11**	2.09	2.09	2.08	S	2.00	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.00	1.98	1.98	1.99	1.98	1.98	**2.11**	**2.02**
Mar 14	1.98	1.97	1.98	1.99	1.99	2.00	2.00	2.00	S	C	C	C	C	C	1.99	1.98	1.97	1.97	1.97	1.97	1.97	1.96	1.98	1.98	1.96	2.00	1.98
Mar 15	1.96	1.98	1.96	1.96	1.96	1.96	1.96	S	1.97	1.98	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	2.01	2.03	1.96	2.03	1.99
Mar 16	2.00	1.99	1.99	1.98	1.99	1.99	S	1.99	2.00	2.00	2.01	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.02	2.02	2.03	2.05	2.04	2.03	1.98	2.05	2.01
Mar 17	2.00	2.00	2.00	2.00	2.01	S	2.00	2.01	2.01	2.02	2.03	2.02	2.01	1.99	1.99	1.99	1.97	1.96	1.95	1.94	1.96	1.97	1.98	1.97	1.94	2.03	1.99
Mar 18	2.00	1.97	1.96	1.95	S	1.98	2.01	1.99	1.98	1.94	1.96	1.97	1.98	1.99	1.99	2.00	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.94	2.01	1.98
Mar 19	1.99	2.00	1.99	S	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.00	1.98
Mar 20	1.99	1.99	S	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.00	1.99
Mar 21	1.98	S	1.98	1.98	1.98	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	2.02	2.00	1.98	2.02	1.99
Mar 22	S	2.00	2.00	2.01	2.03	2.02	2.02	2.02	2.01	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	1.99	2.03	2.00
Mar 23	2.03	2.03	2.02	2.01	2.02	2.02	2.03	2.03	2.02	2.01	1.99	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	1.99	1.99	2.03	2.00
Mar 24	2.00	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.01	2.00	2.00	2.00	1.99	1.99	1.99	S	2.00	2.00	1.99	2.02	2.00
Mar 25	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.99	1.98	1.99	1.99	S	1.99	2.00	2.00	1.98	2.01	2.00
Mar 26	2.00	1.99	1.99	2.00	1.99	1.99	1.99	2.00	2.00	2.01	2.02	2.02	2.03	2.02	2.03	2.03	2.03	2.02	2.02	S	2.02	2.02	2.03	2.02	1.99	2.03	2.01
Mar 27	2.02	2.01	2.00	2.00	2.00	2.01	2.00	2.01	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	S	1.99	1.99	1.99	1.99	1.98	1.98	2.02	2.00
Mar 28	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	S	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.98	1.97
Mar 29	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.97	1.97	1.97	1.97	1.97	1.97	S	1.97	1.97	1.97	1.98	1.99	2.01	1.99	1.97	2.01	1.98
Mar 30	1.98	1.99	1.99	1.98	1.98	1.98	1.98	1.98	2.00	2.00	1.99	1.99	1.98	1.98	1.98	S	1.98	1.98	1.98	1.97	1.97	1.98	1.98	2.00	1.97	2.00	1.98
Mar 31	2.02	2.03	2.05	2.05	2.05	2.04	2.04	2.03	2.00	1.99	1.99	1.98	1.97	1.98	S	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.98	1.97	1.97	2.05	2.00
Diurnal Maximum	2.03	2.03	2.05	2.05	2.11	2.11	2.09	2.09	2.08	2.02	2.03	2.02	2.03	2.02	2.03	2.03	2.03	2.02	2.02	2.03	2.05	2.04	2.03	2.03			
Diurnal Average	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



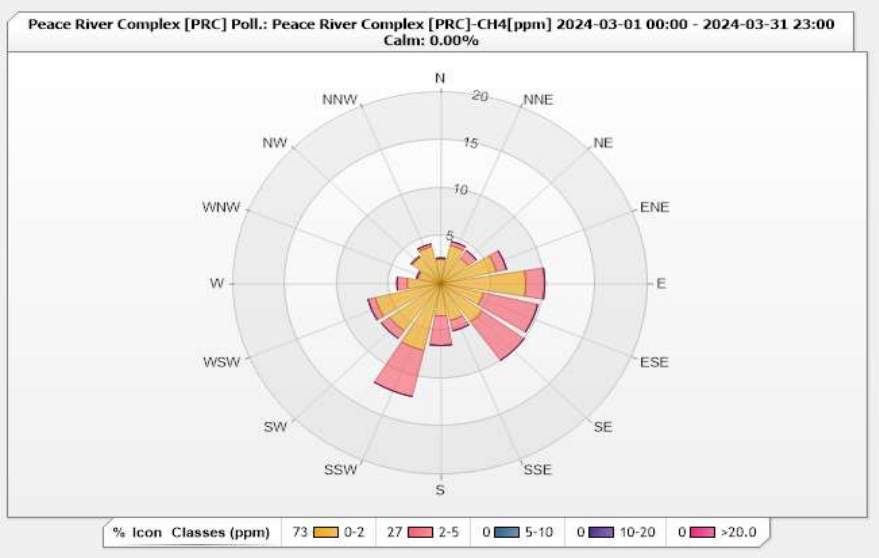


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-CH4[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	2.55	0.14	0	0	0	2.69
NNE	4.1	0.42	0	0	0	4.52
NE	3.25	0.99	0	0	0	4.24
ENE	5.52	0.99	0	0	0	6.51
E	8.2	1.84	0	0	0	10.04
ESE	4.24	5.37	0	0	0	9.61
SE	4.95	4.95	0	0	0	9.9
SSE	3.96	1.13	0	0	0	5.09
S	3.39	3.11	0	0	0	6.5
SSW	7.21	4.95	0	0	0	12.16
SW	6.08	0.99	0	0	0	7.07
WSW	6.51	0.71	0	0	0	7.22
W	3.25	0.99	0	0	0	4.24
WNW	2.26	0.14	0	0	0	2.4
NW	3.39	0.14	0	0	0	3.53
NNW	3.96	0.28	0	0	0	4.24
Summary	72.82	27.14	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

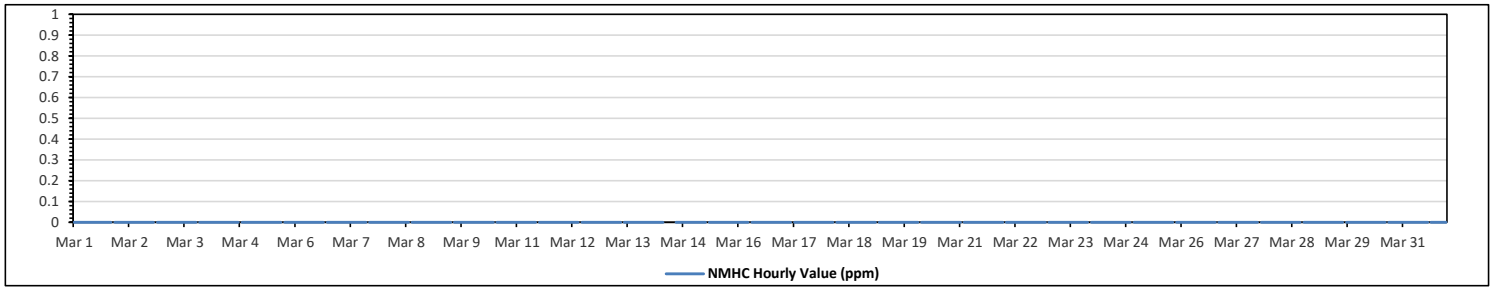
NON-METHANE HYDROCARBONS (NMHC) in ppm

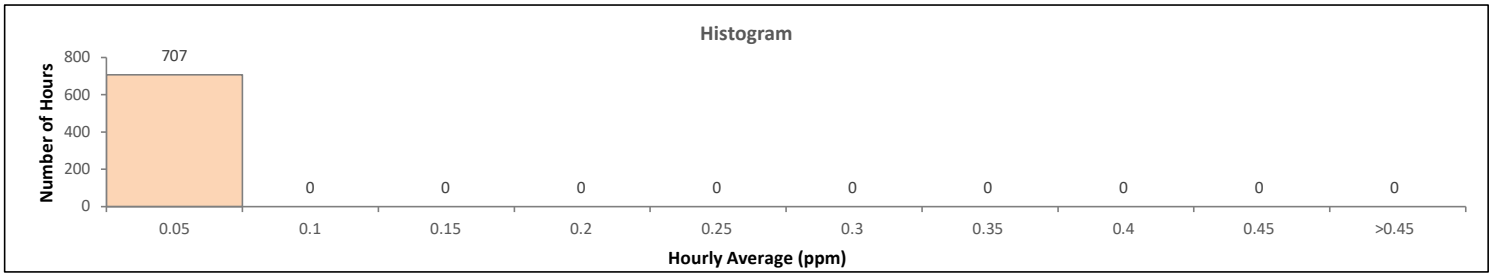
Maximum Hourly Value:	0.00 ppm	on Mar 1 at hr 0	Hours in Service:	744	
Maximum Daily Value:	0.00 ppm	on Mar 1	Hours of Data:	707	
Minimum Hourly Value:	0.00 ppm	on Mar 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.00 ppm	on Mar 1	Hours of Calibration:	37	
Monthly Average:	0.00 ppm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Mar 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Mar 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	C	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 16	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 17	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 18	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 19	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 20	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 21	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 22	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Mar 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Mar 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Mar 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Mar 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



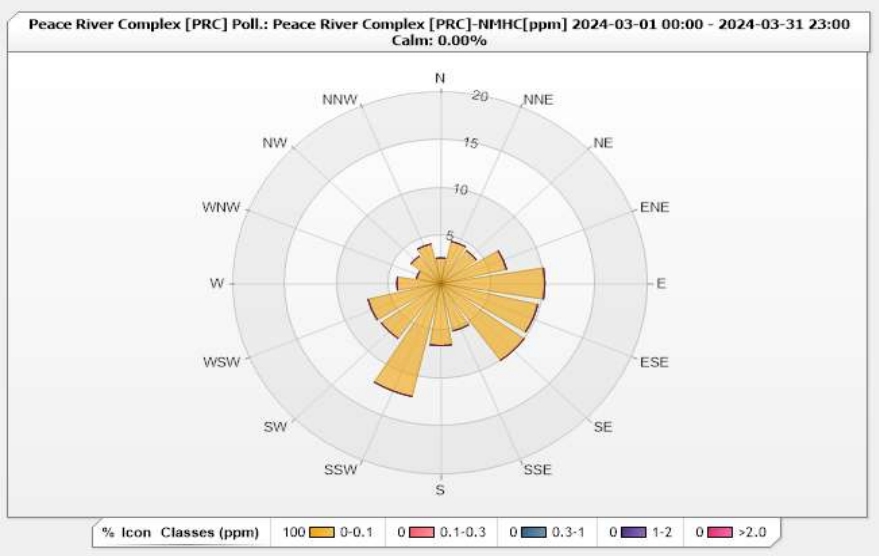


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-NMHC[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	2.69	0	0	0	0	2.69
NNE	4.53	0	0	0	0	4.53
NE	4.24	0	0	0	0	4.24
ENE	6.51	0	0	0	0	6.51
E	10.04	0	0	0	0	10.04
ESE	9.62	0	0	0	0	9.62
SE	9.9	0	0	0	0	9.9
SSE	5.09	0	0	0	0	5.09
S	6.51	0	0	0	0	6.51
SSW	12.16	0	0	0	0	12.16
SW	7.07	0	0	0	0	7.07
WSW	7.21	0	0	0	0	7.21
W	4.24	0	0	0	0	4.24
WNW	2.4	0	0	0	0	2.4
NW	3.54	0	0	0	0	3.54
NNW	4.24	0	0	0	0	4.24
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

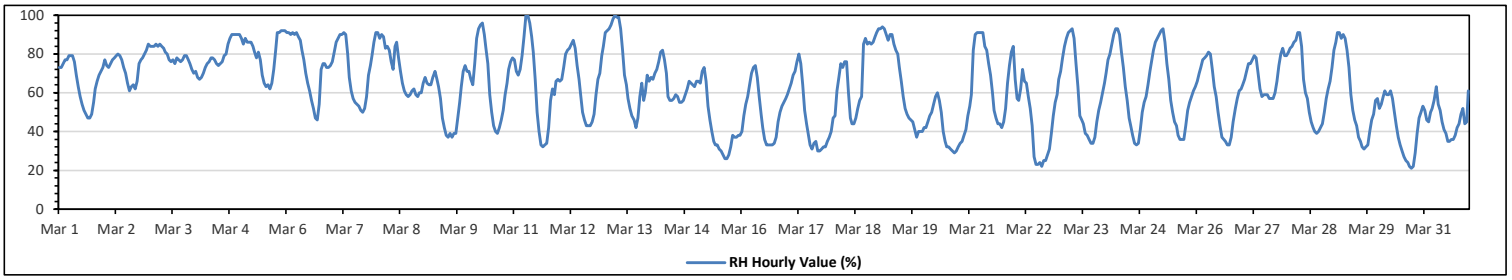
Maximum Hourly Value:	100	%	on Mar 11 at hr 6	Hours in Service:	744	
Maximum Daily Value:	80.0	%	on Mar 5	Hours of Data:	744	
Minimum Hourly Value:	21	%	on Mar 30 at hr 17	Hours of Missing Data:	0	
Minimum Daily Value:	41.3	%	on Mar 20	Hours of Calibration:	0	
Monthly Average:	62.7	%		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	73	73	75	77	77	79	79	79	76	69	63	58	54	51	49	47	47	49	55	62	66	69	71	73	47	79	65.5
Mar 2	77	74	73	75	77	78	79	80	79	77	73	70	65	61	63	64	62	66	75	77	78	80	82	85	61	85	73.8
Mar 3	84	84	84	85	84	85	84	83	81	80	77	76	77	75	78	77	76	77	79	79	77	75	72	70	70	85	79.1
Mar 4	71	68	67	68	70	73	75	76	78	78	77	75	74	75	76	79	80	85	88	90	90	90	90	90	67	90	78.5
Mar 5	88	85	88	86	86	86	84	81	78	81	77	69	65	63	64	62	65	72	82	91	91	92	92	92	62	92	**80.0**
Mar 6	91	91	90	91	90	91	89	87	82	77	70	65	61	56	52	47	46	54	72	75	75	73	73	74	46	91	73.8
Mar 7	76	81	86	88	90	90	91	90	80	68	61	57	55	54	53	51	50	52	58	69	74	79	86	91	50	91	72.1
Mar 8	91	88	90	89	83	84	82	76	72	84	86	78	71	65	61	59	58	59	61	62	59	58	60	60	58	91	72.3
Mar 9	65	68	65	64	64	68	71	67	63	57	47	42	38	37	39	37	39	39	47	55	63	71	74	71	37	74	56.3
Mar 10	71	67	64	75	88	93	95	96	90	83	75	59	50	43	40	39	42	46	51	59	65	72	76	78	39	96	67.4
Mar 11	77	71	69	72	79	89	**100**	**100**	96	89	81	67	50	40	33	32	33	34	42	56	62	59	66	67	32	**100**	65.2
Mar 12	66	67	73	80	82	83	85	87	83	74	67	59	50	46	43	43	43	45	49	59	67	70	79	84	43	87	66.0
Mar 13	91	92	93	95	98	**100**	99	99	93	82	69	64	57	52	48	46	42	47	58	65	56	60	69	66	42	**100**	72.5
Mar 14	68	67	70	72	76	81	82	77	70	58	56	56	57	59	58	55	55	56	59	62	66	65	64	63	55	82	64.7
Mar 15	66	66	65	71	73	66	53	46	40	35	33	33	31	30	28	26	26	28	32	38	37	37	38	38	26	73	43.2
Mar 16	40	48	54	58	64	70	73	74	68	58	49	42	36	33	33	33	33	34	37	45	50	53	55	57	33	74	49.9
Mar 17	59	62	65	69	71	76	80	75	64	51	44	38	33	31	34	35	30	30	31	32	32	35	37	40	30	80	48.1
Mar 18	47	48	61	68	75	73	76	76	60	47	44	44	47	52	56	58	85	88	85	86	85	86	89	91	44	91	67.8
Mar 19	93	93	94	93	90	87	90	90	85	82	80	73	66	58	52	49	47	46	45	41	37	40	40	40	37	94	67.1
Mar 20	42	42	45	48	50	54	58	60	56	50	40	35	32	32	31	30	29	30	32	34	35	38	41	48	29	60	**41.3**
Mar 21	53	59	82	90	91	91	91	91	84	82	75	69	60	51	47	44	44	42	45	52	65	74	81	84	42	91	68.6
Mar 22	67	57	56	62	72	66	65	58	52	43	27	23	23	24	22	25	25	28	31	39	48	55	59	67	22	72	45.6
Mar 23	71	78	84	88	91	92	93	88	75	63	48	46	44	39	38	36	34	34	37	45	51	55	60	65	34	93	60.6
Mar 24	70	77	80	85	90	93	93	90	81	73	63	56	47	43	38	34	33	34	41	50	55	58	64	71	33	93	63.3
Mar 25	77	82	86	88	90	92	93	86	75	67	56	50	45	43	38	36	36	36	43	51	55	58	61	63	36	93	62.8
Mar 26	66	70	73	77	78	79	81	80	72	63	58	50	43	37	36	35	33	33	37	45	52	57	61	62	33	81	57.4
Mar 27	64	67	71	75	75	77	79	78	70	62	58	59	59	59	57	57	57	60	66	74	80	83	79	79	57	83	68.5
Mar 28	81	83	84	86	87	91	91	84	67	60	57	50	45	42	40	39	40	42	44	50	57	62	66	73	39	91	63.4
Mar 29	82	86	91	91	88	90	88	82	73	59	51	46	43	37	35	32	31	32	33	40	46	49	56	57	31	91	59.1
Mar 30	52	54	58	61	59	59	61	57	50	43	37	33	30	27	25	24	22	**21**	22	29	39	47	50	53	**21**	61	42.2
Mar 31	51	46	45	50	52	56	63	54	51	45	41	39	35	35	36	36	38	42	44	49	52	44	45	61	35	63	46.3
Diurnal Maximum	93	93	94	95	98	100	100	100	96	89	86	78	77	75	78	79	85	88	88	91	91	92	92	92			
Diurnal Average	70.0	70.8	73.6	76.7	78.7	80.4	81.4	78.9	72.4	65.8	59.4	54.2	49.8	46.8	45.3	44.1	44.5	46.5	51.0	56.8	60.2	62.7	65.7	68.2			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

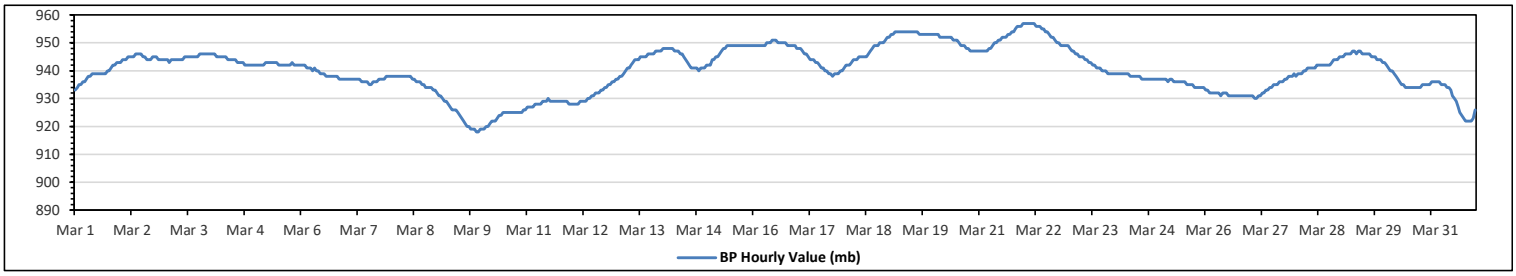
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	957	mb	on Mar 21 at hr 23	Hours in Service:	744
Maximum Daily Value:	954	mb	on Mar 19	Hours of Data:	744
Minimum Hourly Value:	918	mb	on Mar 9 at hr 21	Hours of Missing Data:	0
Minimum Daily Value:	923	mb	on Mar 10	Hours of Calibration:	0
Monthly Average:	940	mb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	933	934	935	935	936	936	937	938	938	939	939	939	939	939	939	939	939	940	940	941	942	942	943	943	933	943	939
Mar 2	943	944	944	944	945	945	945	945	946	946	946	946	945	945	944	944	944	945	945	945	944	944	944	944	943	946	945
Mar 3	944	944	943	944	944	944	944	944	944	944	945	945	945	945	945	945	945	945	946	946	946	946	946	946	943	946	945
Mar 4	946	946	946	945	945	945	945	945	945	944	944	944	944	944	943	943	943	943	942	942	942	942	942	942	942	946	944
Mar 5	942	942	942	942	942	943	943	943	943	943	943	943	942	942	942	942	942	942	942	943	942	942	942	942	942	943	942
Mar 6	942	942	942	941	941	941	940	941	940	940	939	939	939	938	938	938	938	938	938	938	937	937	937	937	937	942	939
Mar 7	937	937	937	937	937	937	937	937	936	936	936	936	935	935	936	936	936	937	937	937	937	938	938	938	935	938	937
Mar 8	938	938	938	938	938	938	938	938	938	938	938	937	937	936	936	936	935	935	934	934	934	934	933	933	933	938	936
Mar 9	932	931	931	930	929	929	928	927	926	926	926	925	924	923	922	921	920	920	919	919	919	**918**	**918**	919	**918**	932	924
Mar 10	919	919	920	920	921	922	922	922	923	924	924	925	925	925	925	925	925	925	925	925	925	925	926	926	919	926	**923**
Mar 11	927	927	927	927	928	928	928	928	929	929	929	930	929	929	929	929	929	929	929	929	929	929	928	928	927	930	928
Mar 12	928	928	928	928	929	929	929	929	930	930	931	931	932	932	932	933	933	934	934	935	935	936	936	937	928	937	932
Mar 13	937	938	938	939	940	941	941	942	943	944	944	944	945	945	945	945	946	946	946	946	947	947	947	947	937	947	943
Mar 14	948	948	948	948	948	948	947	947	947	946	946	945	944	943	942	941	941	941	941	940	941	941	941	942	940	948	944
Mar 15	942	942	944	944	945	945	946	947	948	948	949	949	949	949	949	949	949	949	949	949	949	949	949	949	942	949	947
Mar 16	949	949	949	949	949	949	949	950	950	950	951	951	951	950	950	950	950	950	949	949	949	949	949	948	948	951	950
Mar 17	948	948	947	946	946	945	944	944	944	943	943	942	941	941	940	940	939	939	938	939	939	939	940	940	938	948	942
Mar 18	941	942	942	942	943	944	944	944	945	945	945	945	945	946	947	948	949	949	949	950	950	950	951	952	941	952	946
Mar 19	952	953	953	954	954	954	954	954	954	954	954	954	954	954	954	954	953	953	953	953	953	953	953	953	952	954	**954**
Mar 20	953	953	953	952	952	952	952	952	952	952	951	951	951	950	949	949	949	948	948	947	947	947	947	947	947	953	950
Mar 21	947	947	947	947	947	948	948	949	950	950	951	951	952	952	952	953	953	954	954	955	956	956	956	**957**	947	**957**	951
Mar 22	**957**	**957**	**957**	**957**	**957**	**957**	956	956	956	955	955	954	954	953	952	952	951	950	950	949	949	949	949	949	949	**957**	953
Mar 23	948	947	947	946	946	945	945	945	944	944	943	943	942	942	941	941	941	940	940	940	939	939	939	939	939	948	943
Mar 24	939	939	939	939	939	939	939	939	938	938	938	938	938	938	937	937	937	937	937	937	937	937	937	937	937	939	938
Mar 25	937	937	937	937	936	937	937	936	936	936	936	936	936	936	935	935	935	935	934	934	934	934	934	934	934	937	936
Mar 26	933	933	932	932	932	932	932	932	931	932	932	932	931	931	931	931	931	931	931	931	931	931	931	931	931	933	932
Mar 27	931	931	930	930	931	931	932	932	933	933	934	934	935	935	935	936	936	936	937	937	938	938	938	939	930	939	934
Mar 28	938	939	939	939	940	940	941	941	941	941	941	942	942	942	942	942	942	942	942	943	944	944	944	945	938	945	942
Mar 29	945	945	946	946	946	946	947	947	946	947	947	946	946	946	946	946	945	945	945	944	944	944	943	943	943	947	945
Mar 30	942	941	940	940	939	938	937	936	935	935	934	934	934	934	934	934	934	934	934	935	935	935	935	935	934	942	936
Mar 31	936	936	936	936	936	935	935	935	934	934	933	931	930	929	927	925	924	923	922	922	922	922	923	926	922	936	930
Diurnal Maximum	957	957	957	957	957	957	956	956	956	955	955	954	954	954	954	954	953	954	954	955	956	956	956	957			
Diurnal Average	940	941	941	940	941	941	941	941	941	941	941	941	941	940	940	940	940	940	940	940	940	940	940	940			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

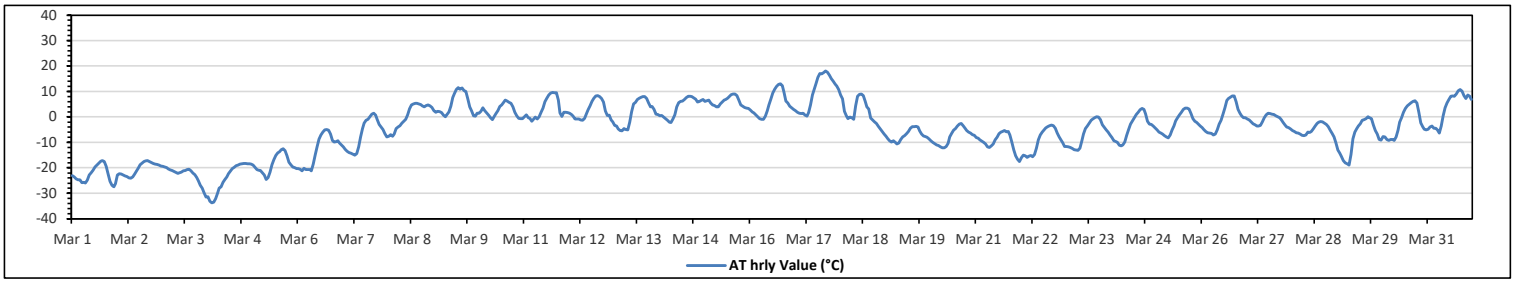
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	18.1	°C	on Mar 17 at hr 16	Hours in Service:	744	
Maximum Daily Value:	9.7	°C	on Mar 17	Hours of Data:	744	
Minimum Hourly Value:	-33.7	°C	on Mar 4 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	-23.9	°C	on Mar 4	Hours of Calibration:	0	
Monthly Average:	-4.8	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	-23	-23.6	-24.3	-24.7	-24.7	-25.8	-25.7	-25.9	-24.8	-22.9	-21.9	-20.9	-19.7	-18.9	-18.1	-17.4	-17.1	-17.5	-19.4	-22.4	-25.3	-26.8	-27.4	-26.2	-27.4	-17.1	-22.7
Mar 2	-22.8	-22.3	-22.5	-22.8	-23.1	-23.4	-23.9	-24.1	-23.5	-22.4	-21.2	-20.2	-18.8	-18.1	-17.5	-17.3	-17.2	-17.5	-17.9	-18.3	-18.5	-18.7	-18.9	-19.2	-24.1	-17.2	-20.4
Mar 3	-19.4	-19.7	-20	-20.4	-20.8	-21	-21.4	-21.8	-22.1	-21.9	-21.6	-21.2	-21	-20.6	-20.5	-21.2	-22	-22.7	-23.8	-25.1	-26.8	-28	-29.8	-31.5	-31.5	-19.4	-22.7
Mar 4	-31.3	-33.1	**-33.7**	-33.5	-32.2	-29.9	-28	-27.4	-25.7	-24.6	-23.5	-22.3	-21.3	-20.3	-19.8	-19.1	-18.9	-18.6	-18.4	-18.3	-18.3	-18.4	-18.4	-18.5	**-33.7**	-18.3	**-23.9**
Mar 5	-18.9	-19.8	-20.7	-20.9	-21.1	-21.9	-22.9	-24.6	-23.8	-21.6	-18.8	-16.7	-15.1	-14.1	-13.6	-12.8	-12.5	-13.3	-15.3	-17.8	-18.8	-19.6	-19.9	-20.3	-24.6	-12.5	-18.5
Mar 6	-20.3	-20.5	-21.2	-20.2	-20.7	-20.7	-20.6	-21.2	-18.5	-15	-11.8	-8.7	-7	-6	-5.1	-4.9	-5.2	-6.7	-9.2	-9.8	-9.7	-9.4	-10.2	-11	-21.2	-4.9	-13.1
Mar 7	-11.7	-12.7	-13.5	-14	-14.3	-14.6	-14.9	-14.4	-11.7	-7.8	-4.6	-2.4	-1.3	-0.9	0	1.1	1.4	0.7	-1	-2.9	-4	-4.9	-6.6	-7.8	-14.9	1.4	-6.8
Mar 8	-7.6	-6.9	-7.6	-6.8	-4.5	-4	-3.4	-2.4	-1.6	-0.9	0.9	3.2	4.8	5.1	5.3	5.3	5.2	4.9	4.3	4	4.5	4.7	4.3	3.8	-7.6	5.3	0.6
Mar 9	2.5	1.8	2.2	2.1	1.7	0.7	0	1	2	4.2	7.7	9.2	10.8	11.6	10.9	11.4	10.5	10	7.1	4	2.4	0.4	0.3	1.4	0.0	11.6	4.8
Mar 10	1.5	2.3	3.7	2.5	1.6	0.7	-0.3	-1	0.1	1.3	2.5	4.1	4.7	5.8	6.6	6.3	5.8	5.3	4	1.8	0.5	-0.5	-0.6	-0.7	-1.0	6.6	2.4
Mar 11	0	0.8	-0.2	-0.5	-1.6	-0.8	-0.1	-0.8	0.1	1.9	3.5	6	7.4	8.7	9.4	9.6	9.5	9.5	6.6	1.6	0.2	1.8	1.8	1.7	-1.6	9.6	3.2
Mar 12	1.5	1	0.3	-0.8	-0.8	-0.8	-1.2	-1.3	-0.5	1.3	2.8	4.3	6.2	7.4	8.2	8.4	8	7.3	5.9	2.4	0.6	0.7	-1.2	-1.9	-1.9	8.4	2.4
Mar 13	-3.3	-3.6	-4.7	-5.4	-5.5	-4.5	-5	-5.1	-2.1	2.1	5.1	5.7	6.9	7.4	7.8	7.9	8	7.3	5.4	4	4.1	2.9	1.1	1	-5.5	8.0	1.6
Mar 14	0.5	0.6	-0.1	-0.6	-1.3	-2.1	-2.2	-0.8	0.9	3.9	5.6	6.1	6.3	6.9	7.7	8.1	8.1	8	7.5	7	5.9	6.2	6.5	6.9	-2.2	8.1	4.0
Mar 15	6.1	6.4	6.6	5.5	4.7	4.5	4	4	5.1	5.9	6.6	6.9	7.4	8.1	8.8	9.1	9	8.4	6.6	4.8	4.2	3.8	3.5	3.3	3.3	9.1	6.0
Mar 16	2.7	2	1.6	0.9	0	-0.6	-0.9	-0.9	0.3	2.5	4.7	7	9.3	10.9	12	12.8	13.1	12.3	9.7	6.3	5.4	4.2	3.6	3	-0.9	13.1	5.1
Mar 17	2.5	1.9	1.5	1.3	1.4	0.7	0.3	1.7	4.8	8.6	10.6	13.1	15.6	17.1	17	17.4	**18.1**	17.5	16.4	15.1	14	12.9	12.1	10.8	0.3	**18.1**	**9.7**
Mar 18	8.6	7.1	2.3	0.4	-0.7	-0.1	-0.2	-0.9	4.3	8.1	8.9	9.1	8.4	6.2	4	3.1	-0.4	-1.2	-1.9	-2.6	-3.7	-4.7	-5.7	-6.7	-6.7	9.1	1.7
Mar 19	-7.6	-8.5	-9.4	-9.8	-9.4	-10	-10.6	-10.2	-8.9	-7.9	-7.3	-6.6	-5.6	-4.4	-3.8	-3.9	-3.7	-4	-5.5	-6.8	-7.4	-7.7	-8	-8.6	-10.6	-3.7	-7.3
Mar 20	-9.4	-10	-10.5	-10.9	-11.2	-11.8	-12.1	-12.1	-11.6	-10.4	-7.9	-6.5	-5.2	-4.6	-3.6	-2.8	-2.6	-3.4	-4.4	-5.4	-5.9	-6.4	-6.9	-7.2	-12.1	-2.6	-7.6
Mar 21	-8.1	-8.3	-9	-9.5	-9.9	-10.7	-11.7	-12	-11.3	-10.6	-9	-8	-6.6	-5.9	-5.7	-5.3	-5.8	-5.7	-7	-9.8	-12.9	-15.3	-16.6	-17.5	-17.5	-5.3	-9.7
Mar 22	-16	-15	-15.2	-15.9	-15.4	-15.1	-15.6	-14.8	-12.2	-9	-7.1	-5.9	-5.2	-4.3	-3.8	-3.4	-3.2	-3.4	-4.4	-6.3	-7.9	-9.1	-10.1	-11.6	-16.0	-3.2	-9.6
Mar 23	-11.6	-11.7	-12	-12.3	-12.8	-13	-13.2	-12.2	-9.4	-6.8	-4.6	-3.5	-2.4	-1.3	-0.8	-0.2	0	-0.1	-1.1	-3	-4.1	-5.1	-6	-7	-13.2	0.0	-6.4
Mar 24	-8.1	-9.4	-9.6	-10	-11.1	-11.3	-11	-9.8	-7.2	-5	-2.8	-1.5	-0.3	1	1.9	2.8	3.3	3	1.2	-1.6	-2.8	-2.9	-3.5	-4.3	-11.3	3.3	-4.1
Mar 25	-5.1	-5.9	-6.4	-6.8	-7.3	-7.8	-8.2	-7	-5.1	-3.4	-1.5	-0.2	0.9	1.9	2.9	3.5	3.5	3.1	1.3	-0.7	-1.6	-2.2	-2.8	-3.6	-8.2	3.5	-2.4
Mar 26	-4.2	-5	-5.6	-6.2	-6.4	-6.5	-7	-6.7	-5.1	-2.8	-1.3	1.1	3.7	6.5	7.3	7.8	8.3	8.2	6	3	1.5	0.4	-0.3	-0.2	-7.0	8.3	-0.1
Mar 27	-0.8	-1.2	-1.9	-2.7	-3	-3.5	-3.6	-3.3	-1.9	-0.2	0.9	1.4	1.3	1.1	1	0.5	0.1	-0.3	-1.1	-2.2	-3.1	-4	-4.2	-4.7	-4.7	1.4	-1.5
Mar 28	-5.3	-5.7	-6.2	-6.4	-6.8	-7.2	-7.3	-7.1	-6	-6.1	-5.6	-4.7	-3.5	-2.6	-2.1	-1.8	-1.9	-2.4	-2.9	-3.9	-5.2	-6.5	-7.8	-10.2	-10.2	-1.8	-5.2
Mar 29	-13	-14.3	-15.5	-17.1	-18	-18.4	-18.9	-14.8	-8.6	-5.9	-4.5	-3.6	-2.7	-1.3	-1.1	-0.7	0	-0.2	-0.7	-3.2	-5.3	-6.7	-8.9	-9.1	-18.9	0.0	-8.0
Mar 30	-7.7	-7.8	-8.8	-9.3	-8.9	-8.9	-9.3	-7.9	-5.2	-2.1	-0.3	1.8	3.4	4.3	5	5.6	6.2	6.4	5.4	1.8	-2.3	-3.8	-4.8	-5.1	-9.3	6.4	-2.2
Mar 31	-4.8	-4	-3.5	-4.4	-4.4	-5.1	-6.4	-3.5	0.4	3.7	5.4	6.9	8.1	8.2	8.1	9.1	10.3	10.8	10.1	8.4	7.3	8.6	8.1	6.8	-6.4	10.8	3.5
Diurnal Maximum	8.6	7.1	6.6	5.5	4.7	4.5	4.0	4.0	5.1	8.6	10.6	13.1	15.6	17.1	17.0	17.4	18.1	17.5	16.4	15.1	14.0	12.9	12.1	10.8			
Diurnal Average	-7.6	-7.9	-8.5	-9.0	-9.2	-9.4	-9.7	-9.3	-7.4	-5.3	-3.6	-2.2	-1.0	-0.2	0.3	0.6	0.6	0.2	-1.2	-3.1	-4.3	-5.0	-5.7	-6.3			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

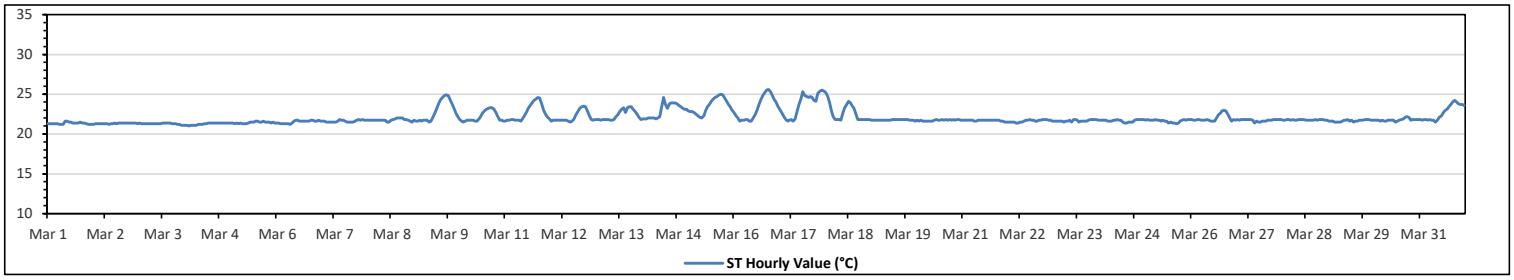
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	25.6	°C	on Mar 16 at hr 18	Hours in Service:	744	
Maximum Daily Value:	23.7	°C	on Mar 17	Hours of Data:	744	
Minimum Hourly Value:	21.0	°C	on Mar 4 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	21.3	°C	on Mar 4	Hours of Calibration:	0	
Monthly Average:	22.0	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	21.3	21.3	21.3	21.3	21.3	21.3	21.2	21.2	21.2	21.6	21.6	21.5	21.5	21.4	21.4	21.4	21.4	21.5	21.4	21.4	21.3	21.2	21.2	21.2	21.2	21.6	21.4
Mar 2	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.2	21.3	21.3	21.4	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.3	21.2	21.4	21.3
Mar 3	21.4	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.3	21.3	21.3	21.2	21.2	21.1	21.1	21.1	21.4	21.3
Mar 4	21.1	21.1	**21.0**	21.1	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	**21.0**	21.4	**21.3**
Mar 5	21.4	21.4	21.3	21.4	21.3	21.4	21.3	21.3	21.3	21.4	21.5	21.5	21.5	21.6	21.6	21.5	21.5	21.6	21.5	21.5	21.5	21.4	21.5	21.4	21.3	21.6	21.4
Mar 6	21.4	21.4	21.3	21.3	21.3	21.3	21.3	21.2	21.4	21.6	21.7	21.7	21.6	21.6	21.6	21.6	21.6	21.6	21.7	21.7	21.6	21.6	21.7	21.6	21.2	21.7	21.5
Mar 7	21.6	21.6	21.5	21.5	21.5	21.5	21.5	21.5	21.6	21.8	21.7	21.7	21.6	21.5	21.5	21.5	21.5	21.6	21.7	21.8	21.7	21.8	21.7	21.7	21.5	21.8	21.6
Mar 8	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.5	21.5	21.7	21.8	21.9	22.0	22.0	22.0	22.0	21.8	21.8	21.7	21.6	21.5	21.5	22.0	21.7
Mar 9	21.7	21.6	21.6	21.7	21.6	21.7	21.7	21.7	21.5	21.6	22.2	22.7	23.3	23.9	24.3	24.6	24.8	24.9	24.8	24.3	23.8	23.2	22.6	22.2	21.5	24.9	22.8
Mar 10	21.8	21.6	21.5	21.6	21.7	21.7	21.7	21.7	21.6	21.6	21.9	22.2	22.6	22.9	23.1	23.2	23.3	23.3	23.1	22.7	22.2	21.7	21.7	21.6	21.5	23.3	22.2
Mar 11	21.6	21.7	21.7	21.8	21.8	21.7	21.7	21.7	21.6	21.9	22.3	22.7	23.2	23.6	23.9	24.2	24.4	24.6	24.5	23.8	23.0	22.5	22.2	21.9	21.6	24.6	22.7
Mar 12	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.6	21.5	21.6	21.9	22.4	22.8	23.2	23.4	23.5	23.4	22.9	22.3	21.8	21.7	21.8	21.5	23.5	22.1
Mar 13	21.8	21.8	21.7	21.8	21.8	21.8	21.8	21.7	21.7	21.8	22.2	22.4	22.8	23.1	23.3	22.7	23.3	23.4	23.4	23.1	22.8	22.5	22.1	21.8	21.7	23.4	22.4
Mar 14	21.9	21.9	21.9	22.0	22.0	22.0	22.0	21.9	22.0	22.2	23.4	24.6	23.7	23.2	23.8	23.9	23.9	23.9	23.8	23.6	23.4	23.2	23.1	23.1	21.9	24.6	22.9
Mar 15	22.9	22.8	22.8	22.7	22.5	22.3	22.1	22.0	22.3	22.9	23.4	23.7	24.1	24.4	24.6	24.7	24.9	25.0	24.9	24.5	24.1	23.7	23.4	23.0	22.0	25.0	23.5
Mar 16	22.7	22.3	22.0	21.6	21.7	21.7	21.8	21.8	21.6	21.6	22.0	22.4	23.0	23.7	24.3	24.8	25.2	25.5	**25.6**	25.3	24.9	24.4	24.0	23.5	21.6	**25.6**	23.2
Mar 17	23.1	22.6	22.2	21.8	21.6	21.7	21.8	21.6	21.9	22.8	23.7	24.4	25.3	24.8	24.7	24.6	24.7	24.6	24.2	24.1	25.1	25.4	25.5	25.4	21.6	25.5	**23.7**
Mar 18	25.2	24.7	23.9	23.0	22.2	21.8	21.8	21.8	21.7	22.6	23.3	23.7	24.1	23.9	23.5	23.2	22.5	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.7	25.2	22.7
Mar 19	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.7	21.7	21.7	21.6	21.6	21.8	21.7
Mar 20	21.7	21.6	21.7	21.6	21.6	21.6	21.6	21.6	21.6	21.7	21.8	21.7	21.7	21.8	21.7	21.8	21.7	21.8	21.7	21.8	21.7	21.8	21.8	21.7	21.6	21.8	21.7
Mar 21	21.7	21.7	21.7	21.7	21.7	21.7	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.6	21.6	21.5	21.5	21.5	21.7	21.7
Mar 22	21.5	21.5	21.5	21.5	21.4	21.4	21.5	21.5	21.6	21.7	21.7	21.8	21.7	21.7	21.6	21.6	21.7	21.7	21.8	21.8	21.8	21.7	21.7	21.6	21.4	21.8	21.6
Mar 23	21.6	21.6	21.6	21.6	21.6	21.5	21.6	21.6	21.7	21.5	21.8	21.8	21.7	21.5	21.6	21.6	21.6	21.6	21.7	21.8	21.8	21.8	21.8	21.7	21.5	21.8	21.7
Mar 24	21.7	21.7	21.7	21.7	21.6	21.6	21.6	21.7	21.7	21.8	21.7	21.7	21.5	21.4	21.4	21.5	21.5	21.5	21.7	21.8	21.8	21.8	21.8	21.8	21.4	21.8	21.7
Mar 25	21.7	21.8	21.7	21.7	21.7	21.8	21.7	21.7	21.6	21.7	21.6	21.6	21.4	21.5	21.4	21.4	21.3	21.4	21.6	21.7	21.8	21.7	21.8	21.8	21.3	21.8	21.6
Mar 26	21.8	21.7	21.7	21.8	21.8	21.7	21.7	21.7	21.8	21.7	21.6	21.6	21.6	22.0	22.4	22.6	22.9	23.0	22.9	22.5	22.0	21.6	21.8	21.7	21.6	23.0	22.0
Mar 27	21.8	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.7	21.4	21.6	21.5	21.5	21.6	21.6	21.6	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.4	21.8	21.7
Mar 28	21.7	21.7	21.8	21.8	21.7	21.8	21.7	21.7	21.8	21.8	21.8	21.8	21.7	21.7	21.7	21.7	21.7	21.8	21.7	21.8	21.8	21.8	21.7	21.7	21.7	21.8	21.7
Mar 29	21.6	21.6	21.6	21.5	21.5	21.5	21.5	21.6	21.7	21.7	21.8	21.6	21.7	21.5	21.6	21.6	21.7	21.7	21.7	21.8	21.8	21.8	21.7	21.7	21.5	21.8	21.6
Mar 30	21.7	21.7	21.7	21.6	21.7	21.6	21.6	21.7	21.7	21.7	21.7	21.5	21.6	21.7	21.8	21.9	22.1	22.2	22.1	21.7	21.8	21.8	21.8	21.8	21.5	22.2	21.8
Mar 31	21.8	21.7	21.8	21.8	21.7	21.8	21.7	21.7	21.5	21.7	22.1	22.3	22.7	23.0	23.1	23.4	23.7	24.0	24.2	24.0	23.8	23.7	23.7	23.6	21.5	24.2	22.7
Diurnal Maximum	25.2	24.7	23.9	23.0	22.5	22.3	22.1	22.0	22.3	22.9	23.7	24.6	25.3	24.8	24.7	24.8	25.2	25.5	25.6	25.3	25.1	25.4	25.5	25.4			
Diurnal Average	21.9	21.8	21.7	21.7	21.6	21.6	21.6	21.6	21.6	21.8	21.9	22.1	22.2	22.3	22.4	22.4	22.5	22.5	22.5	22.4	22.3	22.1	22.1	22.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

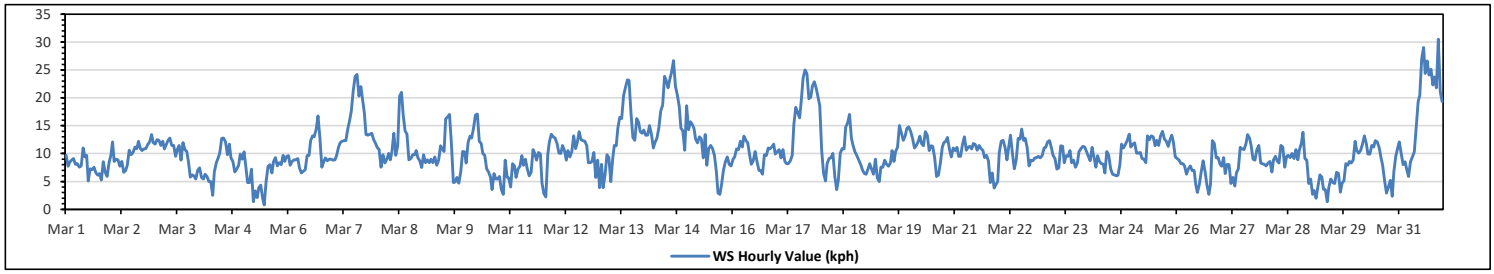
VECTOR WIND SPEED (VWS) in km/hr

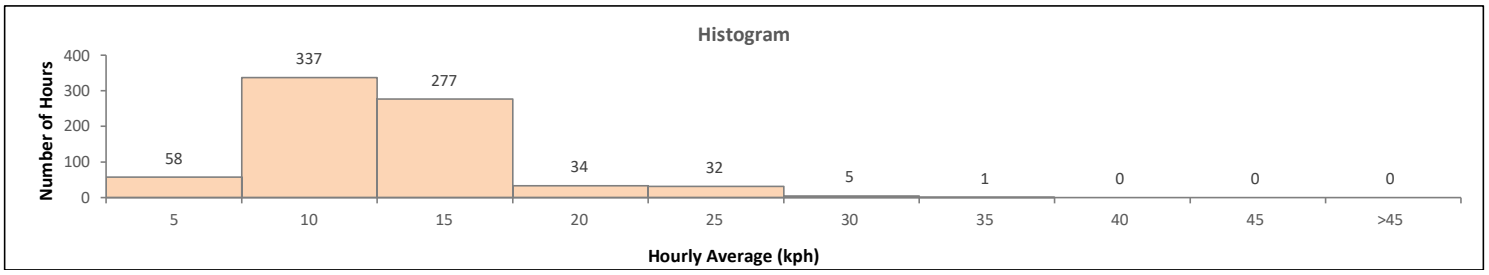
Maximum Hourly Value:	30.5	kph	on Mar 31 at hr 21	Hours in Service:	744	
Maximum Daily Value:	17.9	kph	on Mar 31	Hours of Data:	744	
Minimum Hourly Value:	0.8	kph	on Mar 5 at hr 11	Hours of Missing Data:	0	
Minimum Daily Value:	5.2	kph	on Mar 29	Hours of Calibration:	0	
Monthly Average:	2.6	kph		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	9.7	7.7	8.5	8.9	9.1	8.1	8.2	7.6	7.8	11.0	9.4	9.7	5.1	7.3	7.1	7.6	6.5	6.1	6.4	5.3	8.5	6.6	5.9	8.4	5.1	11.0	7.8
Mar 2	9.8	12.1	8.6	9.0	8.9	7.7	8.6	6.6	7.0	7.9	10.6	9.8	10.2	11.2	10.9	12.2	10.9	10.5	10.8	10.9	11.6	12.1	13.4	12.0	6.6	13.4	10.1
Mar 3	11.7	12.5	12.4	11.5	12.2	10.8	11.6	12.3	12.8	11.5	11.5	9.5	10.8	11.5	8.8	12.0	10.7	10.4	8.6	5.8	6.2	6.0	5.4	7.0	5.4	12.8	10.1
Mar 4	7.4	5.7	5.4	6.3	5.9	5.0	5.0	2.5	6.7	8.3	9.2	10.1	12.7	12.8	12.1	9.8	11.7	9.2	8.6	6.7	7.2	7.9	9.9	9.0	2.5	12.8	8.1
Mar 5	10.3	7.9	4.8	4.8	7.2	1.4	3.3	2.1	3.9	4.3	2.0	**0.8**	5.1	7.7	8.0	6.5	8.5	9.3	7.8	8.4	8.0	9.7	8.6	9.5	**0.8**	10.3	6.2
Mar 6	9.6	7.9	8.6	8.9	8.9	9.1	7.4	6.5	6.8	7.1	9.6	9.7	12.3	13.2	13.0	14.3	16.7	12.8	7.6	8.5	9.2	8.7	9.0	9.0	6.5	16.7	9.8
Mar 7	8.8	8.9	9.6	11.1	11.9	12.2	12.3	12.3	14.4	16.0	17.6	21.2	23.8	24.2	20.3	22.0	19.8	17.2	13.4	13.3	13.5	13.6	12.5	11.8	8.8	24.2	15.1
Mar 8	11.1	10.7	7.6	9.8	8.3	9.0	10.0	8.9	10.4	13.6	9.7	11.4	20.3	21.0	17.1	14.1	13.5	8.9	9.1	9.8	9.8	10.5	9.3	8.7	7.6	21.0	11.4
Mar 9	7.5	9.8	8.4	8.9	8.4	9.0	8.4	9.4	7.9	8.8	11.4	10.9	10.4	16.2	16.6	17.0	11.7	4.8	4.9	5.7	4.7	6.7	10.4	10.3	4.7	17.0	9.5
Mar 10	8.3	12.0	13.1	12.8	14.6	16.9	17.1	12.2	11.8	10.0	9.7	7.3	6.7	5.8	3.5	6.4	5.4	5.4	5.9	3.5	2.7	8.8	5.8	5.6	2.7	17.1	8.8
Mar 11	4.0	8.2	7.8	5.7	7.2	7.7	9.6	7.9	9.0	7.3	6.0	6.6	10.7	10.1	8.8	10.2	9.9	4.7	2.8	2.2	9.8	12.1	13.5	13.0	2.2	13.5	8.1
Mar 12	12.8	11.8	10.1	10.0	11.5	10.6	8.8	10.5	9.4	10.3	13.2	10.9	11.9	13.9	12.5	12.3	12.2	11.4	8.4	8.4	8.6	10.2	5.7	8.8	5.7	13.9	10.6
Mar 13	3.9	8.1	3.9	6.2	9.8	9.3	5.0	9.1	11.5	11.4	14.6	16.5	16.3	20.4	21.9	23.2	23.1	17.3	12.9	12.4	16.3	15.6	13.9	13.6	3.9	23.2	13.2
Mar 14	14.2	13.3	13.3	15.0	13.5	11.0	12.0	12.7	14.6	17.6	18.7	23.9	23.1	21.8	23.2	24.6	26.7	22.1	20.5	18.4	14.6	14.1	10.6	18.6	10.6	26.7	17.4
Mar 15	14.3	15.7	15.2	14.5	12.6	11.9	13.0	12.6	9.2	13.4	7.9	10.9	11.5	10.9	9.6	6.7	2.9	2.7	4.4	7.0	8.5	9.4	8.1	7.8	2.7	15.7	10.0
Mar 16	9.0	9.4	10.8	10.7	12.2	11.2	13.1	12.4	11.9	10.0	8.1	8.7	10.4	8.5	7.0	7.0	6.3	9.8	9.6	11.0	10.8	11.2	11.7	9.9	6.3	13.1	10.0
Mar 17	10.3	10.7	9.2	10.7	8.6	8.2	8.2	8.7	9.7	15.2	18.3	17.4	16.4	19.3	23.6	25.0	24.3	19.8	20.1	22.1	22.9	21.7	20.0	18.6	8.2	25.0	16.2
Mar 18	10.5	6.4	5.1	8.2	9.1	9.3	10.0	5.9	3.5	5.2	10.1	10.9	10.8	14.7	15.5	17.0	12.7	11.5	10.3	9.6	8.8	8.0	7.0	6.4	3.5	17.0	9.4
Mar 19	6.3	7.3	8.2	7.2	6.3	9.0	5.6	5.0	7.6	7.6	8.8	8.1	7.7	8.4	10.5	8.6	10.4	11.1	15.0	13.7	12.4	13.2	14.5	14.8	5.0	15.0	9.5
Mar 20	14.0	12.7	11.0	11.5	12.1	13.1	11.8	11.4	13.9	13.3	10.5	11.4	11.3	9.3	5.9	6.2	8.4	11.2	12.0	12.2	12.9	10.9	9.4	11.0	5.9	14.0	11.1
Mar 21	10.5	11.1	9.5	9.5	11.6	13.0	10.6	11.2	11.3	10.8	11.8	11.6	10.6	11.5	10.9	10.5	9.3	9.7	8.7	4.8	6.5	3.8	4.4	5.0	3.8	13.0	9.5
Mar 22	10.2	12.2	12.4	11.1	8.9	11.4	13.3	10.1	7.3	8.9	12.7	12.6	14.4	12.4	12.7	11.1	7.8	8.8	8.7	9.2	9.3	9.5	9.2	9.6	7.3	14.4	10.6
Mar 23	11.0	11.1	12.1	12.3	11.0	9.7	9.1	7.2	7.4	11.4	11.3	8.4	9.6	9.5	10.5	8.4	8.8	7.6	8.3	10.3	10.9	11.3	11.2	10.3	7.2	12.3	9.9
Mar 24	9.4	8.7	11.1	9.3	7.6	9.6	8.6	8.2	8.1	6.5	10.4	9.7	7.3	6.3	6.2	6.0	6.1	8.1	11.7	11.0	11.6	12.4	13.5	11.2	6.0	13.5	9.1
Mar 25	11.7	11.9	10.1	10.1	10.2	9.1	9.0	8.4	13.2	12.5	13.2	13.0	11.4	12.4	11.5	13.2	14.0	12.6	12.2	11.3	12.4	13.3	12.1	9.4	8.4	14.0	11.6
Mar 26	9.1	8.8	8.2	8.2	7.8	6.3	7.3	7.8	6.9	7.0	4.5	3.0	4.4	6.7	8.7	6.8	4.3	2.7	4.5	12.3	11.8	9.2	9.3	8.1	2.7	12.3	7.2
Mar 27	7.7	9.3	6.4	8.1	8.0	4.6	5.7	4.2	6.5	7.3	11.1	10.8	10.7	11.8	13.4	12.8	11.5	9.0	8.8	10.7	11.5	8.3	8.2	8.1	4.2	13.4	8.9
Mar 28	7.8	8.3	8.6	6.7	8.9	9.5	8.7	8.3	11.5	11.2	7.6	9.5	9.7	9.3	10.0	9.1	10.7	8.9	10.7	11.8	13.8	9.1	8.8	4.6	4.6	13.8	9.3
Mar 29	5.4	2.7	3.4	2.0	4.2	6.2	5.8	3.6	3.5	1.4	4.0	5.4	4.8	4.6	6.6	6.4	3.1	4.7	5.1	8.2	7.9	8.6	8.3	8.9	1.4	8.9	**5.2**
Mar 30	12.2	10.5	10.1	10.5	11.7	13.2	11.8	9.9	9.9	11.5	11.2	12.3	12.1	11.1	9.2	7.9	5.2	2.9	4.0	5.2	2.3	6.7	9.5	11.0	2.3	13.2	9.2
Mar 31	12.1	10.0	8.0	8.5	7.0	5.9	8.5	9.4	10.3	14.8	19.3	20.4	27.0	29.0	24.4	26.6	24.1	25.1	22.3	23.7	21.8	**30.5**	21.1	19.3	5.9	**30.5**	**17.9**
Diurnal Maximum	14.3	15.7	15.2	15.0	14.6	16.9	17.1	12.7	14.6	17.6	19.3	23.9	27.0	29.0	24.4	26.6	26.7	25.1	22.3	23.7	22.9	30.5	21.1	19.3			
Diurnal Average	9.7	9.8	9.1	9.3	9.5	9.3	9.3	8.5	9.2	10.1	10.8	11.0	11.9	12.7	12.3	12.3	11.5	10.2	9.8	10.1	10.5	11.0	10.3	10.3			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



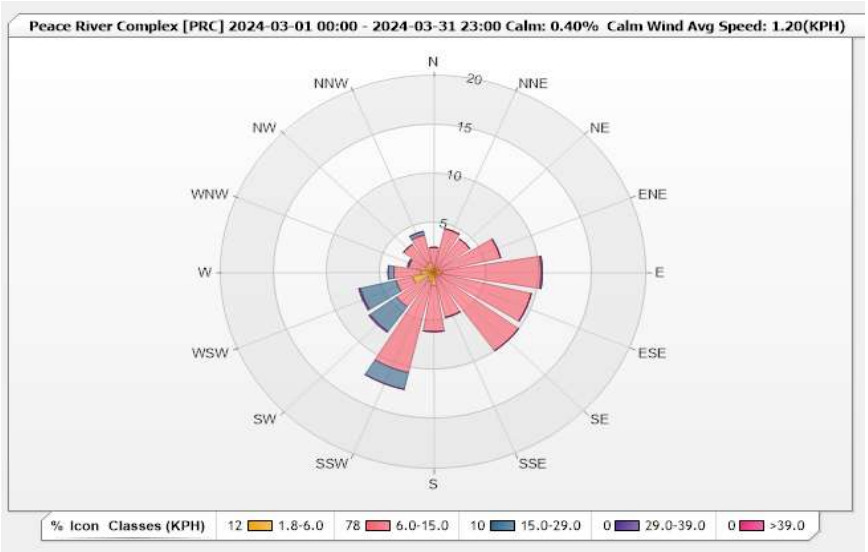


Station: Peace River Complex [PRC] Monitor: WDS [KPH] Monthly: 03-2024

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 0.40% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.4	2.15	0	0	0	2.55
NNE	0	4.57	0	0	0	4.57
NE	0.27	3.9	0	0	0	4.17
ENE	0.54	5.91	0	0	0	6.45
E	0.81	9.27	0.13	0	0	10.21
ESE	0.67	8.74	0	0	0	9.41
SE	0.4	9.41	0	0	0	9.81
SSE	0.27	4.44	0	0	0	4.71
S	1.34	4.7	0	0	0	6.04
SSW	0.94	9.54	1.75	0	0	12.23
SW	0.67	3.63	3.09	0.13	0	7.52
WSW	2.02	1.61	3.49	0.13	0	7.25
W	1.21	2.55	0.54	0	0	4.3
WNW	0.13	2.28	0.13	0	0	2.54
NW	0.94	2.55	0	0	0	3.49
NNW	1.08	2.82	0.4	0	0	4.3
Summary	11.69	78.07	9.53	0.26	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

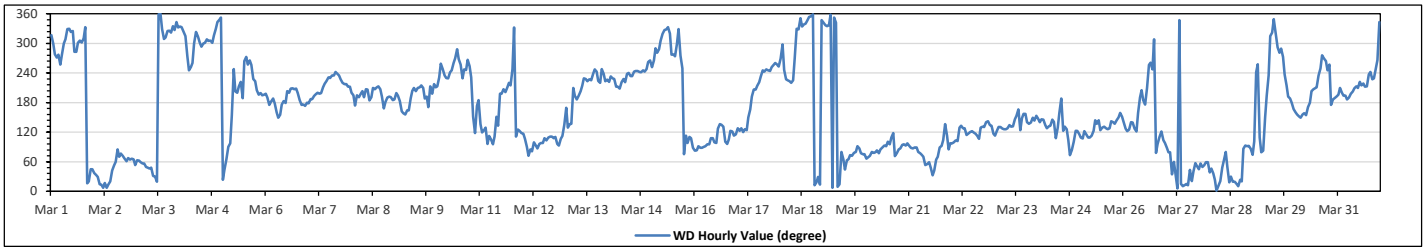
WIND DIRECTION (VWD) in sector

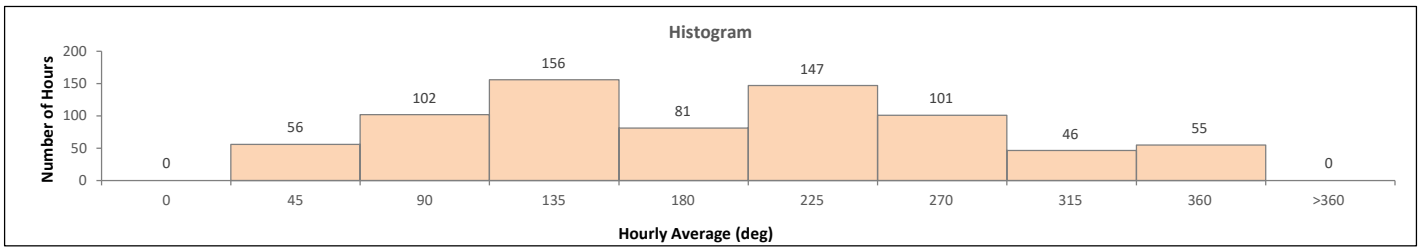
Monthly Average:	169 (SSE)	degree	
Hours in Service:	744		
Hours of Data:	744		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Mar 1	NW	WNW	W	W	W	WSW	W	WNW	NW	NNW	NNW	NW	NW	W	W	WNW	NW	WNW	NW	NNW	NNE	NNE	NE	NE	311	NW
Mar 2	NE	NNE	NNE	NNE	NNE	N	NNE	N	NNE	NNE	NE	NE	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	49	NE
Mar 3	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	N	N	NNW	NW	NW	NW	NW	NW	NNW	NW	NNW	NNW	17	NNE
Mar 4	NNW	NNW	NW	NW	W	WSW	WSW	WSW	WNW	NW	NW	WNW	WNW	WNW	WNW	NW	WNW	NW	WNW	NW	NNW	NNW	NNW	N	310	NW
Mar 5	NNE	NE	ENE	E	E	SSE	WSW	SSW	SSW	SSW	SW	S	W	W	WSW	W	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	218	SW
Mar 6	SSW	S	S	S	S	S	SSE	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	S	188	S
Mar 7	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	SW	SW	SW	SSW	SSW	219	SW
Mar 8	SSW	SSW	S	SSW	S	SSW	SSW	S	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	S	SSE	S	S	S	S	S	198	SSW
Mar 9	S	SSW	SSW	S	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	SSW	SSW	SW	SSW	195	SSW
Mar 10	SSW	SW	WSW	WSW	SW	SW	SW	WSW	WSW	WSW	W	WNW	W	WSW	SW	WSW	WSW	W	WSW	SW	SSE	ESE	S	S	239	WSW
Mar 11	SE	ESE	ESE	SE	E	ESE	ESE	E	ESE	SSE	SE	SSW	SSW	SSW	SSW	SSW	SW	SSW	WSW	NNW	ESE	SE	ESE	ESE	145	SE
Mar 12	ESE	ESE	E	ENE	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	ESE	ESE	SE	101	E
Mar 13	SSE	SE	SE	SE	SSW	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	WSW	WSW	SW	SW	WSW	SW	SW	SW	222	SW
Mar 14	SW	SW	SW	SW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	236	SW
Mar 15	WSW	W	WNW	W	WNW	NW	NW	NW	NNW	NNW	NW	W	W	W	WNW	NNW	W	WSW	ENE	ESE	E	ESE	ESE	E	299	WNW
Mar 16	E	E	E	E	E	E	E	E	E	ESE	ESE	E	E	SE	SE	SE	SE	E	E	ESE	ESE	ESE	ESE	ESE	103	ESE
Mar 17	SE	ESE	SE	ESE	SE	ESE	SSE	SSE	S	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	225	SW
Mar 18	W	WNW	WSW	SW	SW	SW	SW	SW	W	NNW	NNW	N	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	NNE	NNW	328	NNW
Mar 19	NNW	NNW	NNW	NNW	N	N	N	NNW	N	NNE	E	ENE	NE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	ENE	ENE	53	NE
Mar 20	ENE	ENE	ENE	E	ENE	ENE	E	ENE	E	E	E	E	E	E	ESE	ESE	ENE	ENE	E	E	E	E	E	E	85	E
Mar 21	E	E	E	E	E	E	ENE	ENE	ENE	NE	NE	ENE	NE	NNE	NE	ENE	ENE	E	E	ESE	SE	ESE	E	E	74	ENE
Mar 22	E	E	ESE	E	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	ESE	120	ESE
Mar 23	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	ESE	SE	SSE	SSE	SE	SE	SE	SSE	SE	SSE	137	SE
Mar 24	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	SE	SSE	S	ESE	SE	SE	ESE	ENE	E	E	ESE	ESE	ESE	126	SE
Mar 25	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	131	SE
Mar 26	SE	SE	ESE	SE	SE	SE	SE	ESE	SSE	S	SSW	S	S	SSW	WSW	W	WSW	NW	ENE	E	ESE	ESE	ESE	E	139	SE
Mar 27	E	ENE	ENE	NE	ENE	NE	N	NNW	NNE	N	NNE	NNE	NNE	NE	NNE	NE	ENE	NE	NE	NE	NE	NE	ENE	ENE	41	NE
Mar 28	NE	NE	NE	NNE	N	NNE	NNE	NE	ENE	E	NE	NNE	NNE	NNE	NNE	NNE	N	NNE	NNE	E	E	E	E	E	42	NE
Mar 29	ENE	E	WSW	WSW	ESE	ENE	E	SSE	SSW	SW	NW	NW	NNW	NW	WNW	W	WNW	W	SW	SSW	S	S	S	SSE	215	SSW
Mar 30	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SW	WSW	W	W	W	WSW	WSW	S	S	S	S	191	S
Mar 31	SSW	SSW	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SW	SSW	SW	SSW	SSW	SW	WSW	SW	SW	WSW	W	NNW	223	SW

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

Peace River Complex (PRC) Station - March 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	30.5	kph	on Mar 31 at hr 21	Hours in Service:	744
Maximum Daily Value:	17.9	kph	on Mar 31	Hours of Data:	744
Minimum Hourly Value:	0.8	kph	on Mar 5 at hr 11	Hours of Missing Data:	0
Minimum Daily Value:	5.2	kph	on Mar 29	Hours of Calibration:	0
Monthly Average:	2.6	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 169 degree (SSE)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	9.7	7.7	8.5	8.9	9.1	8.1	8.2	7.6	7.8	11.0	9.4	9.7	5.1	7.3	7.1	7.6	6.5	6.1	6.4	5.3	8.5	6.6	5.9	8.4	5.1	11.0	7.8
	NW	WNW	W	W	W	WSW	W	WNW	NW	NNW	NNW	NW	NW	W	W	WNW	NW	WNW	NW	NNW	NNE	NNE	NE	NE			311(NW)
Mar 2	9.8	12.1	8.6	9.0	8.9	7.7	8.6	6.6	7.0	7.9	10.6	9.8	10.2	11.2	10.9	12.2	10.9	10.5	10.8	10.9	11.6	12.1	13.4	12.0	6.6	13.4	10.1
	NE	NNE	NNE	NNE	NNE	N	NNE	N	NNE	NNE	NE	NE	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE			49(NE)
Mar 3	11.7	12.5	12.4	11.5	12.2	10.8	11.6	12.3	12.8	11.5	11.5	9.5	10.8	11.5	8.8	12.0	10.7	10.4	8.6	5.8	6.2	6.0	5.4	7.0	5.4	12.8	10.1
	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	N	N	NNW	NW	NW	NW	NW	NW	NNW	NW	NNW	NNW			17(NNE)
Mar 4	7.4	5.7	5.4	6.3	5.9	5.0	5.0	2.5	6.7	8.3	9.2	10.1	12.7	12.8	12.1	9.8	11.7	9.2	8.6	6.7	7.2	7.9	9.9	9.0	2.5	12.8	8.1
	NNW	NNW	NW	NW	W	WSW	WSW	WSW	WNW	NW	NW	WNW	WNW	WNW	WNW	NW	WNW	NW	WNW	NW	NNW	NNW	NNW	N			310(NW)
Mar 5	10.3	7.9	4.8	4.8	7.2	1.4	3.3	2.1	3.9	4.3	2.0	**0.8**	5.1	7.7	8.0	6.5	8.5	9.3	7.8	8.4	8.0	9.7	8.6	9.5	**0.8**	10.3	6.2
	NNE	NE	ENE	E	E	SSE	WSW	SSW	SSW	SSW	SW	S	W	W	WSW	W	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW			218(SW)
Mar 6	9.6	7.9	8.6	8.9	8.9	9.1	7.4	6.5	6.8	7.1	9.6	9.7	12.3	13.2	13.0	14.3	16.7	12.8	7.6	8.5	9.2	8.7	9.0	9.0	6.5	16.7	9.8
	SSW	S	S	S	S	S	SSE	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	S			188(S)
Mar 7	8.8	8.9	9.6	11.1	11.9	12.2	12.3	12.3	14.4	16.0	17.6	21.2	23.8	24.2	20.3	22.0	19.8	17.2	13.4	13.3	13.5	13.6	12.5	11.8	8.8	24.2	15.1
	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	SW	SW	SW	SSW	SSW			219(SW)
Mar 8	11.1	10.7	7.6	9.8	8.3	9.0	10.0	8.9	10.4	13.6	9.7	11.4	20.3	21.0	17.1	14.1	13.5	8.9	9.1	9.8	9.8	10.5	9.3	8.7	7.6	21.0	11.4
	SSW	SSW	S	SSW	S	SSW	SSW	S	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	S	SSE	S	S	S	S	S			198(SSW)
Mar 9	7.5	9.8	8.4	8.9	8.4	9.0	8.4	9.4	7.9	8.8	11.4	10.9	10.4	16.2	16.6	17.0	11.7	4.8	4.9	5.7	4.7	6.7	10.4	10.3	4.7	17.0	9.5
	S	SSW	SSW	S	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	SSW	SSW	SW	SSW			195(SSW)
Mar 10	8.3	12.0	13.1	12.8	14.6	16.9	17.1	12.2	11.8	10.0	9.7	7.3	6.7	5.8	3.5	6.4	5.4	5.4	5.9	3.5	2.7	8.8	5.8	5.6	2.7	17.1	8.8
	SSW	SW	WSW	WSW	SW	SW	SW	WSW	WSW	WSW	W	WNW	W	WSW	SW	WSW	WSW	W	WSW	SW	SSE	ESE	S	S			239(WSW)
Mar 11	4.0	8.2	7.8	5.7	7.2	7.7	9.6	7.9	9.0	7.3	6.0	6.6	10.7	10.1	8.8	10.2	9.9	4.7	2.8	2.2	9.8	12.1	13.5	13.0	2.2	13.5	8.1
	SE	ESE	ESE	SE	E	ESE	ESE	E	ESE	SSE	SE	SSW	SSW	SSW	SSW	SSW	SW	SSW	WSW	NNW	ESE	SE	ESE	ESE			145(SE)
Mar 12	12.8	11.8	10.1	10.0	11.5	10.6	8.8	10.5	9.4	10.3	13.2	10.9	11.9	13.9	12.5	12.3	12.2	11.4	8.4	8.4	8.6	10.2	5.7	8.8	5.7	13.9	10.6
	ESE	ESE	E	ENE	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	ESE	ESE	SE			101(E)
Mar 13	3.9	8.1	3.9	6.2	9.8	9.3	5.0	9.1	11.5	11.4	14.6	16.5	16.3	20.4	21.9	23.2	23.1	17.3	12.9	12.4	16.3	15.6	13.9	13.6	3.9	23.2	13.2
	SSE	SE	SE	SE	SSW	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	WSW	WSW	SW	SW	WSW	SW	SW	SW			222(SW)
Mar 14	14.2	13.3	13.3	15.0	13.5	11.0	12.0	12.7	14.6	17.6	18.7	23.9	23.1	21.8	23.2	24.6	26.7	22.1	20.5	18.4	14.6	14.1	10.6	18.6	10.6	26.7	17.4
	SW	SW	SW	SW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W			236(SW)
Mar 15	14.3	15.7	15.2	14.5	12.6	11.9	13.0	12.6	9.2	13.4	7.9	10.9	11.5	10.9	9.6	6.7	2.9	2.7	4.4	7.0	8.5	9.4	8.1	7.8	2.7	15.7	10.0
	WSW	W	WNW	W	WNW	NW	NW	NW	NNW	NNW	NW	W	W	W	WNW	NNW	W	WSW	ENE	ESE	E	ESE	ESE	E			299(WNW)
Mar 16	9.0	9.4	10.8	10.7	12.2	11.2	13.1	12.4	11.9	10.0	8.1	8.7	10.4	8.5	7.0	7.0	6.3	9.8	9.6	11.0	10.8	11.2	11.7	9.9	6.3	13.1	10.0
	E	E	E	E	E	E	E	E	E	ESE	ESE	E	E	SE	SE	SE	SE	E	E	ESE	ESE	ESE	ESE	ESE			103(ESE)
Mar 17	10.3	10.7	9.2	10.7	8.6	8.2	8.2	8.7	9.7	15.2	18.3	17.4	16.4	19.3	23.6	25.0	24.3	19.8	20.1	22.1	22.9	21.7	20.0	18.6	8.2	25.0	16.2
	SE	ESE	SE	ESE	SE	ESE	SSE	SSE	S	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW			225(SW)
Mar 18	10.5	6.4	5.1	8.2	9.1	9.3	10.0	5.9	3.5	5.2	10.1	10.9	10.8	14.7	15.5	17.0	12.7	11.5	10.3	9.6	8.8	8.0	7.0	6.4	3.5	17.0	9.4
	W	WNW	WSW	SW	SW	SW	SW	SW	W	NNW	NNW	N	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	NNE	NNW			328(NNW)
Mar 19	6.3	7.3	8.2	7.2	6.3	9.0	5.6	5.0	7.6	7.6	8.8	8.1	7.7	8.4	10.5	8.6	10.4	11.1	15.0	13.7	12.4	13.2	14.5	14.8	5.0	15.0	9.5
	NNW	NNW	NNW	NNW	N	N	N	NNW	N	NNE	E	ENE	NE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	ENE	ENE			53(NE)
Mar 20	14.0	12.7	11.0	11.5	12.1	13.1	11.8	11.4	13.9	13.3	10.5	11.4	11.3	9.3	5.9	6.2	8.4	11.2	12.0	12.2	12.9	10.9	9.4	11.0	5.9	14.0	11.1
	ENE	ENE	ENE	E	ENE	ENE	E	ENE	E	E	E	E	E	E	ESE	ESE	ENE	ENE	E	E	E	E	E	E			85(E)
Mar 21	10.5	11.1	9.5	9.5	11.6	13.0	10.6	11.2	11.3	10.8	11.8	11.6	10.6	11.5	10.9	10.5	9.3	9.7	8.7	4.8	6.5	3.8	4.4	5.0	3.8	13.0	9.5
	E	E	E	E	E	E	ENE	ENE	ENE	NE	NE	ENE	NE	NNE	NE	ENE	ENE	E	E	ESE	SE	ESE	E	E			74(ENE)
Mar 22	10.2	12.2	12.4	11.1	8.9	11.4	13.3	10.1	7.3	8.9	12.7	12.6	14.4	12.4	12.7	11.1	7.8	8.8	8.7	9.2	9.3	9.5	9.2	9.6	7.3	14.4	10.6
	E	E	ESE	E	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	ESE			120(ESE)
Mar 23	11.0	11.1	12.1	12.3	11.0	9.7	9.1	7.2	7.4	11.4	11.3	8.4	9.6	9.5	10.5	8.4	8.8	7.6	8.3	10.3	10.9	11.3	11.2	10.3	7.2	12.3	9.9
	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	ESE	SE	SSE	SSE	SE	SE	SE	SSE	SE	SSE			137(SE)
Mar 24	9.4	8.7	11.1	9.3	7.6	9.6	8.6	8.2	8.1	6.5	10.4	9.7	7.3	6.3	6.2	6.0	6.1	8.1	11.7	11.0	11.6	12.4	13.5	11.2	6.0	13.5	9.1
	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	SE	SSE	S	ESE	SE	SE	ESE	ENE	E	E	ESE	ESE	ESE			126(SE)
Mar 25	11.7	11.9	10.1	10.1	10.2	9.1	9.0	8.4	13.2	12.5	13.2	13.0	11.4	12.4	11.5	13.2	14.0	12.6	12.2	11.3	12.4	13.3	12.1	9.4	8.4	14.0	11.6
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE			131(SE)
Mar 26	9.1	8.8	8.2	8.2	7.8	6.3	7.3	7.8	6.9	7.0	4.5	3.0	4.4	6.7	8.7	6.8	4.3	2.7	4.5	12.3	11.8	9.2	9.3	8.1	2.7	12.3	7.2
	SE	SE	ESE	SE	SE	SE	SE	ESE	SSE	S	SSW	S	S	SSW	WSW	W	WSW	NW	ENE	E	ESE	ESE	ESE	E			139(SE)
Mar 27	7.7	9.3	6.4	8.1	8.0	4.6	5.7	4.2	6.5	7.3	11.1	10.8	10.7	11.8	13.4	12.8	11.5	9.0	8.8	10.7	11.5	8.3	8.2	8.1	4.2	13.4	8.9
	E	ENE	ENE	NE	ENE	NE	N	NNW	NNE	N	NNE	NNE	NNE	NE	NNE	NE	ENE	NE	NE	NE	NE	NE	ENE	ENE			41(NE)
Mar 28	7.8	8.3	8.6	6.7	8.9	9.5	8.7	8.3	11.5	11.2	7.6	9.5	9.7	9.3	10.0	9.1	10.7	8.9	10.7	11.8	13.8	9.1	8.8	4.6	4.6	13.8	9.3
	NE	NE	NE	NNE	N	NNE	NNE	NE	ENE	E	NE	NNE	NNE	NNE	NNE	NNE	N	NNE	NNE	E	E	E	E	E			42(NE)
Mar 29	5.4	2.7	3.4	2.0	4.2	6.2	5.8	3.6	3.5	1.4	4.0	5.4	4.8	4.6	6.6	6.4	3.1	4.7	5.1	8.2	7.9	8.6	8.3	8.9	1.4	8.9	**5.2**
	ENE	E	WSW	WSW	ESE	ENE	E	SSE	SSW	SW	NW	NW	NNW	NW	WNW	W	WNW	W	SW	SSW	S	S	S	SSE			215(SSW)
Mar 30	12.2	10.5	10.1	10.5	11.7	13.2	11.8	9.9	9.9	11.5	11.2	12.3	12.1	11.1	9.2	7.9	5.2	2.9	4.0	5.2	2.3	6.7	9.5	11.0	2.3	13.2	9.2
	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SW	WSW	W	W	W	WSW	WSW	S	S	S	S			191(S)
Mar 31	12.1	10.0	8.0	8.5	7.0	5.9	8.5	9.4	10.3	14.8	19.3	20.4	27.0	29.0	24.4	26.6	24.1	25.1	22.3	23.7	21.8	**30.5**	21.1	19.3	5.9	**30.5**	**17.9**
	SSW	SSW	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SW	SSW	SW	SSW	SSW	SW	WSW	SW	SW	WSW	W	NNW			223(SW)

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance		
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)				

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

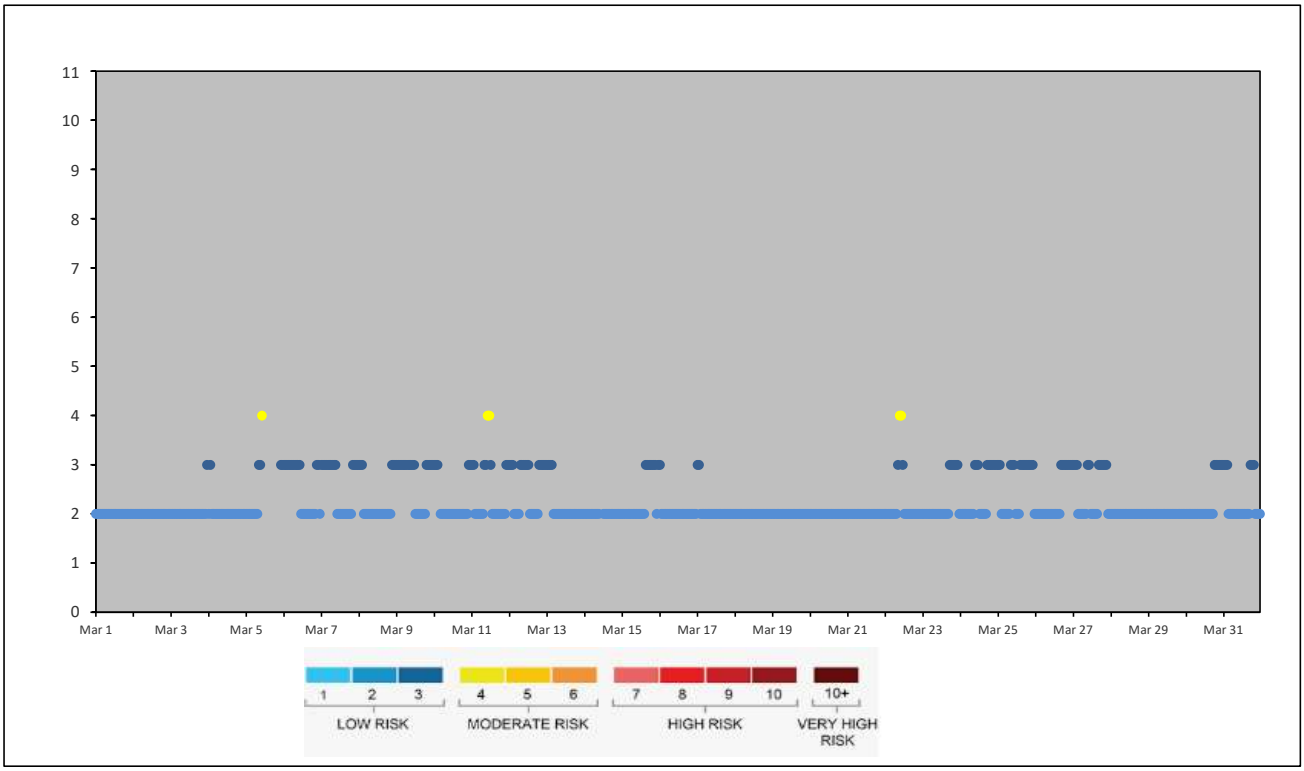
AQHI GRIMSHAW STATION

LAKELAND INDUSTRY & COMMUNITY ASSOCIATION

AQHI - Grimshaw Station - March 2024

AIR QUALITY HEALTH INDEX

Day	Hourly Period Starting at (MST)																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mar 1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
Mar 4	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 5	2	2	2	2	2	2	2	2	3	3	4												3	3
Mar 6	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	3	3	2
Mar 7	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3
Mar 8	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
Mar 9	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3
Mar 10	3	3	3		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
Mar 11	3	3	2	2	2	2	2	2	3	3	4	4	3	2	2	2	2	2	2	2	2	2	3	3
Mar 12	3	3	3	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3
Mar 13	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 14	2	2	2	2	2	2	2	2	2	2			2	2	2	2	2	2	2	2	2	2	2	2
Mar 15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	3
Mar 16	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 17	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 22	2	2	2	2	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2
Mar 23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2
Mar 24	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3
Mar 25	3	3	2	2	2	2	2	2	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	2
Mar 26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
Mar 27	3	3	3	2	2	2	2	2	2	3	3	2	2	2	2	2	3	3	3	3	3	3	2	2
Mar 28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mar 30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
Mar 31	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

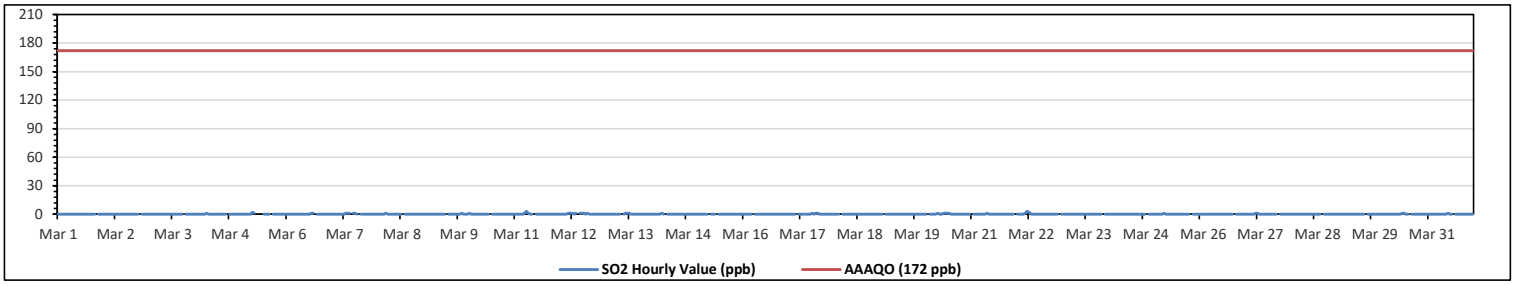
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

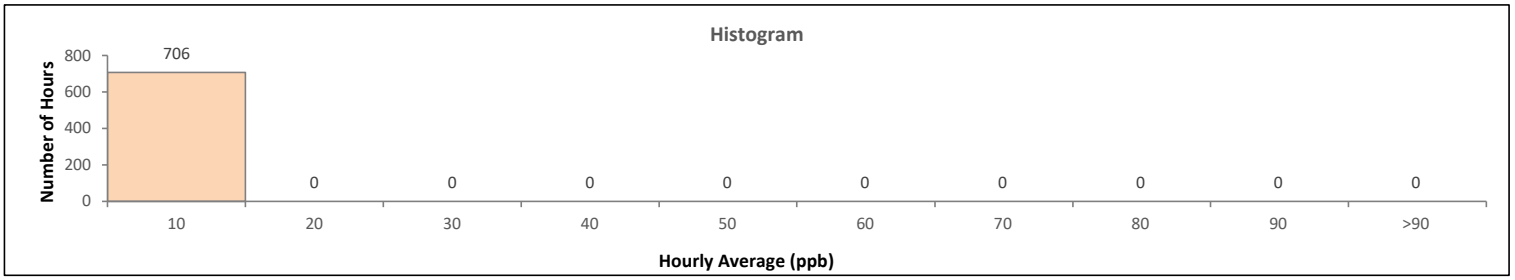
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	3	ppb	on Mar 11 at hr 6	Hours in Service:	744	
Maximum Daily Value:	0.3	ppb	on Mar 12	Hours of Data:	706	
Minimum Hourly Value:	0	ppb	on Mar 1 at hr 0	Hours of Missing Data:	2	
Minimum Daily Value:	0.0	ppb	on Mar 1	Hours of Calibration:	36	
Monthly Average:	0.1	ppb		Operational Uptime:	99.7	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Mar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Mar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Mar 4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0.0
Mar 5	0	0	0	0	0	0	2	1	C	C	C	C	0	0	0	0	S	0	0	0	0	0	0	0	0	2	0.2
Mar 6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	S	0	0	0	0	0	0	0	0	0	1	0.1
Mar 7	0	0	0	0	0	0	0	1	1	1	K	1	1	0	S	0	0	0	0	0	0	0	0	0	0	1	0.2
Mar 8	0	0	0	0	1	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Mar 9	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0	0	0	0	1	0.0
Mar 10	1	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Mar 11	0	0	0	0	0	1	3	1	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.2
Mar 12	0	0	0	0	1	1	1	0	1	S	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0.3
Mar 13	0	0	0	0	0	0	0	0	S	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 14	0	0	0	0	0	1	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Mar 15	0	0	0	0	0	0	S	0	0	0	K	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 16	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 17	0	0	0	0	S	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0.1
Mar 18	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 19	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mar 20	0	S	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
Mar 21	S	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0.0
Mar 22	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	3	0.3
Mar 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Mar 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Mar 25	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0.0
Mar 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Mar 27	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0.1
Mar 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Mar 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Mar 30	0	0	0	0	0	0	0	0	0	0	1	1	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 31	0	0	0	0	0	0	0	0	0	0	1	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Diurnal Maximum	1	0	0	0	1	3	3	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0			
Diurnal Average	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.1	0.1	0.1	0.2	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



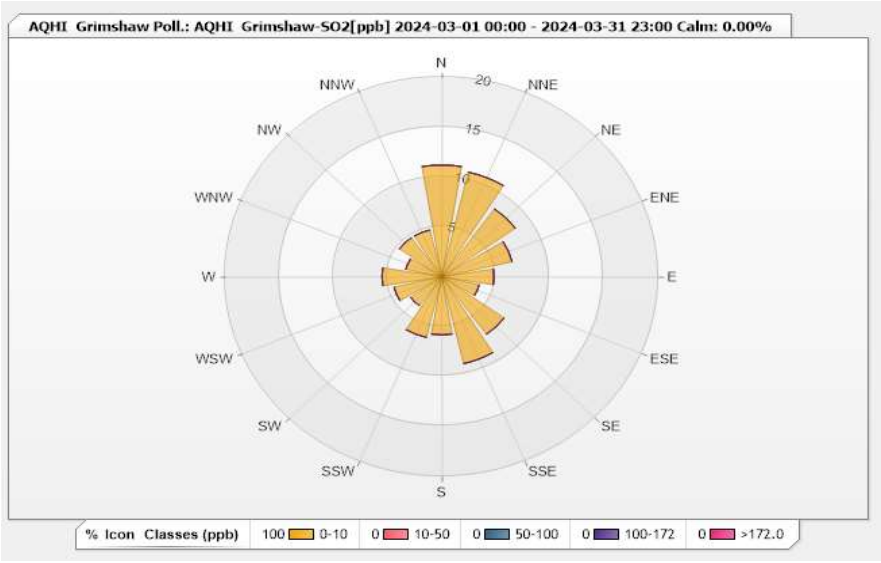


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-SO2[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	11.19	0	0	0	0	11.19
NNE	10.76	0	0	0	0	10.76
NE	8.36	0	0	0	0	8.36
ENE	6.66	0	0	0	0	6.66
E	4.82	0	0	0	0	4.82
ESE	3.54	0	0	0	0	3.54
SE	7.08	0	0	0	0	7.08
SSE	8.92	0	0	0	0	8.92
S	5.81	0	0	0	0	5.81
SSW	6.23	0	0	0	0	6.23
SW	3.54	0	0	0	0	3.54
WSW	4.53	0	0	0	0	4.53
W	5.52	0	0	0	0	5.52
WNW	3.4	0	0	0	0	3.4
NW	4.82	0	0	0	0	4.82
NNW	4.82	0	0	0	0	4.82
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

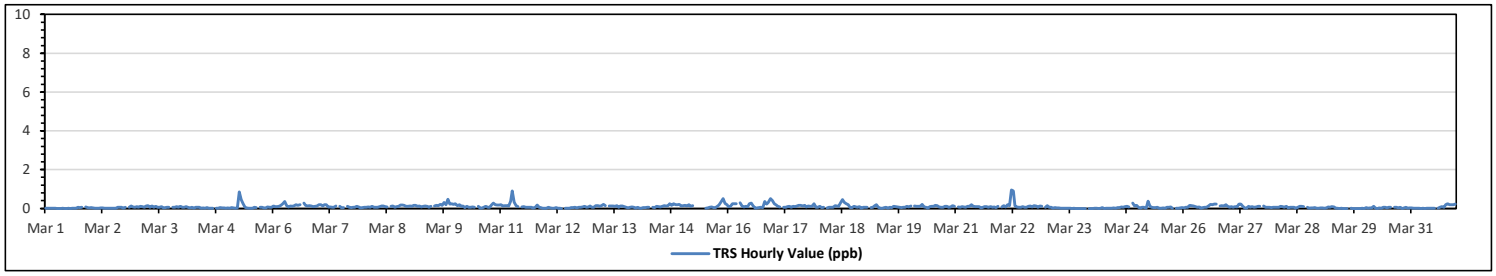
TOTAL REDUCED SULPHUR (TRS) in ppb

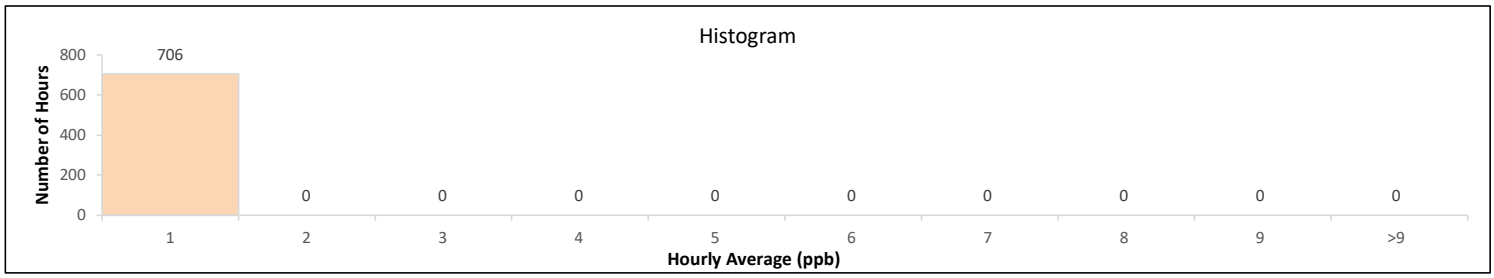
Maximum Hourly Value:	0.95	ppb	on Mar 22 at hr 5	Hours in Service:	744
Maximum Daily Value:	0.18	ppb	on Mar 16	Hours of Data:	706
Minimum Hourly Value:	0.00	ppb	on Mar 1 at hr 6	Hours of Missing Data:	1
Minimum Daily Value:	0.02	ppb	on Mar 1	Hours of Calibration:	37
Monthly Average:	0.09	ppb		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0	0.01	0	0	0.01	0	0.01	0.01	0.02	0.05	0.04	0.05	S	0.08	0.04	0.03	0.00	0.08	0.02
Mar 2	0.04	0.03	0.01	0.01	0.01	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.06	0.05	0.07	0.02	0.06	S	0.06	0.12	0.08	0.07	0.01	0.12	0.04
Mar 3	0.09	0.05	0.1	0.09	0.07	0.12	0.14	0.06	0.12	0.05	0.11	0.06	0.07	0.09	0.03	0.04	0.07	0.06	S	0.05	0.06	0.09	0.06	0.1	0.03	0.14	0.08
Mar 4	0.05	0.07	0.09	0.05	0.03	0.05	0.02	0.05	0.05	0.05	0.02	0.03	0.02	0.04	0.02	0.02	0.02	S	0.02	0.02	0.04	0.03	0.03	0.02	0.02	0.09	0.04
Mar 5	0.03	0.02	0.04	0.03	0.01	0.03	0.85	0.45	0.23	0.05	0.03	0.01	0.02	0.02	0.05	0.04	S	0.07	0.07	0.03	0.03	0.08	0.06	0.07	0.01	0.85	0.10
Mar 6	0.12	0.09	0.09	0.1	0.16	0.25	0.35	0.14	0.08	0.12	0.1	0.15	0.2	0.16	0.19	S	0.27	0.16	0.13	0.14	0.12	0.09	0.11	0.13	0.08	0.35	0.15
Mar 7	0.19	0.19	0.12	0.18	0.18	0.08	0.08	0.07	0.06	0.12	K	0.11	0.03	0.04	S	0.1	0.07	0.04	0.06	0.05	0.1	0.08	0.03	0.04	0.03	0.19	0.09
Mar 8	0.05	0.06	0.08	0.05	0.1	0.07	0.07	0.06	0.09	0.13	0.13	0.09	0.08	S	0.11	0.13	0.07	0.09	0.1	0.17	0.17	0.16	0.1	0.11	0.05	0.17	0.10
Mar 9	0.12	0.1	0.16	0.16	0.1	0.13	0.08	0.11	0.12	0.1	0.06	0.1	S	0.13	0.16	0.15	0.21	0.16	0.3	0.19	0.48	0.22	0.23	0.21	0.06	0.48	0.16
Mar 10	0.24	0.14	0.2	0.1	0.13	0.04	0.1	0.07	0.06	0.08	0.05	S	0.11	0.02	0.03	0.05	0.1	0.05	0.07	0.17	0.27	0.19	0.17	0.17	0.02	0.27	0.11
Mar 11	0.19	0.13	0.15	0.14	0.13	0.38	0.9	0.33	0.14	0.09	S	0.08	0.09	0.06	0.05	0.07	0.05	0.01	0.07	0.17	0.05	0.04	0.01	0.02	0.01	0.90	0.15
Mar 12	0.02	0.06	0.03	0.01	0.01	0.04	0.02	0.02	0	S	0.01	0.01	0.02	0.04	0.04	0.06	0.03	0.06	0.05	0.08	0.1	0.07	0.08	0.12	0.00	0.12	0.04
Mar 13	0.07	0.07	0.15	0.14	0.1	0.14	0.21	0.14	S	0.13	0.12	0.12	0.1	0.14	0.06	0.12	0.12	0.09	0.06	0.03	0.05	0.08	0.05	0.01	0.01	0.21	0.10
Mar 14	0.06	0.01	0.02	0.04	0.04	0.05	0.05	S	0.05	0.04	0.11	0.09	0.08	0.1	0.14	0.13	0.15	0.23	0.16	0.23	0.19	0.19	0.21	0.13	0.01	0.23	0.11
Mar 15	0.14	0.16	0.13	0.18	0.11	0.14	S	C	C	C	C	C	0.02	0.03	0.07	0.08	0.04	0.04	0.11	0.17	0.33	0.5	0.26	0.2	0.02	0.50	0.15
Mar 16	0.09	0.1	0.24	0.24	0.24	S	0.29	0.12	0.08	0.1	0.09	0.24	0.27	0.13	0.02	0.03	0.04	0.06	0.04	0.36	0.22	0.31	0.5	0.4	0.02	0.50	**0.18**
Mar 17	0.25	0.17	0.11	0.08	S	0.06	0.06	0.09	0.1	0.07	0.1	0.09	0.13	0.16	0.16	0.12	0.16	0.08	0.12	0.1	0.1	0.25	0.06	0.06	0.06	0.25	0.12
Mar 18	0.11	0.04	0.06	S	0.03	0.05	0.06	0.07	0.15	0.13	0.11	0.29	0.46	0.31	0.25	0.19	0.04	0.04	0.11	0.08	0.05	0.09	0.02	0.07	0.02	0.46	0.12
Mar 19	0.06	0.05	S	0.04	0.07	0.15	0.18	0.06	0.02	0.02	0.04	0.07	0.02	0.06	0.04	0.11	0.09	0.08	0.06	0.04	0.07	0.06	0.1	0.08	0.02	0.18	0.07
Mar 20	0.13	S	0.12	0.11	0.1	0.11	0.21	0.08	0.06	0.02	0.09	0.11	0.1	0.16	0.15	0.08	0.05	0.07	0.1	0.11	0.07	0.08	0.14	0.1	0.02	0.21	0.10
Mar 21	S	0.08	0.06	0.09	0.08	0.05	0.11	0.11	0.19	0.1	0.09	0.09	0.09	0.03	0.07	0.09	0.09	0.06	0.09	0.06	0.08	0.04	0.1	S	0.03	0.19	0.08
Mar 22	0.08	0.14	0.08	0.18	0.15	**0.95**	0.91	0.12	0.08	0.05	0.05	0.09	0.05	0.07	0.11	0.13	0.08	0.15	0.12	0.07	0.13	0.1	S	0.07	0.05	**0.95**	0.17
Mar 23	0.14	0.06	0.07	0.02	0.04	0.03	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0	0.02	0	0	0	0	0	0	S	0	0	0.00	0.14	0.02
Mar 24	0	0.01	0.02	0	0.01	0.04	0	0.01	0.01	0.02	0.01	0.03	0.02	0.04	0.04	0.08	0.05	0.09	0.11	0.08	S	0.28	0.13	0.16	0.00	0.28	0.05
Mar 25	0.06	0.02	0.05	0.05	0.02	0.37	0.1	0.05	0.04	0.04	0.06	0.01	0.01	0.03	0.02	0.07	0.05	0.08	0.02	S	0.02	0.02	0.03	0.04	0.01	0.37	0.05
Mar 26	0.03	0.07	0.06	0.16	0.14	0.13	0.09	0.06	0.08	0.01	0.04	0.05	0.07	0.15	0.21	0.19	0.22	0.22	S	0.12	0.14	0.13	0.2	0.11	0.01	0.22	0.12
Mar 27	0.06	0.09	0.05	0.09	0.08	0.22	0.22	0.1	0.03	0.02	0.1	0.06	0.09	0.07	0.08	0.1	0.11	S	0.13	0.07	0.06	0.07	0.04	0.06	0.02	0.22	0.09
Mar 28	0.06	0.05	0.06	0.1	0.09	0.06	0.11	0.03	0.05	0.06	0.05	0.02	0.05	0.11	0.11	0.09	S	0.06	0.02	0.03	0.03	0.04	0.02	0.01	0.01	0.11	0.06
Mar 29	0.03	0.03	0.02	0.03	0.08	0.06	0.09	0.08	0.01	0.01	0	0.02	0	0	0	S	0.02	0	0	0	0	0	0.01	0	0.00	0.09	0.02
Mar 30	0.04	0.01	0.03	0.03	0.1	0.01	0	0.03	0.02	0.05	0.05	0.03	0.07	0.07	S	0.06	0.05	0.03	0.06	0	0.03	0.05	0.01	0.03	0.00	0.10	0.04
Mar 31	0.03	0.01	0.01	0.01	0.02	0	0.01	0	0.01	0.01	0.01	0.01	0.01	S	0.02	0.06	0.09	0.06	0.2	0.25	0.18	0.19	0.19	0.22	0.00	0.25	0.07
Diurnal Maximum	0.25	0.19	0.24	0.24	0.24	0.95	0.91	0.45	0.23	0.13	0.13	0.29	0.46	0.31	0.25	0.19	0.27	0.23	0.30	0.36	0.48	0.50	0.50	0.40			
Diurnal Average	0.09	0.07	0.08	0.08	0.08	0.13	0.18	0.09	0.07	0.06	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.10	0.11	0.12	0.10	0.09			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



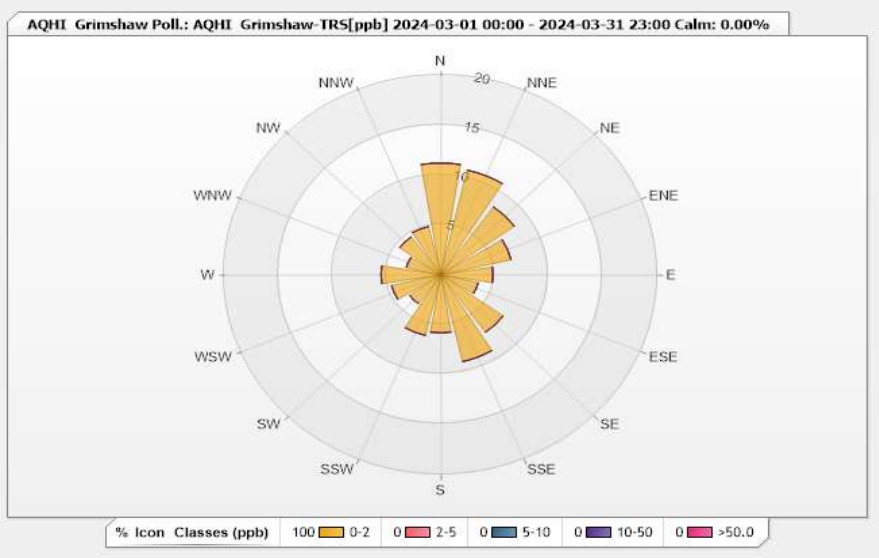


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-TRS[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	11.19	0	0	0	0	11.19
NNE	10.76	0	0	0	0	10.76
NE	8.36	0	0	0	0	8.36
ENE	6.66	0	0	0	0	6.66
E	4.82	0	0	0	0	4.82
ESE	3.54	0	0	0	0	3.54
SE	7.08	0	0	0	0	7.08
SSE	8.92	0	0	0	0	8.92
S	5.81	0	0	0	0	5.81
SSW	6.23	0	0	0	0	6.23
SW	3.54	0	0	0	0	3.54
WSW	4.67	0	0	0	0	4.67
W	5.52	0	0	0	0	5.52
WNW	3.26	0	0	0	0	3.26
NW	4.67	0	0	0	0	4.67
NNW	4.96	0	0	0	0	4.96
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

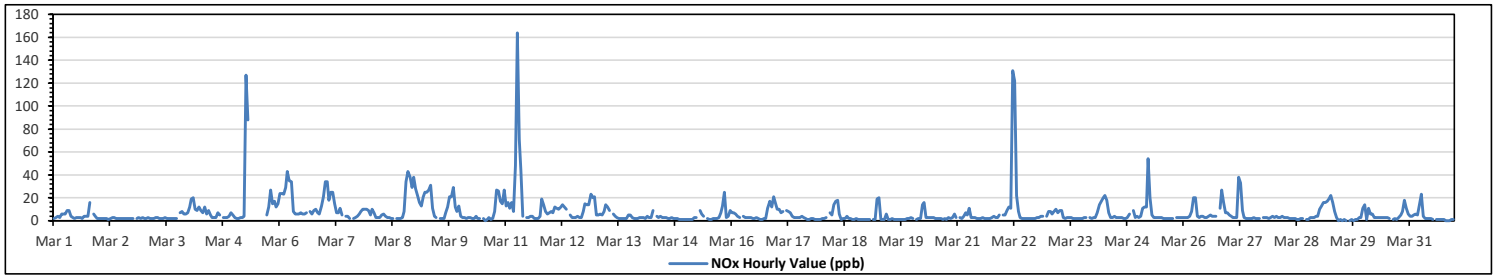
OXIDES OF NITROGEN (NOx) in ppb

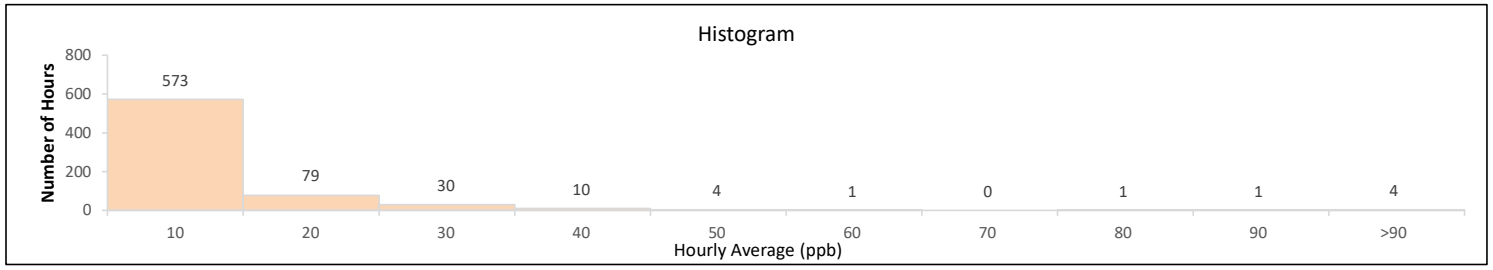
Maximum Hourly Value:	164	ppb	on Mar 11 at hr 6	Hours in Service:	744
Maximum Daily Value:	20.6	ppb	on Mar 11	Hours of Data:	703
Minimum Hourly Value:	0	ppb	on Mar 10 at hr 13	Hours of Missing Data:	2
Minimum Daily Value:	2.1	ppb	on Mar 2	Hours of Calibration:	39
Monthly Average:	7.3	ppb		Operational Uptime:	99.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	2	3	4	3	6	6	6	9	9	4	3	2	3	3	3	2	4	4	4	16	S	6	4	2	2	16	4.7
Mar 2	2	2	2	2	2	1	2	3	3	2	2	2	2	2	2	2	2	2	2	S	2	3	2	3	1	3	2.1
Mar 3	2	2	3	2	2	2	3	3	2	2	2	3	2	2	2	2	2	2	S	7	8	6	6	7	2	8	3.2
Mar 4	12	19	20	10	9	12	9	7	12	6	9	5	3	3	3	7	5	S	3	3	3	4	7	5	3	20	7.7
Mar 5	3	2	2	3	3	4	127	88	C	C	C	C	C	C	C	5	S	5	12	27	15	17	12	15	2	127	NA
Mar 6	24	24	23	29	43	35	34	8	6	6	6	7	6	6	7	S	8	6	9	10	7	6	13	21	6	43	15.0
Mar 7	34	34	18	25	25	15	7	7	11	5	K	4	4	2	S	2	3	4	6	8	10	10	10	9	2	34	11.5
Mar 8	5	10	7	3	3	3	5	6	4	3	3	2	2	S	2	2	2	3	8	34	43	38	29	38	2	43	11.1
Mar 9	28	22	16	13	21	25	25	27	31	11	4	3	S	2	2	2	7	12	21	21	29	12	8	13	2	31	15.4
Mar 10	4	3	3	2	3	3	2	2	4	2	2	S	2	0	1	3	1	2	8	27	26	17	15	27	0	27	6.9
Mar 11	13	16	11	16	8	48	164	71	44	4	S	3	3	4	4	2	2	2	4	19	14	8	6	7	2	164	20.6
Mar 12	8	7	12	11	10	12	14	12	10	S	5	3	3	3	4	3	3	8	15	14	14	23	20	21	3	23	10.2
Mar 13	5	5	6	5	8	14	12	9	S	6	4	3	2	2	2	2	2	5	5	3	2	2	2	3	2	14	4.7
Mar 14	3	3	2	4	3	3	9	S	4	3	4	3	3	3	2	2	3	2	2	2	1	1	1	1	1	9	2.8
Mar 15	1	1	1	1	3	3	S	9	6	4	K	2	1	1	2	2	2	3	7	13	25	3	4	9	1	25	4.7
Mar 16	7	7	6	4	3	S	4	3	3	3	3	2	2	3	2	1	1	2	2	11	17	12	21	16	1	21	5.9
Mar 17	10	10	7	8	S	9	8	7	4	3	3	3	3	4	3	2	1	1	2	2	1	1	1	1	1	10	4.1
Mar 18	2	2	3	S	7	5	14	17	18	6	1	2	2	4	2	2	1	1	2	1	1	1	1	1	1	18	4.2
Mar 19	1	1	S	1	1	19	20	1	1	1	6	1	1	2	1	1	1	1	1	1	1	2	2	3	1	20	3.0
Mar 20	2	S	1	2	2	14	16	3	3	3	3	3	2	2	2	2	1	2	1	3	2	3	6	3	1	16	3.5
Mar 21	S	3	2	4	7	5	11	3	3	3	2	2	2	3	2	2	2	2	3	4	3	3	5	S	2	11	3.5
Mar 22	5	5	9	12	11	131	122	22	8	3	2	2	2	2	2	2	2	2	3	3	4	4	S	4	2	131	15.7
Mar 23	8	8	6	8	10	7	9	9	3	2	3	3	3	2	2	2	2	2	2	3	3	S	3	2	2	10	4.4
Mar 24	3	3	7	14	17	20	22	18	7	3	3	4	3	3	3	3	2	2	3	6	S	9	3	4	2	22	7.0
Mar 25	3	4	11	12	12	54	20	5	3	3	3	3	3	2	2	2	2	2	2	S	3	3	3	3	2	54	7.0
Mar 26	3	3	3	4	8	20	20	4	3	4	4	3	3	4	5	4	4	4	S	11	27	16	7	7	3	27	7.4
Mar 27	5	4	3	3	3	38	33	9	3	2	2	2	2	3	2	2	2	S	3	3	3	2	3	4	2	38	5.9
Mar 28	3	4	3	3	4	3	3	3	2	2	2	2	1	1	2	2	S	1	1	3	3	3	4	4	1	4	2.6
Mar 29	10	13	16	16	17	19	22	16	8	3	0	1	0	1	0	S	0	1	0	1	1	3	3	11	0	22	7.0
Mar 30	14	1	11	6	6	3	3	3	3	3	3	3	3	2	S	1	2	1	3	5	8	18	11	6	1	18	5.2
Mar 31	4	4	5	6	5	14	23	4	2	2	2	2	1	S	1	1	1	1	1	0	0	0	1	1	0	23	3.5
Diurnal Maximum	34	34	23	29	43	131	164	88	44	11	9	7	6	6	7	7	8	12	21	34	43	38	29	38			
Diurnal Average	7.5	7.5	7.4	7.7	8.7	18.2	25.6	12.9	7.6	3.6	3.2	2.8	2.4	2.5	2.4	2.3	2.4	2.9	4.7	9.0	9.5	7.9	7.1	8.4			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



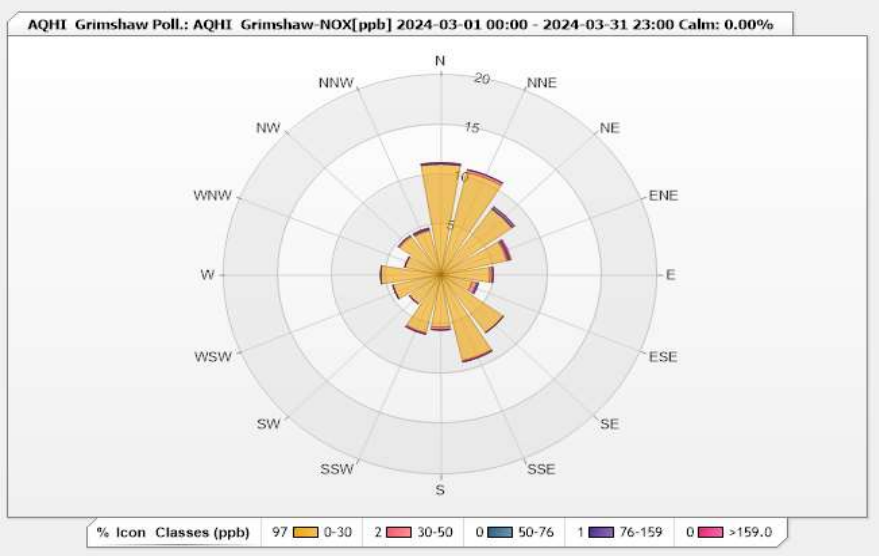


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NOX[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.49% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	11.1	0	0	0.14	0	11.24
NNE	10.53	0.28	0	0	0	10.81
NE	8.11	0	0	0.28	0	8.39
ENE	6.26	0.14	0.14	0	0.14	6.68
E	4.55	0.28	0	0	0	4.83
ESE	2.99	0.43	0.14	0	0	3.56
SE	7.11	0	0	0	0	7.11
SSE	8.82	0.14	0	0	0	8.96
S	5.26	0.28	0	0	0	5.54
SSW	5.97	0.14	0	0	0	6.11
SW	3.56	0	0	0	0	3.56
WSW	4.55	0	0	0	0	4.55
W	5.55	0	0	0	0	5.55
WNW	3.41	0	0	0	0	3.41
NW	4.69	0.14	0	0	0	4.83
NNW	4.55	0.14	0	0.14	0	4.83
Summary	97.01	1.97	0.28	0.56	0.14	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

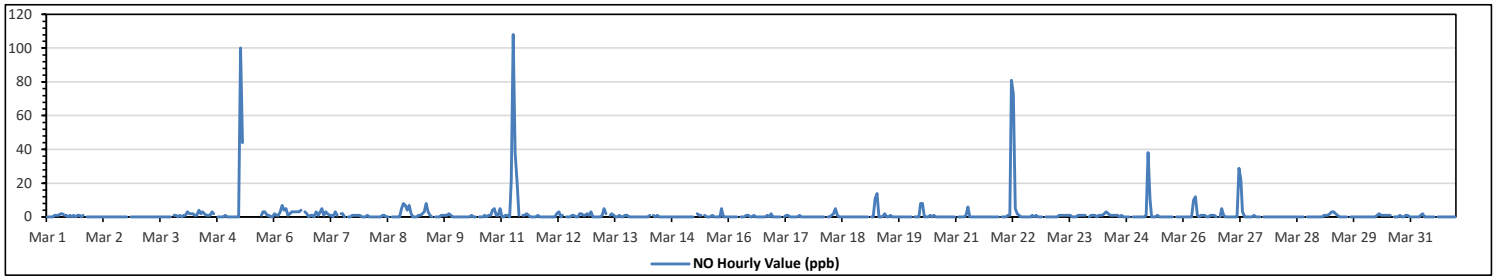
NITRIC OXIDE (NO) in ppb

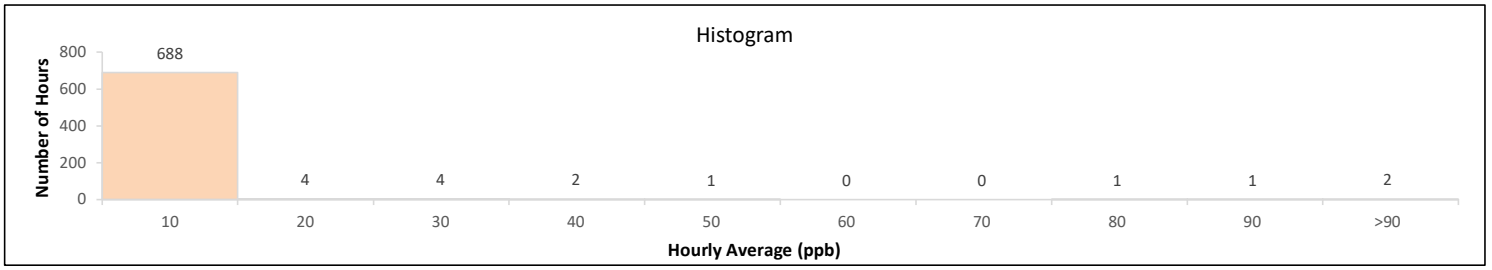
Maximum Hourly Value:	108	ppb	on Mar 11 at hr 6	Hours in Service:	744
Maximum Daily Value:	8.6	ppb	on Mar 11	Hours of Data:	703
Minimum Hourly Value:	0	ppb	on Mar 1 at hr 0	Hours of Missing Data:	2
Minimum Daily Value:	0.0	ppb	on Mar 2	Hours of Calibration:	39
Monthly Average:	1.5	ppb		Operational Uptime:	99.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0	0	0	0	1	1	1	2	2	1	1	0	1	0	1	0	1	1	0	1	S	0	0	0	0	2	0.6
Mar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Mar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	1	0	1	0	0	1	0.1
Mar 4	1	1	3	2	2	2	1	1	4	2	3	2	1	1	1	3	2	S	0	0	0	0	1	0	0	4	1.4
Mar 5	0	0	0	0	0	0	100	44	C	C	C	C	C	C	C	2	S	1	3	3	1	1	0	0	0	100	NA
Mar 6	2	1	1	3	7	4	5	1	2	3	3	3	3	3	4	S	3	2	0	1	1	0	3	1	0	7	2.4
Mar 7	3	5	1	3	2	1	1	0	3	1	K	2	2	0	S	0	0	1	1	1	1	1	0	0	0	5	1.3
Mar 8	0	1	0	0	0	0	0	0	0	1	1	0	0	S	0	0	0	0	0	5	8	7	4	7	0	8	1.5
Mar 9	2	0	0	0	1	1	2	3	8	3	1	0	S	0	0	0	1	1	1	1	2	1	0	0	0	8	1.2
Mar 10	0	0	0	0	0	0	0	0	1	0	0	S	0	0	0	1	0	1	1	4	5	1	1	5	0	5	0.9
Mar 11	0	0	1	1	0	22	**108**	38	21	1	S	1	1	2	1	0	0	0	0	1	0	0	0	0	0	**108**	**8.6**
Mar 12	0	0	0	0	0	2	3	0	1	S	0	0	0	1	1	0	0	2	2	1	1	2	1	3	0	3	0.9
Mar 13	0	0	0	0	0	1	5	2	S	1	2	1	0	0	1	0	0	1	1	0	0	0	0	0	0	5	0.7
Mar 14	0	0	0	0	0	0	1	S	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 15	0	0	0	0	0	0	S	2	1	1	K	1	0	0	0	1	0	0	0	0	5	0	0	0	0	5	0.5
Mar 16	0	0	0	0	0	S	0	0	0	1	1	0	0	1	0	0	0	0	0	0	1	0	2	0	0	2	0.3
Mar 17	0	0	0	0	S	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Mar 18	0	0	0	S	0	0	1	2	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.4
Mar 19	0	0	S	0	0	11	14	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	14	1.2
Mar 20	0	S	0	0	0	8	8	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	8	0.8
Mar 21	S	0	0	0	0	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	6	0.3
Mar 22	0	0	0	1	1	81	73	5	2	1	0	0	0	0	0	0	1	0	1	0	0	0	S	0	0	81	7.2
Mar 23	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	S	0	1	0	1	0.6
Mar 24	1	1	0	1	1	1	2	3	2	1	1	1	1	1	0	1	0	0	0	0	S	0	0	0	0	3	0.8
Mar 25	0	0	0	0	1	38	11	0	0	0	1	0	0	0	0	0	0	0	0	S	0	0	0	0	0	38	2.2
Mar 26	0	0	0	0	0	10	12	1	0	1	1	1	0	0	1	1	1	0	S	0	5	1	0	0	0	12	1.5
Mar 27	0	0	0	0	0	29	22	3	0	0	0	0	0	1	0	0	0	S	0	0	0	0	0	0	0	29	2.4
Mar 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Mar 29	0	0	1	1	1	2	3	3	2	1	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	3	0.6
Mar 30	0	0	0	0	0	0	1	2	1	1	1	1	1	1	S	0	0	0	1	0	0	1	1	0	0	2	0.5
Mar 31	0	0	0	0	0	1	2	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	2	0.1
Diurnal Maximum	3	5	3	3	7	81	108	44	21	3	3	3	3	3	4	3	3	2	3	5	8	7	4	7			
Diurnal Average	0.3	0.3	0.2	0.4	0.6	7.2	12.8	3.8	2.0	0.8	0.8	0.5	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.7	1.1	0.5	0.5	0.6			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



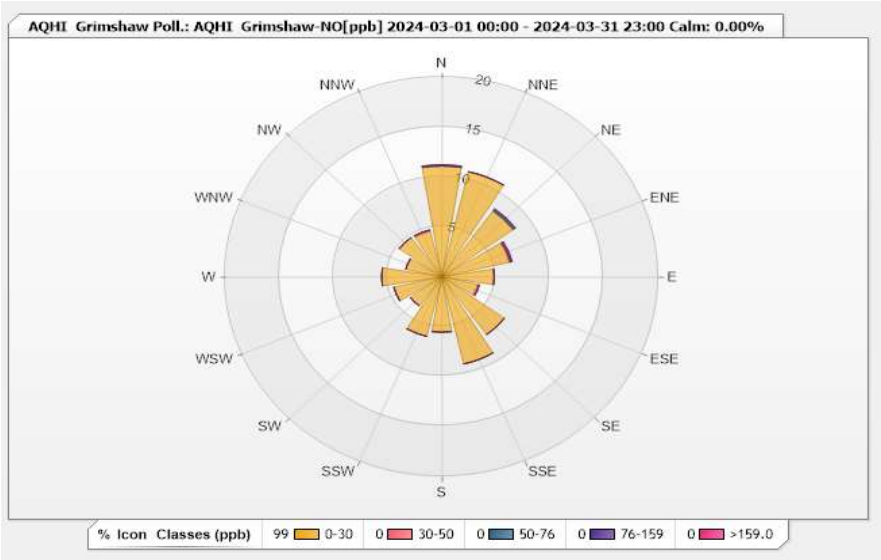


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.49% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	11.1	0	0	0.14	0	11.24
NNE	10.81	0	0	0	0	10.81
NE	8.11	0	0.14	0.14	0	8.39
ENE	6.4	0.14	0	0.14	0	6.68
E	4.84	0	0	0	0	4.84
ESE	3.41	0.14	0	0	0	3.55
SE	7.11	0	0	0	0	7.11
SSE	8.96	0	0	0	0	8.96
S	5.55	0	0	0	0	5.55
SSW	6.12	0	0	0	0	6.12
SW	3.56	0	0	0	0	3.56
WSW	4.55	0	0	0	0	4.55
W	5.55	0	0	0	0	5.55
WNW	3.41	0	0	0	0	3.41
NW	4.84	0	0	0	0	4.84
NNW	4.69	0.14	0	0	0	4.83
Summary	99.01	0.42	0.14	0.42	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

NITROGEN DIOXIDE (NO_2) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 159 ppb

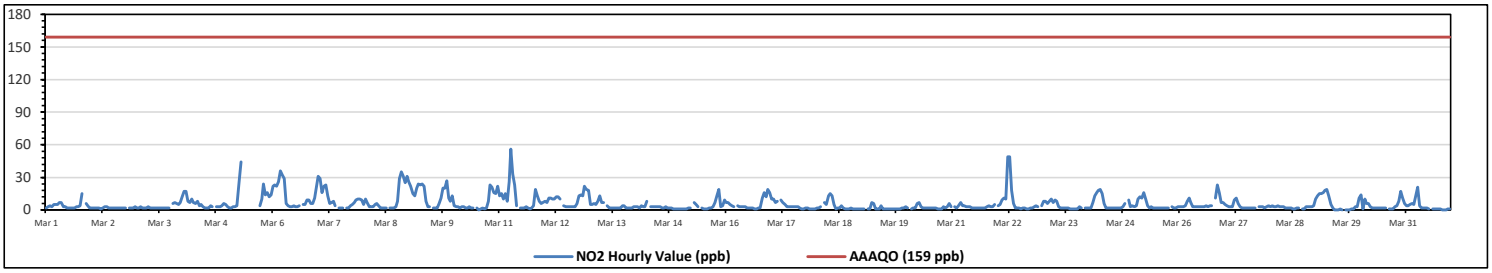
Number of 1-Hour Exceedances: 0

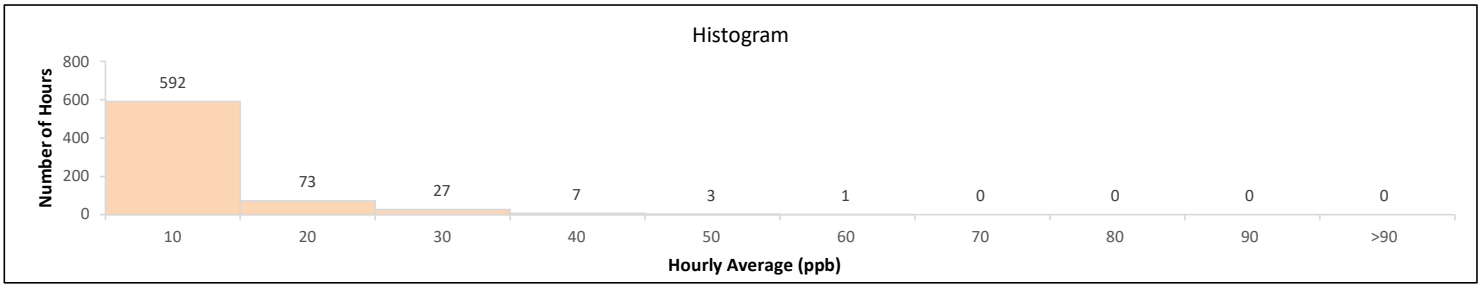
Maximum Hourly Value:	56 ppb	on Mar 11 at hr 6	Hours in Service:	744
Maximum Daily Value:	14.1 ppb	on Mar 9	Hours of Data:	703
Minimum Hourly Value:	0 ppb	on Mar 10 at hr 13	Hours of Missing Data:	2
Minimum Daily Value:	1.8 ppb	on Mar 19	Hours of Calibration:	39
Monthly Average:	5.8 ppb		Operational Uptime:	99.7

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	2	3	4	3	5	5	5	7	7	3	3	2	2	2	2	2	3	3	4	15	S	6	4	2	2	15	4.1
Mar 2	2	2	2	2	2	1	2	3	3	2	2	2	2	2	2	2	2	2	2	S	2	2	2	3	1	3	2.1
Mar 3	2	2	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	S	6	7	6	5	7	2	7	3.0
Mar 4	12	17	17	8	7	10	7	6	8	4	5	3	2	2	2	4	3	S	3	3	3	4	6	5	2	17	6.1
Mar 5	3	2	2	3	3	4	26	44	C	C	C	C	C	C	C	3	S	4	10	24	14	16	12	14	2	44	NA
Mar 6	22	23	22	26	36	32	29	6	4	3	3	4	3	3	4	S	5	5	9	9	6	6	11	20	3	36	12.7
Mar 7	31	29	16	22	23	13	6	7	8	4	K	2	2	2	S	2	2	4	5	7	9	10	10	9	2	31	10.1
Mar 8	5	10	7	3	3	3	5	6	4	2	2	2	2	S	2	2	2	3	8	29	35	31	25	31	2	35	9.7
Mar 9	26	22	15	13	20	24	23	24	22	8	3	3	S	2	2	2	6	11	20	20	27	11	8	13	2	27	**14.1**
Mar 10	4	3	3	2	3	3	2	2	3	2	2	S	2	0	1	2	1	2	8	23	21	16	15	22	**0**	23	6.2
Mar 11	13	15	10	15	8	26	**56**	33	23	4	S	2	2	2	3	2	1	2	4	19	13	8	6	7	1	**56**	11.9
Mar 12	8	7	11	11	10	10	12	12	10	S	4	3	3	3	3	3	3	6	13	14	13	22	19	18	3	22	9.5
Mar 13	5	5	6	5	8	13	7	7	S	4	2	2	2	2	2	2	2	4	4	2	2	2	2	3	2	13	4.0
Mar 14	3	3	2	4	3	3	8	S	3	3	3	3	3	3	2	2	3	2	2	2	1	1	1	1	1	8	2.7
Mar 15	1	1	1	1	2	2	S	7	5	3	K	2	1	1	1	2	2	3	7	13	19	3	4	9	1	19	4.1
Mar 16	7	7	5	4	3	S	4	3	3	3	3	2	2	2	2	1	1	2	2	11	16	12	19	16	1	19	5.7
Mar 17	10	10	7	8	S	9	7	5	3	3	3	3	3	3	3	2	1	1	2	2	1	1	1	1	1	10	3.9
Mar 18	2	2	3	S	7	5	13	15	13	5	1	2	2	4	2	1	1	1	2	1	1	1	1	1	1	15	3.7
Mar 19	1	1	S	1	1	7	6	1	1	1	4	1	1	1	1	1	1	1	1	1	1	2	2	3	1	7	**1.8**
Mar 20	2	S	1	2	2	6	7	3	2	2	2	2	2	2	2	2	1	1	1	3	2	3	6	3	1	7	2.6
Mar 21	S	3	2	4	7	4	4	3	3	3	2	2	2	2	2	2	2	2	3	4	3	3	5	S	2	7	3.0
Mar 22	4	5	9	11	10	49	49	18	6	2	2	2	1	2	2	1	1	2	2	3	4	3	S	4	1	49	8.3
Mar 23	8	8	6	8	10	7	9	8	3	2	2	2	2	2	1	1	1	1	1	3	2	S	2	2	1	10	4.0
Mar 24	2	2	7	13	16	18	19	15	6	2	2	2	2	2	2	2	2	2	3	6	S	9	3	4	2	19	6.1
Mar 25	3	4	10	12	11	16	10	4	2	3	2	2	2	2	2	2	2	2	2	S	3	2	2	3	2	16	4.5
Mar 26	3	3	3	4	8	11	7	3	3	3	3	3	3	3	4	3	4	4	S	11	23	16	7	7	3	23	6.0
Mar 27	5	4	3	3	3	9	11	6	3	2	2	2	2	2	2	2	2	S	3	3	3	2	3	4	2	11	3.5
Mar 28	3	4	3	3	4	3	3	3	2	2	2	2	1	1	2	2	S	1	1	3	3	3	3	4	1	4	2.5
Mar 29	10	13	15	15	16	18	19	13	5	2	0	0	0	1	0	S	0	0	0	1	1	3	3	11	**0**	19	6.3
Mar 30	14	1	10	6	6	3	2	2	2	2	2	2	2	2	S	1	1	1	3	4	8	17	11	6	1	17	4.7
Mar 31	4	4	5	6	5	13	21	4	2	2	2	2	1	S	1	1	1	1	1	0	0	0	1	1	**0**	21	3.4
Diurnal Maximum	31	29	22	26	36	49	56	44	23	8	5	4	3	4	4	4	6	11	20	29	35	31	25	31			
Diurnal Average	7.2	7.2	7.0	7.3	8.1	11.0	12.7	9.1	5.6	2.9	2.4	2.2	1.9	2.0	2.0	1.9	2.0	2.6	4.3	8.3	8.4	7.4	6.6	7.8			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



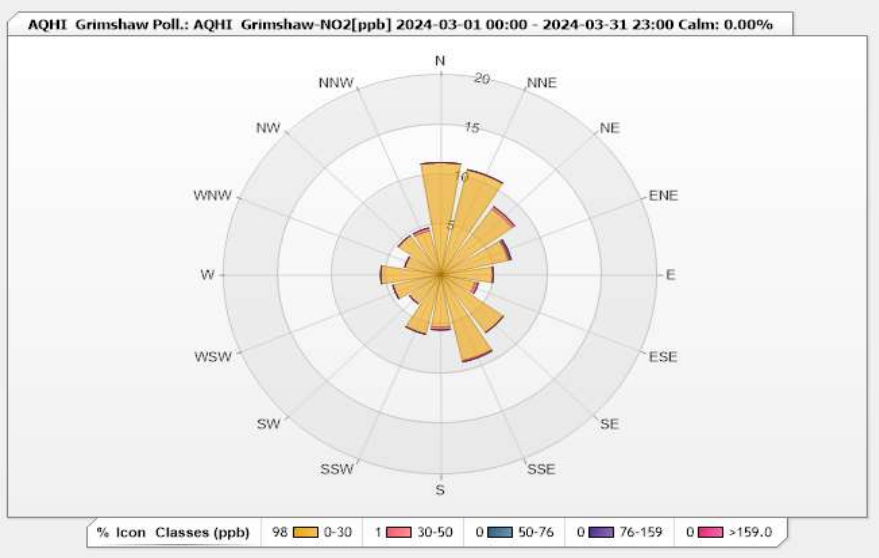


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO2[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.49% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	11.24	0	0	0	0	11.24
NNE	10.81	0	0	0	0	10.81
NE	8.11	0.28	0	0	0	8.39
ENE	6.4	0.14	0.14	0	0	6.68
E	4.84	0	0	0	0	4.84
ESE	3.27	0.28	0	0	0	3.55
SE	7.11	0	0	0	0	7.11
SSE	8.82	0.14	0	0	0	8.96
S	5.26	0.28	0	0	0	5.54
SSW	6.12	0	0	0	0	6.12
SW	3.56	0	0	0	0	3.56
WSW	4.55	0	0	0	0	4.55
W	5.55	0	0	0	0	5.55
WNW	3.41	0	0	0	0	3.41
NW	4.84	0	0	0	0	4.84
NNW	4.55	0.28	0	0	0	4.83
Summary	98.44	1.4	0.14	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

OZONE (O_3) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 76 ppb

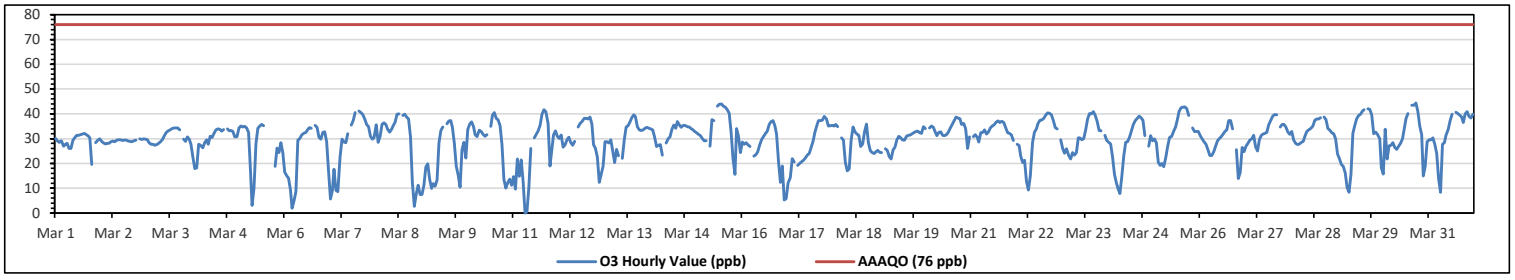
Number of 1-Hour Exceedances: 0

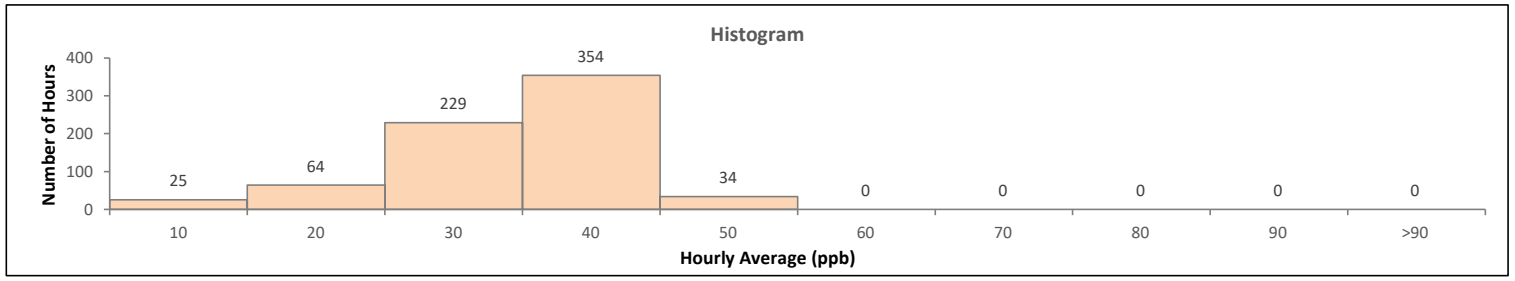
Maximum Hourly Value:	44.4	ppb	on Mar 30 at hr 17	Hours in Service:	744	
Maximum Daily Value:	33.9	ppb	on Mar 20	Hours of Data:	706	
Minimum Hourly Value:	0.0	ppb	on Mar 11 at hr 6	Hours of Missing Data:	2	
Minimum Daily Value:	22.0	ppb	on Mar 9	Hours of Calibration:	36	
Monthly Average:	29.6	ppb		Operational Uptime:	99.7	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	30.1	29	28.5	29.2	27	27.7	28	26	26	29.3	30.4	31.3	31.3	31.6	31.9	32.1	31.6	31.1	30.3	19.6	S	28.4	29.4	29.9	19.6	32.1	29.1
Mar 2	28.9	28.2	27.9	28	28.1	28.8	29	28.8	29.4	29.6	29.5	29.3	29.4	29.4	29	28.9	28.8	29.1	29.4	S	30	29.7	29.9	29.8	27.9	30.0	29.1
Mar 3	29.6	28.4	27.8	27.8	27.4	27.6	28	28.8	29.7	31.2	32.5	33.2	33.5	34.1	34.3	34.3	34.3	33.6	S	29.8	28.9	30.7	29.7	27.7	27.4	34.3	30.6
Mar 4	22.6	17.9	18.1	27.8	27.3	26.3	28.4	29.5	27.8	30.9	30.4	32.1	33.5	33.9	33.8	33	33.7	S	33.9	33.2	33.3	32.9	30.7	30.8	17.9	33.9	29.6
Mar 5	34.3	35	34.7	34.9	34.3	32.4	19.8	3.1	10.1	27.8	34.2	35	35.7	35.2	C	C	C	C	C	18.8	26.1	24.4	28.3	24.4	3.1	35.7	27.8
Mar 6	16.5	15.1	14	9.2	2	4.9	8.6	29.4	30.1	31.5	32.1	32.5	33.7	34.4	34.2	S	35.3	34.5	30.6	29.8	32.5	32.7	28.8	16.9	2.0	35.3	24.8
Mar 7	5.7	9.1	17.6	9.1	8.6	22.7	29.8	28.6	28.4	32	K	35.5	37.3	40.6	S	41.1	40.6	39.7	38	35.7	34.8	30.9	29.8	30.2	5.7	41.1	28.4
Mar 8	35.6	28.5	30.8	35.7	36.4	35.8	33.7	32.6	33.8	35.2	36.6	39.9	40	S	39.3	39.9	38.7	37.9	30.8	12.1	2.7	7.7	11.1	7.4	2.7	40.0	29.7
Mar 9	7.5	11.1	18.5	19.8	13.5	9.9	11.8	10.8	13.2	28.2	33.3	34.6	S	36	37.1	37.2	34.5	28.2	19	15.3	10.4	25.6	28.5	22.2	7.5	37.2	**22.0**
Mar 10	33.7	35.9	36.7	34.8	31.6	30.8	33.4	32.8	31.7	31	31.6	S	34.9	39.3	40.6	38.2	37.5	35.2	27.5	13.5	10	12.3	13.6	11.2	10.0	40.6	29.5
Mar 11	14.7	9.6	21.7	14.9	21.5	12.8	0	0.5	10.4	26	S	30.3	31.8	33.1	35.4	39.9	41.7	40.8	36.1	19	24.7	31.5	33.1	30.9	**0.0**	41.7	24.4
Mar 12	30.1	31.5	26.5	27.5	29.5	30.6	28.4	27.4	28.9	S	34.6	36.1	36.9	38.2	38.2	38	38.7	35.9	27.6	26	22.5	12.4	15.6	19	12.4	38.7	29.6
Mar 13	28.7	28.8	28.2	29.5	25	20.4	25.7	23.1	S	22	29.4	34.6	35.2	36.7	38.6	39.6	38.8	34.8	33.6	33.3	33.6	34.2	34.5	34.2	20.4	39.6	31.4
Mar 14	34	33.6	30.5	26.8	27.4	27.6	23.4	S	28.2	29.9	30.7	33.8	35.5	34.2	36.9	35.6	34.5	35.3	35.4	34.8	34.6	34.1	33.6	32.8	23.4	36.9	32.3
Mar 15	32.3	31.7	31.2	30.1	29.2	29.1	S	27	37.6	37.2	K	43.1	43.9	44	43.1	42.8	41.7	40.3	32.4	21.7	15.6	34.1	30.9	24.4	15.6	44.0	33.8
Mar 16	28.6	27.8	28.4	27.5	26.8	S	23	23.5	24.6	27.3	29.5	30.8	32	33	35.7	36.9	37.3	35	31.8	21	12.4	19	5.3	5.8	5.3	37.3	26.2
Mar 17	12.1	14.3	21.9	20.6	S	19.3	19.9	20.6	21.3	22.2	23.3	24	26.4	28.9	32.6	35.4	37.2	37.2	37.4	38.9	38	35.1	35.2	35.4	12.1	38.9	27.7
Mar 18	35	35.7	34.8	S	30.2	29.4	20.3	17.1	17.8	29.3	34.7	32.7	31.9	31.4	26.8	27.9	32.7	35.9	28.3	25.1	24.4	23.9	24.7	25.3	17.1	35.9	28.5
Mar 19	24.5	24.3	S	25.9	25.3	22.8	21.7	25.4	26.6	29.5	31	30.3	29.4	29.4	30.9	31.3	31.5	32	32.4	32.9	33	32.3	32.1	34.8	21.7	34.8	29.1
Mar 20	34.1	S	34.3	35	34.5	32.6	31.2	32.5	32.7	31.3	31.2	31.6	32.6	34.3	35.8	37.3	38.7	38.4	38.1	35.8	36.1	33.9	26	30.7	26.0	38.7	**33.9**
Mar 21	S	30.8	31.6	30.6	28.6	32.3	32.4	33.6	31.9	32.6	34.3	35.1	35.6	36.6	37.1	36.5	37	36.5	34.4	32.3	32.1	31.5	29.3	S	28.6	37.1	33.3
Mar 22	27.8	27.2	22.9	20.4	21.3	12.8	9.3	15	28.5	32.6	33.9	36.2	37.4	37.5	38.2	39.5	40.4	40.3	39.6	37.2	34.4	34	S	29.6	9.3	40.4	30.3
Mar 23	26	24.1	25.9	23.2	21.7	24.4	23.3	24.3	30.2	30.2	29.5	30.1	33.6	37.9	40.2	40	40.8	39.3	36.8	33.3	33.1	S	31.4	29.3	21.7	40.8	30.8
Mar 24	28.5	27.9	22.6	15.5	12.1	9.5	7.9	14.9	23	28.5	28.7	30.5	33.1	35.8	37.3	38.4	39	38.5	37.4	31.2	S	26.9	31.2	29.2	7.9	39.0	27.3
Mar 25	30	28.2	20.3	19.2	20	18.7	22.1	26.7	30.4	30.9	33	34.6	37.9	41	42.5	42.8	42.9	42.1	39.3	S	34.3	32.8	32.9	32.8	18.7	42.9	32.0
Mar 26	31.2	30	28.9	27.8	25.5	23.2	23.2	24.6	27	29.1	30.1	30.7	31.8	32.9	33.5	37.3	37.2	34	S	25.6	13.9	16.4	26.4	24.8	13.9	37.3	28.0
Mar 27	27	28	29.4	30	31.4	26.7	25	29.7	31.3	31.9	32.2	32.5	35.6	37.3	38.9	39.7	39.6	S	34.7	35.7	35.7	34.5	32.6	31.8	25.0	39.7	32.7
Mar 28	32.8	29.4	28	27.6	27.9	28.5	28.9	30.9	32.8	33.5	34.2	35.1	37.4	38	38	38.5	S	38.7	37.7	34.1	33.4	32.3	32	29.9	27.6	38.7	33.0
Mar 29	23.8	21.9	19.6	18.8	16.3	10.3	8.4	15.5	32.1	35.4	38.1	39.3	39.8	41.1	41.6	S	42	41.8	39.5	32	32.6	31.8	30	18.2	8.4	42.0	29.1
Mar 30	15.7	33.8	21.7	27.1	27.3	28.4	26.4	25.7	26.9	28.1	30	33.6	38.1	40.2	S	43.5	43.5	**44.4**	41	35.1	31.6	15	18.9	28.8	15.0	**44.4**	30.6
Mar 31	29.6	29.6	30.2	27.7	23.9	13.6	8.4	27.7	28.3	31.3	33.8	37.2	39.8	S	40.7	40.1	39.5	38.7	36.5	40	40.9	38.9	38.3	39.8	8.4	40.9	32.8
Diurnal Maximum	35.6	35.9	36.7	35.7	36.4	35.8	33.7	33.6	37.6	37.2	38.1	43.1	43.9	44.0	43.1	43.5	43.5	44.4	41.0	40.0	40.9	38.9	38.3	39.8			
Diurnal Average	26.4	26.2	26.4	25.4	24.7	23.3	22.0	23.9	27.0	30.2	31.9	33.5	34.8	35.7	36.5	37.3	37.6	36.8	33.9	28.7	27.8	28.0	27.8	26.6			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



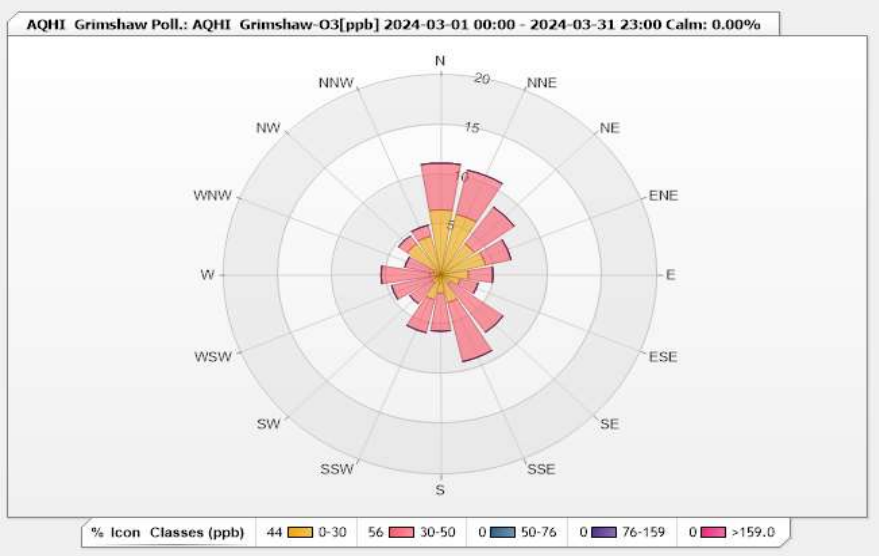


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-O3[ppb] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	6.52	4.67	0	0	0	11.19
NNE	6.23	4.53	0	0	0	10.76
NE	3.82	4.53	0	0	0	8.35
ENE	4.25	2.41	0	0	0	6.66
E	2.55	2.27	0	0	0	4.82
ESE	1.84	1.7	0	0	0	3.54
SE	1.13	5.95	0	0	0	7.08
SSE	2.83	6.09	0	0	0	8.92
S	1.84	3.82	0	0	0	5.66
SSW	2.55	3.4	0	0	0	5.95
SW	0.99	2.55	0	0	0	3.54
WSW	0.42	4.25	0	0	0	4.67
W	0.99	4.53	0	0	0	5.52
WNW	0.71	2.69	0	0	0	3.4
NW	3.82	0.99	0	0	0	4.81
NNW	3.97	1.13	0	0	0	5.1
Summary	44.46	55.51	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

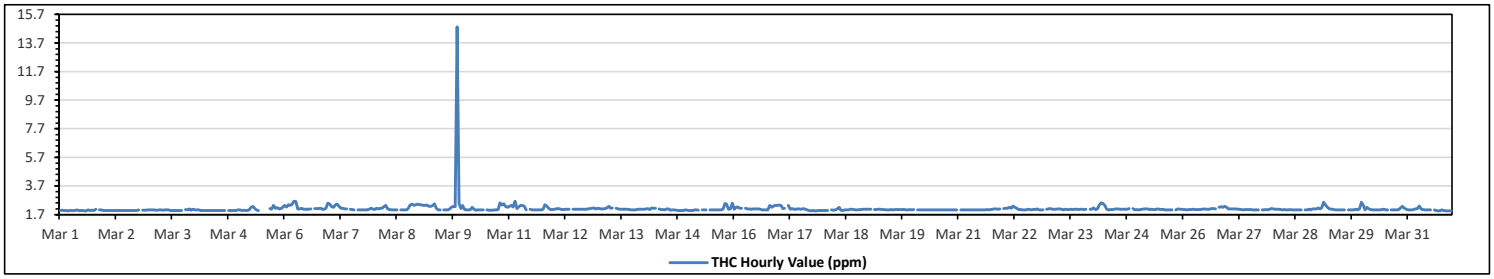
TOTAL HYDROCARBONS (THC) in ppm

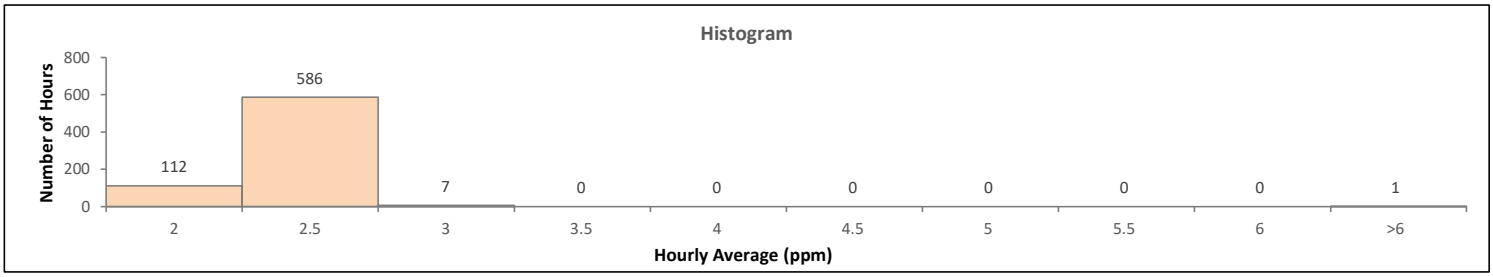
Maximum Hourly Value:	14.83	ppm	on Mar 9 at hr 20	Hours in Service:	744
Maximum Daily Value:	2.78	ppm	on Mar 9	Hours of Data:	706
Minimum Hourly Value:	1.96	ppm	on Mar 31 at hr 16	Hours of Missing Data:	2
Minimum Daily Value:	1.99	ppm	on Mar 2	Hours of Calibration:	36
Monthly Average:	2.10	ppm		Operational Uptime:	99.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	1.98	2.00	1.98	1.98	1.97	1.98	1.98	1.99	1.99	2.01	1.99	1.98	1.98	1.97	1.97	2.02	1.99	2.00	1.99	2.06	S	2.03	2.01	1.98	1.97	2.06	1.99
Mar 2	1.98	1.98	1.98	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.99	2.01	S	2.00	2.00	2.00	2.02	1.98	2.02	1.99
Mar 3	2.01	2.01	2.01	2.00	2.00	2.01	2.01	2.00	2.03	2.02	2.02	1.99	1.99	1.99	1.99	1.99	1.98	1.99	S	2.05	2.01	2.08	2.00	2.06	1.98	2.08	2.01
Mar 4	2.02	2.02	2.01	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	S	1.98	1.99	1.98	1.98	1.99	2.04	1.98	2.04	1.99
Mar 5	2.03	1.99	2.00	1.99	1.98	2.03	2.19	2.28	2.11	2.00	1.99	C	C	C	C	C	2.11	2.07	2.33	2.15	2.18	2.10	2.11	2.20	1.98	2.33	2.10
Mar 6	2.35	2.23	2.39	2.32	2.42	2.63	2.60	2.10	2.09	2.14	2.07	2.07	2.07	2.07	2.08	S	2.11	2.11	2.12	2.14	2.07	2.07	2.15	2.49	2.07	2.63	2.21
Mar 7	2.43	2.24	2.21	2.39	2.43	2.28	2.13	2.14	2.10	2.08	K	2.07	2.05	2.04	S	2.02	2.03	2.04	2.03	2.03	2.04	2.07	2.15	2.09	2.02	2.43	2.14
Mar 8	2.05	2.15	2.08	2.13	2.15	2.25	2.32	2.10	2.05	2.04	2.04	2.03	2.03	S	2.03	2.03	2.04	2.04	2.12	2.36	2.42	2.35	2.37	2.43	2.03	2.43	2.16
Mar 9	2.39	2.40	2.32	2.35	2.36	2.27	2.28	2.31	2.45	2.15	2.03	2.04	S	2.03	2.02	2.03	2.08	2.19	2.28	2.24	**14.83**	2.48	2.11	2.34	2.02	**14.83**	**2.78**
Mar 10	2.05	2.01	2.01	2.01	2.20	2.06	2.00	2.01	2.01	2.01	2.01	S	2.02	2.00	2.00	2.00	2.01	2.02	2.05	2.52	2.36	2.45	2.25	2.22	2.00	2.52	2.10
Mar 11	2.26	2.35	2.23	2.62	2.11	2.24	2.33	2.32	2.27	2.04	S	2.07	2.03	2.04	2.04	2.03	2.02	2.03	2.07	2.39	2.29	2.15	2.05	2.05	2.02	2.62	2.18
Mar 12	2.07	2.08	2.12	2.09	2.05	2.05	2.06	2.06	2.07	S	2.06	2.06	2.07	2.06	2.06	2.07	2.06	2.07	2.09	2.11	2.15	2.16	2.10	2.13	2.05	2.16	2.08
Mar 13	2.11	2.09	2.10	2.12	2.16	2.26	2.15	2.17	S	2.15	2.09	2.07	2.07	2.07	2.06	2.06	2.05	2.04	2.03	2.04	2.05	2.07	2.07	2.06	2.03	2.26	2.09
Mar 14	2.06	2.10	2.12	2.05	2.16	2.13	2.13	S	2.08	2.05	2.05	2.04	2.09	2.09	2.00	2.01	2.01	2.00	1.99	1.99	1.99	1.99	2.01	2.00	1.99	2.16	2.05
Mar 15	1.99	1.99	1.99	2.01	2.01	2.00	S	2.01	2.04	2.04	K	2.02	2.02	2.03	2.03	2.03	2.04	2.03	2.07	2.48	2.43	2.07	2.10	2.49	1.99	2.49	2.09
Mar 16	2.07	2.19	2.23	2.15	2.14	S	2.15	2.10	2.08	2.07	2.08	2.08	2.09	2.08	2.06	2.04	2.03	2.01	2.02	2.32	2.21	2.27	2.34	2.32	2.01	2.34	2.14
Mar 17	2.36	2.34	2.12	2.14	S	2.32	2.07	2.11	2.06	2.07	2.08	2.09	2.07	2.11	2.07	2.02	1.98	1.97	1.98	1.97	1.97	1.98	1.99	1.99	1.97	2.36	2.08
Mar 18	1.99	1.99	1.99	S	2.01	2.00	2.03	2.09	2.20	2.00	1.98	2.01	2.03	2.04	2.07	2.07	2.05	2.03	2.04	2.05	2.05	2.06	2.06	2.06	1.98	2.20	2.04
Mar 19	2.06	2.06	S	2.05	2.05	2.06	2.06	2.05	2.05	2.04	2.03	2.04	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.04	2.03	2.06	2.05
Mar 20	2.05	S	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.04	2.04	2.03	2.03	2.03	2.04	2.04	2.03	2.03	2.03	2.03	2.04	2.03	2.04	2.04	2.03	2.05	2.04
Mar 21	S	2.03	2.03	2.04	2.04	2.03	2.02	2.03	2.04	2.04	2.03	2.03	2.03	2.04	2.04	2.05	2.04	2.05	2.06	2.08	2.08	2.07	2.10	S	2.02	2.10	2.05
Mar 22	2.11	2.15	2.14	2.19	2.15	2.29	2.21	2.14	2.05	2.05	2.04	2.04	2.04	2.06	2.05	2.04	2.06	2.05	2.08	2.04	2.04	2.03	S	2.06	2.03	2.29	2.09
Mar 23	2.08	2.12	2.07	2.07	2.07	2.08	2.09	2.07	2.04	2.06	2.05	2.05	2.07	2.05	2.06	2.07	2.05	2.07	2.07	2.05	2.06	S	2.06	2.06	2.04	2.12	2.07
Mar 24	2.16	2.05	2.10	2.39	2.53	2.48	2.33	2.06	2.04	2.05	2.05	2.07	2.08	2.08	2.07	2.06	2.07	2.07	2.06	2.11	S	2.12	2.03	2.05	2.03	2.53	2.14
Mar 25	2.04	2.05	2.07	2.08	2.08	2.08	2.05	2.06	2.05	2.05	2.09	2.06	2.05	2.06	2.04	2.04	2.04	2.04	2.03	S	2.03	2.08	2.06	2.07	2.03	2.09	2.06
Mar 26	2.05	2.05	2.04	2.05	2.05	2.06	2.05	2.05	2.05	2.05	2.06	2.10	2.07	2.07	2.07	2.11	2.11	2.08	S	2.19	2.24	2.22	2.28	2.21	2.04	2.28	2.10
Mar 27	2.10	2.08	2.10	2.10	2.09	2.07	2.07	2.05	2.04	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.04	S	2.03	2.04	2.05	2.04	2.06	2.11	2.03	2.11	2.06
Mar 28	2.08	2.07	2.07	2.07	2.05	2.04	2.05	2.04	2.03	2.05	2.04	2.04	2.03	2.03	2.04	2.03	S	2.04	2.03	2.06	2.04	2.08	2.10	2.10	2.03	2.10	2.05
Mar 29	2.16	2.10	2.18	2.55	2.36	2.22	2.09	2.07	2.06	2.04	2.03	2.02	2.02	2.03	2.02	S	2.02	2.03	2.03	2.01	2.07	2.03	2.09	2.57	2.01	2.57	2.12
Mar 30	2.35	2.03	2.21	2.08	2.05	2.03	2.04	2.03	2.03	2.02	2.05	2.06	2.04	2.03	S	2.02	2.02	2.02	2.04	2.05	2.16	2.27	2.14	2.07	2.02	2.35	2.08
Mar 31	2.04	2.04	2.04	2.05	2.08	2.11	2.29	2.06	2.05	2.04	2.03	2.03	2.02	S	2.01	1.98	1.96	1.97	2.01	1.99	1.97	1.97	1.97	1.97	1.96	2.29	2.03
Diurnal Maximum	2.43	2.40	2.39	2.62	2.53	2.63	2.60	2.32	2.45	2.15	2.09	2.10	2.09	2.11	2.08	2.11	2.11	2.19	2.33	2.52	14.83	2.48	2.37	2.57			
Diurnal Average	2.12	2.10	2.10	2.14	2.13	2.14	2.13	2.08	2.07	2.05	2.04	2.04	2.04	2.04	2.04	2.03	2.04	2.04	2.06	2.12	2.55	2.11	2.09	2.14			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



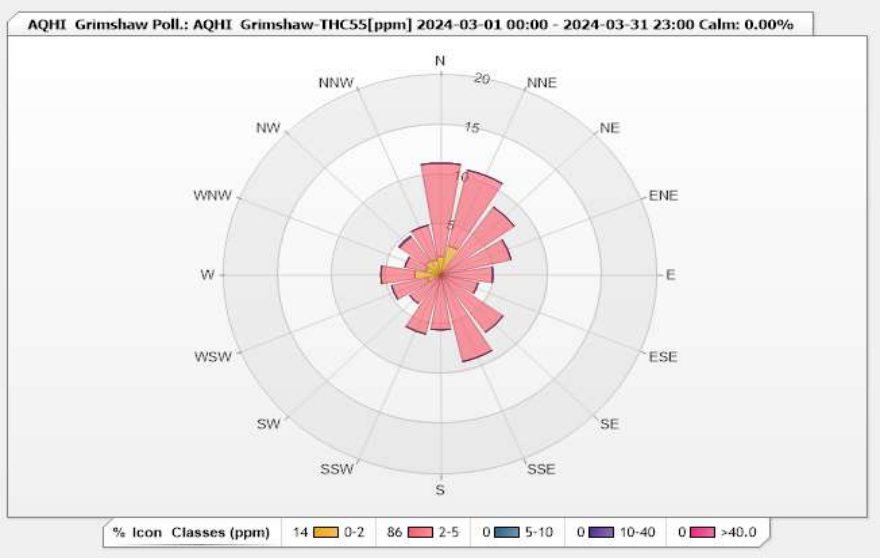


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-THC55[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	1.84	9.35	0	0	0	11.19
NNE	2.97	7.79	0	0	0	10.76
NE	0.28	8.07	0	0	0	8.35
ENE	0	6.66	0	0	0	6.66
E	0.14	4.67	0	0	0	4.81
ESE	0.14	3.4	0	0	0	3.54
SE	0.14	6.94	0	0	0	7.08
SSE	0	8.92	0	0	0	8.92
S	0.14	5.38	0	0	0	5.52
SSW	0.14	5.95	0	0	0	6.09
SW	0	3.54	0	0	0	3.54
WSW	1.27	3.4	0	0	0	4.67
W	2.41	3.12	0	0	0	5.53
WNW	1.42	1.98	0	0	0	3.4
NW	1.7	2.97	0	0.14	0	4.81
NNW	1.56	3.54	0	0	0	5.1
Summary	14.15	85.68	0	0.14	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

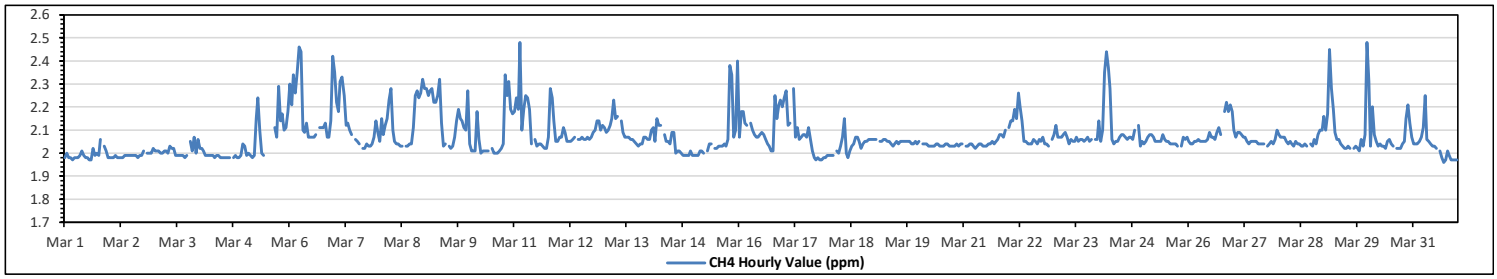
METHANE (CH4) in ppm

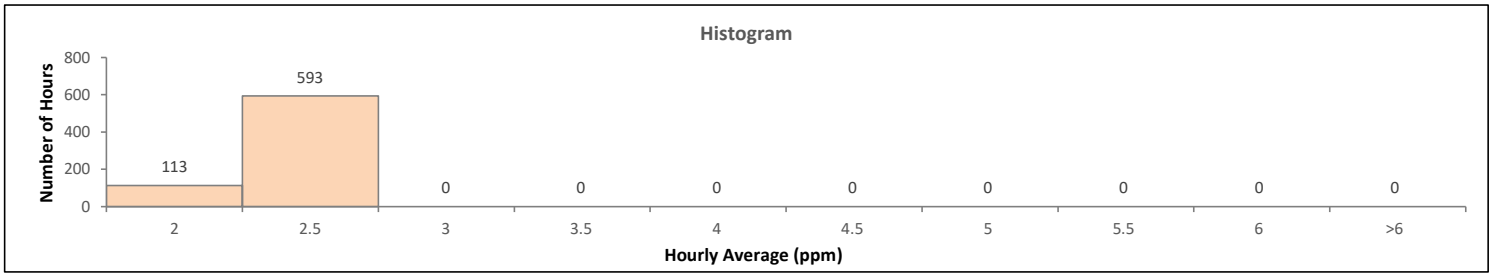
Maximum Hourly Value:	2.48	ppm	on Mar 11 at hr 3	Hours in Service:	744
Maximum Daily Value:	2.18	ppm	on Mar 6	Hours of Data:	706
Minimum Hourly Value:	1.96	ppm	on Mar 31 at hr 16	Hours of Missing Data:	2
Minimum Daily Value:	1.99	ppm	on Mar 2	Hours of Calibration:	36
Monthly Average:	2.07	ppm		Operational Uptime:	99.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	1.98	2.00	1.98	1.98	1.97	1.98	1.98	1.98	1.99	2.01	1.99	1.98	1.98	1.97	1.97	2.02	1.99	2.00	1.99	2.06	S	2.03	2.01	1.98	1.97	2.06	1.99
Mar 2	1.98	1.98	1.98	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.99	2.01	S	2.00	2.00	2.00	2.02	1.98	2.02	1.99
Mar 3	2.01	2.01	2.01	2.00	2.00	2.01	2.01	2.00	2.03	2.02	2.02	1.99	1.99	1.99	1.99	1.99	1.98	1.99	S	2.05	2.01	2.07	2.00	2.06	1.98	2.07	2.01
Mar 4	2.02	2.02	2.01	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	S	1.98	1.99	1.98	1.98	1.99	2.04	1.98	2.04	1.99
Mar 5	2.03	1.99	2.00	1.99	1.98	1.99	2.15	2.24	2.10	2.00	1.99	C	C	C	C	C	2.11	2.07	2.29	2.14	2.17	2.10	2.11	2.18	1.98	2.29	2.09
Mar 6	2.30	2.21	2.34	2.26	2.35	2.46	2.44	2.10	2.09	2.13	2.07	2.07	2.07	2.07	2.08	S	2.11	2.11	2.11	2.13	2.07	2.07	2.14	2.42	2.07	2.46	**2.18**
Mar 7	2.35	2.22	2.18	2.31	2.33	2.25	2.12	2.13	2.10	2.08	K	2.06	2.05	2.04	S	2.02	2.02	2.04	2.03	2.03	2.04	2.07	2.14	2.09	2.02	2.35	2.12
Mar 8	2.05	2.15	2.08	2.12	2.15	2.23	2.28	2.10	2.05	2.04	2.04	2.03	2.03	S	2.03	2.03	2.04	2.04	2.11	2.25	2.27	2.24	2.26	2.32	2.03	2.32	2.13
Mar 9	2.28	2.28	2.25	2.27	2.28	2.22	2.22	2.25	2.32	2.13	2.03	2.04	S	2.03	2.02	2.03	2.07	2.14	2.19	2.15	2.14	2.11	2.10	2.27	2.02	2.32	2.17
Mar 10	2.04	2.01	2.01	2.01	2.18	2.06	2.00	2.01	2.01	2.01	2.01	S	2.02	2.00	2.00	2.00	2.01	2.02	2.04	2.34	2.25	2.31	2.19	2.17	2.00	2.34	2.07
Mar 11	2.18	2.24	2.19	**2.48**	2.10	2.19	2.25	2.24	2.19	2.04	S	2.06	2.03	2.04	2.04	2.03	2.02	2.02	2.07	2.28	2.24	2.14	2.05	2.05	2.02	**2.48**	2.14
Mar 12	2.07	2.07	2.11	2.09	2.05	2.05	2.05	2.06	2.07	S	2.06	2.06	2.07	2.06	2.06	2.07	2.06	2.07	2.09	2.10	2.14	2.14	2.10	2.12	2.05	2.14	2.08
Mar 13	2.11	2.09	2.10	2.12	2.15	2.23	2.15	2.16	S	2.14	2.09	2.07	2.07	2.07	2.06	2.06	2.05	2.04	2.03	2.04	2.04	2.07	2.07	2.06	2.03	2.23	2.09
Mar 14	2.06	2.10	2.11	2.05	2.15	2.12	2.12	S	2.08	2.05	2.05	2.04	2.09	2.09	2.00	2.01	2.01	2.00	1.99	1.99	1.99	1.99	2.01	1.99	1.99	2.15	2.05
Mar 15	1.99	1.99	1.99	2.01	2.01	2.00	S	2.01	2.04	2.04	K	2.02	2.02	2.03	2.03	2.03	2.04	2.03	2.06	2.38	2.34	2.07	2.10	2.40	1.99	2.40	2.07
Mar 16	2.07	2.18	2.18	2.13	2.12	S	2.13	2.10	2.08	2.07	2.07	2.08	2.09	2.08	2.06	2.04	2.03	2.01	2.01	2.25	2.15	2.21	2.23	2.20	2.01	2.25	2.11
Mar 17	2.24	2.27	2.12	2.13	S	2.28	2.07	2.11	2.06	2.07	2.08	2.08	2.07	2.11	2.06	2.01	1.98	1.97	1.98	1.97	1.97	1.98	1.98	1.99	1.97	2.28	2.07
Mar 18	1.99	1.99	1.99	S	2.01	2.00	2.03	2.07	2.15	2.00	1.98	2.01	2.03	2.04	2.07	2.07	2.05	2.02	2.04	2.05	2.05	2.06	2.06	2.06	1.98	2.15	2.04
Mar 19	2.06	2.06	S	2.05	2.05	2.06	2.06	2.05	2.05	2.04	2.03	2.04	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.04	2.03	2.06	2.05
Mar 20	2.05	S	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.04	2.04	2.03	2.03	2.03	2.04	2.04	2.03	2.03	2.03	2.03	2.04	2.03	2.04	2.04	2.03	2.05	2.04
Mar 21	S	2.03	2.03	2.04	2.04	2.03	2.02	2.03	2.04	2.04	2.03	2.03	2.03	2.04	2.04	2.05	2.04	2.05	2.06	2.08	2.08	2.07	2.10	S	2.02	2.10	2.05
Mar 22	2.11	2.14	2.14	2.19	2.15	2.26	2.20	2.14	2.05	2.05	2.04	2.04	2.04	2.06	2.05	2.04	2.06	2.05	2.07	2.04	2.04	2.03	S	2.06	2.03	2.26	2.09
Mar 23	2.08	2.12	2.07	2.07	2.07	2.08	2.09	2.07	2.04	2.06	2.05	2.05	2.07	2.05	2.06	2.06	2.05	2.06	2.07	2.05	2.06	S	2.06	2.06	2.04	2.12	2.07
Mar 24	2.14	2.05	2.10	2.35	2.44	2.37	2.28	2.06	2.04	2.05	2.05	2.07	2.08	2.08	2.07	2.06	2.07	2.07	2.06	2.10	S	2.12	2.03	2.05	2.03	2.44	2.12
Mar 25	2.04	2.05	2.07	2.08	2.08	2.07	2.05	2.05	2.05	2.05	2.08	2.06	2.05	2.05	2.04	2.04	2.04	2.04	2.03	S	2.03	2.07	2.06	2.07	2.03	2.08	2.05
Mar 26	2.05	2.04	2.04	2.05	2.05	2.06	2.05	2.05	2.05	2.05	2.06	2.09	2.07	2.07	2.06	2.09	2.11	2.08	S	2.18	2.22	2.18	2.21	2.18	2.04	2.22	2.09
Mar 27	2.10	2.07	2.09	2.09	2.08	2.07	2.07	2.05	2.04	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.04	S	2.03	2.04	2.05	2.04	2.06	2.10	2.03	2.10	2.06
Mar 28	2.08	2.07	2.07	2.07	2.05	2.04	2.05	2.04	2.03	2.05	2.04	2.04	2.03	2.03	2.04	2.03	S	2.04	2.03	2.06	2.04	2.08	2.10	2.10	2.03	2.10	2.05
Mar 29	2.16	2.10	2.17	2.45	2.28	2.19	2.09	2.06	2.06	2.04	2.03	2.02	2.02	2.03	2.02	S	2.02	2.03	2.02	2.01	2.06	2.03	2.08	**2.48**	2.01	**2.48**	2.11
Mar 30	2.31	2.03	2.20	2.08	2.05	2.03	2.04	2.03	2.03	2.02	2.05	2.06	2.04	2.03	S	2.02	2.02	2.02	2.04	2.05	2.15	2.21	2.13	2.07	2.02	2.31	2.07
Mar 31	2.04	2.04	2.04	2.05	2.07	2.11	2.25	2.06	2.05	2.04	2.03	2.03	2.02	S	2.01	1.98	1.96	1.97	2.01	1.99	1.97	1.97	1.97	1.97	1.96	2.25	2.03
Diurnal Maximum	2.35	2.28	2.34	2.48	2.44	2.46	2.44	2.25	2.32	2.14	2.09	2.09	2.09	2.11	2.08	2.09	2.11	2.14	2.29	2.38	2.34	2.31	2.26	2.48			
Diurnal Average	2.10	2.09	2.09	2.12	2.11	2.11	2.11	2.08	2.06	2.05	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.04	2.05	2.10	2.09	2.08	2.08	2.12			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



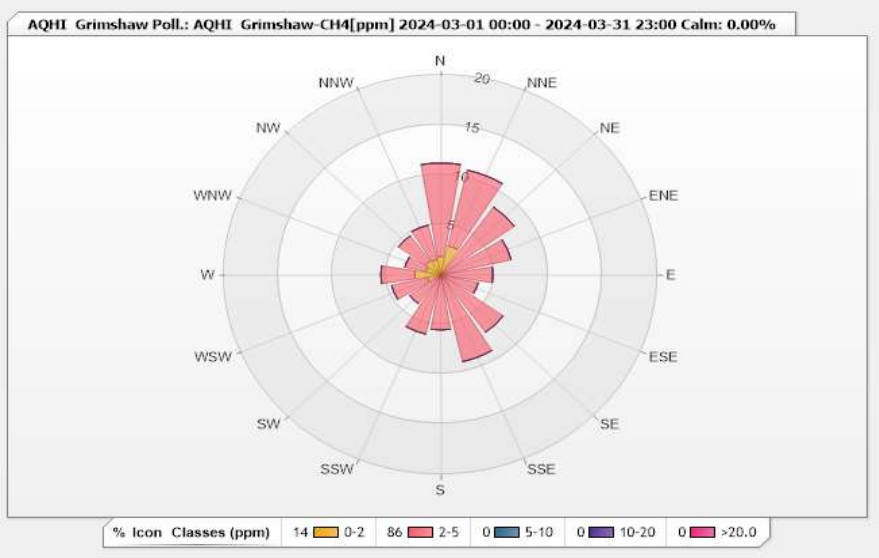


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-CH4[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	1.84	9.35	0	0	0	11.19
NNE	2.97	7.79	0	0	0	10.76
NE	0.42	7.93	0	0	0	8.35
ENE	0	6.66	0	0	0	6.66
E	0.14	4.67	0	0	0	4.81
ESE	0.14	3.4	0	0	0	3.54
SE	0.14	6.94	0	0	0	7.08
SSE	0	8.92	0	0	0	8.92
S	0.14	5.38	0	0	0	5.52
SSW	0.14	5.95	0	0	0	6.09
SW	0	3.54	0	0	0	3.54
WSW	1.27	3.4	0	0	0	4.67
W	2.41	3.12	0	0	0	5.53
WNW	1.42	1.98	0	0	0	3.4
NW	1.7	3.12	0	0	0	4.82
NNW	1.56	3.54	0	0	0	5.1
Summary	14.29	85.69	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

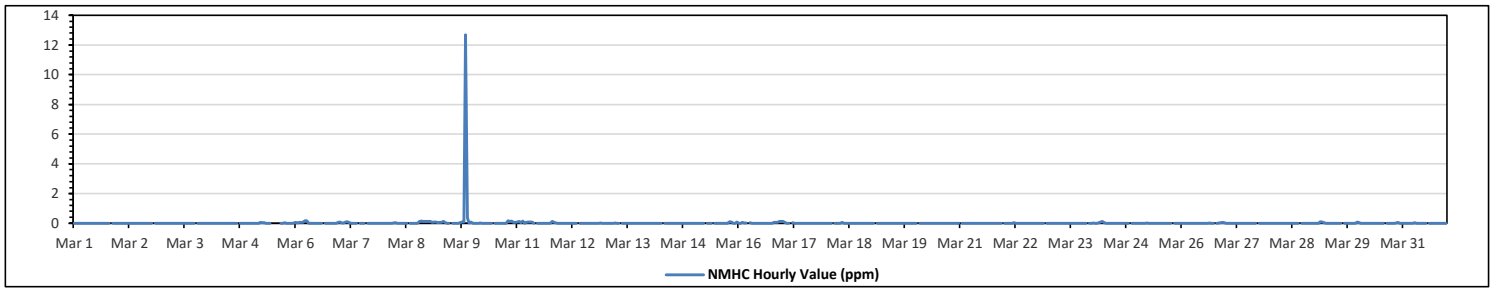
NON-METHANE HYDROCARBONS (NMHC) in ppm

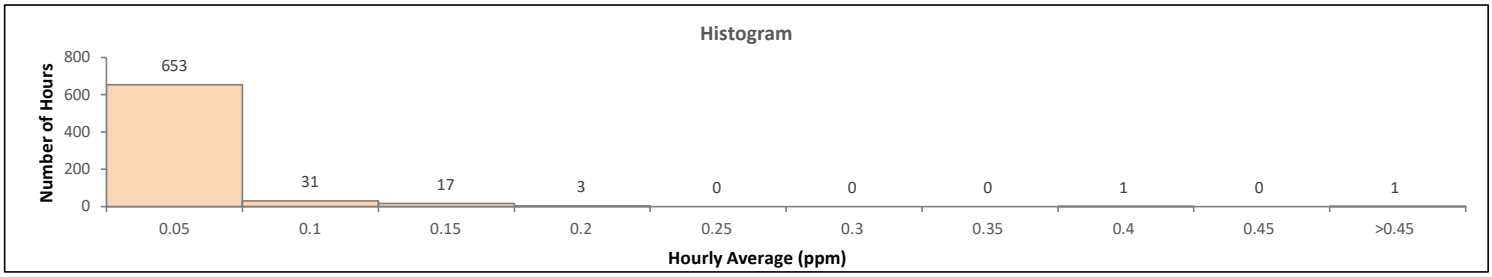
Maximum Hourly Value:	12.69	ppm	on Mar 9 at hr 20	Hours in Service:	744	
Maximum Daily Value:	0.61	ppm	on Mar 9	Hours of Data:	706	
Minimum Hourly Value:	0.00	ppm	on Mar 1 at hr 0	Hours of Missing Data:	2	
Minimum Daily Value:	0.00	ppm	on Mar 2	Hours of Calibration:	36	
Monthly Average:	0.03	ppm		Operational Uptime:	99.7	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.01	0.00
Mar 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 5	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.04	0.01	0.00	0.00	C	C	C	C	C	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.02	0.00	0.05	0.01
Mar 6	0.05	0.02	0.05	0.05	0.07	0.16	0.16	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.07	0.00	0.16	0.03
Mar 7	0.09	0.02	0.02	0.08	0.10	0.03	0.00	0.00	0.00	0.00	K	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.10	0.02
Mar 8	0.00	0.01	0.00	0.00	0.00	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.01	0.11	0.15	0.11	0.11	0.11	0.00	0.15	0.03
Mar 9	0.11	0.12	0.07	0.08	0.08	0.04	0.05	0.06	0.12	0.03	0.00	0.00	S	0.00	0.00	0.00	0.01	0.04	0.09	0.09	**12.69**	0.36	0.02	0.08	0.00	**12.69**	**0.61**
Mar 10	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.18	0.11	0.14	0.06	0.06	0.00	0.18	0.03
Mar 11	0.09	0.11	0.04	0.14	0.01	0.05	0.08	0.08	0.08	0.00	S	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.11	0.05	0.02	0.00	0.00	0.00	0.14	0.04
Mar 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.01	0.01	0.00	0.02	0.00
Mar 13	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01	S	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
Mar 14	0.00	0.00	0.00	0.00	0.01	0.01	0.01	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Mar 15	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	K	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.09	0.00	0.00	0.09	0.00	0.10	0.01
Mar 16	0.00	0.01	0.05	0.02	0.02	S	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.06	0.06	0.11	0.12	0.00	0.12	0.02
Mar 17	0.12	0.07	0.00	0.01	S	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.01
Mar 18	0.00	0.00	0.00	S	0.00	0.00	0.00	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
Mar 19	0.00	0.00	S	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Mar 20	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 21	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Mar 22	0.00	0.01	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	S	0.00	0.00	0.03	0.00
Mar 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Mar 24	0.02	0.00	0.00	0.04	0.09	0.11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.11	0.01
Mar 25	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.01	0.01	0.00	0.00	0.02	0.00
Mar 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	S	0.01	0.02	0.04	0.07	0.03	0.00	0.07	0.01
Mar 27	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
Mar 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar 29	0.00	0.00	0.01	0.10	0.08	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.10	0.01
Mar 30	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.00	0.00	0.00	0.05	0.01
Mar 31	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
Diurnal Maximum	0.12	0.12	0.07	0.14	0.10	0.16	0.16	0.08	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.04	0.09	0.18	12.69	0.36	0.11	0.12			
Diurnal Average	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.46	0.03	0.01	0.02			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



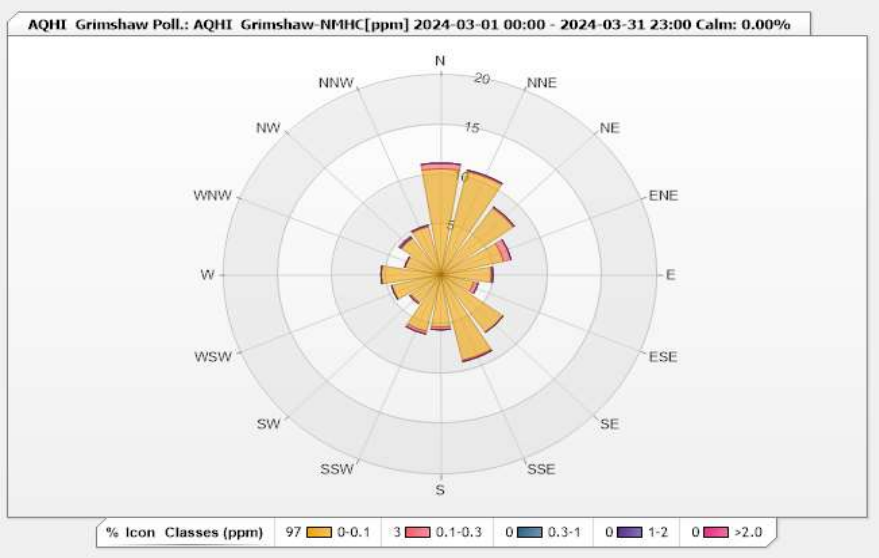


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NMHC[ppm] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	10.62	0.57	0	0	0	11.19
NNE	10.62	0.14	0	0	0	10.76
NE	8.22	0.14	0	0	0	8.36
ENE	5.95	0.71	0	0	0	6.66
E	4.67	0.14	0	0	0	4.81
ESE	3.12	0.42	0	0	0	3.54
SE	7.08	0	0	0	0	7.08
SSE	8.78	0.14	0	0	0	8.92
S	5.24	0.28	0	0	0	5.52
SSW	5.81	0.28	0	0	0	6.09
SW	3.4	0.14	0	0	0	3.54
WSW	4.67	0	0	0	0	4.67
W	5.52	0	0	0	0	5.52
WNW	3.4	0	0	0	0	3.4
NW	4.53	0	0.14	0	0.14	4.81
NNW	4.96	0.14	0	0	0	5.1
Summary	96.59	3.1	0.14	0	0.14	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

PARTICULATE MATTER 2.5 ($PM_{2.5}$) in µg/m^3

Alberta Ambient Air Quality Guideline (AAAQG): 1-Hour 80 µg/m3, Alberta Ambient Air Quality Objective (AAAQO): 24-Hour 29 µg/m3

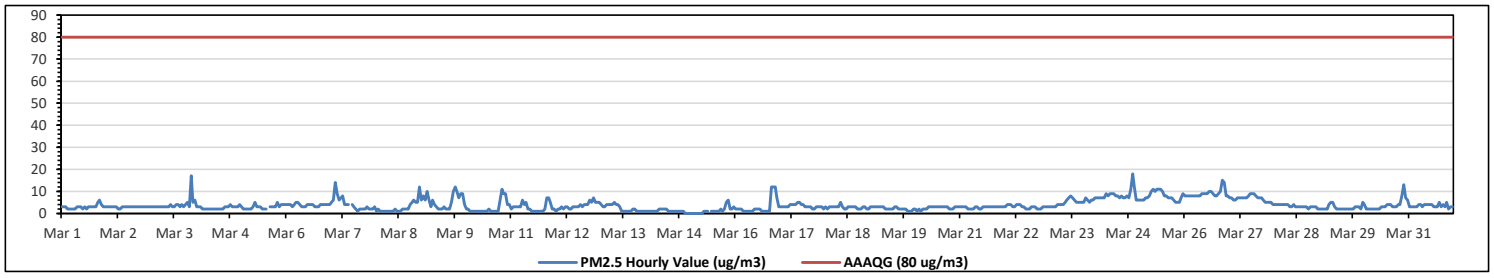
Number of 1-Hour Exceedances: 0 Number of 24-Hour Exceedances: 0

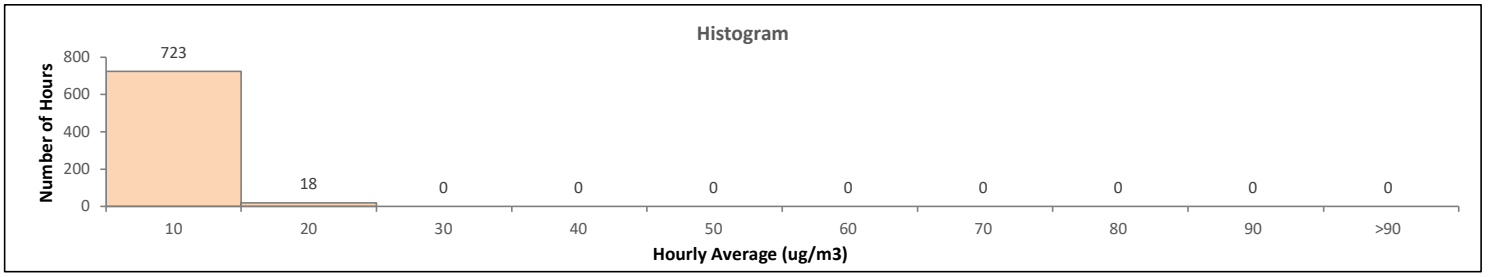
Maximum Hourly Value:	18	µg/m^3 on Mar 24 at hr 20	Hours in Service:	744
Maximum Daily Value:	9.0	µg/m^3 on Mar 26	Hours of Data:	741
Minimum Hourly Value:	0	µg/m^3 on Mar 14 at hr 21	Hours of Missing Data:	2
Minimum Daily Value:	1	µg/m^3 on Mar 14	Hours of Calibration:	1
Monthly Average:	3.7	µg/m^3	Operational Uptime:	99.7

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	3	3	3	2	2	2	2	2	3	3	3	2	3	2	3	3	3	3	3	5	6	4	3	3	2	6	3.0
Mar 2	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2.9
Mar 3	3	3	3	3	3	3	3	3	3	3	4	3	3	4	4	3	4	3	4	5	3	17	5	6	3	17	4.1
Mar 4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	3	3	3	3	4	2	4	2.6
Mar 5	3	2	2	2	2	2	3	5	3	3	3	2	2	2	C	3	3	3	3	5	3	4	4	4	2	5	3.0
Mar 6	4	4	4	3	4	5	5	4	3	3	3	4	4	4	4	3	3	3	4	4	4	4	4	4	3	5	3.8
Mar 7	5	6	14	9	6	7	8	4	4	4	K	4	3	2	1	2	2	2	2	3	2	2	2	3	1	14	4.2
Mar 8	1	2	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	4	5	6	5	5	12	1	12	2.5
Mar 9	6	8	6	10	6	3	6	4	3	2	2	2	3	2	2	2	5	10	12	10	7	9	9	4	2	12	5.5
Mar 10	2	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	6	11	9	9	4	4	1	11	2.7
Mar 11	2	3	3	3	3	3	6	4	5	2	2	1	1	1	1	1	1	1	2	7	7	5	2	2	1	7	2.8
Mar 12	1	2	2	3	2	3	3	2	2	3	3	3	3	4	3	4	4	4	6	5	7	5	5	5	1	7	3.5
Mar 13	4	3	3	4	4	4	4	5	4	4	3	1	1	1	1	1	1	2	2	1	1	1	1	1	1	5	2.4
Mar 14	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	**0**	2	**1.1**
Mar 15	0	0	0	0	0	0	0	1	1	1	K	1	1	1	1	1	2	1	2	5	6	2	2	3	**0**	6	1.3
Mar 16	2	2	2	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	12	12	12	7	3	1	12	3.0
Mar 17	3	3	3	3	3	4	4	4	4	5	5	4	4	3	3	3	3	2	2	3	3	3	3	2	2	5	3.3
Mar 18	3	2	3	3	3	3	3	3	5	3	2	2	3	3	3	3	3	3	2	2	2	3	3	2	2	5	2.8
Mar 19	3	3	3	3	3	3	3	3	2	2	2	2	2	3	3	2	2	2	2	2	1	1	1	2	1	3	2.3
Mar 20	2	1	2	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	1	3	2.5
Mar 21	3	3	3	3	2	2	2	2	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2.8
Mar 22	3	4	4	4	3	3	4	4	4	3	3	2	2	2	3	3	3	2	2	2	3	3	3	3	2	4	3.0
Mar 23	3	3	3	3	4	4	4	4	5	6	7	8	7	6	5	5	5	5	5	7	6	5	6	6	3	8	5.1
Mar 24	7	7	7	7	7	7	9	8	9	9	9	8	8	7	8	7	7	8	7	11	**18**	12	6	6	6	**18**	8.3
Mar 25	6	6	6	7	7	8	10	11	10	11	11	11	10	8	8	7	7	7	6	5	5	5	7	9	5	11	7.8
Mar 26	8	8	8	8	8	8	8	8	8	9	9	9	9	10	10	9	8	8	9	10	15	14	8	8	8	15	**9.0**
Mar 27	7	7	6	6	7	7	7	7	7	7	8	9	9	9	8	7	7	7	6	5	5	5	5	4	4	9	6.8
Mar 28	4	4	4	4	4	4	4	4	3	3	4	3	3	3	3	3	3	3	2	3	3	3	3	2	2	4	3.3
Mar 29	2	2	2	2	2	4	5	5	3	2	2	2	2	2	2	2	2	2	2	3	3	3	2	5	2	5	2.6
Mar 30	4	2	2	2	2	2	2	2	2	3	3	3	4	4	4	3	3	3	4	4	8	13	7	6	2	13	3.8
Mar 31	3	3	3	3	3	4	4	3	4	4	4	4	4	3	3	3	5	3	4	3	5	2	3	3	2	5	3.5
Diurnal Maximum	8	8	14	10	8	8	10	11	10	11	11	11	10	10	10	9	8	10	12	12	18	17	9	12			
Diurnal Average	3.4	3.4	3.5	3.5	3.3	3.4	3.8	3.7	3.6	3.6	3.8	3.4	3.5	3.3	3.3	3.1	3.3	3.3	3.8	4.8	5.3	5.3	3.9	4.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



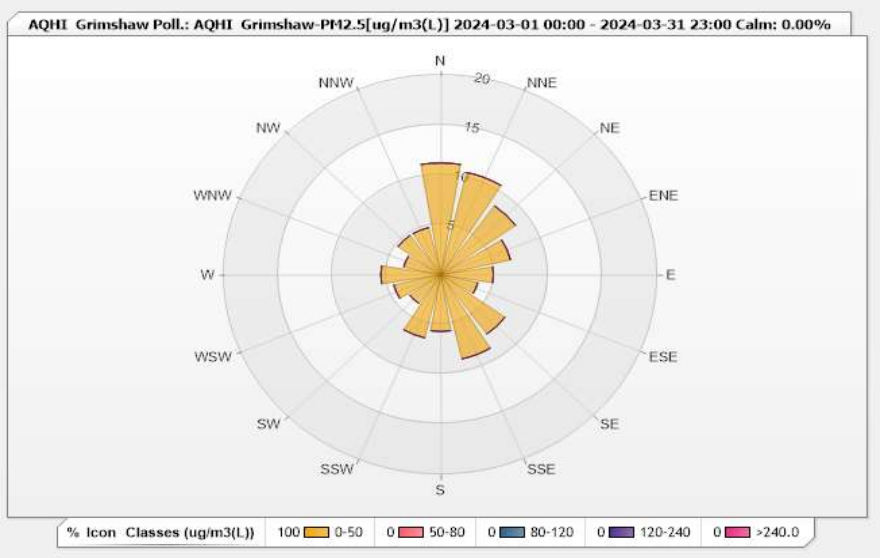


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-PM2.5[ug/m3(L)] Monthly: 03-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 99.60% Calm Avg: 0.00 [ug/m3(L)]

Direction	0-50	50-80	80-120	120-240	>240.0	Total
N	11.2	0	0	0	0	11.2
NNE	10.53	0	0	0	0	10.53
NE	8.5	0	0	0	0	8.5
ENE	6.61	0	0	0	0	6.61
E	4.86	0	0	0	0	4.86
ESE	3.51	0	0	0	0	3.51
SE	7.29	0	0	0	0	7.29
SSE	8.64	0	0	0	0	8.64
S	5.67	0	0	0	0	5.67
SSW	6.48	0	0	0	0	6.48
SW	3.51	0	0	0	0	3.51
WSW	4.45	0	0	0	0	4.45
W	5.53	0	0	0	0	5.53
WNW	3.51	0	0	0	0	3.51
NW	4.86	0	0	0	0	4.86
NNW	4.86	0	0	0	0	4.86
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

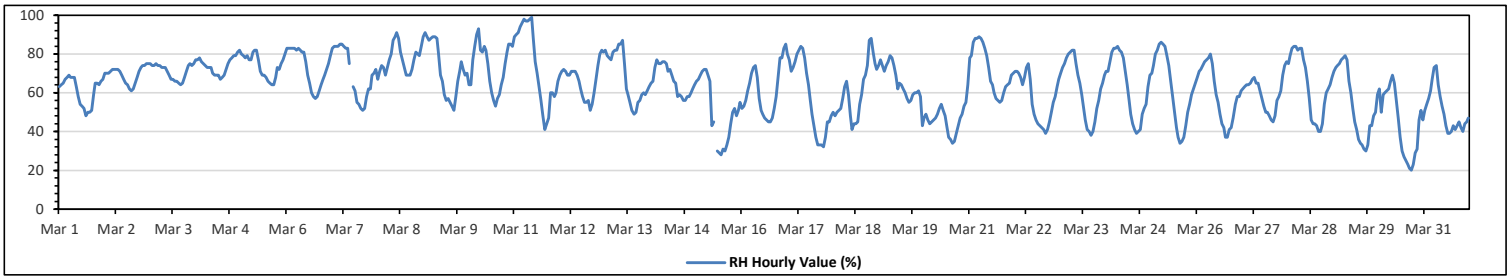
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	99	%	on Mar 11 at hr 9	Hours in Service:	744	
Maximum Daily Value:	77.1	%	on Mar 8	Hours of Data:	742	
Minimum Hourly Value:	20	%	on Mar 30 at hr 17	Hours of Missing Data:	2	
Minimum Daily Value:	44.4	%	on Mar 30	Hours of Calibration:	0	
Monthly Average:	63.9	%		Operational Uptime:	99.7	

Day	Hourly Period Starting at (MST)																						Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	63	64	65	67	68	69	68	68	68	63	58	54	53	52	48	50	50	51	59	65	65	64	66	67	48	69	61.0
Mar 2	70	70	70	71	72	72	72	72	71	69	67	65	64	62	61	62	65	68	71	73	74	74	75	75	61	75	69.4
Mar 3	75	74	74	75	74	74	73	73	73	71	69	67	67	66	66	65	64	65	68	71	74	75	74	75	64	75	70.9
Mar 4	77	77	78	76	75	74	73	73	73	70	69	69	69	67	68	69	72	75	77	78	79	79	81	82	67	82	74.2
Mar 5	80	79	78	79	77	77	81	82	82	77	71	69	69	68	66	65	64	64	68	73	72	75	77	80	64	82	73.9
Mar 6	83	83	83	83	83	82	83	82	81	81	76	69	65	60	58	57	58	61	64	67	69	72	75	79	57	83	73.1
Mar 7	83	84	84	84	85	85	84	83	83	75	K	63	61	55	54	52	51	52	58	62	62	69	70	72	51	85	70.0
Mar 8	67	71	74	73	69	73	77	80	87	89	91	88	81	77	73	69	69	69	72	77	81	80	79	84	67	91	**77.1**
Mar 9	89	91	89	87	88	89	89	88	80	69	66	59	56	57	55	53	51	58	66	71	76	72	69	70	51	91	72.4
Mar 10	64	64	77	84	90	93	82	81	84	82	75	66	60	56	53	57	59	64	68	75	81	85	85	84	53	93	73.7
Mar 11	89	90	91	94	96	98	97	97	98	**99**	88	76	70	63	56	48	41	44	47	60	60	58	60	66	41	**99**	74.4
Mar 12	69	71	72	71	69	69	71	71	71	69	66	62	58	55	55	56	51	54	60	67	74	80	82	81	51	82	66.8
Mar 13	82	79	78	77	81	82	82	85	85	87	75	62	59	55	51	49	50	55	56	59	60	59	61	63	49	87	68.0
Mar 14	65	66	73	77	75	75	76	76	75	71	72	69	66	65	58	59	58	56	56	58	58	60	62	64	56	77	66.3
Mar 15	66	67	69	71	72	72	69	66	43	45	K	30	29	28	31	30	33	37	44	50	52	48	51	55	28	72	50.3
Mar 16	52	53	56	61	65	70	73	74	68	57	51	49	47	46	45	45	47	52	58	68	78	78	83	85	45	85	60.9
Mar 17	80	77	71	73	76	80	82	84	83	78	70	64	57	49	43	37	33	33	33	32	37	45	45	48	32	84	58.8
Mar 18	50	48	50	51	52	57	63	66	59	48	41	44	44	45	54	59	67	69	74	87	88	81	75	72	41	88	60.2
Mar 19	74	77	74	71	74	76	79	78	74	69	62	65	64	62	60	57	55	56	59	60	60	61	58	43	43	79	65.3
Mar 20	47	49	46	44	45	46	47	49	52	54	51	48	43	37	36	34	35	39	43	47	49	53	55	64	34	64	46.4
Mar 21	78	79	86	88	88	89	88	86	83	79	73	66	64	60	57	56	55	56	60	63	64	65	69	70	55	89	71.8
Mar 22	71	71	70	68	64	68	73	75	67	54	49	46	44	43	42	41	39	41	45	50	55	58	63	67	39	75	56.8
Mar 23	70	73	75	78	80	81	82	82	75	69	65	59	53	46	41	40	38	40	45	52	56	62	65	69	38	82	62.3
Mar 24	71	71	76	81	83	83	84	82	81	78	71	64	56	49	44	41	39	40	41	49	52	54	63	69	39	84	63.4
Mar 25	70	74	80	82	85	86	85	84	79	74	66	58	50	42	37	34	35	37	43	50	54	59	62	65	34	86	62.1
Mar 26	68	71	72	74	76	77	78	80	75	66	59	55	49	44	42	37	37	41	42	47	54	58	58	61	37	80	59.2
Mar 27	62	63	64	64	65	67	68	65	65	61	57	53	50	50	48	46	45	48	56	58	61	69	74	76	45	76	59.8
Mar 28	75	79	83	84	84	82	83	83	77	73	66	57	46	44	44	43	40	40	44	54	60	62	64	68	40	84	64.0
Mar 29	71	73	74	75	77	78	79	77	66	60	52	45	41	36	34	33	31	30	33	43	43	48	50	59	30	79	54.5
Mar 30	62	50	59	60	61	62	66	69	65	56	47	37	30	27	25	23	21	**20**	23	29	31	46	51	46	**20**	69	**44.4**
Mar 31	51	54	57	61	67	73	74	64	58	53	49	43	39	39	40	43	41	43	45	42	40	44	45	47	39	74	50.5
Diurnal Maximum	89	91	91	94	96	98	97	97	98	99	91	88	81	77	73	69	72	75	77	87	88	85	85	85			
Diurnal Average	70.1	70.7	72.5	73.7	74.7	76.1	76.8	76.6	73.6	69.2	64.6	58.7	55.0	51.8	49.8	48.7	48.2	50.3	54.1	59.3	61.9	64.3	66.0	67.9			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

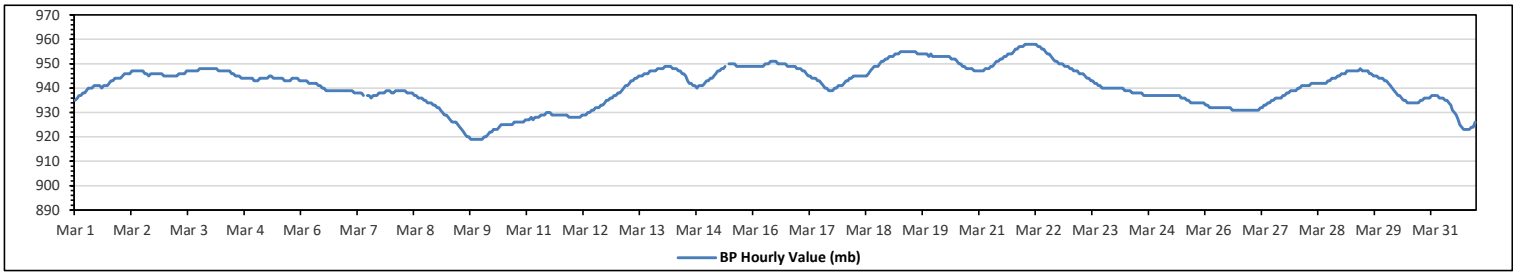
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	958	mb	on Mar 22 at hr 0	Hours in Service:	744
Maximum Daily Value:	954	mb	on Mar 19	Hours of Data:	742
Minimum Hourly Value:	919	mb	on Mar 9 at hr 18	Hours of Missing Data:	2
Minimum Daily Value:	924	mb	on Mar 10	Hours of Calibration:	0
Monthly Average:	941	mb		Operational Uptime:	99.7

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Mar 1	935	936	937	937	938	938	939	940	940	940	941	941	941	941	940	941	941	941	942	943	943	944	944	944	935	944	940
Mar 2	944	945	946	946	946	946	947	947	947	947	947	947	947	946	946	945	946	946	946	946	946	946	946	945	944	947	946
Mar 3	945	945	945	945	945	945	945	946	946	946	946	947	947	947	947	947	947	947	948	948	948	948	948	948	945	948	947
Mar 4	948	948	948	948	947	947	947	947	947	947	947	946	946	945	945	945	944	944	944	944	944	944	944	943	943	948	946
Mar 5	943	943	944	944	944	944	944	945	945	944	944	944	944	944	944	943	943	943	943	944	944	944	944	943	943	945	944
Mar 6	943	943	943	943	942	942	942	942	942	941	941	940	940	939	939	939	939	939	939	939	939	939	939	939	939	943	941
Mar 7	939	939	939	939	938	938	938	938	938	937	K	937	937	936	937	937	937	938	938	938	938	939	939	939	936	939	938
Mar 8	938	938	939	939	939	939	939	939	938	938	938	938	937	937	936	936	936	935	935	934	934	934	933	933	933	939	937
Mar 9	932	932	931	930	929	929	928	927	926	926	926	925	924	923	922	921	920	920	**919**	**919**	**919**	**919**	**919**	**919**	**919**	932	924
Mar 10	**919**	920	920	921	922	922	923	923	923	924	925	925	925	925	925	925	925	926	926	926	926	926	926	927	**919**	927	**924**
Mar 11	927	927	928	927	928	928	928	929	929	929	930	930	930	929	929	929	929	929	929	929	929	929	928	928	927	930	929
Mar 12	928	928	928	928	928	929	929	929	930	930	931	931	932	932	932	933	933	934	935	935	936	936	937	937	928	937	932
Mar 13	938	938	939	940	941	941	942	943	943	944	944	945	945	945	946	946	946	947	947	947	947	948	948	948	938	948	944
Mar 14	948	949	949	949	949	948	948	948	947	947	946	946	945	943	942	942	941	941	940	941	941	941	942	943	940	949	945
Mar 15	943	944	944	945	946	947	947	948	948	949	K	950	950	950	950	949	949	949	949	949	949	949	949	949	943	950	948
Mar 16	949	949	949	949	949	949	950	950	950	951	951	951	951	950	950	950	950	950	949	949	949	949	949	948	948	951	950
Mar 17	948	948	947	947	946	945	945	944	944	944	943	943	942	941	940	940	939	939	939	940	940	941	941	941	939	948	943
Mar 18	942	943	943	944	944	945	945	945	945	945	945	945	945	946	947	948	949	949	949	950	951	951	952	952	942	952	947
Mar 19	953	953	953	954	954	954	955	955	955	955	955	955	955	955	955	954	954	954	954	954	954	953	954	953	953	955	**954**
Mar 20	953	953	953	953	953	953	953	953	953	952	952	952	951	950	950	949	949	948	948	948	948	947	947	947	947	953	951
Mar 21	947	947	947	948	948	948	949	949	950	951	951	952	952	953	953	954	954	954	955	956	956	957	957	957	947	957	952
Mar 22	**958**	**958**	**958**	**958**	**958**	**958**	**958**	957	957	956	956	955	954	954	953	952	951	951	950	950	950	949	949	949	949	**958**	954
Mar 23	948	948	947	947	947	946	946	946	945	944	944	943	943	942	942	941	941	940	940	940	940	940	940	940	940	948	943
Mar 24	940	940	940	940	940	939	939	939	939	938	938	938	938	938	938	937	937	937	937	937	937	937	937	937	937	940	938
Mar 25	937	937	937	937	937	937	937	937	937	937	937	936	936	936	935	935	934	934	934	934	934	934	934	934	934	937	936
Mar 26	933	933	932	932	932	932	932	932	932	932	932	932	932	932	931	931	931	931	931	931	931	931	931	931	931	933	932
Mar 27	931	931	931	931	931	932	932	933	933	934	934	935	935	936	936	936	936	937	937	938	938	939	939	939	931	939	935
Mar 28	939	940	940	941	941	941	941	941	942	942	942	942	942	942	942	942	942	943	943	944	944	944	945	945	939	945	942
Mar 29	946	946	946	947	947	947	947	947	947	947	948	947	947	947	947	946	946	945	945	945	944	944	944	943	943	948	946
Mar 30	943	942	941	940	939	938	937	937	936	935	935	934	934	934	934	934	934	934	935	935	936	936	936	936	934	943	936
Mar 31	937	937	937	937	936	936	936	935	935	934	933	931	930	929	927	925	924	923	923	923	923	924	924	926	923	937	930
Diurnal Maximum	958	958	958	958	958	958	958	957	957	956	956	955	955	955	955	954	954	954	955	956	956	957	957	957			
Diurnal Average	941	941	941	941	941	941	942	942	942	941	941	941	941	941	941	940	940	940	940	941	941	941	941	941			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

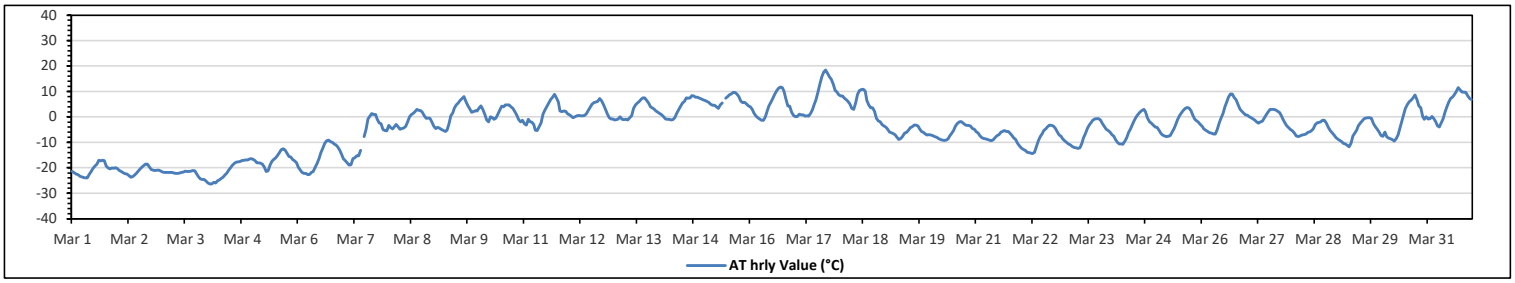
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	18.4	°C	on Mar 17 at hr 16	Hours in Service:	744	
Maximum Daily Value:	7.6	°C	on Mar 17	Hours of Data:	742	
Minimum Hourly Value:	-26.3	°C	on Mar 4 at hr 1	Hours of Missing Data:	2	
Minimum Daily Value:	-22.3	°C	on Mar 3	Hours of Calibration:	0	
Monthly Average:	-4.5	°C		Operational Uptime:	99.7	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	-21.4	-21.9	-22.4	-22.7	-23.3	-23.6	-23.8	-24	-23.9	-22.6	-21.4	-20.2	-19.2	-18.5	-17	-17.3	-17	-17.1	-19.3	-20.1	-20.4	-20.1	-20.2	-19.9	-24.0	-17.0	-20.7
Mar 2	-20.3	-21.1	-21.5	-21.9	-22.3	-22.5	-23	-23.7	-23.4	-22.9	-22	-21.3	-20.4	-19.6	-19	-18.6	-18.6	-19.7	-20.6	-20.9	-21	-20.9	-20.9	-21.3	-23.7	-18.6	-21.1
Mar 3	-21.6	-21.7	-21.7	-21.7	-21.7	-21.8	-22	-22.2	-22.2	-22	-21.8	-21.6	-21.3	-21.4	-21.4	-21.3	-21.1	-21.2	-22.4	-23.4	-24.3	-24.6	-24.6	-25.2	-25.2	-21.1	**-22.3**
Mar 4	-25.9	**-26.3**	**-26.3**	-25.6	-25.9	-25.1	-24.8	-24.2	-23.7	-22.9	-22	-21.1	-20.1	-19	-18.3	-17.7	-17.6	-17.5	-17.2	-17	-16.9	-16.9	-16.5	-16.4	**-26.3**	-16.4	-21.0
Mar 5	-16.6	-17.2	-18	-18	-18.2	-18.6	-19.7	-21.5	-21.2	-18.9	-17.4	-16.6	-16.1	-14.9	-13.8	-12.9	-12.5	-13	-14.3	-15.5	-15.8	-16.8	-17.3	-18	-21.5	-12.5	-16.8
Mar 6	-19.6	-20.8	-21.8	-22.1	-22.1	-22.7	-22.6	-21.7	-21.5	-19.8	-18.3	-16.3	-14	-12.2	-10.4	-9.4	-9.1	-9.7	-10	-10.6	-11	-11.9	-12.8	-14.5	-22.7	-9.1	-16.0
Mar 7	-16.3	-17.2	-18	-18.9	-18.8	-16.4	-16	-15.2	-15.2	-13.1	K	-7.7	-4.9	-0.8	0.3	1.3	1	1	-0.9	-2.3	-2.7	-4.9	-5.3	-5.5	-18.9	1.3	-8.5
Mar 8	-3.3	-4.2	-4.7	-4	-2.9	-3.9	-4.8	-4.6	-4.3	-3.7	-1.9	0	1	1.5	2.3	2.9	2.6	2.5	1.8	0.5	-0.5	-0.4	-0.5	-2	-4.8	2.9	-1.3
Mar 9	-3.7	-4.5	-4.1	-4.4	-5	-5.4	-5.6	-5.2	-2.8	0.4	1.6	3.5	4.8	5.5	6.5	7.3	8	6.2	4.5	3.2	1.8	2.1	2.5	2.4	-5.6	8.0	0.8
Mar 10	3.5	4.3	3	1.1	-1.2	-1.9	0	-0.3	-0.9	-0.4	1.1	2.7	4.2	3.9	4.8	4.7	4.7	4	3.4	2.1	0.7	-1.1	-1.9	-1.4	-1.9	4.8	1.6
Mar 11	-2.7	-3.1	-0.9	-1.8	-2	-2.9	-5.2	-5.4	-3.9	-2.3	1.1	2.7	4.1	5.4	6.8	7.8	8.9	7.5	5.9	2.4	2.1	2.4	2.2	1.2	-5.4	8.9	1.3
Mar 12	0.8	0.2	-0.3	0	0.4	0.6	0.5	0.4	0.6	1.3	2.5	3.8	5	5.6	5.9	6.1	7.3	6.4	4.9	3.1	1.2	-0.3	-0.8	-0.8	-0.8	7.3	2.3
Mar 13	-1.2	-1	-0.8	0	-0.9	-1.1	-0.9	-1.2	-0.3	0.5	3.4	4.8	5.4	6.2	7	7.5	7.5	6.5	5.4	4	3.6	3.1	2.4	1.8	-1.2	7.5	2.6
Mar 14	1.3	0.9	0	-0.8	-0.9	-0.9	-1.2	-1	-0.2	1.5	2.8	4.2	5.5	6.2	7.5	7.4	7.5	8.4	8.3	7.8	7.8	7.4	7.1	6.7	-1.2	8.4	3.9
Mar 15	6.5	6.1	5.7	5	4.6	4.6	3.9	3.4	4.7	5.4	K	7.4	7.9	8.8	9	9.6	9.6	9.1	7.9	6.3	5.6	5.7	5.1	4.3	3.4	9.6	6.4
Mar 16	3.9	3	1.6	0.5	-0.2	-0.8	-1.3	-1.4	0	2.5	4.3	5.8	7.3	8.9	10.3	11.3	11.8	11.6	10.1	7.1	4.4	4.2	1.9	0.6	-1.4	11.8	4.5
Mar 17	0	0.2	1.1	0.8	0.8	0.3	0.5	0.3	1.3	2.8	4.8	6.7	9.6	12.8	15.7	17.5	**18.4**	17.2	15.9	14.7	13	10.4	9.9	8.8	0.0	**18.4**	**7.6**
Mar 18	8.3	8.3	7.4	6.7	6.1	5.1	3.4	3	5.5	8.9	10.4	10.8	10.9	10.1	6.5	4.7	3.6	3.7	2.2	-0.5	-1.5	-1.9	-3	-3.5	-3.5	10.9	4.8
Mar 19	-4.1	-4.8	-5.9	-6.2	-6.6	-7.1	-8	-8.9	-8.5	-7.6	-6.3	-6.1	-5.2	-4.2	-3.9	-3.2	-3.2	-3.6	-4.7	-5.7	-6.1	-6.7	-7	-6.9	-8.9	-3.2	-5.9
Mar 20	-7.1	-7.3	-7.7	-8	-8.5	-8.9	-9.1	-9.2	-9.1	-8.6	-7.5	-6.5	-5.3	-3.5	-2.6	-1.9	-1.8	-2.5	-3	-3.3	-3.3	-3.6	-4.5	-4.8	-9.2	-1.8	-5.7
Mar 21	-5.8	-6.4	-7.3	-8.1	-8.5	-8.6	-8.8	-9.1	-9.4	-9	-8.1	-7.3	-6.9	-5.9	-5.6	-5.4	-5.6	-5.7	-6.3	-7.2	-8.2	-8.9	-10.4	-11.3	-11.3	-5.4	-7.7
Mar 22	-12.2	-12.7	-13.2	-13.8	-14	-14.3	-14.4	-13.9	-11.6	-9.4	-7.7	-6.6	-5.3	-4.7	-3.9	-3.2	-3.3	-3.5	-4.4	-5.8	-7	-7.6	-8.6	-9.4	-14.4	-3.2	-8.8
Mar 23	-9.9	-10.7	-11	-11.6	-12	-12.1	-12.3	-12.1	-10.3	-8.2	-6.6	-4.5	-3.2	-2.2	-1.4	-0.8	-0.6	-0.6	-1.2	-2.6	-3.7	-4.8	-5.3	-6	-12.3	-0.6	-6.4
Mar 24	-6.9	-7.6	-8.9	-9.9	-10.6	-10.7	-10.8	-9.6	-8.2	-6.1	-4.7	-2.9	-1.3	0	1.1	2	2.6	2.9	2	-0.4	-1.8	-2.5	-3.2	-4	-10.8	2.9	-4.1
Mar 25	-4.1	-5.2	-6.5	-7	-7.5	-7.7	-7.6	-7.3	-5.9	-4.6	-3	-1.1	0.4	1.6	2.6	3.4	3.8	3.5	2.5	0.6	-0.9	-1.5	-2.1	-2.9	-7.7	3.8	-2.4
Mar 26	-3.7	-4.7	-5.2	-5.7	-6.2	-6.4	-6.7	-6.8	-5	-2.5	-0.4	1.3	4	6	7.8	9	9	7.7	6.7	4.9	3.1	2.4	1.6	0.8	-6.8	9.0	0.5
Mar 27	0.7	0.1	-0.2	-0.8	-1.4	-2	-2.4	-1.9	-1.7	-0.4	0.8	2	3	2.9	3	2.7	2.2	1.7	0.6	-1.1	-2.5	-3.4	-4.2	-4.9	-4.9	3.0	-0.3
Mar 28	-5.5	-6.4	-7.4	-7.7	-7.4	-7.1	-6.9	-6.7	-6.1	-5.8	-5.5	-4.7	-3	-2.3	-2.2	-1.9	-1.3	-1.4	-2.4	-4.1	-5.3	-6.2	-7.1	-8.1	-8.1	-1.3	-5.1
Mar 29	-8.7	-9.2	-9.6	-10.4	-10.7	-11.1	-11.7	-10.4	-7.4	-6.3	-5.1	-3.4	-2.4	-1.5	-0.7	-0.4	-0.2	-0.2	-0.5	-2.6	-3.9	-4.8	-5.9	-7.3	-11.7	-0.2	-5.6
Mar 30	-7.6	-6	-7.8	-8.3	-8.6	-9	-9.5	-8.6	-7.1	-4.8	-2.1	0.7	3.3	4.9	6	6.6	7.5	8.6	6.8	4.4	3.7	0.2	-0.9	0	-9.5	8.6	-1.2
Mar 31	-0.8	-0.6	0.2	-0.6	-1.9	-3.4	-4	-2.3	-0.6	2	4.1	6	7.4	7.8	8.8	10	11.6	10.6	9.7	9.7	9.6	8.3	7.3	6.8	-4.0	11.6	4.4
Diurnal Maximum	8.3	8.3	7.4	6.7	6.1	5.1	3.9	3.4	5.5	8.9	10.4	10.8	10.9	12.8	15.7	17.5	18.4	17.2	15.9	14.7	13.0	10.4	9.9	8.8			
Diurnal Average	-6.6	-7.0	-7.5	-7.9	-8.3	-8.6	-8.9	-8.8	-7.8	-6.3	-5.0	-3.4	-2.1	-1.1	-0.3	0.3	0.5	0.1	-0.9	-2.3	-3.2	-4.0	-4.6	-5.2			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

STATION TEMPERATURE (ST) in Degree Celsius

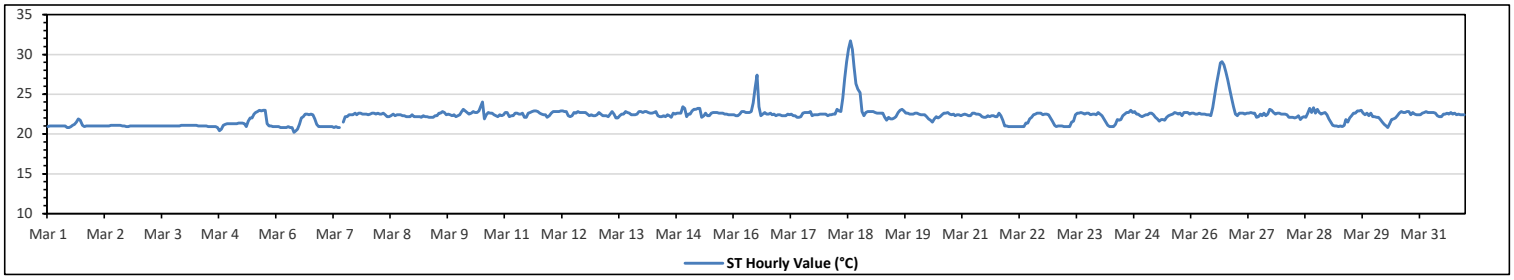
Maximum Hourly Value:	31.7	°C	on Mar 18 at hr 13	Hours in Service:	744	
Maximum Daily Value:	24.8	°C	on Mar 18	Hours of Data:	743	
Minimum Hourly Value:	20.2	°C	on Mar 6 at hr 9	Hours of Missing Data:	1	
Minimum Daily Value:	21.0	°C	on Mar 4	Hours of Calibration:	0	
Monthly Average:	22.3	°C		Operational Uptime:	99.9	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.8	20.8	20.9	21.1	21.2	21.5	21.9	21.7	21.1	20.9	21.0	21.0	21.0	21.0	20.8	21.9	21.1
Mar 2	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.0	21.0	20.9	20.9	21.0	21.0	21.0	21.0	21.0	20.9	21.1	21.0
Mar 3	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.1	21.1	21.0	21.1	21.0
Mar 4	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.0	21.0	21.0	21.0	21.0	20.9	20.9	20.9	20.9	20.9	20.8	20.4	20.6	21.1	21.2	21.3	21.3	20.4	21.3	**21.0**
Mar 5	21.3	21.3	21.3	21.3	21.4	21.4	21.4	21.3	20.9	21.6	22.0	22.0	22.5	22.7	22.8	23.0	22.9	23.0	23.0	21.3	21.0	21.0	20.9	20.9	20.9	23.0	21.8
Mar 6	20.9	20.9	20.8	20.8	20.8	20.8	20.9	20.8	20.8	**20.2**	20.4	20.6	21.2	22.0	22.2	22.5	22.5	22.4	22.5	22.4	21.9	21.2	20.9	20.9	**20.2**	22.5	21.3
Mar 7	20.9	20.9	20.9	20.9	20.9	20.9	20.8	20.9	20.8	20.8	K	21.5	22.2	22.2	22.4	22.4	22.4	22.6	22.4	22.6	22.6	22.5	22.5	22.5	20.8	22.6	21.7
Mar 8	22.4	22.5	22.6	22.6	22.5	22.6	22.5	22.5	22.6	22.4	22.2	22.2	22.3	22.5	22.3	22.4	22.4	22.4	22.3	22.3	22.2	22.2	22.2	22.4	22.2	22.6	22.4
Mar 9	22.2	22.2	22.2	22.2	22.1	22.3	22.2	22.2	22.1	22.1	22.1	22.3	22.3	22.6	22.6	22.8	22.7	22.4	22.5	22.4	22.3	22.4	22.2	22.3	22.1	22.8	22.3
Mar 10	22.4	22.8	23.1	22.9	22.7	22.5	22.6	22.8	22.7	22.7	22.9	23.4	24.0	21.9	22.4	22.7	22.6	22.6	22.4	22.3	22.2	22.4	22.3	22.4	21.9	24.0	22.7
Mar 11	22.7	22.7	22.2	22.3	22.3	22.6	22.6	22.5	22.5	22.6	22.1	22.1	22.6	22.7	22.8	22.9	22.9	22.8	22.6	22.5	22.4	22.4	22.1	22.3	22.1	22.9	22.5
Mar 12	22.6	22.8	22.8	22.8	22.8	22.9	22.9	22.8	22.8	22.3	22.2	22.3	22.7	22.6	22.8	22.7	22.7	22.7	22.7	22.5	22.3	22.4	22.3	22.3	22.2	22.9	22.6
Mar 13	22.4	22.7	22.5	22.3	22.3	22.3	22.2	22.5	22.8	22.5	22.0	22.0	22.3	22.5	22.5	22.8	22.7	22.6	22.4	22.4	22.4	22.5	22.8	22.8	22.0	22.8	22.5
Mar 14	22.7	22.8	22.8	22.7	22.6	22.6	22.7	22.8	22.3	22.2	22.2	22.3	22.2	22.4	22.3	22.1	22.6	22.5	22.6	22.6	22.6	23.4	23.2	22.2	22.1	23.4	22.6
Mar 15	22.5	22.5	22.9	23.1	23.1	23.2	23.2	22.1	22.3	22.6	22.3	22.3	22.6	22.7	22.7	22.7	22.6	22.6	22.6	22.5	22.5	22.4	22.4	22.4	22.1	23.2	22.6
Mar 16	22.4	22.3	22.3	22.5	22.8	22.8	22.7	22.7	22.7	22.8	23.9	25.8	27.4	23.4	22.3	22.5	22.7	22.5	22.5	22.6	22.4	22.5	22.3	22.4	22.3	27.4	23.0
Mar 17	22.4	22.3	22.3	22.3	22.5	22.4	22.5	22.3	22.3	22.1	22.1	22.2	22.6	22.7	22.7	22.7	22.8	22.3	22.4	22.4	22.4	22.5	22.5	22.5	22.1	22.8	22.4
Mar 18	22.5	22.3	22.4	22.4	22.5	22.5	23.1	22.9	22.8	24.5	27.0	29.1	30.7	**31.7**	30.6	28.5	26.3	25.6	25.2	22.8	22.3	22.7	22.8	22.8	22.3	**31.7**	**24.8**
Mar 19	22.8	22.8	22.7	22.6	22.6	22.6	22.6	22.1	21.7	22.1	21.9	21.9	22.0	22.2	22.7	23.0	23.1	22.9	22.6	22.6	22.5	22.5	22.5	22.6	21.7	23.1	22.5
Mar 20	22.6	22.5	22.4	22.4	22.4	22.2	21.9	21.7	21.5	21.9	22.2	22.0	22.2	22.4	22.6	22.6	22.7	22.5	22.4	22.5	22.3	22.4	22.4	22.3	21.5	22.7	22.3
Mar 21	22.4	22.5	22.4	22.3	22.3	22.6	22.6	22.5	22.5	22.4	22.2	22.1	22.1	22.3	22.2	22.3	22.3	22.2	22.2	22.6	22.3	21.7	21.0	21.0	21.0	22.6	22.2
Mar 22	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	21.4	21.4	21.9	22.1	22.4	22.5	22.6	22.6	22.6	22.4	22.5	22.5	22.4	22.0	21.6	20.9	22.6	21.7
Mar 23	21.1	20.9	21.0	21.0	21.0	20.9	20.9	20.9	20.9	21.5	21.6	22.4	22.6	22.6	22.7	22.6	22.5	22.6	22.6	22.4	22.5	22.5	22.4	22.7	20.9	22.7	21.9
Mar 24	22.5	22.3	21.9	21.5	21.1	20.9	20.9	20.9	21.2	21.8	21.7	21.8	22.3	22.5	22.7	22.7	23.0	22.7	22.8	22.5	22.5	22.3	22.2	22.3	20.9	23.0	22.0
Mar 25	22.4	22.4	22.6	22.6	22.4	22.1	21.9	21.6	21.8	21.8	21.7	22.1	22.3	22.4	22.5	22.7	22.6	22.5	22.6	22.3	22.7	22.7	22.7	22.5	21.6	22.7	22.3
Mar 26	22.6	22.6	22.5	22.5	22.6	22.5	22.5	22.5	22.4	22.4	22.3	23.3	24.8	26.3	27.6	28.9	29.1	28.7	27.8	26.8	25.6	24.5	23.4	22.5	22.3	29.1	24.4
Mar 27	22.3	22.6	22.6	22.6	22.5	22.6	22.6	22.7	22.6	22.6	22.1	22.2	22.5	22.3	22.6	22.3	22.5	23.1	23.0	22.7	22.5	22.6	22.6	22.5	22.1	23.1	22.6
Mar 28	22.5	22.5	22.4	22.1	22.1	22.1	22.0	22.1	22.3	21.8	22.1	22.2	22.1	22.6	23.2	22.7	23.3	22.6	23.1	22.7	22.5	22.6	22.7	22.4	21.8	23.3	22.4
Mar 29	21.9	21.5	21.1	21.0	21.0	20.9	21.0	20.9	21.1	21.8	21.5	22.0	22.3	22.6	22.6	22.9	22.9	23.0	22.6	22.4	22.6	22.3	22.6	22.2	20.9	23.0	21.9
Mar 30	22.2	22.1	22.1	21.8	21.5	21.2	21.0	20.8	21.3	21.8	21.9	22.0	22.3	22.6	22.8	22.7	22.7	22.8	22.8	22.4	22.7	22.5	22.4	22.4	20.8	22.8	22.1
Mar 31	22.4	22.6	22.7	22.8	22.7	22.7	22.7	22.7	22.6	22.3	22.2	22.2	22.5	22.5	22.6	22.5	22.7	22.5	22.6	22.4	22.5	22.4	22.4	22.4	22.2	22.8	22.5
Diurnal Maximum	22.8	22.8	23.1	23.1	23.1	23.2	23.2	22.9	22.8	24.5	27.0	29.1	30.7	31.7	30.6	28.9	29.1	28.7	27.8	26.8	25.6	24.5	23.4	22.8			
Diurnal Average	22.0	22.0	22.0	22.0	22.0	21.9	21.9	21.9	21.8	22.0	22.1	22.3	22.7	22.7	22.8	22.8	22.8	22.7	22.6	22.4	22.3	22.3	22.2	22.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

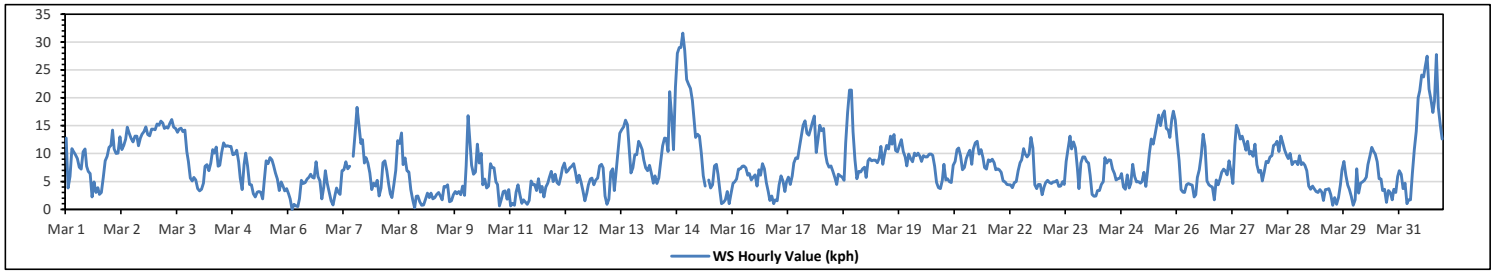
VECTOR WIND SPEED (VWS) in km/hr

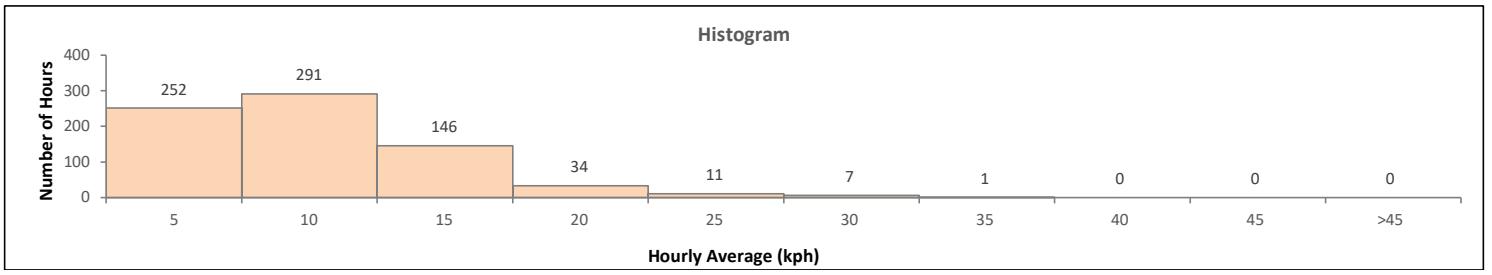
Maximum Hourly Value:	31.6	kph	on Mar 14 at hr 21	Hours in Service:	744	
Maximum Daily Value:	14.8	kph	on Mar 14	Hours of Data:	742	
Minimum Hourly Value:	0.0	kph	on Mar 6 at hr 2	Hours of Missing Data:	2	
Minimum Daily Value:	2.6	kph	on Mar 9	Hours of Calibration:	0	
Monthly Average:	7.8	kph		Operational Uptime:	99.7	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	12.8	3.8	5.9	10.9	10.4	9.8	9.1	7.6	7.2	10.3	10.8	7.7	6.8	6.4	2.2	4.9	3.0	3.9	2.7	3.0	5.7	8.7	9.5	11.1	2.2	12.8	7.3
Mar 2	11.5	14.2	10.8	10.0	10.1	13.0	10.7	11.5	12.6	14.7	13.6	12.7	12.1	13.1	13.1	11.4	12.8	13.5	13.9	14.8	13.4	13.2	14.4	14.4	10.0	14.8	12.7
Mar 3	14.3	15.3	15.1	15.8	15.5	14.5	14.8	14.6	15.4	16.1	14.7	14.5	13.8	14.4	14.6	13.9	14.2	10.4	8.6	5.6	5.1	5.7	5.3	3.7	3.7	16.1	12.3
Mar 4	3.3	3.6	4.7	7.7	8.0	6.9	8.3	10.7	10.1	11.2	7.7	7.9	10.2	11.9	11.3	11.4	11.3	11.3	9.8	9.9	10.6	8.5	5.6	3.5	3.3	11.9	8.6
Mar 5	8.0	10.1	7.7	4.5	4.4	2.8	2.2	3.1	3.2	3.1	1.9	5.1	8.7	8.2	9.3	8.9	7.9	6.5	5.4	3.4	4.9	4.1	3.3	3.7	1.9	10.1	5.4
Mar 6	2.8	1.9	**0.0**	0.9	0.6	0.5	1.9	5.2	4.6	4.8	5.4	5.8	6.3	5.7	5.6	8.5	5.9	5.1	1.9	4.0	6.9	4.6	3.1	1.5	**0.0**	8.5	3.9
Mar 7	0.8	2.5	3.8	3.0	2.7	6.9	7.1	8.5	7.3	7.7	**K**	9.5	13.7	18.3	15.1	11.8	12.5	8.3	9.3	8.3	6.5	3.5	4.7	4.2	0.8	18.3	7.7
Mar 8	5.2	2.4	3.8	8.4	8.7	6.9	4.5	2.8	2.1	4.4	7.0	12.3	11.8	13.7	8.0	9.2	6.9	6.7	3.5	1.7	0.3	2.3	2.4	1.4	0.3	13.7	5.7
Mar 9	0.7	0.8	1.8	2.9	2.1	2.9	1.9	2.1	2.7	3.0	2.3	1.7	4.1	4.0	4.4	1.4	1.5	2.6	3.2	2.8	3.2	2.6	4.2	2.5	0.7	4.4	**2.6**
Mar 10	7.8	16.8	11.9	7.9	6.3	6.7	11.7	8.3	10.0	4.4	5.4	3.8	4.2	8.2	7.5	7.4	4.9	4.5	0.6	1.8	3.2	3.3	1.8	3.5	0.6	16.8	6.3
Mar 11	0.6	1.1	0.7	3.1	4.4	2.6	1.1	1.7	1.3	0.9	1.6	5.1	4.4	4.5	3.4	5.5	3.1	4.1	2.2	4.0	4.7	5.7	6.8	5.0	0.6	6.8	3.2
Mar 12	6.3	4.8	4.5	5.9	7.4	8.3	6.6	6.9	7.4	7.7	8.2	6.5	4.8	6.1	4.9	3.3	1.5	2.9	4.4	5.4	5.6	4.4	5.3	5.6	1.5	8.3	5.6
Mar 13	7.8	8.1	7.4	2.4	0.9	1.8	6.7	7.3	3.4	7.0	10.1	13.6	14.3	14.8	16.0	15.2	11.3	6.5	7.4	9.8	9.8	12.2	11.6	10.7	0.9	16.0	9.0
Mar 14	8.9	7.4	6.9	7.9	6.4	4.7	6.0	4.6	5.6	8.6	11.4	12.8	12.7	10.4	21.1	16.8	10.7	21.9	28.0	29.0	29.0	**31.6**	28.5	23.3	4.6	**31.6**	**14.8**
Mar 15	22.4	21.7	19.5	16.2	12.9	13.5	13.1	10.0	6.0	4.2	**K**	5.3	3.8	4.4	7.8	8.1	6.3	3.3	1.0	1.2	1.7	3.2	1.0	2.9	1.0	22.4	8.2
Mar 16	4.7	4.9	5.4	7.2	7.3	7.7	7.8	7.4	6.1	6.4	5.3	5.8	6.2	4.2	7.1	6.1	8.2	7.3	4.8	3.2	1.6	2.4	1.0	1.7	1.0	8.2	5.4
Mar 17	1.5	4.4	6.0	5.1	3.2	4.9	5.8	4.5	6.0	8.3	9.2	9.1	11.3	13.0	15.1	15.9	13.6	13.3	14.5	15.6	16.7	10.2	12.8	15.1	1.5	16.7	9.8
Mar 18	14.1	14.5	9.9	8.4	7.6	7.8	6.8	5.7	4.5	6.3	6.0	5.8	5.2	11.9	17.4	21.4	21.4	13.9	8.9	5.5	6.8	6.7	7.3	7.6	4.5	21.4	9.6
Mar 19	5.7	8.7	9.1	8.7	8.8	8.8	8.4	9.2	11.3	8.1	10.0	11.5	10.8	13.1	11.7	13.4	10.5	10.3	11.5	12.5	10.4	9.4	7.8	9.9	5.7	13.4	10.0
Mar 20	9.1	8.5	10.1	9.6	10.1	9.5	8.6	9.6	9.4	9.4	9.9	9.9	9.7	7.7	4.8	3.9	3.7	5.2	8.1	5.3	5.5	5.0	4.8	7.9	3.7	10.1	7.7
Mar 21	8.6	10.7	11.0	9.6	7.1	7.5	9.1	10.0	10.6	8.1	10.8	11.9	12.2	9.9	10.7	9.3	7.5	7.2	8.9	8.6	9.0	8.4	7.1	7.3	7.1	12.2	9.2
Mar 22	7.1	6.6	5.1	4.9	4.5	4.4	4.4	3.9	4.8	5.0	6.9	8.4	8.9	10.9	9.9	9.4	9.9	12.9	11.0	4.4	3.7	4.5	4.5	2.6	2.6	12.9	6.6
Mar 23	4.0	4.8	5.2	4.8	4.6	4.9	4.9	5.2	4.1	4.2	5.0	4.5	8.6	10.9	13.1	10.8	12.1	11.0	7.4	3.7	8.3	9.4	9.4	8.6	3.7	13.1	7.1
Mar 24	8.3	6.1	2.7	2.3	2.4	3.4	3.4	4.5	5.0	9.3	8.3	8.9	8.8	7.2	6.4	5.3	5.5	5.6	6.4	4.0	3.6	6.2	3.8	4.6	2.3	9.3	5.5
Mar 25	8.1	5.9	4.9	5.0	4.7	5.0	6.6	4.1	6.6	10.0	12.6	11.7	13.5	15.1	16.9	15.0	16.9	17.7	14.5	14.2	12.9	16.1	17.6	16.0	4.1	17.7	11.3
Mar 26	12.1	8.7	3.5	3.1	3.0	4.4	4.6	4.5	4.3	2.2	2.6	5.7	7.1	9.6	13.5	11.3	5.1	4.4	4.2	4.0	1.7	5.3	4.4	5.5	1.7	13.5	5.6
Mar 27	6.6	7.2	6.9	6.2	8.7	6.9	4.6	11.5	15.1	14.2	12.6	13.1	11.9	10.6	12.2	9.9	10.4	9.5	11.7	8.0	6.6	7.0	5.1	6.7	4.6	15.1	9.3
Mar 28	8.6	8.4	9.4	9.6	11.5	11.7	12.2	10.4	13.1	11.9	10.6	9.7	9.1	10.0	8.0	8.5	8.6	8.0	9.6	8.0	8.4	7.9	6.9	4.2	4.2	13.1	9.3
Mar 29	3.6	4.2	3.7	3.2	3.0	3.5	3.1	1.6	3.5	3.6	3.7	2.6	0.7	2.1	0.9	2.1	4.4	7.1	8.6	6.1	4.3	3.6	2.3	0.7	0.7	8.6	3.4
Mar 30	1.7	7.3	2.9	4.7	4.9	5.2	5.8	8.0	9.5	11.1	10.4	9.9	8.5	5.5	5.4	3.4	3.6	1.2	3.4	3.0	1.7	3.6	3.0	5.9	1.2	11.1	5.4
Mar 31	6.9	6.3	3.7	4.7	1.0	1.7	1.7	6.5	10.7	14.0	20.0	21.3	24.1	23.7	25.6	27.5	21.6	19.7	17.4	19.4	27.8	18.3	15.2	12.6	1.0	27.8	14.6
Diurnal Maximum	22.4	21.7	19.5	16.2	15.5	14.5	14.8	14.6	15.4	16.1	20.0	21.3	24.1	23.7	25.6	27.5	21.6	21.9	28.0	29.0	29.0	31.6	28.5	23.3			
Diurnal Average	7.2	7.5	6.6	6.6	6.2	6.4	6.6	6.8	7.2	7.7	8.4	8.8	9.3	10.0	10.4	10.0	8.9	8.6	8.2	7.4	7.7	7.7	7.1	6.9			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



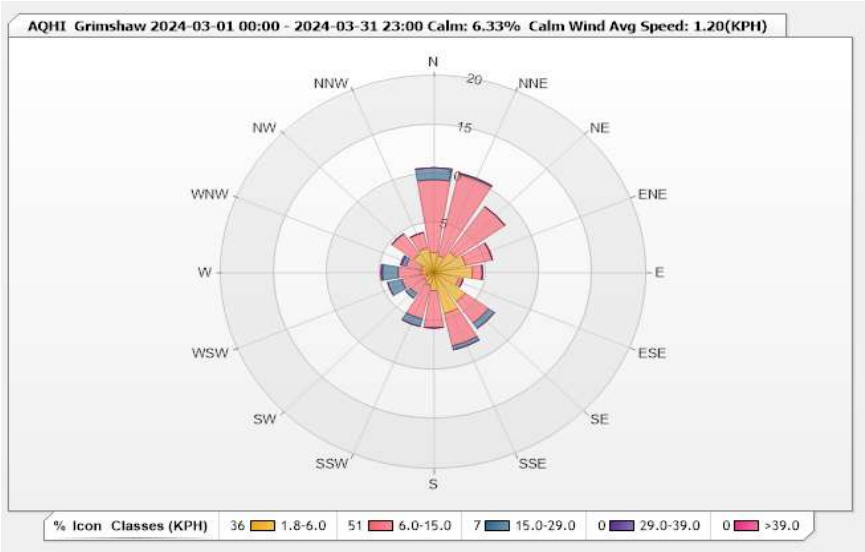


Station: AQHI Grimshaw Monitor: WDS [KPH] Monthly: 03-2024

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 6.33% Valid Data: 99.73%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	2.02	7.41	1.21	0	0	10.64
NNE	1.75	8.49	0.13	0	0	10.37
NE	2.56	5.66	0	0	0	8.22
ENE	3.1	2.56	0	0	0	5.66
E	3.64	0.94	0	0	0	4.58
ESE	2.43	0.4	0	0	0	2.83
SE	3.64	2.7	0.67	0	0	7.01
SSE	4.31	3.37	0.4	0	0	8.08
S	1.89	3.77	0	0	0	5.66
SSW	1.35	3.5	0.81	0	0	5.66
SW	1.08	1.62	0.54	0	0	3.24
WSW	0.67	2.43	1.35	0	0	4.45
W	1.21	2.16	1.48	0.13	0	4.98
WNW	1.21	1.48	0.4	0.13	0	3.22
NW	2.29	2.56	0	0	0	4.85
NNW	2.56	1.62	0	0	0	4.18
Summary	35.71	50.67	6.99	0.26	0	93.63



Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

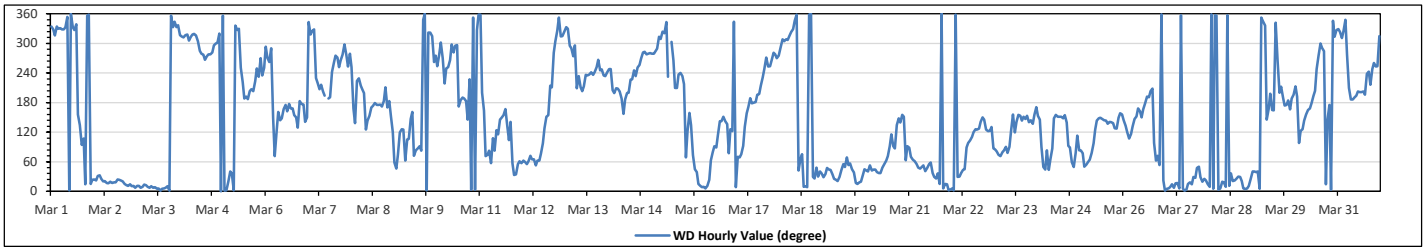
WIND DIRECTION (VWD) in sector

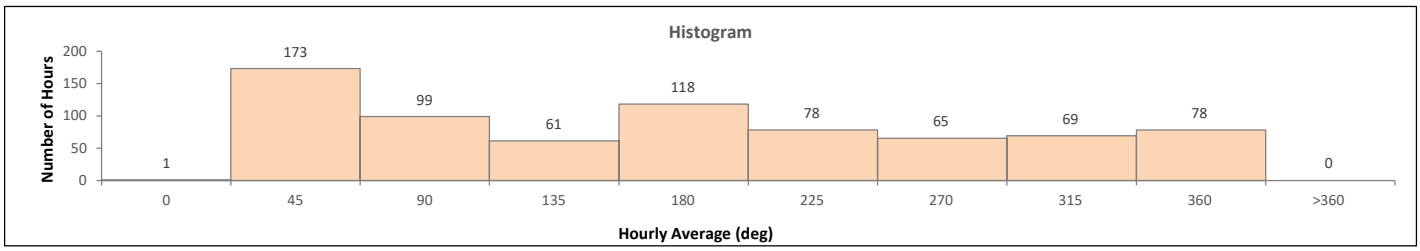
Monthly Average:	47 (NE)	degree	
Hours in Service:	744		
Hours of Data:	742		
Hours of Missing Data:	2		
Hours of Calibration:	0		
Operational Uptime:	99.7		

Day	Hourly Period Starting at (MST)																						Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Mar 1	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	NW	NNW	SSE	SE	E	ESE	NNE	N	N	NNE	NNE	352	N
Mar 2	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	NNE	N	19	NNE
Mar 3	NNE	NNE	N	N	NNE	NNE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	NNW	NNW	NNW	NNW	2	N
Mar 4	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	W	W	W	W	W	W	W	WNW	WNW	WNW	NW	N	302	WNW
Mar 5	N	N	N	NNE	NE	NE	N	NNW	NW	NNW	WSW	SW	S	S	S	SSW	SSW	SSW	SW	WSW	SW	W	SW	WSW	268	W
Mar 6	WNW	W	W	WNW	SSE	ENE	ESE	SSE	SE	SE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	SE	S	S	S	SE	SSE	166	SSE
Mar 7	NNW	NW	NW	NNW	SW	SW	SSW	SW	SSW	SSW	K	S	S	WSW	W	W	W	WSW	W	W	WNW	W	WSW	W	256	WSW
Mar 8	WSW	SSE	SE	SW	SW	SSW	SSW	SSW	SE	SE	SSE	SSE	S	S	S	S	S	S	S	SSW	SSE	S	SSE	ESE	178	S
Mar 9	ENE	NE	ENE	ESE	SE	SE	ENE	ESE	ESE	SE	SSE	ENE	E	E	E	E	NNW	N	N	NW	NW	NW	W	W	68	ENE
Mar 10	WSW	W	WNW	W	SW	WSW	WSW	W	WNW	W	WNW	WNW	S	S	S	S	S	SE	SW	N	N	N	NW	N	264	W
Mar 11	N	SSW	SSE	ENE	ENE	E	ENE	ESE	E	ESE	ESE	SE	SSE	SSE	SSE	SE	ESE	SE	NE	NNE	NE	NE	ENE	ENE	98	E
Mar 12	ENE	ENE	NE	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	E	SE	SSE	SSE	SSW	SSW	W	WNW	NW	N	NW	NW	NW	51	NE
Mar 13	NNW	NNW	WNW	WNW	W	WNW	SSW	SW	SSW	SSW	SSW	SW	SW	SW	WSW	SW	WSW	WSW	W	WSW	WSW	SW	SW	WSW	249	WSW
Mar 14	WSW	WSW	SSW	SSW	SSW	SSW	SSW	S	SSE	S	SSW	SSW	SW	SW	WSW	SW	WSW	WSW	W	W	W	W	W	W	232	SW
Mar 15	W	W	WNW	WNW	NW	NW	NW	NW	NNW	SW	K	WNW	W	SSW	SSW	SW	WSW	SW	SW	ENE	ESE	SSE	SE	ENE	264	W
Mar 16	NE	NE	NNE	NNE	N	N	N	NNE	NNE	ENE	E	E	E	ESE	SE	SE	SSE	SE	SE	ENE	SE	ESE	NNW	N	67	ENE
Mar 17	ENE	ENE	ENE	E	SE	SSE	S	S	S	S	S	SSW	SSW	SSW	SW	WSW	W	WSW	WSW	W	W	W	W	W	211	SSW
Mar 18	WNW	NW	WNW	NW	NW	NW	NW	NNW	NNW	N	NE	ENE	ENE	N	N	N	N	N	NNE	NNE	NE	NNE	NE	NE	1	N
Mar 19	NNE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	NE	NE	NE	ENE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NE	37	NE
Mar 20	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	E	ESE	E	E	SE	SE	SE	SSE	SSE	ENE	E	75	ENE
Mar 21	E	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	NE	NNE	NNE	NE	NNE	N	N	NNE	NNE	N	N	38	NE
Mar 22	N	N	N	NNE	NNE	NE	NE	NE	E	E	ESE	ESE	ESE	SE	SE	SE	SE	SSE	SE	SE	ESE	ESE	SE	E	92	E
Mar 23	E	E	ENE	ENE	ENE	E	E	ENE	E	ESE	SSE	ESE	SE	SSE	SSE	SE	SSE	SE	SSE	SE	SE	SE	SSE	S	122	ESE
Mar 24	SSE	SE	E	NE	NE	E	NE	ENE	E	SE	SSE	SSE	SSE	SSE	SE	SSE	SE	E	E	ENE	NE	ENE	ESE	E	105	ESE
Mar 25	E	ENE	NE	NE	ENE	ENE	ENE	E	SE	SE	SE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	120	ESE
Mar 26	SE	SE	ESE	ESE	ESE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSW	SSW	E	ENE	ENE	NE	N	NNE	N	134	SE
Mar 27	N	N	N	NNE	N	NNE	NNE	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NE	NE	NNE	NNE	NNE	NNE	NNE	16	NNE
Mar 28	N	N	N	N	N	N	N	NNE	NNE	N	N	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N	NNE	NNE	13	NNE
Mar 29	NE	NE	NE	NE	N	N	NNW	NNW	SE	SSE	SSW	SSE	SSE	NNW	W	SSW	SSW	S	S	S	S	SSE	S	SSW	175	S
Mar 30	SSW	S	E	ESE	SE	SE	SSE	SSE	SSE	S	S	SSW	WSW	W	WNW	WNW	WNW	NNE	SE	S	N	NNW	NW	NW	202	SSW
Mar 31	NNW	NW	NW	NW	NNW	W	SSW	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	SW	WSW	WSW	WSW	WSW	NW	241	WSW

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

AQHI - Grimshaw Station - March 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	31.6	kph	on Mar 14 at hr 21	Hours in Service:	744
Maximum Daily Value:	14.8	kph	on Mar 14	Hours of Data:	742
Minimum Hourly Value:	0.0	kph	on Mar 6 at hr 2	Hours of Missing Data:	2
Minimum Daily Value:	2.6	kph	on Mar 9	Hours of Calibration:	0
Monthly Average:	7.8	kph		Operational Uptime:	99.7

WIND DIRECTION

Monthly Average: 47 degree (NE)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Mar 1	12.8	3.8	5.9	10.9	10.4	9.8	9.1	7.6	7.2	10.3	10.8	7.7	6.8	6.4	2.2	4.9	3.0	3.9	2.7	3.0	5.7	8.7	9.5	11.1	2.2	12.8	7.3
	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	NW	NNW	SSE	SE	E	ESE	NNE	N	N	NNE	NNE			352(N)
Mar 2	11.5	14.2	10.8	10.0	10.1	13.0	10.7	11.5	12.6	14.7	13.6	12.7	12.1	13.1	13.1	11.4	12.8	13.5	13.9	14.8	13.4	13.2	14.4	14.4	10.0	14.8	12.7
	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	NNE	N			19(NNE)
Mar 3	14.3	15.3	15.1	15.8	15.5	14.5	14.8	14.6	15.4	16.1	14.7	14.5	13.8	14.4	14.6	13.9	14.2	10.4	8.6	5.6	5.1	5.7	5.3	3.7	3.7	16.1	12.3
	NNE	NNE	N	N	NNE	NNE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	NNW	NNW	NNW	NNW			2(N)
Mar 4	3.3	3.6	4.7	7.7	8.0	6.9	8.3	10.7	10.1	11.2	7.7	7.9	10.2	11.9	11.3	11.4	11.3	11.3	9.8	9.9	10.6	8.5	5.6	3.5	3.3	11.9	8.6
	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	W	W	W	W	W	W	W	WNW	WNW	WNW	NW	N			302(WNW)
Mar 5	8.0	10.1	7.7	4.5	4.4	2.8	2.2	3.1	3.2	3.1	1.9	5.1	8.7	8.2	9.3	8.9	7.9	6.5	5.4	3.4	4.9	4.1	3.3	3.7	1.9	10.1	5.4
	N	N	N	NNE	NE	NE	N	NNW	NW	NNW	WSW	SW	S	S	S	SSW	SSW	SSW	SW	WSW	SW	W	SW	WSW			268(W)
Mar 6	2.8	1.9	**0.0**	0.9	0.6	0.5	1.9	5.2	4.6	4.8	5.4	5.8	6.3	5.7	5.6	8.5	5.9	5.1	1.9	4.0	6.9	4.6	3.1	1.5	**0.0**	8.5	3.9
	WNW	W	W	WNW	SSE	ENE	ESE	SSE	SE	SE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	SE	S	S	S	SE	SSE			166(SSE)
Mar 7	0.8	2.5	3.8	3.0	2.7	6.9	7.1	8.5	7.3	7.7	K	9.5	13.7	18.3	15.1	11.8	12.5	8.3	9.3	8.3	6.5	3.5	4.7	4.2	0.8	18.3	7.7
	NNW	NW	NW	NNW	SW	SW	SSW	SW	SSW	SSW	K	S	S	WSW	W	W	W	WSW	W	W	WNW	W	WSW	W			256(WSW)
Mar 8	5.2	2.4	3.8	8.4	8.7	6.9	4.5	2.8	2.1	4.4	7.0	12.3	11.8	13.7	8.0	9.2	6.9	6.7	3.5	1.7	0.3	2.3	2.4	1.4	0.3	13.7	5.7
	WSW	SSE	SE	SW	SW	SSW	SSW	SSW	SE	SE	SSE	SSE	S	S	S	S	S	S	S	SSW	SSE	S	SSE	ESE			178(S)
Mar 9	0.7	0.8	1.8	2.9	2.1	2.9	1.9	2.1	2.7	3.0	2.3	1.7	4.1	4.0	4.4	1.4	1.5	2.6	3.2	2.8	3.2	2.6	4.2	2.5	0.7	4.4	**2.6**
	ENE	NE	ENE	ESE	SE	SE	ENE	ESE	ESE	SE	SSE	ENE	E	E	E	E	NNW	N	N	NW	NW	NW	W	W			68(ENE)
Mar 10	7.8	16.8	11.9	7.9	6.3	6.7	11.7	8.3	10.0	4.4	5.4	3.8	4.2	8.2	7.5	7.4	4.9	4.5	0.6	1.8	3.2	3.3	1.8	3.5	0.6	16.8	6.3
	WSW	W	WNW	W	SW	WSW	WSW	W	WNW	W	WNW	WNW	S	S	S	S	S	SE	SW	N	N	N	NW	N			264(W)
Mar 11	0.6	1.1	0.7	3.1	4.4	2.6	1.1	1.7	1.3	0.9	1.6	5.1	4.4	4.5	3.4	5.5	3.1	4.1	2.2	4.0	4.7	5.7	6.8	5.0	0.6	6.8	3.2
	N	SSW	SSE	ENE	ENE	E	ENE	ESE	E	ESE	ESE	SE	SSE	SSE	SSE	SE	ESE	SE	NE	NNE	NE	NE	ENE	ENE				98(E)
Mar 12	6.3	4.8	4.5	5.9	7.4	8.3	6.6	6.9	7.4	7.7	8.2	6.5	4.8	6.1	4.9	3.3	1.5	2.9	4.4	5.4	5.6	4.4	5.3	5.6	1.5	8.3	5.6
	ENE	ENE	NE	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	E	SE	SSE	SSE	SSW	SSW	W	WNW	NW	N	NW	NW	NW			51(NE)
Mar 13	7.8	8.1	7.4	2.4	0.9	1.8	6.7	7.3	3.4	7.0	10.1	13.6	14.3	14.8	16.0	15.2	11.3	6.5	7.4	9.8	9.8	12.2	11.6	10.7	0.9	16.0	9.0
	NNW	NNW	WNW	WNW	W	WNW	SSW	SW	SSW	SSW	SSW	SW	SW	SW	WSW	SW	WSW	WSW	W	WSW	WSW	SW	SW	WSW			249(WSW)
Mar 14	8.9	7.4	6.9	7.9	6.4	4.7	6.0	4.6	5.6	8.6	11.4	12.8	12.7	10.4	21.1	16.8	10.7	21.9	28.0	29.0	29.0	**31.6**	28.5	23.3	4.6	**31.6**	**14.8**
	WSW	WSW	SSW	SSW	SSW	SSW	SSW	S	SSE	S	SSW	SSW	SW	SW	WSW	SW	WSW	WSW	W	W	W	W	W	W			232(SW)
Mar 15	22.4	21.7	19.5	16.2	12.9	13.5	13.1	10.0	6.0	4.2	K	5.3	3.8	4.4	7.8	8.1	6.3	3.3	1.0	1.2	1.7	3.2	1.0	2.9	1.0	22.4	8.2
	W	W	WNW	WNW	NW	NW	NW	NW	NNW	SW	K	WNW	W	SSW	SSW	SW	WSW	SW	SW	ENE	ESE	SSE	SE	ENE			264(W)
Mar 16	4.7	4.9	5.4	7.2	7.3	7.7	7.8	7.4	6.1	6.4	5.3	5.8	6.2	4.2	7.1	6.1	8.2	7.3	4.8	3.2	1.6	2.4	1.0	1.7	1.0	8.2	5.4
	NE	NE	NNE	NNE	N	N	N	NNE	NNE	ENE	E	E	E	ESE	SE	SE	SSE	SE	SE	ENE	SE	ESE	NNW	N				67(ENE)
Mar 17	1.5	4.4	6.0	5.1	3.2	4.9	5.8	4.5	6.0	8.3	9.2	9.1	11.3	13.0	15.1	15.9	13.6	13.3	14.5	15.6	16.7	10.2	12.8	15.1	1.5	16.7	9.8
	ENE	ENE	ENE	E	SE	SSE	S	S	S	S	S	SSW	SSW	SSW	SW	WSW	W	WSW	WSW	W	W	W	W	W			211(SSW)
Mar 18	14.1	14.5	9.9	8.4	7.6	7.8	6.8	5.7	4.5	6.3	6.0	5.8	5.2	11.9	17.4	21.4	21.4	13.9	8.9	5.5	6.8	6.7	7.3	7.6	4.5	21.4	9.6
	WNW	NW	WNW	NW	NW	NW	NW	NNW	NNW	N	NE	ENE	ENE	N	N	N	N	N	NNE	NNE	NE	NNE	NE	NE				1(N)
Mar 19	5.7	8.7	9.1	8.7	8.8	8.8	8.4	9.2	11.3	8.1	10.0	11.5	10.8	13.1	11.7	13.4	10.5	10.3	11.5	12.5	10.4	9.4	7.8	9.9	5.7	13.4	10.0
	NNE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	NE	NE	NE	ENE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NE				37(NE)
Mar 20	9.1	8.5	10.1	9.6	10.1	9.5	8.6	9.6	9.4	9.4	9.9	9.9	9.7	7.7	4.8	3.9	3.7	5.2	8.1	5.3	5.5	5.0	4.8	7.9	3.7	10.1	7.7
	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	E	ESE	E	E	SE	SE	SE	SSE	SSE	ENE	E				75(ENE)
Mar 21	8.6	10.7	11.0	9.6	7.1	7.5	9.1	10.0	10.6	8.1	10.8	11.9	12.2	9.9	10.7	9.3	7.5	7.2	8.9	8.6	9.0	8.4	7.1	7.3	7.1	12.2	9.2
	E	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	NE	NNE	NNE	NE	NNE	N	N	NNE	NNE	N	N				38(NE)
Mar 22	7.1	6.6	5.1	4.9	4.5	4.4	4.4	3.9	4.8	5.0	6.9	8.4	8.9	10.9	9.9	9.4	9.9	12.9	11.0	4.4	3.7	4.5	4.5	2.6	2.6	12.9	6.6
	N	N	N	NNE	NNE	NE	NE	NE	E	E	ESE	ESE	ESE	SE	SE	SE	SE	SSE	SE	SE	ESE	ESE	SE	E				92(E)
Mar 23	4.0	4.8	5.2	4.8	4.6	4.9	4.9	5.2	4.1	4.2	5.0	4.5	8.6	10.9	13.1	10.8	12.1	11.0	7.4	3.7	8.3	9.4	9.4	8.6	3.7	13.1	7.1
	E	E	ENE	ENE	ENE	E	E	ENE	E	ESE	SSE	ESE	SE	SSE	SSE	SE	SSE	SE	SSE	SE	SE	SE	SSE	S				122(ESE)
Mar 24	8.3	6.1	2.7	2.3	2.4	3.4	3.4	4.5	5.0	9.3	8.3	8.9	8.8	7.2	6.4	5.3	5.5	5.6	6.4	4.0	3.6	6.2	3.8	4.6	2.3	9.3	5.5
	SSE	SE	E	NE	NE	E	NE	ENE	E	SE	SSE	SSE	SSE	SSE	SE	SSE	SE	E	E	ENE	NE	ENE	ESE	E				105(ESE)
Mar 25	8.1	5.9	4.9	5.0	4.7	5.0	6.6	4.1	6.6	10.0	12.6	11.7	13.5	15.1	16.9	15.0	16.9	17.7	14.5	14.2	12.9	16.1	17.6	16.0	4.1	17.7	11.3
	E	ENE	NE	NE	ENE	ENE	ENE	E	SE	SE	SE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE				120(ESE)
Mar 26	12.1	8.7	3.5	3.1	3.0	4.4	4.6	4.5	4.3	2.2	2.6	5.7	7.1	9.6	13.5	11.3	5.1	4.4	4.2	4.0	1.7	5.3	4.4	5.5	1.7	13.5	5.6
	SE	SE	ESE	ESE	ESE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	SSW	SSW	E	ENE	ENE	NE	N	NNE	N				134(SE)
Mar 27	6.6	7.2	6.9	6.2	8.7	6.9	4.6	11.5	15.1	14.2	12.6	13.1	11.9	10.6	12.2	9.9	10.4	9.5	11.7	8.0	6.6	7.0	5.1	6.7	4.6	15.1	9.3
	N	N	N	NNE	N	NNE	NNE	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NE	NE	NNE	NNE	NNE	NNE	NNE				16(NNE)
Mar 28	8.6	8.4	9.4	9.6	11.5	11.7	12.2	10.4	13.1	11.9	10.6	9.7	9.1	10.0	8.0	8.5	8.6	8.0	9.6	8.0	8.4	7.9	6.9	4.2	4.2	13.1	9.3
	N	N	N	N	N	N	N	NNE	NNE	N	N	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N	NNE	NNE				13(NNE)
Mar 29	3.6	4.2	3.7	3.2	3.0	3.5	3.1	1.6	3.5	3.6	3.7	2.6	0.7	2.1	0.9	2.1	4.4	7.1	8.6	6.1	4.3	3.6	2.3	0.7	0.7	8.6	3.4
	NE	NE	NE	NE	N	N	NNW	NNW	SE	SSE	SSW	SSE	SSE	NNW	W	SSW	SSW	S	S	S	S	SSE	S	SSW				175(S)
Mar 30	1.7	7.3	2.9	4.7	4.9	5.2	5.8	8.0	9.5	11.1	10.4	9.9	8.5	5.5	5.4	3.4	3.6	1.2	3.4	3.0	1.7	3.6	3.0	5.9	1.2	11.1	5.4
	SSW	S	E	ESE	SE	SE	SSE	SSE	SSE	S	S	SSW	WSW	W	WNW	WNW	WNW	NNE	SE	S	N	NNW	NW	NW				202(SSW)
Mar 31	6.9	6.3	3.7	4.7	1.0	1.7	1.7	6.5	10.7	14.0	20.0	21.3	24.1	23.7	25.6	27.5	21.6	19.7	17.4	19.4	27.8	18.3	15.2	12.6	1.0	27.8	14.6
	NNW	NW	NW	NW	NNW	W	SSW	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	SW	WSW	WSW	WSW	WSW	NW				241(WSW)

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance		
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)				

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

END OF REPORT

This page, 145 of 145, ends the March 2024 Monthly Ambient Air Quality Monitoring Report.

Peace River Area Monitoring Program

MARCH 2024

Ambient Air Monitoring Calibration Report

- 842-B STATION-

CAL-PRAMP-202403-01561

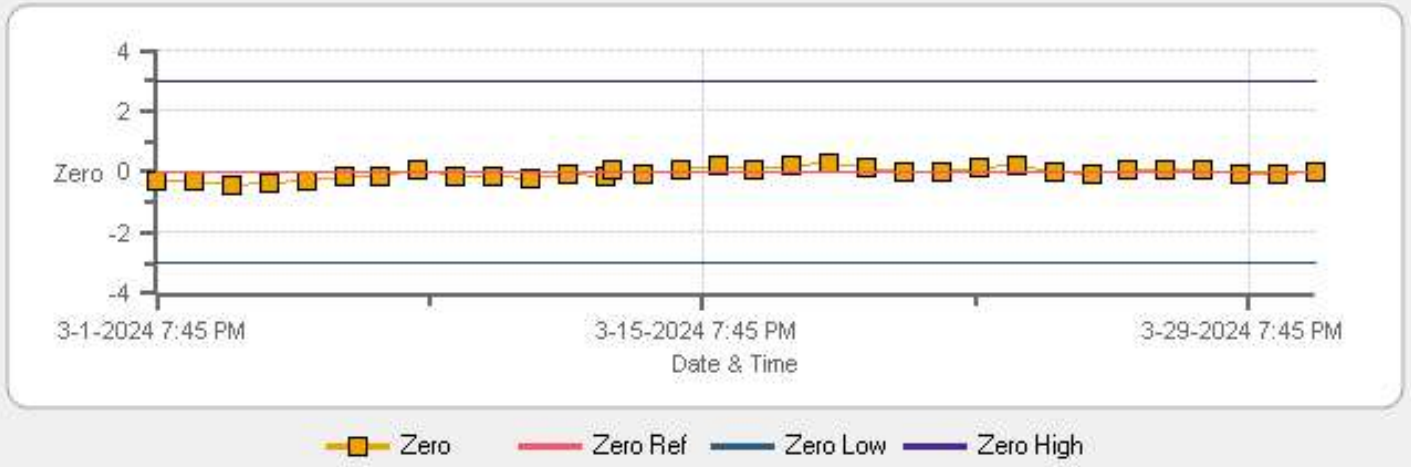
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

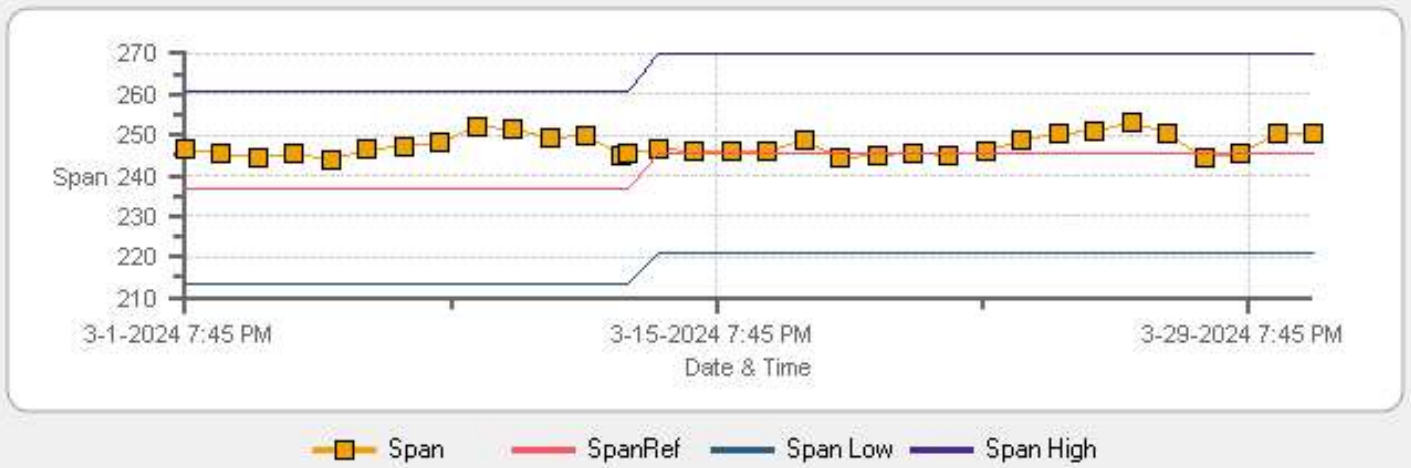
April 5, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

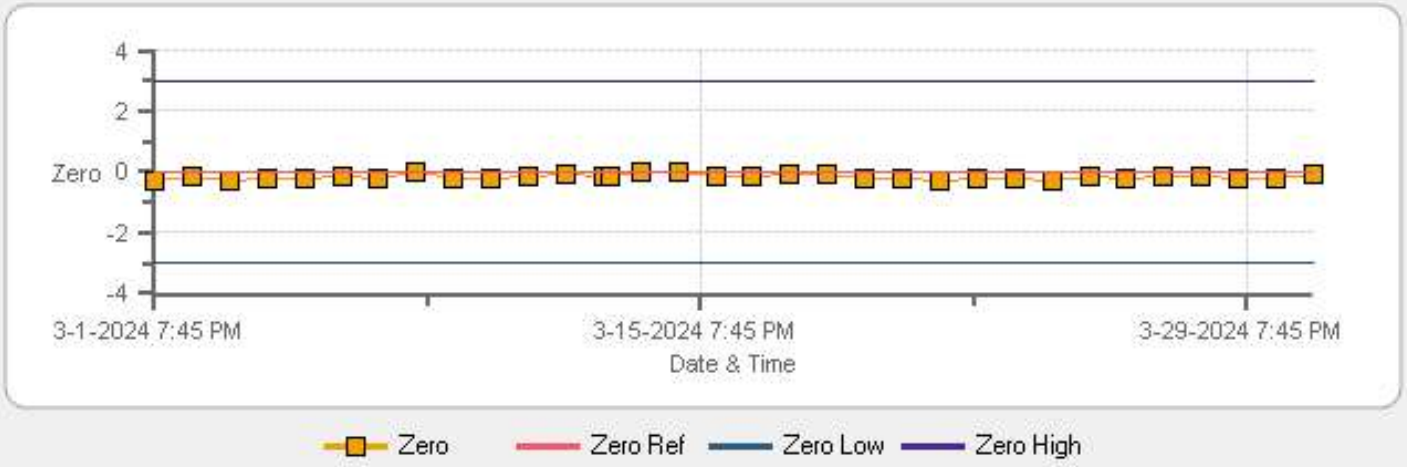
SO2[ppb] Calibration: PRAMP 842-B Monthly: 03-2024 Type: SpanAndZero - Zero



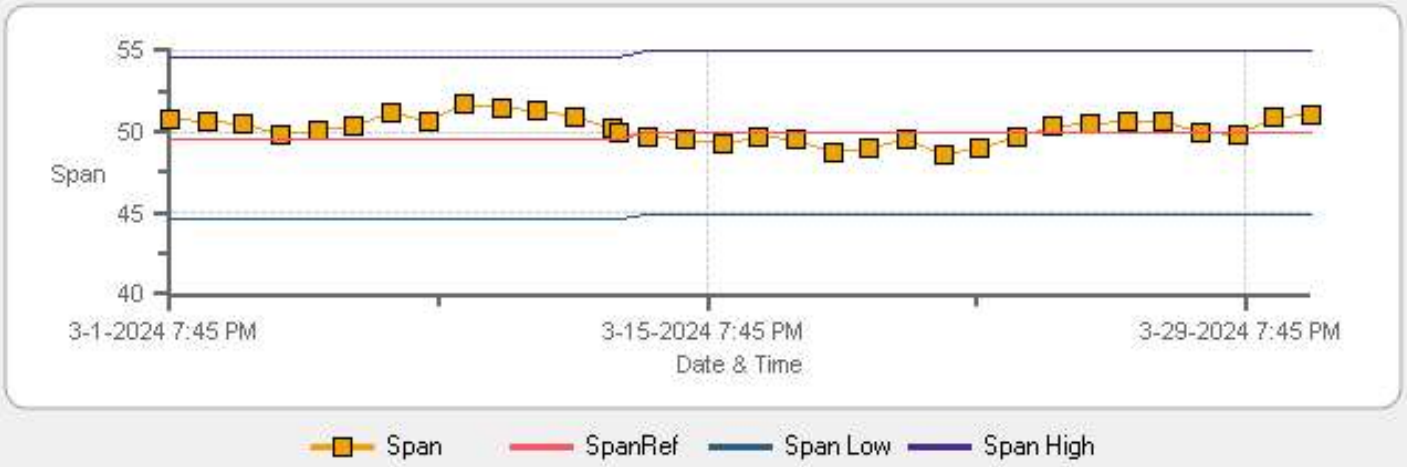
SO2[ppb] Calibration: PRAMP 842-B Monthly: 03-2024 Type: SpanAndZero - Span

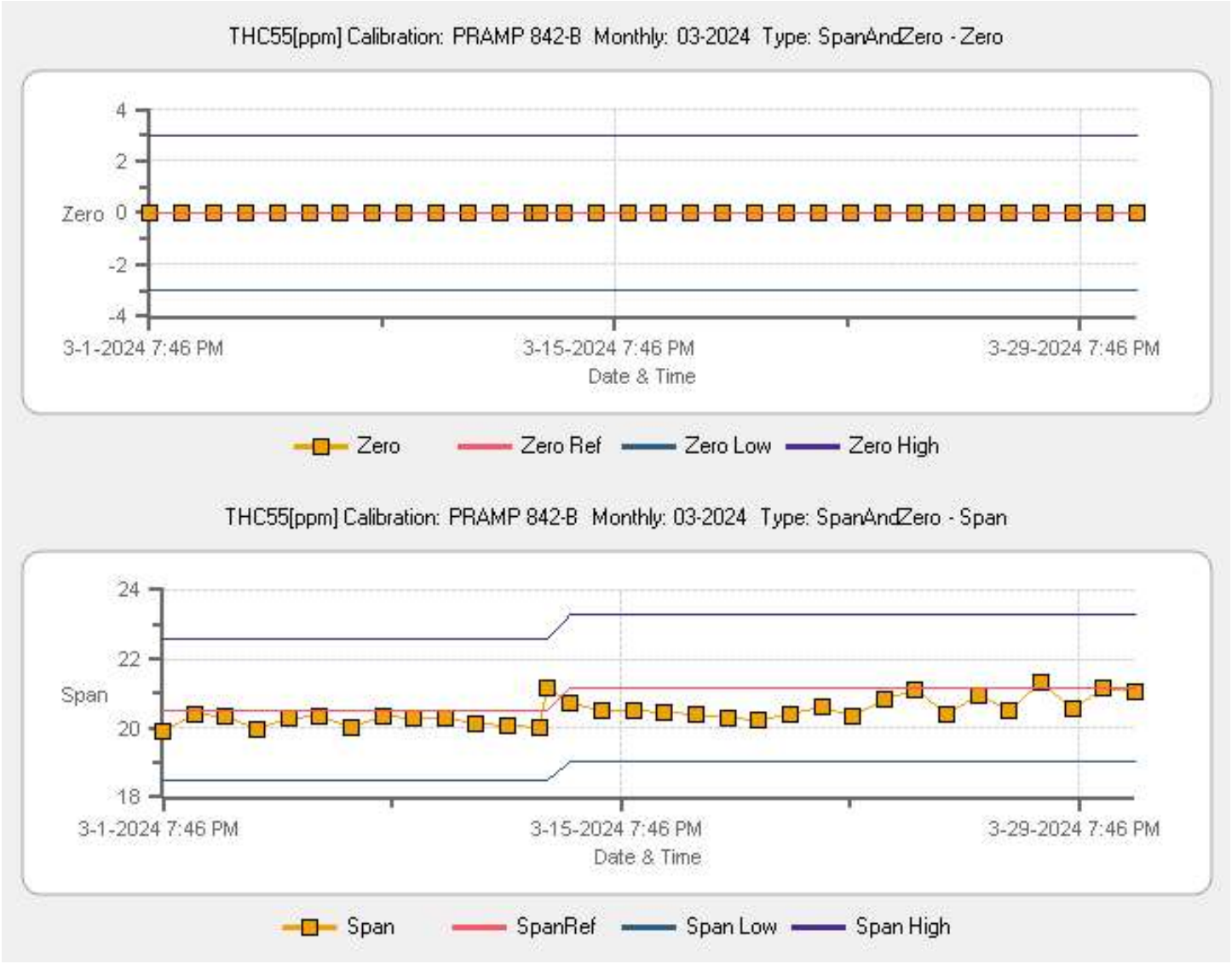


TRS[ppb] Calibration: PRAMP 842-B Monthly: 03-2024 Type: SpanAndZero - Zero

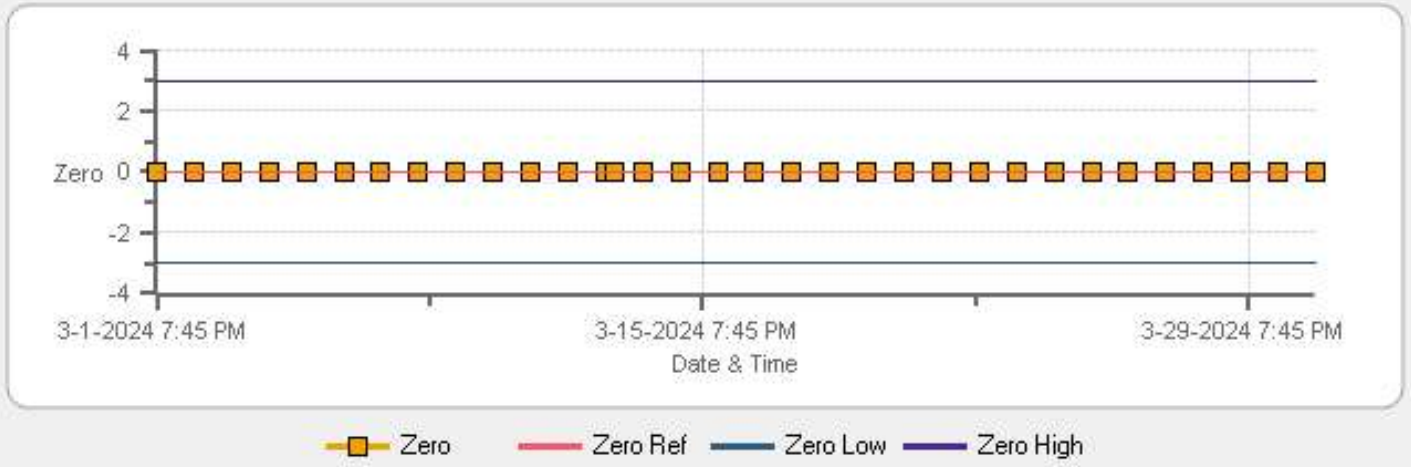


TRS[ppb] Calibration: PRAMP 842-B Monthly: 03-2024 Type: SpanAndZero - Span

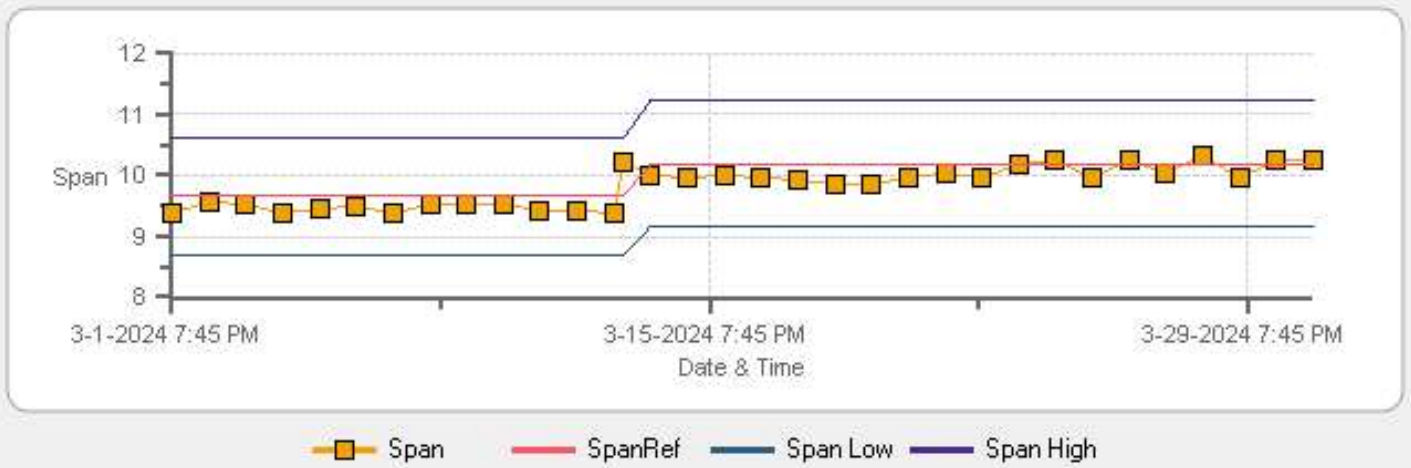


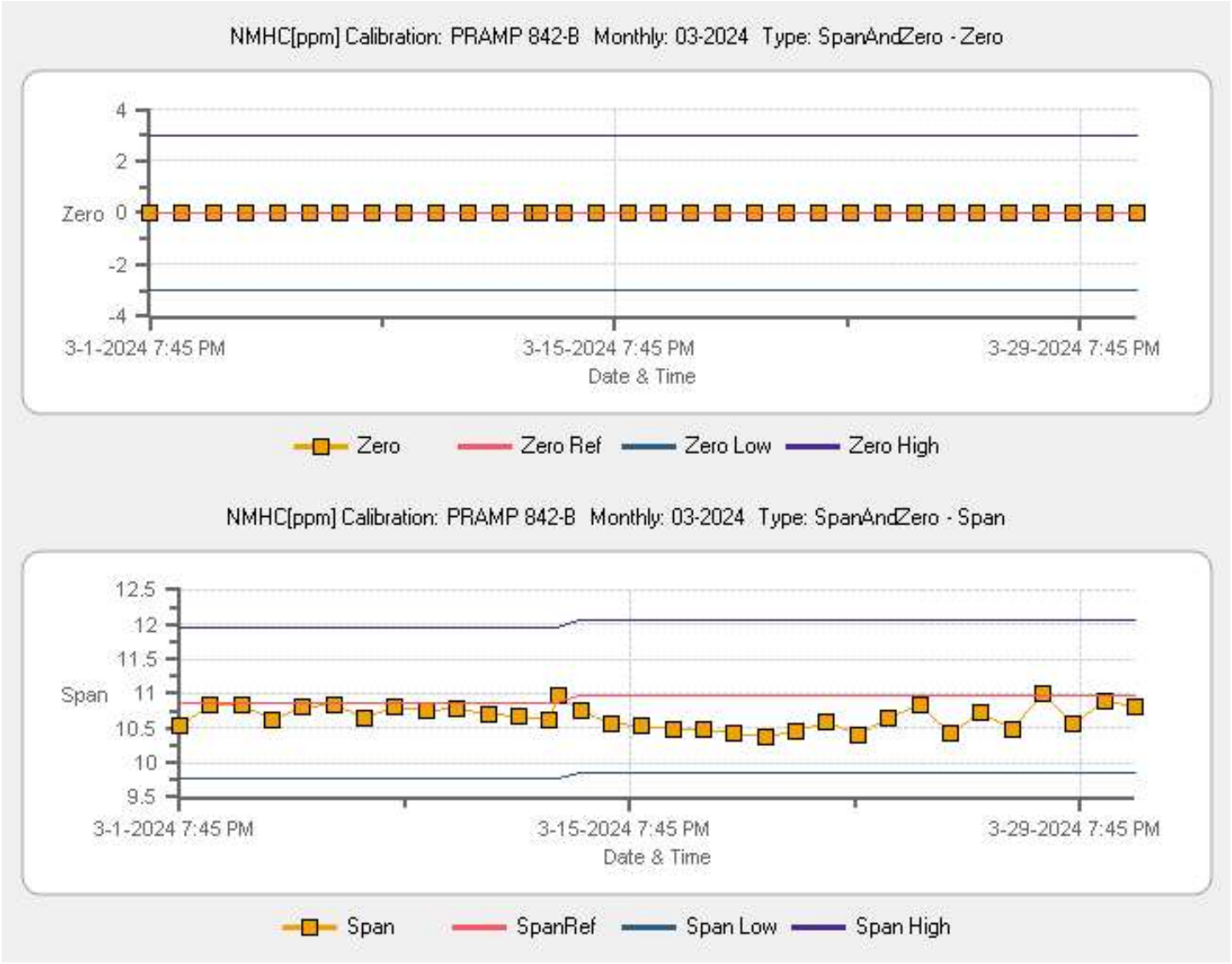

THC55[ppm] Calibration: PRAMP 842-B Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 7:46 PM
3-15-2024 7:46 PM
3-29-2024 7:46 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: PRAMP 842-B Monthly: 03-2024 Type: SpanAndZero - Span
24
22
Span
20
18
3-1-2024 7:46 PM
3-15-2024 7:46 PM
3-29-2024 7:46 PM
Date & Time
Span
SpanRef
Span Low
Span High

CH4[ppm] Calibration: PRAMP 842-B Monthly: 03-2024 Type: SpanAndZero - Zero



CH4[ppm] Calibration: PRAMP 842-B Monthly: 03-2024 Type: SpanAndZero - Span




NMHC[ppm] Calibration: PRAMP 842-B Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 7:45 PM
3-15-2024 7:45 PM
3-29-2024 7:45 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: PRAMP 842-B Monthly: 03-2024 Type: SpanAndZero - Span
12.5
12
11.5
Span 11
10.5
10
9.5
3-1-2024 7:45 PM
3-15-2024 7:45 PM
3-29-2024 7:45 PM
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	13-Mar-2024	PREVIOUS CALIBRATION DATE:	14-Feb-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	842b	BAROMETRIC (mBar):	942
PURPOSE	Routine	START TIME (MST):	07:53
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	11:48

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	1200736629	FLOW (mL/min)	424
INITIAL		FINAL	
BKG/OFFSET	9.5	BKG/OFFSET	9.3
COEF/SLOPE	1.144	COEF/SLOPE	1.154
Expected (reference) Value	236.9	Expected (reference) Value	245.3

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	133
MFC CALIBRATION DATE:	11-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	1500	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

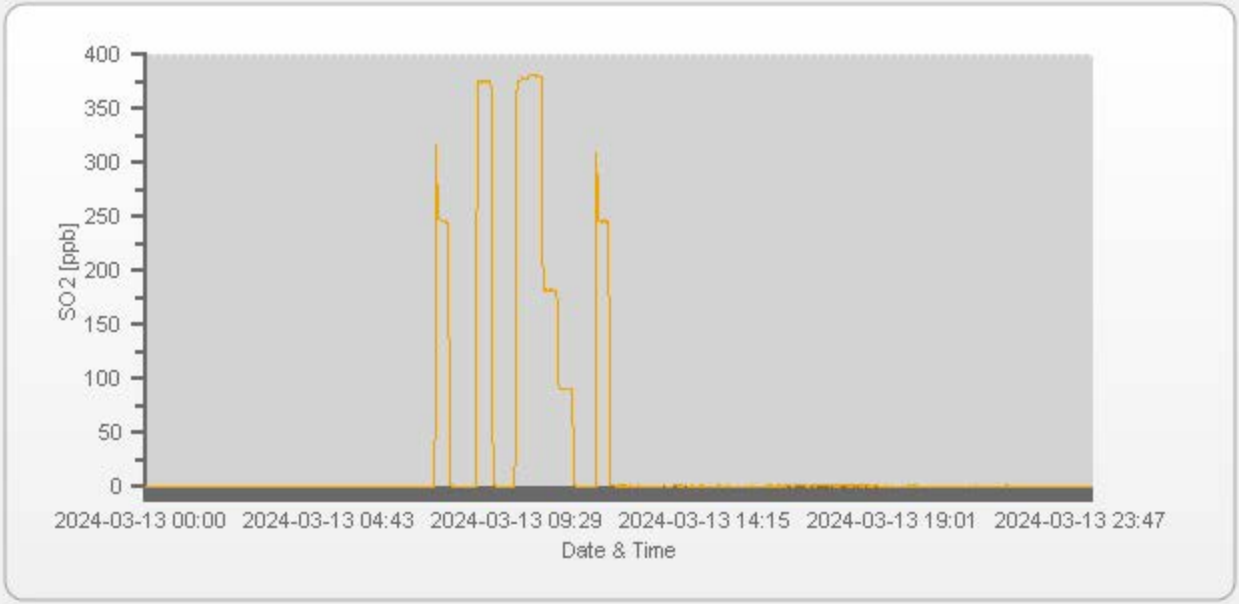
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.3	0		
3939	60.80	4000	380.00	374.9	380.8	1.013	0.998
3971	28.80	4000	180.00	n/a	182.2	n/a	0.988
3985	14.40	3999	90.02	n/a	90.6	n/a	0.994

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.002	0.1%

COMMENTS:

Sample filter changed.


SO2[ppb] Station: PRAMP 842-B Daily: 2024-03-13 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
SO2 [ppb]
2024-03-13 00:00
2024-03-13 04:43
2024-03-13 09:29
2024-03-13 14:15
2024-03-13 19:01
2024-03-13 23:47
Date & Time
SO2 [ppb]

TRS Analyzer Calibration by Dilution

DATE:	13-Mar-2024	PREVIOUS CALIBRATION DATE:	14-Feb-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.997
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	842b	BAROMETRIC (mBar):	942
PURPOSE	Routine	START TIME (MST):	07:53
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	11:48

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1200736630	FLOW (mL/min)	375
INITIAL		FINAL	
BKG/OFFSET	15	BKG/OFFSET	14.9
COEF/SLOPE	0.944	COEF/SLOPE	0.936
Expected (reference) Value	49.61	Expected (reference) Value	49.94

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	133
MFC CALIBRATION DATE:	11-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1600	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

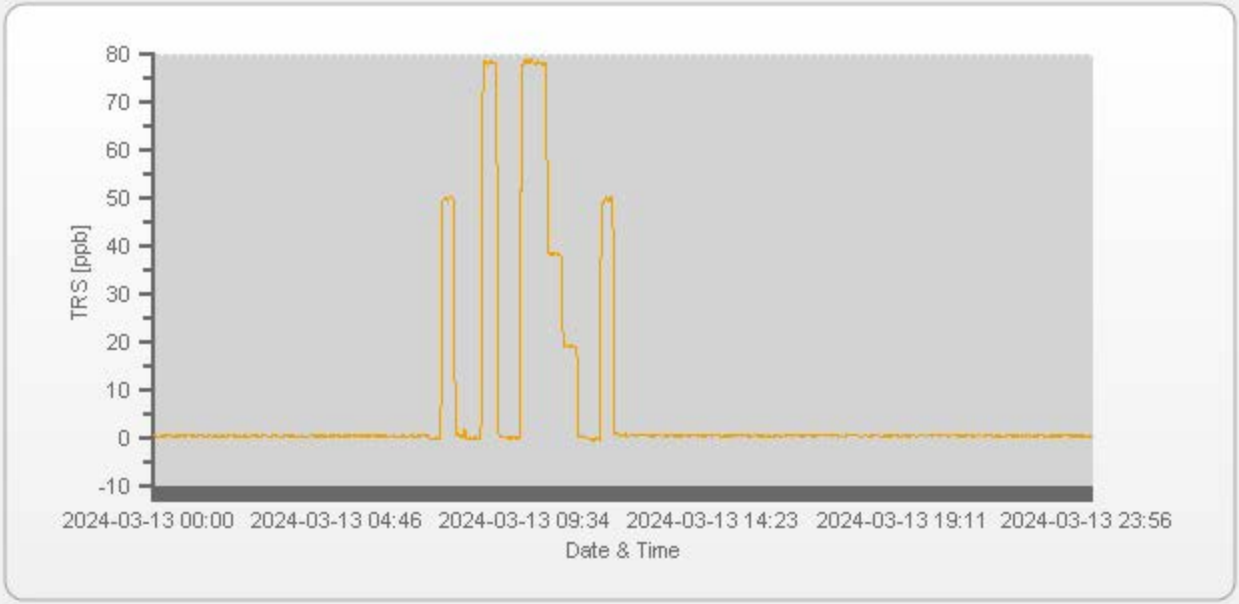
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.07	0		
3969	30.90	4000	77.95	78.4	77.95	0.993	1.000
3985	15.10	4000	38.09	n/a	38.57	n/a	0.988
3992	7.50	3999	18.92	n/a	19.16	n/a	0.988

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.2%

COMMENTS:

TRS Converter CDNOVA CDN #583. Sample filter changed.


TRS[ppb] Station: PRAMP 842-B Daily: 2024-03-13 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
-10
TRS [ppb]
2024-03-13 00:00
2024-03-13 04:46
2024-03-13 09:34
2024-03-13 14:23
2024-03-13 19:11
2024-03-13 23:56
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	13-Mar-2024	PREVIOUS CALIBRATION DATE:	14-Feb-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	842b	BAROMETRIC (mBar):	942
PURPOSE	Removal/Shut-down	START TIME (MST):	08:40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	11:16

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1501663728	1108
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.999	0.999	0.999

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	4568	CYLINDER (psi):	1300		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.66	10.87	20.53		n/a	n/a	n/a

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3099		3099	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a						
3049	50.30	3099	14.56	13.44	27.99	14.04	13.14	27.18	n/a	n/a	n/a	1.037	1.022	1.030	n/a	n/a	n/a
3075	25.20	3100	7.29	6.73	14.02	6.95	6.58	13.52	n/a	n/a	n/a	1.049	1.023	1.037	n/a	n/a	n/a
3085	12.60	3098	3.65	3.37	7.01	3.46	3.30	6.76	n/a	n/a	n/a	1.054	1.020	1.038	n/a	n/a	n/a

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.965	-0.2%
NMHC	1.000	0.978	0.0%
THC	1.000	0.971	-0.1%

Comments:

H2 = AMA HG300 #190567058
PRAMP analyzer.
Shutdown to swap station Zero Air

Use Zero Chrom? **No**

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	13-Mar-2024	PREVIOUS CALIBRATION DATE:	n/a
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	842b	BAROMETRIC (mBar):	942
PURPOSE	Install/Post-Repair	START TIME (MST):	12:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:49

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1501663728	1108
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	n/a	n/a	n/a

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	133	CYLINDER (psi):	1300		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	n/a	n/a	n/a		10.20	10.96	21.17

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3099		3099	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00						
3048	50.30	3098	14.56	13.44	28.00	n/a	n/a	n/a	14.56	13.39	27.95	n/a	n/a	n/a	1.000	1.004	1.002
3073	25.20	3098	7.30	6.73	14.03	n/a	n/a	n/a	7.20	6.68	13.88	n/a	n/a	n/a	1.013	1.008	1.011
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.60	3.36	6.96	n/a	n/a	n/a	1.013	1.002	1.008

LINEAR REGRESSION ANALYSIS:

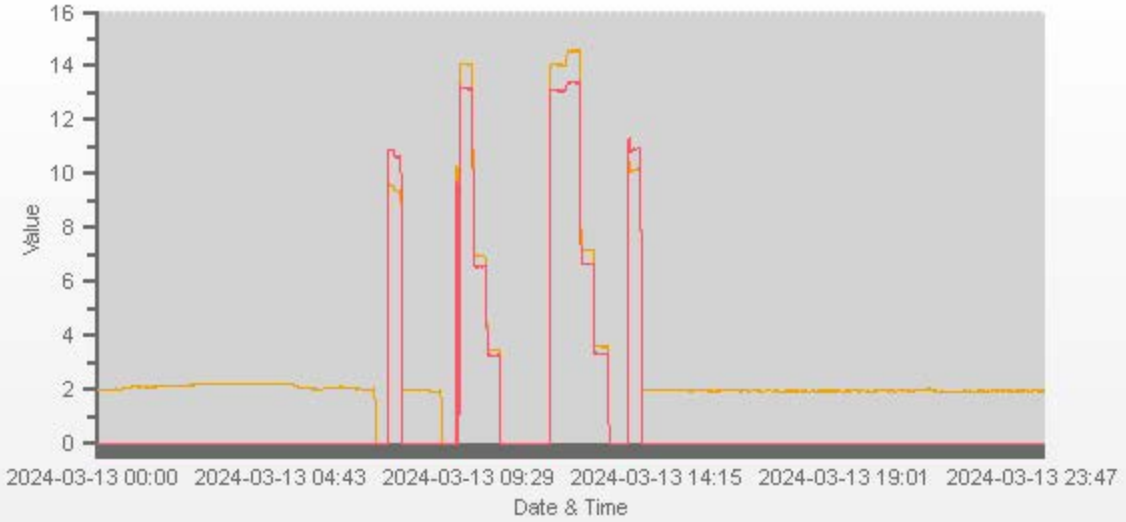
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.000	-0.2%
NMHC	1.000	0.996	0.0%
THC	1.000	0.998	-0.1%

Comments:

H2 = AMA HG300 #190567058
PRAMP analyzer.

Use Zero Chrom? **No**

Station: PRAMP 842-B Daily: 2024-03-13 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	March 13, 2024		
Technician:	Kevin Sebastian		
Station:	PRAMP 842b		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 15878
Temperature Sensor:	Rotronic	HC2A-S3	20370767
Barometric Pressure Sensor:	MetOne	92	Y23362
Relative Humidity Sensor:	Rotronic	HC2A-S3	20370767
Anemometer:	RM Young	05305AQ	174802

PRECIPITATION SENSOR CHECK

Checklist:	**Reply:**	**Comments:**
Previous check date:	December 5, 2023	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	test time:12:27-12:31
Is the screen on the housing? (screen should be on between July and September	yes	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

TIP TEST - Slowly pour water until 10 tips are heard. (10 tips = 1 mm)

# of Tips	**Data Logger Response (mm):**	**Manual Specification = +/- 0.1 mm**
10	1.0	0.00

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	February 14, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024
Reference Temperature (^{o}C):	7.0
Station - Ambient Temperature (^{o}C):	6.4
Temperature Difference (^{o}C):	0.5

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	February 14, 2024	
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024	
Reference Pressure - Units/Reading:	millibar	944
Station Pressure - Units/Reading:	millibar	950
Pressure Tolerance +/- 15% of error:	802 - 1086	-0.64%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	February 14, 2024	
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024	
Reference Hygrometer % RH- Reading:	65.30	
Station Hygrometer % RH- Reading:	63.40	
RH Tolerance +/- 15% of difference:	55.51 - 75.10	2.9%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	January 1, 2017	Previous check date:	January 1, 2017
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	S
Wind speed on Data Logger (kph):	12.2	Wind Direction on Data Logger:	S
		Wind Direction Pass/Fail?:	Pass

Comments

No issues

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	842b	**Reviewed By:**	Limin Li
Audit Date:	August 3, 2023	**Start/End Time (mst):**	15:57 / 17:00
Calibration Purpose:	routine annual	**Weather Conditions:**	Mix of sun and clouds with rain showers

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	174802	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 3, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.5	1.001
7000	129.0	128.9	128.9	1.001
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.2	1.001
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	2	354	2.0	1.0	1.5
30	330	23	332	7.0	-2.0	4.5
60	300	59	303	1.0	-3.0	2.0
90	270	88	274	2.0	-4.0	3.0
120	240	118	242	2.0	-2.0	2.0
150	210	149	209	1.0	1.0	1.0
180	180	179	178	1.0	2.0	1.5
210	150	210	146	0.0	4.0	2.0
240	120	243	117	-3.0	3.0	3.0
270	90	274	89	-4.0	1.0	2.5
300	60	304	57	-4.0	3.0	3.5
330	30	334	29	-4.0	1.0	2.5
355	0	354	2	1.0	2.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**2.3**

Comments:

Declination = 15 deg East
Physical inspection completed, no issues
Potentiometer noisy. Replacement required.

END OF REPORT

Peace River Area Monitoring Program

MARCH 2024

Ambient Air Monitoring Calibration Report

- 986-C STATION-

CAL-PRAMP-202403-01562

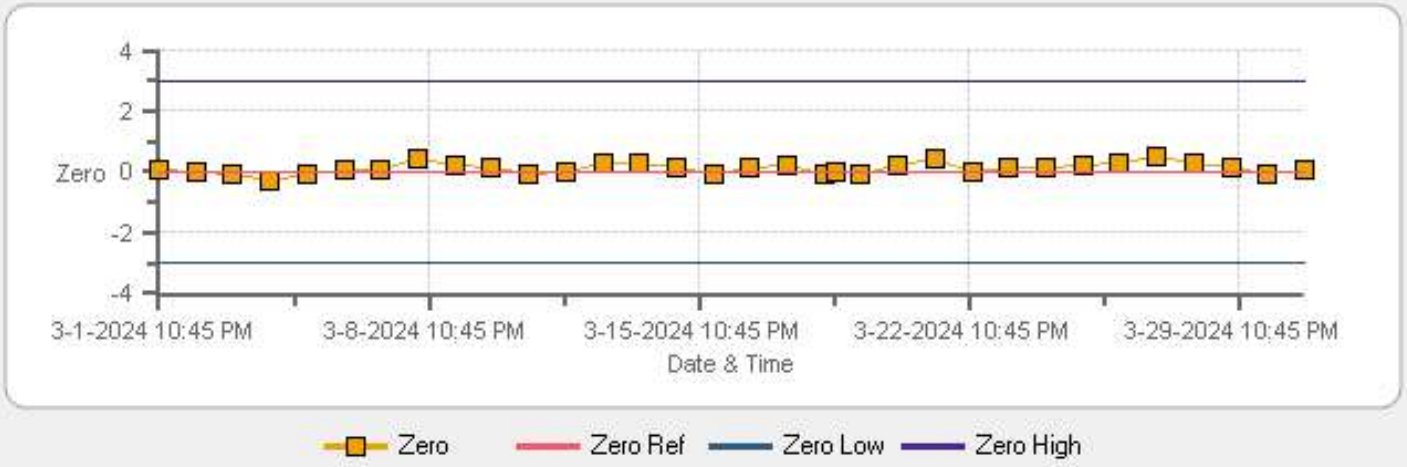
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

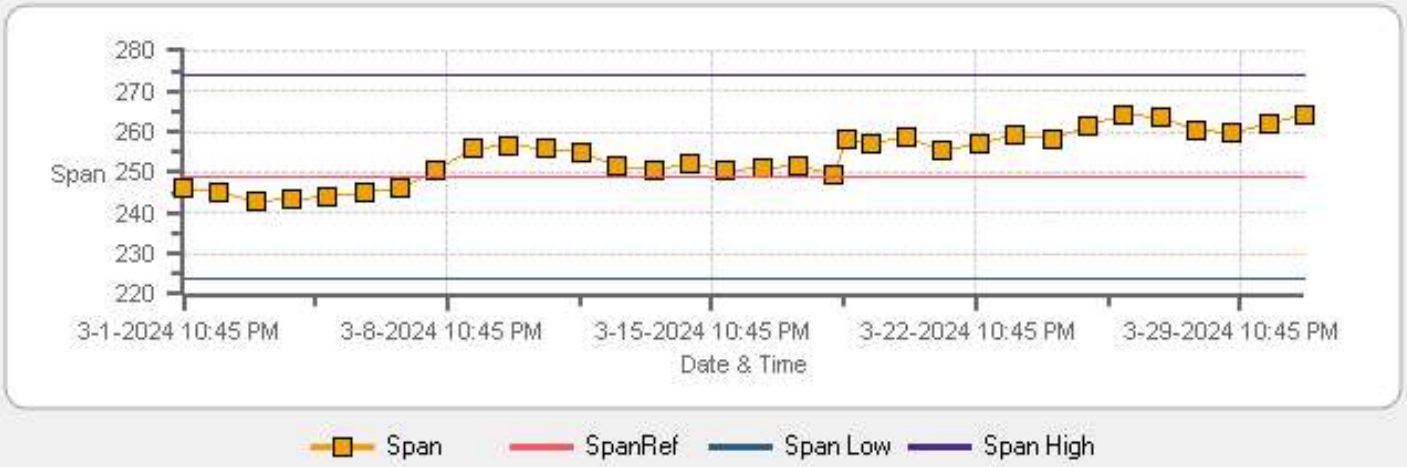
April 5, 2024

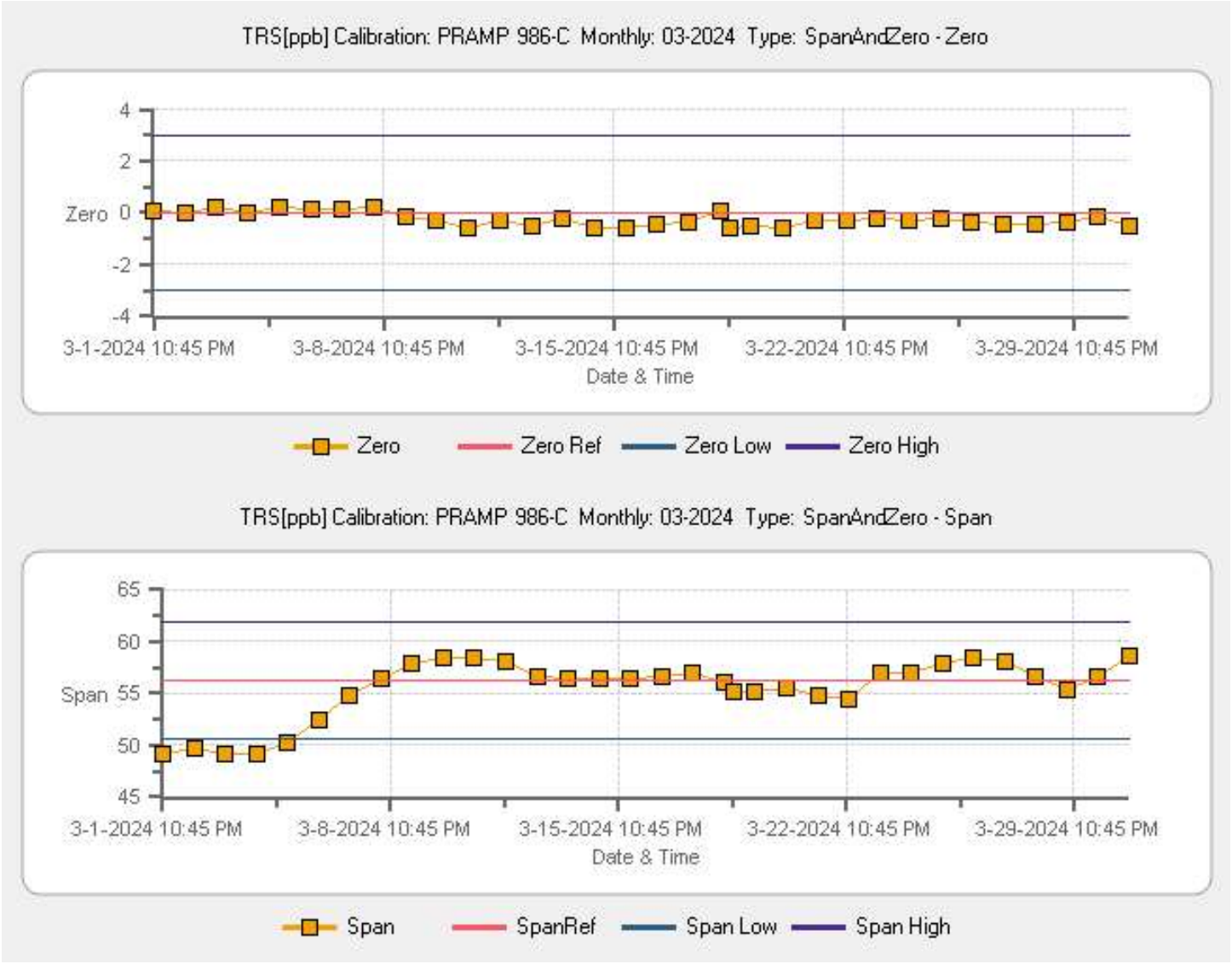
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

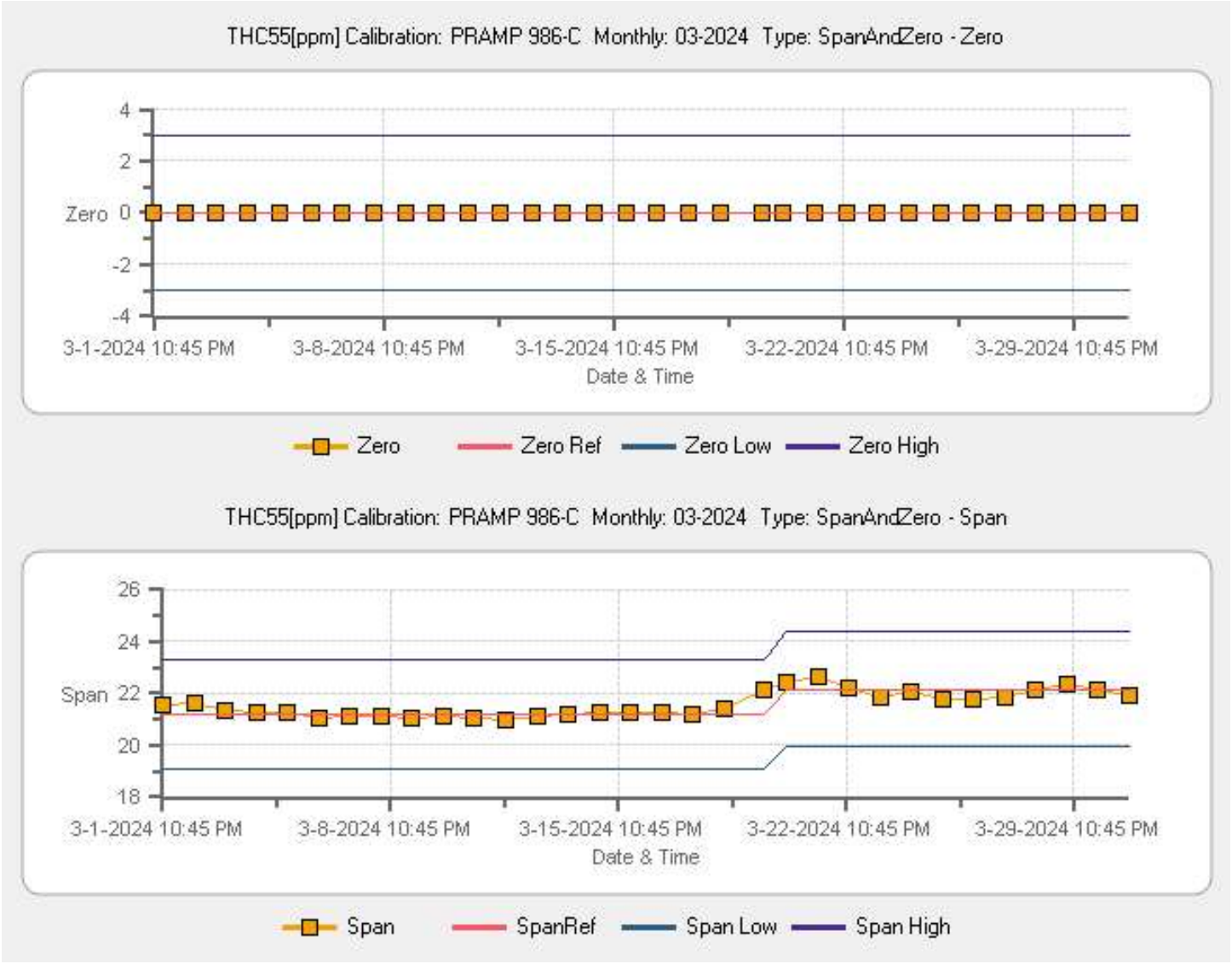
SO2[ppb] Calibration: PRAMP 986-C Monthly: 03-2024 Type: SpanAndZero - Zero



SO2[ppb] Calibration: PRAMP 986-C Monthly: 03-2024 Type: SpanAndZero - Span

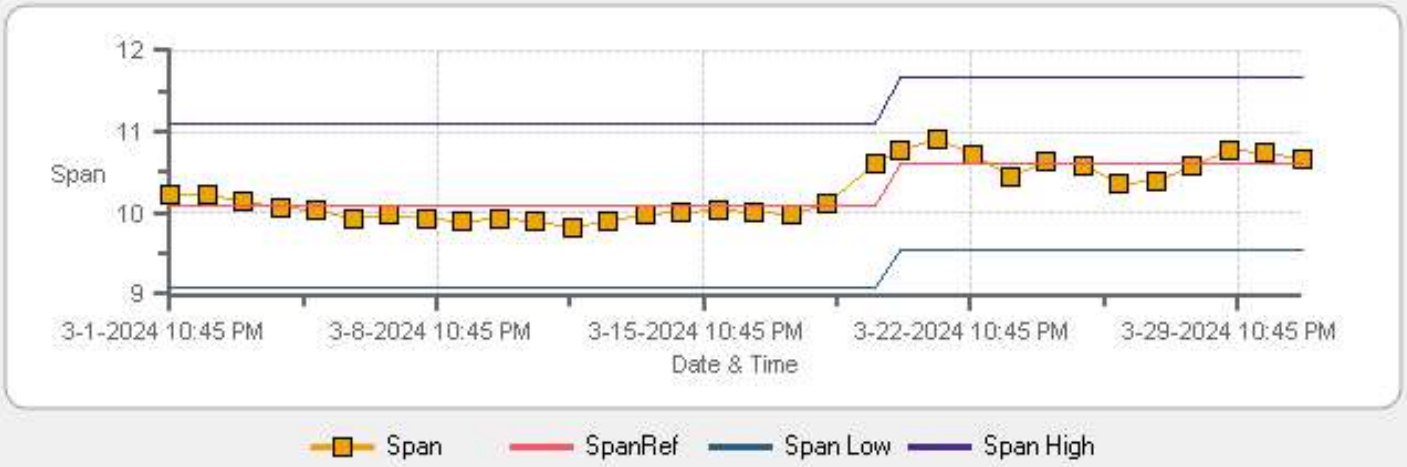


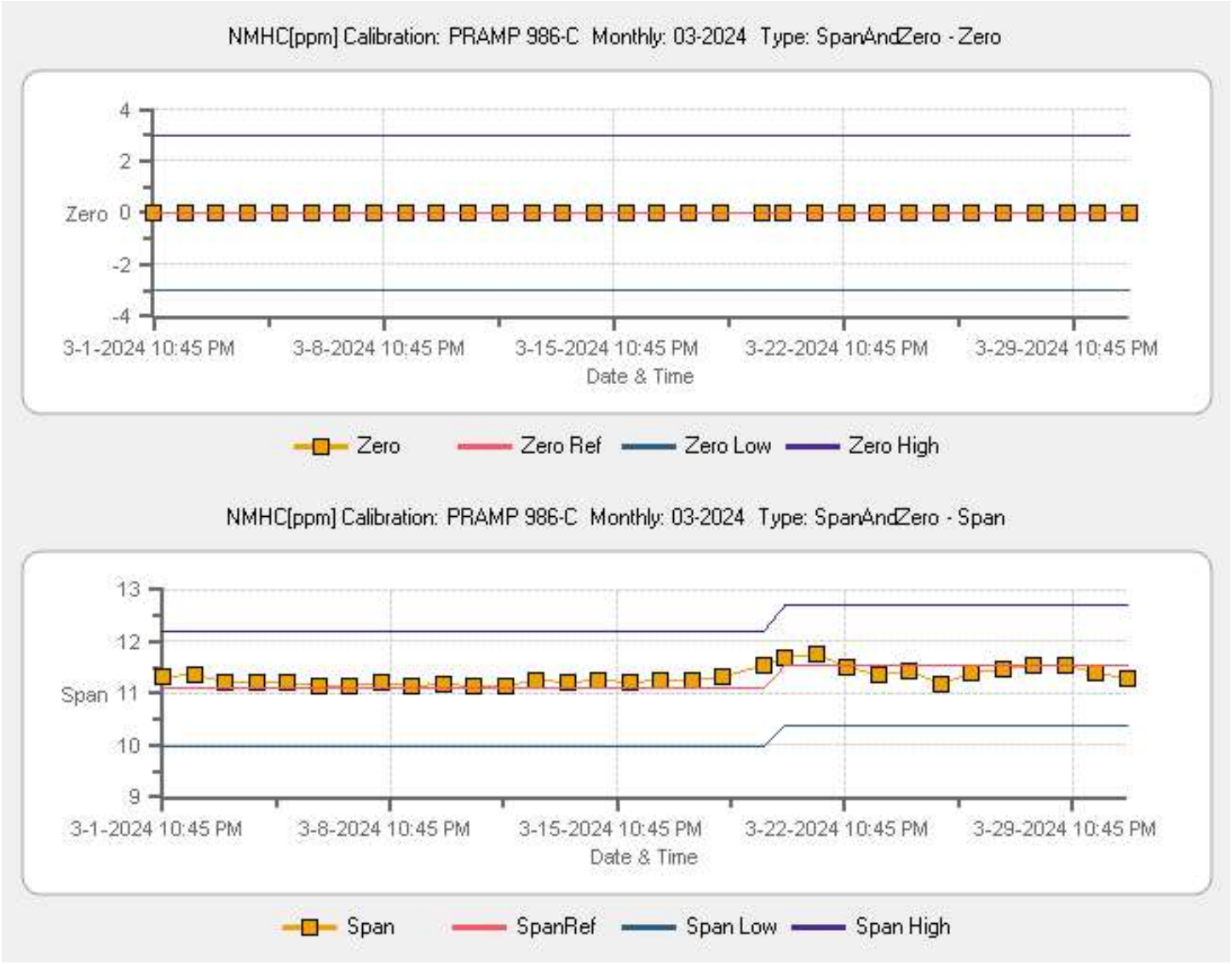

TRS[ppb] Calibration: PRAMP 986-C Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 10:45 PM
3-8-2024 10:45 PM
3-15-2024 10:45 PM
3-22-2024 10:45 PM
3-29-2024 10:45 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: PRAMP 986-C Monthly: 03-2024 Type: SpanAndZero - Span
65
60
Span 55
50
45
3-1-2024 10:45 PM
3-8-2024 10:45 PM
3-15-2024 10:45 PM
3-22-2024 10:45 PM
3-29-2024 10:45 PM
Date & Time
Span
SpanRef
Span Low
Span High


THC55[ppm] Calibration: PRAMP 986-C Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 10:45 PM
3-8-2024 10:45 PM
3-15-2024 10:45 PM
3-22-2024 10:45 PM
3-29-2024 10:45 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: PRAMP 986-C Monthly: 03-2024 Type: SpanAndZero - Span
26
24
Span 22
20
18
3-1-2024 10:45 PM
3-8-2024 10:45 PM
3-15-2024 10:45 PM
3-22-2024 10:45 PM
3-29-2024 10:45 PM
Date & Time
Span
SpanRef
Span Low
Span High

CH4[ppm] Calibration: PRAMP 986-C Monthly: 03-2024 Type: SpanAndZero - Zero

CH4[ppm] Calibration: PRAMP 986-C Monthly: 03-2024 Type: SpanAndZero - Span




NMHC[ppm] Calibration: PRAMP 986-C Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 10:45 PM
3-8-2024 10:45 PM
3-15-2024 10:45 PM
3-22-2024 10:45 PM
3-29-2024 10:45 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: PRAMP 986-C Monthly: 03-2024 Type: SpanAndZero - Span
13
12
Span 11
10
9
3-1-2024 10:45 PM
3-8-2024 10:45 PM
3-15-2024 10:45 PM
3-22-2024 10:45 PM
3-29-2024 10:45 PM
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	19-Mar-2024	PREVIOUS CALIBRATION DATE:	01-Feb-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	23.5
LOCATION:	986c	BAROMETRIC (mBar):	954
PURPOSE	Routine	START TIME (MST):	08:06
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:06

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	1193585646	FLOW (mL/min)	441
INITIAL		FINAL	
BKG/OFFSET	18.5	BKG/OFFSET	18.7
COEF/SLOPE	1.022	COEF/SLOPE	1.057
Expected (reference) Value	257.2	Expected (reference) Value	249

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	133
MFC CALIBRATION DATE:	11-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL107286	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	600	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
DILUENT	GAS	TOTAL	ACTUAL	INDICATED Initial	INDICATED Final	Initial	Final
3999		3999	0.00	0	0		
3939	60.80	4000	381.52	366	380.8	1.042	1.002
3970	28.80	3999	180.77	n/a	182.3	n/a	0.992
3985	14.40	3999	90.38	n/a	90.9	n/a	0.994

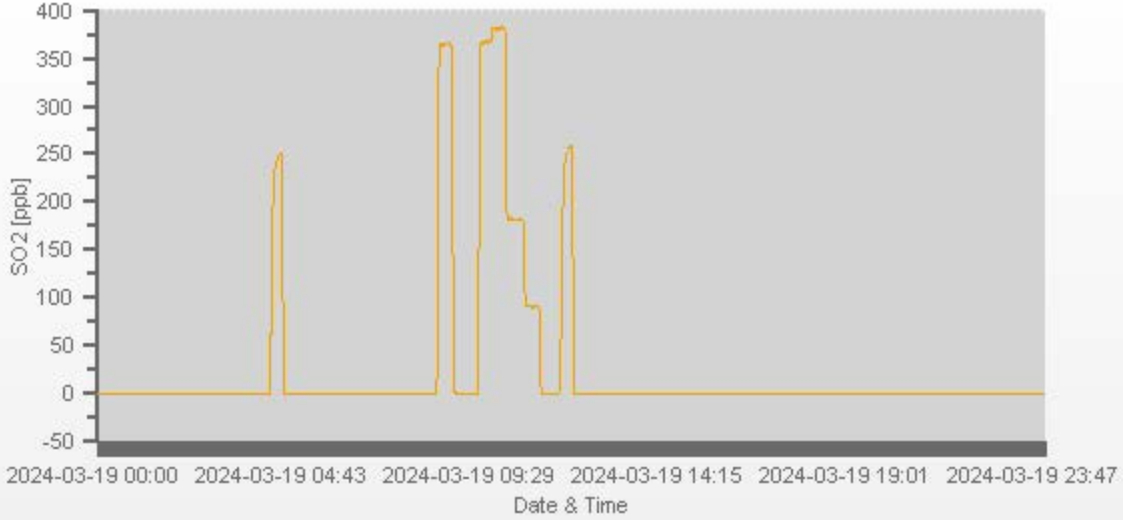
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.1%

COMMENTS:

Sample filter changed.

SO2[ppb] Station: PRAMP 986-C Daily: 2024-03-19 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	19-Mar-2024	PREVIOUS CALIBRATION DATE:	16-Feb-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.003
CLIENT:	PRAMP	TEMPERATURE (°C):	23.5
LOCATION:	986C	BAROMETRIC (mBar):	954
PURPOSE	Routine	START TIME (MST):	08:06
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:06

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1191833341	FLOW (mL/min)	425
INITIAL		FINAL	
BKG/OFFSET	17.3	BKG/OFFSET	18.7
COEF/SLOPE	0.997	COEF/SLOPE	1.057
Expected (reference) Value	56.24	Expected (reference) Value	56.24

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	133
MFC CALIBRATION DATE:	11-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1500	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

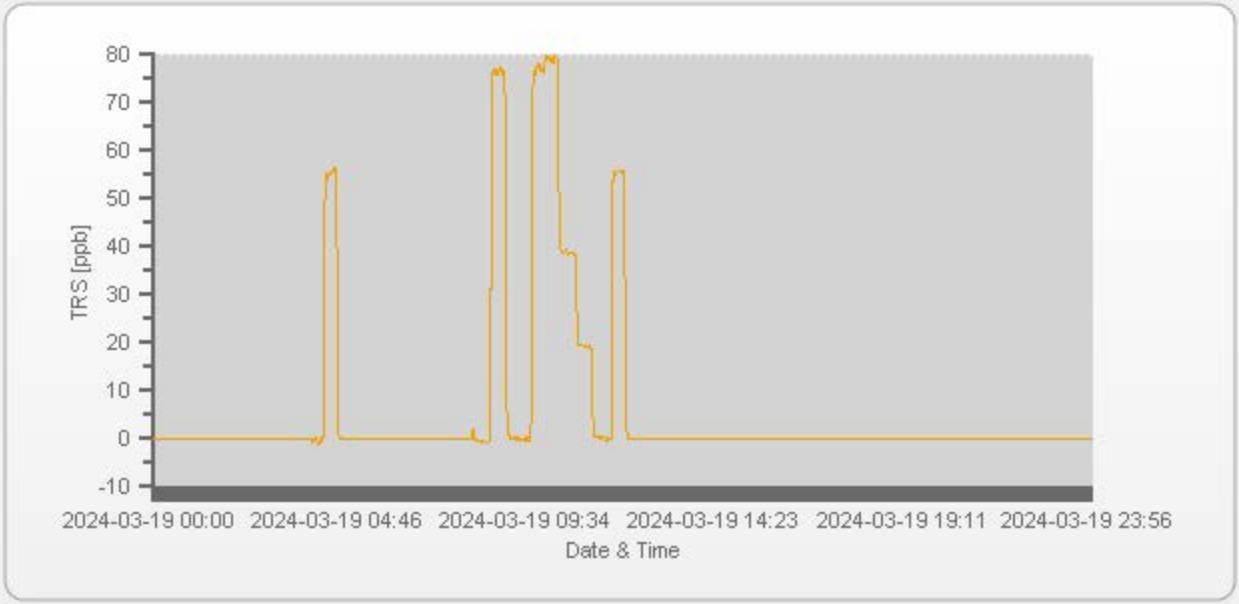
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.8	0		
3969	30.90	4000	77.95	76.54	78.4	1.008	0.994
3984	15.10	3999	38.10	n/a	38.21	n/a	0.997
3992	7.50	3999	18.92	n/a	18.81	n/a	1.006

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.007	-0.1%

COMMENTS:

TRS Converter CDNOVA CDN101 #530


TRS[ppb] Station: PRAMP 986-C Daily: 2024-03-19 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
-10
TRS [ppb]
2024-03-19 00:00
2024-03-19 04:46
2024-03-19 09:34
2024-03-19 14:23
2024-03-19 19:11
2024-03-19 23:56
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	19-Mar-2024	PREVIOUS CALIBRATION DATE:	15-Feb-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	23.5
LOCATION:	986C	BAROMETRIC (mBar):	954
PURPOSE	Removal/Shut-down	START TIME (MST):	08:06
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:47

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12208316589	1062
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.997	0.999	1.002

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	1800		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.15	11.08	21.22		n/a	n/a	n/a

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3094		3094	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a						
3047	50.30	3097	14.57	13.44	28.01	13.96	13.56	27.51	n/a	n/a	n/a	1.044	0.991	1.018	n/a	n/a	n/a
3072	25.20	3097	7.30	6.74	14.03	7.02	6.78	13.79	n/a	n/a	n/a	1.040	0.993	1.018	n/a	n/a	n/a
3084	12.60	3097	3.65	3.37	7.02	3.54	3.41	6.95	n/a	n/a	n/a	1.031	0.988	1.010	n/a	n/a	n/a

LINEAR REGRESSION ANALYSIS:

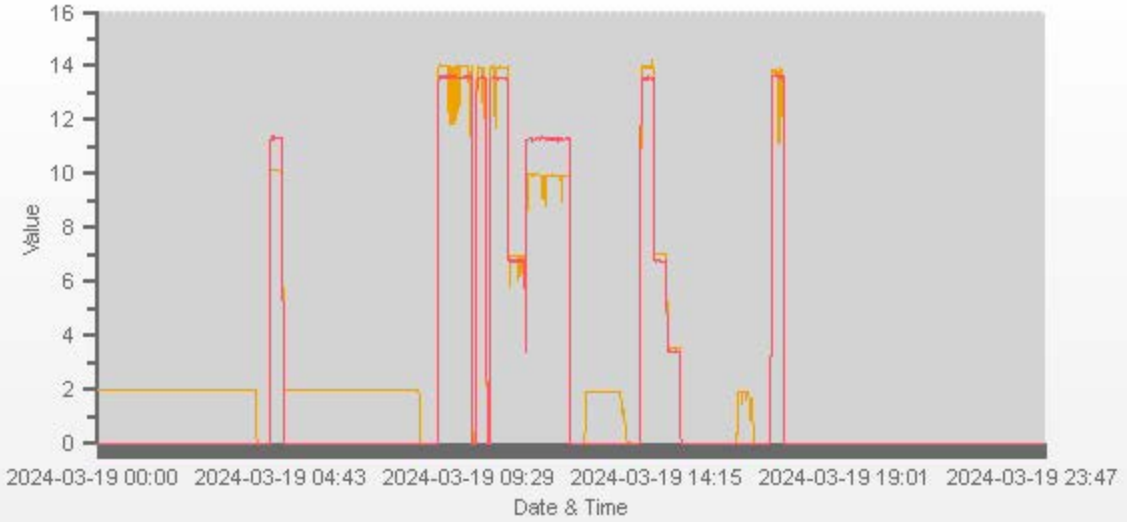
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.957	0.1%
NMHC	1.000	1.008	0.0%
THC	1.000	0.981	0.1%

Comments:

Shutdown to remove BV zero air
CH4 unstable during initial testing. Troubleshoot performed and calibration system zero air swapped. No further issues and Shutdown Calibration Pass.

Use Zero Chrom? **Yes**

Station: PRAMP 986-C Daily: 2024-03-19 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	20-Mar-2024	PREVIOUS CALIBRATION DATE:	n/a
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	986C	BAROMETRIC (mBar):	954
PURPOSE	Install/Post-Repair	START TIME (MST):	07:32
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	10:43

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1022143392	1062
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	n/a	n/a	n/a

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	1800		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	n/a	n/a	n/a		10.61	11.55	22.16

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3094		3094	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00						
3048	50.30	3098	14.56	13.44	28.00	n/a	n/a	n/a	14.50	13.41	27.91	n/a	n/a	n/a	1.004	1.002	1.003
3072	25.20	3097	7.30	6.74	14.03	n/a	n/a	n/a	7.27	6.69	13.96	n/a	n/a	n/a	1.004	1.007	1.005
3084	12.60	3097	3.65	3.37	7.02	n/a	n/a	n/a	3.64	3.35	6.99	n/a	n/a	n/a	1.003	1.005	1.004

LINEAR REGRESSION ANALYSIS:

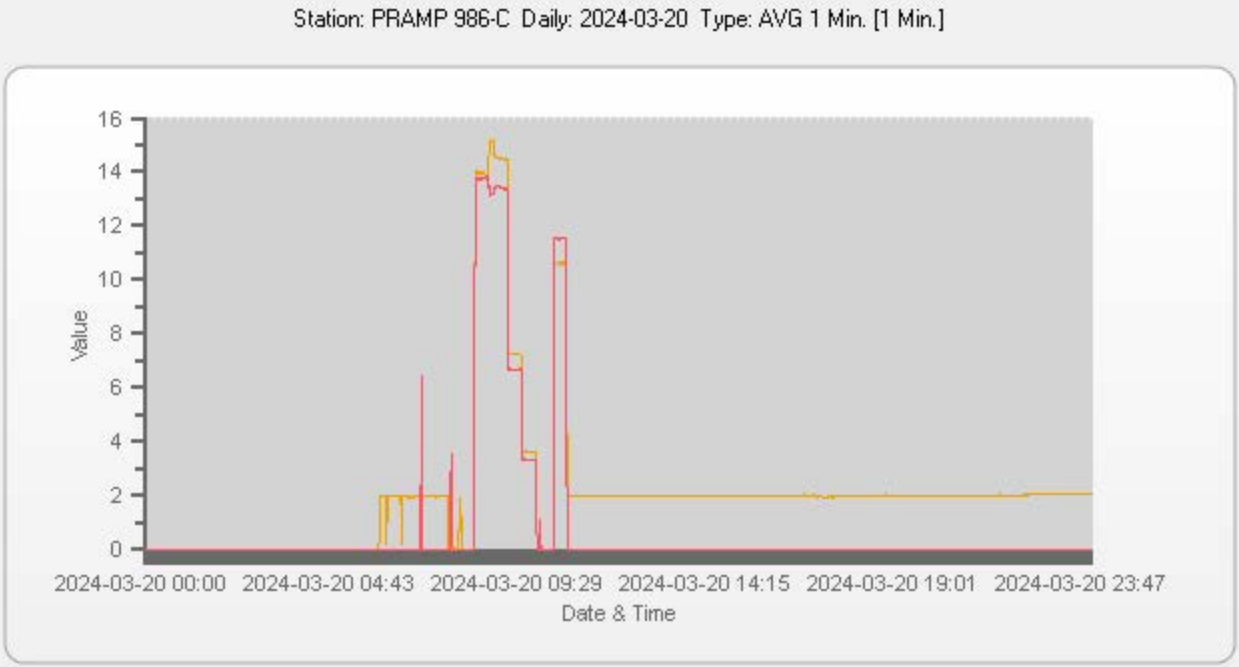
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.995	0.0%
NMHC	1.000	0.998	-0.1%
THC	1.000	0.997	0.0%

Comments:

Sample filter changed

PRAMP Zero Air. H2 Dessicant changed

Use Zero Chrom? **Yes**


Station: PRAMP 986-C Daily: 2024-03-20 Type: AVG 1 Min. [1 Min.]
16
14
12
10
8
6
4
2
0
Value
2024-03-20 00:00
2024-03-20 04:43
2024-03-20 09:29
2024-03-20 14:15
2024-03-20 19:01
2024-03-20 23:47
Date & Time
CH4 [ppm]
NMHC [ppm]

Meteorological System Checklist

Date:	March 19, 2024
Technician:	Kevin Sebastian
Station:	PRAMP 986c

Unit:	Make:	Model:	Serial #:
Precipitation Sampler:	RM Young	52202	TB 16325
Temperature Sensor:	Rotronic	HC2-32	20626912
Barometric Pressure Sensor:	MetOne	092	Y23358
Relative Humidity Sensor:	Rotronic	HC2-S3	20626912
Anemometer:	RM Young	05305AQ	180340

PRECIPITATION SENSOR CHECK

Checklist:	Reply:	Comments:
Previous check date:	December 7, 2023	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	Tested: 17:39-17:42
Is the screen on the housing? (screen should be on between July and September	yes	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

TIP TEST - Slowly pour water until 10 tips are heard. (10 tips = 1 mm)

# of Tips	Data Logger Response (mm):	Manual Specification = +/- 0.1 mm
10	1.0	0.00

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	February 1, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025
Reference Temperature (^{o}C):	-3.5
Station - Ambient Temperature (^{o}C):	-3.8
Temperature Difference (^{o}C):	0.3

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	February 1, 2024	
Reference Barometer ID:	Brunton ADC #231010, Exp: Oct 10, 2024	
Reference Pressure - Units/Reading:	millibar	954
Station Pressure - Units/Reading:	millibar	953
Pressure Tolerance +/- 15% of error:	811 - 1097	0.10%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	February 1, 2024	
Reference Hygrometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025	
Reference Hygrometer % RH- Reading:	56.10	
Station Hygrometer % RH- Reading:	52.00	
RH Tolerance +/- 15% of difference:	47.69 - 64.52	7.3%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	February 1, 2024	Previous check date:	February 1, 2024
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	E
Wind speed on Data Logger (kph):	18.8	Wind Direction on Data Logger:	E
		Wind Direction Pass/Fail?:	Pass

Comments

No issues

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	986C	**Reviewed By:**	Limin Li
Audit Date:	August 3, 2023	**Start/End Time (mst):**	14:01 / 15:03
Calibration Purpose:	routine annual	**Weather Conditions:**	Rain fall heavy at times

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	180340	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 5, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.1	1.003
7000	129.0	128.9	129.3	0.999
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.2	1.001
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	2	354	2.0	1.0	1.5
30	330	31	331	-1.0	-1.0	1.0
60	300	60	301	0.0	-1.0	0.5
90	270	90	271	0.0	-1.0	0.5
120	240	119	240	1.0	0.0	0.5
150	210	148	207	2.0	3.0	2.5
180	180	178	178	2.0	2.0	2.0
210	150	208	148	2.0	2.0	2.0
240	120	240	122	0.0	-2.0	1.0
270	90	272	90	-2.0	0.0	1.0
300	60	301	60	-1.0	0.0	0.5
330	30	331	32	-1.0	-2.0	1.5
355	0	354	2	1.0	2.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**1.2**

Comments:

Declination = 15 deg East
Physical inspection completed, no issues

END OF REPORT

Peace River Area Monitoring Program

MARCH 2024

Ambient Air Monitoring Calibration Report

- RENO-B STATION-

CAL-PRAMP-202403-01563

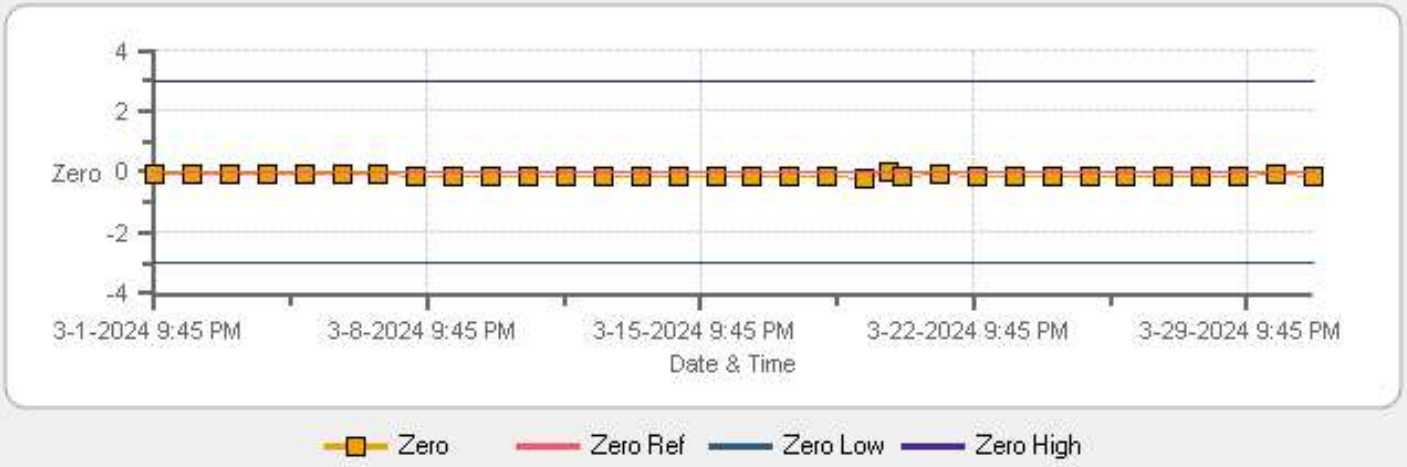
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

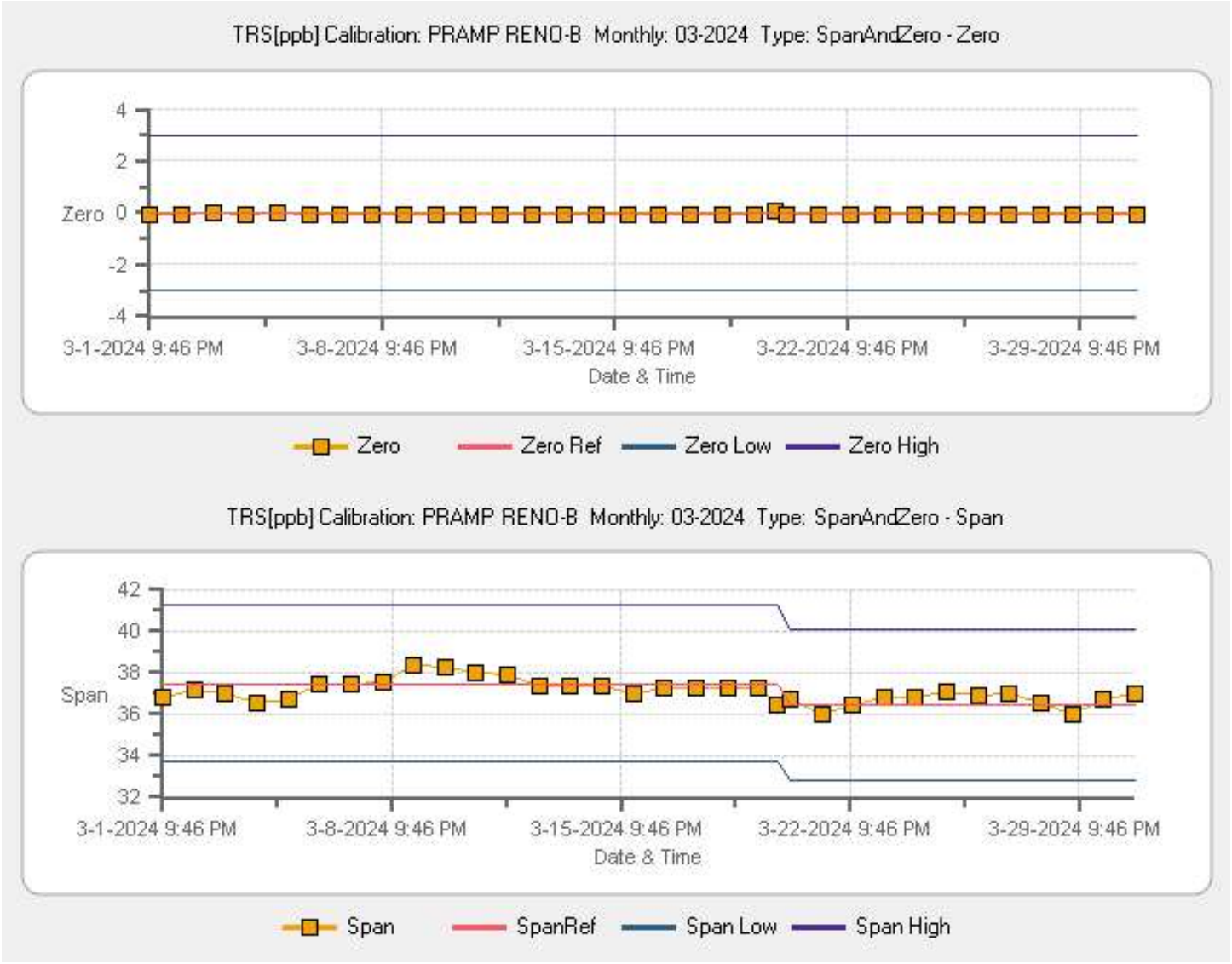
April 5, 2024

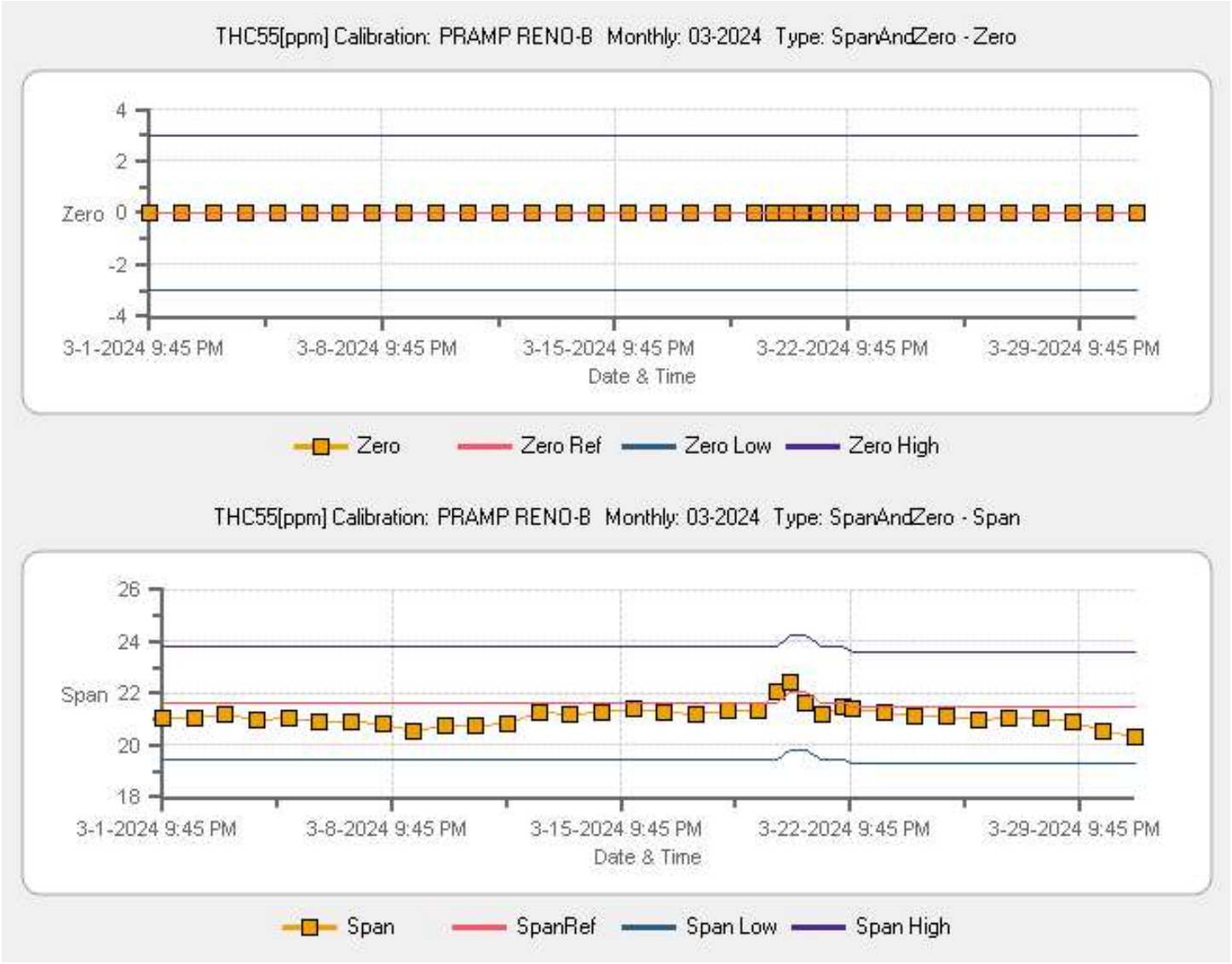
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

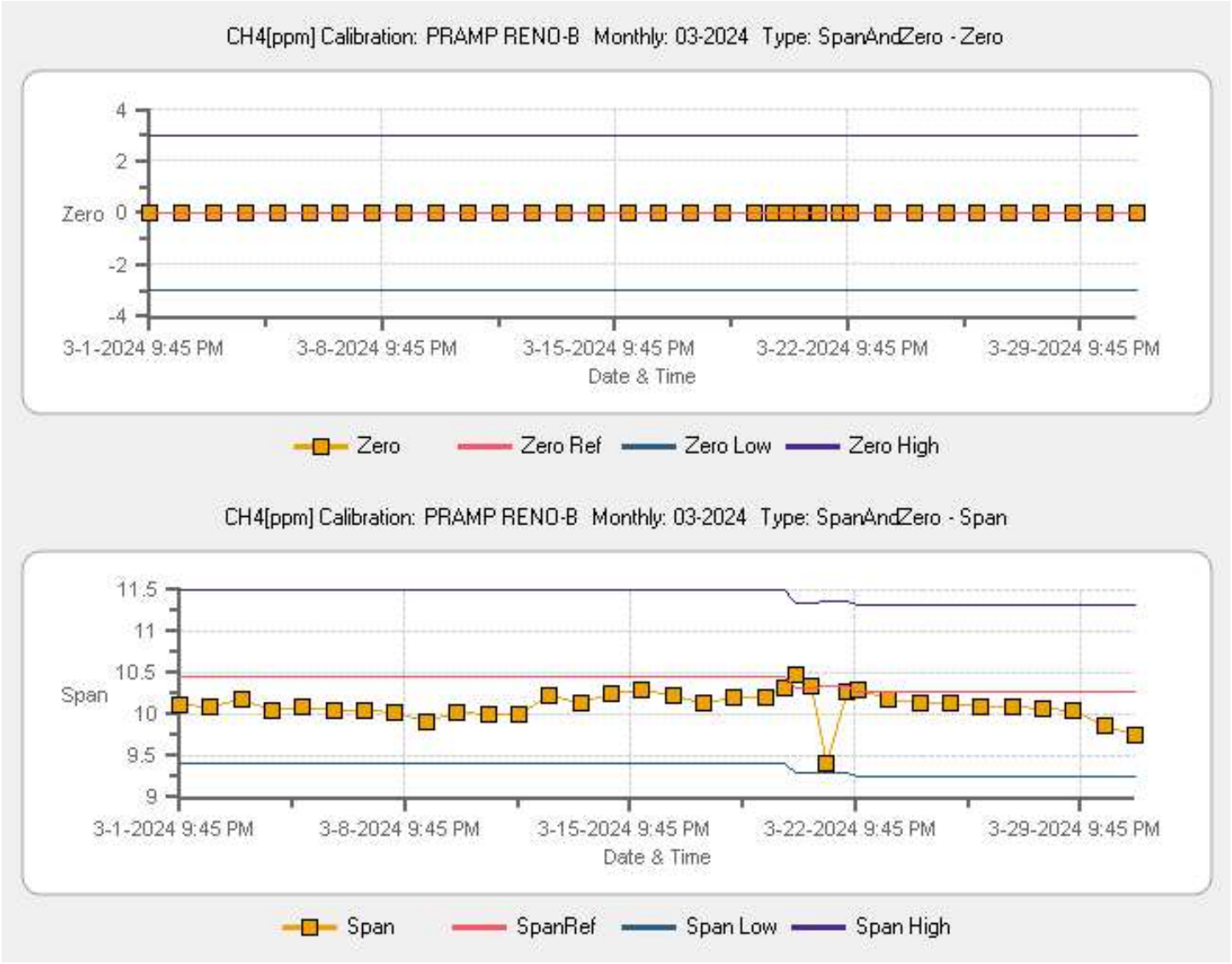
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 03-2024 Type: SpanAndZero - Zero

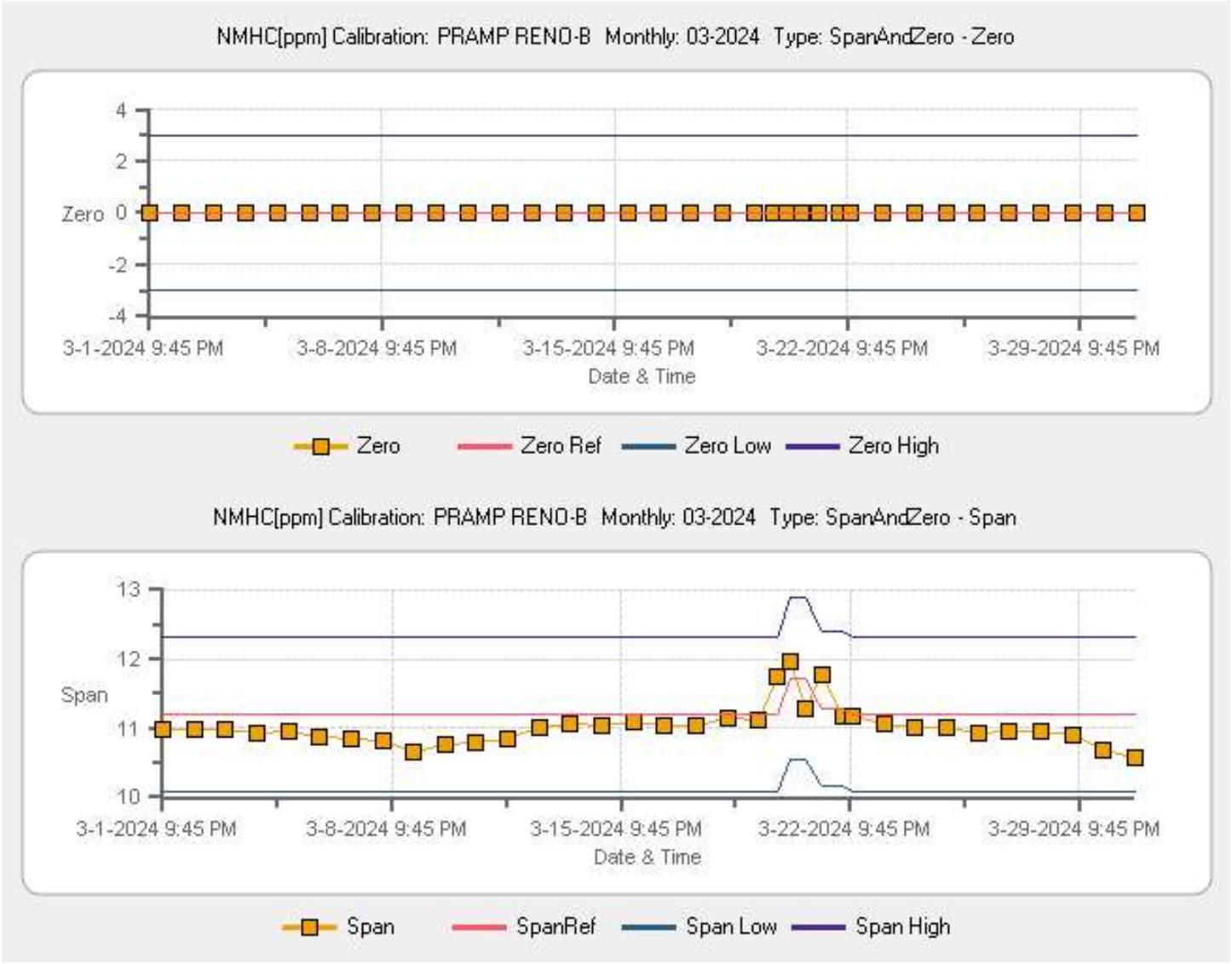


SO2[ppb] Calibration: PRAMP RENO-B Monthly: 03-2024 Type: SpanAndZero - Span


TRS[ppb] Calibration: PRAMP RENO-B Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 9:46 PM
3-8-2024 9:46 PM
3-15-2024 9:46 PM
3-22-2024 9:46 PM
3-29-2024 9:46 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 03-2024 Type: SpanAndZero - Span
42
40
38
Span
36
34
32
3-1-2024 9:46 PM
3-8-2024 9:46 PM
3-15-2024 9:46 PM
3-22-2024 9:46 PM
3-29-2024 9:46 PM
Date & Time
Span
SpanRef
Span Low
Span High


THC55[ppm] Calibration: PRAMP RENO-B Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 03-2024 Type: SpanAndZero - Span
26
24
Span 22
20
18
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Span
SpanRef
Span Low
Span High


CH4[ppm] Calibration: PRAMP RENO-B Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 03-2024 Type: SpanAndZero - Span
11.5
11
10.5
Span 10
9.5
9
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Span
SpanRef
Span Low
Span High


NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 03-2024 Type: SpanAndZero - Span
13
12
Span
11
10
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	20-Mar-2024	PREVIOUS CALIBRATION DATE:	15-Feb-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.002
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	Reno-B	BAROMETRIC (mBar):	948
PURPOSE	Routine	START TIME (MST):	12:49
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:51

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	12101910505	FLOW (mL/min)	440
INITIAL		FINAL	
BKG/OFFSET	1.33	BKG/OFFSET	1.32
COEF/SLOPE	0.933	COEF/SLOPE	0.916
Expected (reference) Value	209.4	Expected (reference) Value	211.5

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	80
MFC CALIBRATION DATE:	11-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	1400	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

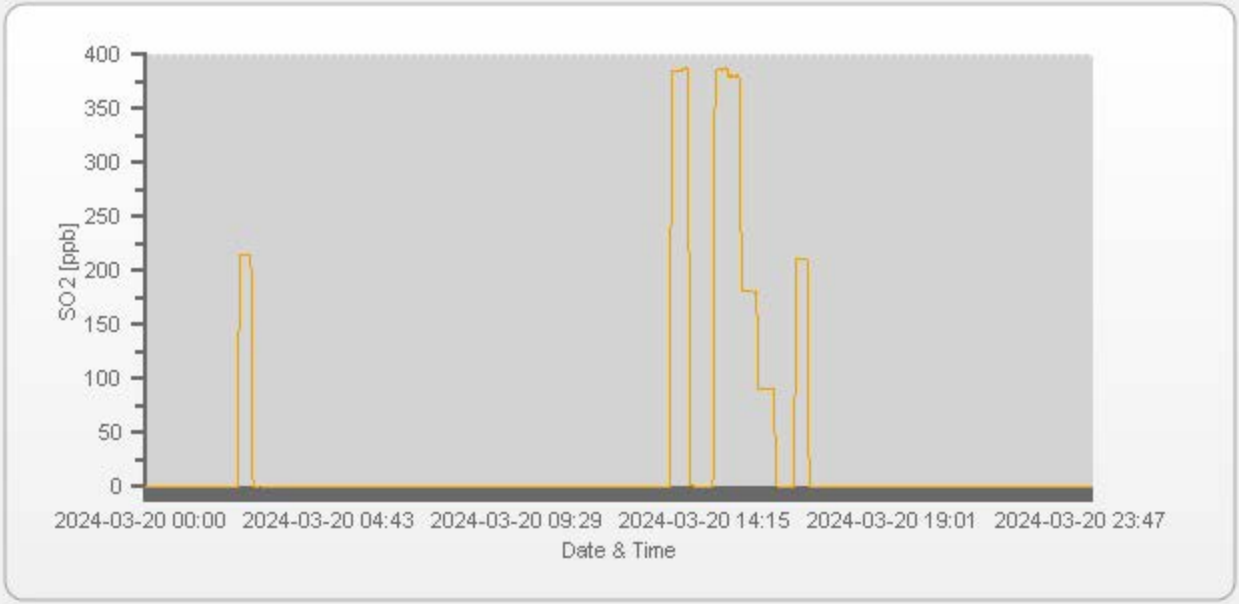
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.1	0		
3939	60.80	4000	380.00	385.6	380.4	0.985	0.999
3970	28.80	3999	180.05	n/a	181.3	n/a	0.993
3985	14.40	3999	90.02	n/a	90.3	n/a	0.997

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.1%

COMMENTS:

Sample filter changed


SO2[ppb] Station: PRAMP RENO-B Daily: 2024-03-20 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
SO2 [ppb]
2024-03-20 00:00
2024-03-20 04:43
2024-03-20 09:29
2024-03-20 14:15
2024-03-20 19:01
2024-03-20 23:47
Date & Time
SO2 [ppb]

TRS Analyzer Calibration by Dilution

DATE:	20-Mar-2024	PREVIOUS CALIBRATION DATE:	15-Feb-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	Reno-B	BAROMETRIC (mBar):	948
PURPOSE	Routine	START TIME (MST):	12:49
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:51

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	12101910504	FLOW (mL/min)	394
INITIAL		FINAL	
BKG/OFFSET	1.11	BKG/OFFSET	1.08
COEF/SLOPE	0.927	COEF/SLOPE	0.903
Expected (reference) Value	37.48	Expected (reference) Value	36.42

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	80
MFC CALIBRATION DATE:	11-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1600	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.05	0		
3969	30.90	4000	77.95	78.84	77.79	0.988	1.002
3984	15.10	3999	38.10	n/a	38.3	n/a	0.995
3992	7.50	3999	18.92	n/a	19.35	n/a	0.978

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.996	0.2%

COMMENTS:

TRS Converter CDNOVA CDN-101 #590.
Sample Filter Changed


TRS[ppb] Station: PRAMP RENO-B Daily: 2024-03-20 Type: AVG 1 Min. [1 Min.]
TRS [ppb]
90
80
70
60
50
40
30
20
10
0
-10
2024-03-20 00:00
2024-03-20 04:46
2024-03-20 09:34
2024-03-20 14:23
2024-03-20 19:11
2024-03-20 23:56
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	20-Mar-2024	PREVIOUS CALIBRATION DATE:	15-Feb-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	Reno-B	BAROMETRIC (mBar):	948
PURPOSE	Routine	START TIME (MST):	12:49
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:40

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12101910497	1121
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.999	0.998	0.998

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	1100		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	11-Aug-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.45	11.20	21.64		10.32	11.73	22.05

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3094		3094	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3048	50.30	3098	14.56	13.44	28.00	14.56	13.24	27.79	14.53	13.45	27.98	1.000	1.015	1.008	1.002	0.999	1.001
3072	25.20	3097	7.30	6.74	14.03	n/a	n/a	n/a	7.22	6.76	13.98	n/a	n/a	n/a	1.011	0.996	1.004
3083	12.60	3096	3.65	3.37	7.02	n/a	n/a	n/a	3.63	3.43	7.06	n/a	n/a	n/a	1.006	0.982	0.994

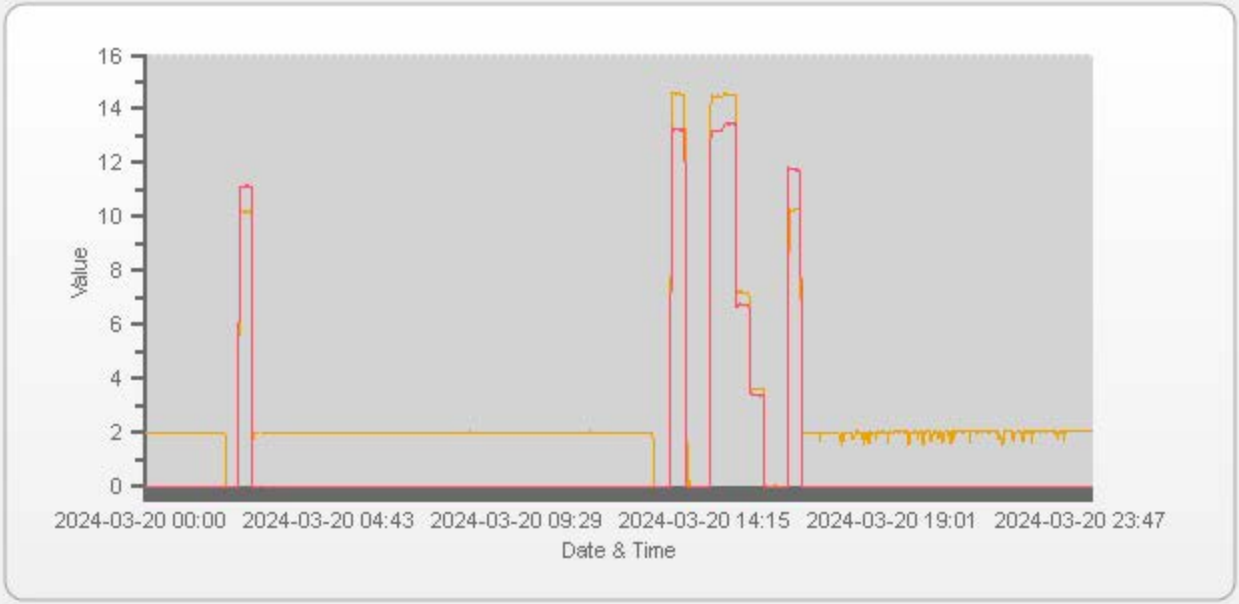
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.997	-0.1%
NMHC	1.000	0.999	0.1%
THC	1.000	0.998	0.0%

Comments:

H2 = AMA HG300 #210467069
Sample filter Changed

Use Zero Chrom? **No**


Station: PRAMP RENO-B Daily: 2024-03-20 Type: AVG 1 Min. [1 Min.]
16
14
12
10
8
6
4
2
0
Value
2024-03-20 00:00
2024-03-20 04:43
2024-03-20 09:29
2024-03-20 14:15
2024-03-20 19:01
2024-03-20 23:47
Date & Time
CH4 [ppm]
NMHC [ppm]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	21-Mar-2024	PREVIOUS CALIBRATION DATE:	20-Mar-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	Reno-B	BAROMETRIC (mBar):	947
PURPOSE	Repeat	START TIME (MST):	09:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:08

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12101910497	1121
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.002	0.999	1.001

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	1100		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	11-Aug-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.32	11.73	22.05		10.34	11.28	21.62

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3094		3094	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3048	50.30	3098	14.56	13.44	28.00	14.82	14.04	28.86	14.56	13.44	27.98	0.983	0.957	0.970	1.000	1.000	1.001
3072	25.20	3097	7.30	6.74	14.03	n/a	n/a	n/a	7.30	6.72	14.01	n/a	n/a	n/a	1.000	1.002	1.002
3084	12.60	3097	3.65	3.37	7.02	n/a	n/a	n/a	3.69	3.38	7.07	n/a	n/a	n/a	0.989	0.996	0.993

LINEAR REGRESSION ANALYSIS:

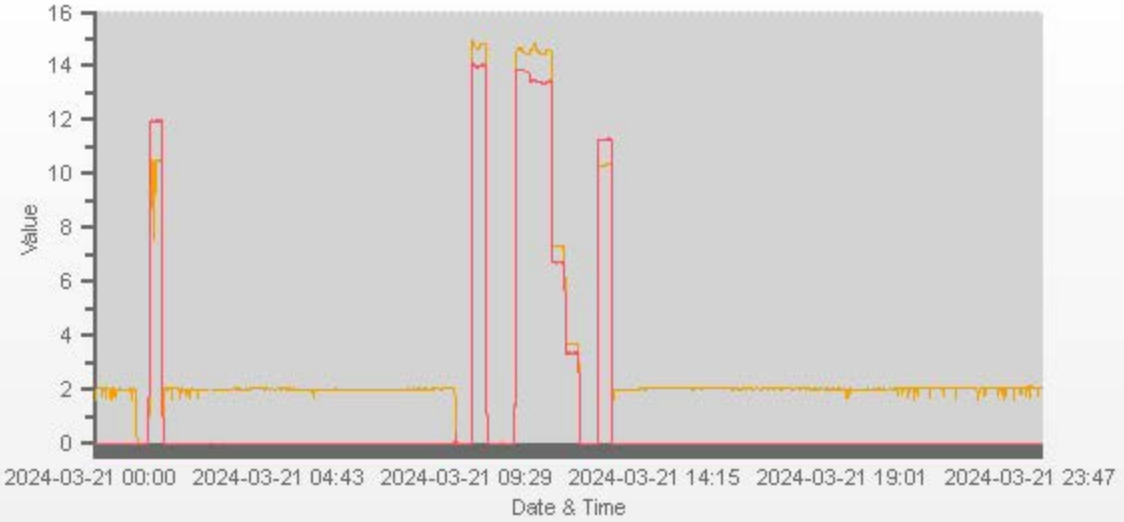
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.999	0.1%
NMHC	1.000	1.000	0.0%
THC	1.000	0.998	0.1%

Comments:

H2 = AMA HG300 #210467069

Use Zero Chrom? **Yes**

Station: PRAMP RENO-B Daily: 2024-03-21 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	22-Mar-2024	PREVIOUS CALIBRATION DATE:	n/a
CLIENT:	PRAMP	TEMPERATURE (°C):	21.8
LOCATION:	Reno-B	BAROMETRIC (mBar):	951
PURPOSE	Install/Post-Repair	START TIME (MST):	12:45
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:11

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12101910497	1121
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	n/a	n/a	n/a

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	1100		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	11-Aug-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	n/a	n/a	n/a		10.28	11.19	21.46

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3094		3094	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00						
3048	50.30	3098	14.56	13.44	28.00	n/a	n/a	n/a	14.54	13.43	27.97	n/a	n/a	n/a	1.002	1.001	1.001
3072	25.20	3097	7.30	6.74	14.03	n/a	n/a	n/a	7.24	6.72	13.97	n/a	n/a	n/a	1.008	1.002	1.005
3084	12.60	3097	3.65	3.37	7.02	n/a	n/a	n/a	3.62	3.42	7.04	n/a	n/a	n/a	1.008	0.985	0.997

LINEAR REGRESSION ANALYSIS:

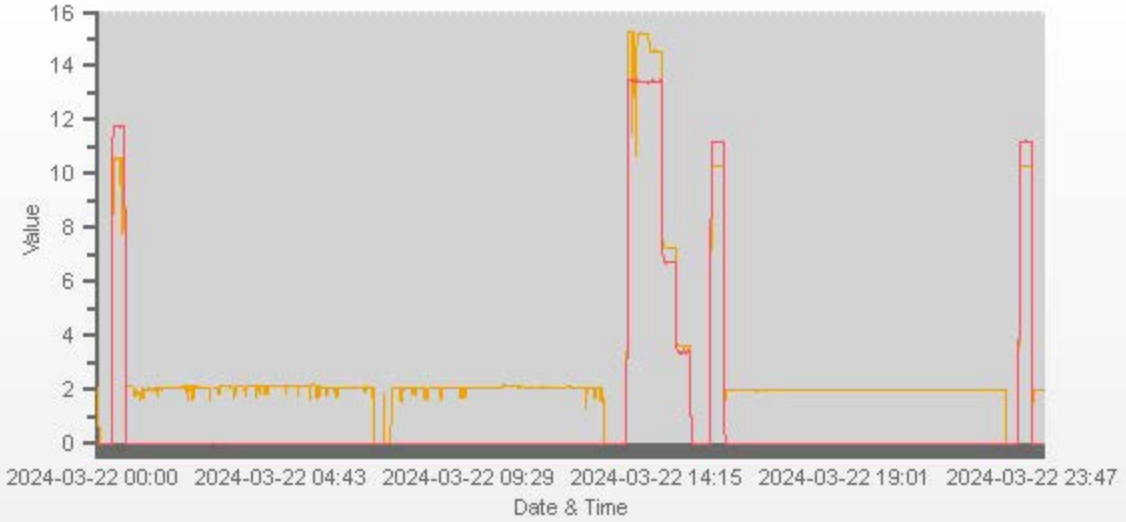
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.999	-0.1%
NMHC	1.000	0.998	0.1%
THC	1.000	0.998	0.0%

Comments:

H2 = AMA HG300 #210467069
Carrier and fuel pressures adjusted.

Use Zero Chrom? **Yes**

Station: PRAMP RENO-B Daily: 2024-03-22 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	March 20, 2024
Technician:	Kevin Sebastian
Station:	PRAMP Reno-B

Unit:	Make:	Model:	Serial #:
Precipitation Sampler:	RM Young	52202	TB 15877
Temperature Sensor:	Rotronic	HC2-S3	20467597
Barometric Pressure Sensor:	MetOne	92	A17940
Relative Humidity Sensor:	Rotronic	HC2-S3	20467597
Anemometer:	RM Young	05305AQ	174795

PRECIPITATION SENSOR CHECK

Checklist:	Reply:	Comments:
Previous check date:	December 1, 2023	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	Audit: 16:26-16:29
Is the screen on the housing? (screen should be on between July and September	yes	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

TIP TEST - Slowly pour water until 10 tip are heard. (10 tips = 1 ml)

# of Tips	Data Logger Response (ml):	Manual Specification = +/- 0.1 ml
10	1.00	0.00

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	February 15, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	FS 181341226 expires July 17, 2024
Reference Temperature (^{o}C):	-3.2
Station - Ambient Temperature (^{o}C):	-3.2
Temperature Difference (^{o}C):	0.0

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	February 15, 2024	
Reference Barometer ID:	Equipment ID - 05535 Brunton Expiry - July 17 2024	
Reference Pressure - Units/Reading:	millibar	946
Station Pressure - Units/Reading:	millibar	946
Pressure Tolerance +/- 15% of error:	804 - 1088	0.00%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	February 15, 2024	
Reference Hygrometer ID:	FS 181341226 expires July 17, 2024	
Reference Hygrometer % RH- Reading:	49.10	
Station Hygrometer % RH- Reading:	47.70	
RH Tolerance +/- 15% of difference:	41.74 - 56.47	2.9%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:		Previous check date:	
Wind Speed Observed (kph):	5~10	Wind Direction Observed:	E
Wind speed on Data Logger (kph):	8.1	Wind Direction on Data Logger:	E
		Wind Direction Pass/Fail?:	Pass

Comments

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	Reno-B	**Reviewed By:**	Limin Li
Audit Date:	August 1, 2023	**Start/End Time (mst):**	09:54 / 11:18
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly cloudy with drizzle

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	174795	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	November 23, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.5	1.001
7000	129.0	128.9	128.9	1.001
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.6	0.999
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	1	354	1.0	1.0	1.0
30	330	30	332	0.0	-2.0	1.0
60	300	60	302	0.0	-2.0	1.0
90	270	89	272	1.0	-2.0	1.5
120	240	120	241	0.0	-1.0	0.5
150	210	149	211	1.0	-1.0	1.0
180	180	181	182	-1.0	-2.0	1.5
210	150	211	150	-1.0	0.0	0.5
240	120	241	120	-1.0	0.0	0.5
270	90	271	90	-1.0	0.0	0.5
300	60	301	60	-1.0	0.0	0.5
330	30	331	29	-1.0	1.0	1.0
355	0	354	1	1.0	1.0	1.0
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**0.9**

Comments:

Declination = 15 deg East
Physical inspection completed, no issues

END OF REPORT

Peace River Area Monitoring Program

MARCH 2024

Ambient Air Monitoring Calibration Report

- AQHI - GRIMSHAW STATION-

CAL-PRAMP-202403-01689

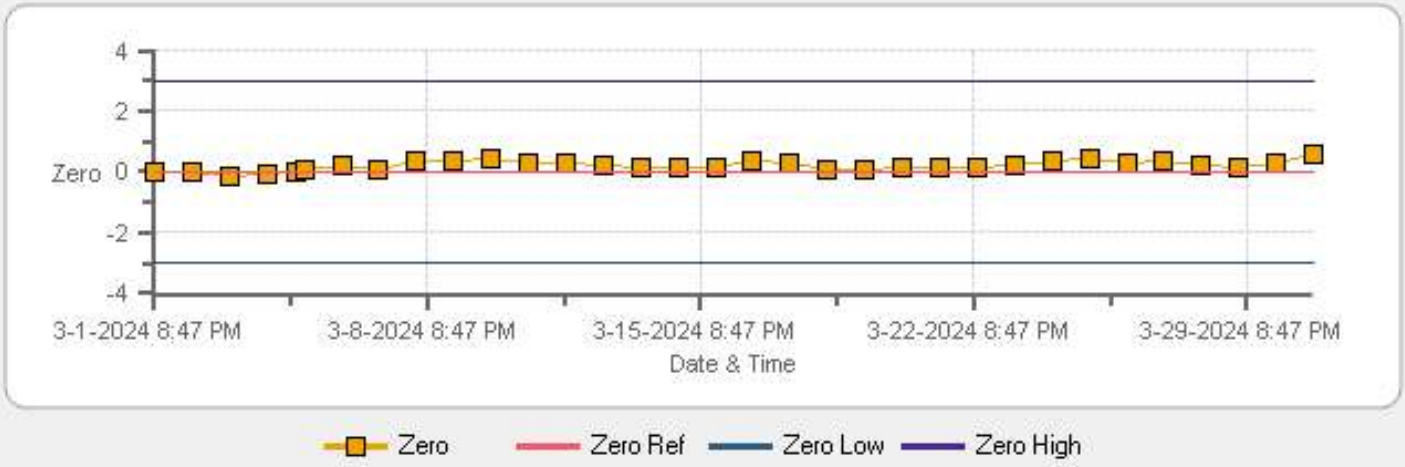
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

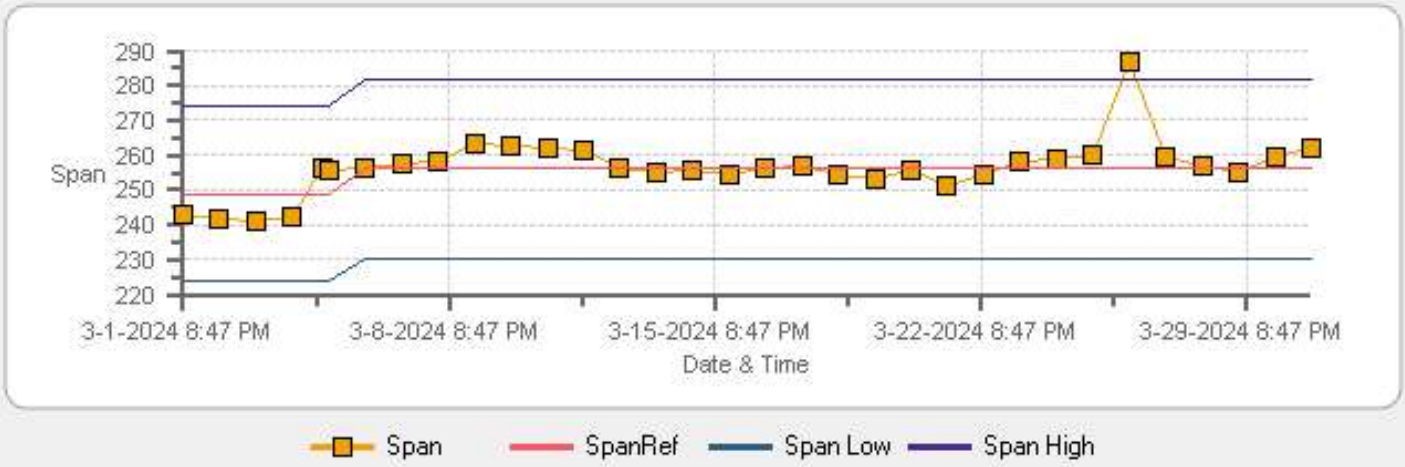
April 5, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

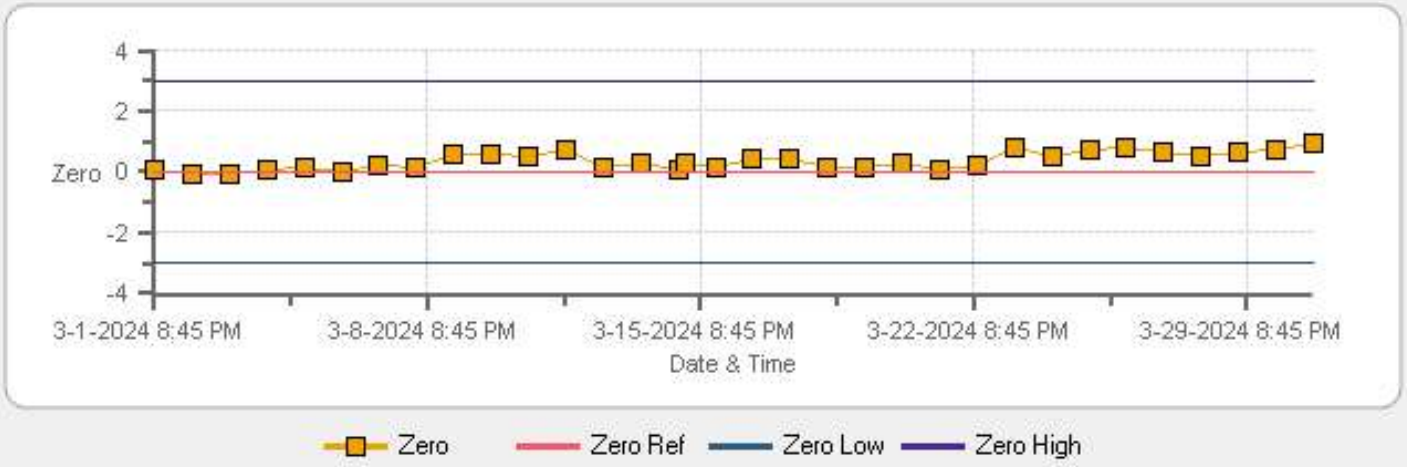
SO2[ppb] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Zero



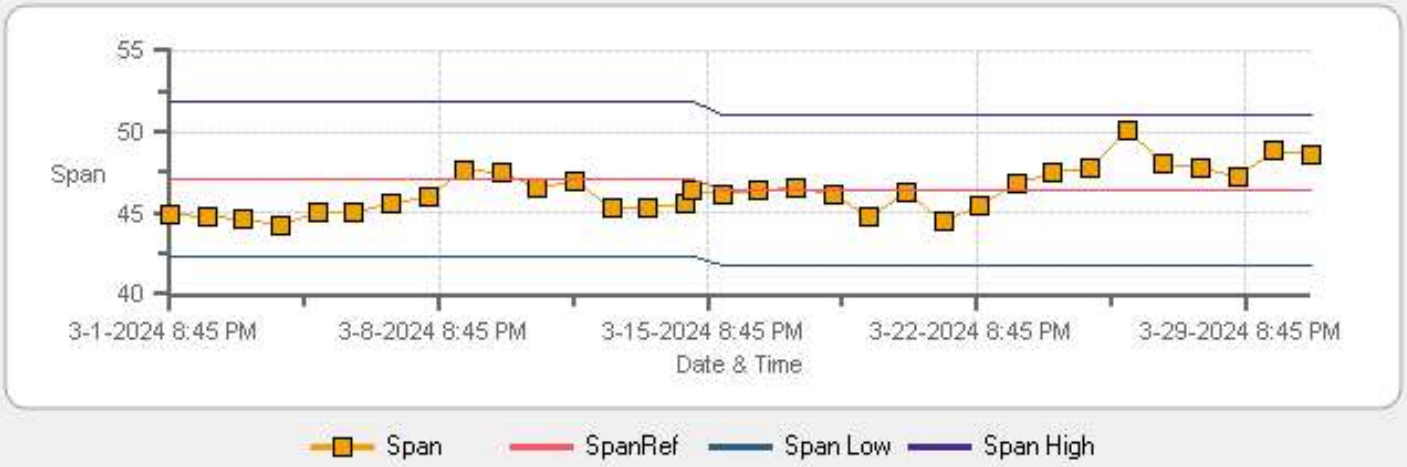
SO2[ppb] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Span



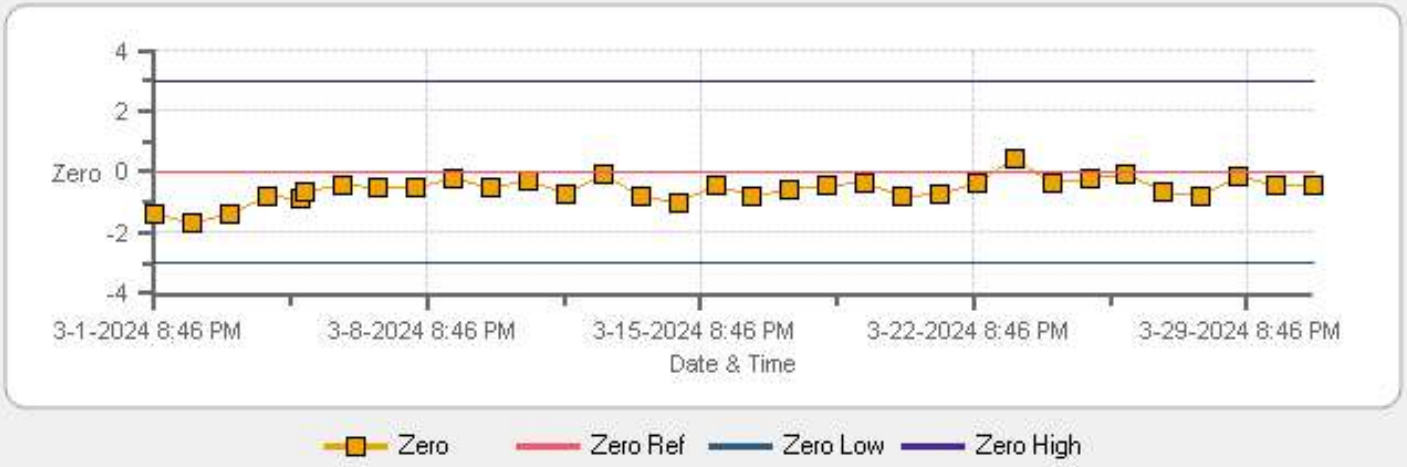
TRS[ppb] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Zero



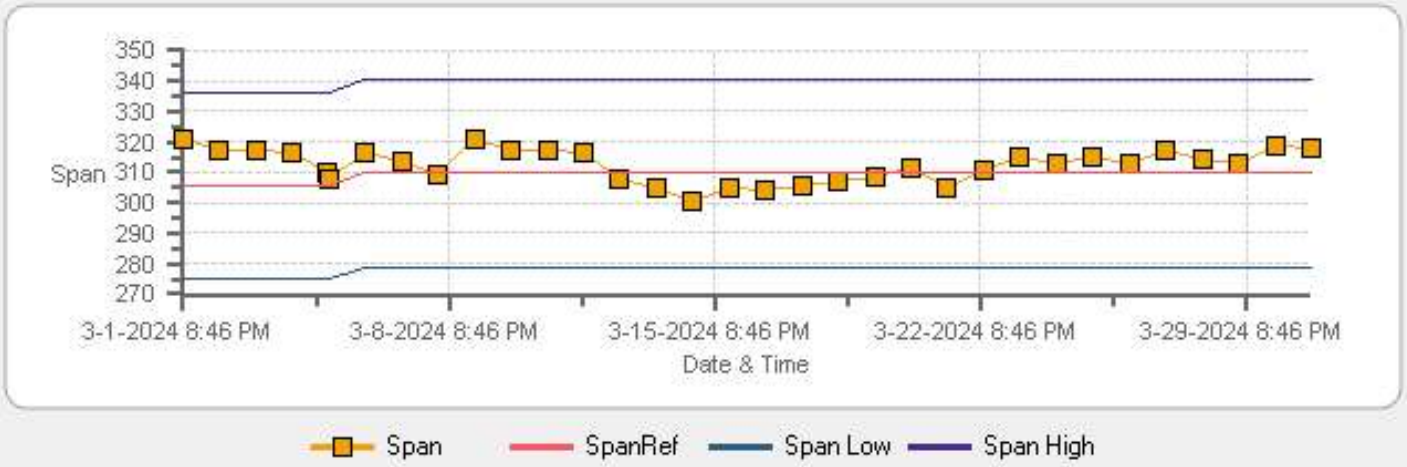
TRS[ppb] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Span



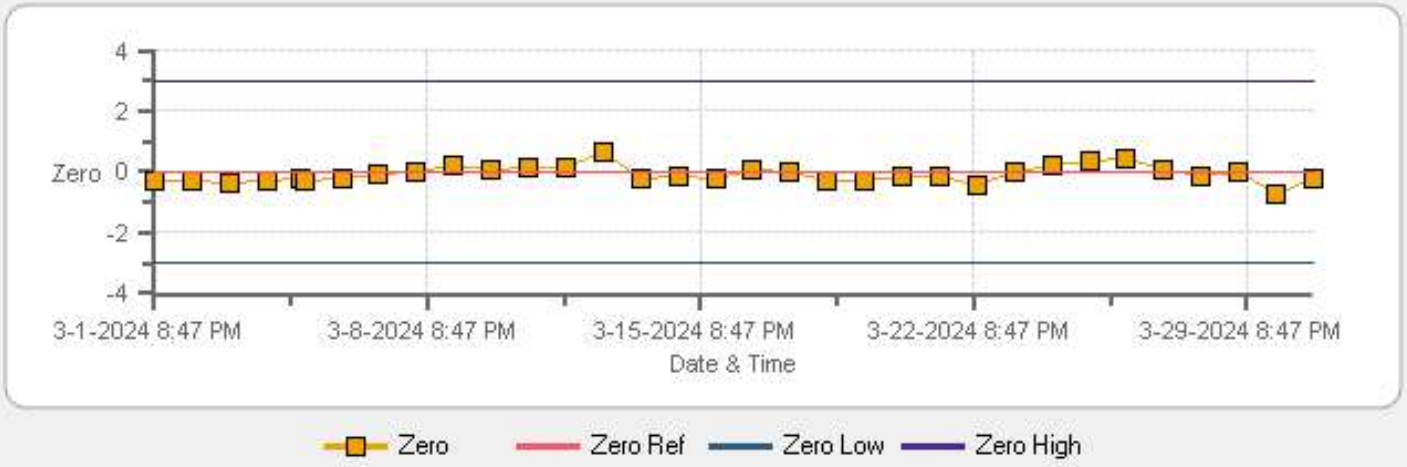
NOX[ppb] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Zero



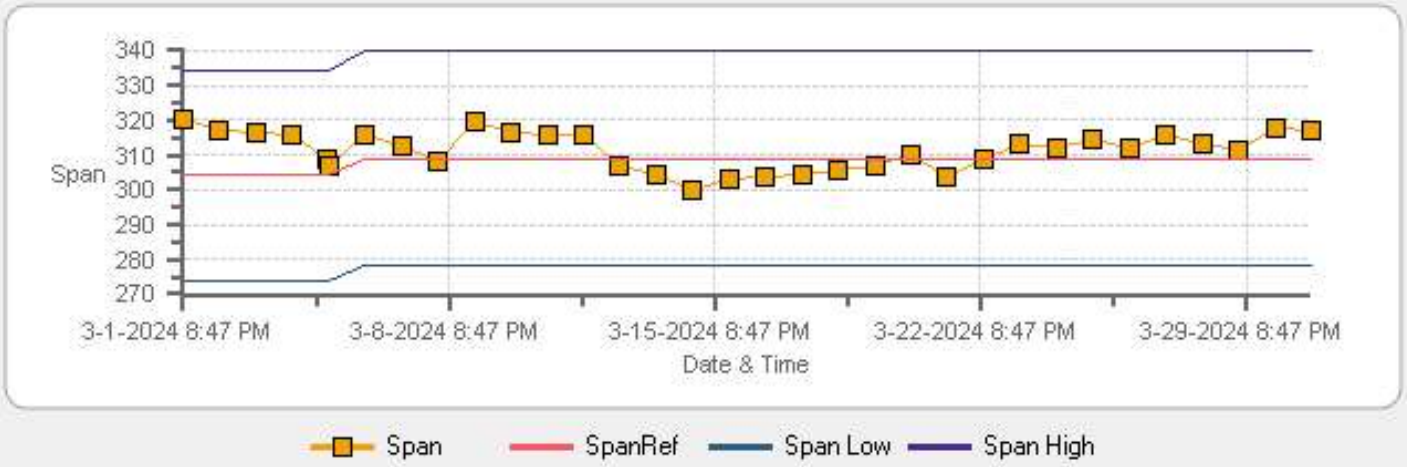
NOX[ppb] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Span



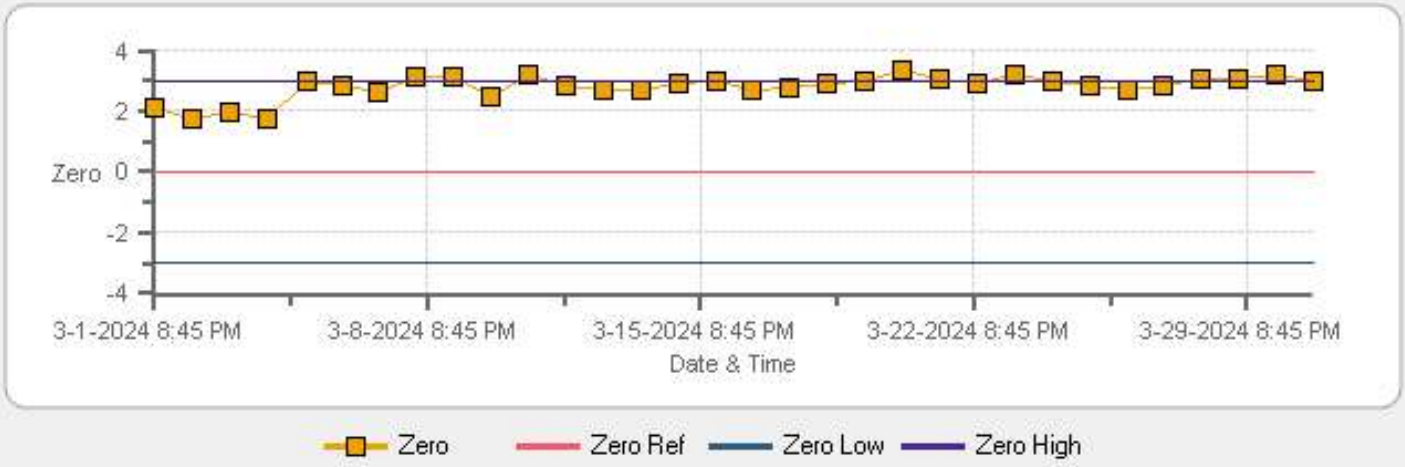
NO2[ppb] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Zero



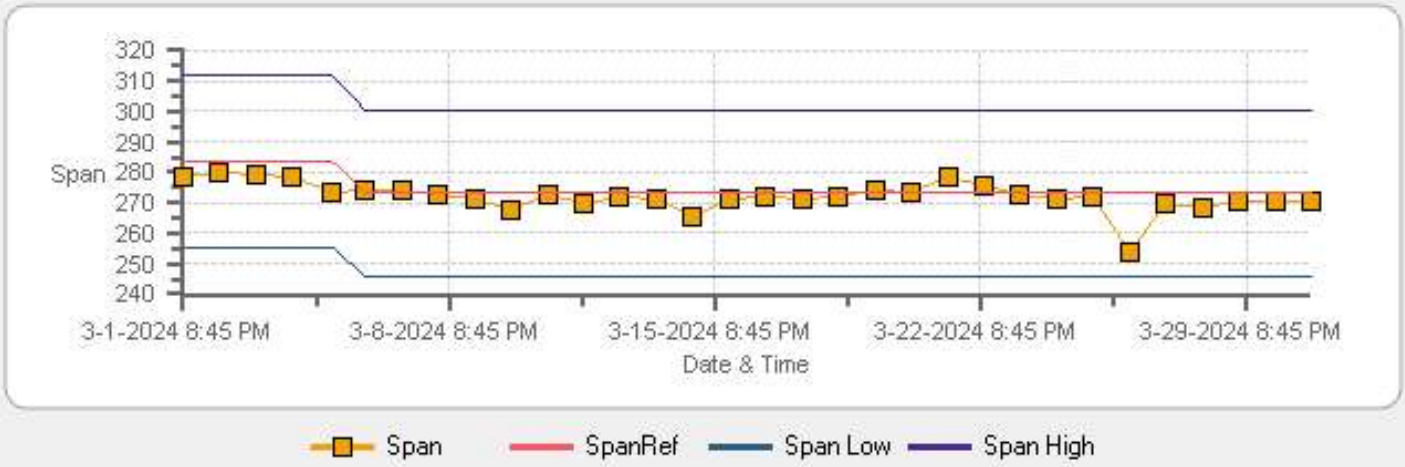
NO2[ppb] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Span



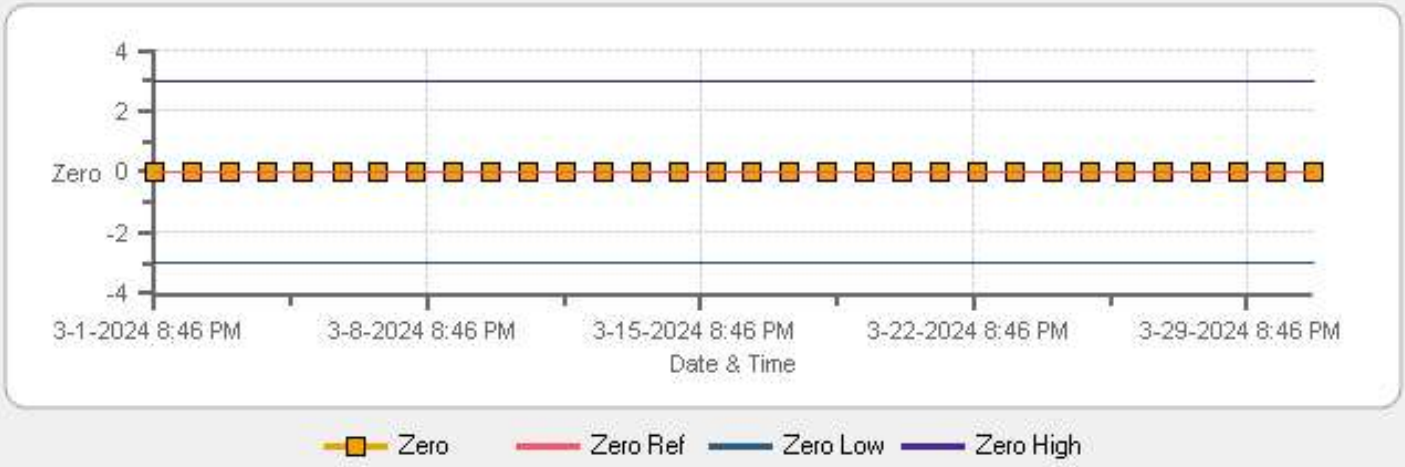
O3[ppb] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Zero



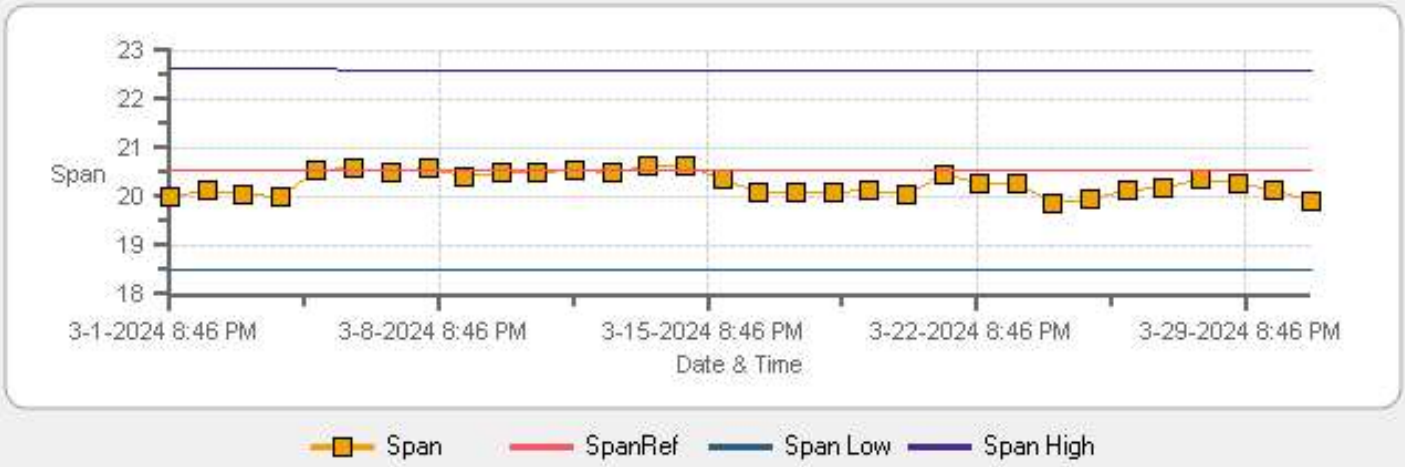
O3[ppb] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Span



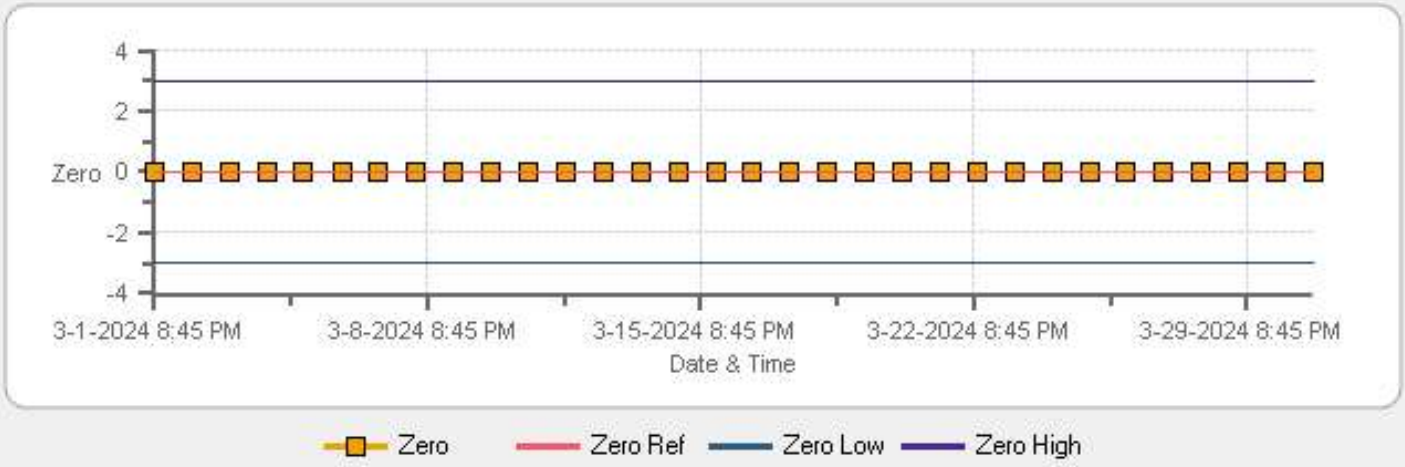
THC55[ppm] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Zero



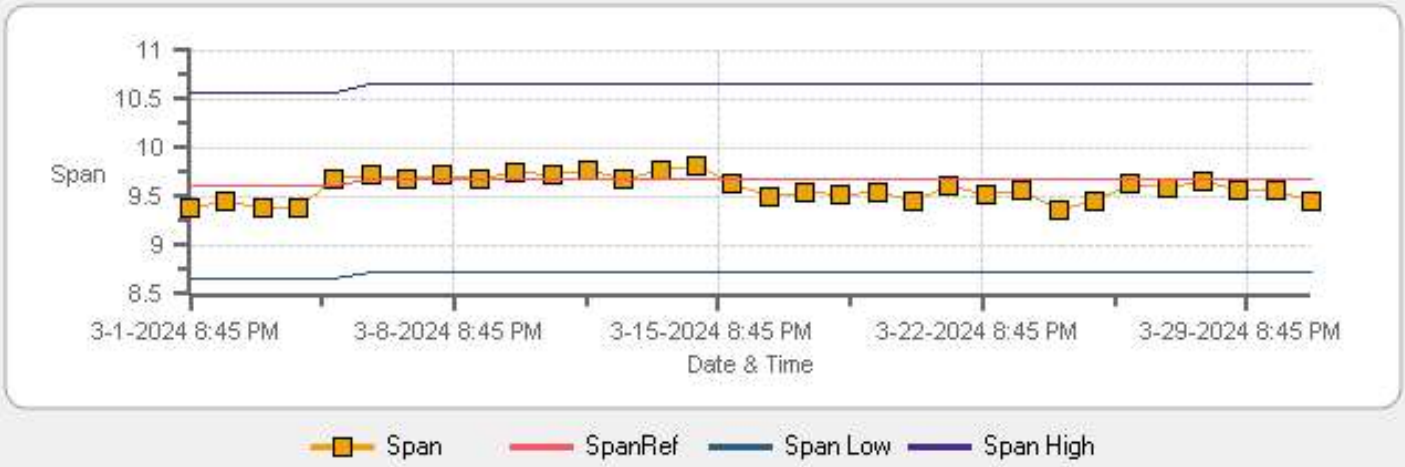
THC55[ppm] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Span



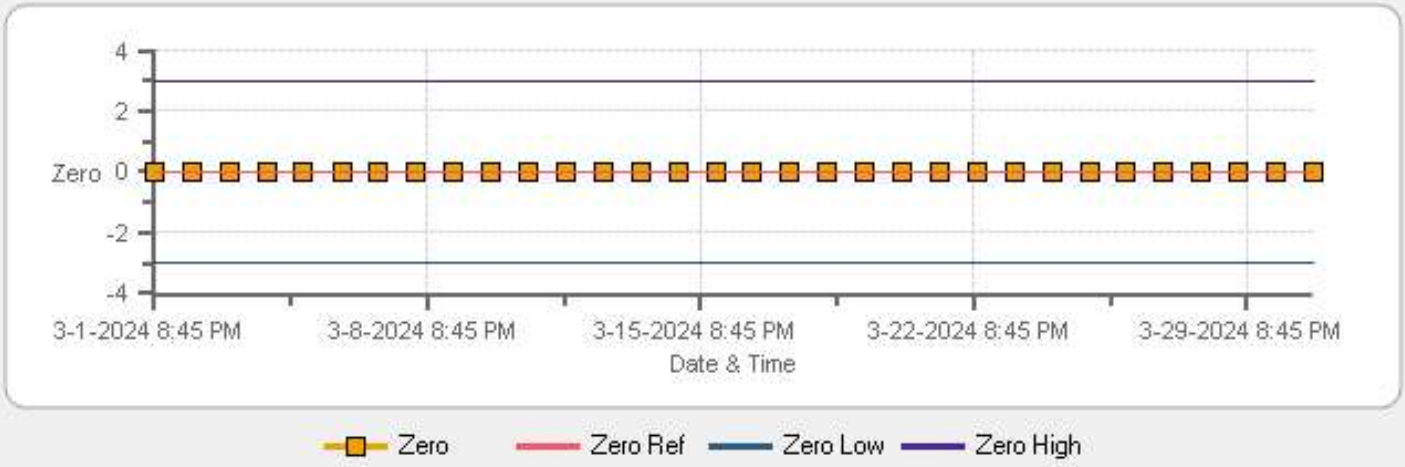
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Zero



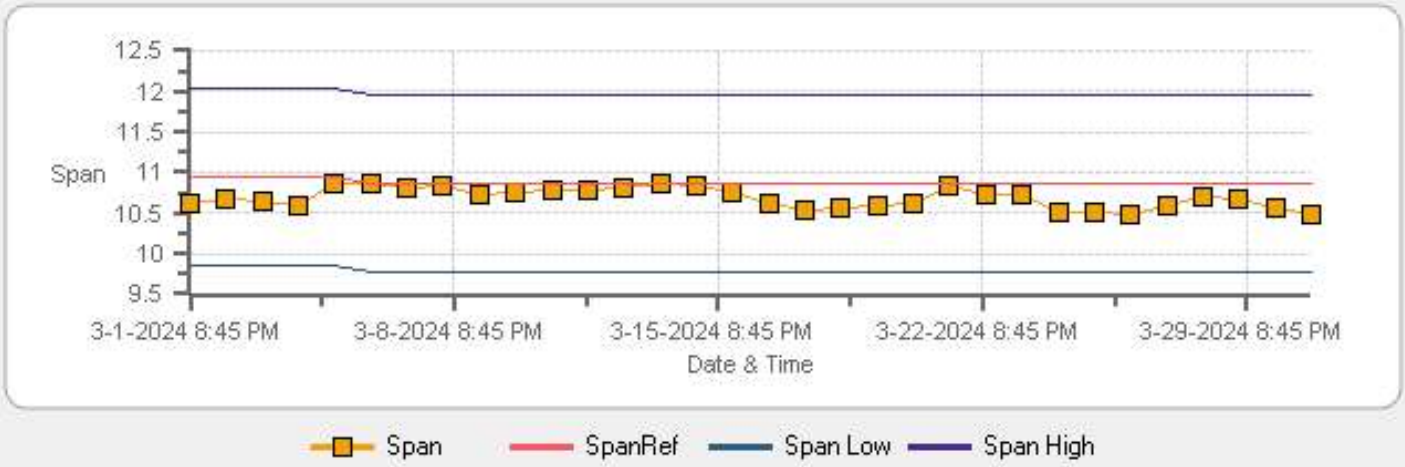
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 03-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	05-Mar-2024	PREVIOUS CALIBRATION DATE:	01-Feb-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.002
CLIENT:	PRAMP	TEMPERATURE (°C):	21.1
LOCATION:	Grimshaw	BAROMETRIC (mBar):	945
PURPOSE	Routine	START TIME (MST):	07:58
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:12

ANALYZER:

MAKE/MODEL	Teledyne T100	RANGE	500 ppb
SERIAL #	722	FLOW (mL/min)	488
INITIAL		FINAL	
BKG/OFFSET	33.2	BKG/OFFSET	32.9
COEF/SLOPE	0.893	COEF/SLOPE	0.946
Expected (reference) Value	248.9	Expected (reference) Value	256.1

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	M701
ID:	75401122	ID:	4027
MFC CALIBRATION DATE:	08-Sep-2023	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	1400	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.3	0		
3938	60.80	3999	380.10	358.6	379.7	1.059	1.001
3971	28.80	4000	180.00	n/a	179.5	n/a	1.003
3985	14.40	3999	90.02	n/a	90	n/a	1.000

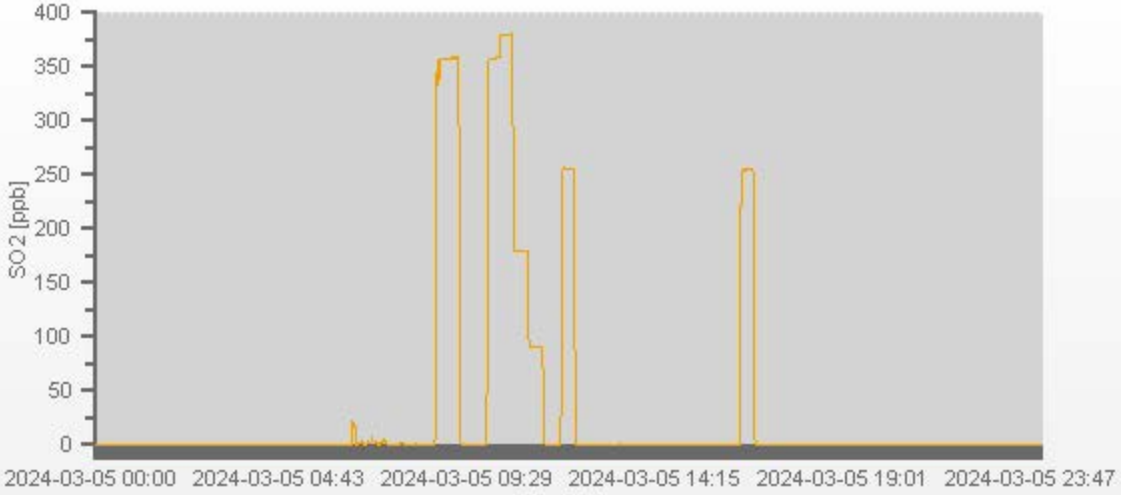
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.0%

COMMENTS:

Sample filter changed.
08:41-08:43- Regulator flushed

SO2[ppb] Station: AQHI Grimshaw Daily: 2024-03-05 Type: AVG 1 Min. [1 Min.]



SO2 [ppb]

TRS Analyzer Calibration by Dilution

DATE:	15-Mar-2024	PREVIOUS CALIBRATION DATE:	01-Feb-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.006
CLIENT:	PRAMP	TEMPERATURE (°C):	23.6
LOCATION:	Grimshaw	BAROMETRIC (mBar):	947
PURPOSE	Routine	START TIME (MST):	07:06
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	11:30

ANALYZER:

MAKE/MODEL	Teledyne T100U	RANGE	100 ppb
SERIAL #	132	FLOW (mL/min)	550
INITIAL		FINAL	
BKG/OFFSET	64.3	BKG/OFFSET	64.3
COEF/SLOPE	0.658	COEF/SLOPE	0.674
Expected (reference) Value	47.09	Expected (reference) Value	46.43

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	133
MFC CALIBRATION DATE:	11-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1500	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	07:44	SO2 Conc (ppb)	380
END TIME:	07:59	Analyzer Response (ppb)	0.1

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4000		4000	0.00	-0.03	0		
3968	30.90	3999	77.96	76.03	77.98	1.025	1.000
3984	15.10	3999	38.10	n/a	37.96	n/a	1.004
3993	7.50	4000	18.92	n/a	18.87	n/a	1.003

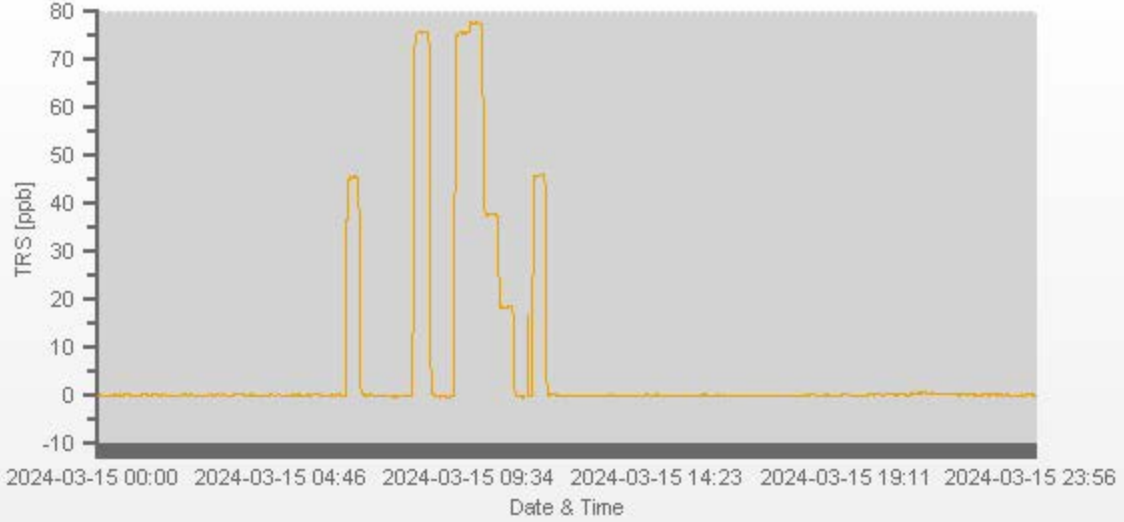
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	-0.1%

COMMENTS:

Converter, CDNova CDN-101 #576.

TRS[ppb] Station: AQHI Grimshaw Daily: 2024-03-15 Type: AVG 1 Min. [1 Min.]



TRS [ppb]

NOx Calibration by Dilution/Gas-Phase Titration

CALIBRATION:

				ANALYZER:			
DATE:	05-Mar-2024	PREVIOUS CALIBRATION DATE:	01-Feb-2024	MAKE/MODEL:	Teledyne T200	PREVIOUS CF.	
CLIENT:	PRAMP	TEMPERATURE (°C):	21.1	SERIAL #:	837	NOx	1.003
LOCATION:	Grimshaw	BAROMETRIC (mBar):	945	FLOW (mL/min)	444	NO	1.002
PURPOSE	Routine	START TIME (MST):	07:58	RANGE (ppb)	500	NO2	0.998
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:57	GPT FOR O3?		Yes	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Sabio	CYLINDER ID:	EY0001716		HIGH ID:	n/a
MODEL:	2010	MODEL:	M701	NO/NOx (PPM):	49.2	49.4	HIGH EXPIRY:	n/a
ID:	26801218	ID:	4027	CYLINDER (psi):	800		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Sep-2023	OXIDIZER ID:	n/a	EXPIRY DATE	11-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION SETTINGS:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
BKG/OFFSET:	2.3	1.2	n/a	BKG/OFFSET:	1.1	0.2	n/a
SLOPE/COEF/CE:	0.989	0.986	0.996	SLOPE/COEF/CE:	0.984	0.99	0.996

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	305.9	1.8	304.1		309.9	0.9	309.0

CALIBRATION PARAMETERS:

POINT	NO TARGET (PPB)	NO2 TARGET (PPB)	NO2 RANGE	O3 POINT
HIGH	395	250	240-275	n/a
MID	180	154	150-157	Mid
LOW	90	54	50-58	Low
EXTRA 1	n/a	340	300-370	High

NO/NOx CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (ppb)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2
4999		4999	0.0	0.0	0.0	-0.6	-1.0	-0.4	0.0	0.0	0.0						
4960	40.10	5000	394.6	396.2	1.6	379.6	386.0	6.4	394.4	395.9	1.5	1.038	1.024		1.000	1.001	
4982	18.30	5000	180.1	180.8	0.7	n/a	n/a	n/a	180.3	180.1	-0.2	n/a	n/a		0.999	1.004	
4991	9.20	5000	90.5	90.9	0.4	n/a	n/a	n/a	88.9	89.5	0.6	n/a	n/a		1.018	1.016	

GPT CALIBRATION:

Point	CALIBRATOR			INDICATED (ppb)			NO DROP / O3 Conc (ppb)	NO2 GAIN (ppb)	NO2 Corr. FACTOR	CONV. EFFICIENCY
	GAS	TOTAL	O3 SETPOINT	NO	NOx	NO2				
REFERENCE	40.10	5000	0	393.5	393.8	0.3				
AS-FOUND HIGH	40.10	5000	260	127.2	393.7	266.6	266.3	266.3	1.000	100.00%
ADJUSTED HIGH	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	**n/a**	n/a
MID	40.10	5000	150	241.0	394.8	153.8	152.5	153.5	0.993	100.66%
LOW	40.10	5000	57	339.0	391.8	52.8	54.5	52.5	1.038	96.33%
NO2 adjustment not required.									AVERAGE:	99.00%

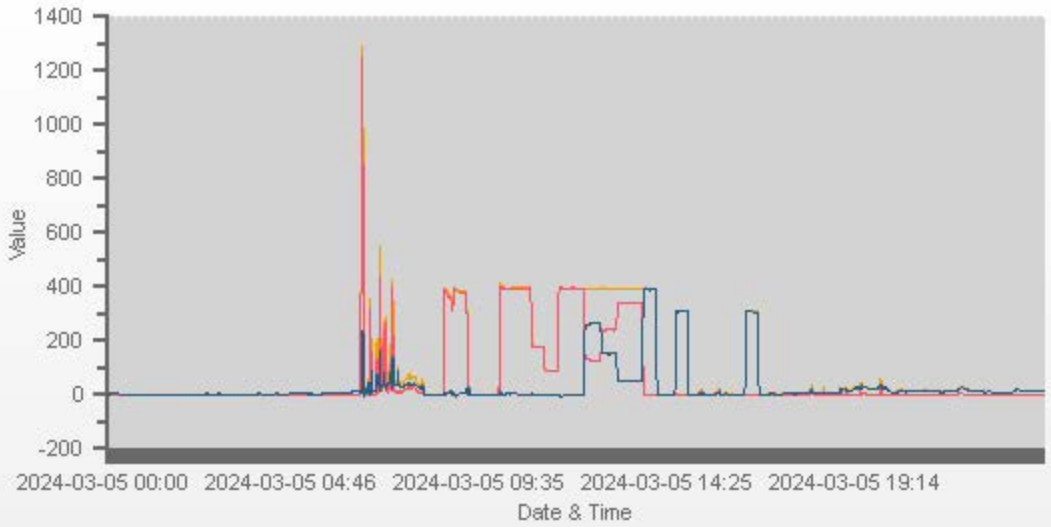
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
NO	1.000	1.001	-0.11%
NOx	1.000	1.000	-0.13%
NO2	1.000	1.009	-0.35%

COMMENTS:

Sample filter changed.
08:50-08:52 Regulator flushed
Extra point for O3. Setpoint = 380, NO drop (O3) = 391.7

Station: AQHI Grimshaw Daily: 2024-03-05 Type: AVG 1 Min. [1 Min.]



Ozone Calibration by Direct GPT

DATE:	05-Mar-2024	PREVIOUS CALIBRATION DATE:	02-Feb-2024
PARAMETER:	O3	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	22.8
LOCATION:	Grimshaw	BAROMETRIC (mBar):	945
PURPOSE	Routine	START TIME (MST):	14:13
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	18:59

ANALYZER:

MAKE/MODEL	Teledyne T400	RANGE	500 ppb
SERIAL #	824	FLOW (mL/min)	758
INITIAL		FINAL	
BKG/OFFSET	-1.4	BKG/OFFSET	-2.2
COEF/SLOPE	0.989	COEF/SLOPE	0.981
Expected (reference) Value	283.6	Expected (reference) Value	273.3

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	M701
ID:	26801218	ID:	4027
MFC CALIBRATION DATE:	12-Sep-2023	OXIDIZER ID:	n/a
CALIBRATION METHOD:		Direct GPT	
GPT DATE:	05-Mar-2024	GPT END TIME:	14:03

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
RANGE	300 - 400	150 - 200	50 - 100

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
5000		5000	0.0	-0.7	0.0		
5000		5000	391.7	396.7	393.0	0.986	0.997
5000		5000	152.5	n/a	151.6	n/a	1.006
5000		5000	54.5	n/a	54.3	n/a	1.004

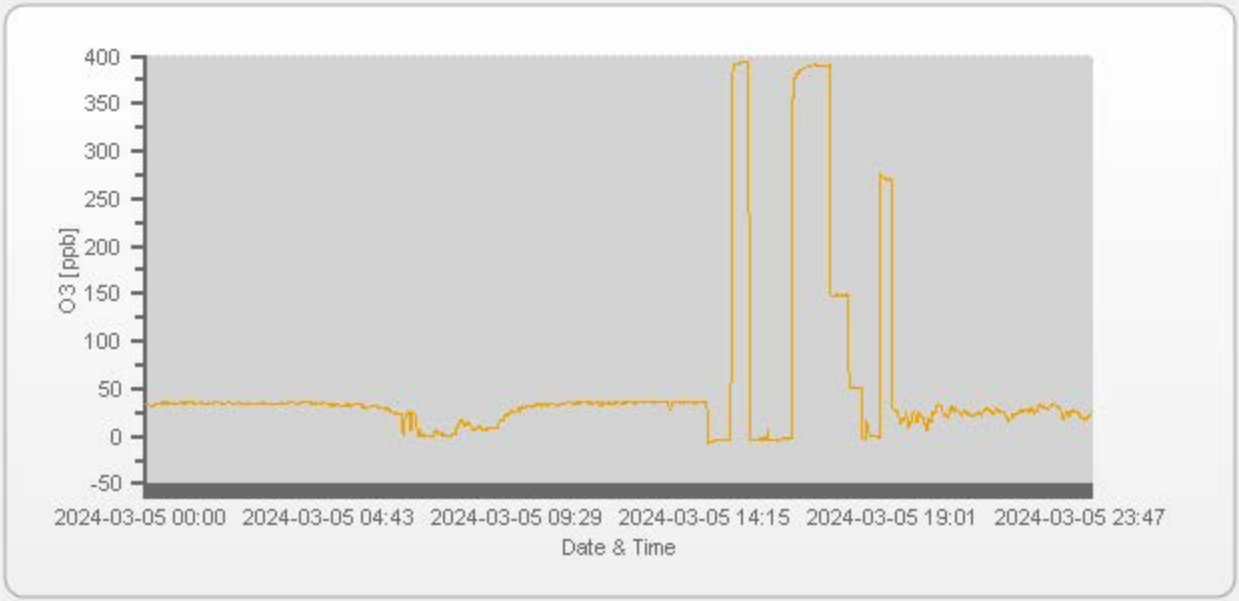
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.004	-0.1%

COMMENTS:

Sample filter changed

O3[ppb] Station: AQHI Grimshaw Daily: 2024-03-05 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	05-Mar-2024	PREVIOUS CALIBRATION DATE:	02-Feb-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.6
LOCATION:	Grimshaw	BAROMETRIC (mBar):	945
PURPOSE	Routine	START TIME (MST):	11:34
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:07

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1191032505	1093
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.999	0.997	0.998

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Sabio	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	M701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	75401122	ID:	4027	CYLINDER (psi):	1200		LOW ID:	n/a
MFC CALIBRATION DATE:	08-Sep-2023	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.61	10.95	20.56		9.69	10.87	20.55

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3249		3249	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3196	52.80	3249	14.58	13.45	28.03	14.15	13.18	27.33	14.62	13.43	28.06	1.030	1.021	1.026	0.997	1.002	0.999
3224	26.40	3250	7.29	6.72	14.01	n/a	n/a	n/a	7.36	6.78	14.14	n/a	n/a	n/a	0.990	0.992	0.991
3236	13.20	3249	3.64	3.36	7.01	n/a	n/a	n/a	3.70	3.42	7.11	n/a	n/a	n/a	0.985	0.983	0.986

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.002	0.1%
NMHC	1.000	0.997	0.2%
THC	1.000	1.000	0.2%

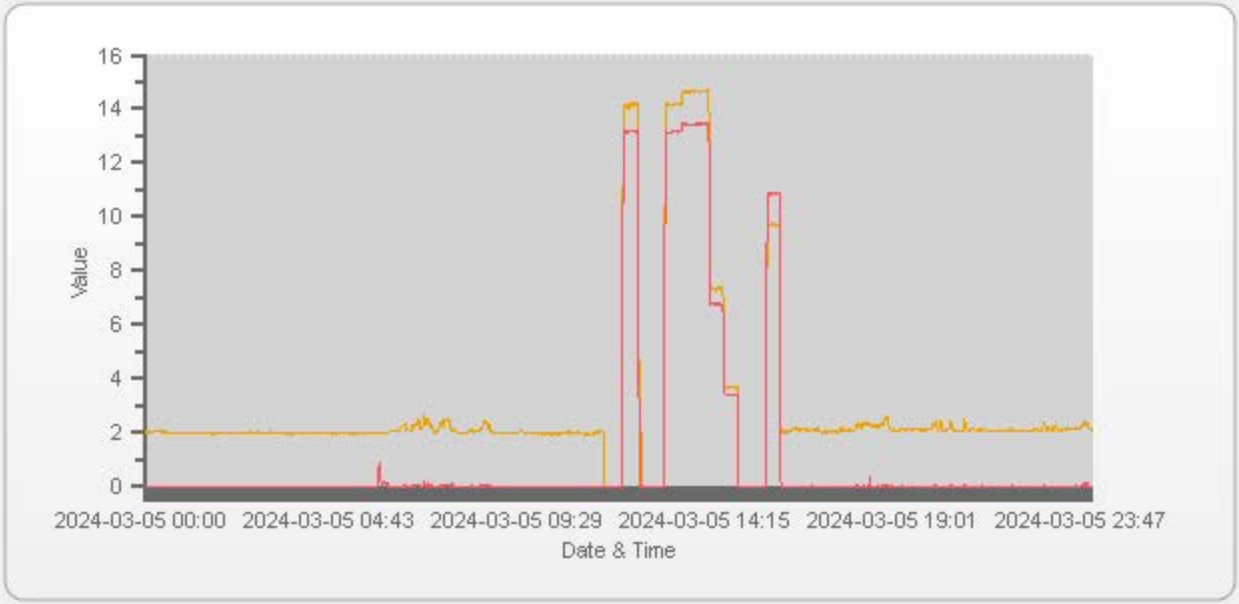
Comments:

H2 = AMA HG300 #190567059

Sample Filter Changed

Use Zero Chrom? **Yes**

Station: AQHI Grimshaw Daily: 2024-03-05 Type: AVG 1 Min. [1 Min.]



Teledyne T640 Audit/Calibration

Date/Previous Audit Date:	March 5, 2024	February 2, 2024	**Weather Conditions:**	Mainly sunny	
Company:	PRAMP		**Start Time (mst):**	14:24	
Station:	Grimshaw		**End Time (mst):**	15:09	
Parameter:	PM 2.5		**Performed By/Reviewer:**	Kevin Sebastian	Limin Li
Instrument Data:					
Make/Model:	Teledyne T640		**Serial Number:**	318	
Owner:	PRAMP		**Alarms (detail in comments):**	Yes	
Reference Standards/I.D./Expiry Date:					

Flow Standard: Deltacal DC1 #201587, Exp Dec 19, 2024 **Temperature:** Deltacal DC1 #201587, Exp Dec 19, 2024

Digital Manometer: Deltacal DC1 #201587, Exp Dec 19, 2024 **Pressure:** Deltacal DC1 #201587, Exp Dec 19, 2024

DIAGNOSTICS:

Ambient Pressure (mmHg)	707.7	Ambient Temp (°C)	-12.6	ASC Heater Duty (%)	0.0
Box Temp (°C)	25.4	Current PMT HV (V)	1526	LED Temp (°C)	33.76
P3 Value	46	PMT Setting (V)	1532	Pump PWM (%)	85
Sample Flow (L/min)	5.00	Sample RH (%RH)	6.5	Sample Temp (°C)	23.2

Item:	As-found		As-left		Tolerance
	Reference	T640x	Reference	T640x	
Zero Test (Leak Check)	PM10	0.0	0	0.0	0.0 to 0.2
	PM2.5	0.0	0	0.0	
Ambient Pressure (mmHg)	704.5	707.7	n/a	n/a	+/- 10 mm Hg
Ambient Temperature (°C)	-12.30	-11.3	n/a		+/- 2°C
Sample Flow (L/min)	4.99	5.03	n/a	n/a	+/-5% of T640x (e.g., 4.75 – 5.25 lpm)
Additional Monthly Maintenance :					***Completed***
				Inlet cleaned?	Yes
				Sample tubing inspected (inner and outer)?	Yes

Quarterly Audit/Calibration:

SpanDust™ Standard	Peak at Channel	Lot No:	Expiry:
	10.9	100128-050-046	5-10-2025

Item:	Verification:		Calibration (if needed):		Tolerance
	Reference	T640x	Reference	T640x	
Peak Channel	10.9	10.7	n/a	n/a	± 0.5
PMT Setting (V)	n/a	1532	n/a	n/a	n/a
Peak Channel Counts:	n/a	1032	n/a	n/a	n/a
Additional Checks and Maintenance:					***Completed***
Every 12 months (or if valve or pump PWM value approaches 80%)	1. New internal Disposable Filter Unit (DFU) [inside front panel]				Yes

Comments:

Meteorological System Checklist

Date:	March 5, 2024		
Technician:	Kevin Sebastian		
Station:	PRAMP Grimshaw		
Unit:	**Make:**	**Model:**	**Serial #:**
Temperature Sensor:	Vaisala	HMP155	N2910506
Barometric Pressure Sensor:	MetOne	92	A2397
Relative Humidity Sensor:	Vaisala	HMP155	N2910506
Anemometer:	RM Young	05305AQ	174801
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	February 2, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Temperature (^{o}C):	-14.1		
Station - Ambient Temperature (^{o}C):	-14.5		
Temperature Difference (^{o}C):	0.4		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	February 2, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024		
Reference Pressure - Units/Reading:	millibar	944.5	
Station Pressure - Units/Reading:	millibar	943.6	
Pressure Tolerance +/- 15% of error:	803 - 1086	0.10%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	February 2, 2024		
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	70.60		
Station Hygrometer % RH- Reading:	71.90		
RH Tolerance +/- 15% of difference:	60.01 - 81.19	-1.8%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	February 2, 2024	Previous check date:	February 2, 2024
Wind Speed Observed (kph):	0~5	Wind Direction Observed:	SW
Wind speed on Data Logger (kph):	3.2	Wind Direction on Data Logger:	SW
		Wind Direction Pass/Fail?:	Pass

Comments

No issues

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	Grimshaw	**Reviewed By:**	Limin Li
Audit Date:	August 2, 2023	**Start/End Time (mst):**	14:55 / 16:16
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly cloudy with sunny breaks

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	174801	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	July 12, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.5	1.001
7000	129.0	128.9	128.9	1.001
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.2	1.001
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	2	354	2.0	1.0	1.5
30	330	29	333	1.0	-3.0	2.0
60	300	58	300	2.0	0.0	1.0
90	270	88	271	2.0	-1.0	1.5
120	240	119	237	1.0	3.0	2.0
150	210	149	206	1.0	4.0	2.5
180	180	178	177	2.0	3.0	2.5
210	150	206	148	4.0	2.0	3.0
240	120	238	119	2.0	1.0	1.5
270	90	272	87	-2.0	3.0	2.5
300	60	304	57	-4.0	3.0	3.5
330	30	333	30	-3.0	0.0	1.5
355	0	354	1	1.0	1.0	1.0
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**2.0**

Comments:

Declination = 15 deg East
Horizontal bearings replaced.
Potentiometer noisy. Replacement required.

END OF REPORT

Peace River Area Monitoring Program

MARCH 2024

Ambient Air Monitoring Calibration Report

- PEACE RIVER COMPLEX (PRC) STATION-

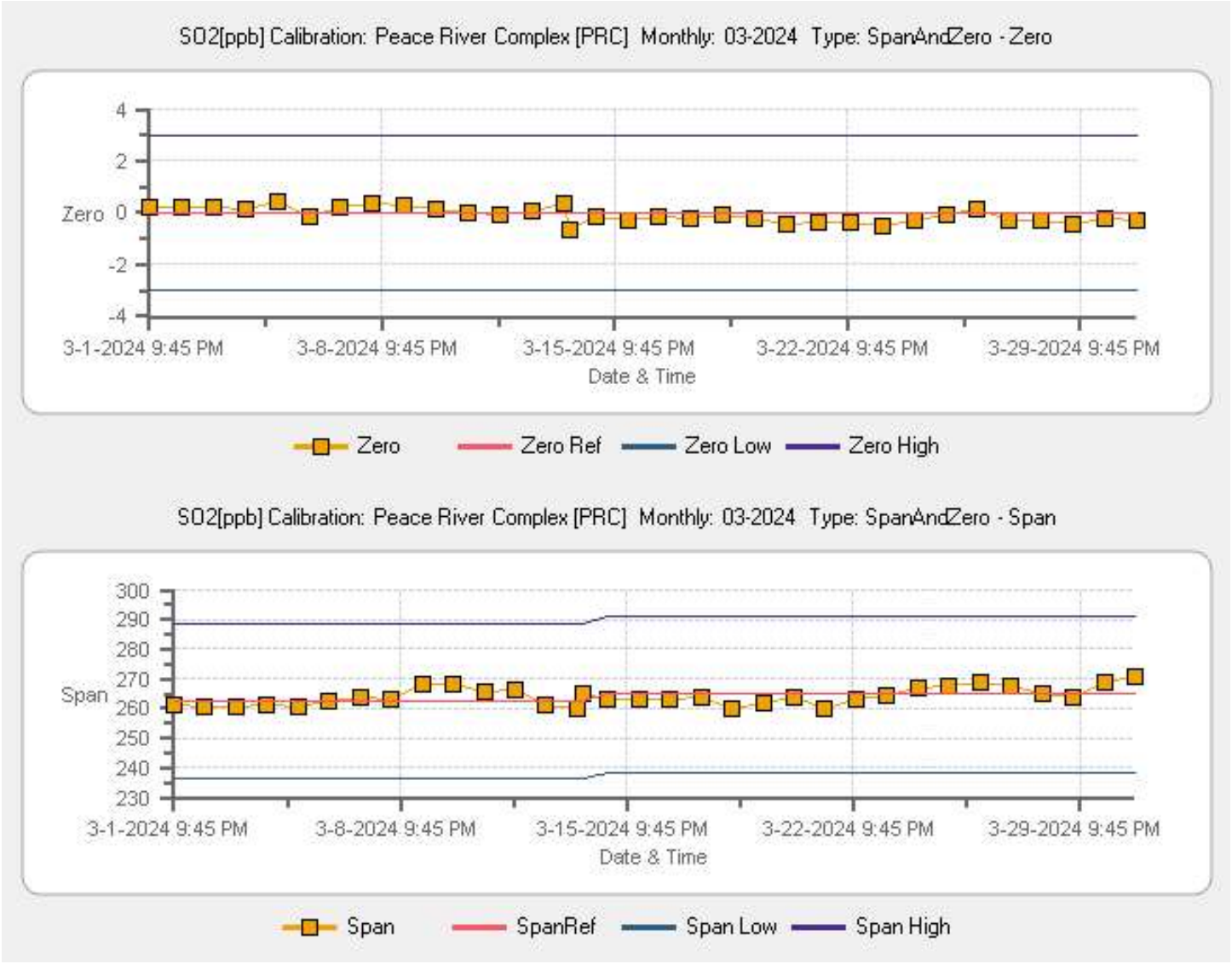
CAL-PRAMP-202403-01698

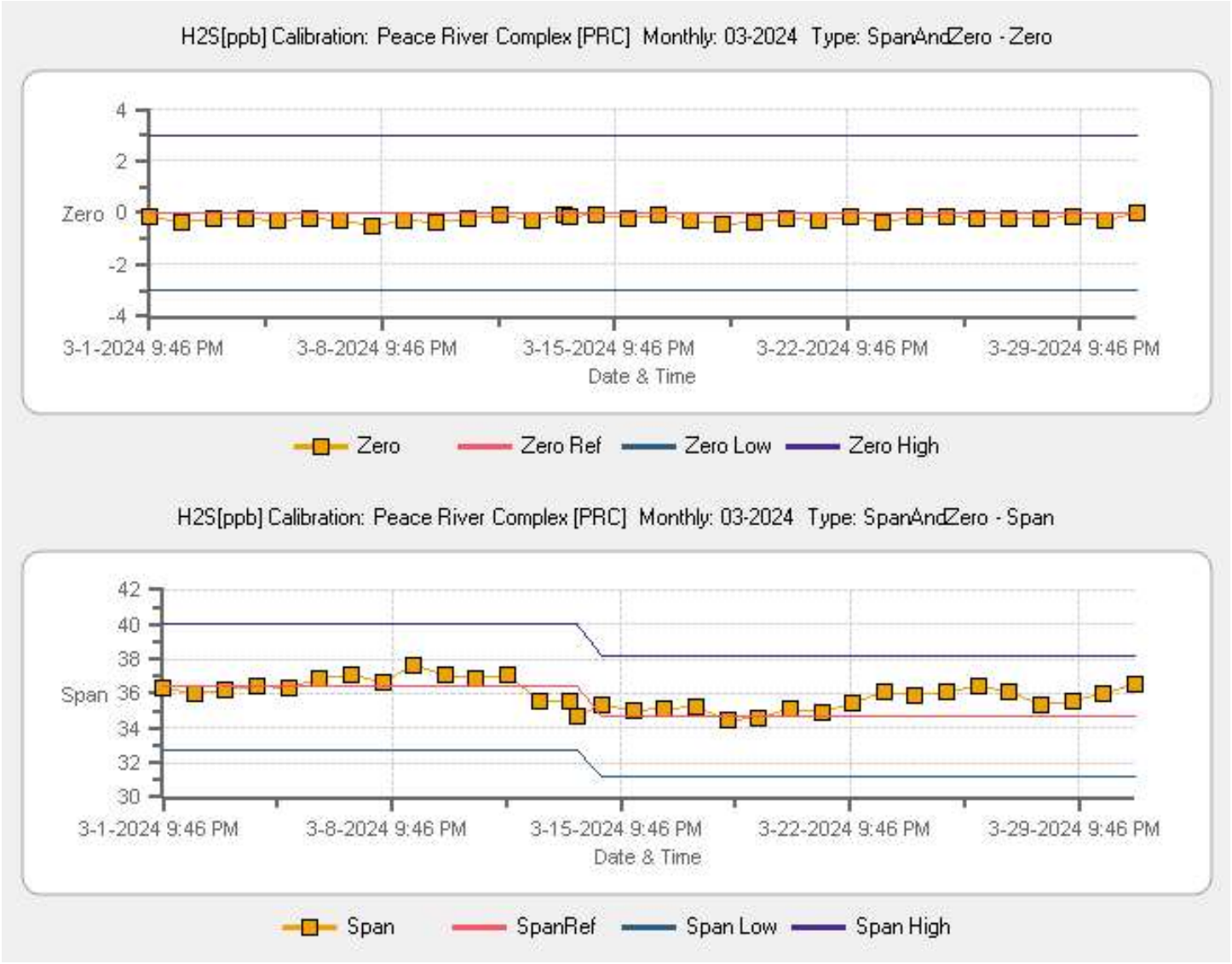
Operation and Maintenance:
Bureau Veritas Canada

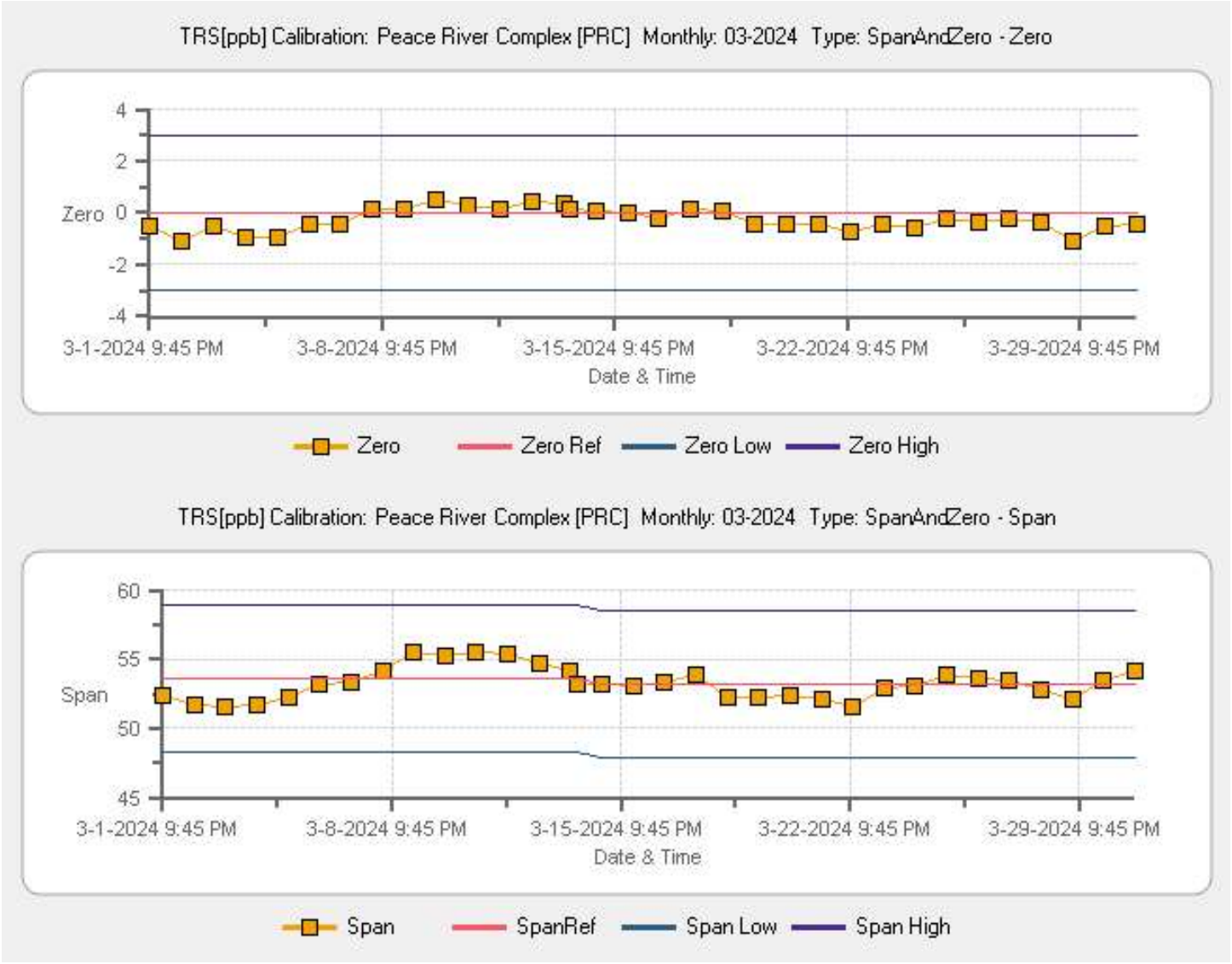
Data Validation and Report:
Bureau Veritas Canada

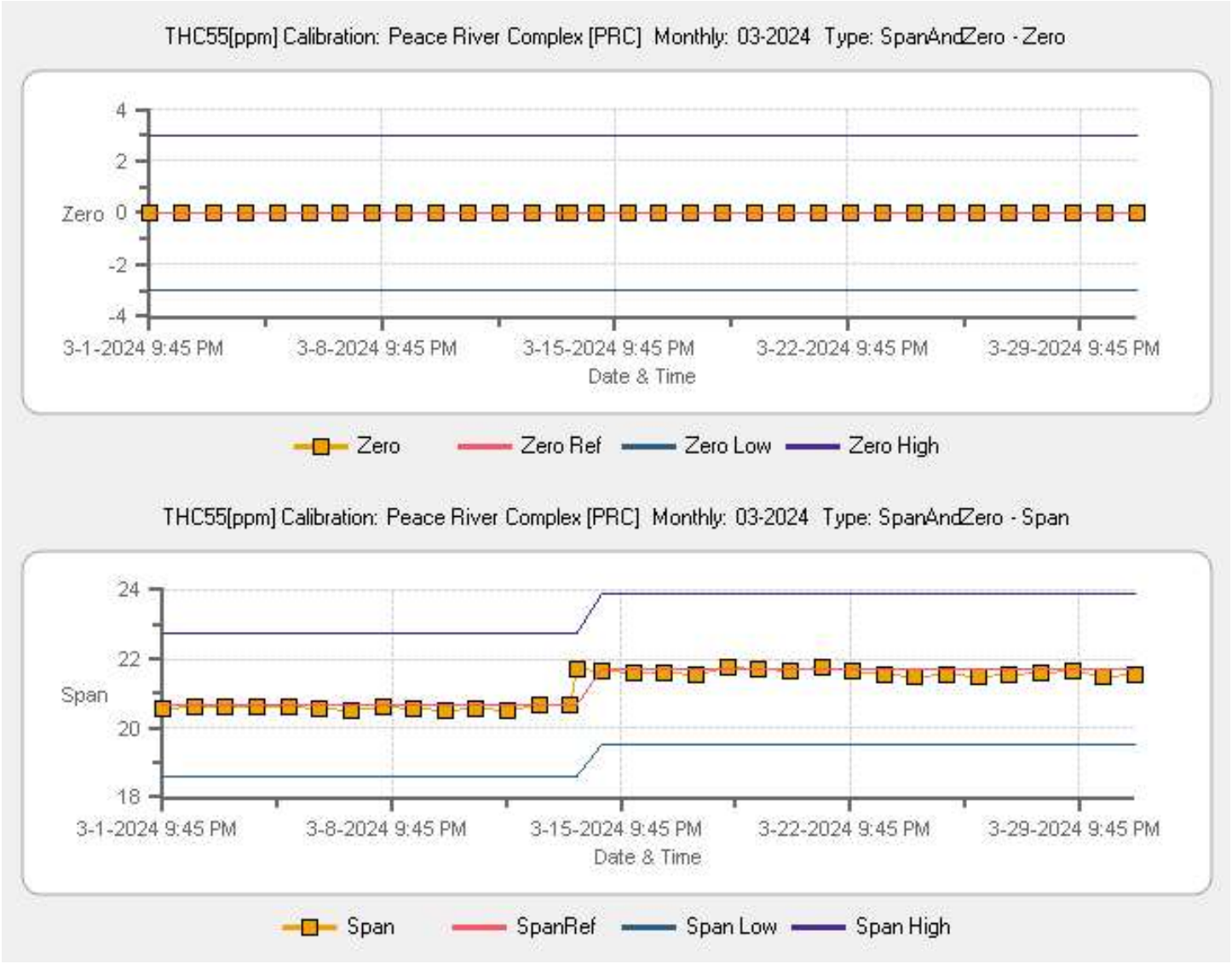
April 5, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

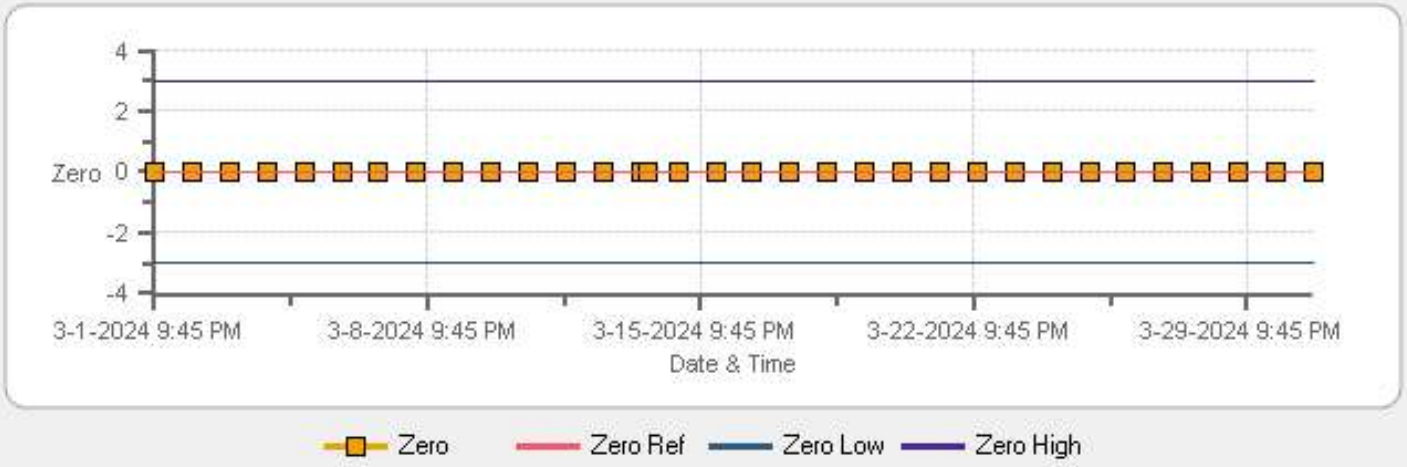

SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Span
300
290
280
Span 270
260
250
240
230
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Span
SpanRef
Span Low
Span High


H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 9:46 PM
3-8-2024 9:46 PM
3-15-2024 9:46 PM
3-22-2024 9:46 PM
3-29-2024 9:46 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Span
42
40
38
Span 36
34
32
30
3-1-2024 9:46 PM
3-8-2024 9:46 PM
3-15-2024 9:46 PM
3-22-2024 9:46 PM
3-29-2024 9:46 PM
Date & Time
Span
SpanRef
Span Low
Span High

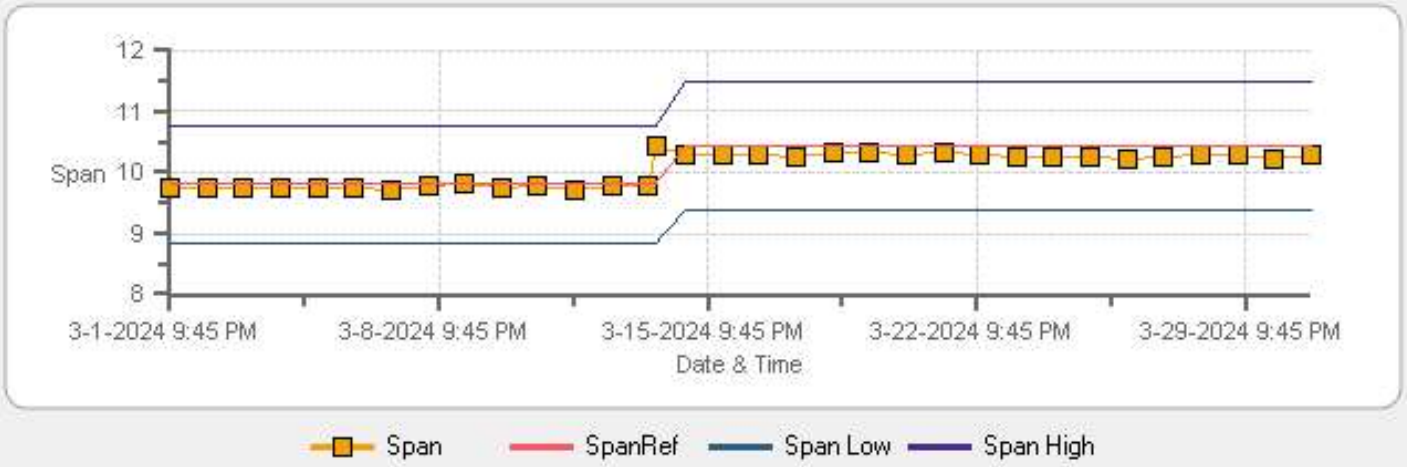

TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Span
60
55
Span
50
45
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Span
SpanRef
Span Low
Span High


THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Span
24
22
Span
20
18
3-1-2024 9:45 PM
3-8-2024 9:45 PM
3-15-2024 9:45 PM
3-22-2024 9:45 PM
3-29-2024 9:45 PM
Date & Time
Span
SpanRef
Span Low
Span High

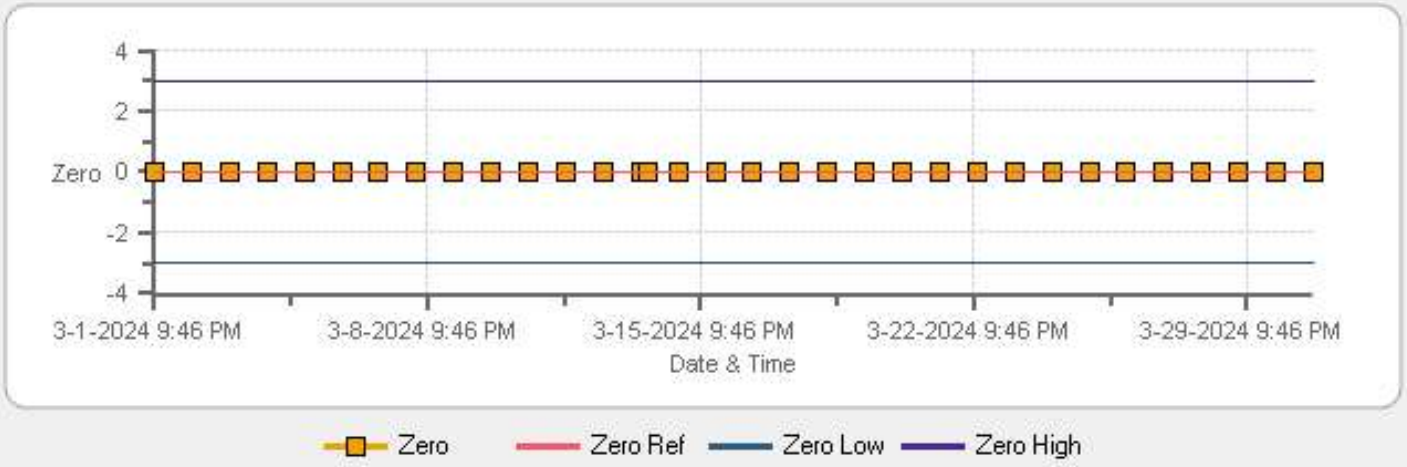
CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Zero



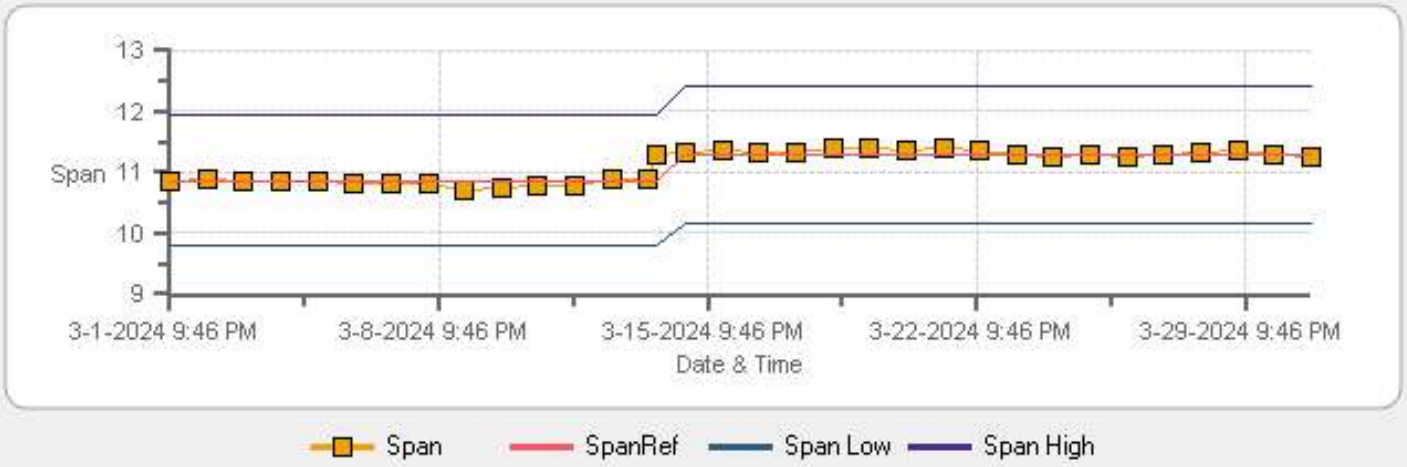
CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 03-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	14-Mar-2024	PREVIOUS CALIBRATION DATE:	13-Feb-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	09:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:15

ANALYZER:

MAKE/MODEL	Thermo 43i	RANGE	500 ppb
SERIAL #	1034746225	FLOW (mL/min)	440
INITIAL		FINAL	
BKG/OFFSET	19.9	BKG/OFFSET	20.7
COEF/SLOPE	1.147	COEF/SLOPE	1.159
Expected (reference) Value	262.5	Expected (reference) Value	264.8

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	133
MFC CALIBRATION DATE:	11-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	1400	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	0.3	0		
3939	60.80	4000	380.00	377	379.1	1.009	1.002
3970	28.80	3999	180.05	n/a	179.5	n/a	1.003
3985	14.40	3999	90.02	n/a	89.5	n/a	1.006

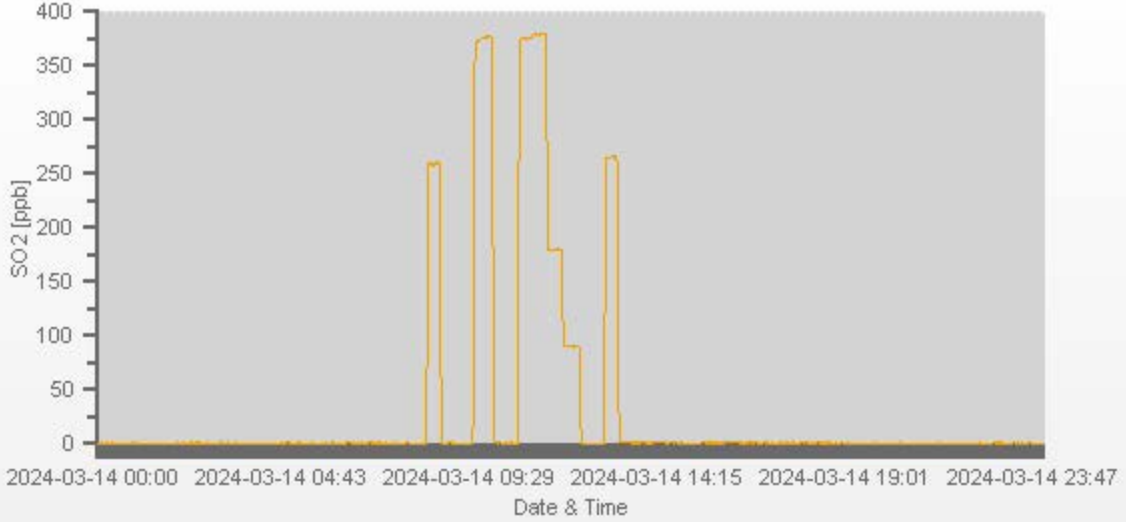
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.0%

COMMENTS:

Sample filter changed.

SO2[ppb] Station: Peace River Complex [PRC] Daily: 2024-03-14 Type: AVG 1 Min. [1 Min.]



H2S Analyzer Calibration by Dilution

DATE:	14-Mar-2024	PREVIOUS CALIBRATION DATE:	13-Feb-2024
PARAMETER:	H2S	PREVIOUS CORRECTION FACTOR:	1.002
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	09:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:14

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1308857354	FLOW (mL/min)	936
INITIAL		FINAL	
BKG/OFFSET	16	BKG/OFFSET	15.9
COEF/SLOPE	1.088	COEF/SLOPE	1.074
Expected (reference) Value	36.4	Expected (reference) Value	34.7

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	133
MFC CALIBRATION DATE:	11-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1600	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

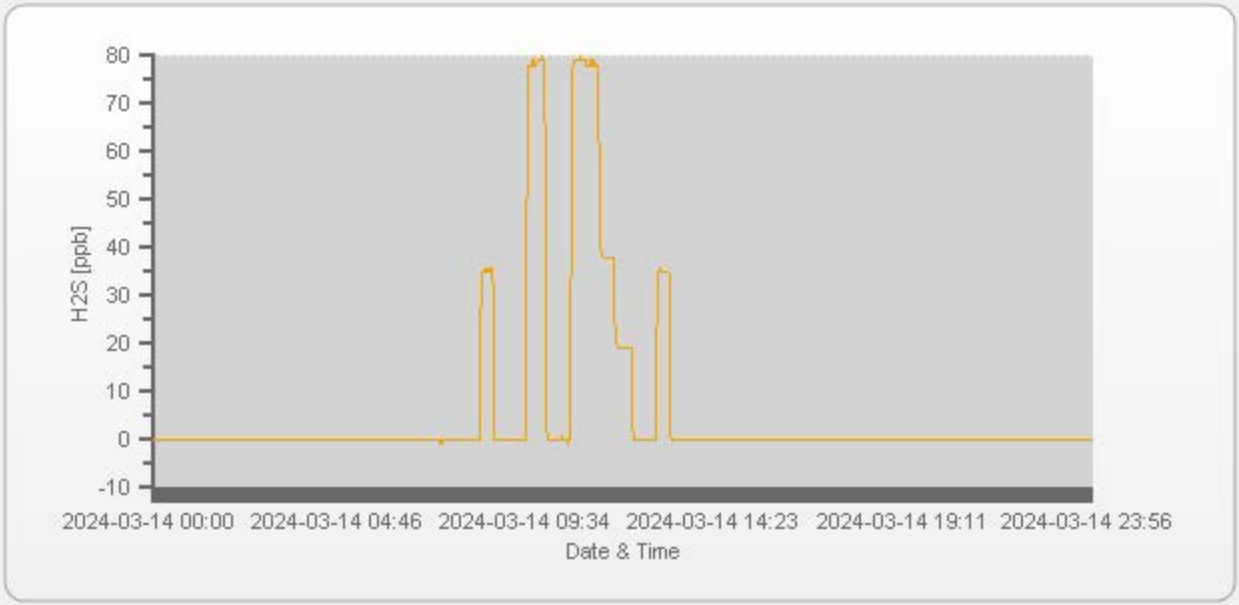
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.2	0		
3969	30.90	4000	77.95	79.1	78.5	0.983	0.993
3984	15.10	3999	38.10	n/a	38	n/a	1.003
3992	7.50	3999	18.92	n/a	18.8	n/a	1.007

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.008	-0.2%

COMMENTS:

Sample filter changed


H2S[ppb] Station: Peace River Complex [PRC] Daily: 2024-03-14 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
-10
H2S [ppb]
2024-03-14 00:00
2024-03-14 04:46
2024-03-14 09:34
2024-03-14 14:23
2024-03-14 19:11
2024-03-14 23:56
Date & Time
H2S [ppb]

TRS Analyzer Calibration by Dilution

DATE:	14-Mar-2024	PREVIOUS CALIBRATION DATE:	13-Feb-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.994
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	09:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:14

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1034746224	FLOW (mL/min)	698
INITIAL		FINAL	
BKG/OFFSET	28.7	BKG/OFFSET	29
COEF/SLOPE	1.095	COEF/SLOPE	1.079
Expected (reference) Value	53.61	Expected (reference) Value	53.18

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	133
MFC CALIBRATION DATE:	11-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1600	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	0.45	0		
3969	30.90	4000	77.95	78.83	77.57	0.994	1.005
3984	15.10	3999	38.10	n/a	37.89	n/a	1.006
3992	7.50	3999	18.92	n/a	18.94	n/a	0.999

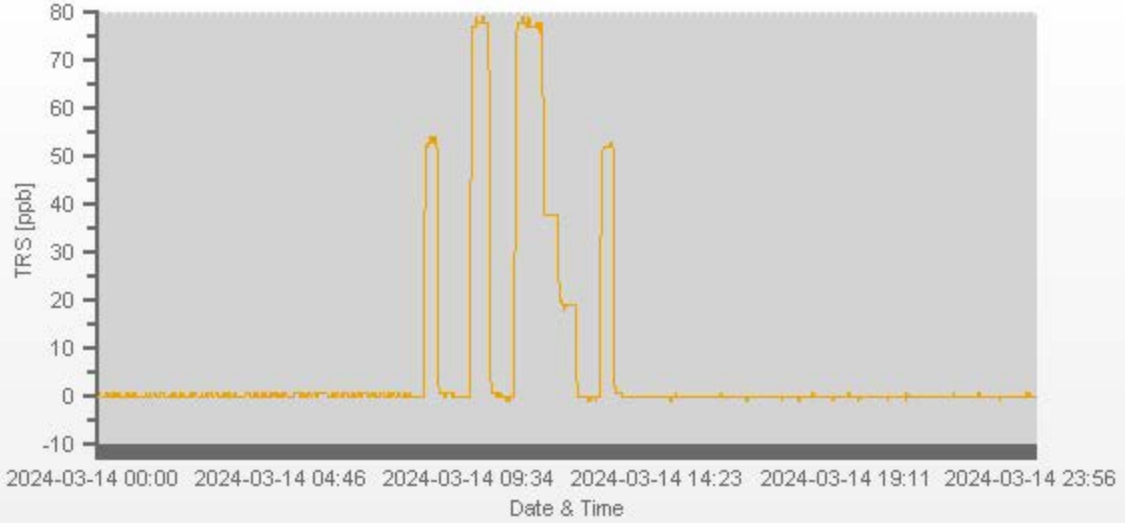
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.995	0.0%

COMMENTS:

TRS Converter CDNOVA CDN-101 #516

TRS[ppb] Station: Peace River Complex [PRC] Daily: 2024-03-14 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	14-Mar-2024	PREVIOUS CALIBRATION DATE:	13-Feb-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	09:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:15

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1034745845	1140
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.999	1.002	1.000

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	133	CYLINDER (psi):	1300		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.80	10.87	20.67		10.44	11.28	21.71

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3094		3094	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3048	50.30	3098	14.56	13.44	28.00	14.37	13.29	27.66	14.60	13.47	28.06	1.013	1.011	1.012	0.998	0.998	0.998
3075	25.10	3100	7.26	6.70	13.96	n/a	n/a	n/a	7.29	6.71	13.99	n/a	n/a	n/a	0.996	0.999	0.998
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.65	3.38	7.02	n/a	n/a	n/a	1.000	0.996	0.999

LINEAR REGRESSION ANALYSIS:

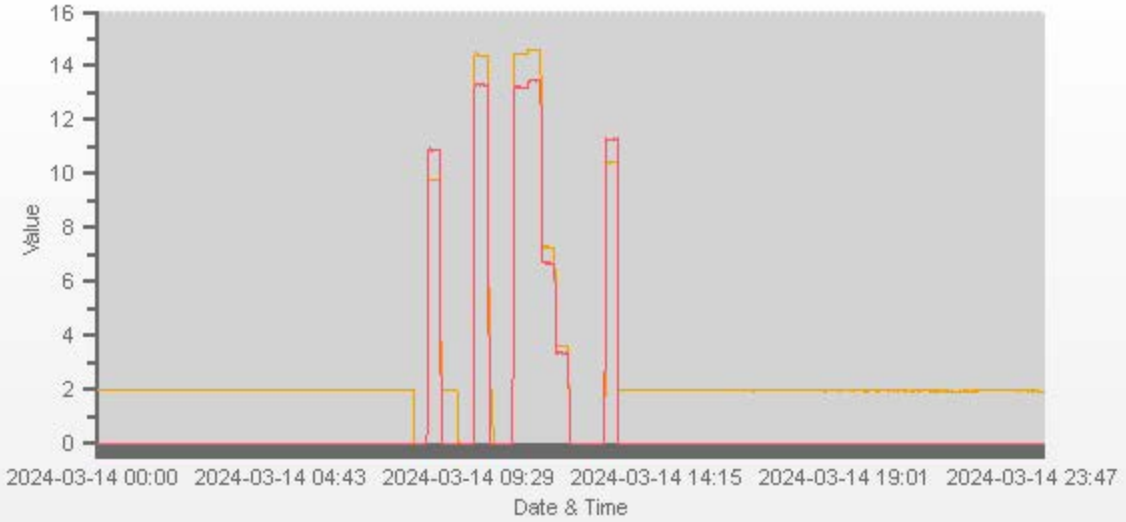
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.003	0.0%
NMHC	1.000	1.002	0.0%
THC	1.000	1.002	0.0%

Comments:

Filter Change - No Issues
H2 = AMA HG300 #211067076

Use Zero Chrom? **No**

Station: Peace River Complex [PRC] Daily: 2024-03-14 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	March 14, 2024		
Technician:	Kevin Sebastian		
Station:	Peace River Compliance		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 16325
Temperature Sensor:	Rotronic	HC2-S3	20558318
Barometric Pressure Sensor:	MetOne	092	B19577
Relative Humidity Sensor:	Rotronic	HC2-S3	20558318
Anemometer:	RM Young	05305VK	129612
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	February 13, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Temperature (^{o}C):	7.4		
Station - Ambient Temperature (^{o}C):	7.1		
Temperature Difference (^{o}C):	0.3		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	February 13, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024		
Reference Pressure - Units/Reading:	millibar	941	
Station Pressure - Units/Reading:	millibar	943	
Pressure Tolerance +/- 15% of error:	800 - 1082	-0.21%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	February 13, 2024		
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	60.80		
Station Hygrometer % RH- Reading:	59.00		
RH Tolerance +/- 15% of difference:	51.68 - 69.92	3.0%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:		Previous check date:	
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	S
Wind speed on Data Logger (kph):	19.6	Wind Direction on Data Logger:	S
		Wind Direction Pass/Fail?:	Pass

Comments

No issues.

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	PRC Compliance	**Reviewed By:**	Limin Li
Audit Date:	August 3, 2023	**Start/End Time (mst):**	10:40 / 11:32
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly cloudy with drizzle

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	0-1
Sensor Model:	05305VK	**Velocity Unit Output Range:**	0-200
Serial #:	129612	**Direction Voltage Output Range:**	0-1
Previous Cal/Audit Date:	August 17, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.1	0.1	-
1000	18.4	18.6	18.5	0.994
2000	36.9	37.1	37.0	0.995
3000	55.3	55.5	55.4	0.997
4000	73.7	74.0	73.8	0.998
5000	92.2	92.5	92.4	0.997
6000	110.6	111.0	111.0	0.996
7000	129.0	129.6	129.6	0.995
8000	147.4	148.0	148.3	0.995
9000	165.9	166.7	166.6	0.995
10000	184.3	185.3	185.3	0.995
		The audit meets AMD requirements.	**Average Correction Factor=**	**0.996**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	0	352	0.0	3.0	1.5
30	330	31	328	-1.0	2.0	1.5
60	300	59	298	1.0	2.0	1.5
90	270	90	270	0.0	0.0	0.0
120	240	120	240	0.0	0.0	0.0
150	210	151	210	-1.0	0.0	0.5
180	180	180	180	0.0	0.0	0.0
210	150	211	150	-1.0	0.0	0.5
240	120	241	120	-1.0	0.0	0.5
270	90	271	91	-1.0	-1.0	1.0
300	60	299	59	1.0	1.0	1.0
330	30	328	29	2.0	1.0	1.5
355	0	353	1	2.0	1.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**0.8**

Comments:

Declination = 15 deg East
Physical inspection completed, bearings replaced

END OF REPORT

List of SOPs

MONITOR	SOP
SULPHUR DIOXIDE (SO_2)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
HYDROGEN SULPHIDE (H_2S)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
TOTAL REDUCED SULPHUR (TRS)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
TOTAL HYDROCARBONS (THC), METHANE (CH4), NON-METHANE(NMHC)	Bureau Veritas EMS SOP-00001: Methane, Non-Methane Hydrocarbon Analyzer Monitoring
OXIDES OF NITROGEN (NOx), NITRIC OXIDE (NO) & NITROGEN DIOXIDE (NO_2)	Bureau Veritas EMS SOP-00213: Ambient NO/NO_2/NOx Monitoring
OZONE (O3)	Bureau Veritas EMS SOP-00212: Ambient O3 Monitoring
PARTICULATE MATTER < 2.5 MICRONS ($PM_{2.5}$)	Bureau Veritas EMS SOP-00015: Teledyne API PM Monitor Model T640
WIND SPEED (WS) & WIND DIRECTION (WD)	Bureau Veritas EMS SOP-00013: RM Young Wind Monitor Calibration

Peace River Area Monitoring Program

MARCH 2024

Monthly Ambient Air Quality Monitoring Integrated Sampling Report

PRAMP-202403-INTEGRATED

April 18, 2024

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Peace River Area Monitoring Program
Suite 91, 305 – 4625 Varity Drive NW
Calgary, AB, T3A 0Z9
Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca
www.prampairshed.ca

April 18, 2024

Alberta Environment and Protected Areas (EPA)
11th Floor, Oxbridge Place
9820 106 Street
Edmonton, AB, T5K 2J6

RE: PRAMP –March 2024 Monthly Ambient Air Quality Monitoring Integrated Sampling Report

Enclosed is the March 2024 Monthly Ambient Air Quality Monitoring Integrated Sampling Report for the Peace River Area Monitoring Program's (PRAMP) regional air quality monitoring network. This report summarizes monitoring data for samples collected using integrated methods, including volatile organic compounds (NMHC canister sampling program), hydrogen sulphide, and sulphur dioxide (passive sampling program).

The representative of the Person Responsible for this monitoring program is

PRAMP Airshed
Michael Bisaga / Lily Lin, Technical Program Managers
Suite 91, 305 – 4625 Varsity Drive NW
Calgary, AB, T3A 0Z9
Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca

This report has been prepared, reviewed and submitted by Michael Bisaga & Lily Lin of the PRAMP Airshed. This report is also submitted on behalf of the industrial member companies to satisfy the requirements of the facility Operating Approvals.

NETWORK STATION SUMMARY

Listing of Integrated Sampling Stations

- 986-C Station
- 842-B Station
- Reno-B Station
- Peace River Complex (PRC) Station

Station Name	986-C	842-B	Reno-B	PRC
Station ID	1562	1561	1563	1698
Coordinates	56.36980, -116.92500	56.27406, -116.98129	55.86936, -117.05739	56.38257, -116.769283
NMHC Canister (VOCs)	√	√	√	
Passives: 2-Month exposure (PACs)	√			
Passives: 1-Month Exposure (H_2S, SO_2)				√

Listing of Passives: 1-Month Exposure Sampling Sites

Site ID	Latitude	Longitude
1	56.377841	-116.787142
2	56.378638	-116.780496
3	56.382958	-116.783813
4	56.377044	-116.794220
7	56.384796	-116.780488
8	56.388710	-116.771234
9	56.388943	-116.756205
10	56.388642	-116.797817
11	56.383771	-116.841165
12	56.388962	-116.885263
13	56.390972	-116.822083
14	56.424825	-116.853181

List of Contractors who performed the air monitoring activities

Sampling Program	Monitoring Activities Conducted By	Sample Analysis Conducted By	Data/Report Prepared By	Electronic Submission Conducted By
NMHC Canister (VOCs)	Bureau Veritas	InnoTech Alberta Inc	PRAMP	PRAMP
Passives: PACs	PRAMP	ECCC	AEP	AEP
Passives: H_2S, SO_2	PRAMP	Bureau Veritas	PRAMP	PRAMP

Monitoring Notes during the Month of March 2024

- **NMHC Canister Sampling Program - Volatile Organic Compounds (VOCs)**
  - The canister sampling program collects a 1-hour sample of air when the continuously measured non-methane hydrocarbon (NMHC) concentration reaches a specified trigger point. The current trigger point is 0.3 ppm for non-methane hydrocarbons. The trigger point is based on real-time monitoring data that are averaged over a 5-minute period.
  - No canister events were recorded in March.

- **Passive Polycyclic Aromatic Compounds (PACs) Sampling Program**
  - The PAC sampling program began in November 2019, and is designed to collect a 2-month integrated sample.
  - The sample media for sampling period of March and April were installed on February 29. They are scheduled to be removed by the end of April.

- **Passives H_2S and SO_2 Sampling Program**
  - There were no exceedances of the AAAQOs for all monitored parameters at any of the passive stations during this month.
  - The passive sample filters were installed at the stations on March 1 and were removed on April 1.

Revisions to Alberta's Ambient Air Quality Data Warehouse

No revisions to historical data previously submitted to the Alberta's Ambient Air Quality Data Warehouse were made this month.

Deviations from Authorized Monitoring Methods

There were no deviations from authorized monitoring methods.

Certification

The report was prepared and submitted by Lily Lin in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

Lily Lin, Technical Program Manager, PRAMP Airshed

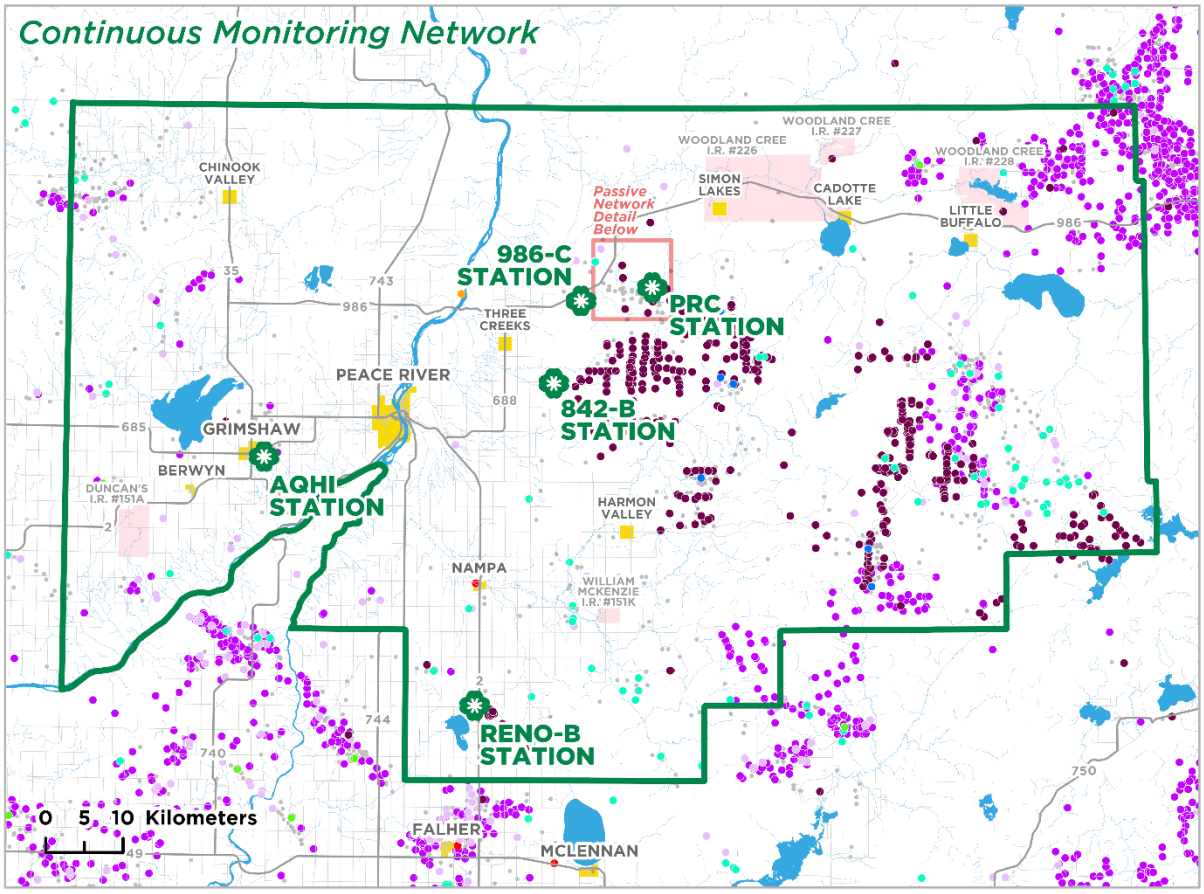
The report was reviewed by Mike Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

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. I also certify that at the time of this report's submission, all air data have been electronically uploaded to Alberta ETS as required by the AMD.

Michael Bisaga, Technical Program Manager, PRAMP Airshed

April 18, 2024

Map of PRAMP Continuous Monitoring and Integrated Sampling Network

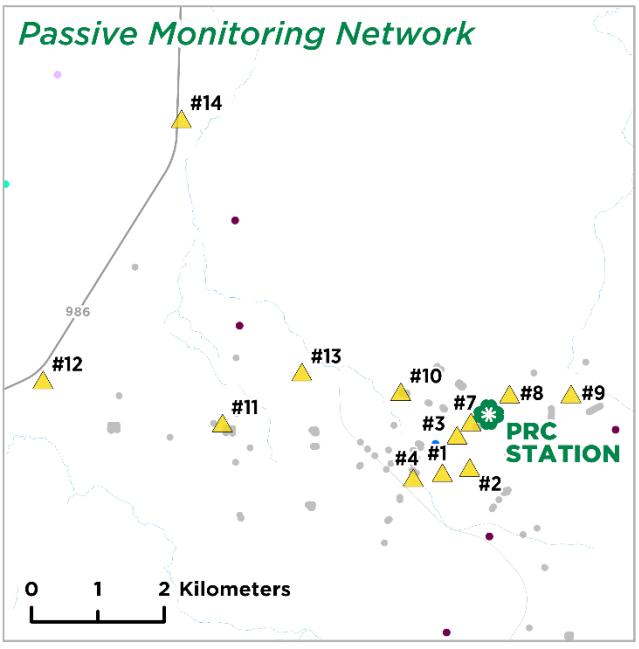


Legend

- PRAMP Boundary
- Populated Place
- First Nation
- Continuous Monitoring Station
- Passive Monitoring Station

Industrial Facilities

- In-Situ Oil Sands
- Heavy Oil/Bitumen Well or Battery
- Conventional Oil Well or Battery
- Natural Gas Well or Battery
- Gas Plant or Gas Processing
- Compressor Station or Pipeline
- Agricultural Storage and Transfer
- Pulp and Paper
- Well (Not Associated with Batteries)



Service Layer Credits: Esri, CGIAR, USGS, Esri, USGS

INTEGRATED SAMPLING RESULTS SUMMARY

- **NMHC analytical results**

  No canister events were recorded in March.

- **Passive analytical results**

	H_2S		SO_2	
Minimum (ppb)	0.05	#9	0.2	#11
Maximum (ppb)	0.21	#14	0.4	#3
Average (ppb)	0.09	-	0.31	-

ANALYTICAL SAMPLING RESULTS

Passives

peace river area monitoring program pramp

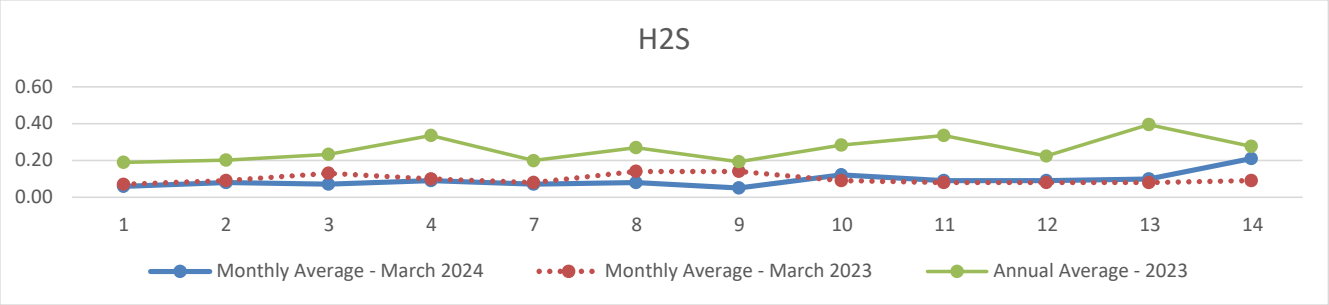
PEACE RIVER AREA MONITORING PROGRAM

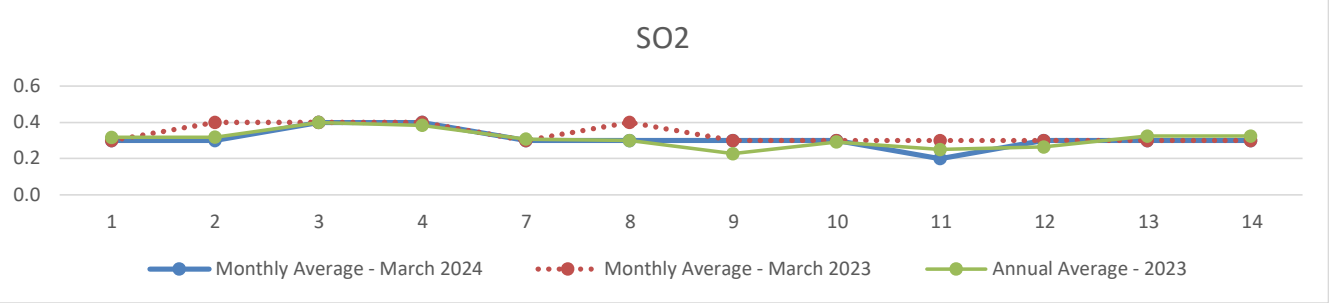
PRC Site - March 2024

Passive Results

	H_2S		SO_2	
Minimum (ppb)	0.05	#9	0.2	#11
Maximum (ppb)	0.21	#14	0.4	#3
Average (ppb)	0.09	-	0.31	-

No.	Calculated Value	Calculated Value
1	0.06	0.3
2	0.08	0.3
3	0.07	0.4
4	0.09	0.4
7	0.07	0.3
8	0.08	0.3
9	0.05	0.3
10	0.12	0.3
11	0.09	0.2
12	0.09	0.3
13	0.10	0.3
14	0.21	0.3
Reportable Detection Limit (RDL)	**0.02**	**0.1**





End of Report

Peace River Area Monitoring Program

MARCH 2024

Ambient Air Monitoring

Certified Laboratory Analysis Report

LAB-PRAMP-202403

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

April 5, 2024

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Passive Sampling Analytical Results

6744 - 50 St. Edmonton AB Canada T6B 3M9

Ph (780) 378-8500, Toll free (800) 386-7247, Fax (780) 378-8699

Bureau Veritas Job Number:

PASSIVE AIR CHAIN OF CUSTODY

Invoice To	Report To	Service Requested	Company Name
Company Name	Name & Email Address	☐ RUSH (Please contact for TAT)	Peace River
Contact Name		☐ REGULAR	Project Name/LSD
Address			Peace River
City/Postal Code			
Phone/Fax#			

ANALYTICAL INFORMATION

Analysis Required

Sample ID or Location (LSD)	Sample Start Date (DD/MM/YY)	Time (24 hrs) (HH:MM)	Sample End Date (DD/MM/YY)	Time (HH:MM)	Volume (m3) PM/TSP Only	SO2	H2S	NO2	O3	NH3	PM2.5	PM10	TSP	Dustfall				
1	01/03/24	1:00 pm	01/04/24	7:00 am		X	X											
2						X	X											
3						X	X											
4						X	X											
7						X	X											
8						X	X											
9						X	X											
10						X	X											
11						X	X											
12						X	X											
13						X	X											
14				9:30		X	X											
Blank						X	X											
Blank						X	X											
		3092																

Notes/Comments: Client 12521 / Scenario 18009

Sampled By Bo Guerin Phone/Email ___ Received By Bo Guerin Date/Time 04/01/24 Project # 14502 14465

Date Shipped April 1 - 24 Signature ___ PO# AR 24-04-03 08100

Your Project #: 2024/03/01-2024/04/01
Site Location: PEACE RIVER COMPLEX

Attention: Michael and Lily

Peace River Area Monitoring Program Committee
Three Creeks
Suite 91, 305 –
4625 Varsity Drive NW
Calgary, AB
CANADA T3A0Z9

Report Date: 2024/04/15
Report #: R3487584
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C423218
Received: 2024/04/03, 08:00

Sample Matrix: Air
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
H2S Passive Analysis	12	2024/04/04	2024/04/12	PTC SOP-00150	Passive H2S in ATM
SO2 Passive Analysis	12	2024/04/08	2024/04/12	PTC SOP-00149	Passive SO2 in ATM

This report shall not be reproduced except in full, without the written approval of the laboratory.
Results relate only to the items tested.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Rowena Geron
Customer Service Associate
15 Apr 2024 08:36:16

Please direct all questions regarding this Certificate of Analysis to:
Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500

==========

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Bureau Veritas Edmonton: 6744 - 50th Street, T6B 3N7 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C423218
Report Date: 2024/04/15

Peace River Area Monitoring Program Committee
Client Project #: 2024/03/01-2024/04/01
Site Location: PEACE RIVER COMPLEX

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		CLQ281	CLQ282	CLQ283	CLQ284	CLQ285	CLQ286	CLQ287		
Sampling Date		2024/03/01 13:00	2024/03/01 13:00	2024/03/01 13:00	2024/03/01 13:00	2024/03/01 13:00	2024/03/01 13:00	2024/03/01 13:00		
	UNITS	1	2	3	4	7	8	9	RDL	QC Batch
Passive Monitoring										
Calculated H2S	ppb	0.06	0.08	0.07	0.09	0.07	0.08	0.05	0.02	B331253
Calculated SO2	ppb	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.1	B333387
RDL = Reportable Detection Limit										

Bureau Veritas ID		CLQ288	CLQ289	CLQ290	CLQ291	CLQ292		
Sampling Date		2024/03/01 13:00	2024/03/01 13:00	2024/03/01 13:00	2024/03/01 13:00	2024/03/01 13:00		
	UNITS	10	11	12	13	14	RDL	QC Batch
Passive Monitoring								
Calculated H2S	ppb	0.12	0.09	0.09	0.10	0.21	0.02	B331253
Calculated SO2	ppb	0.3	0.2	0.3	0.3	0.3	0.1	B333387
RDL = Reportable Detection Limit								

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3W3 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Travel blank result for H2 exceeded acceptance criteria of >RDL. Possible contamination may have occurred. Sample results have been blank subtracted. 2024/04/12 SDK

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B331253	YYA	Spiked Blank	Calculated H2S			101	%	90 - 110
B333387	S1T	Spiked Blank	Calculated SO2			100	%	90 - 110
B333387	S1T	Method Blank	Calculated SO2		<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Steven Gloux, Senior Analyst

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Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

End of Report