



Peace River Area Monitoring Program

JUNE 2024

Monthly Ambient Air Quality Monitoring Report

PRAMP-202406

Operation and Maintenance:

Bureau Veritas Canada

Data Validation and Report:

Peace River Area Monitoring Program

July 22, 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
CH ₄	Methane
EPEA	Environmental Protection and Enhancement Act
H ₂ S	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
SO ₂	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



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July 22, 2024

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

Enclosed is the June 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
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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 June 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 Operations Notes during the Month of June 2024

AEPA Station Audit

- AEPA conducted audits of the PRAMP Airshed network between June 17 and June 19. All stations were found to be met all audit criteria for SO₂, TRS, THC/CH₄/NMHC, NO_x/NO/NO₂, O₃, PM_{2.5} and wind monitoring.
- 842-B station, Reno-B station and PRC station: AEPA tolerances were not met for either the ambient temperature sensor, station temperature sensor and /or relative humidity sensor. This is an opportunity for improvement. PRAMP has ordered a spare temperature/relative humidity gauge. This new factory-calibrated probe will replace the unit at one of the PRAMP stations, allowing PRAMP to send the existing probe at the station back to the manufacturer for calibration. The probe will then be used as a rotating spare in the network. The goal is to have all existing probes sent back to the manufacturer for calibration by Q3 2024 (December 31, 2024).
- 986-C Station: The sample manifold was found dirty during the June 18 AEPA station audit. The sample manifold was cleaned during the site visit on July 18.

986-C Station

- AEPA station audit was conducted on June 18.

842-B Station

- AEPA station audit was conducted on June 17.
- **Precipitation:** The precipitation gauge system was found not tipping during the June 17 AEPA station audit. A site visit on July 9 revealed debris (mostly avian droppings) covered the base of the collection funnel of the tipping bucket. On July 9, the funnel and the bucket assembly were cleaned, the tipping bucket was leveled, and a successful system verification was completed. After reviewing and comparing data with those from collected at the 986-C station and Reno-B station, it was determined that the issue had a moderate impact on data collection. However, the decision was made to keep data for two reasons: 1) the precipitation gauge registered major rainfall events detected at other PRAMP stations on June 14-15 and June 23-24, and 2) the equipment was installed at the request of local farmers for agricultural purposes and the monitoring data are not submitted to the Alberta ETS data warehouse for compliance purposes. However, as errors have been identified, data collection between the last system verification on June 6 and July 9 should be used with caution.

Reno-B Station

- AEPA station audit was conducted on June 17.

PRC Station

- AEPA station audit was conducted on June 18.
- **THC/CH₄/NMHC:** CNRL's Thermo 55i analyzer, s/n: 1034745845, failed on June 11. The analyzer was replaced by PRAMP's Thermo 55i analyzer, s/n: 1191032505, on June 12. The HC channels were brought back online after a successful installation calibration on June 12. Forty-one hours of downtime were recorded due to this event.

AQHI – Grimshaw Station

- AEPA station audit was conducted on June 19.

- **PM2.5:** The glass jar for the T640 PM2.5 unit was found to be broken and not connected to the T640 unit. While waiting for a replacement, the housing was temporarily covered with duct tape. The glass jar was intact during the May 7 verification check but was found broken during BV's routine site visit on June 11. The glass jar was replaced during the site visit in July. After reviewing the metadata (sample RH and heater operating rate (%)) collected between May 1 and June 26, it was determined that sample RH was maintained at approximately 35%, as required by the T640 standard operating procedure. The data quality was not compromised despite the missing jar concern, and therefore, data were considered valid.
- **NOx/NO/NO2:** The analyzer failed the initial AEPA audit on June 17 but passed the second audit. Both audit results showed unstable negative (low) responses. To address this audit finding, the analyzer was replaced to determine the root cause on July 10. As of the preparation of the audit response letter, the network operator has not yet determined the root cause for the noted audit findings. However, investigating this remains a priority, with a target for completion by Q2 2024 (September 30, 2024).

Exceedances of the AAAQOs and AAAQGs during the Month of June 2024

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) and Alberta Ambient Air Quality Guidelines (AAAQGs) where applicable.

Non-compliance Events during the Month of June 2024

- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.

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.
- No canister events were recorded this month.

Revisions to Alberta's Ambient Air Quality Data Warehouse

AQHI - Grimshaw Station: PM2.5 data collected from November 2019 to December 2022 were resubmitted on July 1, 2024. Alberta Airsheds received the T640 PM2.5 data adjustment request from AEPA in June 2024 by using the alignment factor calculation, see table below. AEPA provided the revised dataset to PRAMP on June 28. Revised data were reviewed and submitted by PRAMP TPMs on July 1, 2024. **ETS request #s for November - December 2019, January - December 2020, January - December 2021, January - December 2022 are 4695299, 4695300, 4695301 and 4695302, respectively.**

Criteria		Action on data
Ambient Temperature $\leq 20^{\circ}\text{C}$	PM2.5 concentration $\leq 10 \mu\text{g}/\text{m}^3$	Multiply by 0.813233
	PM2.5 concentration $> 10 \mu\text{g}/\text{m}^3$	Subtract $1.861 \mu\text{g}/\text{m}^3$
Ambient Temperature $> 20^{\circ}\text{C}$	PM2.5 concentration $\leq 5 \mu\text{g}/\text{m}^3$	Multiply by 0.813233
	PM2.5 concentration $> 5 \mu\text{g}/\text{m}^3$	Subtract $0.925 \mu\text{g}/\text{m}^3$

Deviations from Authorized Monitoring Methods

No deviations from authorized monitoring methods were recorded this month.

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

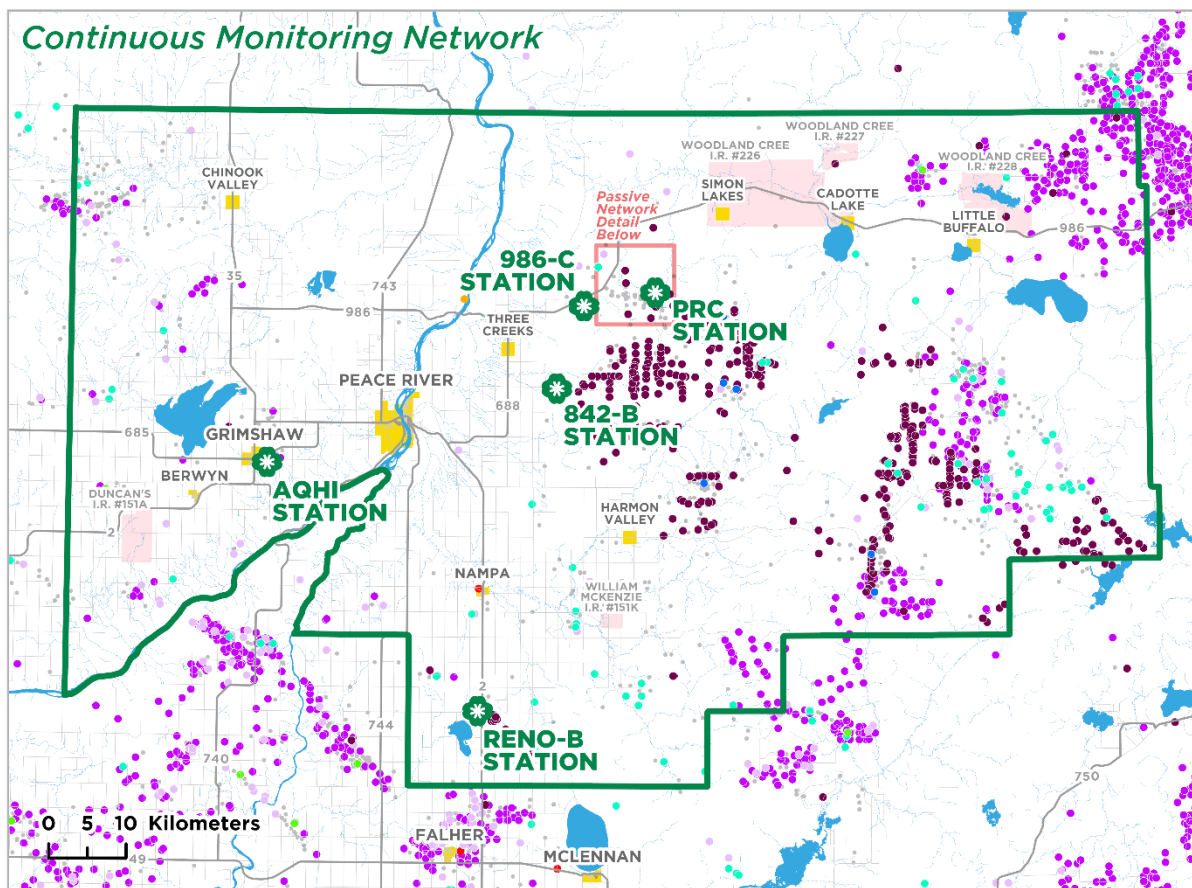
This report was reviewed by Michael Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

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



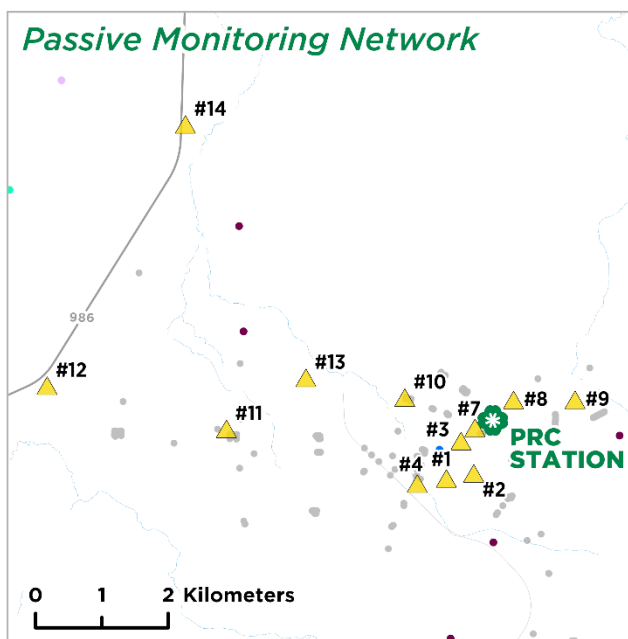
Legend

- 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 Credit: Esri, CGIAR, USGS, Esri, USGS



CONTINUOUS NETWORK EQUIPMENT AND MONITORING RESULTS SUMMARY

986 -C Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #1193585646	June 4, 2024	The analyzer failed the daily zero-span check on June 1 due to permeation tube depletion. The permeation tube was replaced on June 3. A repeat zero-span check was initiated after the tube replacement. The expected span value was adjusted after the June 4's monthly calibration. One hour of downtime was recorded due to this event.
TRS Thermo 43iQTL #1191833341 TRS convertor CD Nova CDN-101 #530 (BV-supplied)	June 4, 2024	No operational issues were identified this month.
THC/CH4/NMHC Thermo 55i #1022143392 H2 Generator HG300 #191267063 Zero Air Supply Teledyne T701 #468	June 4, 2024	No operational issues were identified this month.
Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20626912	June 4, 2024	No operational issues were identified this month.
BP MetOne 092 #Y23358	June 4, 2024	No operational issues were identified this month.

Parameter	Verification Date	Equipment Operational Summary
AT Rotronic HC2-S3 #20626912	June 4, 2024	No operational issues were identified this month.
ST COMET #18961918	June 4, 2024	No operational issues were identified this month.
Precipitation RM Young 52202 #TB 16325	June 4, 2024	No operational issues were identified this month.
WS/ WD RM Young 05305AQ #180340	June 4, 2024	- 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. - 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	0.0	0	1	Jun 4 at hr 14	13.6	ENE	0.2	Jun 6	99.9	94.6
TRS (ppb)	-	-	-	-	-	-	0.38	0.01	0.97	Jun 13 at hr 2	3.2	W	0.58	Jun 24	100.0	94.7
THC (ppm)	-	-	-	-	-	-	2.00	1.90	2.18	Jun 18 at hr 4	3.8	SE	2.04	Jun 10	100.0	94.7
CH4 (ppm)	-	-	-	-	-	-	2.00	1.90	2.18	Jun 18 at hr 4	3.8	SE	2.04	Jun 10	100.0	94.7
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Jun 1 at hr 0	2.2	WNW	0.00	Jun 1	100.0	94.7
RH (%)	-	-	-	-	-	-	70.3	22	100	Jun 1 at hr 4	1.3	SW	99.1	Jun 15	100.0	100.0
BP (millibar)	-	-	-	-	-	-	939	925	951	Jun 8 at hr 14	9.7	N	950	Jun 8	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	13.0	0.7	26.6	Jun 22 at hr 15	15.9	SSW	20.2	Jun 22	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	23.4	21.8	25.4	Jun 4 at hr 0	2.5	N	24.4	Jun 4	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	119.2	0.0	8.0	Jun 14 at hr 13	11.1	WSW	40.5	Jun 15	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	0.9	0.5	26.6	Jun 3 at hr 4	26.6	E	18.0	Jun 3	100.0	100.0
WDV (sector)	-	-	-	-	-	-	18 (NNE)	-	-	-	-	-	-	-	100.0	100.0

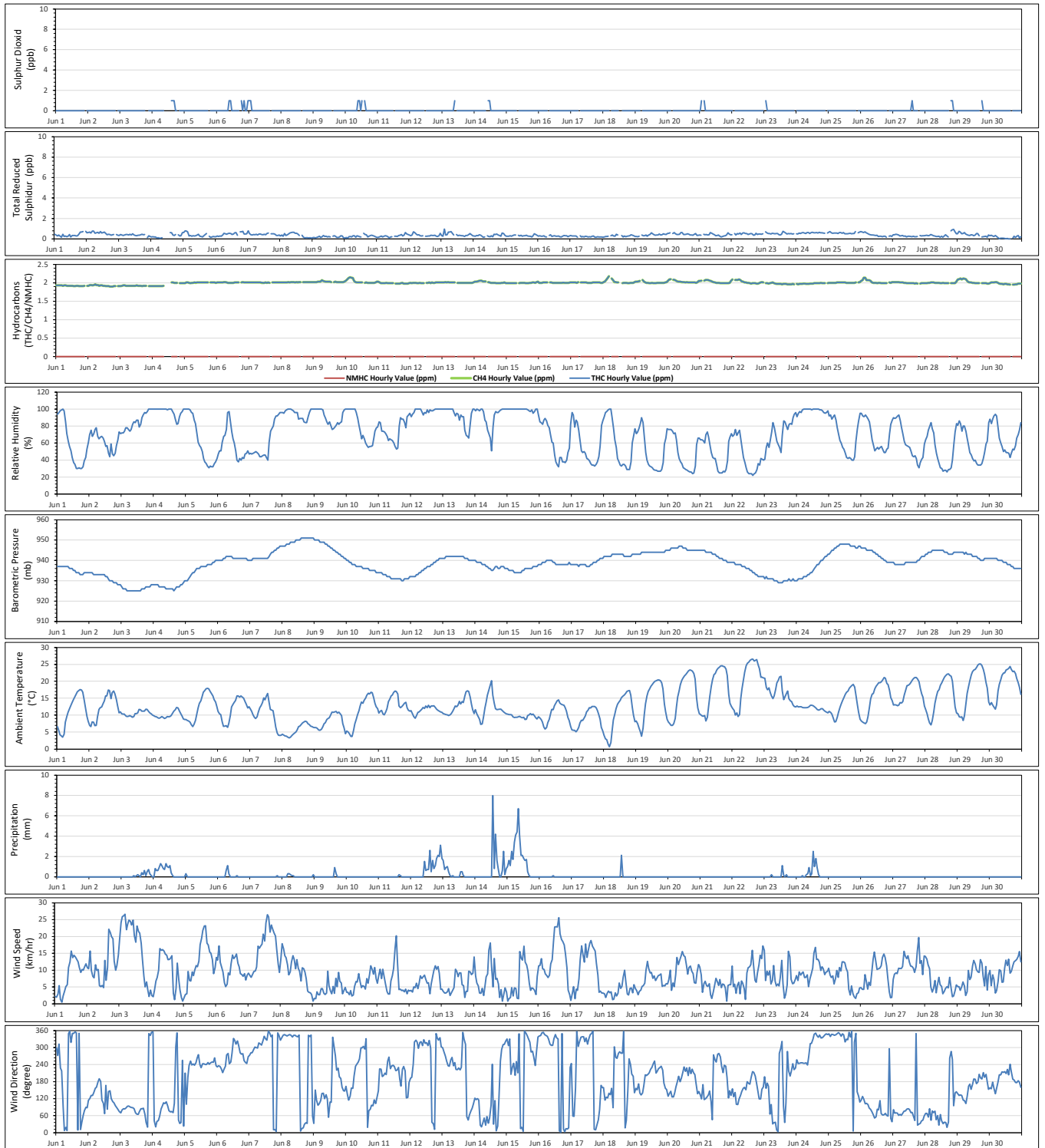
1- Date/ Time given is the first minimum and maximum value that was recorded

* 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 Jun 2024 - 986-C Station



842-B Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #1200736629	June 6, 2024	No operational issues were identified this month.
TRS Thermo 43iQTL #1200736630 TRS Convertor CD Nova CDN-101 #583	June 6, 2024	No operational issues were identified this month.
THC/CH4/NMHC Thermo 55i #1501663728 H2 Generator HG300 #190567058 Zero Air Supply Teledyne T701 #1087	June 16, 2024	- The monthly calibration was completed on June 6. - The analyzer showed a NMHC drift on June 14. A remote troubleshooting and a repeat multi-point calibration were conducted to correct the drift on June 16. Five hours of downtime were recorded.
Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20370767	June 6, 2024	No operational issues were identified this month.
AT Rotronic HC2-S3 #20370767	June 6, 2024	No operational issues were identified this month.
BP MetOne 092 #Y23362	June 6, 2024	No operational issues were identified this month.
ST COMET #20790297	June 6, 2024	No operational issues were identified this month.

Parameter	Verification Date	Equipment Operational Summary
Precipitation RM Young 52202 #TB 15878	June 6, 2024	The precipitation gauge system was found not tipping during the June 17 AEPA station audit. A site visit on July 9 revealed debris (mostly avian droppings) covered the base of the collection funnel of the tipping bucket. On July 9, the funnel and the bucket assembly were cleaned, the tipping bucket was leveled, and a successful system verification was completed. After reviewing and comparing data with those from collected at the 986-C station and Reno-B station, it was determined that the issue had a moderate impact on data collection. However, the decision was made to keep data for two reasons: 1) the precipitation gauge registered major rainfall events detected at other PRAMP stations on June 14-15 and June 23-24, and 2) the equipment was installed at the request of local farmers for agricultural purposes and the monitoring data are not submitted to the Alberta ETS data warehouse for compliance purposes. However, as errors have been identified, data collection between the last system verification on June 6 and July 9 should be used with caution.
WS/ WD RM Young 05305AQ #174802	June 6, 2024	- 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. - No operational issues were identified this month.

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	0.0	0	2	Jun 7 at hr 4	7.1	NW	0.3	Jun 7	100.0	94.6
TRS (ppb)	-	-	-	-	-	-	0.50	0.25	1.07	Jun 14 at hr 23	4.8	WNW	0.61	Jun 12	100.0	94.6
THC (ppm)	-	-	-	-	-	-	1.96	1.90	2.11	Jun 18 at hr 6	2.2	SE	1.98	Jun 10	99.3	93.9
CH4 (ppm)	-	-	-	-	-	-	1.96	1.90	2.11	Jun 18 at hr 6	2.2	SE	1.98	Jun 10	99.3	93.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Jun 1 at hr 0	0.8	SSW	0.00	Jun 1	99.3	93.9
RH (%)	-	-	-	-	-	-	71.1	22	99	Jun 1 at hr 0	0.8	SSW	99.0	Jun 15	100.0	100.0
BP (millibar)	-	-	-	-	-	-	938	924	950	Jun 8 at hr 14	6.7	NNW	949	Jun 8	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	13.7	1.5	27.7	Jun 29 at hr 14	9.1	S	21.6	Jun 22	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.5	21.3	24.1	Jun 11 at hr 7	6	SW	23.2	Jun 24	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	55.1	0.0	5.2	Jun 15 at hr 10	6.4	NW	33.9	Jun 15	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	1.7	0.1	23.8	Jun 5 at hr 13	23.8	WSW	14.7	Jun 5	100.0	100.0
WDV (sector)	-	-	-	-	-	-	282 (W)	-	-	-	-	-	-	-	100.0	100.0

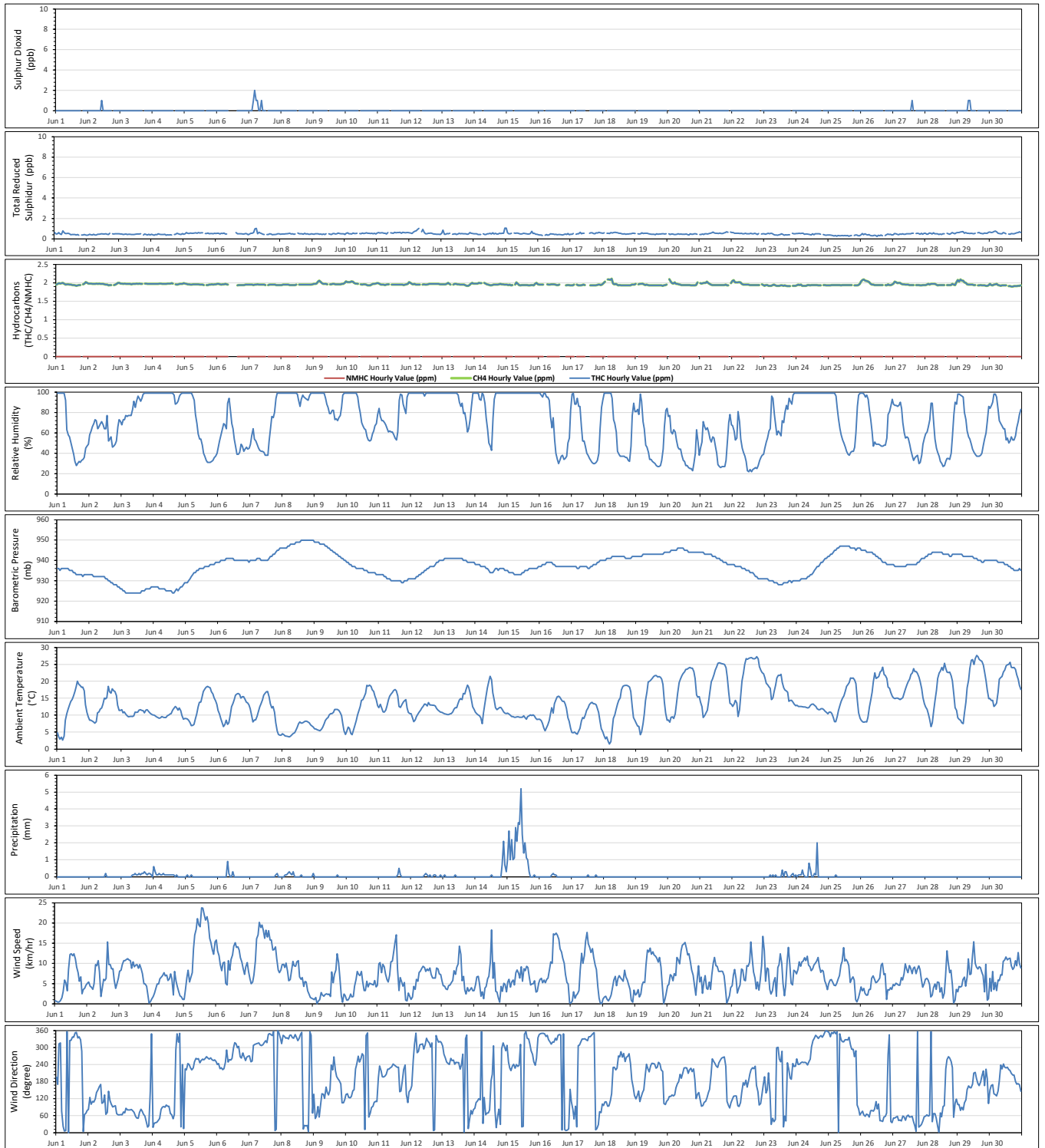
1- Date/ Time given is the first minimum and maximum value that was recorded

* 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 Jun 2024 - 842-B Station



Reno-B Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #12101910505	June 13, 2024	Two hours of data were lost due to Window update on June 13 hours 15-16.
TRS Thermo 43iQTL #12101910504 TRS Convertor CD Nova CDN-101 #590	June 13, 2024	Two hours of data were lost due to Window update on June 13 hours 15-16.
THC/CH4/NMHC Thermo 55i #1193585652 H2 Generator HG300 #210467069	June 13, 2024	Two hours of data were lost due to Window update on June 13 hours 15-16.
RH Rotronic HC2-S3 #20467597	June 13, 2024	Two hours of data were lost due to Window update on June 13 hours 15-16.
BP MetOne 092 #A17940	June 13, 2024	Two hours of data were lost due to Window update on June 13 hours 15-16.
AT Rotronic HC2-S3 #20467597	June 13, 2024	Two hours of data were lost due to Window update on June 13 hours 15-16.
ST COMET #NA	June 13, 2024	Two hours of data were lost due to Window update on June 13 hours 15-16.
Precipitation RM Young 52202 #TB 15877	June 13, 2024	Two hours of data were lost due to Window update on June 13 hours 15-16.

Parameter	Verification Date	Equipment Operational Summary
WS/ WD RM Young 05305AQ #174795	June 13, 2024	• 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. • Two hours of data were lost due to Window update on June 13 hours 15-16.

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	0.0	0	1	Jun 11 at hr 9	10.4	WSW	0.1	Jun 11	99.7	94.4
TRS (ppb)	-	-	-	-	-	-	0.40	0.21	2.12	Jun 30 at hr 5	3.3	E	0.74	Jun 30	99.7	94.4
THC (ppm)	-	-	-	-	-	-	1.94	1.87	2.23	Jun 28 at hr 22	6.4	ESE	1.97	Jun 8	99.7	94.4
CH4 (ppm)	-	-	-	-	-	-	1.94	1.87	2.23	Jun 28 at hr 22	6.4	ESE	1.97	Jun 8	99.7	94.4
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.01	Jun 14 at hr 14	12.4	WSW	0.00	Jun 14	99.7	94.4
RH (%)	-	-	-	-	-	-	69.2	20	100	Jun 1 at hr 2	0.2	NW	99.4	Jun 15	99.7	99.7
BP (millibar)	-	-	-	-	-	-	937	922	949	Jun 8 at hr 11	15.2	NNW	948	Jun 8	99.7	99.7
Ext. Temp. (°C)	-	-	-	-	-	-	13.1	3.1	26.6	Jun 22 at hr 14	10.3	S	20.8	Jun 22	99.7	99.7
Stn. Temp. (°C)	-	-	-	-	-	-	22.6	20.9	23.6	Jun 19 at hr 7	11.8	SSE	23.0	Jun 24	99.7	99.7
Precipitation (mm)*	-	-	-	-	-	-	105.6	0.0	14.0	Jun 23 at hr 16	14.8	W	19.9	Jun 23	99.7	99.7
WSV (km/hr)	-	-	-	-	-	-	2.1	0.0	37.2	Jun 5 at hr 9	37.2	W	25.8	Jun 5	99.7	99.7
WDV (sector)	-	-	-	-	-	-	281 (W)	-	-	-	-	-	-	-	99.7	99.7

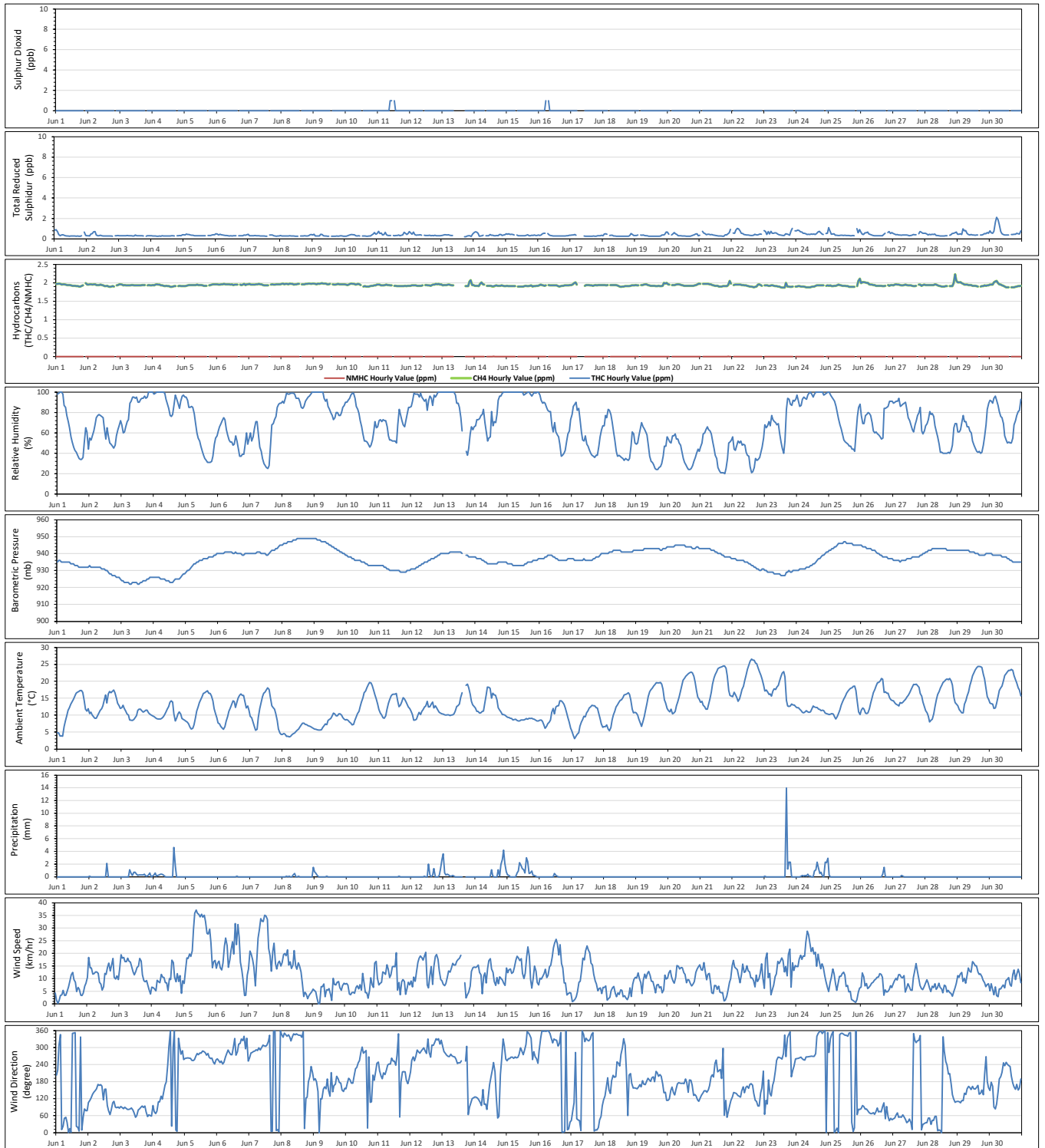
1- Date/ Time given is the first minimum and maximum value that was recorded

* 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 Jun 2024 - Reno-B Station



PRC Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43i #1034746225	June 5, 2024	- No operational issues were identified this month. - Eight hours of data were lost due to two power failure events.
H2S Thermo 450i #1308857354	June 5, 2024	- No operational issues were identified this month. - Eight hours of data were lost due to two power failure events.
TRS Thermo 450i #1034746224 TRS Convertor CD Nova CDN-101 #516	June 5, 2024	- No operational issues were identified this month. - Eight hours of data were lost due to two power failure events.
THC/CH4/NMHC Thermo 55i #1034745845 #1191032505 H2 Generator HG300 #211067076	June 12, 2024	- The monthly calibration was completed on June 6. - CNRL's Thermo 55i analyzer, s/n: 1034745845, failed on June 11. The analyzer was replaced by PRAMP's Thermo 55i analyzer, s/n: 1191032505, on June 12. The HC channels were brought back online after a successful installation calibration on June 12. Forty-one hours of downtime were recorded due to this event. - Bad injections were noted on June 17. A repeat multi-point calibration was completed to correct the issue on June 18. One-minute data collected between June 17 and June 19 were reviewed and discarded if data quality was affected by the injection issues. Hourly data were re-calculated using the revised 1-minute dataset. Eight hours of data were invalidated due to this event. - Eight hours of data were lost due to two power failure events.

Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20558318	June 5, 2024	• No operational issues were identified this month. • Eight hours of data were lost due to two power failure events.
BP MetOne 092 #B19577	June 5, 2024	• No operational issues were identified this month. • Eight hours of data were lost due to two power failure events.
AT Rotronic HC2-S3 #20558318	June 5, 2024	• No operational issues were identified this month. • Eight hours of data were lost due to two power failure events.
ST Canadian Natural #NA	June 5, 2024	• No operational issues were identified this month. • Eight hours of data were lost due to two power failure events.
WS/ WD RM Young 05305VK #129612	June 5, 2024	• 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. • No operational issues were identified this month. • Eight hours of data were lost due to two power failure events.

Monitored Data Summary for Peace River Complex (PRC) Station

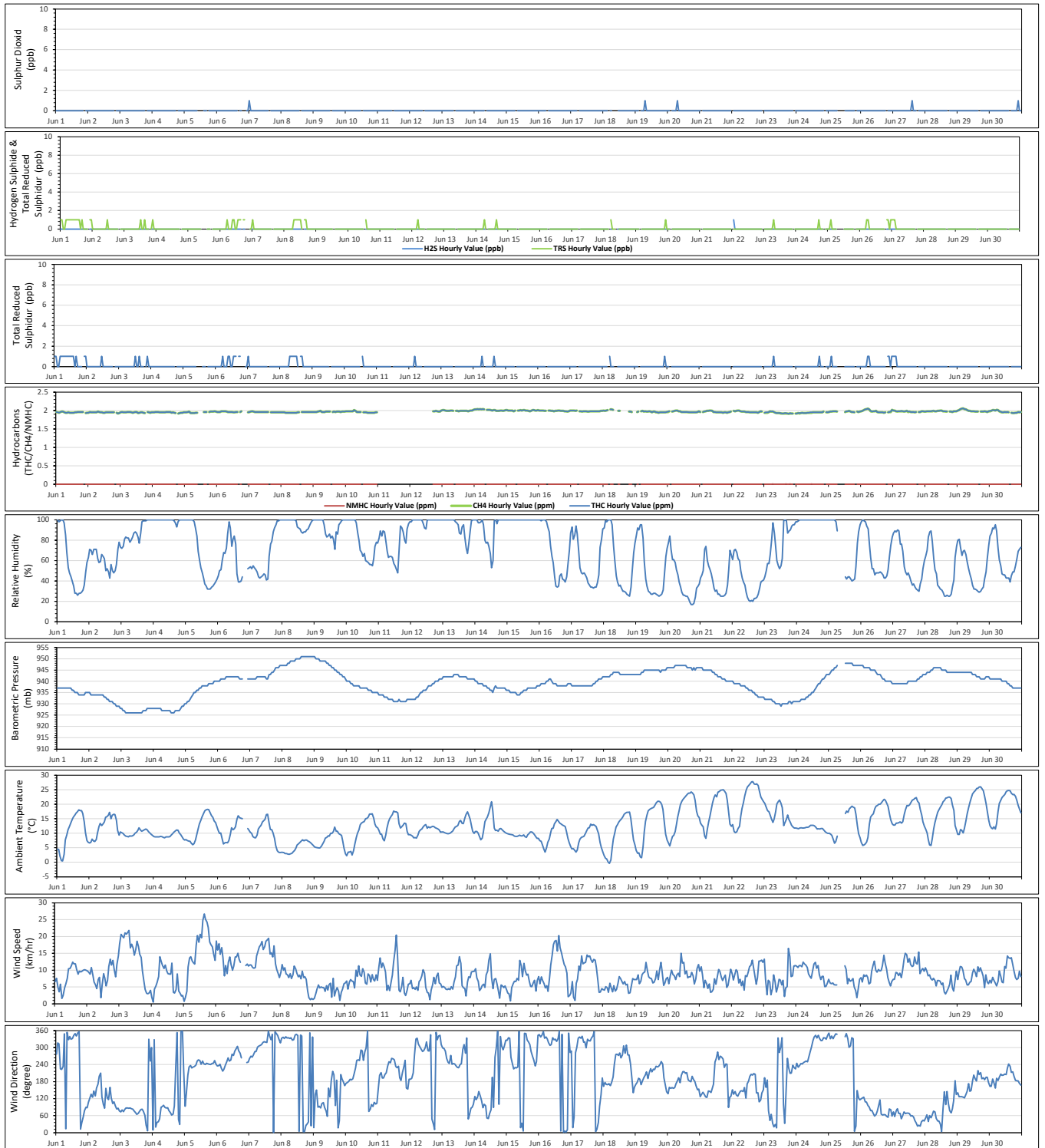
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	1	Jun 7 at hr 0	11.2	W	0.0	Jun 7	98.9	93.4
H2S (ppb)	10	3	-	0	0	-	0.0	0	1	Jun 22 at hr 1	7.1	SE	0.0	Jun 1	98.9	93.6
TRS (ppb)	-	-	-	-	-	-	0.1	0	1	Jun 1 at hr 0	6.6	W	0.7	Jun 1	98.9	93.7
THC (ppm)	-	-	-	-	-	-	1.97	1.91	2.06	Jun 29 at hr 4	9.9	SE	2.0	Jun 14	91.9	86.9
CH4 (ppm)	-	-	-	-	-	-	1.97	1.91	2.06	Jun 29 at hr 4	9.9	SE	2.01	Jun 14	91.9	86.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.01	Jun 23 at hr 6	4.5	NNE	0.00	Jun 23	91.9	86.9
RH (%)	-	-	-	-	-	-	70.2	17	100	Jun 1 at hr 0	6.6	W	100.0	Jun 15	98.9	98.9
BP (millibar)	-	-	-	-	-	-	939	926	951	Jun 8 at hr 14	8.5	NNW	950	Jun 8	98.9	98.9
Ext. Temp. (°C)	-	-	-	-	-	-	12.8	-0.4	27.8	Jun 22 at hr 15	13	SSW	20.9	Jun 22	98.9	98.9
Stn. Temp. (°C)	-	-	-	-	-	-	22.8	20.0	26.5	Jun 18 at hr 16	6.6	W	24.4	Jun 5	98.9	98.9
WSV (km/hr)	-	-	-	-	-	-	0.6	0.5	26.7	Jun 5 at hr 15	26.7	WSW	15.9	Jun 5	98.9	98.9
WDV (sector)	-	-	-	-	-	-	263 (W)	-	-	-	-	-	-	-	98.9	98.9

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

Alberta Ambient Air Quality Objectives (AAQOs) and/or Alberta Ambient Air Quality Guidelines (AAQGs) Exceedances

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

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



Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Teledyne T100 #722	June 11, 2024	- No operational issues were identified this month. - Two hours of data were lost due to Window update on June 14 hours 10-11.
TRS Teledyne T100U #132 TRS Convertor CD Nova CDN-101 #576	June 11, 2024	- No operational issues were identified this month. - Two hours of data were lost due to Window update on June 14 hours 10-11.
NOx/NO/NO2 Teledyne T200 #837	June 11, 2024	- No operational issues were identified this month. - Two hours of data were lost due to Window update on June 14 hours 10-11.
THC/CH4/NMHC Thermo 55i #12101910497 H2 Generator HG300 #190567059	June 11, 2024	- Two hours of data were lost due to Window update on June 14 hours 10-11. - Hourly data collected on June 11 hour 11 did not meet the hourly data completeness requirement due to polling errors.
O3 Teledyne T400 #824	June 11, 2024	- Two hours of data were lost due to Window update on June 14 hours 10-11. - Hourly data collected on June 11 hour 11 did not meet the hourly data completeness requirement due to polling errors.
PM2.5 Teledyne T640 #318	June 11, 2024	- Two hours of data were lost due to Window update on June 14 hours 10-11. - Hourly data collected on June 11 hour 11 did not meet the hourly data completeness requirement due to polling errors.

Parameter	Verification Date	Equipment Operational Summary
RH Vaisala HMP155 #N2910506	June 11, 2024	- Two hours of data were lost due to Window update on June 14 hours 10-11. - Hourly data collected on June 11 hour 11 and on June 19 hours 10-11 did not meet the hourly data completeness requirement due to polling errors.
BP MetOne 092 #A2397	June 11, 2024	- Two hours of data were lost due to Window update on June 14 hours 10-11. - Hourly data collected on June 11 hour 11 and on June 19 hours 10-11 did not meet the hourly data completeness requirement due to polling errors.
AT Vaisala HMP155 #N2910506	June 11, 2024	- Two hours of data were lost due to Window update on June 14 hours 10-11. - Hourly data collected on June 11 hour 11 and on June 19 hours 10-11 did not meet the hourly data completeness requirement due to polling errors.
ST COMET #NA	June 11, 2024	- Two hours of data were lost due to Window update on June 14 hours 10-11. - Hourly data collected on June 19 hours 10-11 did not meet the hourly data completeness requirement due to polling errors.
WS/ WD RM Young 05305AQ #174801	June 11, 2024	- Wind direction data contained in this report represents where the wind is coming from. - The annual wind system calibration was completed on August 2, 2023. - Two hours of data were lost due to Window update on June 14 hours 10-11. - Hourly data collected on June 11 hour 11 and on June 19 hours 10-11 did not meet the hourly data completeness requirement due to polling errors.

Monitored Data Summary for AQHI - Grimshaw Station

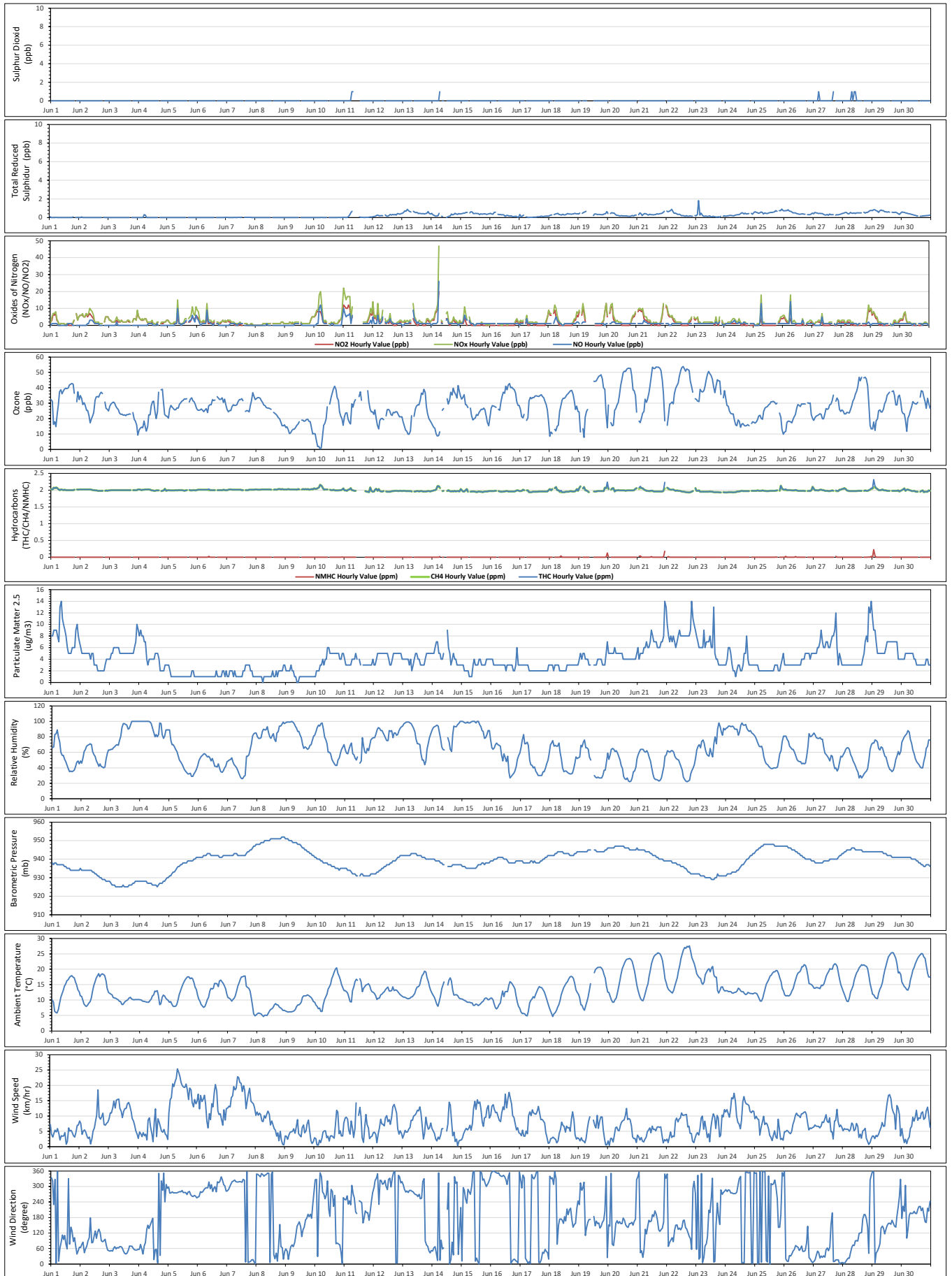
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	1	Jun 11 at hr 6	8.4	WNW	0.1	Jun 28	99.7	94.1
TRS (ppb)	-	-	-	-	-	-	0.24	0.00	1.83	Jun 23 at hr 2	3.8	NNE	0.63	Jun 29	99.7	94.1
NOx (ppb)	-	-	-	-	-	-	3.2	0	47	Jun 14 at hr 6	2.5	NNE	6.3	Jun 14	99.7	93.4
NO (ppb)	-	-	-	-	-	-	1.1	0	26	Jun 14 at hr 6	2.5	NNE	2.4	Jun 14	99.7	93.4
NO2 (ppb)	159	-	-	0	-	-	2.1	0	20	Jun 14 at hr 6	2.5	NNE	4.0	Jun 2	99.7	93.4
O3 (ppb)	76	-	-	0	-	-	28.0	0.4	53.9	Jun 22 at hr 13	10.2	SSE	40.7	Jun 22	99.6	94.1
THC (ppm)	-	-	-	-	-	-	1.99	1.93	2.31	Jun 29 at hr 1	3.4	N	2.03	Jun 10	99.6	94.1
CH4 (ppm)	-	-	-	-	-	-	1.99	1.93	2.16	Jun 10 at hr 4	2.1	N	2.03	Jun 10	99.6	94.1
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.23	Jun 29 at hr 1	3.4	N	0.01	Jun 21	99.6	94.1
PM2.5 (µg/m3)	80	29	-	0	0	-	4.1	0	14	Jun 1 at hr 8	2.2	E	8.4	Jun 22	99.6	99.2
RH (%)	-	-	-	-	-	-	64.0	22	100	Jun 3 at hr 17	13.4	ENE	93.5	Jun 15	99.3	99.3
BP (millibar)	-	-	-	-	-	-	939	925	952	Jun 8 at hr 20	5	ENE	950	Jun 8	99.3	99.3
Ext. Temp. (°C)	-	-	-	-	-	-	13.7	4.7	27.6	Jun 22 at hr 18	6.7	ESE	20.5	Jun 22	99.3	99.3
Stn. Temp. (°C)	-	-	-	-	-	-	21.9	20.4	25.3	Jun 5 at hr 13	19.4	W	22.4	Jun 24	99.4	99.4
WSV (km/hr)	-	-	-	-	-	-	7.8	0.3	25.4	Jun 5 at hr 8	25.4	W	17.9	Jun 5	99.3	99.3
WDV (sector)	-	-	-	-	-	-	5 (N)	-	-	-	-	-	-	-	99.3	99.3

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 Jun 2024 - AQHI - Grimshaw Station



TABLES, CHARTS AND WIND ROSES

986-C STATION

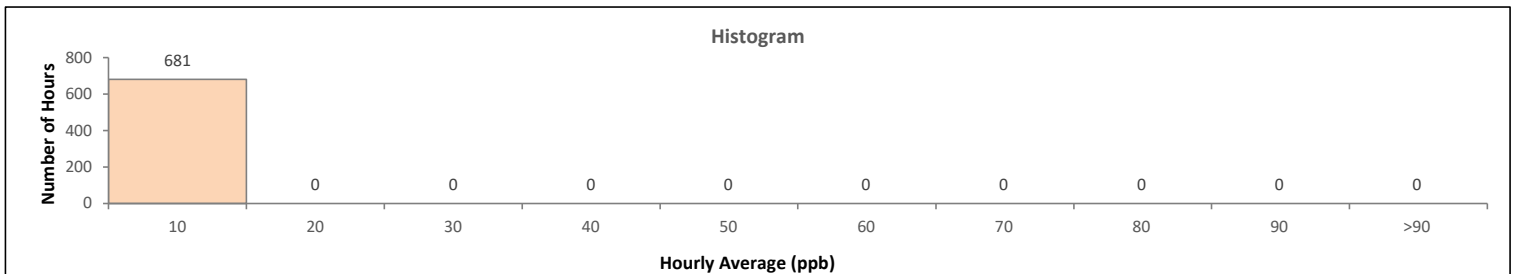
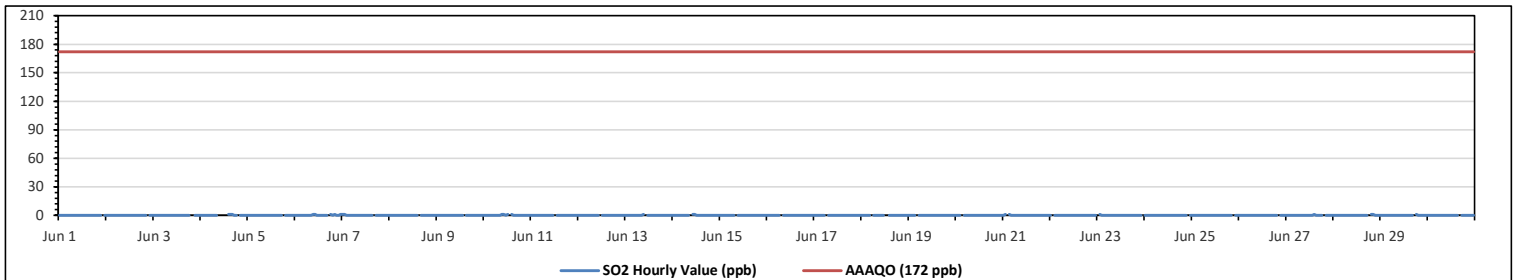
Peace River Area Monitoring Program

986-C Station - June 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO₂) 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 Jun 4 at hr 14					Hours in Service:					720														
Maximum Daily Value:					0.2 ppb on Jun 6					Hours of Data:					681														
Minimum Hourly Value:					0 ppb on Jun 1 at hr 0					Hours of Missing Data:					1														
Minimum Daily Value:					0.0 ppb on Jun 1					Hours of Calibration:					38														
Monthly Average:					0.0 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					
Jun 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		
Jun 2	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		
Jun 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NRM	S	0	0	0	0	0	0.0		
Jun 4	0	0	0	0	0	0	0	0	0	C	C	C	C	C	1	1	1	0	S	S	0	0	0	0	0	1	0.0		
Jun 5	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	0.2		
Jun 6	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	S	1	0	1	0	0	1	0	1	0.2		
Jun 7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0.1		
Jun 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		
Jun 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		
Jun 10	0	0	0	0	0	0	0	0	0	1	1	0	1	S	1	0	0	0	0	0	0	0	0	0	0	0	1	0.2	
Jun 11	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		
Jun 12	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		
Jun 13	0	0	0	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0		
Jun 14	0	0	0	0	0	0	0	0	0	S	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1		
Jun 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		
Jun 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		
Jun 17	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		
Jun 18	0	0	0	0	0	S	0	0	0	0	0	0	Q	Q	0	0	0	0	0	0	0	0	0	0	0	0	0.0		
Jun 19	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		
Jun 20	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		
Jun 21	0	1	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1		
Jun 22	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		
Jun 23	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	1	0.0		
Jun 24	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		
Jun 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		
Jun 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	S	0	0	0	0	0	0.0		
Jun 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	S	0	0	0	0	0	1	0.0		
Jun 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	S	1	1	0	0	0	0	1	0.1		
Jun 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	S	1	0	0	0	0	0	0	1	0.0		
Jun 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		
Diurnal Maximum	1	1	0	1	0	0	0	0	0	1	1	1	1	0	1	1	1	0	1	1	1	0	0	1					
Diurnal Average	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	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.																													

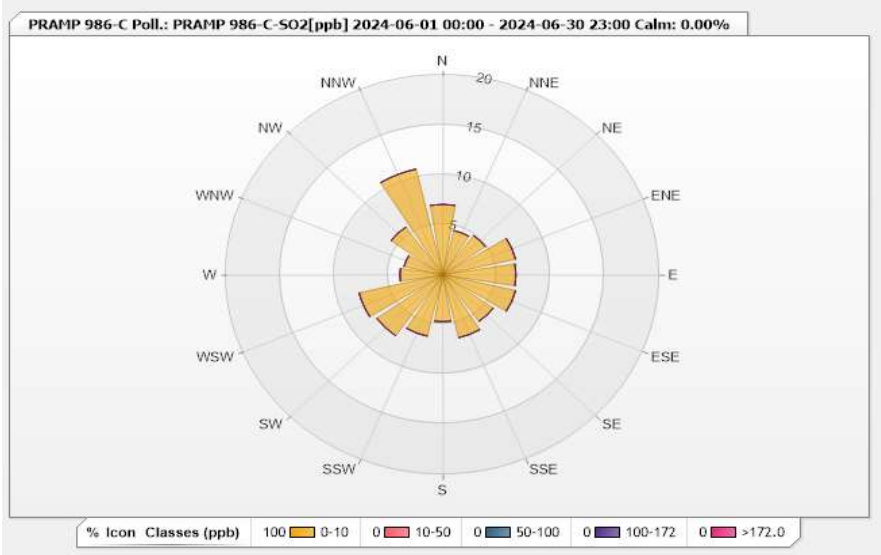


Station: PRAMP 986-C Poll.: PRAMP 986-C-SO2[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.58% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	7.05	0	0	0	0	7.05
NNE	4.55	0	0	0	0	4.55
NE	4.85	0	0	0	0	4.85
ENE	6.9	0	0	0	0	6.9
E	6.75	0	0	0	0	6.75
ESE	6.9	0	0	0	0	6.9
SE	5.73	0	0	0	0	5.73
SSE	6.46	0	0	0	0	6.46
S	4.7	0	0	0	0	4.7
SSW	6.31	0	0	0	0	6.31
SW	7.49	0	0	0	0	7.49
WSW	7.93	0	0	0	0	7.93
W	3.96	0	0	0	0	3.96
WNW	3.67	0	0	0	0	3.67
NW	5.87	0	0	0	0	5.87
NNW	10.87	0	0	0	0	10.87
Summary	100	0	0	0	0	100



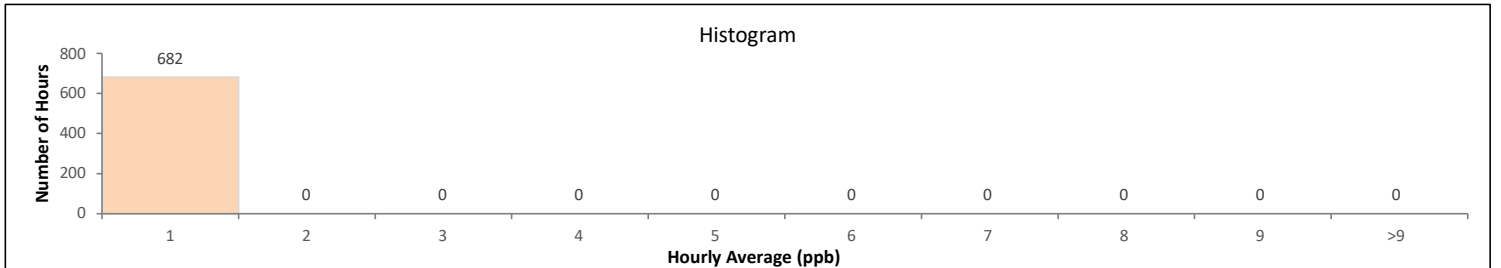
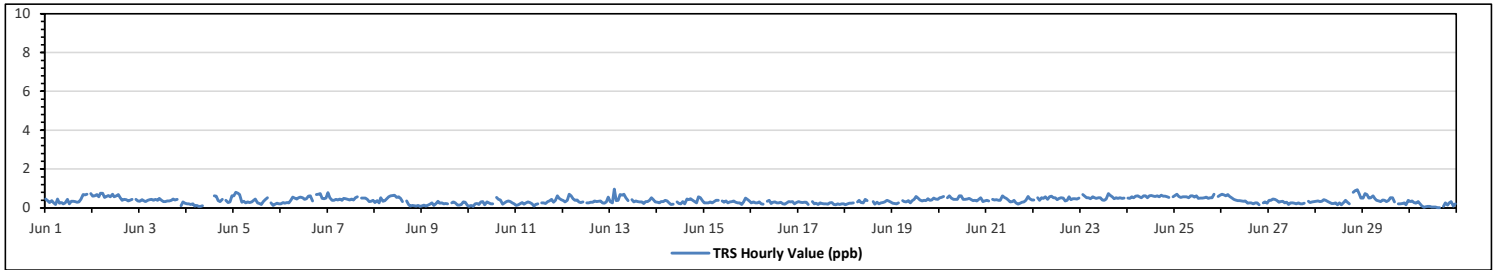
Peace River Area Monitoring Program

986-C Station - June 2024

Summary of Hourly Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Maximum Hourly Value:	0.97	ppb	on Jun 13 at hr 2	Hours in Service:	720																																											
Maximum Daily Value:	0.58	ppb	on Jun 24	Hours of Data:	682																																											
Minimum Hourly Value:	0.01	ppb	on Jun 30 at hr 14	Hours of Missing Data:	0																																											
Minimum Daily Value:	0.16	ppb	on Jun 30	Hours of Calibration:	38																																											
Monthly Average:	0.38	ppb		Operational Uptime:	100.0																																											
Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)													10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average								
Jun 1	0.46	0.37	0.28	0.37	0.25	0.17	0.46	0.24	0.28	0.21	0.27	0.43	0.2	0.34	0.34	0.33	0.29	0.31	0.45	0.68	0.67	0.71	S	0.73	0.17	0.73	0.38																					
Jun 2	0.6	0.63	0.68	0.57	0.76	0.76	0.54	0.59	0.64	0.56	0.71	0.57	0.62	0.68	0.52	0.4	0.45	0.42	0.36	0.4	0.43	S	0.43	0.35	0.35	0.76	0.55																					
Jun 3	0.34	0.42	0.37	0.33	0.39	0.42	0.43	0.38	0.45	0.39	0.49	0.39	0.33	0.32	0.35	0.36	0.4	0.46	0.41	0.44	S	0.11	0.31	0.24	0.11	0.49	0.37																					
Jun 4	0.2	0.22	0.18	0.2	0.1	0.12	0.08	0.07	0.11	C	C	C	C	C	0.61	0.6	0.37	0.33	0.43	S	0.4	0.28	0.31	0.63	0.07	0.63	0.29																					
Jun 5	0.63	0.8	0.76	0.69	0.29	0.34	0.27	0.3	0.28	0.31	0.39	0.46	0.26	0.23	0.18	0.32	0.42	0.52	S	0.27	0.13	0.19	0.24	0.21	0.13	0.80	0.37																					
Jun 6	0.21	0.28	0.24	0.28	0.26	0.38	0.55	0.5	0.46	0.53	0.55	0.53	0.44	0.47	0.6	0.62	0.35	S	0.69	0.7	0.73	0.48	0.47	0.5	0.21	0.73	0.47																					
Jun 7	0.78	0.53	0.4	0.39	0.44	0.41	0.46	0.39	0.48	0.47	0.43	0.41	0.46	0.41	0.52	0.58	S	0.5	0.5	0.5	0.45	0.33	0.34	0.38	0.33	0.78	0.46																					
Jun 8	0.28	0.37	0.27	0.52	0.34	0.37	0.47	0.58	0.63	0.64	0.65	0.54	0.56	0.48	0.33	S	0.36	0.18	0.09	0.12	0.11	0.1	0.12	0.08	0.08	0.65	0.36																					
Jun 9	0.11	0.14	0.09	0.14	0.19	0.25	0.13	0.22	0.34	0.24	0.26	0.2	0.23	0.2	S	0.25	0.31	0.25	0.14	0.15	0.18	0.3	0.29	0.12	0.09	0.34	0.21																					
Jun 10	0.08	0.13	0.08	0.22	0.23	0.18	0.3	0.32	0.16	0.3	0.26	0.22	0.2	S	0.54	0.44	0.41	0.19	0.25	0.33	0.36	0.32	0.26	0.2	0.08	0.54	0.26																					
Jun 11	0.13	0.16	0.22	0.28	0.19	0.26	0.3	0.28	0.22	0.09	0.18	0.21	S	0.27	0.27	0.23	0.33	0.35	0.43	0.29	0.38	0.61	0.48	0.42	0.09	0.61	0.29																					
Jun 12	0.37	0.3	0.39	0.7	0.63	0.47	0.39	0.41	0.31	0.28	0.31	S	0.27	0.25	0.29	0.29	0.35	0.33	0.34	0.36	0.25	0.24	0.3	0.55	0.24	0.70	0.36																					
Jun 13	0.32	0.26	0.97	0.37	0.4	0.68	0.66	0.71	0.53	0.37	S	0.42	0.3	0.36	0.33	0.3	0.31	0.23	0.33	0.33	0.4	0.52	0.42	0.3	0.23	0.97	0.43																					
Jun 14	0.29	0.26	0.33	0.32	0.4	0.35	0.26	0.17	0.19	S	0.31	0.23	0.21	0.32	0.22	0.46	0.42	0.47	0.39	0.33	0.27	0.57	0.53	0.35	0.17	0.57	0.33																					
Jun 15	0.26	0.26	0.25	0.3	0.25	0.33	0.39	0.38	S	0.35	0.29	0.36	0.26	0.3	0.32	0.36	0.29	0.25	0.27	0.18	0.3	0.51	0.42	0.36	0.18	0.51	0.31																					
Jun 16	0.27	0.3	0.27	0.26	0.31	0.22	0.19	S	0.34	0.4	0.23	0.29	0.3	0.26	0.27	0.29	0.22	0.19	0.26	0.33	0.3	0.32	0.22	0.28	0.19	0.40	0.27																					
Jun 17	0.33	0.29	0.28	0.29	0.29	0.17	S	0.32	0.2	0.24	0.18	0.25	0.23	0.2	0.21	0.19	0.27	0.28	0.17	0.16	0.21	0.18	0.2	0.2	0.16	0.33	0.23																					
Jun 18	0.16	0.2	0.24	0.24	0.27	S	0.31	0.38	0.28	0.26	0.45	0.37	Q	Q	0.23	0.19	0.29	0.22	0.26	0.28	0.31	0.4	0.36	0.3	0.16	0.45	0.29																					
Jun 19	0.24	0.23	0.21	0.25	S	0.37	0.32	0.3	0.37	0.27	0.37	0.43	0.59	0.5	0.41	0.35	0.39	0.37	0.47	0.38	0.41	0.5	0.46	0.44	0.21	0.59	0.38																					
Jun 20	0.52	0.54	0.59	S	0.53	0.62	0.51	0.44	0.44	0.45	0.61	0.61	0.44	0.44	0.46	0.49	0.45	0.37	0.38	0.35	0.45	0.52	0.33	0.36	0.33	0.62	0.47																					
Jun 21	0.38	0.36	S	0.45	0.41	0.42	0.39	0.4	0.63	0.54	0.48	0.41	0.3	0.33	0.39	0.26	0.19	0.24	0.29	0.3	0.38	0.59	0.47	0.41	0.19	0.63	0.39																					
Jun 22	0.41	S	0.53	0.39	0.52	0.48	0.58	0.43	0.58	0.6	0.53	0.52	0.42	0.48	0.52	0.51	0.36	0.39	0.56	0.42	0.47	0.47	0.46	0.5	0.36	0.60	0.48																					
Jun 23	S	0.69	0.6	0.53	0.52	0.47	0.56	0.53	0.49	0.52	0.53	0.41	0.39	0.46	0.73	0.66	0.57	0.47	0.53	0.49	0.53	0.48	0.5	S	0.39	0.73	0.53																					
Jun 24	0.5	0.48	0.58	0.52	0.6	0.61	0.58	0.53	0.61	0.62	0.52	0.61	0.64	0.6	0.59	0.62	0.57	0.65	0.6	0.6	0.57	0.54	S	0.58	0.48	0.65	0.58																					
Jun 25	0.64	0.71	0.59	0.54	0.57	0.57	0.57	0.53	0.61	0.61	0.55	0.62	0.49	0.5	0.51	0.52	0.55	0.49	0.53	0.52	0.71	S	0.59	0.66	0.49	0.71	0.57																					
Jun 26	0.71	0.67	0.63	0.69	0.59	0.53	0.45	0.41	0.37	0.37	0.35	0.34	0.36	0.24	0.26	0.25	0.22	0.25	0.25	0.16	S	0.25	0.31	0.24	0.16	0.71	0.39																					
Jun 27	0.4	0.4	0.46	0.43	0.39	0.29	0.32	0.34	0.26	0.29	0.18	0.25	0.27	0.24	0.22	0.25	0.22	0.21	0.24	S	0.34	0.28	0.3	0.32	0.18	0.46	0.30																					
Jun 28	0.34	0.35	0.32	0.34	0.42	0.39	0.32	0.28	0.23	0.23	0.27	0.16	0.25	0.16	0.28	0.4	0.29	0.2	S	0.8	0.88	0.93	0.72	0.5	0.16	0.93	0.39																					
Jun 29	0.51	0.73	0.68	0.5	0.52	0.61	0.47	0.4	0.36	0.33	0.41	0.38	0.32	0.38	0.52	0.53	0.31	S	0.2	0.21	0.23	0.26	0.16	0.38	0.16	0.73	0.41																					
Jun 30	0.32	0.36	0.28	0.24	0.33	0.23	0.11	0.02	0.06	0.08	0.07	0.04	0.03	0.04	0.01	0.01	S	0.08	0.25	0.15	0.27	0.33	0.09	0.21	0.01	0.36	0.16																					
Diurnal Maximum	0.78	0.80	0.97	0.70	0.76	0.76	0.66	0.71	0.64	0.64	0.71	0.62	0.64	0.68	0.73	0.66	0.57	0.65	0.69	0.80	0.88	0.93	0.72	0.73																								
Diurnal Average	0.37	0.39	0.41	0.39	0.39	0.40	0.39	0.37	0.38	0.38	0.39	0.38	0.35	0.35	0.38	0.38	0.36	0.33	0.36	0.37	0.40	0.40	0.36	0.37																								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance																									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance																									
X	Invalid Data (Equipment Malfunction / Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure																									
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.																																																

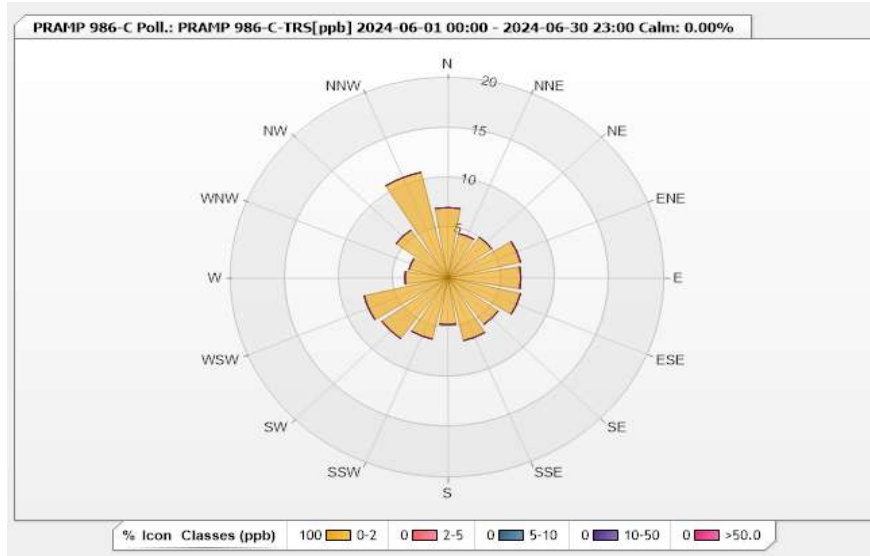


Station: PRAMP 986-C Poll.: PRAMP 986-C-TRS[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.72% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	7.04	0	0	0	0	7.04
NNE	4.55	0	0	0	0	4.55
NE	4.99	0	0	0	0	4.99
ENE	6.89	0	0	0	0	6.89
E	6.74	0	0	0	0	6.74
ESE	6.89	0	0	0	0	6.89
SE	5.72	0	0	0	0	5.72
SSE	6.45	0	0	0	0	6.45
S	4.69	0	0	0	0	4.69
SSW	6.3	0	0	0	0	6.3
SW	7.48	0	0	0	0	7.48
WSW	7.92	0	0	0	0	7.92
W	3.96	0	0	0	0	3.96
WNW	3.67	0	0	0	0	3.67
NW	5.87	0	0	0	0	5.87
NNW	10.85	0	0	0	0	10.85
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - June 2024

Summary of Hourly Averages

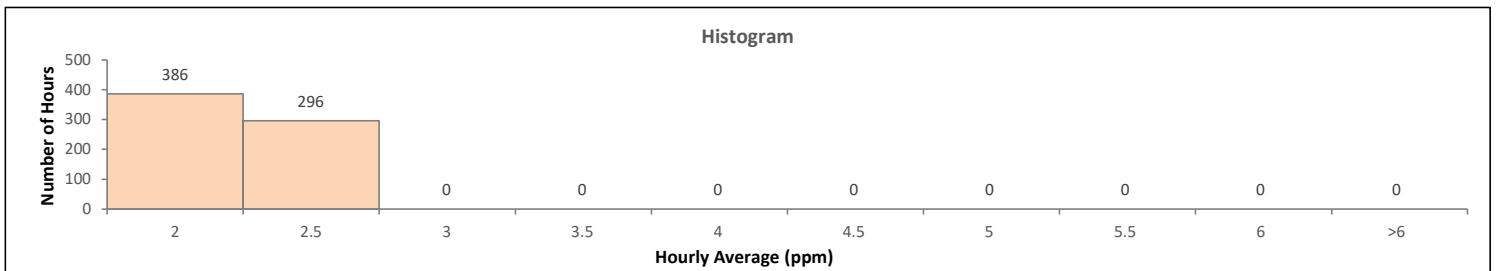
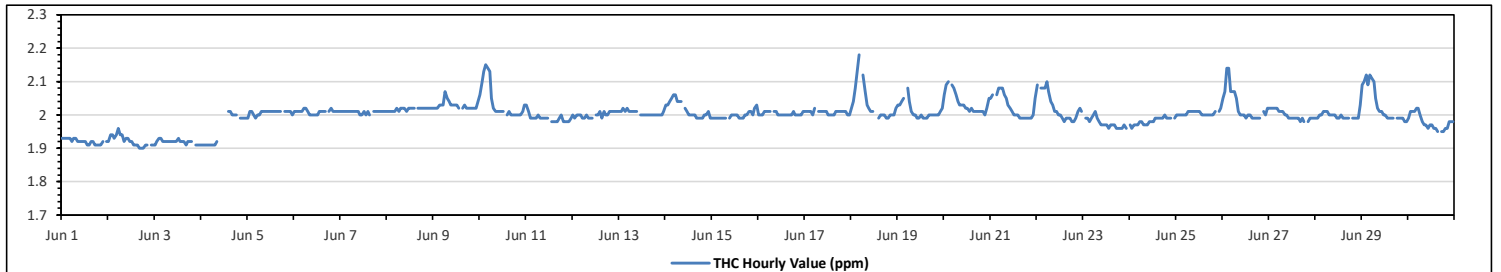
TOTAL HYDROCARBONS (THC) in ppm

Maximum Hourly Value:	2.18	ppm	on Jun 18 at hr 4	Hours in Service:	720
Maximum Daily Value:	2.04	ppm	on Jun 10	Hours of Data:	682
Minimum Hourly Value:	1.90	ppm	on Jun 2 at hr 16	Hours of Missing Data:	0
Minimum Daily Value:	1.92	ppm	on Jun 3	Hours of Calibration:	38
Monthly Average:	2.00	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				
Jun 1	1.93	1.93	1.93	1.93	1.93	1.92	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.92	S	1.92	1.91	1.93	1.92
Jun 2	1.92	1.94	1.94	1.93	1.94	1.96	1.94	1.94	1.92	1.93	1.93	1.92	1.92	1.91	1.91	1.91	1.90	1.90	1.90	1.91	1.91	1.91	S	1.91	1.91	1.90	1.96	1.92
Jun 3	1.91	1.92	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.92	1.92	1.92	1.91	1.92	1.92	1.92	S	1.91	1.91	1.91	1.91	1.91	1.93	1.92
Jun 4	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92	C	C	C	C	C	C	2.01	2.01	2.00	2.00	2.00	S	1.99	1.99	1.99	1.99	1.91	2.01	1.95
Jun 5	1.99	2.01	2.01	2.00	1.99	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	S	2.01	2.01	2.01	2.01	2.01	2.00	1.99	2.01	2.01
Jun 6	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.01	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	S	2.01	2.02	2.01	2.01	2.01	2.01	2.00	2.00	2.02	2.01
Jun 7	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.01	2.00	2.01	2.00	S	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.01	2.01
Jun 8	2.01	2.01	2.01	2.01	2.01	2.02	2.01	2.02	2.02	2.02	2.01	2.02	2.02	2.02	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.02	2.02
Jun 9	2.02	2.02	2.02	2.03	2.03	2.03	2.07	2.05	2.04	2.03	2.03	2.03	2.03	2.02	S	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.04	2.02	2.07	2.03
Jun 10	2.06	2.10	2.13	2.15	2.14	2.13	2.05	2.02	2.01	2.01	2.01	2.01	2.01	S	2.00	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.03	2.00	2.15	2.04
Jun 11	2.03	2.01	1.99	1.99	1.99	1.99	2.00	1.99	1.99	1.99	1.99	1.99	S	1.98	1.98	1.98	1.98	1.99	2.00	1.98	1.98	1.98	1.98	1.98	1.99	1.98	2.03	1.99
Jun 12	2.00	1.99	2.00	2.00	2.00	1.99	1.99	2.00	1.99	1.99	1.99	S	2.00	2.00	2.00	2.01	1.99	2.01	2.00	2.00	2.00	2.01	2.01	2.01	2.01	1.99	2.01	2.00
Jun 13	2.01	2.01	2.02	2.01	2.02	2.01	2.01	2.01	2.01	2.01	S	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	2.00	2.02	2.01	2.00
Jun 14	2.03	2.03	2.04	2.05	2.06	2.06	2.04	2.04	2.04	S	2.02	2.01	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.00	2.00	2.01	1.99	1.99	2.06	2.02
Jun 15	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.00	2.00	2.01	2.01	2.00	2.02	2.03	1.99	2.03	2.00
Jun 16	2.00	2.00	2.00	2.01	2.01	2.01	2.01	S	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.00	2.01	2.00	2.01	2.00
Jun 17	2.01	2.01	2.01	2.01	2.00	2.02	S	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.02	2.01
Jun 18	2.02	2.04	2.08	2.13	2.18	S	2.12	2.07	2.03	2.02	2.01	2.01	Q	Q	1.99	2.00	2.00	2.00	2.00	1.99	1.99	2.00	2.00	2.00	2.02	1.99	2.18	2.03
Jun 19	2.03	2.03	2.04	2.05	S	2.08	2.04	2.01	2.00	2.00	1.99	1.99	2.00	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.02	1.99	2.08	2.01
Jun 20	2.06	2.09	2.10	S	2.09	2.08	2.06	2.04	2.03	2.03	2.03	2.02	2.02	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.02	2.05	2.00	2.10	2.04
Jun 21	2.05	2.06	S	2.06	2.08	2.08	2.08	2.06	2.05	2.03	2.02	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.05	1.99	2.08	2.02
Jun 22	2.09	S	2.08	2.08	2.08	2.10	2.07	2.04	2.03	2.01	2.01	2.00	2.00	1.99	1.98	1.99	1.99	1.99	1.98	1.98	1.98	1.99	2.01	2.02	2.01	1.98	2.10	2.02
Jun 23	S	1.99	1.99	1.98	1.99	2.00	2.01	1.99	1.98	1.97	1.97	1.97	1.97	1.96	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.97	1.97	1.96	S	1.96	2.01	1.98
Jun 24	1.97	1.96	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	2.00	1.99	1.99	1.99	S	1.99	1.96	2.00	1.98	
Jun 25	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	S	2.01	2.02	2.00	2.02	2.00	2.00
Jun 26	2.05	2.07	2.14	2.14	2.07	2.07	2.07	2.05	2.01	2.00	2.00	2.00	1.99	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	S	2.01	2.00	2.02	1.99	2.14	2.03
Jun 27	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.98	S	1.98	1.99	1.99	1.99	1.99	1.98	2.02	2.00
Jun 28	1.99	1.99	2.00	2.00	2.01	2.01	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.00	1.99	1.99	1.99	1.99	S	1.99	1.99	1.99	1.99	2.03	1.99	2.03	2.00
Jun 29	2.09	2.10	2.12	2.09	2.12	2.11	2.10	2.05	2.02	2.01	2.01	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	1.98	2.12	2.03
Jun 30	1.99	2.01	2.01	2.01	2.02	2.02	2.00	1.98	1.97	1.97	1.96	1.97	1.97	1.96	1.96	1.95	S	1.95	1.95	1.96	1.96	1.98	1.98	1.98	1.98	1.95	2.02	1.98
Diurnal Maximum	2.09	2.10	2.14	2.15	2.18	2.13	2.12	2.07	2.05	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.05			
Diurnal Average	2.01	2.01	2.02	2.02	2.02	2.02	2.00	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	1.99	1.99	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.

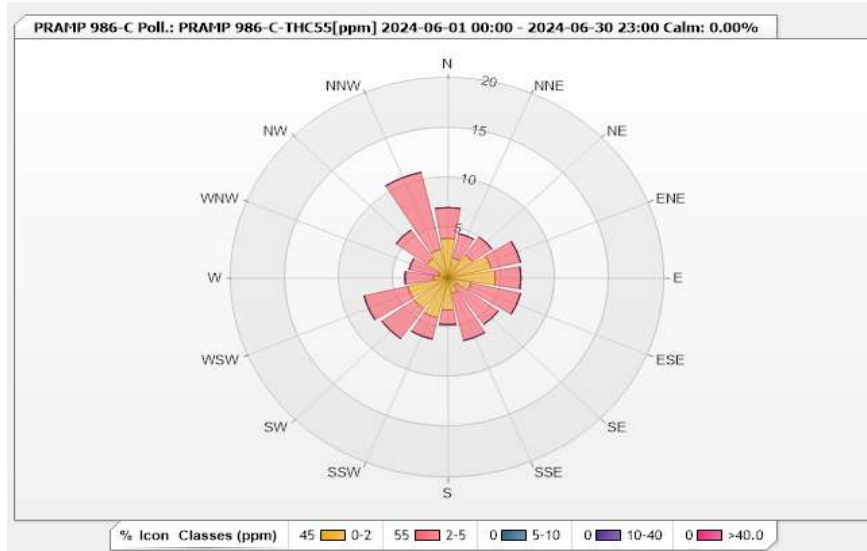


Station: PRAMP 986-C Poll.: PRAMP 986-C-THC55[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.72% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	3.96	3.08	0	0	0	7.04
NNE	2.05	2.49	0	0	0	4.54
NE	2.79	2.2	0	0	0	4.99
ENE	4.11	2.79	0	0	0	6.9
E	4.4	2.35	0	0	0	6.75
ESE	2.2	4.69	0	0	0	6.89
SE	1.03	4.69	0	0	0	5.72
SSE	1.61	4.84	0	0	0	6.45
S	3.23	1.47	0	0	0	4.7
SSW	4.11	2.2	0	0	0	6.31
SW	3.81	3.67	0	0	0	7.48
WSW	3.81	4.11	0	0	0	7.92
W	1.32	2.64	0	0	0	3.96
WNW	0.88	2.79	0	0	0	3.67
NW	2.35	3.52	0	0	0	5.87
NNW	2.93	7.92	0	0	0	10.85
Summary	44.59	55.45	0	0	0	100



Peace River Area Monitoring Program

986-C Station - June 2024 Summary of Hourly Averages

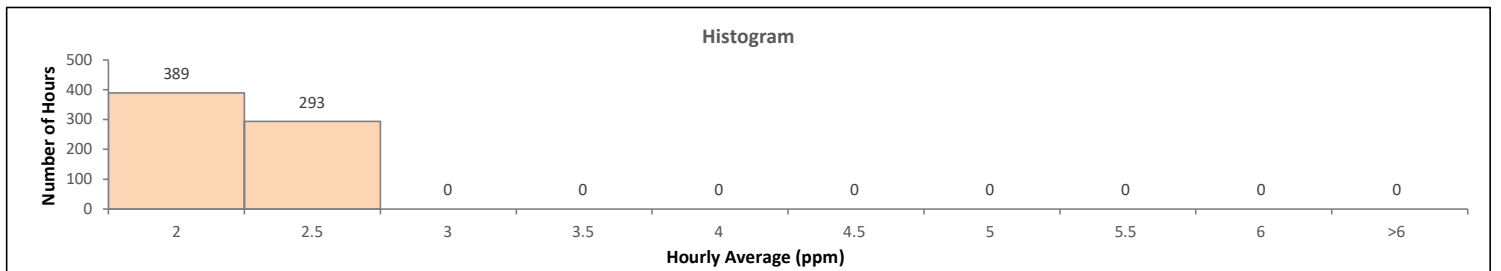
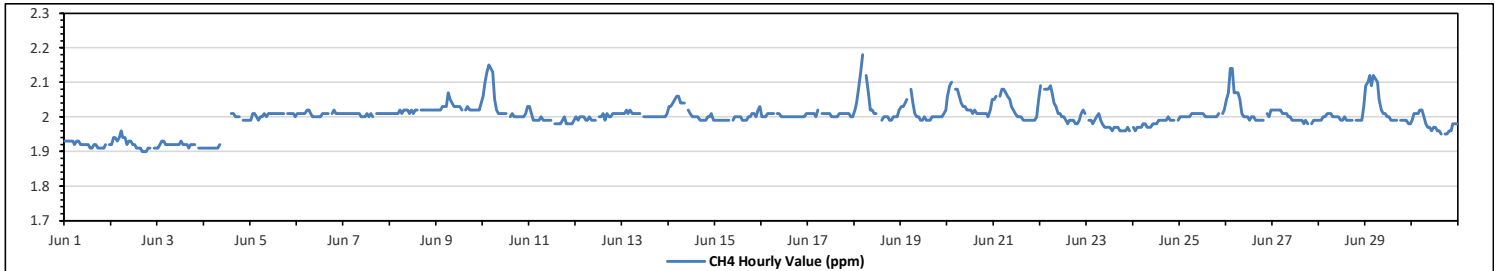
METHANE (CH4) in ppm

Maximum Hourly Value:	2.18	ppm	on Jun 18 at hr 4	Hours in Service:	720
Maximum Daily Value:	2.04	ppm	on Jun 10	Hours of Data:	682
Minimum Hourly Value:	1.90	ppm	on Jun 2 at hr 16	Hours of Missing Data:	0
Minimum Daily Value:	1.92	ppm	on Jun 3	Hours of Calibration:	38
Monthly Average:	2.00	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				
Jun 1	1.93	1.93	1.93	1.93	1.93	1.92	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.92	S	1.92	1.91	1.93	1.92
Jun 2	1.92	1.94	1.94	1.93	1.94	1.96	1.94	1.94	1.92	1.93	1.93	1.92	1.92	1.91	1.91	1.91	1.90	1.90	1.90	1.91	1.91	1.91	S	1.91	1.91	1.90	1.96	1.92
Jun 3	1.91	1.92	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.92	1.92	1.92	1.91	1.92	1.92	1.92	S	1.91	1.91	1.91	1.91	1.91	1.93	1.92
Jun 4	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92	C	C	C	C	C	C	2.01	2.01	2.00	2.00	2.00	S	1.99	1.99	1.99	1.99	1.91	2.01	1.95
Jun 5	1.99	2.01	2.01	2.00	1.99	2.00	2.00	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	S	2.01	2.01	2.01	2.01	2.01	2.00	1.99	2.01	2.01
Jun 6	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.01	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	S	2.01	2.02	2.01	2.01	2.01	2.01	2.00	2.00	2.02	2.01
Jun 7	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.01	2.00	2.01	2.00	S	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.01	2.01
Jun 8	2.01	2.01	2.01	2.01	2.01	2.02	2.01	2.02	2.02	2.02	2.01	2.02	2.01	2.02	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.02	2.02
Jun 9	2.02	2.02	2.02	2.03	2.03	2.03	2.07	2.05	2.04	2.03	2.03	2.03	2.03	2.02	S	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.04	2.02	2.07	2.03
Jun 10	2.06	2.10	2.13	2.15	2.14	2.13	2.05	2.02	2.01	2.01	2.01	2.01	S	S	2.00	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.03	2.00	2.15	2.04
Jun 11	2.03	2.01	1.99	1.99	1.99	1.99	2.00	1.99	1.99	1.99	1.99	1.99	S	S	1.98	1.98	1.98	1.99	2.00	1.98	1.98	1.98	1.98	1.98	1.99	1.98	2.03	1.99
Jun 12	2.00	1.99	2.00	2.00	2.00	1.99	1.99	2.00	1.99	1.99	1.99	S	S	2.00	2.00	2.00	2.01	1.99	2.01	2.00	2.00	2.01	2.01	2.01	2.01	1.99	2.01	2.00
Jun 13	2.01	2.01	2.02	2.01	2.01	2.02	2.01	2.01	2.01	2.01	S	S	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	2.00	2.02	2.01
Jun 14	2.03	2.03	2.04	2.05	2.06	2.06	2.04	2.04	2.04	S	2.02	2.01	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.00	2.00	2.01	1.99	1.99	2.06	2.02
Jun 15	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.00	2.00	2.01	2.01	2.00	2.02	2.03	1.99	2.03	2.00	
Jun 16	2.00	2.00	2.00	2.01	2.01	2.01	2.01	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	2.01	2.00	2.01	2.00
Jun 17	2.01	2.01	2.01	2.01	2.00	2.02	S	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.02	2.01	2.01
Jun 18	2.02	2.04	2.08	2.13	2.18	S	2.12	2.07	2.02	2.02	2.01	2.01	Q	Q	1.99	2.00	2.00	2.00	2.00	1.99	1.99	2.00	2.00	2.00	2.02	1.99	2.18	2.03
Jun 19	2.03	2.03	2.04	2.05	S	2.08	2.04	2.01	2.00	2.00	1.99	1.99	2.00	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.02	1.99	2.08	2.01
Jun 20	2.06	2.09	2.10	S	2.08	2.08	2.06	2.04	2.03	2.03	2.02	2.02	2.02	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.02	2.05	2.00	2.10	2.03
Jun 21	2.05	2.06	S	2.06	2.08	2.08	2.07	2.06	2.05	2.03	2.02	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.05	1.99	2.08	2.02
Jun 22	2.09	S	2.08	2.08	2.08	2.09	2.07	2.04	2.03	2.01	2.01	2.00	2.00	1.99	1.98	1.99	1.99	1.99	1.98	1.98	1.98	1.99	2.01	2.02	2.01	1.98	2.09	2.02
Jun 23	S	1.99	1.99	1.98	1.98	1.99	2.00	2.01	1.99	1.98	1.97	1.97	1.97	1.96	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.97	1.96	S	1.96	2.01	1.98	
Jun 24	1.97	1.96	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	2.00	1.99	1.99	1.99	S	1.99	1.96	2.00	1.98	
Jun 25	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	S	2.01	2.02	2.00	2.02	2.00	
Jun 26	2.05	2.07	2.14	2.14	2.07	2.07	2.07	2.05	2.01	2.00	2.00	2.00	1.99	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	S	2.01	2.00	2.02	1.99	2.14	2.03
Jun 27	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.98	S	1.98	1.99	1.99	1.99	1.99	1.98	2.02	2.00
Jun 28	1.99	1.99	2.00	2.00	2.01	2.01	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.00	1.99	1.99	1.99	1.99	S	1.99	1.99	1.99	1.99	2.03	1.99	2.03	2.00
Jun 29	2.09	2.10	2.12	2.09	2.12	2.11	2.10	2.05	2.02	2.01	2.01	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	1.98	2.12	2.03
Jun 30	1.99	2.01	2.01	2.01	2.02	2.02	2.00	1.98	1.97	1.97	1.96	1.97	1.97	1.96	1.96	1.95	S	1.95	1.95	1.96	1.96	1.98	1.98	1.98	1.98	1.95	2.02	1.98
Diurnal Maximum	2.09	2.10	2.14	2.15	2.18	2.13	2.12	2.07	2.05	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.05			
Diurnal Average	2.01	2.01	2.02	2.02	2.02	2.02	2.00	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	1.99	1.99	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.

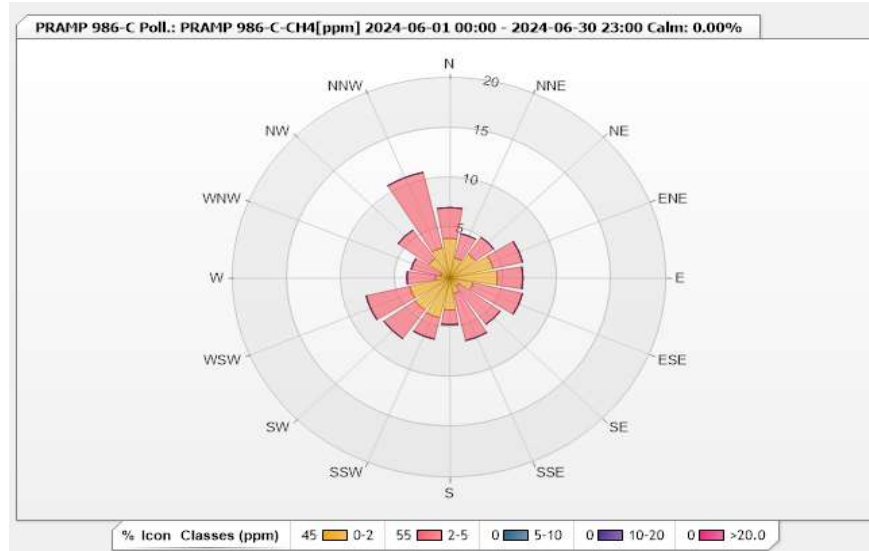


Station: PRAMP 986-C Poll.: PRAMP 986-C-CH4[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.72% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	3.96	3.08	0	0	0	7.04
NNE	2.05	2.49	0	0	0	4.54
NE	2.93	2.05	0	0	0	4.98
ENE	4.11	2.79	0	0	0	6.9
E	4.4	2.35	0	0	0	6.75
ESE	2.2	4.69	0	0	0	6.89
SE	1.03	4.69	0	0	0	5.72
SSE	1.61	4.84	0	0	0	6.45
S	3.23	1.47	0	0	0	4.7
SSW	4.11	2.2	0	0	0	6.31
SW	3.96	3.52	0	0	0	7.48
WSW	3.81	4.11	0	0	0	7.92
W	1.32	2.64	0	0	0	3.96
WNW	0.88	2.79	0	0	0	3.67
NW	2.35	3.52	0	0	0	5.87
NNW	3.08	7.77	0	0	0	10.85
Summary	45.03	55	0	0	0	100



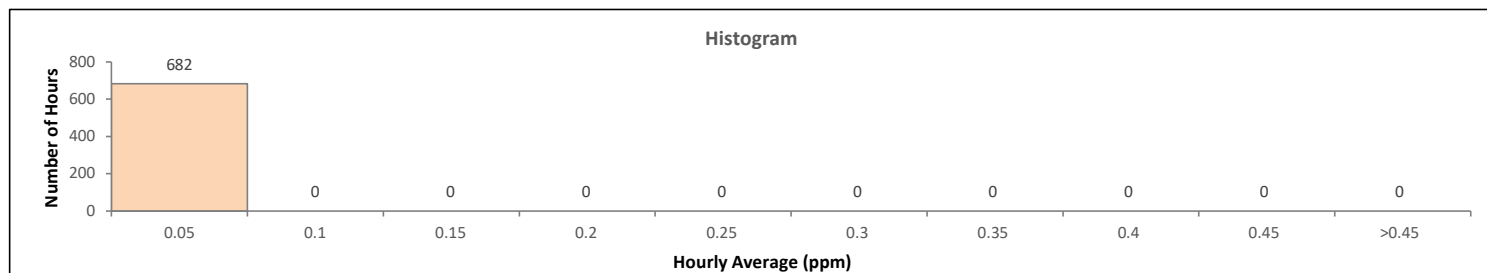
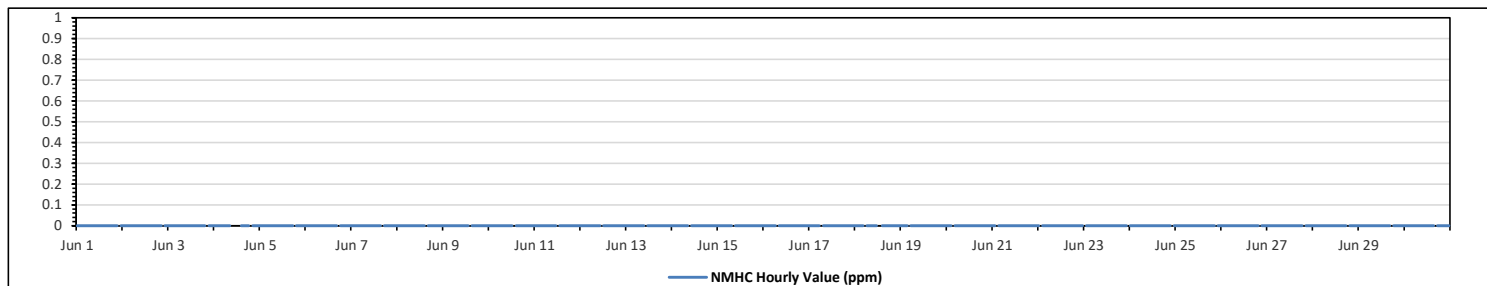
Peace River Area Monitoring Program

986-C Station - June 2024

Summary of Hourly Averages

NON-METHANE HYDROCARBONS (NMHC) in ppm

Maximum Hourly Value:	0.00	ppm	on Jun 1 at hr 0	Hours in Service:	720																						
Maximum Daily Value:	0.00	ppm	on Jun 1	Hours of Data:	682																						
Minimum Hourly Value:	0.00	ppm	on Jun 1 at hr 0	Hours of Missing Data:	0																						
Minimum Daily Value:	0.00	ppm	on Jun 1	Hours of Calibration:	38																						
Monthly Average:	0.00	ppm		Operational Uptime:	100.0																						
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average	
Jun 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	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	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			

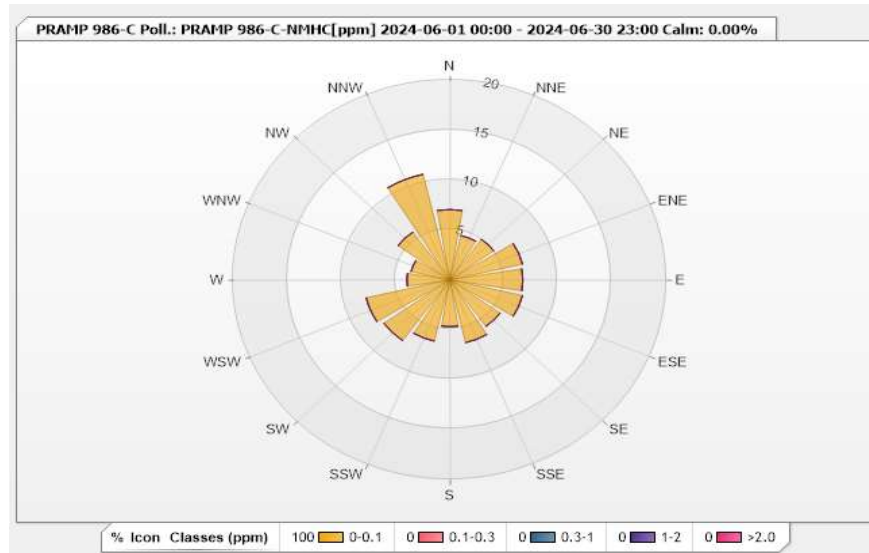


Station: PRAMP 986-C Poll.: PRAMP 986-C-NMHC[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.72% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	7.04	0	0	0	0	7.04
NNE	4.55	0	0	0	0	4.55
NE	4.99	0	0	0	0	4.99
ENE	6.89	0	0	0	0	6.89
E	6.74	0	0	0	0	6.74
ESE	6.89	0	0	0	0	6.89
SE	5.72	0	0	0	0	5.72
SSE	6.45	0	0	0	0	6.45
S	4.69	0	0	0	0	4.69
SSW	6.3	0	0	0	0	6.3
SW	7.48	0	0	0	0	7.48
WSW	7.92	0	0	0	0	7.92
W	3.96	0	0	0	0	3.96
WNW	3.67	0	0	0	0	3.67
NW	5.87	0	0	0	0	5.87
NNW	10.85	0	0	0	0	10.85
Summary	100	0	0	0	0	100



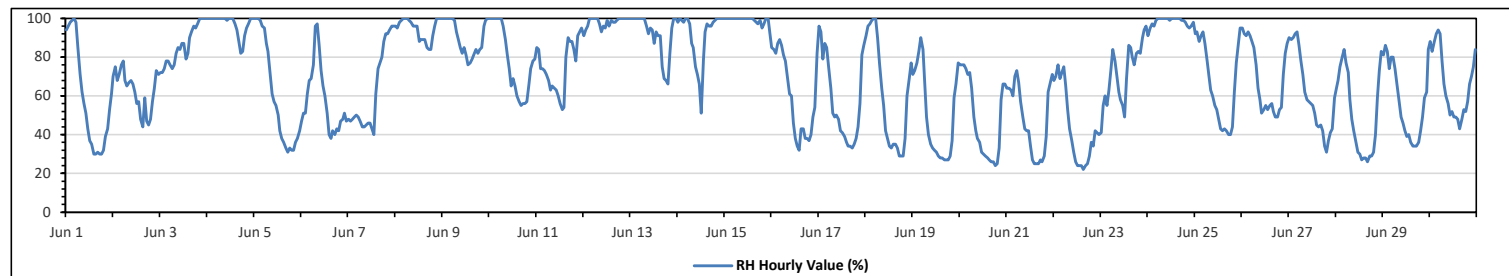
Peace River Area Monitoring Program

986-C Station - June 2024

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:			100	%	on Jun 1 at hr 4			Hours in Service:												720														
Maximum Daily Value:			99.1	%	on Jun 15			Hours of Data:												720														
Minimum Hourly Value:			22	%	on Jun 22 at hr 15			Hours of Missing Data:												0														
Minimum Daily Value:			43.8	%	on Jun 22			Hours of Calibration:												0														
Monthly Average:			70.3	%				Operational Uptime:												100.0														
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average								
Jun 1	94	96	98	99	100	98	85	71	62	56	51	43	37	35	30	30	31	30	30	32	39	43	53	61	30	100	58.5							
Jun 2	70	75	68	71	76	78	68	65	67	68	66	62	56	57	48	44	59	47	45	48	57	64	73	71	44	78	62.6							
Jun 3	72	72	74	78	78	76	74	76	82	85	84	87	87	79	82	90	93	96	95	97	100	100	100	100	72	100	85.7							
Jun 4	100	100	100	100	100	100	100	100	100	100	99	100	100	100	97	94	88	82	83	91	95	97	100	100	82	100	96.9							
Jun 5	100	100	100	99	96	95	87	83	71	61	57	55	50	42	38	36	33	31	33	32	32	36	38	42	31	100	60.3							
Jun 6	47	51	51	61	68	69	76	96	97	86	73	65	60	51	40	38	42	40	43	42	47	48	51	47	38	97	57.9							
Jun 7	48	47	48	49	50	49	47	44	44	45	46	46	43	40	61	74	77	80	88	92	92	94	96	96	40	96	62.3							
Jun 8	96	95	98	99	100	100	100	99	98	96	96	96	88	89	89	89	85	84	84	91	96	100	100	100	84	100	94.5							
Jun 9	100	100	100	100	100	100	99	93	89	85	82	85	81	76	77	79	81	84	82	84	85	96	99	100	76	100	89.9							
Jun 10	100	100	100	100	100	100	100	96	89	81	74	65	69	65	60	57	55	56	56	57	65	74	78	79	55	100	78.2							
Jun 11	85	84	74	74	73	71	68	63	65	64	63	60	56	53	54	80	90	88	88	84	78	91	93	95	53	95	74.8							
Jun 12	91	94	96	100	100	100	100	100	97	93	96	95	99	96	99	98	98	99	100	100	100	100	100	100	91	100	98.0							
Jun 13	100	100	100	100	100	100	100	100	96	92	95	94	87	93	91	91	75	69	68	66	82	95	100	100	66	100	91.4							
Jun 14	98	100	99	98	100	100	100	97	87	85	75	71	66	51	79	93	97	96	96	98	99	100	100	100	51	100	91.0							
Jun 15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99	98	97	99	95	97	100	100	93	93	100	99.1							
Jun 16	85	84	82	87	89	86	81	78	70	61	60	46	38	34	32	43	43	38	38	37	40	49	54	82	32	89	59.9							
Jun 17	96	93	79	87	85	75	64	51	49	50	48	42	41	39	36	34	34	33	35	38	44	56	81	86	33	96	57.3							
Jun 18	91	96	97	99	100	100	90	77	64	55	42	38	34	33	35	35	33	33	29	29	38	60	69	77	29	100	60.4							
Jun 19	71	73	77	83	90	84	68	49	40	35	33	32	31	29	28	28	27	27	27	29	37	59	66	77	27	90	50.0							
Jun 20	76	76	76	74	71	72	64	49	42	38	36	31	30	29	28	27	26	26	24	25	33	58	66	66	24	76	47.6							
Jun 21	64	64	63	60	70	73	67	57	49	43	42	42	34	27	25	25	25	27	26	29	39	62	67	71	25	73	48.0							
Jun 22	68	70	76	69	72	75	65	53	43	37	31	26	24	24	24	22	24	25	29	36	34	42	41	40	22	76	43.8							
Jun 23	41	55	60	55	63	73	84	78	70	62	58	55	49	69	86	85	80	76	82	83	82	90	94	96	41	96	71.9							
Jun 24	91	95	97	96	99	100	100	100	100	100	100	99	100	100	100	100	100	99	99	98	96	95	96	98	91	100	98.3							
Jun 25	92	93	88	91	93	87	78	71	63	60	55	53	48	43	42	43	42	40	40	44	62	77	86	95	40	95	66.1							
Jun 26	95	92	91	93	91	88	85	76	64	58	51	53	55	53	55	56	52	49	49	53	54	71	82	87	49	95	68.9							
Jun 27	90	89	90	92	93	86	78	71	62	58	57	56	55	51	45	44	45	42	34	31	37	41	43	59	31	93	60.4							
Jun 28	64	68	75	80	84	77	72	58	48	42	36	31	30	27	28	28	26	29	29	31	40	59	73	83	26	84	50.8							
Jun 29	81	86	83	74	80	80	74	66	57	49	46	42	39	40	36	34	34	34	36	42	49	59	62	84	34	86	57.0							
Jun 30	88	83	88	92	94	92	78	66	60	56	50	52	49	49	48	43	48	53	52	57	66	70	75	84	43	94	66.4							
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99	100	100	100	100	100	100	100	100							
Diurnal Average	83.1	84.4	84.3	85.3	87.2	86.1	81.6	75.8	70.8	66.4	63.3	60.6	57.4	56.7	56.9	58.1	58.0	56.9	57.4	59.1	63.9	72.9	77.9	82.3										
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.																																		



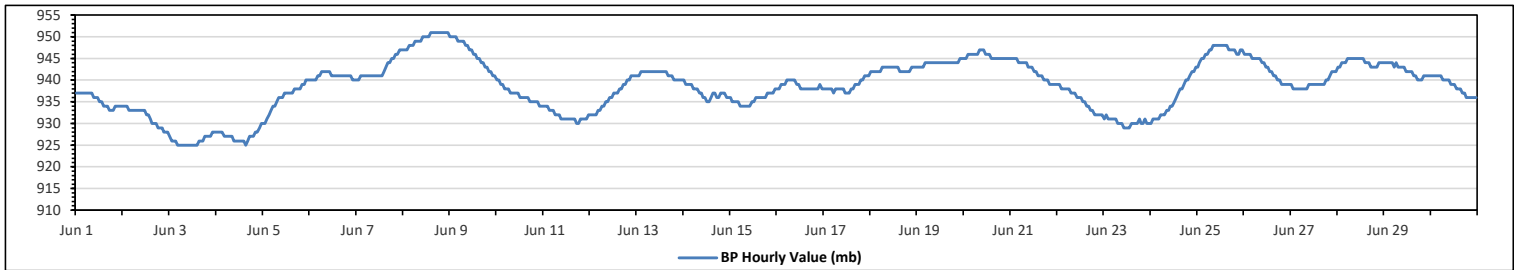
Peace River Area Monitoring Program

986-C Station - June 2024

Summary of Hourly Averages

BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	951	mb	on Jun 8 at hr 14	Hours in Service:	720																											
Maximum Daily Value:	950	mb	on Jun 8	Hours of Data:	720																											
Minimum Hourly Value:	925	mb	on Jun 3 at hr 4	Hours of Missing Data:	0																											
Minimum Daily Value:	926	mb	on Jun 3	Hours of Calibration:	0																											
Monthly Average:	939	mb		Operational Uptime:	100.0																											
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Jun 1	937	937	937	937	937	937	937	937	936	936	936	935	935	934	934	934	933	933	933	934	934	934	934	933	937	935						
Jun 2	934	934	934	933	933	933	933	933	933	933	933	932	932	931	930	930	930	929	929	929	928	928	928	928	928	934	931					
Jun 3	927	926	926	926	925	925	925	925	925	925	925	925	925	925	926	926	926	927	927	927	927	927	928	928	925	928	926					
Jun 4	928	928	928	928	927	927	927	927	926	926	926	926	926	926	925	926	926	927	927	927	928	928	929	930	925	930	927					
Jun 5	930	930	931	932	933	934	934	935	936	936	936	937	937	937	937	937	938	938	938	938	939	939	940	940	930	940	936					
Jun 6	940	940	940	940	941	941	941	942	942	942	942	941	941	941	941	941	941	941	941	941	941	941	940	940	940	940	941					
Jun 7	940	940	941	941	941	941	941	941	941	941	941	941	941	941	942	943	944	944	945	945	946	946	947	947	940	947	943					
Jun 8	947	947	947	948	948	948	949	949	949	949	950	950	950	950	951	951	951	951	951	951	951	951	951	951	947	951	950					
Jun 9	950	950	950	950	949	949	949	949	948	948	947	947	946	946	945	945	944	944	943	943	942	942	941	941	941	941	946					
Jun 10	940	940	939	939	938	938	938	937	937	937	937	937	936	936	936	936	935	935	935	935	935	934	934	934	934	937						
Jun 11	934	934	934	933	933	933	932	932	932	931	931	931	931	931	931	931	930	930	931	931	931	931	932	930	934	932						
Jun 12	932	932	932	932	933	933	934	934	935	935	936	936	937	937	937	938	938	939	939	940	940	941	941	941	932	941	936					
Jun 13	941	941	942	942	942	942	942	942	942	942	942	942	942	942	942	941	941	941	940	940	940	940	940	940	940	940	941					
Jun 14	940	939	939	939	939	938	938	938	937	937	936	936	935	935	936	937	937	936	936	937	937	937	936	936	935	940	937					
Jun 15	936	935	935	935	935	934	934	934	934	934	934	935	935	936	936	936	936	936	936	937	937	937	937	938	934	938	936					
Jun 16	938	938	939	939	939	940	940	940	940	940	939	939	938	938	938	938	938	938	938	938	938	939	938	938	938	940	939					
Jun 17	938	938	938	938	938	937	938	938	938	938	938	937	937	937	938	938	939	939	939	940	940	941	941	941	937	941	939					
Jun 18	942	942	942	942	942	942	943	943	943	943	943	943	943	943	942	942	942	942	942	942	943	943	943	942	943	943						
Jun 19	943	943	943	943	944	944	944	944	944	944	944	944	944	944	944	944	944	944	944	944	944	944	945	945	943	945	944					
Jun 20	945	945	946	946	946	946	946	946	947	947	947	946	946	946	945	945	945	945	945	945	945	945	945	945	945	947	946					
Jun 21	945	945	945	945	944	944	944	944	944	943	943	943	942	942	941	941	941	940	940	940	939	939	939	939	939	945	942					
Jun 22	939	939	938	938	938	938	938	937	937	937	936	936	936	935	935	934	934	933	933	932	932	932	932	932	932	939	935					
Jun 23	931	932	931	931	931	931	931	930	930	930	929	929	929	929	930	930	930	931	930	930	931	930	930	929	932	930	930					
Jun 24	930	931	931	931	931	932	932	932	933	933	934	934	935	936	937	938	938	939	940	940	941	942	942	943	930	943	936					
Jun 25	943	944	945	945	946	946	947	947	948	948	948	948	948	948	948	947	947	947	947	946	946	947	947	943	948	947						
Jun 26	946	946	946	946	945	945	945	945	945	944	944	943	943	942	942	941	941	940	940	939	939	939	939	939	939	946	943					
Jun 27	939	938	938	938	938	938	938	938	938	939	939	939	939	939	939	939	939	939	940	940	941	942	942	938	942	939	939					
Jun 28	943	943	944	944	944	945	945	945	945	945	945	945	945	945	944	944	944	943	943	943	943	944	944	944	943	945	944					
Jun 29	944	944	944	944	944	943	944	943	943	943	943	942	942	942	942	941	941	940	940	940	941	941	941	941	940	944	942					
Jun 30	941	941	941	941	941	941	940	940	940	940	939	939	939	938	938	938	937	937	936	936	936	936	936	936	936	936	941	939				
Diurnal Maximum	950	950	950	950	949	949	949	949	949	949	950	950	950	950	951	951	951	951	951	951	951	951	951	951	951	951	951					
Diurnal Average	939	939	939	939	939	939	939	939	939	939	939	939	939	939	938	938	938	938	938	938	938	939	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									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
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.																																



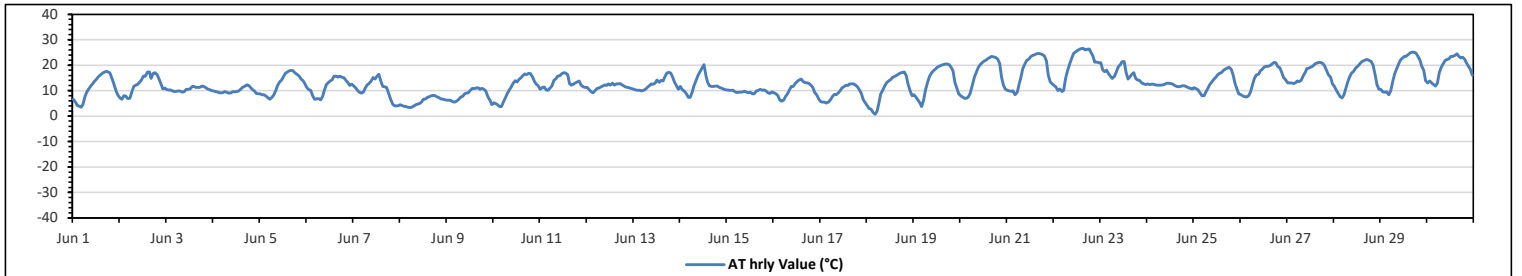
Peace River Area Monitoring Program

986-C Station - June 2024

Summary of Hourly Averages

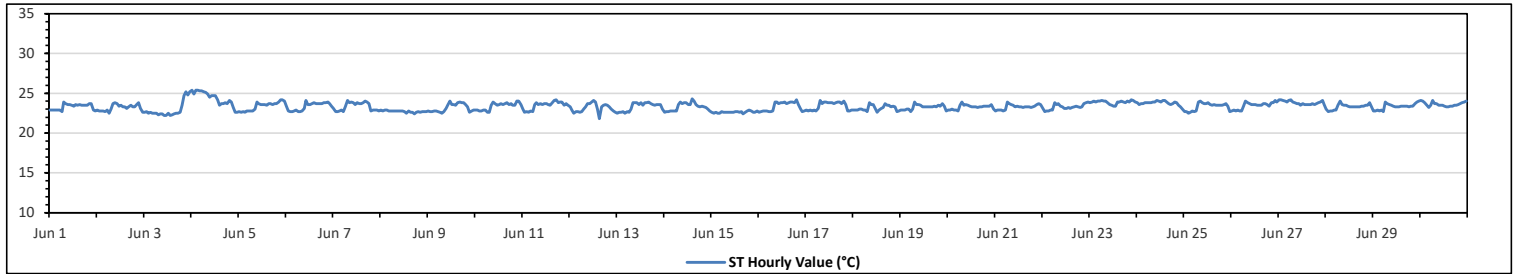
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	26.6	°C	on Jun 22 at hr 15	Hours in Service:	720																																		
Maximum Daily Value:	20.2	°C	on Jun 22	Hours of Data:	720																																		
Minimum Hourly Value:	0.7	°C	on Jun 18 at hr 4	Hours of Missing Data:	0																																		
Minimum Daily Value:	5.7	°C	on Jun 8	Hours of Calibration:	0																																		
Monthly Average:	13.0	°C		Operational Uptime:	100.0																																		
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average													
Jun 1	6.6	5.5	4.2	3.9	3.5	4.4	7.9	9.6	10.8	11.9	12.8	13.8	14.6	15.5	16.2	16.9	17.3	17.6	17.4	16.8	14.4	12.2	9.7	8.2	3.5	17.6	11.3												
Jun 2	7	6.6	8	7.9	6.9	7	9.5	11.7	12.2	12.4	13.3	14.2	15.7	15.7	17.4	17.3	14.9	16.7	17.1	16.3	14.6	12.7	10.7	11	6.6	17.4	12.4												
Jun 3	10.4	10.3	10.3	9.8	9.6	9.7	9.9	9.7	9.4	9.6	10.5	10.5	10.7	11.7	11.6	11.2	11.2	11.2	11.8	11.7	11.1	10.7	10.4	10	9.4	11.8	10.5												
Jun 4	9.8	9.6	9.5	9.2	9.1	9.3	9.6	9.3	9	9.2	9.6	9.5	9.6	9.9	10.6	11.2	11.6	12.3	12.1	11.3	10.5	9.8	8.9	8.7	8.7	12.3	10.0												
Jun 5	8.7	8.4	8.3	7.9	7.2	6.6	7.3	8.4	10.2	12.2	13.5	14.2	15.5	16.8	17.3	17.8	17.9	17.8	17	16.4	15.7	14.6	13.9	12.6	6.6	17.9	12.8												
Jun 6	11.1	10.4	10.2	8	6.7	6.8	6.9	6.4	7.6	9.9	12.4	13.2	13.8	14.3	15.7	15.7	15.3	15.7	15.3	15	14	13.2	12.1	12.5	6.4	15.7	11.8												
Jun 7	11.9	11.1	10.2	9.4	9	9.5	10.9	12.2	12.8	13.7	15.1	14.5	15.7	16.4	13.7	11.7	11.5	11.3	8.8	6.5	4.7	4.1	4	4.1	4.0	16.4	10.5												
Jun 8	4.4	4.1	3.9	3.8	3.5	3.3	3.5	4	4.4	4.7	5	5.6	6.6	6.8	7.3	7.7	8	8.2	8.1	7.5	7.2	6.8	6.6	6.4	3.3	8.2	5.7												
Jun 9	6.3	6.3	6.1	5.6	5.5	5.8	6.5	7.5	7.8	8.7	9	9.2	10.1	10.9	10.8	11	11.1	10.6	10.9	10.5	9.9	7.5	6.3	4.5	4.5	11.1	8.3												
Jun 10	5.3	5	4.5	3.7	3.7	5.5	7.4	8.8	10.1	11.3	12.8	13.9	13.5	14.4	15	15.9	16.5	16.3	16.8	16.6	15.1	13.5	12.5	11.9	3.7	16.8	11.3												
Jun 11	10.6	11.2	11.4	10.3	10.1	11	11.9	14	14.7	15.7	16	16.7	17.1	17	16.3	12.7	12.2	12.5	13	13.5	13.8	12.2	11.5	11.2	10.1	17.1	13.2												
Jun 12	11.3	10.4	9.6	9.1	9.8	10.8	11	11.4	11.8	12.3	12	12.7	12.2	12.9	12.2	12.7	12.7	12.8	12.3	11.8	11.4	11.2	11	10.8	9.1	12.9	11.5												
Jun 13	10.5	10.3	10.2	10.1	9.9	10.1	10.5	11.2	11.9	12.7	12.5	12.9	14.1	13.3	14	13.7	15.6	16.9	17.2	17	15.3	13.3	11.6	10.5	9.9	17.2	12.7												
Jun 14	11.6	10.4	9.7	8.8	7.3	7.4	9.4	12.1	13.9	15.9	17.4	18.7	20.2	15.9	13.5	11.9	11.6	11.7	11.8	11.8	11.3	11	10.7	10.4	7.3	20.2	12.3												
Jun 15	10.3	10.2	10.2	10.1	9.5	9.3	9.4	9.4	9.5	9.7	9.4	9.2	9.4	8.7	8.8	9.9	10.1	10.5	10.1	10.3	9.9	9.2	8.9	9.5	8.7	10.5	9.6												
Jun 16	9.2	8.7	8	6.5	5.9	6.3	7.8	8.8	10.3	11.7	11.6	12.8	13.6	14.2	14.5	13.6	13.2	13.1	12.9	12.2	11.2	9.3	8.4	6.7	5.9	14.5	10.4												
Jun 17	5.7	5.5	5.5	5.1	5.5	6.4	7.7	8.5	8.4	9	9.8	11	11.5	12.2	12.1	12.6	12.6	12.6	12.2	11.4	10.3	8.8	6.4	5.3	5.1	12.6	9.0												
Jun 18	4.1	3	2.8	1.4	0.7	1.9	5.4	8.6	10.3	11.9	13.2	13.8	14.4	15.2	15.6	15.9	16.4	17	17.2	17.3	15.9	12.4	10	8.1	0.7	17.3	10.5												
Jun 19	8.3	7.5	6.3	5.1	3.8	6.1	10.2	13.4	15.7	17	17.8	18.5	19.1	19.6	20	20.2	20.4	20.4	20.2	19.5	17.8	13.3	11	8.8	3.8	20.4	14.2												
Jun 20	8	7.5	7	7	7.5	9	12.4	15.3	17.2	19	20.3	21	21.6	22	22.6	23.1	23.4	23.2	23	22.3	20.7	15.1	12.1	10.5	7.0	23.4	16.3												
Jun 21	10.2	9.8	9.7	9.9	8.3	9.4	12.6	15.6	18.6	20.5	22	22.3	23.3	23.8	24.2	24.5	24.6	24.4	24.3	23.6	21.7	16.1	13.5	12.6	8.3	24.6	17.7												
Jun 22	12	11.4	10	10.7	9.6	10.2	14.9	17.8	20.5	22.7	24.6	25.3	25.7	26.2	26.5	26.6	26	26.2	26.4	24.8	23.7	21.2	21.2	21	9.6	26.6	20.2												
Jun 23	20.9	18.2	17.5	18.1	16.7	15.7	14.9	15.7	17.6	19.5	20.3	21.3	21.5	17.2	14.6	15.4	16.4	17.1	14.9	14.2	14	13	12.6	12.4	12.4	21.5	16.7												
Jun 24	12.7	12.4	12.5	12.5	12.3	12.2	12.2	12.2	12.3	12.5	12.9	12.9	12.8	12.5	12.1	11.7	11.5	11.6	11.9	11.9	11.5	11.1	10.9	10.7	10.7	12.9	12.1												
Jun 25	11.1	10.8	10.3	9.1	8	8.1	9.4	10.8	12.3	13.3	14.4	15.2	16.2	16.8	17.1	17.9	18.4	18.8	19.1	18.3	16	13.1	10.8	8.8	8.0	19.1	13.5												
Jun 26	8.3	7.9	7.7	7.5	8	9.5	12.3	14.8	16.2	16.4	17.8	18.5	19.1	19.6	19.6	19.9	20.4	21.1	20.9	19.4	19	17.3	15.2	14.2	7.5	21.1	15.4												
Jun 27	13	13.1	13	12.8	13	13.7	13.6	14	16	17.2	18.7	18.8	19.2	19.7	20.4	20.8	21.1	21.1	20.7	19.9	18	16.3	15.3	12.7	12.7	21.1	16.8												
Jun 28	11.7	10.4	8.9	7.7	7.1	8.4	11	13.6	15.6	17	17.6	18.8	19.6	20.4	21.3	21.7	22.1	22.2	21.8	21.5	20	15.8	12.4	10.6	7.1	22.2	15.7												
Jun 29	10.5	9.5	9.4	9.5	8.4	9.8	13.4	16.4	18.5	20.2	21.9	22.9	23.4	23.5	24.2	24.8	25.1	25.1	24.7	23.5	22.1	19.6	18	13.9	8.4	25.1	18.3												
Jun 30	13	13.7	13	12.4	11.8	13.1	17.2	19.1	20.5	21.8	22.4	22.5	23.4	23.5	23.8	24.4	23.5	22.9	23	22.3	20.8	19.6	18.3	16.1	11.8	24.4	19.3												
Diurnal Maximum	20.9	18.2	17.5	18.1	16.7	15.7	17.2	19.1	20.5	22.7	24.6	25.3	25.7	26.2	26.5	26.6	26.0	26.2	26.4	24.8	23.7	21.2	21.2	21.0															
Diurnal Average	9.8	9.3	8.9	8.4	7.9	8.5	10.2	11.7	12.9	14.0	14.9	15.5	16.1	16.2	16.3	16.3	16.4	16.6	16.4	15.8	14.7	12.8	11.5	10.5															
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.																																							



Peace River Area Monitoring Program
986-C Station - June 2024
Summary of Hourly Averages
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	25.4	°C	on Jun 4 at hr 0	Hours in Service:	720																								
Maximum Daily Value:	24.4	°C	on Jun 4	Hours of Data:	720																								
Minimum Hourly Value:	21.8	°C	on Jun 12 at hr 15	Hours of Missing Data:	0																								
Minimum Daily Value:	22.6	°C	on Jun 15	Hours of Calibration:	0																								
Monthly Average:	23.4	°C		Operational Uptime:	100.0																								
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average			
Jun 1	22.9	22.9	22.9	22.9	22.9	22.7	23.9	23.7	23.6	23.5	23.4	23.6	23.5	23.6	23.5	23.5	23.5	23.7	23.7	22.9	22.8	22.7	23.9	23.3					
Jun 2	22.9	22.8	22.8	22.8	22.7	22.9	22.5	23.0	23.7	23.8	23.7	23.4	23.5	23.3	23.3	23.1	23.3	23.5	23.3	23.3	23.6	23.8	23.1	22.6	22.5	23.8	23.2		
Jun 3	22.6	22.7	22.5	22.6	22.5	22.5	22.5	22.3	22.4	22.4	22.2	22.2	22.5	22.2	22.3	22.4	22.5	22.5	22.6	23.5	24.7	25.2	24.8	25.2	22.2	25.2	22.9		
Jun 4	25.4	24.9	25.4	25.4	25.3	25.3	25.2	25.1	24.9	24.5	24.7	24.7	24.7	24.2	23.5	23.7	23.7	23.8	23.7	24.1	23.9	23.2	22.6	22.6	22.6	25.4	24.4		
Jun 5	22.7	22.6	22.7	22.6	22.8	22.8	22.8	22.8	23.0	23.9	23.7	23.6	23.6	23.6	23.5	23.7	23.7	23.6	23.7	23.7	23.9	24.2	24.2	24.0	22.6	24.2	23.4		
Jun 6	23.4	22.8	22.7	22.7	22.8	22.9	22.7	22.7	22.8	23.1	24.1	23.6	23.6	23.7	23.8	23.7	23.7	23.7	23.7	23.8	23.8	23.9	23.7	23.4	22.7	24.1	23.4		
Jun 7	23.1	22.7	22.7	22.8	22.9	22.7	23.3	24.1	23.8	23.9	23.8	23.6	23.8	23.7	23.7	23.8	24.0	23.9	23.7	22.8	22.9	22.9	22.9	22.8	22.7	24.1	23.3		
Jun 8	22.9	22.8	22.9	22.9	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.7	22.5	22.8	22.8	22.6	22.4	22.6	22.7	22.6	22.7	22.7	22.7	22.7	22.4	22.9	22.7		
Jun 9	22.8	22.7	22.7	22.8	22.8	22.7	22.6	22.5	22.7	23.1	23.6	24.0	23.6	23.6	23.5	23.8	23.9	23.8	23.8	23.6	23.3	22.6	22.8	22.9	22.5	24.0	23.2		
Jun 10	22.9	22.9	22.8	22.8	22.9	22.9	22.6	22.6	23.5	23.9	23.7	23.5	23.6	23.7	23.6	23.7	23.8	23.6	23.7	23.5	23.5	24.0	24.0	23.6	22.6	24.0	23.4		
Jun 11	23.0	22.6	22.7	22.6	22.8	22.7	23.6	23.8	23.6	23.7	23.6	23.7	23.7	23.7	23.6	23.5	23.8	24.1	24.2	23.8	23.9	23.9	23.5	23.7	22.5	22.6	24.2	23.5	
Jun 12	23.3	22.9	22.5	22.7	22.7	22.6	22.7	23.0	23.3	23.7	23.7	23.9	24.1	23.9	23.0	21.8	23.3	23.5	23.6	23.5	23.3	23.0	22.8	22.6	21.8	24.1	23.1		
Jun 13	22.5	22.6	22.6	22.7	22.5	22.7	22.6	23.0	23.8	23.8	23.8	23.6	23.8	23.5	23.8	23.8	23.9	23.7	23.6	23.5	23.6	23.6	23.6	23.0	22.5	23.9	23.3		
Jun 14	22.6	22.7	22.7	22.8	22.8	22.8	22.8	23.6	23.9	23.7	23.8	23.8	23.6	23.6	24.3	24.0	23.6	23.4	23.3	23.4	23.3	23.2	23.0	22.8	22.6	24.3	23.3		
Jun 15	22.6	22.5	22.6	22.5	22.5	22.7	22.6	22.6	22.6	22.6	22.6	22.6	22.7	22.7	22.6	22.7	22.4	22.6	22.8	22.9	22.8	22.6	22.6	22.8	22.4	22.9	22.6		
Jun 16	22.6	22.7	22.8	22.8	22.8	22.7	22.7	22.8	23.9	23.9	23.7	23.8	23.8	23.9	23.7	23.8	23.9	23.9	23.8	24.2	23.6	23.0	22.7	22.8	22.6	24.2	23.3		
Jun 17	22.9	22.8	22.9	22.8	22.9	22.8	23.1	24.1	23.7	23.9	23.9	23.8	23.8	23.8	23.7	23.8	23.9	23.9	23.7	24.0	23.6	22.8	22.8	22.9	22.8	24.1	23.4		
Jun 18	22.9	22.9	22.9	23.0	23.0	22.9	22.9	22.7	23.8	23.6	23.6	23.1	22.6	22.9	23.1	23.2	23.7	23.5	23.5	24.3	23.4	23.3	22.7	22.8	22.6	23.8	23.1		
Jun 19	22.9	22.9	22.9	23.0	23.0	22.7	23.0	23.9	23.6	23.6	23.5	23.3	23.3	23.3	23.3	23.3	23.3	23.4	23.3	23.5	23.4	23.7	23.4	22.8	22.7	23.9	23.3		
Jun 20	22.9	22.9	23.0	22.9	22.9	22.9	22.8	23.5	23.9	23.5	23.6	23.5	23.4	23.3	23.3	23.3	23.2	23.3	23.3	23.4	23.4	23.4	23.6	23.0	22.8	23.9	23.3		
Jun 21	22.8	22.9	22.9	22.9	22.8	22.9	23.9	23.7	23.6	23.5	23.3	23.4	23.3	23.3	23.2	23.3	23.3	23.3	23.2	23.3	23.4	23.6	23.7	23.6	22.8	23.9	23.3		
Jun 22	23.1	22.7	22.8	22.8	22.9	22.9	23.8	23.6	23.7	23.4	23.3	23.1	23.1	23.2	23.1	23.2	23.3	23.4	23.3	23.2	23.3	23.7	23.8	23.9	22.7	23.9	23.3		
Jun 23	23.8	23.9	24.0	23.9	24.0	24.0	24.1	24.0	24.0	23.8	23.6	23.5	23.4	23.4	23.9	23.9	24.0	23.9	23.8	24.0	23.9	24.2	24.1	23.9	23.4	24.2	23.9		
Jun 24	23.8	23.6	23.7	23.7	23.8	23.8	23.8	23.8	23.9	23.9	24.1	24.0	23.9	24.1	24.1	23.9	23.7	23.6	23.7	23.9	23.8	23.5	23.3	23.0	23.0	24.1	23.8		
Jun 25	22.7	22.7	22.5	22.6	22.8	22.7	22.8	23.9	24.0	23.8	23.7	23.7	23.8	23.6	23.5	23.6	23.5	23.5	23.5	23.5	23.6	23.7	23.4	22.7	22.5	24.0	23.3		
Jun 26	22.8	22.9	22.8	22.9	22.8	22.8	23.4	24.0	23.8	23.7	23.6	23.6	23.6	23.5	23.5	23.5	23.7	23.7	23.6	23.4	23.8	23.8	24.1	23.9	22.8	24.1	23.5		
Jun 27	24.2	24.2	24.1	24.0	23.9	24.1	24.2	23.9	23.8	23.7	23.7	23.5	23.7	23.6	23.5	23.6	23.6	23.6	23.7	23.6	23.7	23.8	23.9	24.1	23.6	23.5	24.2	23.8	
Jun 28	23.0	22.7	22.8	22.8	22.9	22.9	23.5	24.0	23.6	23.5	23.5	23.4	23.3	23.3	23.3	23.3	23.3	23.3	23.4	23.4	23.5	23.5	23.8	23.3	22.7	24.0	23.3		
Jun 29	22.8	22.8	22.9	22.8	22.9	22.7	23.9	23.7	23.6	23.5	23.4	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.3	23.4	23.4	23.7	23.9	24.0	22.7	24.0	23.3		
Jun 30	24.1	24.0	23.8	23.5	23.2	23.5	24.1	23.7	23.7	23.5	23.5	23.5	23.4	23.3	23.3	23.4	23.4	23.5	23.5	23.6	23.7	23.8	23.9	24.0	23.2	24.1	23.6		
Diurnal Maximum	25.4	24.9	25.4	25.4	25.3	25.3	25.2	25.1	24.9	24.5	24.7	24.7	24.7	24.2	24.3	24.0	24.1	24.2	23.8	24.2	24.7	25.2	24.8	25.2					
Diurnal Average	23.1	23.0	23.0	23.0	23.0	23.0	23.2	23.5	23.6	23.6	23.6	23.5	23.5	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.4	23.3					
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.																													



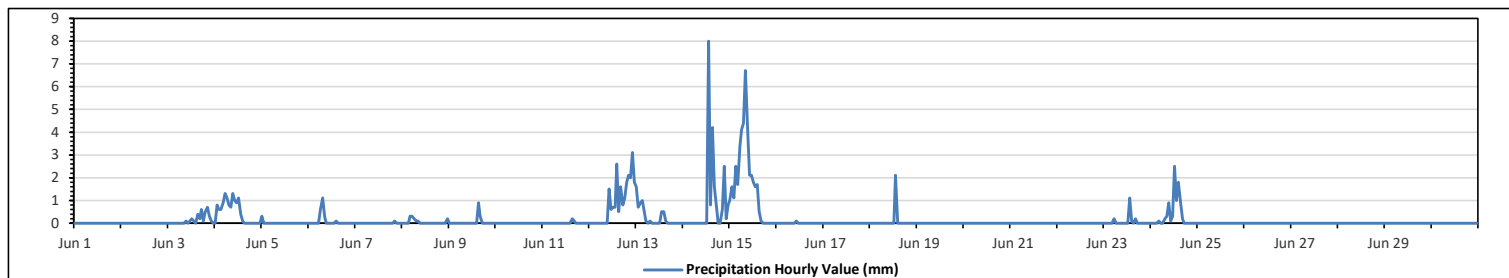
Peace River Area Monitoring Program

986-C Station - June 2024

Summary of Hourly Averages

PRECIPITATION in mm

Maximum Hourly Value:	8.0	mm	on Jun 14 at hr 13	Hours in Service:	720																																														
Maximum Daily Value:	40.5	mm	on Jun 15	Hours of Data:	720																																														
Minimum Hourly Value:	0.0	mm	on Jun 1 at hr 0	Hours of Missing Data:	0																																														
Minimum Daily Value:	0.0	mm	on Jun 1	Hours of Calibration:	0																																														
Monthly Total:	119.2	mm		Operational Uptime:	100.0																																														
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Total																									
Jun 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																									
Jun 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																									
Jun 3	0	0	0	0	0	0	0	0	0	0.1	0	0.1	0.2	0.1	0	0.4	0.2	0.6	0.1	0.5	0.7	0.3	0.1	0	0.0	0.7	3.4																								
Jun 4	0	0.8	0.6	0.6	0.9	1.3	1.1	0.8	0.7	1.3	1	0.9	1.1	0.4	0.1	0	0	0	0	0	0	0	0	0	0.0	1.3	11.6																								
Jun 5	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3	0.3																								
Jun 6	0	0	0	0	0	0	0.6	1.1	0.3	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0.0	1.1	2.1																								
Jun 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0.0	0.1	0.1																								
Jun 8	0	0	0	0	0.3	0.3	0.2	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0	0.3	1.2																								
Jun 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	0.3	0	0	0	0	0	0	0	0.0	0.9	1.2																								
Jun 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																								
Jun 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.1	0	0	0	0	0	0	0	0.0	0.2	0.3																								
Jun 12	0	0	0	0	0	0	0	0	0	0	1.5	0.6	0.7	0.7	2.6	0.5	1.6	0.8	1.1	1.8	2.1	2	3.1	1.8	0.0	3.1	20.9																								
Jun 13	1.6	0.7	0.9	1	0.5	0.1	0	0.1	0	0	0	0	0	0	0.5	0.5	0.1	0	0	0	0	0	0	0	0.0	1.6	6.0																								
Jun 14	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0.8	4.2	1.6	0.8	0	0	0.6	2.5	0.2	0.8	0.0	8.0	19.5																								
Jun 15	1	1.6	1.1	2.5	1.7	3.4	4.1	4.4	6.7	4.1	2.1	2.1	1.8	1.6	1.7	0.5	0.1	0	0	0	0	0	0	0	0.0	6.7	40.5																								
Jun 16	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1																								
Jun 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																								
Jun 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1	0	0	0	0	0	0	0	0	0	0.0	2.1	2.1																								
Jun 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																								
Jun 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																								
Jun 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																								
Jun 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																								
Jun 23	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	1.1	0.1	0	0.2	0	0	0	0	0	0	0.0	1.1	1.6																								
Jun 24	0	0	0	0	0.1	0	0	0.2	0.3	0.9	0.1	0.3	2.5	1	1.8	0.9	0.2	0	0	0	0	0	0	0	0.0	2.5	8.3																								
Jun 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																								
Jun 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																								
Jun 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																								
Jun 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																								
Jun 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																								
Jun 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																								
Diurnal Maximum	1.6	1.6	1.1	2.5	1.7	3.4	4.1	4.4	6.7	4.1	2.1	2.1	2.5	8.0	2.6	4.2	1.6	0.8	1.1	1.8	2.1	2.5	3.1	1.8																											
Diurnal Average	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.2	0.5	0.3	0.3	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1																											
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance																												
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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.																																																			



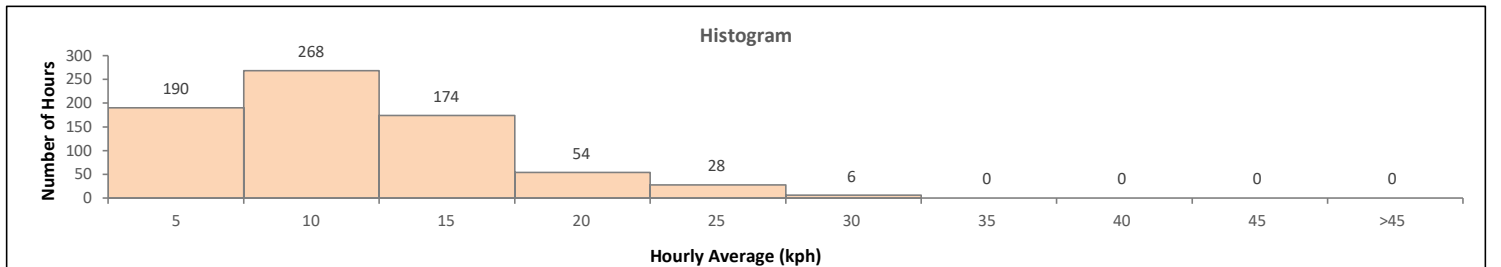
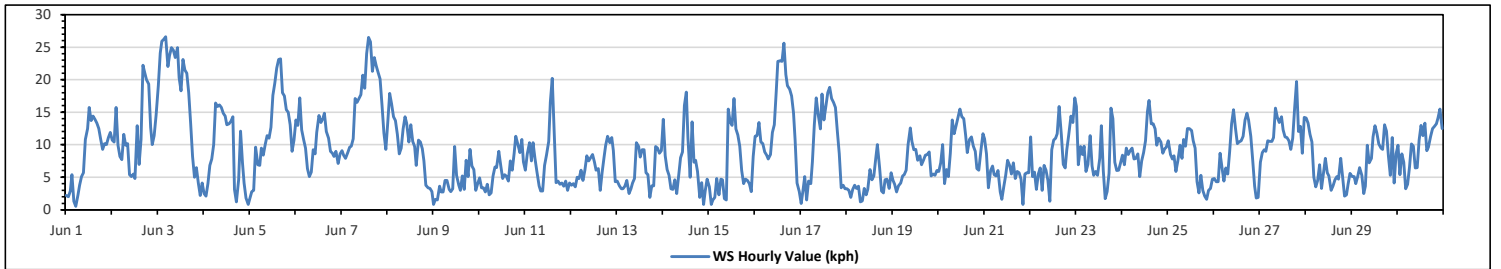
Peace River Area Monitoring Program

986-C Station - June 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	26.6	kph	on Jun 3 at hr 4	Hours in Service:	720																											
Maximum Daily Value:	18.0	kph	on Jun 3	Hours of Data:	720																											
Minimum Hourly Value:	0.5	kph	on Jun 1 at hr 5	Hours of Missing Data:	0																											
Minimum Daily Value:	4.1	kph	on Jun 18	Hours of Calibration:	0																											
Monthly Average:	0.9	kph		Operational Uptime:	100.0																											
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Jun 1	2.2	2.0	2.9	5.4	1.3	0.5	2.3	3.8	5.1	5.7	10.8	12.5	15.7	13.7	14.4	13.9	13.3	12.5	10.8	9.3	10.2	10.0	11.1	11.9	0.5	15.7	8.4					
Jun 2	10.7	10.4	15.7	9.9	8.2	7.7	11.6	9.9	10.2	5.4	5.1	5.5	4.8	12.9	7.0	10.8	22.2	21.2	20.0	19.3	12.7	10.0	11.4	14.5	4.8	22.2	11.5					
Jun 3	19.1	24.1	25.9	26.2	26.6	22.0	23.7	24.9	24.5	23.4	24.9	20.3	18.3	23.1	21.5	21.0	18.0	13.3	8.2	5.0	6.5	4.1	2.2	4.1	2.2	26.6	18.0					
Jun 4	2.5	2.1	4.0	6.8	7.8	10.0	16.4	15.9	16.1	15.7	14.8	14.4	13.1	13.2	13.6	14.3	3.1	1.2	4.6	12.1	7.2	4.1	1.8	0.8	0.8	16.4	9.0					
Jun 5	1.9	2.8	3.0	9.6	6.9	6.8	9.5	8.4	10.0	11.4	11.0	12.7	17.6	19.5	21.8	23.1	23.2	18.0	17.5	15.4	15.0	13.1	9.0	10.7	1.9	23.2	12.4					
Jun 6	13.8	13.0	17.2	12.3	10.8	9.5	6.3	5.1	5.8	9.2	8.6	11.9	14.5	13.4	14.0	14.8	12.0	11.0	9.0	8.7	8.2	9.0	7.1	8.6	5.1	17.2	10.6					
Jun 7	9.1	8.4	7.9	8.8	9.6	9.8	10.9	17.1	16.5	17.2	17.7	20.7	18.7	24.0	26.5	25.8	21.3	23.4	22.1	21.1	20.1	16.1	11.8	9.3	7.9	26.5	16.4					
Jun 8	13.4	17.9	16.3	14.3	13.7	11.6	8.6	9.5	12.4	14.3	13.3	10.4	13.1	10.5	9.7	6.8	10.7	10.4	9.4	7.5	3.8	3.4	3.3	2.8	2.8	17.9	10.3					
Jun 9	0.8	1.6	1.5	3.6	2.7	2.7	4.5	4.5	3.1	2.8	3.2	9.7	5.3	3.8	3.0	5.2	3.1	7.6	5.1	9.3	6.7	6.2	3.0	4.0	0.8	9.7	4.3					
Jun 10	4.9	3.4	3.4	2.7	3.9	2.3	2.6	5.2	6.6	6.5	9.0	6.8	4.8	5.4	5.2	4.4	7.5	6.1	8.7	11.3	10.2	8.8	10.8	7.4	2.3	11.3	6.2					
Jun 11	6.1	8.6	10.3	7.5	10.3	7.9	5.9	3.7	2.9	6.8	8.4	10.5	16.5	20.2	12.1	4.2	4.4	3.9	4.1	3.6	4.4	3.0	4.1	2.9	20.2	7.2						
Jun 12	3.8	4.0	3.5	5.0	4.8	6.1	4.5	6.1	8.3	7.5	8.0	8.5	7.3	6.1	6.3	3.0	5.8	8.1	9.9	11.3	10.3	11.1	9.1	4.3	3.0	11.3	6.8					
Jun 13	4.4	3.7	3.2	3.2	3.6	4.5	2.5	3.2	4.1	4.8	10.3	9.7	8.1	9.2	9.2	5.7	5.4	1.9	3.7	3.7	9.7	9.5	8.7	9.1	1.9	10.3	5.9					
Jun 14	13.9	8.3	6.2	5.3	3.2	3.1	4.6	2.5	5.2	8.0	8.9	16.0	18.1	11.1	5.0	13.5	7.3	7.6	5.9	1.9	4.2	0.8	2.9	4.7	0.8	18.1	7.0					
Jun 15	3.5	0.8	1.5	1.9	4.8	2.3	4.7	4.6	1.7	1.5	15.5	13.5	13.0	17.1	12.4	11.5	9.8	6.0	4.0	4.7	4.5	4.0	2.8	8.2	0.8	17.1	6.4					
Jun 16	11.3	11.4	13.4	10.4	10.2	8.9	8.4	7.8	8.5	11.9	13.1	18.2	22.8	22.9	22.8	25.6	20.8	19.1	18.5	17.5	14.9	10.7	4.1	2.8	2.8	25.6	14.0					
Jun 17	1.0	3.1	5.1	1.5	4.4	4.0	7.4	13.1	17.2	14.7	12.4	17.8	13.8	15.9	18.0	18.8	17.1	16.5	15.7	12.0	8.6	3.4	3.8	3.2	1.0	18.8	10.4					
Jun 18	3.2	3.0	1.9	3.1	3.8	3.3	3.6	1.2	1.4	3.3	2.3	3.1	6.2	4.6	5.2	7.9	10.0	6.5	2.9	2.6	4.6	4.7	3.3	5.7	1.2	10.0	4.1					
Jun 19	4.5	3.9	2.7	3.7	4.1	5.2	5.4	6.1	10.0	12.6	10.5	9.2	9.3	7.6	8.3	6.9	7.6	8.4	8.5	8.9	5.2	5.5	5.3	6.0	2.7	12.6	6.9					
Jun 20	5.9	7.2	10.0	4.0	6.2	5.1	8.7	13.8	11.7	12.9	14.2	15.5	14.3	14.0	11.4	8.8	10.8	11.2	9.8	9.0	6.3	6.1	9.3	11.7	4.0	15.5	9.9					
Jun 21	10.9	8.6	3.4	6.0	6.7	5.4	5.2	6.0	2.7	1.6	3.5	5.3	7.6	6.7	5.5	7.2	4.8	5.9	5.7	4.7	0.8	5.5	5.7	5.7	0.8	10.9	5.5					
Jun 22	11.2	5.1	5.8	3.1	5.5	6.4	3.0	6.8	6.1	4.5	1.3	9.2	10.7	11.0	11.7	15.9	11.5	7.0	6.4	9.2	11.5	14.4	13.4	17.2	1.3	17.2	8.7					
Jun 23	15.9	6.9	9.7	8.5	9.8	5.9	7.0	11.4	6.7	5.3	5.9	5.3	7.9	12.9	6.0	1.7	2.8	5.6	15.6	14.0	7.3	6.0	6.1	7.2	1.7	15.9	8.0					
Jun 24	8.4	6.9	9.5	8.5	9.1	9.5	7.8	7.9	8.6	5.1	7.5	8.8	10.6	15.1	16.8	13.2	13.2	12.4	9.9	11.0	10.4	8.7	9.4	9.6	5.1	16.8	9.9					
Jun 25	10.6	8.5	7.8	8.3	5.9	7.5	9.9	7.9	10.8	9.8	12.5	12.5	12.2	10.6	9.5	4.3	2.6	5.3	3.0	2.1	1.6	3.0	3.3	4.7	1.6	12.5	7.3					
Jun 26	4.8	4.3	4.3	8.7	6.5	4.4	6.4	5.5	9.0	13.2	15.4	12.6	10.2	10.4	10.6	11.3	13.8	14.8	13.8	11.3	7.6	3.6	1.8	1.9	1.8	15.4	8.6					
Jun 27	7.3	8.8	9.2	9.0	10.6	10.5	10.5	11.1	15.6	14.2	13.4	14.3	12.3	11.2	11.1	10.6	9.3	11.0	15.6	19.7	12.0	12.8	8.7	14.2	7.3	19.7	11.8					
Jun 28	14.1	13.3	11.6	10.4	5.0	3.5	4.5	6.9	3.3	5.6	7.9	5.7	5.2	3.0	3.7	4.6	5.1	4.7	7.9	5.0	2.1	2.3	3.9	5.6	2.1	14.1	6.0					
Jun 29	5.1	5.1	4.0	5.1	6.5	5.3	2.5	3.6	9.9	7.2	7.9	11.2	12.9	11.8	10.1	9.5	9.3	13.1	12.1	8.3	5.3	11.1	4.1	8.6	2.5	13.1	7.9					
Jun 30	9.9	5.4	8.6	7.3	3.2	3.9	6.6	10.1	9.8	6.4	6.5	10.7	13.0	11.4	13.3	9.1	9.6	11.3	12.5	12.8	13.2	14.1	15.5	12.5	3.2	15.5	9.9					
Diurnal Maximum	19.1	24.1	25.9	26.2	26.6	22.0	23.7	24.9	24.5	23.4	24.9	20.7	22.8	24.0	26.5	25.8	23.2	23.4	22.1	21.1	20.1	16.1	15.5	17.2								
Diurnal Average	7.8	7.1	7.7	7.3	7.2	6.5	7.2	8.1	8.8	8.8	10.1	11.3	11.7	12.3	11.8	11.4	10.5	10.2	10.0	9.8	8.1	7.6	6.5	7.4								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
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.																																

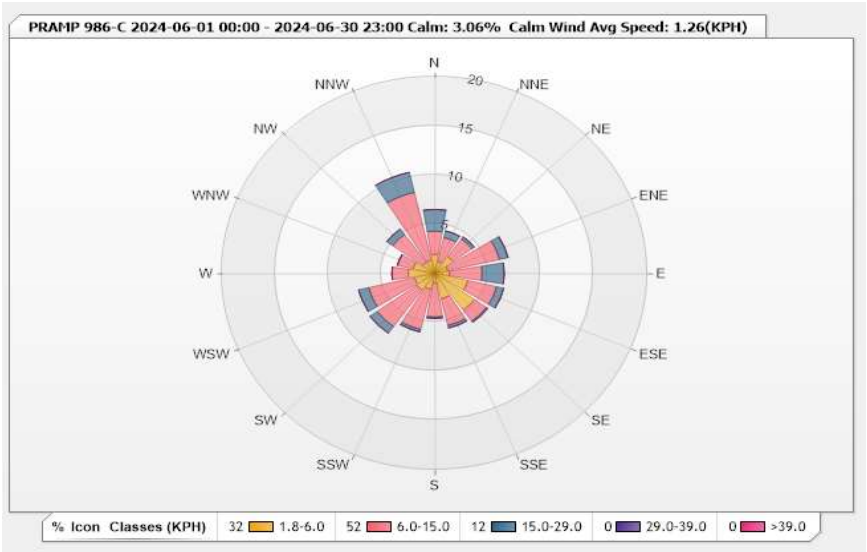


Station: PRAMP 986-C Monitor: WDS [KPH] Monthly: 06-2024

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

Calm (WS<1.8kph): 3.06% 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	1.94	2.36	2.22	0	0	6.52
NNE	1.25	2.5	0.69	0	0	4.44
NE	2.08	2.22	0.28	0	0	4.58
ENE	1.25	5	0.83	0	0	7.08
E	1.39	3.06	2.08	0	0	6.53
ESE	3.19	2.78	0.69	0	0	6.66
SE	4.58	1.39	0.14	0	0	6.11
SSE	2.64	2.78	0.28	0	0	5.7
S	0.97	3.47	0.14	0	0	4.58
SSW	1.67	4.17	0.28	0	0	6.12
SW	2.08	4.58	0.83	0	0	7.49
WSW	1.94	4.44	0.97	0	0	7.35
W	2.5	1.53	0	0	0	4.03
WNW	2.08	1.53	0	0	0	3.61
NW	1.39	3.47	0.69	0	0	5.55
NNW	1.39	7.08	2.08	0	0	10.55
Summary	32.34	52.36	12.2	0	0	96.9



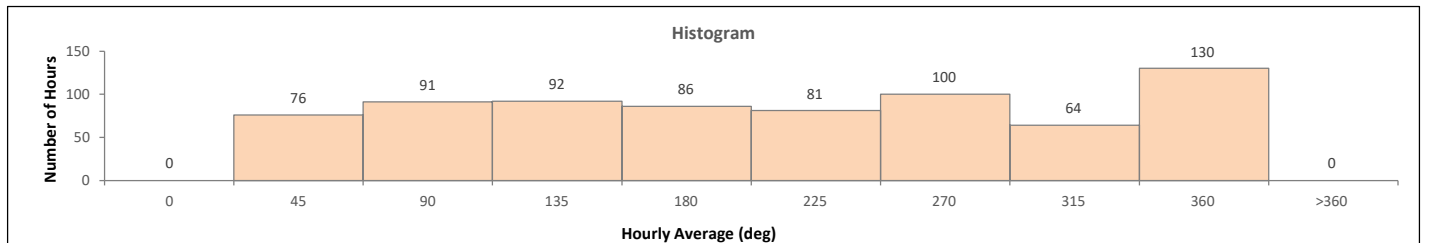
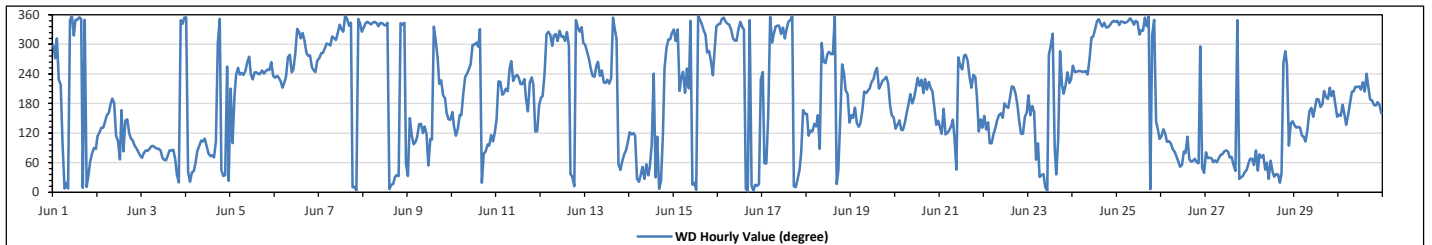
Peace River Area Monitoring Program

986-C Station - June 2024

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

Monthly Average:		18 (NNE) degree																		Hours in Service:		720																													
																				Hours of Data:		720																													
																				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																									
Jun 1	WNW	W	NW	SW	SW	E	N	NNE	N	NNW	N	NW	N	N	N	N	N	NNE	NE	ENE	ENE	E	E	E	9	N																									
Jun 2	ESE	ESE	SE	SE	SE	SSE	SSE	S	S	S	ESE	ESE	ENE	SSE	E	SE	SE	ESE	ESE	E	E	E	E	E	125	SE																									
Jun 3	ENE	E	E	E	E	E	E	E	E	E	E	ENE	ENE	ENE	ENE	E	E	E	ENE	NE	NNE	NNW	NNW	N	80	E																									
Jun 4	N	NE	NNE	NE	NE	ENE	E	E	ESE	ESE	ESE	E	ENE	ENE	ENE	ENE	ESE	WNW	N	NE	NNE	NE	WSW	NNE	75	ENE																									
Jun 5	SSW	E	SSW	SW	WSW	WSW	WSW	SW	WSW	W	W	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	SW	244	WSW																									
Jun 6	SW	SW	SW	SW	SSW	SW	SW	W	W	WSW	WSW	W	NNW	NW	NW	NW	NW	W	W	W	WSW	WSW	WSW	W	267	W																									
Jun 7	W	W	W	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNW	NNW	NW	N	N	NNW	NNW	N	NNE	N	N	NNW	NW	334	NNW																									
Jun 8	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	NNE	NE	NNE	NNW	NNW	NNW	ENE	351	N																									
Jun 9	NNE	SSE	ESE	E	E	ESE	SE	SE	ESE	SE	ESE	NE	ESE	ESE	NNW	NW	W	SW	SW	SSW	S	SSE	SE	SE	149	SSE																									
Jun 10	SSE	SE	ESE	SE	SSE	SSE	SSW	SW	WSW	WSW	WSW	WNW	WNW	WNW	WNW	NNW	NNE	ENE	E	E	E	ESE	ESE	ESE	122	ESE																									
Jun 11	SE	SW	SW	SSW	SSW	SSW	SSW	WSW	W	SW	SW	SW	SW	SW	SW	S	SSE	SW	SW	SW	SW	ESE	ESE	S	214	SSW																									
Jun 12	S	SSW	WSW	NW	NW	NW	NNW	NW	NW	NW	NNW	NW	NW	NW	NW	WNW	NE	NNE	NNE	NNW	NNW	NNW	NNW	WNW	327	NW																									
Jun 13	WNW	WNW	W	WSW	SW	SW	WSW	W	SW	WSW	SW	SW	SW	SW	SW	N	NNW	NW	ENE	NE	ENE	ENE	E	E	238	SW																									
Jun 14	ESE	ESE	ESE	ESE	NNE	NNE	NE	NE	NNE	ENE	NE	NE	E	WSW	NNE	ESE	N	NNE	ESE	WSW	WNW	NW	NW	NW	70	ENE																									
Jun 15	NNW	NW	NNW	SSW	SW	WSW	SSW	WSW	SSW	NNW	NNE	NNE	N	N	N	NNW	NNW	NW	WNW	WNW	W	SW	WNW	NNW	335	NNW																									
Jun 16	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	N	N	NNW	NNE	N	NNE	NNE	NNE	SW	347	NNW																										
Jun 17	WSW	ENE	ENE	SSE	N	WNW	NW	NNW	NNW	NNW	NW	NNW	NW	NNW	NNW	N	NNE	N	NNE	NE	E	SSE	SSE	349	NNW																										
Jun 18	SSE	ESE	SE	ESE	SE	SE	SSE	E	WNW	W	W	W	WNW	W	W	N	NNE	NE	SSE	WSW	WSW	SSW	SSW	SE	230	SW																									
Jun 19	SSE	SSE	S	SE	SE	SE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	S	SSE	SSE	204	SSW																									
Jun 20	SE	SE	SE	SE	SE	SE	SSE	S	SSW	S	S	SSW	SW	SW	SW	SSW	SW	SSW	SW	SSW	SSW	S	SE	SE	189	S																									
Jun 21	SE	ESE	SSE	ESE	ESE	SE	SE	SE	ESE	NE	W	WSW	WSW	W	W	W	SW	SSW	SW	SSW	SSW	ESE	SE	SE	177	S																									
Jun 22	SSE	SE	SE	E	E	ESE	SE	SE	SSE	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	S	SE	ESE	ESE	SSE	SSE	160	SSE																									
Jun 23	SSW	SSE	S	SSE	ENE	E	NNE	NE	NE	N	N	W	WNW	NW	E	NE	ESE	WNW	SW	SSW	SW	WSW	SW	SW	210	SSW																									
Jun 24	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	NW	NW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	311	NW																								
Jun 25	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	N	N	NW	N	SE	SE	ESE	ENE	345	NNW																									
Jun 26	ESE	SE	ESE	E	ESE	E	E	E	ENE	ENE	NE	NE	E	E	ESE	ENE	ENE	ENE	ENE	ENE	ENE	WNW	NE	NE	74	ENE																									
Jun 27	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	ENE	NE	NE	NNW	NNE	NNE	NNE	NE	NE	ENE	59	ENE																										
Jun 28	ENE	ENE	NE	E	NE	ENE	ENE	ENE	NE	ENE	NNE	ENE	NE	NNE	NE	NE	NNE	NE	W	WNW	WSW	E	SE	SE	58	ENE																									
Jun 29	SE	SE	SE	SE	ESE	ESE	ESE	SE	SSE	S	SSE	SSE	S	S	S	S	SSW	S	S	SSW	SSW	SSW	S	SSE	173	S																									
Jun 30	SSE	SSE	S	SSE	SE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	S	S	S	190	S																									
C	Monthly Calibration								S	Daily Zero-Span Check								Q	Quality Assurance																																
K	Collection Error								ND	No Data (Machine Not in Service)								Y	Routine Maintenance																																
X	Invalid Data (Machine Malfunction/Recovery)								NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)								P	Power Failure																																
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 - June 2024

Summary of Hourly Averages

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

WIND SPEED																													
Maximum Hourly Value:		26.6	kph	on Jun 3 at hr 4																Hours in Service:		720							
Maximum Daily Value:		18.0	kph	on Jun 3																Hours of Data:		720							
Minimum Hourly Value:		0.5	kph	on Jun 1 at hr 5																Hours of Missing Data:		0							
Minimum Daily Value:		4.1	kph	on Jun 18																Hours of Calibration:		0							
Monthly Average:		0.9	kph																	Operational Uptime:		100.0							
WIND DIRECTION																													
Monthly Average:		18 degree (NNE)																											
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average			
Jun 1	2.2	2.0	2.9	5.4	1.3	0.5	2.3	3.8	5.1	5.7	10.8	12.5	15.7	13.7	14.4	13.9	13.3	12.5	10.8	9.3	10.2	10.0	11.1	11.9	0.5	15.7	8.4		
	WNW	W	NW	SW	SW	E	N	NNE	N	NNW	N	NW	N	N	N	N	N	NNE	NE	ENE	ENE	E	E						
Jun 2	10.7	10.4	15.7	9.9	8.2	7.7	11.6	9.9	10.2	5.4	5.1	5.5	4.8	12.9	7.0	10.8	22.2	21.2	20.0	19.3	12.7	10.0	11.4	14.5	4.8	22.2	11.5		
	ESE	ESE	SE	SE	SE	SSE	S	S	S	ESE	ESE	ENE	SSE	E	SE	SE	ESE	ESE	E	E	E	E	ENE				125(SE)		
Jun 3	19.1	24.1	25.9	26.2	26.6	22.0	23.7	24.9	24.5	23.4	24.9	20.3	18.3	23.1	21.5	21.0	18.0	13.3	8.2	5.0	6.5	4.1	2.2	4.1	2.2	26.6	18.0		
	ENE	E	E	E	E	E	E	E	E	E	E	ENE	ENE	ENE	E	E	E	ENE	NE	NNE	NNW	NNW	N				80(E)		
Jun 4	2.5	2.1	4.0	6.8	7.8	10.0	16.4	15.9	16.1	15.7	14.8	14.4	13.1	13.2	13.6	14.3	3.1	1.2	4.6	12.1	7.2	4.1	1.8	0.8	0.8	16.4	9.0		
	N	NE	NNE	NE	NE	ENE	E	E	ESE	ESE	ESE	E	ENE	ENE	ENE	ENE	ESE	WNW	N	NE	NNE	NE	WSW	NNE			75(ENE)		
Jun 5	1.9	2.8	3.0	9.6	6.9	6.8	9.5	8.4	10.0	11.4	11.0	12.7	17.6	19.5	21.8	23.1	23.2	18.0	17.5	15.4	15.0	13.1	9.0	10.7	1.9	23.2	12.4		
	SSW	E	SSW	SW	WSW	WSW	WSW	SW	WSW	W	W	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	SW			244(WSW)		
Jun 6	13.8	13.0	17.2	12.3	10.8	9.5	6.3	5.1	5.8	9.2	8.6	11.9	14.5	13.4	14.0	14.8	12.0	11.0	9.0	8.7	8.2	9.0	7.1	8.6	5.1	17.2	10.6		
	SW	SW	SW	SW	SSW	SW	SW	W	W	WSW	WSW	W	NNW	NW	NW	NW	NW	W	W	WSW	WSW	WSW	W	SW			267(W)		
Jun 7	9.1	8.4	7.9	8.8	9.6	9.8	10.9	17.1	16.5	17.2	17.7	20.7	18.7	24.0	26.5	25.8	21.3	23.4	22.1	21.1	20.1	16.1	11.8	9.3	7.9	26.5	16.4		
	W	W	W	WNW	WNW	WNW	NW	NW	NW	NW	NNW	NNW	NNW	NW	N	N	NNW	NNW	N	NNE	N	N	NNW	NW			334(NNW)		
Jun 8	13.4	17.9	16.3	14.3	13.7	11.6	8.6	9.5	12.4	14.3	13.3	10.4	13.1	10.5	9.7	6.8	10.7	10.4	9.4	7.5	3.8	3.4	3.3	2.8	2.8	17.9	10.3		
	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	NNE	NE	NNE	NNW	NNW	NNW	ENE			351(N)		
Jun 9	0.8	1.6	1.5	3.6	2.7	2.7	4.5	4.5	3.1	2.8	3.2	9.7	5.3	3.8	3.0	5.2	3.1	7.6	5.1	9.3	6.7	6.2	3.0	4.0	0.8	9.7	4.3		
	NNE	SSE	ESE	E	E	ESE	SE	ESE	SE	ESE	SE	ESE	NE	ESE	NNW	NW	W	SW	SSW	S	SSE	SE	SE				149(SSE)		
Jun 10	4.9	3.4	3.4	2.7	3.9	2.3	2.6	5.2	6.6	6.5	9.0	6.8	4.8	5.4	5.2	4.4	7.5	6.1	8.7	11.3	10.2	8.8	10.8	7.4	2.3	11.3	6.2		
	SSE	SE	ESE	SE	SSE	SSE	SSW	SW	WSW	WSW	WSW	WNW	WNW	WNW	WNW	NNW	NNW	NNW	ENE	E	E	ESE	ESE	ESE			122(ESE)		
Jun 11	6.1	8.6	10.3	7.5	10.3	7.9	5.9	3.7	2.9	2.9	6.8	8.4	10.5	16.5	20.2	12.1	4.2	4.4	3.9	4.1	3.6	4.4	3.0	4.1	2.9	20.2	7.2		
	SE	SW	SW	SSW	SSW	SSW	WSW	W	SW	SW	SW	SW	SW	SW	SW	S	SSE	SW	SW	SW	SW	ESE	ESE	S			214(SSW)		
Jun 12	3.8	4.0	3.5	5.0	4.8	6.1	4.5	6.1	8.3	7.5	8.0	8.5	7.3	6.1	6.3	3.0	5.8	8.1	9.9	11.3	10.3	11.1	9.1	4.3	3.0	11.3	6.8		
	S	SSW	WSW	NW	NW	NW	WNW	NW	NW	NW	NNW	NW	NW	NW	NW	WNW	NE	NNE	NNE	NNW	NNW	NW	NNW	WNW			327(NW)		
Jun 13	4.4	3.7	3.2	3.2	3.6	4.5	2.5	3.2	4.1	4.8	10.3	9.7	8.1	9.2	9.2	5.7	5.4	1.9	3.7	3.7	9.7	9.5	8.7	9.1	1.9	10.3	5.9		
	WNW	WNW	W	WSW	SW	WSW	W	SW	WSW	W	SW	WSW	SW	SW	SW	N	NNW	NW	ENE	NE	ENE	ENE	E	E			238(SW)		
Jun 14	13.9	8.3	6.2	5.3	3.2	3.1	4.6	2.5	5.2	8.0	8.9	16.0	18.1	11.1	5.0	13.5	7.3	7.6	5.9	1.9	4.2	0.8	2.9	4.7	0.8	18.1	7.0		
	ESE	ESE	ESE	ESE	NNE	NNE	NE	NE	NNE	ENE	NE	E	WSW	NNE	ESE	N	NNE	ESE	WSW	NNW	NW	NW	NW				70(ENE)		
Jun 15	3.5	0.8	1.5	1.9	4.8	2.3	4.7	4.6	1.7	1.5	15.5	13.5	13.0	17.1	12.4	11.5	9.8	6.0	4.0	4.7	4.5	4.0	2.8	8.2	0.8	17.1	6.4		
	NNW	NW	NNW	SSW	SW	WSW	SSW	WSW	SSW	NNW	NNE	NNE	N	N	NNW	NNW	NW	NNW	NNW	WNW	W	SW	WNW	NNW			335(NNW)		
Jun 16	11.3	11.4	13.4	10.4	10.2	8.9	8.4	7.8	8.5	11.9	13.1	18.2	22.8	22.9	22.8	25.6	20.8	19.1	18.5	17.5	14.9	10.7	4.1	2.8	2.8	25.6	14.0		
	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNE	N	NNE	NNE	NNE	SW				347(NNW)		
Jun 17	1.0	3.1	5.1	1.5	4.4	4.0	7.4	13.1	17.2	14.7	12.4	17.8	13.8	15.9	18.0	18.8	17.1	16.5	15.7	12.0	8.6	3.4	3.8	3.2	1.0	18.8	10.4		
	WSW	ENE	ENE	SSE	N	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	N	NNE	NE	E	SSE	SSE			349(NNW)		
Jun 18	3.2	3.0	1.9	3.1	3.8	3.3	3.6	1.2	1.4	3.3	2.3	3.1	6.2	4.6	5.2	7.9	10.0	6.5	2.9	2.6	4.6	4.7	3.3	5.7	1.2	10.0	4.1		
	SSE	ESE	SE	ESE	SE	SE	SSE	E	WNW	W	W	W	WNW	W	W	N	NNE	NE	SSE	WSW	WSW	SSW	SSW	SE			230(SW)		
Jun 19	4.5	3.9	2.7	3.7	4.1	5.2	5.4	6.1	10.0	12.6	10.5	9.2	9.3	7.6	8.3	6.9	7.6	8.4	8.5	8.9	5.2	5.5	5.3	6.0	2.7	12.6	6.9		
	SSE	SSE	S	SE	SE	SE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	SSE			204(SSW)		
Jun 20	5.9	7.2	10.0	4.0	6.2	5.1	8.7	13.8	11.7	12.9	14.2	15.5	14.3	14.0	11.4	8.8	10.8	11.2	9.8	9.0	6.3	6.1	9.3	11.7	4.0	15.5	9.9		
	SE	SE	SE	SE	SE	SE	SSE	S	SSW	S	S	SSW	SW	SSW	SW	SSW	SW	SSW	SW	SSW	SSW	S	SE	SE			189(S)		
Jun 21	10.9	8.6	3.4	6.0	6.7	5.4	5.2	6.0	2.7	1.6	3.5	5.3	7.6	6.7	5.5	7.2	4.8	5.9	5.7	4.7	0.8	5.5	5.7	5.7	0.8	10.9	5.5		
	SE	ESE	SSE	ESE	ESE	SE	SE	ESE	NE	W	WSW	WSW	W	W	W	SW	SSW	SW	SSW	SW	SSW	ESE	SE	SE			177(S)		
Jun 22	11.2	5.1	5.8	3.1	5.5	6.4	3.0	6.8	6.1	4.5	1.3	9.2	10.7	11.0	11.7	15.9	11.5	7.0	6.4	9.2	11.5	14.4	13.4	17.2	1.3	17.2	8.7		
	SSE	SE	SE	E	E	ESE	SE	SE	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	S	SE	ESE	ESE	SSE	SSE				160(SSE)		
Jun 23	15.9	6.9	9.7	8.5	9.8	5.9	7.0	11.4	6.7	5.3	5.9	5.3	7.9	12.9	6.0	1.7	2.8	5.6	15.6	14.0	7.3	6.0	6.1	7.2	1.7	15.9	8.0		
	SSW	SSE	S	SSE	ENE	E	NNE	NE	NE	N	N	W	WNW	NW	E	NE	ESE	WNW	SW	SSW	SW	SSW	SW	SW			210(SSW)		
Jun 24	8.4	6.9	9.5	8.5	9.1	9.5	7.8	7.9	8.6	5.1	7.5	8.8	10.6	15.1	16.8	13.2	13.2	12.4	9.9	11.0	10.4	8.7	9.4	9.6	5.1	16.8	9.9		
	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	NW	NW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW				311(NW)	
Jun 25	10.6	8.5	7.8	8.3	5.9	7.5	9.9	7.9	10.8	9.8	12.5	12.5	12.2	10.6	9.5	4.3	2.6	5.3	3.0	2.1	1.6	3.0	3.3	4.7	1.6	12.5	7.3		
	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	N	NW	N	SE	SE	ESE				345(NNW)		
Jun 26	4.8	4.3	4.3	8.7	6.5	4.4	6.4	5.5	9.0	13.2	15.4	12.6	10.2	10.4	10.6	11.3	13.8	14.8	13.8	11.3	7.6	3.6	1.8	1.9	1.8	15.4	8.6		
	ESE	SE	ESE	E	ESE	E	E	E	ENE	ENE	NE	NE	E	E	ESE	ENE	ENE	ENE	ENE	ENE	ENE	WNNW	NE	NE			74(ENE)		
Jun 27	7.3	8.8	9.2	9.0	10.6	10.5	10.5	11.1	15.6	14.2	13.4	14.3	12.3	11.2	11.1	10.6	9.3	11.0	15.6	19.7	12.0	12.8	8.7	14.2	7.3	19.7	11.8		
	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ENE	ENE	NE	NE	NNW	NNE	NNE	NNE	NE	NE	NE	ENE			59(ENE)		
Jun 28	14.1	13.3	11.6	10.4	5.0	3.5	4.5	6.9	3.3	5.6	7.9	5.7	5.2	3.0	3.7	4.6	5.1	4.7	7.9	5.0	2.1	2.3	3.9	5.6	2.1	14.1	6.0		
	ENE	ENE	NE	E	NE	ENE	ENE	ENE	NE	ENE	NE	NNE	NE	NNE	NE	NNE	NE	W	WNW	WSW	E	SE	SE				58(ENE)		
Jun 29	5.1	5.1	4.0	5.1	6.5	5.3	2.5	3.6	9.9	7.2	7.9	11.2	12.9	11.8	10.1	9.5	9.3	13.1	12.1	8.3	5.3	11.1	4.1	8.6	2.5	13.1	7.9		
	SE	SE	SE	SE	ESE	ESE	ESE	SE	SSE	S	SSE	SSE	S	S	S	SSW	S	S	SSW	SSW	SSW	SSW	S	SSE			173(S)		
Jun 30																													

842-B STATION

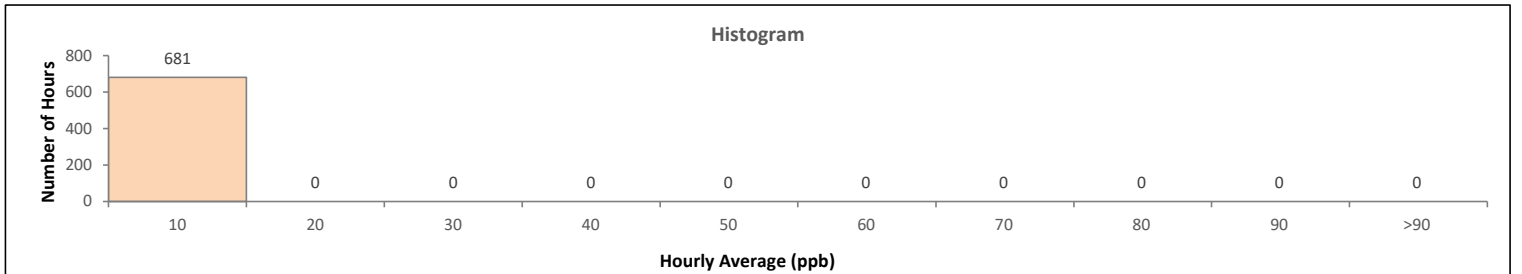
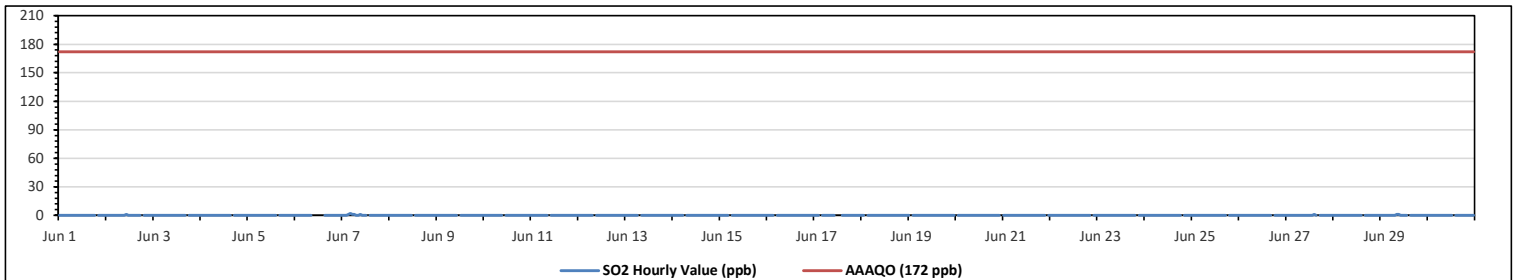
Peace River Area Monitoring Program

842-B Station - June 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO₂) 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 Jun 7 at hr 4					Hours in Service:					720																				
Maximum Daily Value:					0.3 ppb on Jun 7					Hours of Data:					681																				
Minimum Hourly Value:					0 ppb on Jun 1 at hr 0					Hours of Missing Data:					0																				
Minimum Daily Value:					0.0 ppb on Jun 1					Hours of Calibration:					39																				
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											
Jun 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								
Jun 2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0.0								
Jun 3	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								
Jun 4	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								
Jun 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								
Jun 6	0	0	0	0	0	0	0	0	0	C	C	C	C	C	S	0	0	0	0	0	0	0	0	0	0	0	0.0								
Jun 7	0	0	0	1	2	1	1	0	0	1	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	2	0.3								
Jun 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								
Jun 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								
Jun 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								
Jun 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								
Jun 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								
Jun 13	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								
Jun 14	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								
Jun 15	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								
Jun 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								
Jun 17	0	0	0	S	0	0	0	0	0	0	Q	Q	Q	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0								
Jun 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								
Jun 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								
Jun 20	S	0	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								
Jun 21	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								
Jun 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	S	0	0	0	0	0.0								
Jun 23	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								
Jun 24	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								
Jun 25	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								
Jun 26	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								
Jun 27	0	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	0.0								
Jun 28	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								
Jun 29	0	0	0	0	0	0	0	0	1	1	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.1								
Jun 30	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								
Diurnal Maximum	0	0	0	1	2	1	1	0	1	1	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	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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.																																			

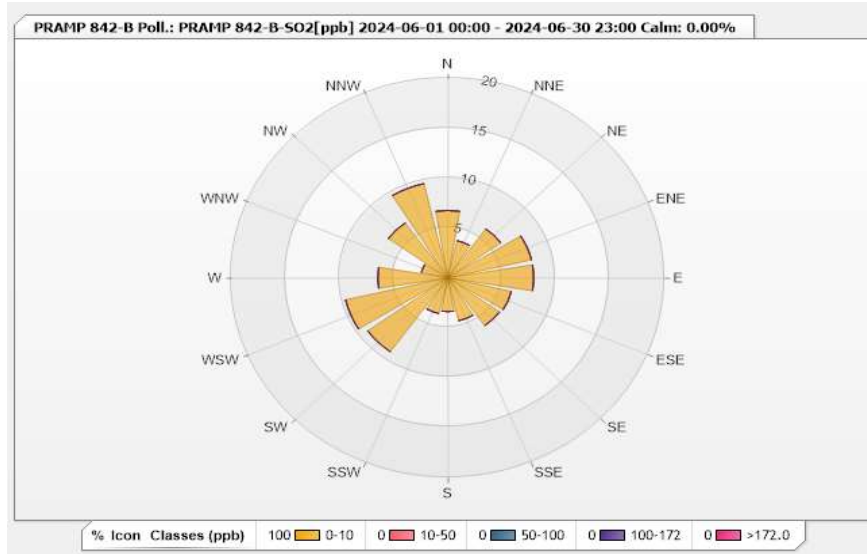


Station: PRAMP 842-B Poll.: PRAMP 842-B-SO2[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.58% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	6.75	0	0	0	0	6.75
NNE	3.82	0	0	0	0	3.82
NE	6.02	0	0	0	0	6.02
ENE	7.93	0	0	0	0	7.93
E	7.93	0	0	0	0	7.93
ESE	6.02	0	0	0	0	6.02
SE	5.87	0	0	0	0	5.87
SSE	4.41	0	0	0	0	4.41
S	3.38	0	0	0	0	3.38
SSW	3.67	0	0	0	0	3.67
SW	9.1	0	0	0	0	9.1
WSW	9.69	0	0	0	0	9.69
W	6.46	0	0	0	0	6.46
WNW	2.5	0	0	0	0	2.5
NW	6.75	0	0	0	0	6.75
NNW	9.69	0	0	0	0	9.69
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - June 2024

Summary of Hourly Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

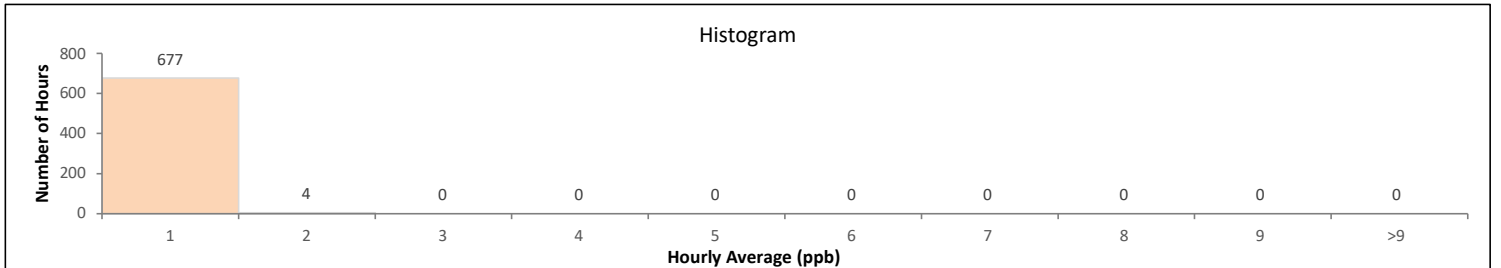
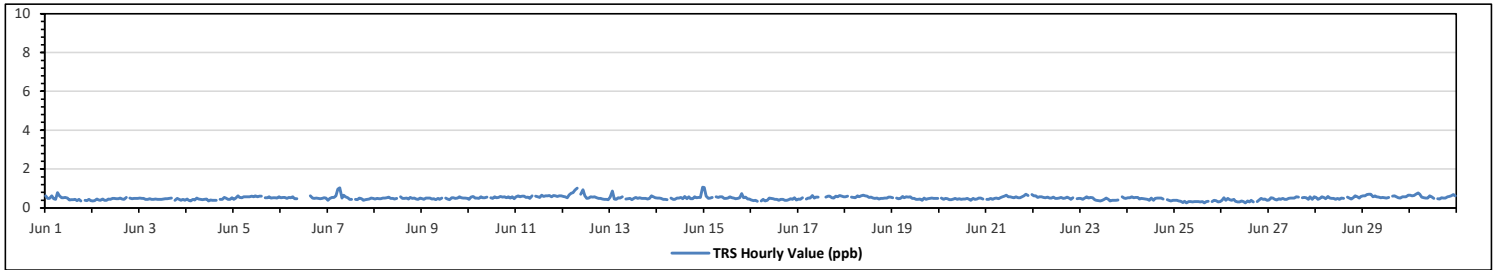
Maximum Hourly Value:	1.07	ppb	on Jun 14 at hr 23	Hours in Service:	720
Maximum Daily Value:	0.61	ppb	on Jun 12	Hours of Data:	681
Minimum Hourly Value:	0.25	ppb	on Jun 26 at hr 12	Hours of Missing Data:	0
Minimum Daily Value:	0.33	ppb	on Jun 25	Hours of Calibration:	39
Monthly Average:	0.50	ppb		Operational Uptime:	100.0

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Jun 1	0.63	0.48	0.49	0.63	0.47	0.44	0.78	0.63	0.53	0.52	0.54	0.5	0.41	0.42	0.42	0.44	0.37	0.44	0.36	S	0.38	0.37	0.44	0.37	0.36	0.78	0.48
Jun 2	0.35	0.37	0.46	0.41	0.38	0.46	0.38	0.39	0.46	0.45	0.48	0.49	0.47	0.47	0.51	0.46	0.44	0.54	S	0.5	0.47	0.49	0.49	0.49	0.35	0.54	0.45
Jun 3	0.51	0.48	0.48	0.43	0.45	0.47	0.43	0.45	0.46	0.44	0.44	0.43	0.46	0.47	0.47	0.48	0.5	S	0.39	0.48	0.44	0.38	0.45	0.38	0.38	0.51	0.45
Jun 4	0.46	0.4	0.36	0.44	0.41	0.5	0.46	0.44	0.42	0.44	0.46	0.36	0.41	0.39	0.4	0.38	S	0.44	0.45	0.54	0.5	0.45	0.44	0.52	0.36	0.54	0.44
Jun 5	0.45	0.51	0.61	0.54	0.53	0.57	0.56	0.56	0.57	0.6	0.56	0.61	0.58	0.6	0.6	S	0.53	0.53	0.57	0.5	0.53	0.53	0.51	0.56	0.45	0.61	0.55
Jun 6	0.52	0.54	0.54	0.48	0.54	0.53	0.58	0.47	0.47	C	C	C	C	C	S	0.62	0.51	0.49	0.51	0.49	0.47	0.48	0.53	0.51	0.47	0.62	0.52
Jun 7	0.4	0.48	0.54	0.54	0.62	0.98	1.04	0.51	0.65	0.58	0.52	0.45	0.43	S	0.43	0.42	0.51	0.47	0.4	0.42	0.44	0.46	0.5	0.49	0.40	1.04	0.53
Jun 8	0.46	0.48	0.47	0.47	0.51	0.5	0.52	0.55	0.48	0.49	0.46	0.48	S	0.57	0.49	0.49	0.51	0.46	0.54	0.48	0.51	0.46	0.45	0.51	0.45	0.57	0.49
Jun 9	0.47	0.45	0.5	0.5	0.5	0.46	0.47	0.42	0.48	0.44	0.5	S	0.5	0.46	0.42	0.52	0.52	0.48	0.51	0.58	0.53	0.5	0.51	0.49	0.42	0.58	0.49
Jun 10	0.43	0.55	0.59	0.5	0.51	0.48	0.58	0.52	0.53	0.55	S	0.53	0.49	0.57	0.53	0.54	0.59	0.55	0.56	0.52	0.56	0.51	0.56	0.47	0.43	0.59	0.53
Jun 11	0.57	0.63	0.58	0.6	0.6	0.54	0.55	0.48	0.63	S	0.6	0.57	0.54	0.65	0.59	0.61	0.63	0.64	0.56	0.64	0.62	0.59	0.61	0.61	0.48	0.65	0.59
Jun 12	0.59	0.57	0.53	0.67	0.75	0.78	0.92	1.02	S	0.7	0.94	0.61	0.49	0.51	0.56	0.55	0.58	0.53	0.48	0.48	0.46	0.45	0.45	0.42	0.42	1.02	0.61
Jun 13	0.55	0.87	0.46	0.45	0.53	0.5	0.56	S	0.46	0.47	0.49	0.42	0.48	0.54	0.49	0.52	0.49	0.49	0.49	0.46	0.48	0.62	0.56	0.52	0.42	0.87	0.52
Jun 14	0.51	0.5	0.49	0.43	0.44	0.42	S	0.51	0.43	0.43	0.5	0.51	0.54	0.47	0.59	0.47	0.56	0.47	0.47	0.56	0.52	0.54	0.54	1.07	0.42	1.07	0.52
Jun 15	1.05	0.6	0.49	0.51	0.54	S	0.58	0.54	0.58	0.56	0.49	0.48	0.5	0.56	0.52	0.5	0.47	0.48	0.52	0.73	0.52	0.55	0.46	0.46	0.46	1.05	0.55
Jun 16	0.41	0.37	0.39	0.34	S	0.35	0.44	0.36	0.4	0.51	0.48	0.47	0.44	0.45	0.4	0.43	0.43	0.4	0.38	0.42	0.47	0.43	0.53	0.41	0.34	0.53	0.42
Jun 17	0.46	0.45	0.52	S	0.46	0.5	0.5	0.64	0.51	0.55	0.55	Q	Q	Q	0.55	0.6	0.6	0.53	0.51	0.6	0.57	0.64	0.6	0.58	0.45	0.64	0.55
Jun 18	0.56	0.6	S	0.55	0.54	0.52	0.61	0.58	0.62	0.65	0.61	0.6	0.54	0.55	0.5	0.48	0.5	0.46	0.48	0.48	0.51	0.51	0.55	0.55	0.46	0.65	0.55
Jun 19	0.52	S	0.51	0.47	0.49	0.59	0.52	0.56	0.55	0.56	0.49	0.48	0.45	0.45	0.46	0.4	0.5	0.45	0.47	0.48	0.5	0.49	0.48	0.49	0.40	0.59	0.49
Jun 20	S	0.5	0.43	0.48	0.47	0.42	0.42	0.46	0.49	0.45	0.47	0.45	0.46	0.46	0.48	0.44	0.39	0.49	0.45	0.46	0.51	0.5	0.46	S	0.39	0.51	0.46
Jun 21	0.43	0.43	0.48	0.43	0.49	0.51	0.47	0.53	0.56	0.6	0.66	0.58	0.56	0.54	0.52	0.57	0.52	0.53	0.57	0.61	0.7	0.64	S	0.68	0.43	0.70	0.55
Jun 22	0.62	0.63	0.54	0.56	0.56	0.54	0.53	0.55	0.5	0.51	0.55	0.49	0.49	0.51	0.54	0.49	0.51	0.55	0.5	0.44	0.52	S	0.47	0.49	0.44	0.63	0.53
Jun 23	0.49	0.45	0.5	0.56	0.5	0.54	0.52	0.42	0.39	0.37	0.36	0.4	0.44	0.5	0.44	0.35	0.4	0.39	0.4	0.41	S	0.56	0.5	0.49	0.35	0.56	0.45
Jun 24	0.53	0.53	0.56	0.52	0.54	0.54	0.46	0.48	0.47	0.46	0.44	0.38	0.51	0.4	0.49	0.5	0.5	0.5	0.46	S	0.42	0.39	0.36	0.38	0.36	0.56	0.47
Jun 25	0.39	0.39	0.36	0.34	0.28	0.34	0.27	0.33	0.32	0.31	0.33	0.32	0.33	0.31	0.33	0.26	0.32	0.34	S	0.33	0.38	0.37	0.31	0.32	0.26	0.39	0.33
Jun 26	0.39	0.52	0.4	0.49	0.42	0.38	0.44	0.34	0.31	0.3	0.36	0.33	0.25	0.36	0.3	0.38	0.31	S	0.33	0.41	0.48	0.44	0.46	0.39	0.25	0.52	0.38
Jun 27	0.41	0.53	0.5	0.45	0.41	0.47	0.45	0.49	0.45	0.45	0.49	0.5	0.51	0.51	0.56	0.55	S	0.53	0.54	0.53	0.45	0.56	0.45	0.56	0.41	0.56	0.49
Jun 28	0.54	0.45	0.48	0.57	0.54	0.47	0.59	0.51	0.49	0.49	0.44	0.48	0.43	0.5	0.49	S	0.55	0.51	0.46	0.53	0.61	0.56	0.5	0.59	0.43	0.61	0.51
Jun 29	0.63	0.61	0.68	0.7	0.71	0.56	0.62	0.56	0.55	0.53	0.54	0.53	0.51	0.54	S	0.6	0.61	0.56	0.53	0.51	0.57	0.56	0.56	0.65	0.51	0.71	0.58
Jun 30	0.66	0.63	0.64	0.71	0.77	0.7	0.55	0.52	0.5	0.5	0.62	0.58	0.49	S	0.47	0.46	0.52	0.5	0.5	0.56	0.59	0.62	0.69	0.62	0.46	0.77	0.58
Diurnal Maximum	1.05	0.87	0.68	0.71	0.77	0.98	1.04	1.02	0.65	0.70	0.94	0.61	0.58	0.65	0.60	0.62	0.63	0.64	0.57	0.73	0.70	0.64	0.69	1.07			
Diurnal Average	0.52	0.52	0.50	0.51	0.52	0.52	0.54	0.51	0.49	0.50	0.51	0.48	0.47	0.49	0.48	0.48	0.50	0.49	0.48	0.51	0.51	0.51	0.50	0.52			

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

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.

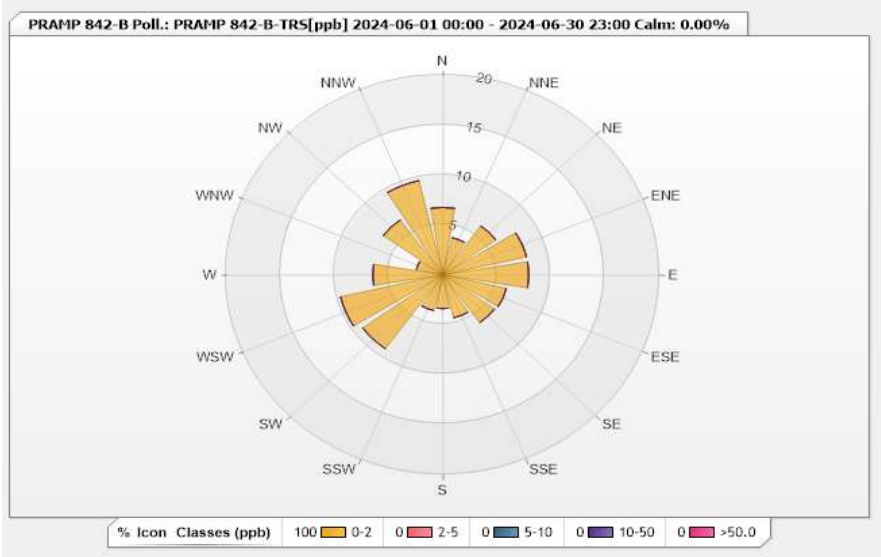


Station: PRAMP 842-B Poll.: PRAMP 842-B-TRS[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.58% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	6.75	0	0	0	0	6.75
NNE	3.82	0	0	0	0	3.82
NE	6.02	0	0	0	0	6.02
ENE	7.93	0	0	0	0	7.93
E	7.93	0	0	0	0	7.93
ESE	6.02	0	0	0	0	6.02
SE	5.87	0	0	0	0	5.87
SSE	4.41	0	0	0	0	4.41
S	3.38	0	0	0	0	3.38
SSW	3.67	0	0	0	0	3.67
SW	9.1	0	0	0	0	9.1
WSW	9.69	0	0	0	0	9.69
W	6.46	0	0	0	0	6.46
WNW	2.5	0	0	0	0	2.5
NW	6.75	0	0	0	0	6.75
NNW	9.69	0	0	0	0	9.69
Summary	100	0	0	0	0	100



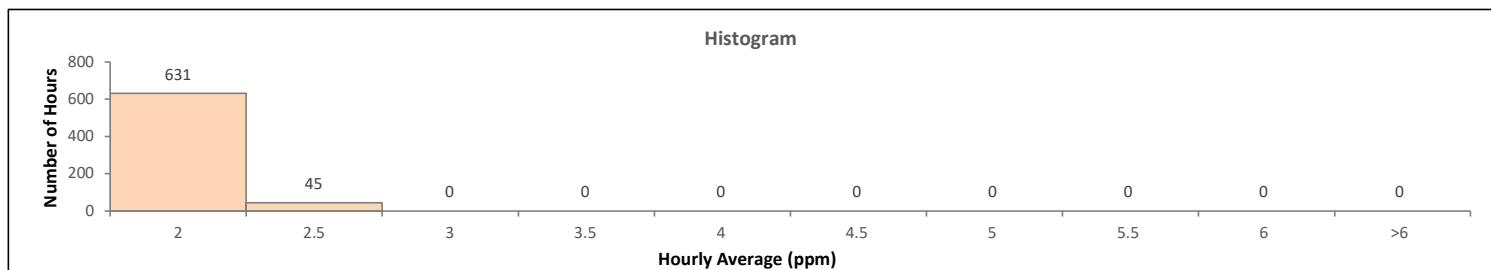
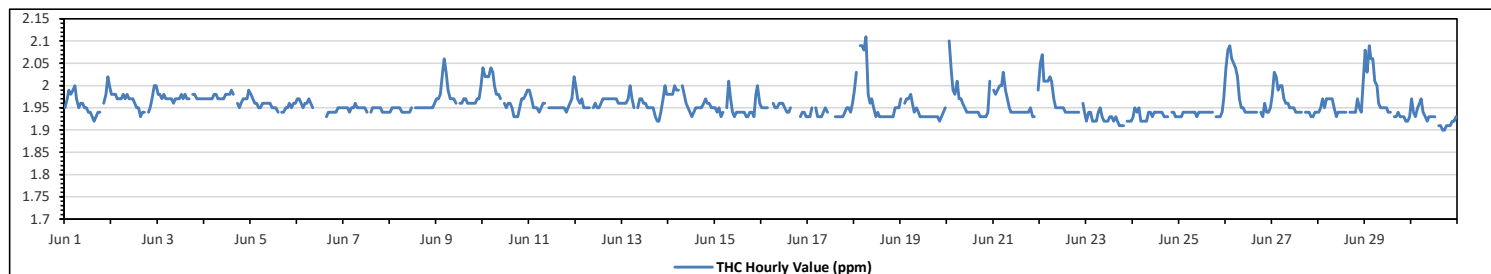
Peace River Area Monitoring Program

842-B Station - June 2024

Summary of Hourly Averages

TOTAL HYDROCARBONS (THC) in ppm

Maximum Hourly Value:	2.11	ppm	on Jun 18 at hr 6	Hours in Service:	720																																						
Maximum Daily Value:	1.98	ppm	on Jun 10	Hours of Data:	676																																						
Minimum Hourly Value:	1.90	ppm	on Jun 30 at hr 16	Hours of Missing Data:	5																																						
Minimum Daily Value:	1.92	ppm	on Jun 23	Hours of Calibration:	39																																						
Monthly Average:	1.96	ppm		Operational Uptime:	99.3																																						
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average																
Jun 1	1.95	1.97	1.99	1.98	1.99	2.00	1.97	1.95	1.96	1.96	1.95	1.95	1.94	1.94	1.93	1.92	1.93	1.94	1.94	S	1.96	1.98	2.02	2.00	1.92	2.02	1.96																
Jun 2	1.98	1.98	1.98	1.97	1.97	1.97	1.98	1.97	1.98	1.97	1.97	1.97	1.96	1.95	1.95	1.93	1.94	1.94	S	1.94	1.95	1.97	2.00	2.00	1.93	2.00	1.97																
Jun 3	1.98	1.98	1.97	1.98	1.97	1.97	1.97	1.97	1.96	1.97	1.97	1.97	1.98	1.97	1.98	1.97	1.97	S	1.98	1.98	1.97	1.97	1.97	1.97	1.96	1.98	1.97																
Jun 4	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.99	1.98	S	1.96	1.95	1.96	1.97	1.97	1.97	1.99	1.95	1.99	1.97															
Jun 5	1.98	1.97	1.96	1.96	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.94	S	1.94	1.94	1.95	1.95	1.96	1.95	1.96	1.96	1.94	1.98	1.96																
Jun 6	1.97	1.97	1.96	1.95	1.96	1.96	1.97	1.96	1.95	C	C	C	C	C	S	1.93	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.93	1.97	1.95																
Jun 7	1.95	1.95	1.95	1.94	1.95	1.95	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.94	S	1.94	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.96	1.95																
Jun 8	1.94	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.95	S	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.94	1.96	1.95																
Jun 9	1.97	1.97	1.98	2.03	2.06	2.03	1.99	1.97	1.97	1.97	1.96	S	1.96	1.96	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.95	1.97	2.00	1.96	2.06	1.98																
Jun 10	2.04	2.02	2.02	2.02	2.04	2.03	2.00	1.98	1.98	1.97	S	1.96	1.95	1.96	1.96	1.95	1.93	1.93	1.93	1.95	1.97	1.97	1.98	1.99	1.93	2.04	1.98																
Jun 11	1.99	1.97	1.95	1.95	1.95	1.94	1.95	1.96	1.96	S	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.95	1.96	1.97	2.02	1.94	2.02	1.96																
Jun 12	2.00	1.97	1.96	1.97	1.95	1.95	1.95	1.95	S	1.95	1.96	1.95	1.95	1.95	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.95	2.00	1.96																
Jun 13	1.96	1.96	1.96	1.97	2.00	1.97	1.95	S	1.95	1.97	1.97	1.96	1.96	1.95	1.95	1.95	1.95	1.93	1.92	1.92	1.94	1.97	2.00	1.98	1.92	2.00	1.96																
Jun 14	1.98	1.98	1.98	2.00	1.99	1.99	S	2.00	1.98	1.96	1.95	1.95	1.94	1.93	1.94	1.95	1.95	1.95	1.95	1.96	1.97	1.96	1.96	1.95	1.95	1.93	2.00	1.96															
Jun 15	1.95	1.94	1.95	1.93	1.94	S	1.95	2.01	1.97	1.94	1.93	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.94	1.94	1.93	1.98	2.00	1.96	1.93	2.01	1.95																
Jun 16	1.95	1.95	1.95	1.95	S	NRM	1.96	1.95	1.95	1.96	1.96	1.96	1.95	1.94	1.94	1.95	NRM	NRM	NRM	NRM	1.93	1.94	1.94	1.93	1.93	1.96	1.95																
Jun 17	1.93	1.93	1.95	S	1.95	1.93	1.93	1.93	1.94	1.95	1.94	Q	Q	Q	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.95	1.95	1.94	1.96	1.93	1.96	1.94															
Jun 18	1.99	2.03	S	2.09	2.09	2.08	2.11	1.98	1.96	1.97	1.95	1.93	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.95	1.95	1.95	1.93	2.11	1.97																
Jun 19	1.97	S	1.96	1.97	1.97	1.98	1.96	1.94	1.95	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.92	1.93	1.94	1.95	1.92	1.98	1.94																
Jun 20	S	2.10	2.03	1.99	1.98	2.01	1.97	1.97	1.96	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.94	2.01	S	1.93	2.10	1.96															
Jun 21	1.99	1.98	1.99	2.00	2.00	2.03	1.99	1.97	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.93	1.93	S	1.99	1.93	2.03	1.96															
Jun 22	2.05	2.07	2.01	2.01	2.01	2.02	2.01	1.97	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.96	1.94	1.94	2.07	1.97																
Jun 23	1.92	1.94	1.94	1.92	1.92	1.92	1.94	1.95	1.93	1.92	1.92	1.92	1.93	1.93	1.92	1.93	1.92	1.91	1.91	1.91	S	1.92	1.92	1.92	1.91	1.95	1.92																
Jun 24	1.93	1.95	1.94	1.95	1.92	1.92	1.92	1.92	1.94	1.94	1.93	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.93	S	1.94	1.94	1.93	1.93	1.92	1.95	1.93																
Jun 25	1.93	1.93	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.94	1.93	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.93	1.93	1.93	1.94	1.97	1.93	1.97	1.94															
Jun 26	2.04	2.08	2.09	2.06	2.05	2.04	2.02	1.97	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.94	1.93	1.96	1.94	1.94	1.95	1.93	2.09	1.98															
Jun 27	1.98	2.03	2.02	1.99	2.00	2.00	1.97	1.96	1.96	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	S	1.94	1.94	1.94	1.93	1.93	1.94	1.94	1.93	2.03	1.96															
Jun 28	1.94	1.95	1.97	1.95	1.97	1.97	1.97	1.97	1.95	1.93	1.94	1.94	1.94	1.94	1.94	S	1.94	1.94	1.94	1.94	1.94	1.97	1.95	1.94	2.01	1.93	2.01	1.95															
Jun 29	2.08	2.03	2.09	2.06	2.06	2.01	2.00	1.96	1.95	1.95	1.95	1.95	1.94	1.94	S	1.93	1.93	1.94	1.93	1.93	1.93	1.92	1.92	1.92	1.93	1.92	2.09	1.97															
Jun 30	1.97	1.94	1.93	1.95	1.96	1.97	1.94	1.93	1.92	1.93	1.93	1.93	1.93	S	1.91	1.91	1.90	1.90	1.91	1.91	1.91	1.91	1.92	1.92	1.93	1.90	1.97	1.93															
Diurnal Maximum	2.08	2.10	2.09	2.09	2.09	2.08	2.11	2.01	1.98	1.97	1.97	1.98	1.98	1.98	1.98	1.99	1.98	1.97	1.98	1.98	1.97	1.98	2.02	2.02																			
Diurnal Average	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.96	1.96																			
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.																																											

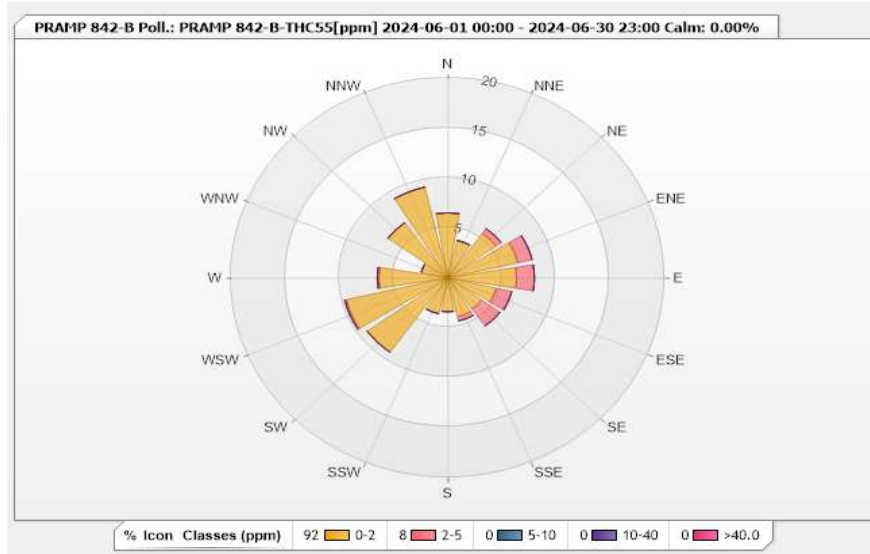


Station: PRAMP 842-B Poll.: PRAMP 842-B-THC55[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 93.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	6.51	0	0	0	0	6.51
NNE	3.85	0	0	0	0	3.85
NE	5.47	0.59	0	0	0	6.06
ENE	6.66	1.33	0	0	0	7.99
E	6.36	1.63	0	0	0	7.99
ESE	4.59	1.48	0	0	0	6.07
SE	3.85	2.07	0	0	0	5.92
SSE	3.99	0.44	0	0	0	4.43
S	3.4	0	0	0	0	3.4
SSW	3.7	0	0	0	0	3.7
SW	9.17	0	0	0	0	9.17
WSW	9.62	0.15	0	0	0	9.77
W	6.36	0.15	0	0	0	6.51
WNW	2.51	0	0	0	0	2.51
NW	6.8	0	0	0	0	6.8
NNW	9.32	0	0	0	0	9.32
Summary	92.16	7.84	0	0	0	100



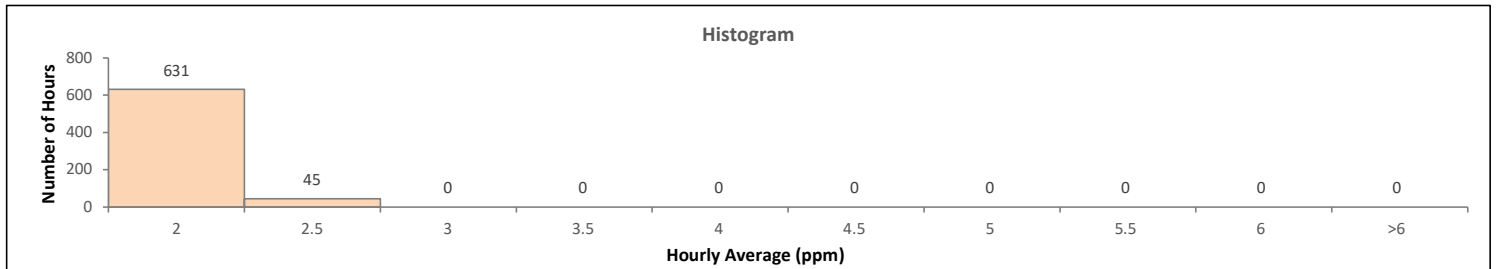
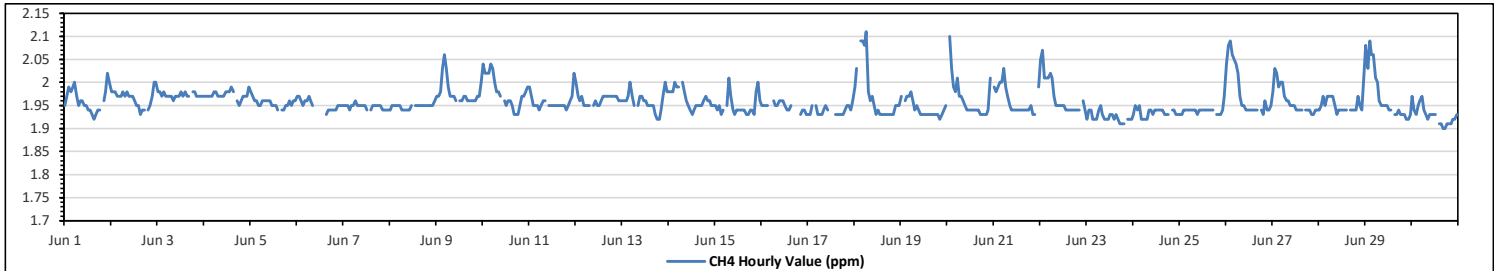
Peace River Area Monitoring Program

842-B Station - June 2024

Summary of Hourly Averages

METHANE (CH4) in ppm

Maximum Hourly Value:	2.11	ppm	on Jun 18 at hr 6	Hours in Service:	720																														
Maximum Daily Value:	1.98	ppm	on Jun 10	Hours of Data:	676																														
Minimum Hourly Value:	1.90	ppm	on Jun 30 at hr 16	Hours of Missing Data:	5																														
Minimum Daily Value:	1.92	ppm	on Jun 23	Hours of Calibration:	39																														
Monthly Average:	1.96	ppm		Operational Uptime:	99.3																														
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average									
Jun 1	1.95	1.97	1.99	1.98	1.99	2.00	1.97	1.95	1.96	1.96	1.95	1.95	1.94	1.94	1.93	1.92	1.93	1.94	1.94	S	1.96	1.98	2.02	2.00	1.92	2.02	1.96								
Jun 2	1.98	1.98	1.98	1.97	1.97	1.97	1.98	1.97	1.98	1.97	1.97	1.97	1.96	1.95	1.95	1.93	1.94	1.94	S	1.94	1.95	1.97	2.00	2.00	1.93	2.00	1.97								
Jun 3	1.98	1.98	1.97	1.98	1.97	1.97	1.97	1.97	1.96	1.97	1.97	1.97	1.98	1.97	1.98	1.97	1.97	S	1.98	1.98	1.97	1.97	1.97	1.97	1.96	1.98	1.97								
Jun 4	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.99	1.98	S	1.96	1.95	1.96	1.97	1.97	1.97	1.99	1.95	1.99	1.97								
Jun 5	1.98	1.97	1.96	1.96	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.94	S	1.94	1.94	1.95	1.95	1.96	1.95	1.96	1.96	1.94	1.98	1.96								
Jun 6	1.97	1.97	1.96	1.95	1.96	1.96	1.97	1.96	1.95	C	C	C	C	C	S	1.93	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.93	1.97	1.95								
Jun 7	1.95	1.95	1.95	1.94	1.95	1.95	1.96	1.95	1.95	1.95	1.95	1.95	1.94	S	1.94	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.96	1.95								
Jun 8	1.94	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.95	S	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.94	1.96	1.95								
Jun 9	1.97	1.97	1.98	2.03	2.06	2.03	1.99	1.97	1.97	1.97	1.96	S	1.96	1.96	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.97	1.97	2.00	1.96	2.06	1.98								
Jun 10	2.04	2.02	2.02	2.02	2.04	2.03	2.00	1.98	1.98	1.97	S	1.96	1.95	1.96	1.96	1.95	1.93	1.93	1.93	1.95	1.97	1.97	1.98	1.99	1.93	2.04	1.98								
Jun 11	1.99	1.97	1.95	1.95	1.95	1.94	1.95	1.96	1.96	S	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.95	1.96	1.97	2.02	1.94	2.02	1.96								
Jun 12	2.00	1.97	1.96	1.97	1.95	1.95	1.95	1.95	S	1.95	1.96	1.95	1.95	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.95	2.00	1.96								
Jun 13	1.96	1.96	1.96	1.97	2.00	1.97	1.95	S	1.95	1.97	1.97	1.96	1.96	1.95	1.95	1.95	1.95	1.93	1.92	1.92	1.94	1.97	2.00	1.98	1.92	2.00	1.96								
Jun 14	1.98	1.98	1.98	2.00	1.99	1.99	S	2.00	1.98	1.96	1.95	1.94	1.93	1.94	1.95	1.95	1.95	1.95	1.96	1.97	1.96	1.96	1.95	1.95	1.93	2.00	1.96								
Jun 15	1.95	1.94	1.95	1.93	1.94	S	1.95	2.01	1.97	1.94	1.93	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.94	1.94	1.93	1.98	2.00	1.96	1.93	2.01	1.95								
Jun 16	1.95	1.95	1.95	1.95	S	NRM	1.96	1.95	1.95	1.96	1.96	1.96	1.95	1.94	1.94	1.95	NRM	NRM	NRM	NRM	1.93	1.94	1.94	1.93	1.93	1.96	1.95								
Jun 17	1.93	1.93	1.95	S	1.95	1.93	1.93	1.93	1.94	1.95	1.94	Q	Q	Q	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.95	1.95	1.94	1.96	1.93	1.96								
Jun 18	1.99	2.03	S	2.09	2.09	2.08	2.11	1.98	1.96	1.97	1.95	1.93	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.95	1.95	1.95	1.93	2.11	1.97								
Jun 19	1.97	S	1.96	1.97	1.97	1.98	1.96	1.94	1.95	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.92	1.93	1.94	1.95	1.92	1.98	1.94								
Jun 20	S	2.10	2.03	1.99	1.98	2.01	1.97	1.97	1.96	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.94	2.01	S	1.93	2.10	1.96								
Jun 21	1.99	1.98	1.99	2.00	2.00	2.03	1.99	1.97	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.93	1.93	S	1.99	1.93	2.03	1.96								
Jun 22	2.05	2.07	2.01	2.01	2.01	2.02	2.01	1.97	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.96	1.94	1.94	2.07	1.97								
Jun 23	1.92	1.94	1.94	1.92	1.92	1.92	1.94	1.95	1.93	1.92	1.92	1.92	1.93	1.93	1.92	1.93	1.92	1.91	1.91	1.91	S	1.92	1.92	1.92	1.91	1.95	1.92								
Jun 24	1.93	1.95	1.94	1.95	1.92	1.92	1.92	1.94	1.94	1.94	1.93	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.93	S	1.94	1.94	1.93	1.93	1.92	1.95	1.93								
Jun 25	1.93	1.93	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.93	1.93	1.93	1.94	1.97	1.93	1.97	1.94								
Jun 26	2.04	2.08	2.09	2.06	2.05	2.04	2.02	1.97	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.94	1.93	1.96	1.94	1.94	1.95	1.93	2.09	1.98								
Jun 27	1.98	2.03	2.02	1.99	2.00	2.00	1.97	1.96	1.96	1.95	1.95	1.95	1.94	1.94	1.94	1.94	S	1.94	1.94	1.94	1.93	1.93	1.94	1.94	1.93	2.03	1.96								
Jun 28	1.94	1.95	1.97	1.95	1.97	1.97	1.97	1.97	1.95	1.93	1.94	1.94	1.94	1.94	1.94	S	1.94	1.94	1.94	1.94	1.97	1.95	1.94	2.01	1.93	2.01	1.95								
Jun 29	2.08	2.03	2.09	2.06	2.06	2.01	2.00	1.96	1.95	1.95	1.95	1.95	1.94	1.94	S	1.93	1.93	1.94	1.93	1.93	1.93	1.92	1.92	1.93	1.92	2.09	1.97								
Jun 30	1.97	1.94	1.93	1.95	1.96	1.97	1.94	1.93	1.92	1.93	1.93	1.93	S	1.91	1.91	1.90	1.90	1.91	1.91	1.91	1.91	1.92	1.92	1.93	1.90	1.97	1.93								
Diurnal Maximum	2.08	2.10	2.09	2.09	2.09	2.08	2.11	2.01	1.98	1.97	1.97	1.98	1.98	1.98	1.99	1.98	1.97	1.97	1.98	1.98	1.97	1.98	2.02	2.02											
Diurnal Average	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.96	1.96											
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.																																			

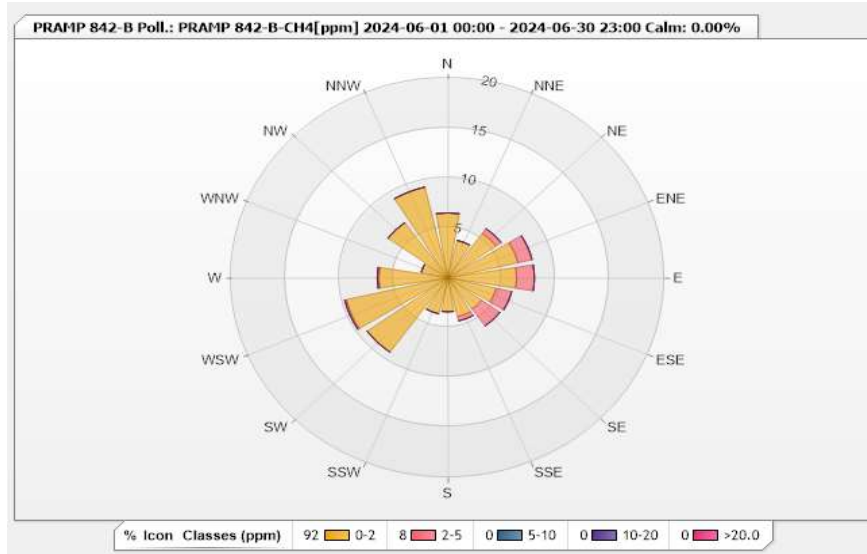


Station: PRAMP 842-B Poll.: PRAMP 842-B-CH4[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 93.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	6.51	0	0	0	0	6.51
NNE	3.85	0	0	0	0	3.85
NE	5.47	0.59	0	0	0	6.06
ENE	6.66	1.33	0	0	0	7.99
E	6.36	1.63	0	0	0	7.99
ESE	4.59	1.48	0	0	0	6.07
SE	3.85	2.07	0	0	0	5.92
SSE	3.99	0.44	0	0	0	4.43
S	3.4	0	0	0	0	3.4
SSW	3.7	0	0	0	0	3.7
SW	9.17	0	0	0	0	9.17
WSW	9.62	0.15	0	0	0	9.77
W	6.36	0.15	0	0	0	6.51
WNW	2.51	0	0	0	0	2.51
NW	6.8	0	0	0	0	6.8
NNW	9.32	0	0	0	0	9.32
Summary	92.16	7.84	0	0	0	100



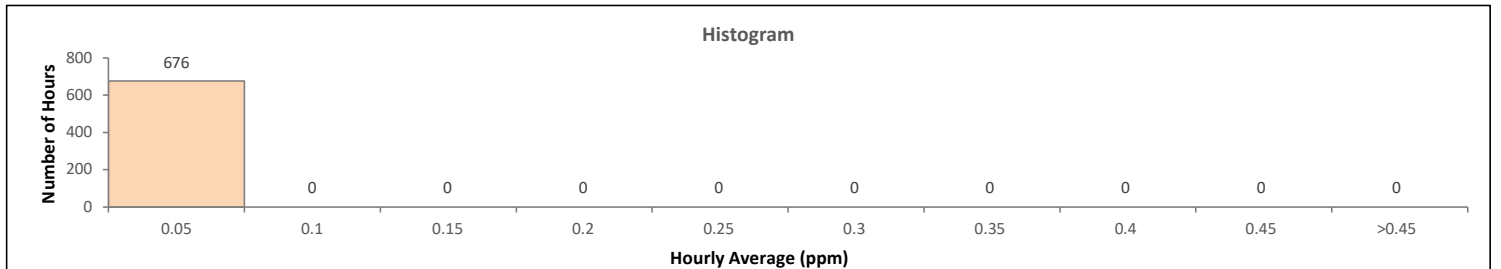
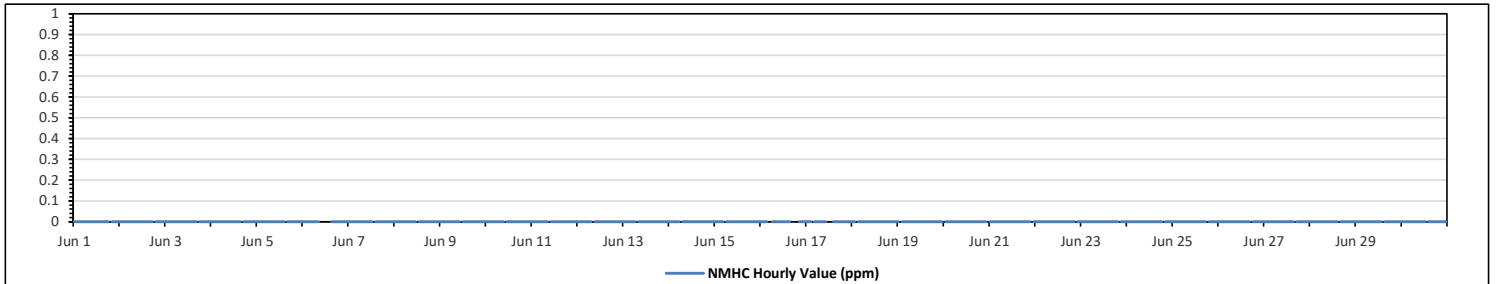
Peace River Area Monitoring Program

842-B Station - June 2024

Summary of Hourly Averages

NON-METHANE HYDROCARBONS (NMHC) in ppm

Maximum Hourly Value:	0.00	ppm	on Jun 1 at hr 0	Hours in Service:	720																						
Maximum Daily Value:	0.00	ppm	on Jun 1	Hours of Data:	676																						
Minimum Hourly Value:	0.00	ppm	on Jun 1 at hr 0	Hours of Missing Data:	5																						
Minimum Daily Value:	0.00	ppm	on Jun 1	Hours of Calibration:	39																						
Monthly Average:	0.00	ppm		Operational Uptime:	99.3																						
Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Jun 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	C	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 13	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	
Jun 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	
Jun 15	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	
Jun 16	0.00	0.00	0.00	0.00	S	NRM	0.00	0.00	0.00	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	
Jun 17	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	Q	Q	Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Jun 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	
Jun 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	
Jun 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	S	0.00	0.00	0.00	
Jun 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	
Jun 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	S	0.00	0.00	0.00	0.00	0.00	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Jun 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Jun 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	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	
Jun 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	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	
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	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	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.																											

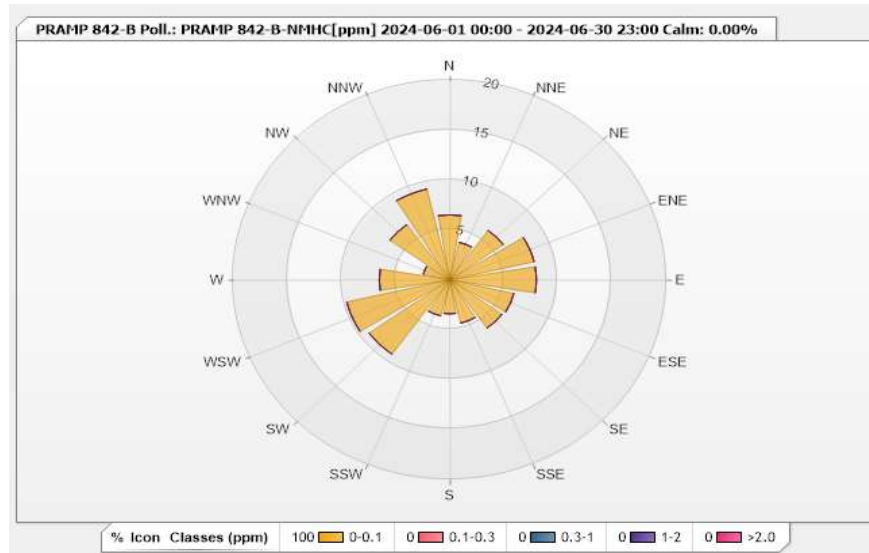


Station: PRAMP 842-B Poll.: PRAMP 842-B-NMHC[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 93.89% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	6.51	0	0	0	0	6.51
NNE	3.85	0	0	0	0	3.85
NE	6.07	0	0	0	0	6.07
ENE	7.99	0	0	0	0	7.99
E	7.99	0	0	0	0	7.99
ESE	6.07	0	0	0	0	6.07
SE	5.92	0	0	0	0	5.92
SSE	4.44	0	0	0	0	4.44
S	3.4	0	0	0	0	3.4
SSW	3.7	0	0	0	0	3.7
SW	9.17	0	0	0	0	9.17
WSW	9.76	0	0	0	0	9.76
W	6.51	0	0	0	0	6.51
WNW	2.51	0	0	0	0	2.51
NW	6.8	0	0	0	0	6.8
NNW	9.32	0	0	0	0	9.32
Summary	100	0	0	0	0	100



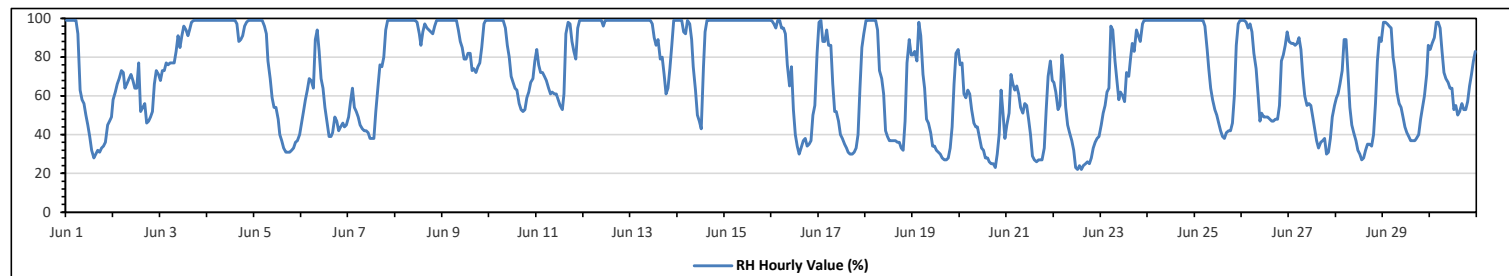
Peace River Area Monitoring Program

842-B Station - June 2024

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	99	%	on Jun 1 at hr 0	Hours in Service:	720																														
Maximum Daily Value:	99.0	%	on Jun 15	Hours of Data:	720																														
Minimum Hourly Value:	22	%	on Jun 22 at hr 12	Hours of Missing Data:	0																														
Minimum Daily Value:	40.1	%	on Jun 22	Hours of Calibration:	0																														
Monthly Average:	71.1	%		Operational Uptime:	100.0																														
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average									
Jun 1	99	99	99	99	99	99	92	63	58	56	50	45	39	32	28	30	32	31	33	34	36	45	47	49	28	99	58.1								
Jun 2	58	62	66	69	73	72	64	66	69	71	68	64	64	77	52	54	56	46	47	49	52	66	73	71	46	77	62.9								
Jun 3	68	73	73	77	76	77	77	77	83	91	85	91	96	94	91	94	98	99	99	99	99	99	99	99	68	99	88.1								
Jun 4	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	97	88	89	91	96	98	99	99	99	88	99	97.5								
Jun 5	99	99	99	99	99	96	92	78	69	59	54	54	48	40	37	33	31	31	31	32	33	36	37	40	31	99	59.4								
Jun 6	46	52	58	63	69	68	64	89	94	83	69	64	54	46	39	39	41	49	47	42	44	46	44	45	39	94	56.5								
Jun 7	49	57	64	54	52	49	45	43	42	42	41	38	38	38	52	65	76	75	80	94	99	99	99	99	38	99	62.1								
Jun 8	99	99	99	99	99	99	99	99	99	99	99	99	98	92	86	93	97	95	94	93	92	96	99	99	86	99	96.8								
Jun 9	99	99	99	99	99	99	99	99	99	99	94	88	85	79	79	82	82	73	74	72	75	77	85	97	72	99	88.8								
Jun 10	99	99	99	99	99	99	99	99	99	95	86	80	70	67	64	63	56	53	52	53	59	62	67	69	78	52	99	77.8							
Jun 11	84	76	72	72	70	68	64	61	62	61	61	58	55	53	61	92	98	97	88	83	79	95	99	99	53	99	75.3								
Jun 12	99	99	99	99	99	99	99	99	99	99	99	96	99	99	99	99	99	99	99	99	99	99	99	99	99	96	99	98.9							
Jun 13	99	99	99	99	99	99	99	99	99	99	99	99	97	90	86	89	79	80	71	61	64	74	86	99	61	99	90.2								
Jun 14	99	99	99	99	93	92	99	97	89	75	63	50	47	43	75	93	99	99	99	99	99	99	99	99	99	43	99	87.7							
Jun 15	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99.0							
Jun 16	99	97	95	99	99	95	95	92	76	65	75	53	40	34	30	33	37	38	34	35	37	50	55	82	30	99	64.4								
Jun 17	98	99	88	88	94	86	86	66	52	52	47	40	38	35	33	31	30	30	31	33	40	64	85	92	30	99	59.9								
Jun 18	99	99	99	99	99	99	94	73	69	61	42	39	37	37	37	37	36	36	33	32	47	77	89	81	32	99	64.6								
Jun 19	81	83	78	98	91	71	64	48	46	41	34	34	32	31	30	28	27	27	28	33	44	66	82	84	27	98	53.4								
Jun 20	76	77	61	59	63	61	53	46	44	44	38	33	32	28	28	26	25	25	23	30	40	63	51	38	23	77	44.3								
Jun 21	45	51	71	66	63	65	61	54	51	56	55	48	40	29	27	26	27	27	27	33	53	70	78	68	26	78	49.6								
Jun 22	67	62	53	55	81	71	54	45	41	37	32	23	22	24	22	24	25	26	25	28	33	36	38	39	22	81	40.1								
Jun 23	45	51	55	62	64	96	94	78	68	58	62	60	57	72	70	80	87	83	94	91	88	97	99	99	45	99	75.4								
Jun 24	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99.0							
Jun 25	99	99	99	99	99	96	84	74	64	58	53	50	46	42	39	38	41	42	42	42	46	60	86	97	99	38	99	68.8							
Jun 26	99	99	98	95	97	93	82	74	61	47	51	49	49	49	48	47	47	48	48	55	78	81	86	93	47	99	69.8								
Jun 27	88	87	87	86	87	90	84	70	60	55	56	55	49	43	37	33	36	37	38	30	31	38	49	55	30	90	57.5								
Jun 28	59	61	66	73	89	89	69	54	45	41	37	32	30	27	28	32	35	35	34	40	56	78	90	88	27	90	53.7								
Jun 29	98	98	97	96	95	80	73	62	56	54	49	44	41	39	37	37	37	38	40	48	54	60	71	86	37	98	62.1								
Jun 30	84	87	90	98	98	95	83	72	69	67	64	64	53	55	50	52	56	53	53	57	65	71	78	83	50	98	70.7								
Diurnal Maximum	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99								
Diurnal Average	84.4	85.3	85.3	86.4	88.0	86.9	82.1	75.5	71.2	67.7	64.3	60.8	57.6	57.1	56.4	57.6	58.8	58.2	58.1	60.3	66.0	75.6	80.2	82.0											
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.																																			



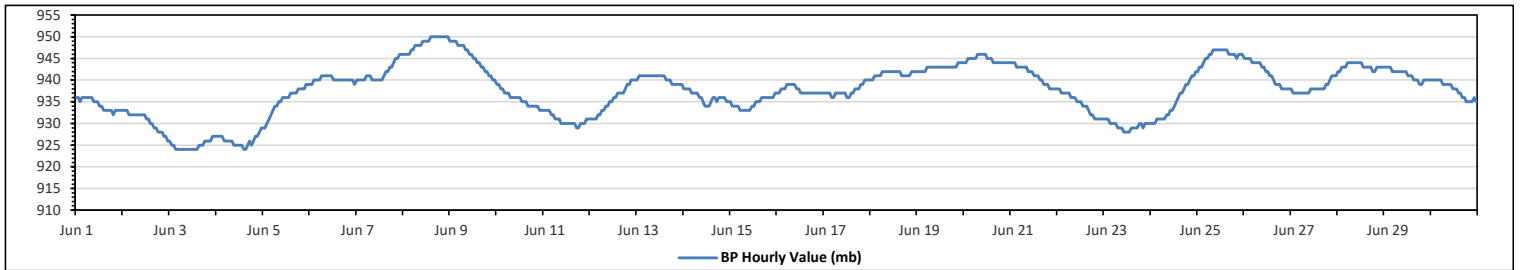
Peace River Area Monitoring Program

842-B Station - June 2024

Summary of Hourly Averages

BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	950	mb	on Jun 8 at hr 14	Hours in Service:	720																														
Maximum Daily Value:	949	mb	on Jun 8	Hours of Data:	720																														
Minimum Hourly Value:	924	mb	on Jun 3 at hr 3	Hours of Missing Data:	0																														
Minimum Daily Value:	925	mb	on Jun 3	Hours of Calibration:	0																														
Monthly Average:	938	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								
Jun 1	936	936	935	936	936	936	936	936	936	935	935	935	934	934	933	933	933	933	933	932	933	933	933	933	932	936	934								
Jun 2	933	933	933	932	932	932	932	932	932	932	932	932	931	931	930	930	929	929	928	928	928	927	927	926	926	933	930								
Jun 3	926	925	925	924	924	924	924	924	924	924	924	924	924	924	924	925	925	925	926	926	926	926	927	927	924	927	925								
Jun 4	927	927	927	927	926	926	926	926	926	925	925	925	925	925	924	924	925	926	925	926	927	927	928	929	924	929	926								
Jun 5	929	929	930	931	932	933	934	934	935	935	936	936	936	936	937	937	937	937	938	938	938	938	939	939	929	939	935								
Jun 6	939	939	940	940	940	940	941	941	941	941	941	941	940	940	940	940	940	940	940	940	940	940	940	939	939	941	940								
Jun 7	940	940	940	940	940	941	941	941	941	940	940	940	940	940	941	942	942	943	943	944	945	945	946	946	940	946	942								
Jun 8	946	946	946	946	947	947	948	948	948	948	949	949	949	949	950	950	950	950	950	950	950	950	950	950	946	950	949								
Jun 9	949	949	949	949	948	948	948	948	947	947	946	946	945	945	944	944	943	942	942	941	941	940	940	940	940	949	945								
Jun 10	939	939	938	938	937	937	937	936	936	936	936	936	936	935	935	935	934	934	934	934	934	934	933	933	933	939	936								
Jun 11	933	933	933	933	932	932	931	931	931	930	930	930	930	930	930	930	930	929	929	930	930	930	931	931	929	933	931								
Jun 12	931	931	931	931	932	932	933	933	934	934	935	935	936	936	937	937	937	937	938	939	939	940	940	940	931	940	935								
Jun 13	940	941	941	941	941	941	941	941	941	941	941	941	941	941	941	940	940	940	939	939	939	939	939	939	939	941	940								
Jun 14	938	938	938	938	937	937	937	937	936	936	935	934	934	934	935	936	936	935	936	936	936	936	935	935	934	938	936								
Jun 15	935	934	934	934	934	933	933	933	933	933	933	934	934	935	935	935	936	936	936	936	936	936	936	937	933	937	935								
Jun 16	937	937	938	938	938	939	939	939	939	939	938	938	937	937	937	937	937	937	937	937	937	937	937	937	937	939	938								
Jun 17	937	937	937	937	936	936	937	937	937	937	937	937	936	936	937	937	938	938	938	939	939	940	940	940	936	940	938								
Jun 18	940	940	941	941	941	941	942	942	942	942	942	942	942	942	942	941	941	941	941	941	941	942	942	942	940	942	941								
Jun 19	942	942	942	942	942	943	943	943	943	943	943	943	943	943	943	943	943	943	943	943	943	944	944	944	942	944	943								
Jun 20	944	944	945	945	945	945	945	946	946	946	946	946	945	945	945	944	944	944	944	944	944	944	944	944	944	946	945								
Jun 21	944	944	944	943	943	943	943	943	943	942	942	942	941	941	941	940	940	939	939	939	938	938	938	938	938	944	941								
Jun 22	938	938	937	937	937	937	937	936	936	936	935	935	935	934	934	934	933	932	932	931	931	931	931	931	931	938	935								
Jun 23	931	931	931	930	930	930	930	929	929	929	928	928	928	928	929	929	929	929	930	930	929	930	930	930	928	931	929								
Jun 24	930	930	930	931	931	931	931	931	932	932	933	933	934	935	936	937	937	938	939	939	940	941	941	942	930	942	935								
Jun 25	942	943	943	944	945	945	946	946	947	947	947	947	947	947	947	946	946	946	946	945	946	946	946	946	942	947	946								
Jun 26	945	945	945	945	944	944	944	944	944	943	943	942	942	941	941	940	939	939	939	938	938	938	938	938	938	945	942								
Jun 27	938	937	937	937	937	937	937	937	937	937	938	938	938	938	938	938	938	938	939	939	940	941	941	941	937	941	938								
Jun 28	942	942	943	943	943	944	944	944	944	944	944	944	944	943	943	943	943	942	942	943	943	943	943	943	942	944	943								
Jun 29	943	943	943	943	942	942	942	942	942	942	942	942	941	941	941	940	940	940	939	939	940	940	940	940	939	943	941								
Jun 30	940	940	940	940	940	940	939	939	939	939	939	938	938	938	937	937	936	936	935	935	935	935	936	935	935	940	938								
Diurnal Maximum	949	949	949	949	948	948	948	948	948	948	949	949	949	949	950	950	950	950	950	950	950	950	950	950	950										
Diurnal Average	938	938	938	938	938	938	938	938	938	938	938	938	938	938	939	938	937	937	937	937	938	938	938	938	938										
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 - June 2024

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

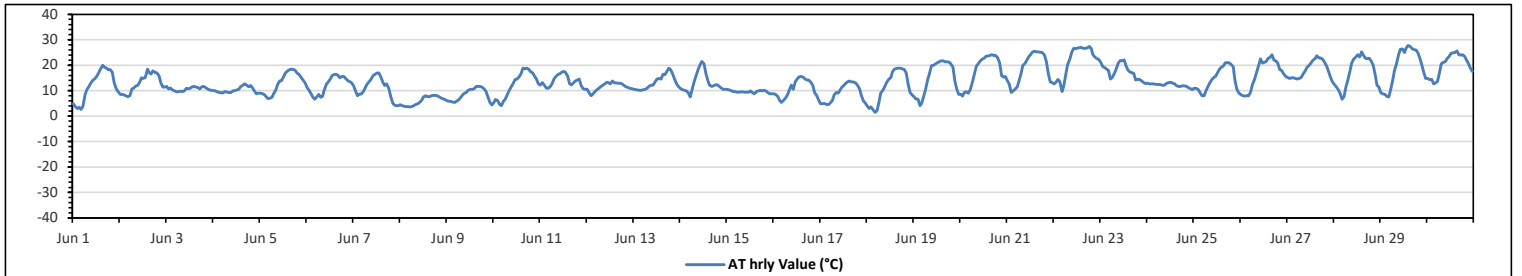
Maximum Hourly Value:	27.7	°C	on Jun 29 at hr 14	Hours in Service:	720
Maximum Daily Value:	21.6	°C	on Jun 22	Hours of Data:	720
Minimum Hourly Value:	1.5	°C	on Jun 18 at hr 4	Hours of Missing Data:	0
Minimum Daily Value:	6.0	°C	on Jun 8	Hours of Calibration:	0
Monthly Average:	13.7	°C		Operational Uptime:	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
Jun 1	4.8	3.6	2.9	3.5	2.6	3.8	8.5	10.5	11.7	13	14	14.7	15.6	17	18.4	20	19.1	18.8	18.2	18.3	17.2	13.1	10.8	9.6	2.6	20.0	12.1
Jun 2	8.5	8.5	8.3	8	7.6	8.1	10.7	11	11.8	12.1	13.2	15	14.8	15.2	18.5	16.9	16.5	17.8	17.2	17	15.8	12.9	11.4	11.4	7.6	18.5	12.8
Jun 3	11.6	10.7	11	10.3	9.9	9.5	9.6	9.7	9.6	9.8	10.9	10.8	10.9	11.5	11.6	11.4	11.3	10.7	11.5	11.6	11.1	10.7	10.3	10.1	9.5	11.6	10.7
Jun 4	10	9.8	9.5	9.3	9.1	9.2	9.6	9.4	9.3	9.3	9.8	10	10.3	10.5	11.5	12	12.6	12.2	11.5	12.1	11.3	9.9	8.8	9	8.8	12.6	10.3
Jun 5	9	8.9	8.5	7.8	6.9	7	7.3	9	10.3	12.5	13.8	13.9	15.4	17	17.7	18.2	18.5	18.3	18.1	16.9	16.3	15.1	14.2	13.2	6.9	18.5	13.1
Jun 6	11.4	10.3	9	7.7	6.6	7.3	8.5	7.3	7.8	10.2	12.5	13.5	14.6	15.9	16.3	16.4	16.1	15	15.5	15.5	14.7	13.9	13.6	13	6.6	16.4	12.2
Jun 7	11.9	9.8	8	8.6	8.6	9.7	11	12.5	13.4	14.5	15.9	16.4	16.9	17	15.4	13.4	12.1	12.6	10.9	7.8	5.3	4.3	4.1	4.1	4.1	17.0	11.0
Jun 8	4.5	4.2	3.9	3.8	3.7	3.6	3.8	4.2	4.6	4.8	5.5	6.3	7.5	8	7.6	7.7	8	8.2	8.2	8	7.7	7.1	6.8	6.5	3.6	8.2	6.0
Jun 9	6	5.9	5.7	5.5	5.4	5.8	6.4	7.4	8.4	9	9.3	10.1	10.5	10.5	10.8	11.7	11.7	11.7	11.4	10.8	9.9	7.5	5.4	4.3	4.3	11.7	8.4
Jun 10	5.2	6.5	6.1	4.6	4.2	5.7	6.9	8.4	10	11.4	12.6	14.4	14.6	15.4	16.5	18.8	18.6	18.9	18.5	17.5	17	15.6	14.7	12.8	4.2	18.9	12.3
Jun 11	12.2	13.2	12.2	11	10.9	11.5	12.7	14.5	15.6	16.3	16.7	17.3	17.6	17.2	15.7	12.6	12.3	13	13.8	14.2	14.6	12.1	10.8	10.5	10.5	17.6	13.7
Jun 12	10.5	9.2	8.1	8.6	9.6	10.3	10.9	11.5	12.1	12.6	13.3	13.2	12.7	13.7	13	13	12.9	12.9	12.7	12	11.5	11.2	10.9	10.8	8.1	13.7	11.6
Jun 13	10.6	10.4	10.3	10.2	10.2	10.4	10.5	11	11.8	12.2	12.2	13.4	14.5	14.9	14.6	16.4	16.3	17.6	18.9	18.2	16.5	14.5	12.5	11.7	10.2	18.9	13.3
Jun 14	10.9	10.4	10.1	9.8	9.2	7.5	10.6	13.5	15.8	18.1	20	21.5	20.5	16.6	14.4	12.2	11.6	11.9	12.3	12.3	11.6	11	10.6	10.5	7.5	21.5	13.0
Jun 15	10.6	10.3	10	9.6	9.6	9.4	9.4	9.5	9.5	9.4	9.4	9.4	9.8	9.3	8.8	9.6	9.8	10.1	9.9	10.1	9.8	9.1	8.7	8.8	8.7	10.6	9.6
Jun 16	8.8	8.4	7.6	6.2	5.4	6.3	7.1	8.4	10.4	12.2	10.6	13.4	14.5	15.4	15.6	15.3	14.6	14.1	14.1	13.3	12	9.2	8.2	6.1	5.4	15.6	10.7
Jun 17	4.9	4.8	5	4.6	4.4	5.3	6.1	8.3	9.3	9	10.1	11.4	12.1	13.1	13.6	13.8	13.4	13.4	13.1	12	10.8	8.1	6	5.1	4.4	13.8	9.1
Jun 18	4	3	3.6	2.3	1.5	2.2	5.6	9	10.1	11.6	13.3	14.4	15.1	17.5	18.5	18.7	18.8	18.8	18.6	18.3	17	12.5	9.3	8.4	1.5	18.8	11.3
Jun 19	7.6	6.8	6.7	4.2	5	7.5	10.3	14.3	16.9	19.8	20	20.4	20.9	21.4	21.7	21.7	21.3	21.4	21.2	20.6	19.1	13.8	10.6	8.5	4.2	21.7	15.1
Jun 20	8.6	7.9	9.4	9.5	9	10.4	13.4	16.5	19.6	20.6	21.6	22.3	22.8	23.5	23.6	23.9	24.1	23.9	23.9	22.9	20.8	16	15.3	15.5	7.9	24.1	17.7
Jun 21	13.9	12.5	9.3	9.9	10.6	11.5	14	16.8	19.9	20.7	22	23.3	24.3	25.3	25.5	25.3	25.2	25.1	25	24	21.3	16.7	13.5	13.2	9.3	25.5	18.7
Jun 22	12.6	13.3	14.4	13.6	9.6	11.6	15.9	20.1	22.4	25	26.7	26.5	26.8	26.9	27	26.7	26.6	26.8	27.3	26.6	24.3	23.2	22.6	22.2	9.6	27.3	21.6
Jun 23	21.1	19.4	19	18.4	17.9	14.6	15.1	17	18.9	21	21.8	21.7	22.1	19.7	18.1	17.4	17.1	16.8	14.1	14.4	14.4	13.8	13.2	12.8	12.8	22.1	17.5
Jun 24	12.9	12.6	12.6	12.6	12.5	12.4	12.4	12.3	12.1	12.3	12.9	13.2	13.3	12.9	12.6	11.9	11.6	11.6	11.9	11.9	11.6	11.1	10.8	10.4	10.4	13.3	12.2
Jun 25	10.9	10.9	10.5	9.3	8.1	8.1	9.7	11.4	12.9	14.1	15.1	15.7	17.1	18.5	19.1	19.7	21	20.9	21	20.3	19.3	14.2	10.7	9.1	8.1	21.0	14.5
Jun 26	8.4	8	7.9	8.1	8	9.4	12.4	14.3	16.8	19.9	22.5	20.8	21.1	21.4	22.8	23.1	24.2	22	21.7	20.8	18.3	17.9	16.7	15.6	7.9	24.2	16.8
Jun 27	15.1	14.9	15	15	14.8	14.6	14.9	15.2	16.6	17.8	19	19.9	20.7	22	22.5	23.7	22.9	22.9	22.3	21.2	19.8	17.8	15.2	13.4	13.4	23.7	18.2
Jun 28	12.4	11.7	10.4	8.9	6.6	7.7	11.4	14.2	17.3	20.8	22.4	23	24.1	23.2	25.3	23.8	22.7	22.6	22.7	21.6	20.1	16	12.2	11.4	6.6	25.3	17.2
Jun 29	9.2	8.7	8.5	7.8	7.5	10.6	13.9	18.1	20.4	23.8	26.2	26.4	25	26.7	27.7	27.3	26.5	26.1	25.9	24.8	22.8	20.2	17.4	14.9	7.5	27.7	19.4
Jun 30	14.9	14.3	14.4	12.6	13	13.6	16.8	20.6	21.1	21.4	22.8	23.3	24.6	24.9	25	25.6	24.1	24	24.1	23.5	21.9	20.6	18.8	17.6	12.6	25.6	20.1
Diurnal Maximum	21.1	19.4	19.0	18.4	17.9	14.6	16.8	20.6	22.4	25.0	26.7	26.5	26.8	26.9	27.7	27.3	26.6	26.8	27.3	26.6	24.3	23.2	22.6	22.2			
Diurnal Average	10.1	9.6	9.3	8.7	8.3	8.8	10.5	12.2	13.5	14.8	15.9	16.5	17.0	17.4	17.6	17.6	17.4	17.3	17.2	16.6	15.5	13.3	11.8	11.0			

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

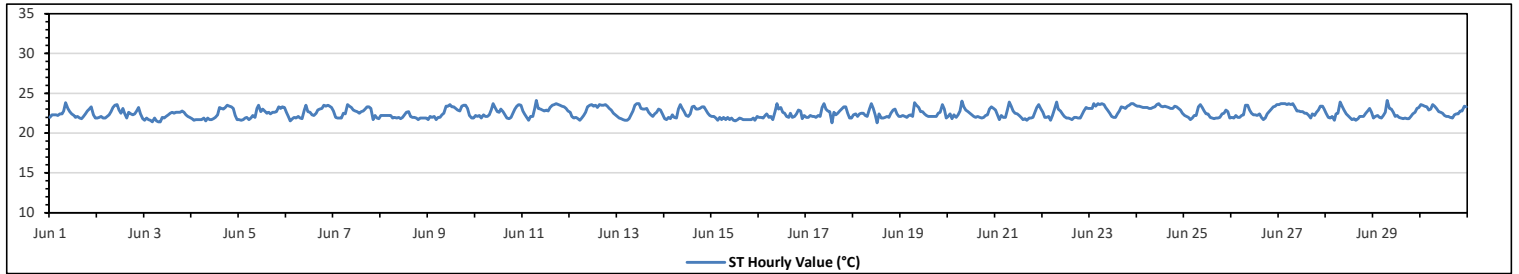
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

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 - June 2024
Summary of Hourly Averages
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	24.1	°C	on Jun 11 at hr 7	Hours in Service:	720																						
Maximum Daily Value:	23.2	°C	on Jun 24	Hours of Data:	720																						
Minimum Hourly Value:	21.3	°C	on Jun 17 at hr 13	Hours of Missing Data:	0																						
Minimum Daily Value:	21.8	°C	on Jun 15	Hours of Calibration:	0																						
Monthly Average:	22.5	°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
Jun 1	22.0	22.3	22.3	22.3	22.2	22.4	22.4	22.8	23.8	23.1	22.7	22.4	22.2	22.0	22.1	21.9	21.8	22.1	22.4	22.8	23.0	23.3	22.3	21.9	21.8	23.8	22.4
Jun 2	21.9	22.0	22.1	21.9	21.9	22.1	22.3	22.7	23.2	23.5	23.6	22.9	22.5	23.1	22.4	21.9	22.6	22.4	22.3	22.4	22.8	23.2	22.4	21.8	21.8	23.6	22.5
Jun 3	21.6	21.9	21.7	21.6	21.4	21.9	21.5	21.4	21.4	22.0	21.9	22.1	22.3	22.5	22.6	22.5	22.6	22.6	22.6	22.8	22.6	22.3	22.1	22.0	21.4	22.8	22.1
Jun 4	21.8	21.6	21.7	21.7	21.7	21.7	21.9	21.5	21.9	21.7	21.7	21.8	22.0	22.3	23.2	23.1	23.0	23.2	23.5	23.4	23.3	23.1	22.2	21.7	21.5	23.5	22.3
Jun 5	21.7	21.6	21.7	21.9	22.0	21.7	21.9	22.2	22.0	23.1	23.5	22.7	23.0	22.8	22.5	22.6	22.4	22.6	22.6	22.7	23.3	23.1	23.3	23.2	21.6	23.5	22.5
Jun 6	22.6	22.1	21.5	21.8	22.0	21.9	22.1	21.9	21.8	22.9	23.5	22.7	22.6	22.3	22.2	22.5	22.9	23.0	23.1	23.5	23.4	23.5	23.4	23.2	21.5	23.5	22.6
Jun 7	22.8	22.0	21.9	21.9	21.9	22.5	22.4	23.6	23.4	23.2	22.9	22.8	22.7	22.5	22.7	22.8	23.0	23.3	23.3	23.1	21.7	22.2	21.9	21.8	21.7	23.6	22.6
Jun 8	22.2	22.2	22.2	22.2	22.2	22.2	21.9	22.0	21.9	22.0	21.8	22.0	22.3	22.6	22.7	22.1	22.0	22.0	21.9	21.7	21.9	21.9	21.9	21.9	21.7	22.7	22.1
Jun 9	21.7	22.1	22.0	22.1	21.7	22.0	22.0	22.3	22.5	23.4	23.4	23.6	23.3	23.3	23.1	22.9	22.8	23.4	23.5	23.5	23.1	22.2	21.9	21.9	21.7	23.6	22.7
Jun 10	22.2	22.1	22.2	21.9	22.3	22.1	22.1	22.3	22.9	23.7	23.2	22.7	22.6	23.0	22.7	22.3	21.9	21.8	22.0	22.4	23.0	23.4	23.6	23.5	21.8	23.7	22.6
Jun 11	22.8	22.4	22.0	21.6	22.1	22.1	23.1	24.1	23.1	23.0	22.9	22.8	22.9	22.8	23.2	23.5	23.6	23.7	23.6	23.5	23.4	23.3	23.1	22.8	21.6	24.1	23.0
Jun 12	22.6	22.1	21.9	22.0	21.8	21.6	21.9	22.2	22.6	23.3	23.5	23.6	23.4	23.5	23.2	23.6	23.5	23.5	23.6	23.4	23.1	22.9	22.5	22.3	21.6	23.6	22.8
Jun 13	22.1	21.9	21.8	21.7	21.6	21.6	21.8	22.3	22.8	23.5	23.7	23.7	23.1	23.0	23.0	23.1	22.6	22.3	22.1	22.4	22.6	23.0	22.9	22.4	21.6	23.7	22.5
Jun 14	21.8	21.7	22.0	21.8	22.3	22.0	21.9	23.0	23.6	23.1	22.7	22.2	22.1	22.4	23.3	23.4	23.0	23.0	23.1	23.3	23.3	22.9	22.5	22.2	21.7	23.6	22.6
Jun 15	22.1	22.1	21.9	21.6	22.0	21.7	22.0	21.7	22.0	21.7	21.9	21.6	21.5	21.7	21.9	21.8	21.7	21.7	21.7	21.7	21.7	21.9	21.6	22.1	21.5	22.1	21.8
Jun 16	22.0	22.0	21.9	22.2	22.4	22.0	22.1	21.7	22.7	23.7	23.0	23.2	22.6	22.5	22.1	22.0	22.5	22.0	22.1	22.4	22.9	22.8	21.8	22.2	21.7	23.7	22.4
Jun 17	22.0	22.0	22.2	22.1	22.1	22.0	22.2	22.1	23.2	23.7	23.0	22.8	22.7	21.3	22.6	22.3	22.5	22.8	23.0	23.3	23.3	22.5	21.9	21.9	21.3	23.7	22.5
Jun 18	22.3	22.4	22.1	22.4	22.5	22.5	22.2	22.1	23.0	23.7	23.1	22.3	21.3	22.4	21.9	21.9	22.0	22.1	22.0	22.5	22.9	23.0	22.4	22.1	21.3	23.7	22.4
Jun 19	22.1	22.2	22.1	22.0	22.2	22.3	22.1	23.8	23.5	23.2	22.7	22.7	22.4	22.2	22.1	22.1	22.1	22.1	22.1	22.5	22.6	23.6	23.0	21.9	21.9	23.8	22.5
Jun 20	22.1	22.4	21.8	22.3	22.0	22.3	22.8	24.0	23.3	22.9	22.7	22.5	22.3	22.1	22.0	22.1	22.0	21.9	22.0	22.2	22.3	23.0	23.3	23.1	21.8	24.0	22.5
Jun 21	22.9	22.3	21.7	22.2	22.0	22.0	22.9	23.9	23.4	22.8	22.5	22.4	22.2	22.0	21.7	21.8	21.6	21.9	21.9	22.0	22.5	23.2	23.6	23.1	21.6	23.9	22.4
Jun 22	22.6	22.0	22.0	22.1	21.6	22.2	23.1	23.9	23.0	22.8	22.4	22.1	21.9	21.9	21.8	21.7	22.0	22.0	21.9	21.9	22.3	22.8	23.2	23.1	21.6	23.9	22.3
Jun 23	23.1	23.1	23.7	23.4	23.7	23.6	23.7	23.6	23.2	22.9	22.5	22.1	22.0	22.0	22.4	22.8	23.3	23.2	23.1	23.4	23.5	23.7	23.7	23.5	22.0	23.7	23.1
Jun 24	23.4	23.4	23.3	23.2	23.2	23.2	23.1	23.1	23.2	23.3	23.6	23.7	23.4	23.3	23.4	23.3	23.2	23.1	23.1	23.4	23.3	23.1	22.9	22.5	22.5	23.7	23.2
Jun 25	22.2	22.1	22.0	21.7	21.9	22.2	22.2	23.3	23.6	23.2	22.8	22.4	22.4	22.0	21.9	21.8	21.9	21.9	22.0	22.4	22.5	22.9	22.7	21.9	21.7	23.6	22.3
Jun 26	22.0	21.9	22.2	22.0	22.0	22.2	22.3	23.5	23.5	22.9	22.5	22.3	22.3	22.2	22.4	22.0	21.7	21.9	22.4	22.7	23.0	23.3	23.4	23.6	21.7	23.6	22.5
Jun 27	23.6	23.7	23.7	23.7	23.6	23.7	23.6	23.7	23.3	22.8	22.8	22.7	22.7	22.5	22.5	22.2	21.9	22.4	22.2	22.6	22.9	23.4	23.4	23.0	21.9	23.7	23.0
Jun 28	22.5	22.0	21.9	22.1	21.6	22.4	22.5	23.9	23.4	22.9	22.4	22.2	22.0	21.7	21.8	21.6	21.8	22.1	22.1	22.1	22.5	22.8	23.1	22.6	21.6	23.9	22.3
Jun 29	21.9	22.1	22.2	22.0	21.9	22.2	22.6	24.1	23.1	23.0	22.6	22.1	22.2	22.0	21.9	21.8	21.9	21.8	21.8	22.1	22.4	22.6	23.1	23.2	21.8	24.1	22.4
Jun 30	23.6	23.5	23.4	23.3	22.9	23.0	23.6	23.4	23.1	22.7	22.6	22.5	22.2	22.1	22.1	22.0	21.9	22.3	22.4	22.4	22.8	22.8	23.4	23.3	21.9	23.6	22.8
Diurnal Maximum	23.6	23.7	23.7	23.7	23.7	23.7	23.7	24.1	23.8	23.7	23.7	23.7	23.7	23.4	23.5	23.4	23.6	23.6	23.7	23.6	23.5	23.5	23.7	23.7	23.6		
Diurnal Average	22.3	22.2	22.2	22.2	22.2	22.2	22.4	22.9	22.9	23.0	22.8	22.6	22.4	22.4	22.4	22.4	22.4	22.4	22.5	22.5	22.7	22.8	22.9	22.8	22.5		
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.																											



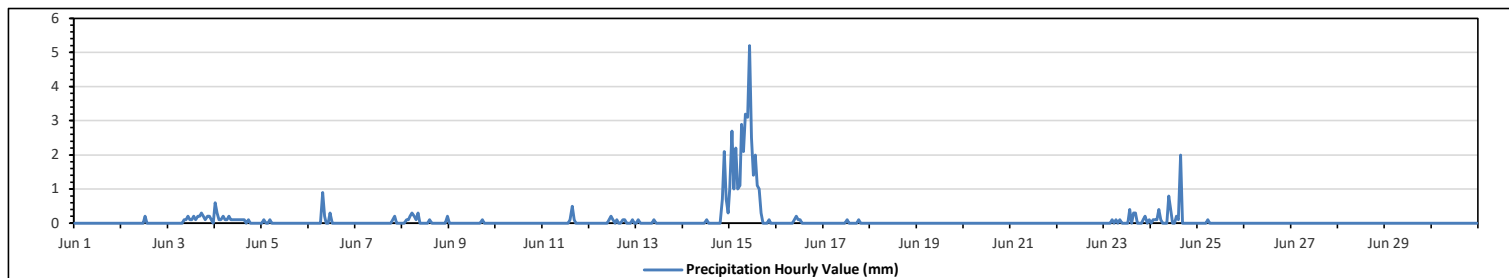
Peace River Area Monitoring Program

842-B Station - June 2024

Summary of Hourly Averages

PRECIPITATION in mm

Maximum Hourly Value:	5.2	mm	on Jun 15 at hr 10	Hours in Service:	720																							
Maximum Daily Value:	33.9	mm	on Jun 15	Hours of Data:	720																							
Minimum Hourly Value:	0.0	mm	on Jun 1 at hr 0	Hours of Missing Data:	0																							
Minimum Daily Value:	0.0	mm	on Jun 1	Hours of Calibration:	0																							
Monthly Total:	55.1	mm		Operational Uptime:	100.0																							
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Total		
Jun 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		
Jun 2	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.2	
Jun 3	0	0	0	0	0	0	0	0	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.1	0	0.0	0.3	2.4	
Jun 4	0.6	0.3	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0	0	0	0	0	0.0	0.6	2.6	
Jun 5	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.2	
Jun 6	0	0	0	0	0	0	0	0.9	0.2	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.9	1.4	
Jun 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	0	0	0	0.0	0.2	0.3	
Jun 8	0	0	0.1	0.1	0.2	0.3	0.2	0.1	0.3	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0.2	0.0	0.3	1.6	
Jun 9	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	
Jun 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	
Jun 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5	0.1	0	0	0	0	0	0	0	0.0	0.5	0.7	
Jun 12	0	0	0	0	0	0	0	0	0	0	0.1	0.2	0.1	0	0.1	0	0	0.1	0.1	0	0	0	0.1	0	0.0	0.2	0.8	
Jun 13	0	0.1	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.2	
Jun 14	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0.7	2.1	0.7	0.3	0.0	2.1	3.9
Jun 15	1	2.7	1	2.2	1	1.1	2.9	2.1	3.2	3.1	5.2	2.5	1.4	2	1.1	1	0.3	0	0	0	0.1	0	0	0	0.0	5.2	33.9	
Jun 16	0	0	0	0	0	0	0	0	0	0.1	0.2	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.5	
Jun 17	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0.1	0	0	0	0	0.0	0.1	0.2	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 23	0	0	0	0	0.1	0	0.1	0	0.1	0	0	0	0	0.4	0	0.3	0.3	0	0	0	0.1	0.2	0	0.1	0.0	0.4	1.7	
Jun 24	0	0.1	0.1	0.1	0.4	0.1	0	0	0	0.8	0.4	0	0	0.2	0.1	2	0	0	0	0	0	0	0	0	0.0	2.0	4.3	
Jun 25	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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Diurnal Maximum	1.0	2.7	1.0	2.2	1.0	1.1	2.9	2.1	3.2	3.1	5.2	2.5	1.4	2.0	1.1	2.0	0.3	0.3	0.2	0.1	0.7	2.1	0.7	0.3				
Diurnal Average	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	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.																												



Peace River Area Monitoring Program

842-B Station - June 2024

Summary of Hourly Averages

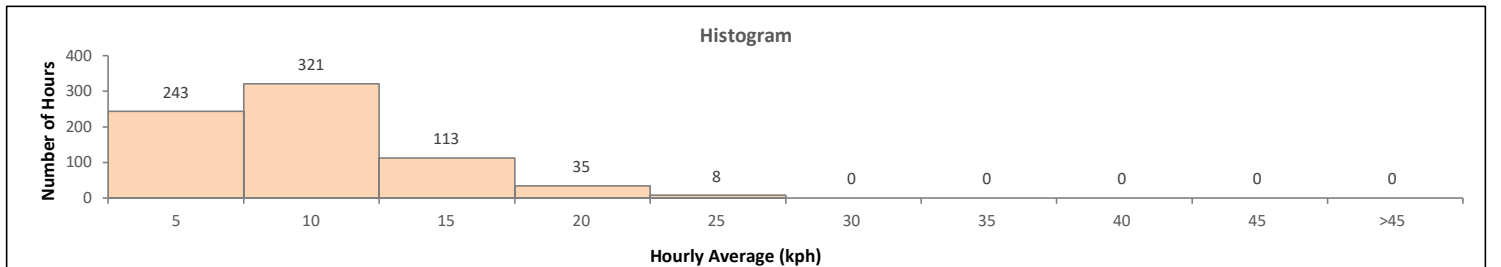
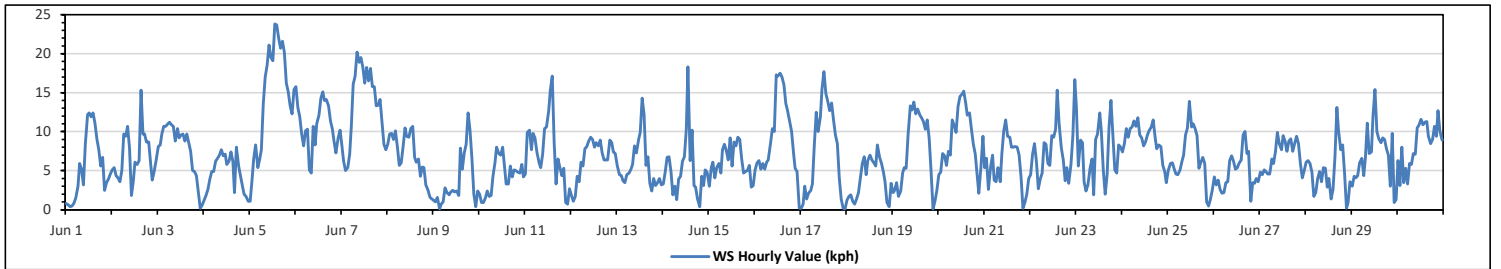
VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	23.8	kph	on Jun 5 at hr 13	Hours in Service:	720
Maximum Daily Value:	14.7	kph	on Jun 5	Hours of Data:	720
Minimum Hourly Value:	0.1	kph	on Jun 9 at hr 3	Hours of Missing Data:	0
Minimum Daily Value:	3.6	kph	on Jun 9	Hours of Calibration:	0
Monthly Average:	1.7	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
Jun 1	0.8	0.6	0.4	0.5	0.8	1.5	3.0	5.9	5.2	3.2	8.5	12.2	12.4	11.9	12.4	11.1	9.1	7.7	5.6	6.7	2.5	3.5	3.9	4.6	0.4	12.4	5.6
Jun 2	5.1	5.4	4.4	4.1	3.6	5.0	9.7	9.4	10.7	7.9	1.8	3.7	6.1	5.8	6.3	15.3	9.7	9.7	8.7	5.9	3.8	4.9	6.3	1.8	15.3	6.8	
Jun 3	8.1	8.3	9.7	10.7	10.7	11.0	11.2	10.9	10.7	8.8	10.4	9.2	9.6	9.7	8.8	9.7	8.6	7.5	5.0	4.9	4.4	2.3	0.2	0.6	0.2	11.2	8.0
Jun 4	1.2	1.8	2.6	3.9	4.9	4.9	6.2	6.6	7.0	7.7	6.9	7.1	5.8	6.2	7.4	6.2	2.2	8.0	5.6	4.3	3.0	2.0	1.7	1.1	1.1	8.0	4.8
Jun 5	1.1	3.4	6.5	8.3	5.4	6.5	7.7	13.6	17.0	18.5	21.1	19.5	19.1	23.8	23.7	22.0	20.7	21.6	20.1	16.2	15.1	13.3	12.3	15.4	1.1	23.8	14.7
Jun 6	15.8	13.1	11.9	9.7	8.2	10.1	10.3	5.1	4.7	10.7	8.3	11.0	12.1	14.3	15.1	14.0	14.1	13.3	11.4	10.3	8.8	7.3	9.2	10.2	4.7	15.8	10.8
Jun 7	8.1	6.2	5.0	5.4	7.1	10.6	16.1	17.1	20.2	18.9	19.5	18.3	16.2	18.2	16.5	18.1	15.8	15.8	13.3	13.4	14.1	11.2	8.4	7.7	5.0	20.2	13.4
Jun 8	8.4	9.7	9.8	9.0	10.1	8.1	5.7	6.0	8.1	10.5	9.4	9.3	10.4	10.7	6.7	6.1	6.5	4.3	5.5	5.4	3.2	2.5	1.6	1.4	1.4	10.7	7.0
Jun 9	1.2	1.0	1.6	0.1	0.7	1.0	2.8	2.2	1.9	2.3	2.5	2.3	2.4	1.8	7.9	5.2	7.3	8.4	12.4	10.2	6.6	2.0	0.4	2.4	0.1	12.4	3.6
Jun 10	2.0	0.9	0.9	1.5	2.4	1.7	1.8	4.4	6.0	8.0	7.2	7.0	8.0	5.5	3.3	3.3	5.6	4.2	5.1	5.0	4.8	4.7	5.8	4.2	0.9	8.0	4.3
Jun 11	4.6	9.9	10.2	7.7	9.8	9.2	7.4	6.0	5.4	7.1	10.4	10.6	12.7	15.3	17.1	8.6	3.3	6.5	5.4	4.4	5.3	0.9	0.7	2.7	0.7	17.1	7.6
Jun 12	1.8	1.1	1.7	4.3	3.6	6.1	5.6	7.8	8.1	8.8	9.3	9.0	8.0	8.6	8.2	8.9	7.3	6.4	6.4	6.4	8.9	8.6	7.4	7.2	1.1	9.3	6.6
Jun 13	5.7	4.5	4.4	3.7	3.5	4.5	4.7	5.2	5.8	8.2	7.3	9.0	9.9	14.3	12.2	5.7	6.8	3.4	2.4	4.0	3.1	3.5	4.0	3.2	2.4	14.3	5.8
Jun 14	3.3	4.8	6.7	6.8	4.9	1.9	3.0	1.3	3.9	4.3	6.2	6.8	10.3	18.3	6.3	10.2	3.1	2.9	1.4	0.4	4.3	3.1	5.1	4.8	0.4	18.3	5.2
Jun 15	3.0	5.4	6.1	4.1	5.4	5.9	4.7	7.7	8.4	7.6	6.4	9.2	5.6	8.7	8.2	9.3	9.0	6.5	4.7	4.9	5.0	5.7	2.9	3.1	2.9	9.3	6.1
Jun 16	5.1	6.0	6.3	5.2	5.9	5.2	6.1	6.4	8.5	10.4	10.0	17.3	17.1	17.5	17.0	16.0	13.6	12.8	11.3	10.0	7.3	5.3	4.9	0.2	0.2	17.5	9.4
Jun 17	0.2	0.7	3.0	1.4	2.1	2.5	3.3	8.3	12.5	10.0	11.9	15.5	17.7	14.9	13.9	12.7	13.7	11.5	9.6	8.5	4.1	1.4	0.2	0.1	0.1	17.7	7.5
Jun 18	1.2	1.7	1.9	1.1	0.7	1.4	2.2	4.1	5.9	6.8	4.5	6.3	7.0	6.4	6.0	5.6	8.3	6.7	5.9	4.8	3.6	0.9	0.4	3.4	0.4	8.3	4.0
Jun 19	2.2	2.5	3.5	1.7	2.4	4.7	5.4	5.3	9.6	13.3	12.8	13.8	12.3	12.9	12.1	11.8	11.3	10.3	11.5	9.1	4.8	0.1	1.1	2.5	0.1	13.8	7.4
Jun 20	4.5	4.8	7.2	6.9	5.7	7.5	7.0	11.5	10.8	9.9	13.2	14.5	14.8	15.2	13.7	12.1	12.4	10.3	8.4	7.1	4.8	2.1	5.7	9.4	2.1	15.2	9.1
Jun 21	5.4	6.6	2.6	5.5	7.0	3.8	3.6	5.4	3.6	7.1	10.1	11.5	9.4	9.3	8.0	8.0	8.1	8.0	7.0	4.2	0.2	0.9	2.0	4.0	0.2	11.5	5.9
Jun 22	4.5	7.1	8.5	6.2	2.7	3.9	4.7	8.6	8.4	5.9	5.7	9.5	9.3	10.3	15.3	11.0	7.9	6.4	3.7	5.4	3.4	5.8	9.5	16.7	2.7	16.7	7.5
Jun 23	13.1	5.6	8.9	8.6	3.6	2.4	3.2	5.4	6.5	1.9	9.0	9.7	12.4	10.0	5.1	2.0	4.5	10.6	14.0	9.6	5.1	4.7	8.3	8.0	1.9	14.0	7.2
Jun 24	7.4	8.5	10.4	9.3	10.4	10.6	11.4	10.7	11.8	9.6	9.2	8.2	8.7	9.6	10.1	10.6	11.5	9.3	7.8	8.3	8.1	5.7	4.9	3.5	3.5	11.8	9.0
Jun 25	5.0	5.9	6.0	5.3	4.6	4.5	5.1	6.2	7.0	9.6	10.5	13.9	10.6	11.0	10.4	9.5	5.3	6.1	6.7	5.9	1.0	0.5	1.4	2.6	0.5	13.9	6.4
Jun 26	4.2	3.2	3.8	2.6	2.1	2.2	3.5	3.6	6.3	6.9	6.2	5.2	5.4	5.9	6.4	9.6	10.0	7.2	7.5	1.1	3.5	3.4	4.0	3.6	1.1	10.0	4.9
Jun 27	4.8	4.5	5.1	4.9	4.6	4.6	6.5	5.9	7.4	9.9	8.5	7.7	9.5	8.8	7.5	8.8	9.1	7.5	8.5	9.4	8.5	5.9	4.1	5.0	4.1	9.9	7.0
Jun 28	6.1	6.3	5.9	4.8	1.7	2.2	4.0	4.9	3.6	5.4	5.3	2.9	4.0	1.4	2.6	6.8	13.1	10.2	7.7	8.3	4.7	0.2	0.9	3.6	0.2	13.1	4.9
Jun 29	3.0	4.3	4.1	4.4	6.0	6.6	4.4	6.6	11.1	7.2	7.4	12.1	15.4	10.0	9.1	8.6	9.2	9.0	7.8	7.0	3.0	9.8	0.9	1.3	0.9	15.4	7.0
Jun 30	6.3	3.1	8.0	3.5	5.3	3.3	5.9	5.8	7.2	7.1	10.5	10.9	11.6	10.9	11.2	11.3	9.4	8.5	9.0	10.7	9.4	12.7	10.0	8.9	3.1	12.7	8.4
Diurnal Maximum	15.8	13.1	11.9	10.7	10.7	11.0	16.1	17.1	20.2	18.9	21.1	19.5	19.1	23.8	23.7	22.0	20.7	21.6	20.1	16.2	15.1	13.3	12.3	16.7			
Diurnal Average	4.8	4.9	5.6	5.0	4.9	5.1	5.9	6.9	8.1	8.5	9.0	10.1	10.5	10.9	10.3	9.9	9.2	8.7	8.0	7.2	5.6	4.5	4.2	4.9			

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

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.

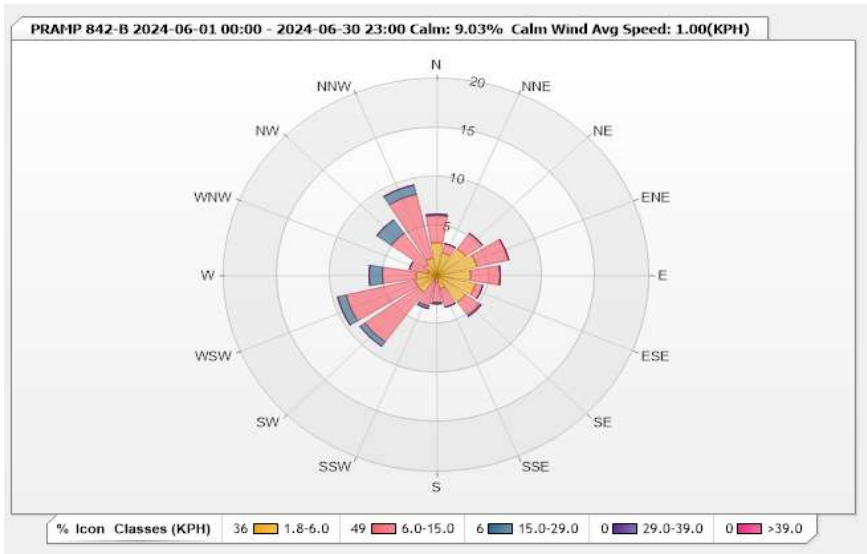


Station: PRAMP 842-B Monitor: WDS [KPH] Monthly: 06-2024

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

Calm (WS<1.8kph): 9.03% 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	3.33	2.78	0.14	0	0	6.25
NNE	2.36	0.97	0	0	0	3.33
NE	3.33	1.94	0	0	0	5.27
ENE	3.89	3.06	0	0	0	6.95
E	3.19	2.78	0	0	0	5.97
ESE	3.75	0.69	0	0	0	4.44
SE	3.33	1.67	0.14	0	0	5.14
SSE	1.39	1.94	0	0	0	3.33
S	0.69	2.08	0.14	0	0	2.91
SSW	0.42	2.78	0.28	0	0	3.48
SW	2.08	6.25	0.56	0	0	8.89
WSW	2.08	6.67	0.83	0	0	9.58
W	1.94	3.19	1.25	0	0	6.38
WNW	0.83	1.81	0	0	0	2.64
NW	1.39	3.89	1.67	0	0	6.95
NNW	1.81	6.67	0.97	0	0	9.45
Summary	35.81	49.17	5.98	0	0	90.96



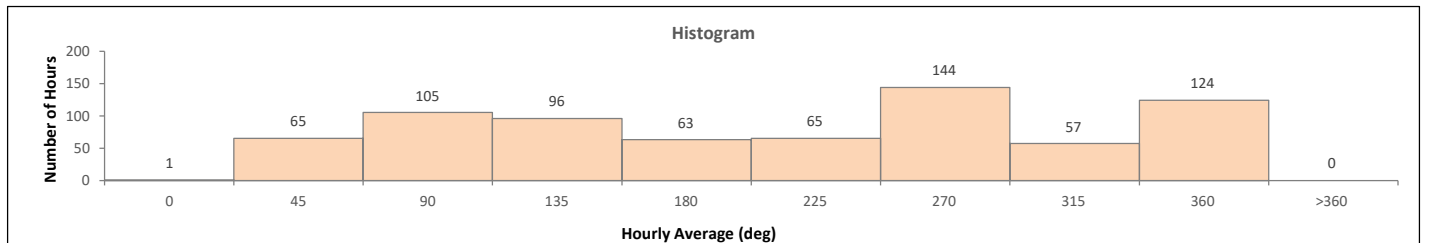
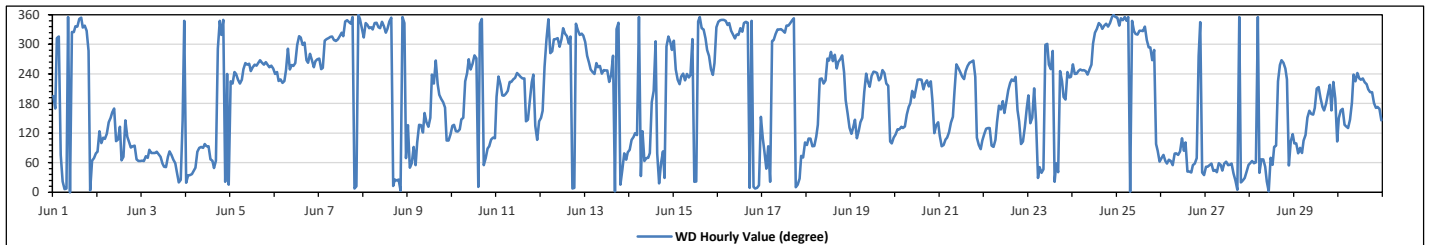
Peace River Area Monitoring Program

842-B Station - June 2024

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

Monthly Average:										282 (W) degree										Hours in Service:										720									
																				Hours of Data:										720									
																				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													
Jun 1	SSW	SSE	NW	NW	ENE	NNE	N	N	N	N	NW	NW	NNW	NNW	N	N	NNW	NNW	NNW	WNW	N	ENE	ENE	ENE	ENE	346	NNW												
Jun 2	E	ESE	E	ESE	ESE	ESE	SE	SSE	SSE	SSE	ESE	ESE	SE	ENE	ENE	SE	ESE	E	E	E	E	ENE	ENE	ENE	ENE	114	ESE												
Jun 3	ENE	ENE	ENE	ENE	E	E	E	E	E	ENE	ENE	ENE	NE	NE	ENE	E	ENE	ENE	ENE	NE	NNE	NNE	SE	NNW	69	ENE													
Jun 4	NNE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	ENE	ENE	NE	ENE	WNW	NNW	NW	N	NNE	WSW	NNE	58	ENE													
Jun 5	SW	SW	WSW	WSW	SW	SW	SW	WSW	W	WSW	W	WSW	WSW	WSW	WSW	W	W	W	WSW	W	WSW	WSW	WSW	WSW	WSW	255	WSW												
Jun 6	WSW	WSW	SW	SW	SW	SW	WSW	WNW	WSW	WSW	WSW	W	WNW	NW	NW	WNW	WNW	W	W	W	W	WSW	W	W	267	W													
Jun 7	W	WSW	WSW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	N	N	NNW	327	NW													
Jun 8	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	N	NNE	NNE	NNE	NNE	N	N	NNW	ENE	343	NNW													
Jun 9	SE	NE	ENE	E	NE	E	SE	SE	ESE	SSE	SE	SE	SSE	WSW	SW	W	SW	SSW	S	S	S	ESE	ESE	ESE	181	S													
Jun 10	SE	SE	ESE	ESE	SE	SE	SSE	SW	WSW	W	WSW	W	W	NNE	NNW	N	NE	ENE	E	E	ESE	ESE	ESE	ESE	226	SW													
Jun 11	SSW	SW	SW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	SW	SW	SW	SE	SE	S	SW	WSW	SE	ESE	SE	218	SW													
Jun 12	SSE	SSE	WSW	NW	N	W	WNW	NW	NW	NW	WNW	NW	NNW	NW	NW	WNW	NW	N	N	NNW	NNW	NW	NW	NW	318	NW													
Jun 13	WNW	W	W	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	W	N	NNW	NNW	NNE	NE	ENE	ENE	E	260	WSW													
Jun 14	E	ESE	ESE	ESE	ESE	N	NNE	ESE	ENE	ENE	ENE	E	S	SSW	NW	ENE	NNE	ENE	E	NNE	WNW	NW	WNW	WNW	101	E													
Jun 15	NW	WSW	SW	SW	WSW	SW	WSW	SW	SW	NW	NNE	NNE	NNW	N	NNW	NNW	NNW	NNW	WNW	W	WSW	SW	W	NNW	286	WNW													
Jun 16	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NW	NW	NW	NNW	NW	NNW	NNW	NNW	NNW	N	NNW	NNE	N	N	NNE	SSE	341	NNW													
Jun 17	ESE	E	NE	E	NNE	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	ENE	ENE	E	ESE	223	SW													
Jun 18	E	ESE	ESE	E	E	ESE	SE	SW	SW	SW	W	W	WNW	W	W	WSW	W	W	W	WSW	S	SSE	SE	SE	249	WSW													
Jun 19	ESE	SE	SE	ESE	SE	SE	SSE	SSW	WSW	SW	SSW	SW	WSW	WSW	WSW	SW	SW	WSW	WSW	SW	SW	ESE	E	ESE	223	SW													
Jun 20	ESE	SE	SE	SE	SE	SE	SSE	S	S	SSW	S	SSW	SW	SW	SW	SSW	SW	SW	SSW	SW	S	ESE	SE	SE	192	S													
Jun 21	ESE	E	E	ESE	ESE	ESE	SE	SSE	SSW	WSW	WSW	WSW	SW	SW	WSW	WSW	W	W	W	SW	ESE	E	E	ESE	221	SW													
Jun 22	ESE	SE	SE	SE	E	E	ESE	SE	S	SSE	S	SSE	S	SSW	SW	SW	SW	SW	SSE	SE	E	ESE	SE	S	167	SSE													
Jun 23	SSW	SE	SSE	SSW	SE	NNE	NE	NE	NE	WNW	WNW	WSW	WSW	WNW	NNE	ENE	NE	WSW	SW	S	S	WSW	SW	SW	230	SW													
Jun 24	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	290	WNW													
Jun 25	N	NNW	N	NNW	N	NNW	N	N	NNW	NW	NW	NW	NNW	NNW	NW	NNW	NW	WNW	WNW	W	WNW	E	E	ENE	331	NNW													
Jun 26	ENE	ENE	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	E	ESE	E	E	NE	NE	NE	NE	ENE	ENE	W	NNW	NE	NE	61	ENE													
Jun 27	NE	NE	NE	ENE	NE	NE	NE	ENE	NE	NE	ENE	NE	NE	ENE	NE	NNE	N	N	NNE	NNE	NNE	NE	NE	NE	42	NE													
Jun 28	ENE	ENE	ENE	ENE	N	ENE	ENE	NE	NNE	N	ENE	NE	E	E	SW	WSW	W	W	WSW	SW	NE	ESE	ESE	E	6	N													
Jun 29	E	E	ENE	E	E	ESE	ESE	SSE	SSE	SSE	S	SSW	SSW	S	S	SSE	S	SSW	SW	SSE	SW	S	ESE	170	SSE														
Jun 30	SSE	SSE	SSE	SE	SE	SE	SE	S	WSW	SW	WSW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SW	S	S	S	SSE	SE	196	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																
X	Invalid Data (Machine Malfunction/Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure																
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 - June 2024

Summary of Hourly Averages

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

WIND SPEED																												
Maximum Hourly Value:				23.8	kph	on Jun 5 at hr 13										Hours in Service:				720								
Maximum Daily Value:				14.7	kph	on Jun 5										Hours of Data:				720								
Minimum Hourly Value:				0.1	kph	on Jun 9 at hr 3										Hours of Missing Data:				0								
Minimum Daily Value:				3.6	kph	on Jun 9										Hours of Calibration:				0								
Monthly Average:				1.7	kph											Operational Uptime:				100.0								
WIND DIRECTION																												
Monthly Average:				282 degree (W)																								
Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)													Daily Minimum	Daily Maximum	Daily Average		
											10	11	12	13	14	15	16	17	18	19	20	21	22	23				
Jun 1	0.8	0.6	0.4	0.5	0.8	1.5	3.0	5.9	5.2	3.2	8.5	12.2	12.4	11.9	12.4	11.1	9.1	7.7	5.6	6.7	2.5	3.5	3.9	4.6	0.4	12.4	5.6	
	SSW	SSE	NW	NW	ENE	NNE	N	N	N	N	NW	NW	NNW	NNW	N	N	NNW	NNW	NNW	WNW	N	ENE	ENE	ENE			346(NNW)	
Jun 2	5.1	5.4	4.4	4.1	3.6	5.0	9.7	9.4	10.7	7.9	1.8	3.7	6.1	5.8	6.3	15.3	9.7	9.7	8.7	8.7	5.9	3.8	4.9	6.3	1.8	15.3	6.8	
	E	ESE	E	ESE	ESE	ESE	SE	SSE	SSE	SSE	ESE	ESE	SE	ENE	ENE	SE	ESE	E	E	E	E	ENE	ENE	ENE			114(ESE)	
Jun 3	8.1	8.3	9.7	10.7	10.7	11.0	11.2	10.9	10.7	8.8	10.4	9.2	9.6	9.7	8.8	9.7	8.6	7.5	5.0	4.9	4.4	2.3	0.2	0.6	0.2	11.2	8.0	
	ENE	ENE	ENE	ENE	E	E	E	E	E	ENE	ENE	ENE	NE	NE	ENE	E	ENE	ENE	ENE	NE	NNE	NNE	SE	NNW			69(ENE)	
Jun 4	1.2	1.8	2.6	3.9	4.9	4.9	6.2	6.6	7.0	7.7	6.9	7.1	5.8	6.2	7.4	6.2	2.2	8.0	5.6	4.3	3.0	2.0	1.7	1.1	1.1	8.0	4.8	
	NNE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E	ENE	ENE	NE	ENE	WNW	NNW	NW	N	NNE	WSW	NNE		58(ENE)	
Jun 5	1.1	3.4	6.5	8.3	5.4	6.5	7.7	13.6	17.0	18.5	21.1	19.5	19.1	23.8	23.7	22.0	20.7	21.6	20.1	16.2	15.1	13.3	12.3	15.4	1.1	23.8	14.7	
	SW	SW	WSW	WSW	SW	SW	SW	WSW	W	WSW	W	WSW	WSW	WSW	WSW	W	W	W	WSW	W	WSW	WSW	WSW	WSW			255(WSW)	
Jun 6	15.8	13.1	11.9	9.7	8.2	10.1	10.3	5.1	4.7	10.7	8.3	11.0	12.1	14.3	15.1	14.0	14.1	13.3	11.4	10.3	8.8	7.3	9.2	10.2	4.7	15.8	10.8	
	WSW	WSW	SW	SW	SW	WSW	WNW	WSW	WSW	WSW	W	WNW	NW	NW	NNW	NNW	W	W	W	W	W	WSW	W	W			267(W)	
Jun 7	8.1	6.2	5.0	5.4	7.1	10.6	16.1	17.1	20.2	18.9	19.5	18.3	16.2	18.2	16.5	18.1	15.8	15.8	13.3	13.4	14.1	11.2	8.4	7.7	5.0	20.2	13.4	
	W	WSW	WSW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	N	NNW			327(NW)	
Jun 8	8.4	9.7	9.8	9.0	10.1	8.1	5.7	6.0	8.1	10.5	9.4	9.3	10.4	10.7	6.7	6.1	6.5	4.3	5.5	5.4	3.2	2.5	1.6	1.4	1.4	10.7	7.0	
	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	N	NNE	NNE	NNE	NNE	N	N	NNW	ENE			343(NNW)	
Jun 9	1.2	1.0	1.6	0.1	0.7	1.0	2.8	2.2	1.9	2.3	2.5	2.3	2.4	1.8	7.9	5.2	7.3	8.4	12.4	10.2	6.6	2.0	0.4	2.4	0.1	12.4	3.6	
	SE	NE	ENE	E	NE	E	SE	SE	ESE	SSE	SE	SE	SSE	WSW	SW	W	SW	SSW	S	S	S	ESE	ESE	ESE			181(S)	
Jun 10	2.0	0.9	0.9	1.5	2.4	1.7	1.8	4.4	6.0	8.0	7.2	7.0	8.0	5.5	3.3	3.3	5.6	4.2	5.1	5.0	4.8	4.7	5.8	4.2	0.9	8.0	4.3	
	SE	SE	ESE	ESE	SE	SE	SSE	SW	WSW	W	WSW	W	W	NNE	NNW	N	NE	ENE	E	E	ESE	ESE	ESE	ESE			226(SW)	
Jun 11	4.6	9.9	10.2	7.7	9.8	9.2	7.4	6.0	5.4	7.1	10.4	10.6	12.7	15.3	17.1	8.6	3.3	6.5	5.4	4.4	5.3	0.9	0.7	2.7	0.7	17.1	7.6	
	SSW	SW	SW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	SW	SW	SW	SE	SE	S	SW	WSW	SE	ESE	SE			218(SW)	
Jun 12	1.8	1.1	1.7	4.3	3.6	6.1	5.6	7.8	8.1	8.8	9.3	9.0	8.0	8.6	8.2	8.9	7.3	6.4	6.4	6.4	8.9	8.6	7.4	7.2	1.1	9.3	6.6	
	SSE	SSE	WSW	NW	N	W	WNW	NW	NW	NW	NNW	NW	NNW	NW	NW	WNW	NW	N	N	NNW	NNW	NW	NW	NW			318(NW)	
Jun 13	5.7	4.5	4.4	3.7	3.5	4.5	4.7	5.2	5.8	8.2	7.3	9.0	9.9	14.3	12.2	5.7	6.8	3.4	2.4	4.0	3.1	3.5	4.0	3.2	2.4	14.3	5.8	
	WNW	W	W	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	W	N	NNW	NNW	NNE	NE	ENE	E			260(WSW)	
Jun 14	3.3	4.8	6.7	6.8	4.9	1.9	3.0	1.3	3.9	4.3	6.2	6.8	10.3	18.3	6.3	10.2	3.1	2.9	1.4	0.4	4.3	3.1	5.1	4.8	0.4	18.3	5.2	
	E	ESE	ESE	ESE	ESE	N	NNE	ESE	ENE	ENE	ENE	E	S	SSW	NW	ENE	NNE	ENE	E	NNE	WNW	NW	WNW	WNW			101(E)	
Jun 15	3.0	5.4	6.1	4.1	5.4	5.9	4.7	7.7	8.4	7.6	6.4	9.2	5.6	8.7	8.2	9.3	9.0	6.5	4.7	4.9	5.0	5.7	2.9	3.1	2.9	9.3	6.1	
	NW	WSW	SW	SW	SW	WSW	SW	WSW	SW	WSW	SW	NW	NNE	NNE	NNW	N	NNW	NNW	NW	WNW	W	WSW	SW	W	NNW			286(WNW)
Jun 16	5.1	6.0	6.3	5.2	5.9	5.2	6.1	6.4	8.5	10.4	10.0	17.3	17.1	17.5	17.0	16.0	13.6	12.8	11.3	10.0	7.3	5.3	4.9	0.2	0.2	17.5	9.4	
	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NW	NNW	NNW	NNW	N	NNW	NNE	N	N	NNE	SSE			341(NNW)	
Jun 17	0.2	0.7	3.0	1.4	2.1	2.5	3.3	8.3	12.5	10.0	11.9	15.5	17.7	14.9	13.9	12.7	13.7	11.5	9.6	8.5	4.1	1.4	0.2	0.1	0.1	17.7	7.5	
	ESE	E	NE	E	NNE	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	ENE	ENE	E				342(NNW)	
Jun 18	1.2	1.7	1.9	1.1	0.7	1.4	2.2	4.1	5.9	6.8	4.5	6.3	7.0	6.4	6.0	5.6	8.3	6.7	5.9	4.8	3.6	0.9	0.4	3.4	0.4	8.3	4.0	
	E	ESE	ESE	E	E	ESE	SE	SW	SW	SW	W	W	WNW	W	W	WSW	W	W	W	WSW	S	SSE	SE				249(WSW)	
Jun 19	2.2	2.5	3.5	1.7	2.4	4.7	5.4	5.3	9.6	13.3	12.8	13.8	12.3	12.9	12.1	11.8	11.3	10.3	11.5	9.1	4.8	1.1	2.5	0.1	13.8	7.4		
	ESE	SE	SE	ESE	SE	SE	SSE	SSW	WSW	SW	SSW	SW	SSW	WSW	WSW	WSW	SW	SW	SSW	WSW	SW	ESE	E	ESE			223(SW)	
Jun 20	4.5	4.8	7.2	6.9	5.7	7.5	7.0	11.5	10.8	9.9	13.2	14.5	14.8	15.2	13.7	12.1	12.4	10.3	8.4	7.1	4.8	2.1	5.7	9.4	2.1	15.2	9.1	
	ESE	SE	SE	SE	SE	SE	SSE	S	S	SSW	S	SSW	SW	SW	SSW	SW	SSW	SW	SSW	SW	S	ESE	SE	SE			192(S)	
Jun 21	5.4	6.6	2.6	5.5	7.0	3.8	3.6	5.4	3.6	7.1	10.1	11.5	9.4	9.3	8.0	8.0	8.1	8.0	7.0	4.2	0.2	0.9	2.0	4.0	0.2	11.5	5.9	
	ESE	E	E	ESE	ESE	ESE	SE	SSE	SSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	W	W	WSW	ESE	E	E	ESE				221(SW)	
Jun 22	4.5	7.1	8.5	6.2	2.7	3.9	4.7	8.6	8.4	5.9	5.7	9.5	9.3	10.3	15.3	11.0	7.9	6.4	3.7	5.4	3.4	5.8	9.5	16.7	2.7	16.7	7.5	
	ESE	SE	SE	SE	E	E	ESE	SE	S	SSE	S	SSE	S	SSW	SW	SW	SW	SW	SSE	SE	E	ESE	SE	S			167(SSE)	
Jun 23	13.1	5.6	8.9	8.6	3.6	2.4	3.2	5.4	6.5	1.9	9.0	9.7	12.4	10.0	5.1	2.0	4.5	10.6	14.0	9.6	5.1	4.7	8.3	8.0	1.9	14.0	7.2	
	SSW	SE	SSE	SSW	SE	NNE	NE	NE	NE	WNW	WNW	WSW	WSW	WNW	NNE	ENE	NE	WSW	SW	S	S	WSW	SW	SW			230(SW)	
Jun 24	7.4	8.5	10.4	9.3	10.4	10.6	11.4	10.7	11.8	9.6	9.2	8.2	8.7	9.6	10.1	10.6	11.5	9.3	7.8	8.3	8.1	5.7	4.9	3.5	3.5	11.8	9.0	
	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N			290(WNW)	
Jun 25	5.0	5.9	6.0	5.3	4.6	4.5	5.1	6.2	7.0	9.6	10.5	13.9	10.6	11.0	10.4	9.5	5.3	6.1	6.7	5.9	1.0	0.5	1.4	2.6	0.5	13.9	6.4	
	N	NNW	N	NNW	N	NNW	N	N	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NW	WNW	WNW	W	WNW	E	E	ENE			331(NNW)	
Jun 26	4.2	3.2	3.8	2.6	2.1	2.2	3.5	3.6	6.3	6.9	6.2	5.2	5.4	5.9	6.4	9.6	10.0	7.2	7.5	1.1	3.5	3.4	4.0	3.6	1.1	10.0	4.9	
	ENE	ENE	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	E	ESE	E	E	NE	NE	NE	NE	ENE	ENE	W	NNW	NE	NE			61(ENE)	
Jun 27	4.8	4.5	5.1	4.9	4.6	4.6	6.5	5.9	7.4	9.9	8.5	7.7	9.5	8.8	7.5	8.8	9.1	7.5	8.5	9.4	8.5	5.9	4.1	5.0	4.1	9.9	7.0	
	NE	NE	NE	ENE	NE	NE	ENE	NE	NE	ENE	ENE	NE	NE	ENE	NE	ENE	N	NNE	N	NNE	NNE	NNE	NE	NE			42(NE)	
Jun 28	6.1	6.3	5.9	4.8	1.7	2.2	4.0	4.9	3.6	5.4	5.3	2.9	4.0	1.4	2.6	6.8	13.1	10.2	7.7	8.3	4.7	0.2	0.9	3.6	0.2	13.1	4.9	
	ENE	ENE	ENE	ENE	N	NE	ENE	ENE	NE	NNE	N	ENE	NE	E	E	SW	WSW	W	W	WSW	SW	NE	ESE	ESE			6(N)	
Jun 29	3.0	4.3</																										

RENO -B STATION

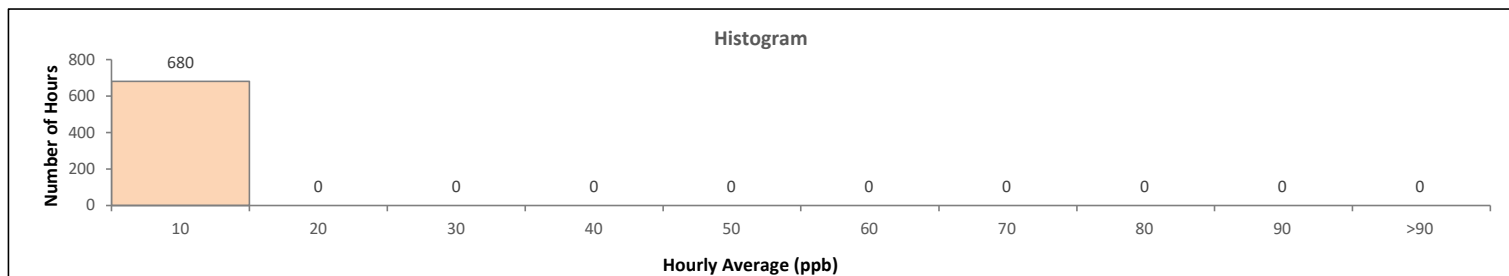
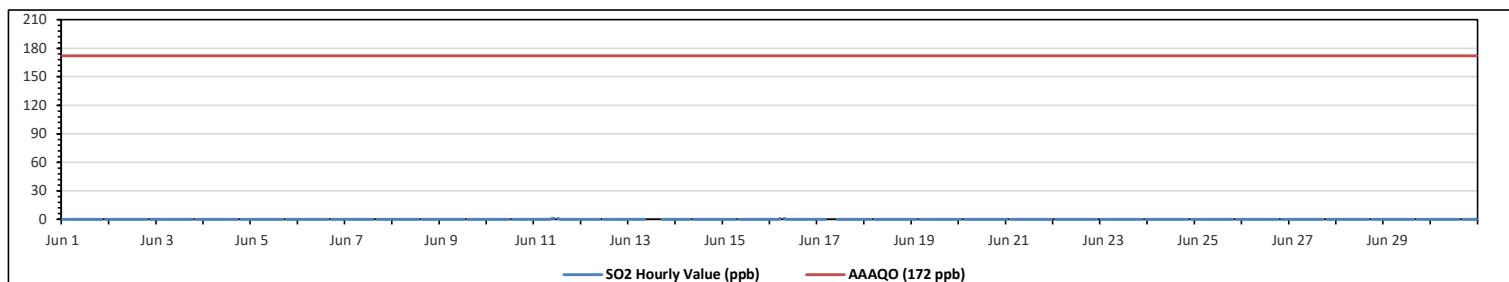
Peace River Area Monitoring Program

Reno-B Station - June 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO₂) 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 Jun 11 at hr 9					Hours in Service:					720												
Maximum Daily Value:					0.1 ppb on Jun 11					Hours of Data:					680												
Minimum Hourly Value:					0 ppb on Jun 1 at hr 0					Hours of Missing Data:					2												
Minimum Daily Value:					0.0 ppb on Jun 1					Hours of Calibration:					38												
Monthly Average:					0.0 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			
Jun 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	
Jun 2	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	
Jun 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	
Jun 4	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	
Jun 5	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	
Jun 6	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	
Jun 7	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	
Jun 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	
Jun 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	
Jun 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	
Jun 11	0	0	0	0	0	0	0	0	0	1	1	S	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Jun 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	
Jun 13	0	0	0	0	0	0	0	0	0	S	0	C	C	C	C	K	K	0	0	0	0	0	0	0	0	NA	
Jun 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	
Jun 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	
Jun 16	0	0	0	0	0	1	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1	
Jun 17	0	0	0	0	0	S	0	Q	Q	Q	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 22	S	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	
Jun 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	
Jun 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	
Jun 25	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	
Jun 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	
Jun 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	
Jun 28	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	
Jun 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	
Jun 30	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	
Diurnal Maximum	0	0	0	0	0	1	0	1	0	1	1	0	1	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	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.																											

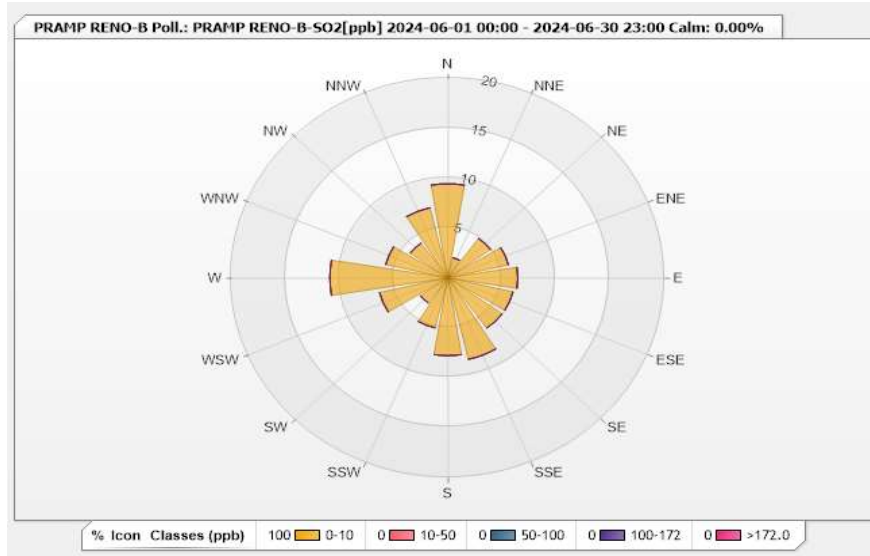


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-SO2[ppb] Monthly: 06-2024

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

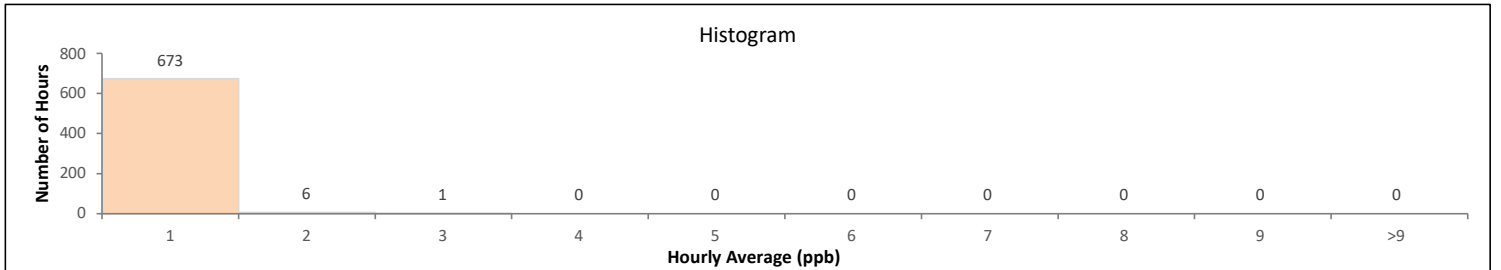
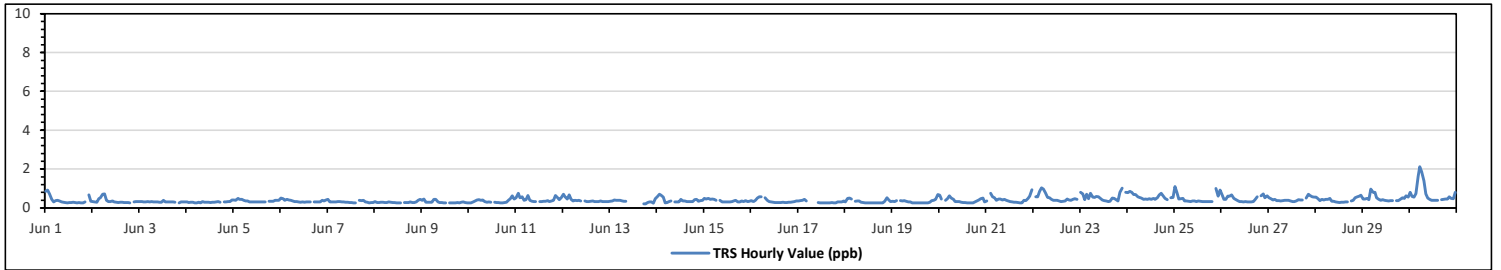
Calm: 0.00% Valid Data: 94.44% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	9.41	0	0	0	0	9.41
NNE	2.06	0	0	0	0	2.06
NE	4.85	0	0	0	0	4.85
ENE	5.74	0	0	0	0	5.74
E	6.47	0	0	0	0	6.47
ESE	6.18	0	0	0	0	6.18
SE	6.18	0	0	0	0	6.18
SSE	8.38	0	0	0	0	8.38
S	7.79	0	0	0	0	7.79
SSW	5.15	0	0	0	0	5.15
SW	3.09	0	0	0	0	3.09
WSW	6.47	0	0	0	0	6.47
W	10.88	0	0	0	0	10.88
WNW	5.88	0	0	0	0	5.88
NW	4.26	0	0	0	0	4.26
NNW	7.21	0	0	0	0	7.21
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program
Reno-B Station - June 2024
Summary of Hourly Averages
TOTAL REDUCED SULPHUR (TRS) in ppb

Maximum Hourly Value:	2.12	ppb	on Jun 30 at hr 5	Hours in Service:	720																																												
Maximum Daily Value:	0.74	ppb	on Jun 30	Hours of Data:	680																																												
Minimum Hourly Value:	0.21	ppb	on Jun 13 at hr 18	Hours of Missing Data:	2																																												
Minimum Daily Value:	0.30	ppb	on Jun 8	Hours of Calibration:	38																																												
Monthly Average:	0.40	ppb		Operational Uptime:	99.7																																												
Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)														20	21	22	23	Daily Minimum	Daily Maximum	Daily Average																		
Jun 1	0.86	0.91	0.72	0.44	0.31	0.37	0.4	0.35	0.3	0.29	0.28	0.27	0.28	0.28	0.29	0.28	0.27	0.28	0.27	0.27	0.31	S	0.67	0.34	0.27	0.91	0.39																						
Jun 2	0.32	0.3	0.29	0.47	0.52	0.7	0.72	0.38	0.32	0.32	0.35	0.31	0.29	0.28	0.29	0.29	0.28	0.28	0.27	S	0.31	0.32	0.33	0.27	0.72	0.36																							
Jun 3	0.32	0.32	0.31	0.3	0.32	0.31	0.33	0.31	0.31	0.3	0.29	0.29	0.38	0.3	0.3	0.31	0.3	0.3	0.29	S	0.26	0.31	0.31	0.3	0.26	0.38	0.31																						
Jun 4	0.3	0.28	0.29	0.29	0.27	0.27	0.29	0.27	0.32	0.29	0.29	0.29	0.28	0.29	0.29	0.3	0.32	0.29	S	0.31	0.3	0.33	0.32	0.41	0.27	0.41	0.30																						
Jun 5	0.41	0.38	0.48	0.43	0.44	0.39	0.35	0.35	0.31	0.31	0.31	0.31	0.31	0.3	0.3	0.31	S	0.34	0.34	0.34	0.39	0.4	0.4	0.30	0.48	0.36																							
Jun 6	0.5	0.47	0.39	0.45	0.41	0.39	0.36	0.33	0.33	0.3	0.29	0.3	0.29	0.31	0.31	0.3	S	0.31	0.3	0.3	0.31	0.38	0.35	0.41	0.29	0.50	0.35																						
Jun 7	0.45	0.3	0.3	0.31	0.31	0.33	0.32	0.31	0.3	0.29	0.29	0.28	0.28	0.27	0.27	S	0.38	0.37	0.38	0.31	0.29	0.27	0.28	0.28	0.27	0.45	0.31																						
Jun 8	0.33	0.28	0.28	0.29	0.29	0.28	0.28	0.3	0.29	0.28	0.28	0.26	0.27	0.27	S	0.28	0.28	0.28	0.3	0.28	0.28	0.3	0.4	0.43	0.26	0.43	0.30																						
Jun 9	0.39	0.46	0.29	0.29	0.29	0.29	0.45	0.44	0.3	0.28	0.28	0.26	0.26	S	0.27	0.26	0.26	0.26	0.28	0.27	0.29	0.3	0.28	0.27	0.26	0.46	0.31																						
Jun 10	0.27	0.27	0.3	0.36	0.41	0.42	0.4	0.41	0.32	0.29	0.3	0.29	S	0.29	0.28	0.28	0.27	0.27	0.28	0.29	0.39	0.47	0.61	0.46	0.27	0.61	0.34																						
Jun 11	0.52	0.75	0.52	0.57	0.39	0.42	0.64	0.4	0.34	0.33	0.33	S	0.33	0.32	0.34	0.34	0.37	0.32	0.35	0.39	0.64	0.54	0.42	0.52	0.32	0.75	0.44																						
Jun 12	0.71	0.58	0.46	0.67	0.43	0.36	0.39	0.37	0.4	0.36	S	0.35	0.33	0.33	0.34	0.35	0.32	0.33	0.32	0.35	0.32	0.32	0.32	0.32	0.32	0.71	0.39																						
Jun 13	0.34	0.36	0.41	0.4	0.38	0.4	0.35	0.34	0.34	S	0.32	C	C	C	C	K	K	0.22	0.21	0.28	0.3	0.31	0.24	0.47	0.21	0.47	NA																						
Jun 14	0.59	0.7	0.66	0.55	0.26	0.28	0.32	0.36	S	0.31	0.31	0.3	0.43	0.36	0.35	0.32	0.32	0.33	0.32	0.42	0.43	0.34	0.37	0.4	0.26	0.70	0.39																						
Jun 15	0.49	0.46	0.49	0.43	0.46	0.44	0.38	S	0.39	0.3	0.3	0.31	0.3	0.31	0.32	0.35	0.4	0.31	0.3	0.35	0.33	0.37	0.33	0.34	0.30	0.49	0.37																						
Jun 16	0.37	0.33	0.39	0.5	0.56	0.56	S	0.52	0.39	0.33	0.3	0.29	0.28	0.28	0.28	0.28	0.29	0.28	0.28	0.29	0.29	0.3	0.32	0.36	0.28	0.56	0.35																						
Jun 17	0.36	0.37	0.39	0.43	0.35	S	0.33	Q	Q	Q	0.28	0.27	0.27	0.26	0.27	0.27	0.26	0.28	0.25	0.26	0.3	0.3	0.31	0.36	0.25	0.43	0.31																						
Jun 18	0.31	0.48	0.5	0.46	S	0.34	0.35	0.35	0.29	0.28	0.26	0.26	0.26	0.25	0.27	0.25	0.25	0.26	0.25	0.27	0.34	0.52	0.42	0.33	0.25	0.52	0.33																						
Jun 19	0.34	0.33	0.37	S	0.37	0.36	0.37	0.34	0.31	0.3	0.27	0.27	0.26	0.27	0.26	0.25	0.26	0.25	0.27	0.29	0.37	0.38	0.44	0.68	0.25	0.68	0.33																						
Jun 20	0.66	0.46	S	0.39	0.47	0.63	0.5	0.43	0.32	0.32	0.32	0.29	0.28	0.28	0.27	0.27	0.27	0.27	0.3	0.35	0.41	0.47	0.5	0.31	0.27	0.66	0.38																						
Jun 21	0.36	S	0.75	0.57	0.53	0.4	0.46	0.46	0.41	0.44	0.39	0.36	0.33	0.31	0.29	0.29	0.28	0.27	0.27	0.4	0.37	0.49	0.6	0.93	0.27	0.93	0.43																						
Jun 22	S	0.57	0.56	0.86	1.04	0.97	0.78	0.54	0.52	0.43	0.4	0.39	0.39	0.36	0.33	0.34	0.35	0.46	0.41	0.38	0.43	0.47	0.45	S	0.33	1.04	0.52																						
Jun 23	0.81	0.72	0.42	0.71	0.47	0.74	0.55	0.54	0.59	0.57	0.48	0.41	0.37	0.35	0.33	0.34	0.51	0.48	0.42	0.36	0.79	1.02	S	0.79	0.33	1.02	0.56																						
Jun 24	0.78	0.86	0.81	0.69	0.68	0.56	0.54	0.51	0.43	0.46	0.44	0.47	0.45	0.48	0.43	0.53	0.67	0.74	0.63	0.48	0.42	S	0.53	0.54	0.42	0.86	0.57																						
Jun 25	1.1	0.8	0.46	0.47	0.49	0.36	0.35	0.34	0.33	0.35	0.36	0.33	0.35	0.34	0.33	0.33	0.32	0.32	0.33	0.32	S	1	0.6	0.92	0.32	1.10	0.47																						
Jun 26	0.68	0.45	0.44	0.6	0.6	0.67	0.48	0.43	0.37	0.33	0.32	0.31	0.32	0.31	0.31	0.31	0.32	0.43	0.56	S	0.61	0.72	0.53	0.61	0.31	0.72	0.47																						
Jun 27	0.52	0.47	0.41	0.43	0.37	0.37	0.36	0.37	0.38	0.38	0.38	0.36	0.32	0.33	0.35	0.42	0.41	0.41	S	0.5	0.71	0.64	0.56	0.55	0.32	0.71	0.43																						
Jun 28	0.55	0.47	0.37	0.45	0.41	0.45	0.43	0.48	0.34	0.34	0.31	0.29	0.28	0.29	0.29	0.31	0.3	S	0.35	0.4	0.52	0.56	0.6	0.66	0.28	0.66	0.41																						
Jun 29	0.46	0.46	0.49	0.42	0.97	0.79	0.81	0.53	0.43	0.39	0.42	0.38	0.37	0.36	0.37	0.37	S	0.37	0.37	0.43	0.52	0.49	0.62	0.55	0.36	0.97	0.49																						
Jun 30	0.79	0.59	0.55	0.73	1.62	2.12	1.87	1.39	0.72	0.5	0.44	0.39	0.39	0.38	0.39	S	0.42	0.43	0.46	0.46	0.56	0.49	0.47	0.8	0.38	2.12	0.74																						
Diurnal Maximum	1.10	0.91	0.81	0.86	1.62	2.12	1.87	1.39	0.72	0.57	0.48	0.47	0.45	0.48	0.43	0.53	0.67	0.74	0.63	0.50	0.79	1.02	0.67	0.93																									
Diurnal Average	0.51	0.49	0.45	0.48	0.50	0.52	0.49	0.43	0.37	0.35	0.33	0.32	0.32	0.31	0.31	0.32	0.33	0.34	0.33	0.34	0.41	0.46	0.43	0.49																									
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.																																																	

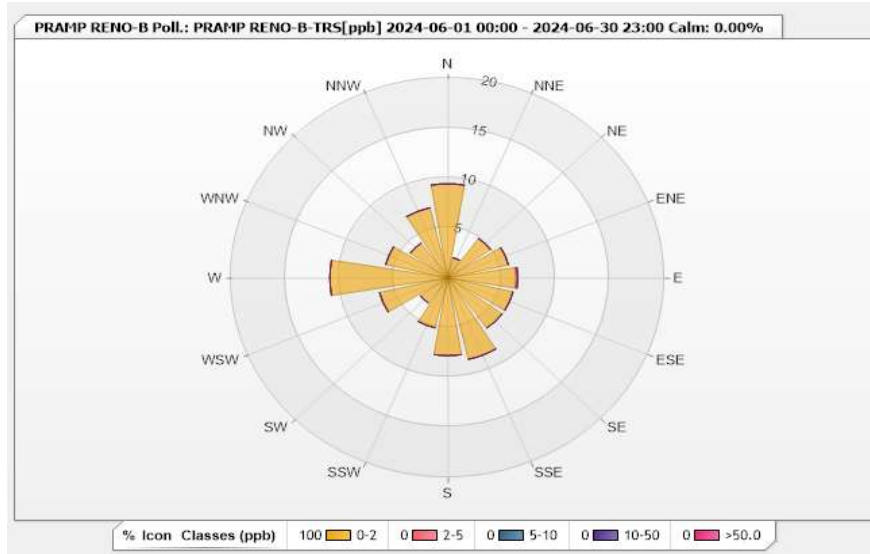


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-TRS[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.44% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	9.41	0	0	0	0	9.41
NNE	2.06	0	0	0	0	2.06
NE	4.85	0	0	0	0	4.85
ENE	5.74	0	0	0	0	5.74
E	6.32	0.15	0	0	0	6.47
ESE	6.18	0	0	0	0	6.18
SE	6.18	0	0	0	0	6.18
SSE	8.38	0	0	0	0	8.38
S	7.79	0	0	0	0	7.79
SSW	5.15	0	0	0	0	5.15
SW	3.09	0	0	0	0	3.09
WSW	6.47	0	0	0	0	6.47
W	10.88	0	0	0	0	10.88
WNW	5.88	0	0	0	0	5.88
NW	4.26	0	0	0	0	4.26
NNW	7.21	0	0	0	0	7.21
Summary	100	0.15	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - June 2024

Summary of Hourly Averages

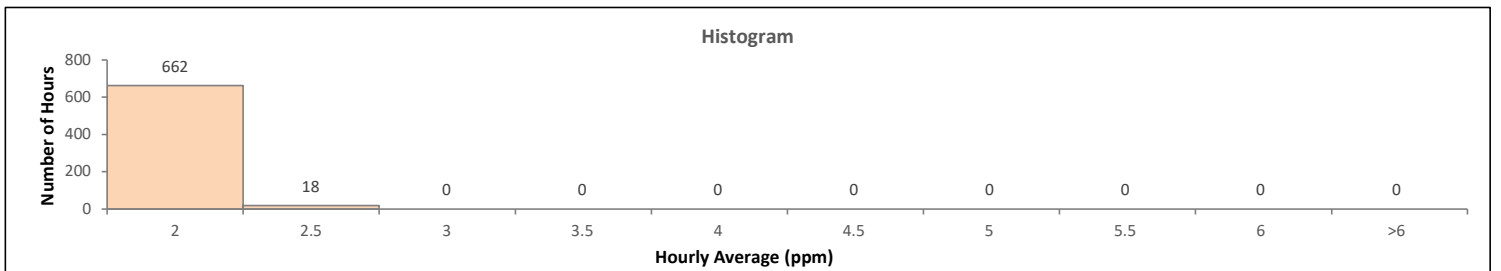
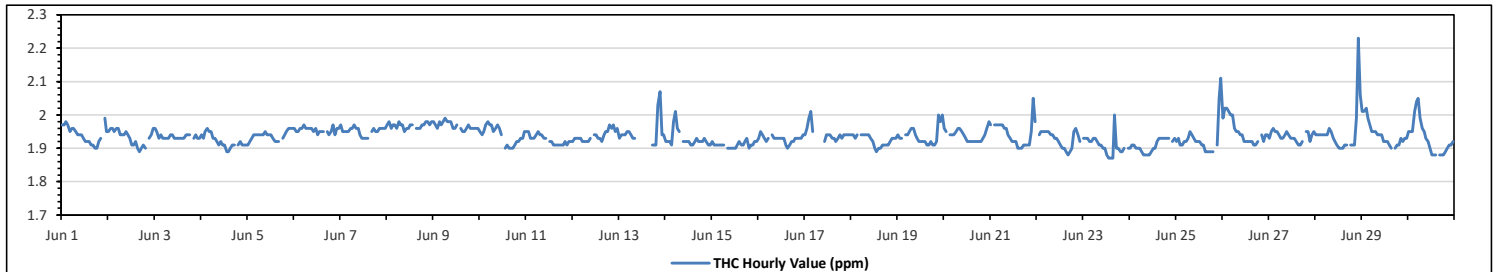
TOTAL HYDROCARBONS (THC) in ppm

Maximum Hourly Value:	2.23	ppm	on Jun 28 at hr 22	Hours in Service:	720
Maximum Daily Value:	1.97	ppm	on Jun 8	Hours of Data:	680
Minimum Hourly Value:	1.87	ppm	on Jun 23 at hr 13	Hours of Missing Data:	2
Minimum Daily Value:	1.91	ppm	on Jun 24	Hours of Calibration:	38
Monthly Average:	1.94	ppm		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	
Jun 1	1.97	1.97	1.98	1.97	1.95	1.96	1.96	1.95	1.94	1.94	1.94	1.93	1.92	1.92	1.92	1.91	1.91	1.90	1.90	1.92	1.93	S	1.99	1.95	1.90	1.99	1.94	
Jun 2	1.95	1.96	1.96	1.95	1.96	1.96	1.94	1.94	1.94	1.95	1.94	1.93	1.91	1.91	1.92	1.90	1.89	1.90	1.91	1.90	S	1.93	1.94	1.96	1.89	1.96	1.93	
Jun 3	1.96	1.95	1.93	1.94	1.93	1.93	1.93	1.93	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.94	S	1.93	1.94	1.93	1.93	1.93	1.96	1.94	
Jun 4	1.94	1.93	1.95	1.96	1.95	1.95	1.93	1.93	1.92	1.91	1.92	1.91	1.91	1.89	1.89	1.90	1.91	1.91	S	1.91	1.92	1.91	1.91	1.91	1.89	1.96	1.92	
Jun 5	1.91	1.92	1.93	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.94	1.94	1.94	1.93	1.92	1.92	1.92	S	1.93	1.94	1.95	1.96	1.96	1.96	1.91	1.96	1.94	
Jun 6	1.96	1.95	1.95	1.96	1.96	1.97	1.96	1.96	1.96	1.96	1.95	1.96	1.94	1.95	1.95	1.95	S	1.95	1.94	1.95	1.97	1.94	1.96	1.96	1.94	1.97	1.95	
Jun 7	1.97	1.95	1.95	1.95	1.95	1.96	1.96	1.97	1.96	1.96	1.94	1.93	1.93	1.93	1.93	S	1.95	1.96	1.95	1.95	1.96	1.96	1.96	1.96	1.93	1.97	1.95	
Jun 8	1.97	1.98	1.96	1.97	1.97	1.96	1.98	1.97	1.97	1.95	1.96	1.96	1.97	1.97	S	1.96	1.96	1.96	1.97	1.97	1.98	1.98	1.97	1.98	1.95	1.98	1.97	
Jun 9	1.98	1.97	1.96	1.98	1.97	1.98	1.99	1.98	1.98	1.98	1.96	1.96	1.97	S	1.96	1.95	1.95	1.96	1.97	1.96	1.96	1.96	1.96	1.96	1.95	1.99	1.97	
Jun 10	1.95	1.94	1.95	1.97	1.98	1.97	1.97	1.95	1.96	1.97	1.96	1.94	S	1.90	1.91	1.90	1.90	1.90	1.91	1.92	1.92	1.93	1.93	1.95	1.90	1.98	1.94	
Jun 11	1.95	1.95	1.93	1.93	1.93	1.94	1.95	1.94	1.94	1.93	1.93	S	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.91	1.92	1.92	1.91	1.95	1.93	
Jun 12	1.92	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.93	S	1.94	1.94	1.93	1.93	1.92	1.94	1.95	1.95	1.97	1.96	1.97	1.95	1.96	1.92	1.97	1.94
Jun 13	1.93	1.94	1.94	1.94	1.95	1.95	1.94	1.93	1.93	S	1.94	C	C	C	C	K	K	1.91	1.91	1.91	2.03	2.07	1.94	1.94	1.91	2.07	NA	
Jun 14	1.92	1.92	1.92	1.91	1.98	2.01	1.96	1.95	S	1.92	1.92	1.92	1.92	1.91	1.91	1.92	1.93	1.92	1.92	1.92	1.93	1.92	1.91	1.91	1.91	2.01	1.93	
Jun 15	1.92	1.91	1.91	1.91	1.91	1.91	1.91	S	1.90	1.90	1.90	1.90	1.90	1.91	1.92	1.91	1.91	1.92	1.93	1.90	1.91	1.91	1.92	1.92	1.90	1.93	1.91	
Jun 16	1.93	1.95	1.94	1.93	1.92	1.93	S	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.91	1.90	1.91	1.92	1.92	1.92	1.93	1.93	1.93	1.94	1.90	1.95	1.93	
Jun 17	1.94	1.96	1.99	2.01	1.95	S	1.94	Q	Q	Q	1.92	1.94	1.94	1.94	1.93	1.93	1.92	1.93	1.94	1.93	1.94	1.94	1.94	1.94	1.92	2.01	1.94	
Jun 18	1.94	1.94	1.93	1.94	S	1.94	1.94	1.94	1.94	1.94	1.93	1.92	1.90	1.89	1.90	1.90	1.91	1.91	1.91	1.91	1.91	1.92	1.93	1.93	1.89	1.94	1.92	
Jun 19	1.94	1.93	1.93	S	1.94	1.94	1.95	1.96	1.96	1.94	1.93	1.92	1.92	1.92	1.92	1.91	1.91	1.92	1.91	1.91	1.92	2.00	1.98	2.00	1.91	2.00	1.94	
Jun 20	1.96	1.95	S	1.94	1.94	1.94	1.95	1.96	1.96	1.95	1.94	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.94	1.96	1.98	1.92	1.98	1.94	
Jun 21	1.97	S	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.94	1.93	1.92	1.92	1.92	1.90	1.90	1.90	1.91	1.91	1.91	1.91	1.95	2.05	1.98	1.90	2.05	1.94	
Jun 22	S	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.93	1.93	1.92	1.91	1.90	1.89	1.88	1.89	1.90	1.95	1.96	1.94	1.92	S	1.88	1.96	1.93	
Jun 23	1.93	1.93	1.93	1.92	1.92	1.93	1.93	1.92	1.91	1.91	1.90	1.90	1.88	1.87	1.87	1.87	2.00	1.90	1.90	1.89	1.89	1.90	S	1.90	1.87	2.00	1.91	
Jun 24	1.90	1.91	1.91	1.90	1.90	1.90	1.89	1.88	1.88	1.88	1.88	1.89	1.90	1.90	1.92	1.93	1.93	1.93	1.93	1.93	1.93	S	1.92	1.93	1.88	1.93	1.91	
Jun 25	1.92	1.93	1.91	1.91	1.92	1.92	1.93	1.95	1.94	1.93	1.92	1.92	1.92	1.91	1.91	1.89	1.89	1.89	1.89	1.89	1.89	S	1.91	2.05	2.11	1.89	2.11	1.93
Jun 26	1.99	2.02	2.02	2.01	2.00	2.00	1.96	1.95	1.95	1.94	1.94	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.92	S	1.94	1.92	1.94	1.94	1.91	2.02	1.95	
Jun 27	1.93	1.95	1.96	1.95	1.95	1.94	1.93	1.93	1.94	1.95	1.94	1.93	1.93	1.93	1.92	1.91	1.91	1.92	S	1.95	1.95	1.92	1.94	1.95	1.91	1.96	1.94	
Jun 28	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.96	1.95	1.93	1.92	1.91	1.90	1.90	1.90	1.90	1.91	1.91	S	1.91	1.91	1.91	1.99	2.23	2.06	1.90	2.23	1.95
Jun 29	2.01	2.01	2.02	1.99	1.97	1.95	1.95	1.95	1.94	1.94	1.94	1.92	1.92	1.92	1.91	1.90	S	1.90	1.91	1.91	1.93	1.92	1.93	1.93	1.90	2.02	1.94	
Jun 30	1.95	1.95	1.95	2.01	2.04	2.05	1.99	1.96	1.95	1.93	1.92	1.90	1.88	1.88	1.88	S	1.88	1.88	1.88	1.89	1.90	1.91	1.91	1.92	1.88	2.05	1.93	
Diurnal Maximum	2.01	2.02	2.02	2.01	2.04	2.05	1.99	1.98	1.98	1.98	1.96	1.96	1.97	1.97	1.96	1.96	2.00	1.96	1.97	1.97	2.03	2.07	2.23	2.11				
Diurnal Average	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.93	1.93	1.92	1.92	1.91	1.91	1.92	1.92	1.92	1.92	1.94	1.94	1.96	1.95				

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.

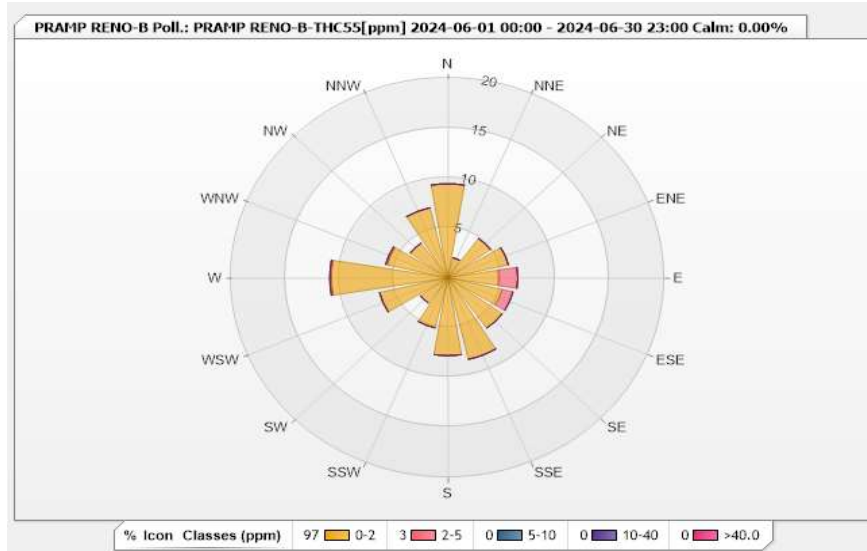


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-THC55[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.44% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	9.41	0	0	0	0	9.41
NNE	2.06	0	0	0	0	2.06
NE	4.85	0	0	0	0	4.85
ENE	5.74	0	0	0	0	5.74
E	4.71	1.76	0	0	0	6.47
ESE	5.15	1.03	0	0	0	6.18
SE	6.18	0	0	0	0	6.18
SSE	8.38	0	0	0	0	8.38
S	7.79	0	0	0	0	7.79
SSW	5.15	0	0	0	0	5.15
SW	3.09	0	0	0	0	3.09
WSW	6.47	0	0	0	0	6.47
W	10.74	0.15	0	0	0	10.89
WNW	5.74	0.15	0	0	0	5.89
NW	4.26	0	0	0	0	4.26
NNW	7.21	0	0	0	0	7.21
Summary	96.93	3.09	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - June 2024

Summary of Hourly Averages

METHANE (CH4) in ppm

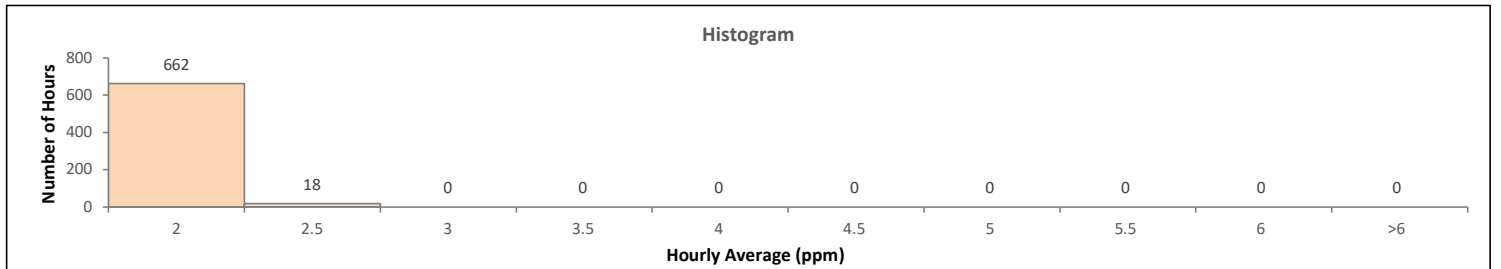
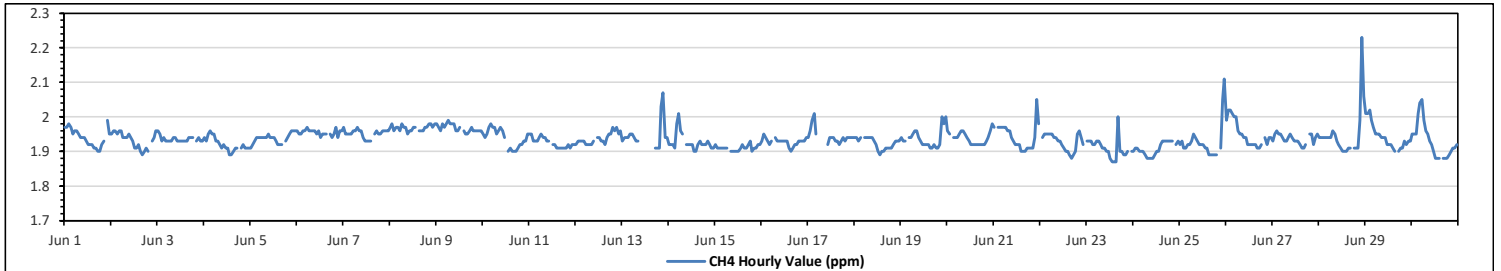
Maximum Hourly Value:	2.23	ppm	on Jun 28 at hr 22	Hours in Service:	720
Maximum Daily Value:	1.97	ppm	on Jun 8	Hours of Data:	680
Minimum Hourly Value:	1.87	ppm	on Jun 23 at hr 13	Hours of Missing Data:	2
Minimum Daily Value:	1.91	ppm	on Jun 24	Hours of Calibration:	38
Monthly Average:	1.94	ppm		Operational 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				
Jun 1	1.97	1.97	1.98	1.97	1.95	1.96	1.96	1.95	1.94	1.94	1.94	1.93	1.92	1.92	1.92	1.91	1.91	1.90	1.90	1.92	1.93	S	1.99	1.95	1.90	1.99	1.94	
Jun 2	1.95	1.96	1.96	1.95	1.96	1.96	1.94	1.94	1.94	1.95	1.94	1.93	1.91	1.91	1.92	1.90	1.89	1.90	1.91	1.90	S	1.93	1.94	1.96	1.89	1.96	1.93	
Jun 3	1.96	1.95	1.93	1.94	1.93	1.93	1.93	1.93	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.94	S	1.93	1.94	1.93	1.93	1.93	1.96	1.94	
Jun 4	1.94	1.93	1.95	1.96	1.95	1.95	1.93	1.93	1.92	1.91	1.92	1.91	1.91	1.89	1.89	1.90	1.91	1.91	S	1.91	1.92	1.91	1.91	1.91	1.89	1.96	1.92	
Jun 5	1.91	1.92	1.93	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.94	1.94	1.94	1.93	1.92	1.92	S	1.93	1.94	1.95	1.96	1.96	1.96	1.91	1.96	1.94		
Jun 6	1.96	1.95	1.95	1.96	1.96	1.97	1.96	1.96	1.96	1.96	1.95	1.96	1.94	1.95	1.95	1.95	S	1.95	1.94	1.95	1.97	1.94	1.96	1.96	1.94	1.97	1.95	
Jun 7	1.97	1.95	1.95	1.95	1.95	1.96	1.96	1.97	1.96	1.96	1.94	1.93	1.93	1.93	1.93	S	1.95	1.96	1.95	1.95	1.96	1.96	1.96	1.96	1.93	1.97	1.95	
Jun 8	1.97	1.98	1.96	1.97	1.97	1.96	1.98	1.97	1.97	1.95	1.96	1.96	1.97	1.97	S	1.96	1.96	1.96	1.96	1.97	1.97	1.98	1.98	1.97	1.98	1.95	1.98	1.97
Jun 9	1.98	1.97	1.96	1.98	1.97	1.98	1.99	1.98	1.98	1.98	1.96	1.96	1.97	S	1.96	1.95	1.95	1.96	1.97	1.96	1.96	1.96	1.96	1.95	1.99	1.97	1.97	
Jun 10	1.95	1.94	1.95	1.97	1.98	1.97	1.97	1.95	1.96	1.97	1.96	1.94	S	1.90	1.91	1.90	1.90	1.90	1.91	1.92	1.92	1.93	1.93	1.95	1.90	1.98	1.94	
Jun 11	1.95	1.95	1.93	1.93	1.93	1.94	1.95	1.94	1.94	1.93	1.93	S	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.91	1.92	1.92	1.91	1.95	1.93	
Jun 12	1.92	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.93	S	1.94	1.94	1.93	1.93	1.92	1.94	1.95	1.95	1.97	1.96	1.97	1.95	1.96	1.92	1.97	1.94
Jun 13	1.93	1.94	1.94	1.94	1.95	1.95	1.94	1.93	1.93	S	1.94	C	C	C	C	K	K	1.91	1.91	1.91	2.03	2.07	1.94	1.94	1.91	2.07	NA	
Jun 14	1.92	1.92	1.92	1.91	1.98	2.01	1.96	1.95	S	1.92	1.92	1.92	1.92	1.90	1.90	1.92	1.93	1.92	1.92	1.92	1.93	1.92	1.91	1.91	1.90	2.01	1.93	
Jun 15	1.92	1.91	1.91	1.91	1.91	1.91	1.91	S	1.90	1.90	1.90	1.90	1.90	1.91	1.92	1.91	1.91	1.92	1.93	1.90	1.91	1.91	1.92	1.92	1.90	1.93	1.91	
Jun 16	1.93	1.95	1.94	1.93	1.92	1.93	S	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.91	1.90	1.91	1.92	1.92	1.93	1.93	1.93	1.93	1.94	1.90	1.95	1.93	
Jun 17	1.94	1.96	1.99	2.01	1.95	S	1.94	Q	Q	Q	1.92	1.94	1.94	1.94	1.93	1.93	1.92	1.93	1.94	1.93	1.94	1.94	1.94	1.94	1.92	2.01	1.94	
Jun 18	1.94	1.94	1.93	1.94	S	1.94	1.94	1.94	1.94	1.94	1.93	1.92	1.90	1.89	1.90	1.90	1.91	1.91	1.91	1.91	1.91	1.92	1.93	1.93	1.89	1.94	1.92	
Jun 19	1.94	1.93	1.93	S	1.94	1.94	1.95	1.96	1.96	1.94	1.93	1.92	1.92	1.92	1.92	1.91	1.91	1.92	1.91	1.91	1.92	1.92	2.00	1.98	2.00	1.91	2.00	1.94
Jun 20	1.96	1.95	S	1.94	1.94	1.94	1.95	1.96	1.96	1.95	1.94	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.94	1.96	1.98	1.92	1.98	1.94	
Jun 21	1.97	S	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.94	1.93	1.92	1.92	1.92	1.90	1.90	1.90	1.91	1.91	1.91	1.91	1.91	1.94	2.05	1.98	1.90	2.05	1.94
Jun 22	S	1.94	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.93	1.93	1.92	1.91	1.90	1.90	1.89	1.88	1.89	1.90	1.95	1.96	1.94	1.92	S	1.88	1.96	1.93	
Jun 23	1.93	1.93	1.93	1.92	1.92	1.93	1.93	1.92	1.91	1.91	1.90	1.90	1.88	1.87	1.87	1.87	2.00	1.90	1.90	1.89	1.89	1.90	S	1.90	1.87	2.00	1.91	
Jun 24	1.90	1.91	1.91	1.90	1.90	1.89	1.88	1.88	1.88	1.88	1.88	1.89	1.90	1.90	1.92	1.93	1.93	1.93	1.93	1.93	1.93	S	1.92	1.93	1.88	1.93	1.91	
Jun 25	1.92	1.93	1.91	1.91	1.92	1.92	1.93	1.95	1.94	1.93	1.92	1.92	1.92	1.91	1.91	1.89	1.89	1.89	1.89	1.89	1.89	S	1.91	2.05	2.11	1.89	2.11	1.93
Jun 26	1.99	2.02	2.02	2.01	2.00	2.00	1.96	1.95	1.95	1.94	1.94	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.92	S	1.94	1.92	1.94	1.94	1.91	2.02	1.95	
Jun 27	1.93	1.95	1.96	1.95	1.95	1.94	1.93	1.93	1.94	1.95	1.94	1.93	1.93	1.93	1.92	1.91	1.91	1.92	S	1.95	1.95	1.92	1.94	1.95	1.91	1.96	1.94	
Jun 28	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.96	1.95	1.93	1.92	1.91	1.90	1.90	1.90	1.91	1.91	S	1.91	1.91	1.91	1.99	2.23	2.06	1.90	2.23	1.95	
Jun 29	2.01	2.01	2.02	1.99	1.97	1.95	1.95	1.95	1.94	1.94	1.94	1.92	1.92	1.92	1.91	1.90	S	1.90	1.91	1.91	1.93	1.92	1.93	1.93	1.90	2.02	1.94	
Jun 30	1.95	1.95	1.95	2.01	2.04	2.05	1.99	1.96	1.95	1.93	1.92	1.90	1.88	1.88	1.88	S	1.88	1.88	1.88	1.89	1.90	1.91	1.91	1.92	1.88	2.05	1.93	
Diurnal Maximum	2.01	2.02	2.02	2.01	2.04	2.05	1.99	1.98	1.98	1.98	1.96	1.96	1.97	1.97	1.96	1.96	2.00	1.96	1.97	1.97	2.03	2.07	2.23	2.11				
Diurnal Average	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.93	1.93	1.92	1.91	1.91	1.92	1.92	1.92	1.92	1.94	1.94	1.96	1.95				

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

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.

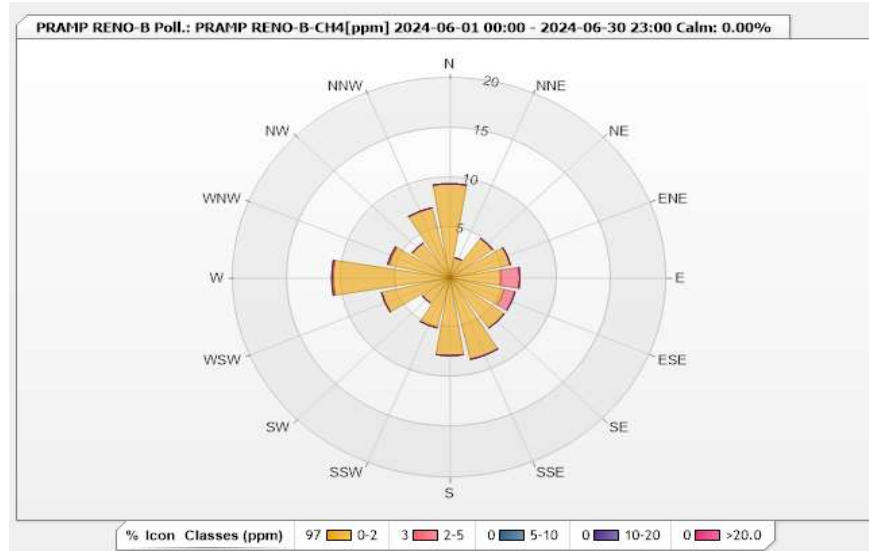


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-CH4[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.44% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	9.41	0	0	0	0	9.41
NNE	2.06	0	0	0	0	2.06
NE	4.85	0	0	0	0	4.85
ENE	5.74	0	0	0	0	5.74
E	4.71	1.76	0	0	0	6.47
ESE	5.15	1.03	0	0	0	6.18
SE	6.18	0	0	0	0	6.18
SSE	8.38	0	0	0	0	8.38
S	7.79	0	0	0	0	7.79
SSW	5.15	0	0	0	0	5.15
SW	3.09	0	0	0	0	3.09
WSW	6.47	0	0	0	0	6.47
W	10.74	0.15	0	0	0	10.89
WNW	5.74	0.15	0	0	0	5.89
NW	4.26	0	0	0	0	4.26
NNW	7.21	0	0	0	0	7.21
Summary	96.93	3.09	0	0	0	100



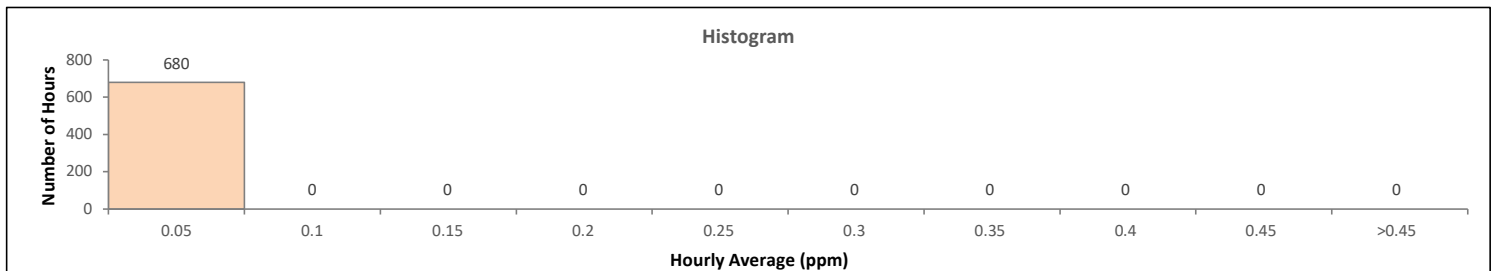
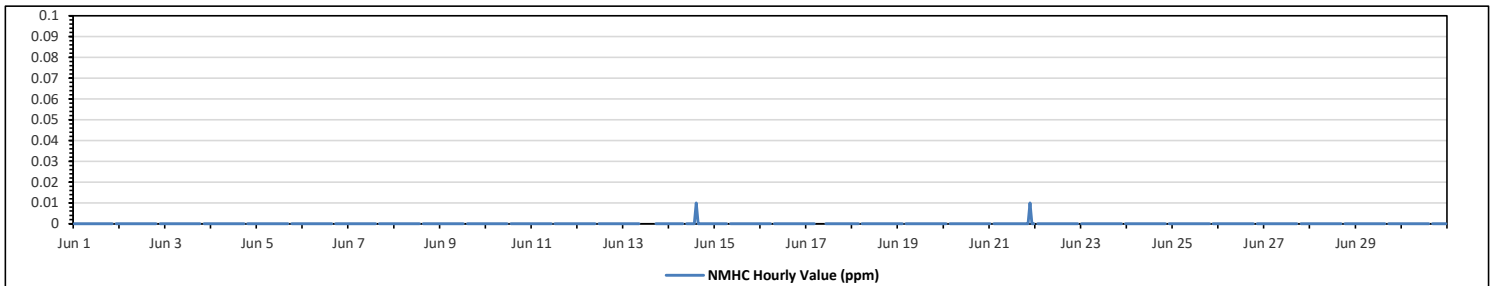
Peace River Area Monitoring Program

Reno-B Station - June 2024

Summary of Hourly Averages

NON-METHANE HYDROCARBONS (NMHC) in ppm

Maximum Hourly Value:	0.01	ppm	on Jun 14 at hr 14	Hours in Service:	720																							
Maximum Daily Value:	0.00	ppm	on Jun 14	Hours of Data:	680																							
Minimum Hourly Value:	0.00	ppm	on Jun 1 at hr 0	Hours of Missing Data:	2																							
Minimum Daily Value:	0.00	ppm	on Jun 1	Hours of Calibration:	38																							
Monthly Average:	0.00	ppm		Operational Uptime:	99.7																							
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00
Jun 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	0.00
Jun 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	0.00
Jun 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	0.00
Jun 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	0.00
Jun 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	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
Jun 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	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
Jun 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	0.00
Jun 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	0.00
Jun 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	0.00
Jun 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	0.00
Jun 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	C	C	C	C	K	K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Jun 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	0.01	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
Jun 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	0.00
Jun 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	0.00
Jun 17	0.00	0.00	0.00	0.00	0.00	S	0.00	Q	Q	Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00
Jun 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	0.00
Jun 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	0.00
Jun 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	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Jun 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	0.00
Jun 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	0.00	S	0.00	0.00	0.00	0.00
Jun 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	0.00
Jun 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	0.00
Jun 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	0.00
Jun 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.00
Jun 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	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
Jun 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	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	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	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.																												

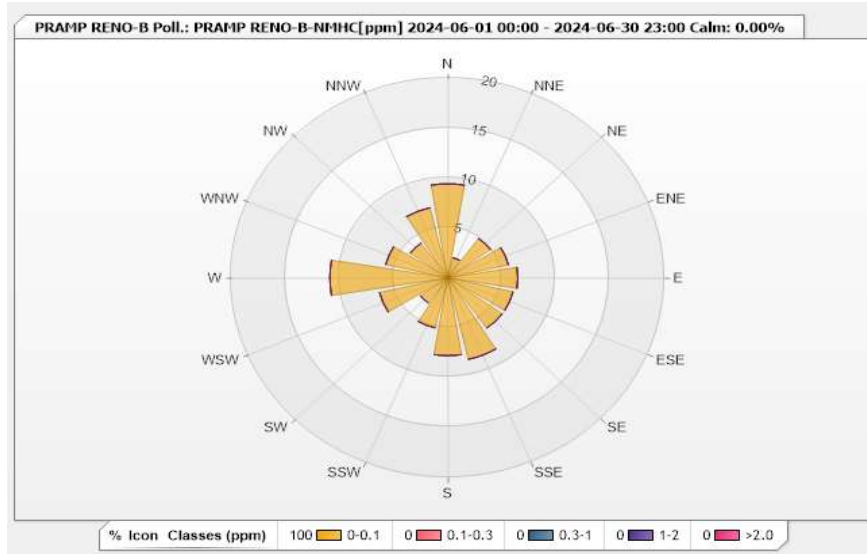


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-NMHC[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.44% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	9.41	0	0	0	0	9.41
NNE	2.06	0	0	0	0	2.06
NE	4.85	0	0	0	0	4.85
ENE	5.74	0	0	0	0	5.74
E	6.47	0	0	0	0	6.47
ESE	6.18	0	0	0	0	6.18
SE	6.18	0	0	0	0	6.18
SSE	8.38	0	0	0	0	8.38
S	7.79	0	0	0	0	7.79
SSW	5.15	0	0	0	0	5.15
SW	3.09	0	0	0	0	3.09
WSW	6.47	0	0	0	0	6.47
W	10.88	0	0	0	0	10.88
WNW	5.88	0	0	0	0	5.88
NW	4.26	0	0	0	0	4.26
NNW	7.21	0	0	0	0	7.21
Summary	100	0	0	0	0	100



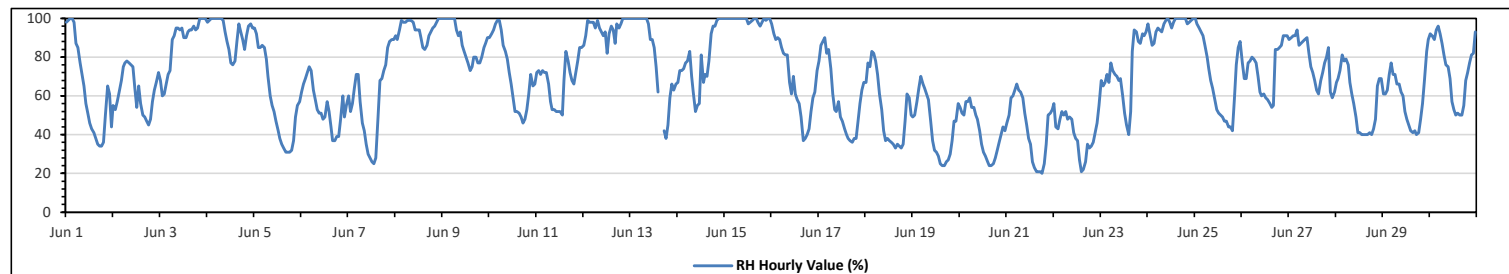
Peace River Area Monitoring Program

Reno-B Station - June 2024

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Jun 1 at hr 2	Hours in Service:	720																											
Maximum Daily Value:	99.4	%	on Jun 15	Hours of Data:	718																											
Minimum Hourly Value:	20	%	on Jun 21 at hr 18	Hours of Missing Data:	2																											
Minimum Daily Value:	40.9	%	on Jun 22	Hours of Calibration:	0																											
Monthly Average:	69.2	%		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					
Jun 1	98	99	100	100	98	87	85	77	71	65	56	51	46	43	41	38	35	34	34	36	50	65	61	44	34	100	63.1					
Jun 2	55	53	57	62	68	75	77	78	77	76	75	64	54	65	56	50	49	47	45	48	57	63	67	72	45	78	62.1					
Jun 3	68	60	61	66	71	73	89	91	95	95	94	95	90	90	93	94	94	96	94	95	100	100	100	100	60	100	87.7					
Jun 4	98	99	100	100	100	100	100	100	99	93	88	84	77	76	78	88	97	93	89	84	91	96	97	95	76	100	92.6					
Jun 5	95	92	85	85	86	85	79	70	60	55	52	47	42	38	35	33	31	31	31	32	37	49	55	57	31	95	56.8					
Jun 6	62	66	69	72	75	73	63	58	53	51	51	48	49	57	52	44	37	37	39	39	48	60	49	55	37	75	54.5					
Jun 7	60	52	56	64	71	71	57	46	42	35	30	28	26	25	28	49	68	69	73	76	85	88	89	89	25	89	57.4					
Jun 8	91	89	94	99	98	98	99	99	99	98	94	94	94	90	85	84	86	91	93	95	96	98	100	100	84	100	94.3					
Jun 9	100	100	100	100	100	100	100	100	94	91	93	86	83	80	77	73	75	80	80	77	77	80	85	87	90	73	100	87.8				
Jun 10	90	92	94	97	99	99	94	86	83	79	72	66	59	52	52	51	49	46	48	53	61	71	65	66	46	99	71.8					
Jun 11	72	73	71	73	72	72	66	57	53	53	52	52	52	50	68	83	78	72	68	66	72	78	85	85	50	85	67.6					
Jun 12	86	91	99	98	98	98	95	99	95	93	91	93	82	92	96	94	87	97	95	97	100	100	100	100	82	100	94.8					
Jun 13	100	100	100	100	100	100	100	100	100	97	89	89	85	75	62	K	K	42	38	45	59	66	63	66	38	100	80.7					
Jun 14	67	73	73	74	77	78	83	70	62	52	55	56	81	67	71	70	78	92	96	96	99	100	100	100	52	100	77.9					
Jun 15	100	100	100	100	100	100	100	100	100	100	100	100	97	98	99	100	100	98	96	98	100	99	100	100	96	100	99.4					
Jun 16	97	92	89	90	89	85	82	81	81	67	61	70	61	58	56	49	37	38	40	43	52	59	62	73	37	97	67.2					
Jun 17	78	86	88	90	82	84	74	61	53	52	57	49	47	43	40	38	37	36	38	38	47	56	63	67	36	90	58.5					
Jun 18	67	77	75	83	82	78	71	61	53	42	37	38	37	36	35	33	35	34	33	35	47	61	59	50	33	83	52.5					
Jun 19	49	50	57	64	70	66	64	61	58	47	37	32	31	29	25	24	24	26	27	30	37	47	47	56	24	70	44.1					
Jun 20	54	51	50	57	57	59	54	54	50	48	42	35	31	29	26	24	24	25	28	32	36	40	44	42	24	59	41.3					
Jun 21	46	50	59	60	63	66	63	62	59	51	45	38	35	26	23	21	21	21	20	25	35	50	51	53	20	66	43.5					
Jun 22	56	44	43	48	52	50	52	48	49	48	41	38	37	27	21	22	26	35	33	34	36	41	46	55	21	56	40.9					
Jun 23	68	65	67	71	67	77	73	71	70	68	69	60	51	45	40	52	83	94	93	88	87	92	91	93	40	94	72.3					
Jun 24	97	91	86	87	93	95	94	93	97	99	100	98	95	98	100	100	100	100	100	97	98	99	99	100	86	100	96.5					
Jun 25	100	97	95	93	91	86	80	74	68	64	58	53	51	50	49	47	47	44	44	42	58	76	85	88	42	100	68.3					
Jun 26	77	69	69	77	78	80	79	77	70	62	60	61	59	58	56	54	55	84	84	85	86	91	91	91	54	91	73.0					
Jun 27	89	90	91	91	94	86	87	88	89	90	82	75	72	68	63	61	68	72	77	80	85	62	59	62	59	94	78.4					
Jun 28	67	69	73	81	78	79	76	67	61	56	49	41	41	40	40	40	40	41	40	43	48	65	69	69	40	81	57.2					
Jun 29	61	61	63	71	77	71	71	66	66	62	60	52	48	45	42	41	42	40	41	48	56	68	83	89	40	89	59.3					
Jun 30	92	91	89	94	96	92	87	81	76	75	69	57	53	50	51	50	50	55	68	72	77	81	82	93	50	96	74.2					
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	100	100	97	98	100	100	100	100	100	100	100	100	100	100							
Diurnal Average	78.0	77.4	78.4	81.6	82.7	82.1	79.8	75.7	72.7	68.9	65.1	61.6	58.8	56.6	55.2	55.5	57.2	59.0	59.4	61.1	67.3	73.5	75.0	76.7								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
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.																																



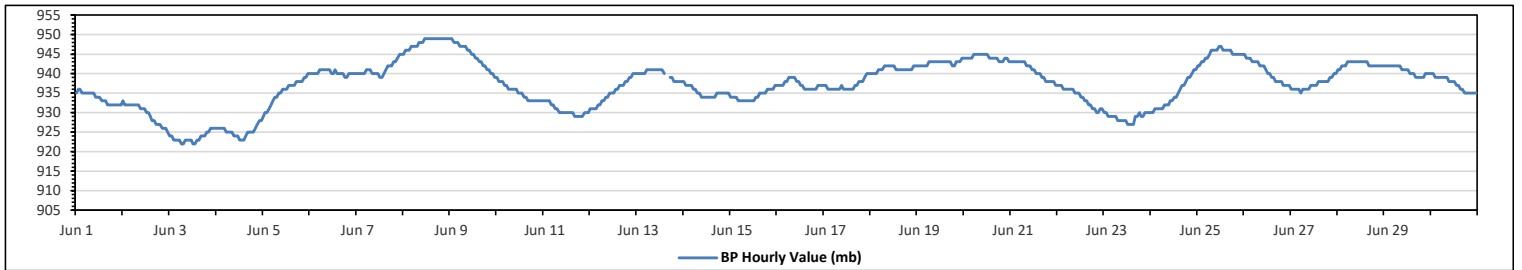
Peace River Area Monitoring Program

Reno-B Station - June 2024

Summary of Hourly Averages

BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	949	mb	on Jun 8 at hr 11	Hours in Service:	720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Maximum Daily Value:	948	mb	on Jun 8	Hours of Data:	718																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Minimum Hourly Value:	922	mb	on Jun 3 at hr 6	Hours of Missing Data:	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Minimum Daily Value:	924	mb	on Jun 3	Hours of Calibration:	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Monthly Average:	937	mb		Operational Uptime:	99.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Jun 1	935	936	936	935	935	935	935	935	935	934	934	934	933	933	933	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	932	9



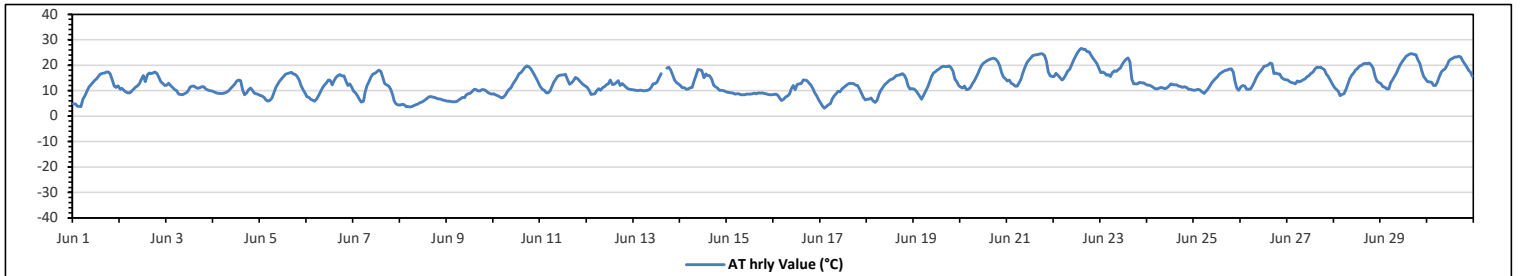
Peace River Area Monitoring Program

Reno-B Station - June 2024

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	26.6	°C	on Jun 22 at hr 14	Hours in Service:	720																											
Maximum Daily Value:	20.8	°C	on Jun 22	Hours of Data:	718																											
Minimum Hourly Value:	3.1	°C	on Jun 17 at hr 2	Hours of Missing Data:	2																											
Minimum Daily Value:	5.6	°C	on Jun 8	Hours of Calibration:	0																											
Monthly Average:	13.1	°C		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					
Jun 1	4.8	4.7	3.9	3.9	3.8	6.6	8.2	9.9	11.4	12.3	13.2	14	14.7	15.7	16.5	16.8	17	17.3	17.3	16.7	14.2	11.8	11.2	11.9	3.8	17.3	11.6					
Jun 2	10.5	10.9	10.1	9.5	9.1	9.1	9.8	10.7	11.4	11.9	12.8	14.6	16	13.6	16.3	17	16.6	17	17.4	16.6	15	13.5	12.8	12	9.1	17.4	13.1					
Jun 3	12.2	12.9	12	11.2	10.4	10	8.6	8.5	8.4	8.7	9.2	9.9	11.4	11.8	11.8	11.3	10.9	11.1	11.5	11.5	10.7	10.3	10	9.8	8.4	12.9	10.6					
Jun 4	9.6	9.3	9	8.9	8.9	8.9	9.1	9.5	10.1	11	11.8	12.6	13.8	14.2	13.9	10.4	8.3	9.1	10.4	11	10.3	9	8.7	8.5	8.3	14.2	10.3					
Jun 5	8.2	7.9	7.4	6.4	5.9	6.1	7.1	9.2	11.2	12.5	13.7	14.7	15.5	16.4	16.6	16.9	17.2	16.5	16.4	15.7	14.2	11.9	10.4	9.2	5.9	17.2	12.0					
Jun 6	7.7	7.4	6.7	6.2	5.8	6.6	8.2	9.6	11.1	12.1	13.1	14.2	14	12.3	13.9	15.1	15.9	16.3	15.8	15.8	13.8	12.1	12.7	11.4	5.8	16.3	11.6					
Jun 7	9.7	9.2	8.1	6.6	5.5	5.8	9.4	12	13.6	15.5	16.5	16.8	17.5	18.1	17.6	15.3	12.8	12.3	11.8	10.5	8.4	5.9	4.7	4.3	4.3	18.1	11.2					
Jun 8	4.3	4.6	4.4	3.7	3.8	3.6	3.7	4.2	4.5	4.7	5.2	5.5	5.9	6.5	7.1	7.6	7.6	7.3	7.2	6.9	6.8	6.6	6.3	6.1	3.6	7.6	5.6					
Jun 9	5.9	5.8	5.7	5.6	5.6	5.7	6.3	6.9	7.4	7.2	8.4	8.7	9	9.7	10.6	10.4	9.8	9.8	10.4	10.4	10	9.3	8.9	8.6	5.6	10.6	8.2					
Jun 10	8.7	8.4	8	7.6	7.1	7.3	8.4	9.5	10.5	11.1	12.6	13.9	15.1	16.6	17.1	18.1	19	19.7	19.5	18.7	17.3	16	14.9	13.3	7.1	19.7	13.3					
Jun 11	11.7	10.6	10.1	9.2	9.1	9.8	11.7	13.5	14.6	15.7	16.1	16.2	16.2	16.4	14.1	12.5	13	13.9	15.2	14.8	14	13.2	12.4	11.9	9.1	16.4	13.2					
Jun 12	11.2	10.1	8.5	8.6	8.8	10	10.8	10.2	11.1	11.6	12.4	12.7	14.1	12.4	12.5	13.2	13.9	12.1	12.8	12.2	11.4	10.8	10.6	10.4	8.5	14.1	11.4					
Jun 13	10.3	10.1	10	10.1	10.1	9.9	10	10.1	10.4	11.2	12.6	12.8	13.3	15.2	16.6	K	K	18.8	19.2	18.1	16.2	14.1	13.1	12.6	9.9	19.2	12.9					
Jun 14	12.1	11.1	11.1	10.6	10.7	11.1	11.2	13.8	15.9	18.3	18.2	17.9	15	16.5	16	15.9	14.5	12.2	11.5	11	10.2	10.2	10	9.7	9.7	18.3	13.1					
Jun 15	9.4	9.3	9.1	9	8.6	8.7	8.8	8.4	8.3	8.3	8.6	8.6	8.6	8.7	9	8.8	9.1	9	9.1	8.9	8.8	8.5	8.3	8.3	8.3	9.4	8.8					
Jun 16	8.5	8.6	8.2	7.1	6.1	6.7	7.5	7.9	8.6	10.8	12	10.4	12.4	12.7	12.8	14.2	14.2	13.9	13.2	12.2	10.9	9.2	8	6.2	6.1	14.2	10.1					
Jun 17	5.3	4	3.1	3.8	4.4	4.8	6.8	8	8.7	9.7	9.5	10.7	11.3	12.1	12.5	12.9	12.8	12.8	12.2	12.1	10.7	9	7.4	6.4	3.1	12.9	8.8					
Jun 18	6.6	6.6	7.1	5.9	5.4	6.3	8.6	10	11.2	12.4	13.1	13.7	14.4	14.5	15.2	16	16.1	16.3	16.6	16.1	14.5	11.8	10.7	10.8	5.4	16.6	11.7					
Jun 19	10.7	10	8.8	7.6	6.7	8.2	9.6	11.4	13.5	15.5	16.9	17.5	18	18.6	19.1	19.6	19.5	19.5	19.7	19.2	17.7	14.5	13.6	12	6.7	19.7	14.5					
Jun 20	11.4	11	11.8	10.4	10.6	11.1	12.8	13.9	15.4	16.9	18.8	20.3	20.9	21.5	21.9	22.3	22.6	22.7	22.5	21.5	19.8	17.1	15.3	14.7	10.4	22.7	17.0					
Jun 21	13.8	14.1	12.9	12.5	11.8	11.8	13.2	14.7	16.8	19.2	21	22	22.9	23.7	24	24.2	24.3	24.5	24.5	23.9	21.6	17.3	15.8	15.6	11.8	24.5	18.6					
Jun 22	15.5	16.8	16.1	15.2	14.1	14.8	16.1	17.6	18.5	20.2	21.9	23.5	24.8	25.9	26.6	26.3	26.2	25.4	25.2	23.9	22.9	21.8	20.6	18.9	14.1	26.6	20.8					
Jun 23	17.1	17.4	16.9	16.1	16.1	16.3	15.6	17.1	17.8	17.6	18.3	18.8	20.1	21.5	22.4	22.9	21.3	14.4	12.7	12.6	12.7	13.3	13	13	12.5	12.5	22.9	16.7				
Jun 24	12.2	12.2	11.8	11.3	10.8	10.7	11	11.3	11	10.8	11	11.8	12.7	12.4	12.3	12.3	11.8	11.7	11.3	11.5	11.3	10.6	10.5	10.3	10.3	12.7	11.4					
Jun 25	10.2	10.3	10.5	10.3	9.5	8.9	9.6	10.5	11.6	12.9	14	14.8	15.6	16.5	17.1	17.6	17.9	18.1	18.5	18.6	17.3	13.7	11	10.2	8.9	18.6	13.6					
Jun 26	11.5	12.1	11.8	10.6	10.5	10.7	11.9	13.5	15.2	16.6	17.6	18.6	19.6	19.7	20.1	20.8	20.6	16.7	16.9	16.5	16.5	15.2	14.6	14.3	10.5	20.8	15.5					
Jun 27	14.2	13.6	13.2	13	12.7	13.7	13.5	13.8	14.3	14.7	15.4	15.8	16.6	17.4	18.4	19.1	19	19.2	18.7	18.2	16.4	15.6	13.9	12.5	12.5	19.2	15.5					
Jun 28	11.3	10.7	9.7	8	8.5	8.8	10.4	12.5	14.7	16.1	17	18	18.9	19.7	20	20.5	20.7	20.5	20.8	20.1	18.9	15.3	13.7	13.2	8.0	20.8	15.3					
Jun 29	12.8	11.6	11.2	10.7	10.7	13.2	14.3	15.7	16.9	18.7	20.2	21.6	22.6	23.4	24	24.4	24.4	24.3	24.1	22.1	20.7	17.8	15.5	14.6	10.7	24.4	18.1					
Jun 30	13.6	13.4	13.3	12	12.1	13.5	15.5	17.3	18.1	18.6	20.2	21.7	22.3	22.8	23.2	23.2	23.5	23.2	21.7	20.5	19.5	18.1	17.4	15.7	12.0	23.5	18.4					
Diurnal Maximum	17.1	17.4	16.9	16.1	16.3	15.6	17.1	17.8	18.5	20.2	21.9	23.5	24.8	25.9	26.6	26.3	26.2	25.4	25.2	23.9	22.9	21.8	20.6	18.9								
Diurnal Average	10.4	10.2	9.7	9.1	8.8	9.3	10.3	11.4	12.4	13.5	14.4	15.1	15.8	16.2	16.7	16.7	16.3	16.1	16.1	15.6	14.4	12.8	11.9	11.2								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
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.																																



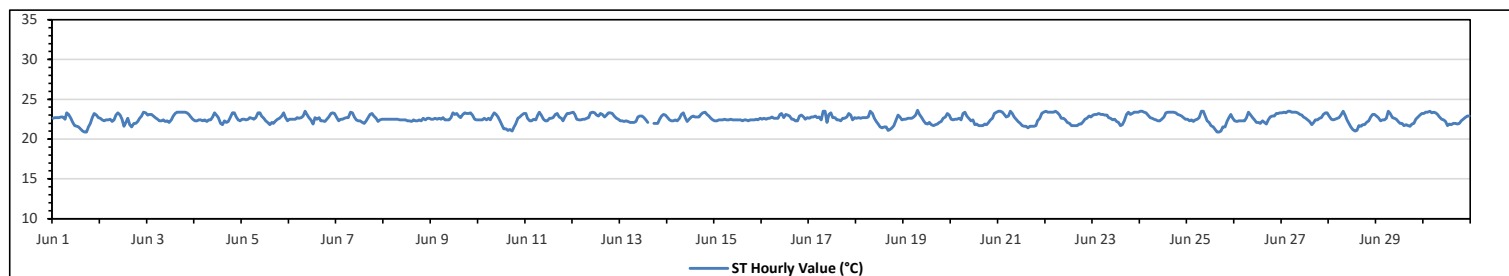
Peace River Area Monitoring Program

Reno-B Station - June 2024

Summary of Hourly Averages

STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.6	°C	on Jun 19 at hr 7	Hours in Service:	720																						
Maximum Daily Value:	23.0	°C	on Jun 24	Hours of Data:	718																						
Minimum Hourly Value:	20.9	°C	on Jun 1 at hr 16	Hours of Missing Data:	2																						
Minimum Daily Value:	22.2	°C	on Jun 25	Hours of Calibration:	0																						
Monthly Average:	22.6	°C		Operational Uptime:	99.7																						
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Jun 1	22.6	22.7	22.7	22.7	22.8	22.8	22.5	23.3	23.1	22.6	22.1	21.7	21.6	21.5	21.3	21.0	20.9	20.9	21.5	22.0	22.7	23.2	23.0	22.7	20.9	23.3	22.2
Jun 2	22.6	22.4	22.3	22.4	22.4	22.5	22.2	22.4	23.0	23.3	23.0	22.5	21.6	22.1	22.6	21.8	21.5	22.0	22.0	22.2	22.6	22.9	23.4	23.3	21.5	23.4	22.5
Jun 3	23.0	23.1	23.1	22.9	22.7	22.5	22.3	22.3	22.4	22.2	22.3	22.1	22.4	22.9	23.2	23.4	23.4	23.4	23.4	23.4	23.3	23.1	22.8	22.5	22.1	23.4	22.8
Jun 4	22.3	22.3	22.4	22.4	22.3	22.4	22.2	22.4	22.4	22.8	23.3	23.0	22.7	22.0	21.8	22.3	22.1	22.2	22.7	23.3	23.3	22.8	22.4	22.3	21.8	23.3	22.5
Jun 5	22.5	22.5	22.4	22.5	22.7	22.6	22.5	22.7	23.3	23.3	22.9	22.6	22.3	22.1	21.8	22.1	22.0	22.3	22.5	22.6	22.9	23.3	22.8	22.3	21.8	23.3	22.6
Jun 6	22.5	22.5	22.5	22.5	22.7	22.6	22.7	22.9	23.5	23.0	22.7	22.4	21.9	22.7	22.5	22.7	22.3	22.3	22.2	22.5	22.8	23.2	23.3	23.2	21.9	23.5	22.7
Jun 7	22.8	22.3	22.5	22.5	22.6	22.7	22.7	23.4	23.3	22.8	22.4	22.3	22.3	22.1	22.0	22.3	22.7	23.1	23.2	22.9	22.6	22.2	22.4	22.5	22.0	23.4	22.6
Jun 8	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.4	22.4	22.4	22.4	22.3	22.3	22.2	22.4	22.3	22.3	22.4	22.3	22.6	22.4	22.6	22.6	22.2	22.6	22.4
Jun 9	22.5	22.5	22.6	22.5	22.6	22.5	22.7	22.4	22.4	22.4	22.7	23.3	23.1	23.2	22.9	22.7	23.1	23.3	23.2	23.2	23.3	23.0	22.5	22.4	22.4	23.3	22.8
Jun 10	22.4	22.4	22.4	22.6	22.4	22.6	22.4	22.9	23.3	23.1	22.8	22.2	21.7	21.3	21.3	21.1	21.2	21.0	21.5	21.9	22.6	22.8	23.0	23.2	21.0	23.3	22.3
Jun 11	23.2	22.6	22.3	22.3	22.5	22.4	23.0	23.4	23.0	22.5	22.3	22.3	22.6	22.6	22.7	23.1	23.2	22.8	22.6	22.3	22.8	23.2	23.2	23.3	22.3	23.4	22.8
Jun 12	23.4	23.1	22.5	22.4	22.4	22.5	22.5	22.6	22.7	23.3	23.4	23.3	23.0	22.9	23.2	23.1	22.8	23.0	23.3	23.3	23.2	22.9	22.6	22.5	22.4	23.4	22.9
Jun 13	22.3	22.3	22.2	22.3	22.2	22.1	22.1	22.1	22.2	22.8	22.9	22.9	22.7	22.4	22.1	K	K	22.0	22.0	22.0	22.5	22.9	23.1	23.0	22.0	23.1	22.4
Jun 14	22.7	22.4	22.3	22.3	22.4	22.3	22.6	23.1	23.3	22.7	22.2	22.5	22.8	22.9	22.8	22.8	22.8	23.1	23.3	23.4	23.1	22.9	22.6	22.4	22.2	23.4	22.7
Jun 15	22.3	22.3	22.4	22.4	22.4	22.5	22.4	22.4	22.5	22.4	22.4	22.4	22.4	22.4	22.3	22.4	22.4	22.3	22.4	22.4	22.4	22.5	22.4	22.6	22.3	22.6	22.4
Jun 16	22.5	22.6	22.5	22.6	22.6	22.8	22.6	22.6	22.6	22.6	23.1	23.2	22.7	23.1	23.0	22.9	22.5	22.5	22.3	22.3	22.9	23.0	22.8	22.5	22.7	22.3	22.7
Jun 17	22.6	22.8	22.8	22.9	22.7	22.8	22.4	23.5	23.5	22.1	23.1	23.3	22.7	22.7	22.4	22.4	22.3	22.6	22.6	22.8	23.2	23.0	22.4	22.7	22.1	23.5	22.8
Jun 18	22.6	22.7	22.6	22.7	22.7	22.7	22.8	23.5	23.2	22.6	22.2	21.9	21.5	21.4	21.5	21.5	21.1	21.2	21.4	21.7	22.4	23.0	22.8	22.4	21.1	23.5	22.3
Jun 19	22.5	22.5	22.6	22.6	22.6	22.8	23.0	23.6	23.1	22.7	22.3	22.0	21.9	22.1	21.8	21.7	21.8	21.9	22.1	22.2	22.6	22.8	23.2	23.0	21.7	23.6	22.5
Jun 20	22.5	22.4	22.5	22.5	22.6	22.4	23.2	23.4	22.9	22.6	22.3	22.4	21.8	21.9	21.7	21.7	21.7	21.9	21.8	22.1	22.4	22.6	23.2	23.4	21.7	23.4	22.4
Jun 21	23.5	23.5	23.4	23.1	22.8	22.9	23.5	23.2	22.8	22.5	22.2	22.0	21.7	21.6	21.6	21.4	21.6	21.6	21.6	21.7	22.3	22.6	23.2	23.4	21.4	23.5	22.5
Jun 22	23.5	23.4	23.4	23.4	23.4	23.5	23.3	23.0	22.6	22.6	22.4	22.1	22.0	21.7	21.7	21.7	21.7	21.9	21.9	22.2	22.5	22.6	22.9	22.8	21.7	23.5	22.6
Jun 23	23.0	23.1	23.1	23.2	23.1	23.1	23.0	23.0	22.7	22.6	22.4	22.5	22.2	22.1	21.7	21.8	22.3	23.1	23.4	23.1	23.2	23.4	23.4	23.4	21.7	23.4	22.8
Jun 24	23.5	23.5	23.4	23.3	23.0	22.7	22.6	22.5	22.4	22.3	22.3	22.5	22.8	23.3	23.4	23.4	23.4	23.4	23.3	23.1	23.0	22.9	22.7	22.5	22.3	23.5	23.0
Jun 25	22.5	22.3	22.4	22.2	22.4	22.5	22.7	23.5	23.5	22.9	22.3	22.1	21.7	21.5	21.2	20.9	20.9	21.0	21.5	21.5	22.2	22.7	23.1	22.6	20.9	23.5	22.2
Jun 26	22.3	22.2	22.3	22.3	22.3	22.3	22.7	23.4	23.0	22.7	22.4	22.1	22.1	22.0	22.3	22.1	21.9	22.4	22.8	22.9	22.9	23.2	23.2	23.3	21.9	23.4	22.5
Jun 27	23.3	23.4	23.3	23.5	23.5	23.4	23.4	23.4	23.3	23.1	23.0	22.8	22.6	22.4	22.2	21.8	22.1	22.4	22.4	22.6	22.7	23.1	23.3	23.3	21.8	23.5	22.9
Jun 28	22.9	22.5	22.4	22.5	22.6	22.7	23.0	23.5	23.0	22.4	21.9	21.5	21.2	21.0	21.1	21.7	21.6	21.8	21.8	22.1	22.3	22.8	23.1	23.1	21.0	23.5	22.3
Jun 29	22.9	22.7	22.3	22.4	22.4	22.6	23.5	23.2	22.7	22.6	22.5	22.2	22.0	22.0	21.7	21.8	21.7	21.6	21.9	22.0	22.5	22.8	23.0	23.2	21.6	23.5	22.4
Jun 30	23.2	23.4	23.4	23.5	23.3	23.4	23.3	23.1	22.8	22.5	22.4	22.2	21.7	21.9	21.8	22.0	22.0	21.9	22.0	22.3	22.5	22.7	22.9	22.9	21.7	23.5	22.6
Diurnal Maximum	23.5	23.5	23.4	23.5	23.5	23.5	23.5	23.6	23.5	23.3	23.4	23.3	23.1	23.3	23.4	23.4	23.4	23.4	23.4	23.4	23.3	23.4	23.4	23.4			
Diurnal Average	22.8	22.7	22.7	22.7	22.7	22.7	22.7	23.0	22.9	22.7	22.6	22.4	22.2	22.2	22.1	22.1	22.1	22.2	22.4	22.5	22.7	22.9	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 - June 2024

Summary of Hourly Averages

PRECIPITATION in mm

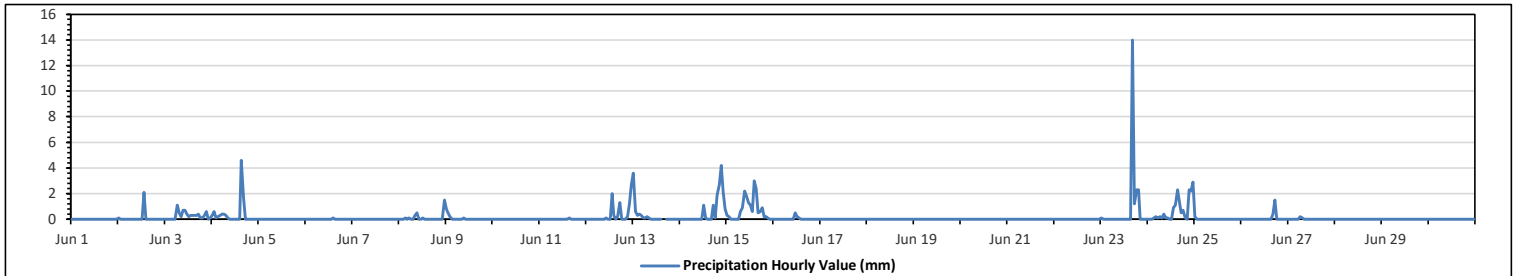
Maximum Hourly Value:	14.0	mm	on Jun 23 at hr 16	Hours in Service:	720
Maximum Daily Value:	19.9	mm	on Jun 23	Hours of Data:	718
Minimum Hourly Value:	0.0	mm	on Jun 1 at hr 0	Hours of Missing Data:	2
Minimum Daily Value:	0.0	mm	on Jun 1	Hours of Calibration:	0
Monthly Total:	105.6	mm		Operational Uptime:	99.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Total		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
Jun 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	
Jun 2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	2.1	0	0	0	0	0	0	0	0	0	0	0	0.0	2.1	2.2
Jun 3	0	0	0	0	0	0	1.1	0.5	0.2	0.7	0.7	0.4	0.2	0.3	0.3	0.3	0.3	0.4	0.1	0.1	0.3	0.6	0	0.1	0.0	1.1	6.6	
Jun 4	0.3	0.6	0.1	0.2	0.3	0.4	0.4	0.3	0.1	0	0	0	0	0	0	4.6	1.7	0	0	0	0	0	0	0	0.0	4.6	9.0	
Jun 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	
Jun 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1	
Jun 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	
Jun 8	0	0	0	0.1	0	0.1	0	0	0.3	0.5	0	0	0.1	0	0	0	0	0	0	0	0	0	0	1.5	0.0	1.5	2.6	
Jun 9	0.8	0.5	0.2	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.8	1.6	
Jun 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	
Jun 11	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	
Jun 12	0	0	0	0	0	0	0	0	0	0	0.1	0	0	2	0.3	0	0.2	1.3	0	0	0	0.2	1.2	2.7	0.0	2.7	8.0	
Jun 13	3.6	0.6	0.3	0.4	0.3	0.1	0.1	0.2	0.1	0	0	0	0	0	0	K	K	0	0	0	0	0	0	0	0.0	3.6	5.7	
Jun 14	0	0	0	0	0	0	0	0	0	0	0	0	1.1	0.1	0	0	0	1.1	0.1	1.9	2.7	4.2	2.1	0.8	0.0	4.2	14.1	
Jun 15	0.3	0.2	0	0	0	0	0	0.6	0.9	2.2	1.8	1.3	1.1	0.6	3	2.4	0.5	0.6	0.9	0.2	0.2	0.1	0	0	0.0	3.0	16.9	
Jun 16	0	0	0	0	0	0	0	0	0	0	0	0.5	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0.0	0.5	0.8	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 23	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	1.2	2.3	2.3	0	0	0	0	0.0	14.0	19.9	
Jun 24	0	0	0	0.1	0.2	0.1	0.2	0.1	0.4	0.1	0.1	0	0	0.9	1.1	2.3	1.3	0.5	0.7	0.1	0	2.3	2.2	2.9	0.0	2.9	15.6	
Jun 25	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.2	
Jun 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.5	0	0	0	0	0	0	0.0	1.5	1.9	
Jun 27	0	0	0	0	0	0	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.3	
Jun 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	
Jun 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	
Jun 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	
Diurnal Maximum	3.6	0.6	0.3	0.4	0.3	0.4	1.1	0.6	0.9	2.2	1.8	1.3	1.1	2.1	3.0	4.6	14.0	1.5	2.3	2.3	2.7	4.2	2.2	2.9				
Diurnal Average	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.6	0.2	0.1	0.2	0.1	0.2	0.2	0.3				

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

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.



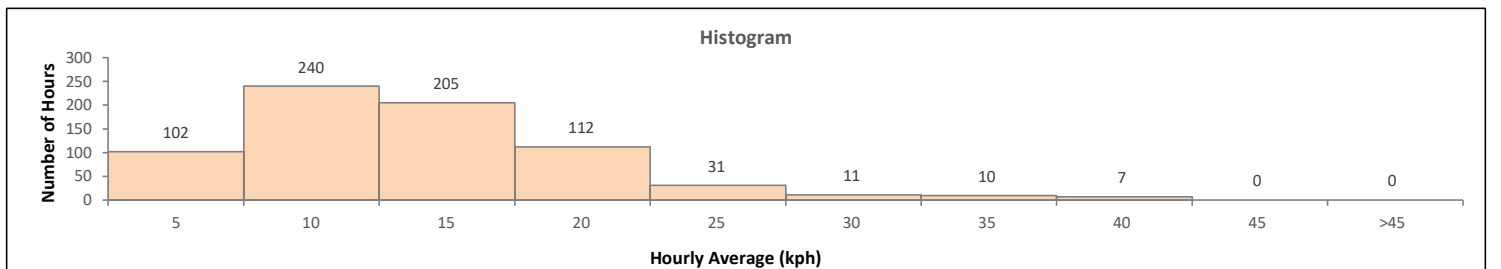
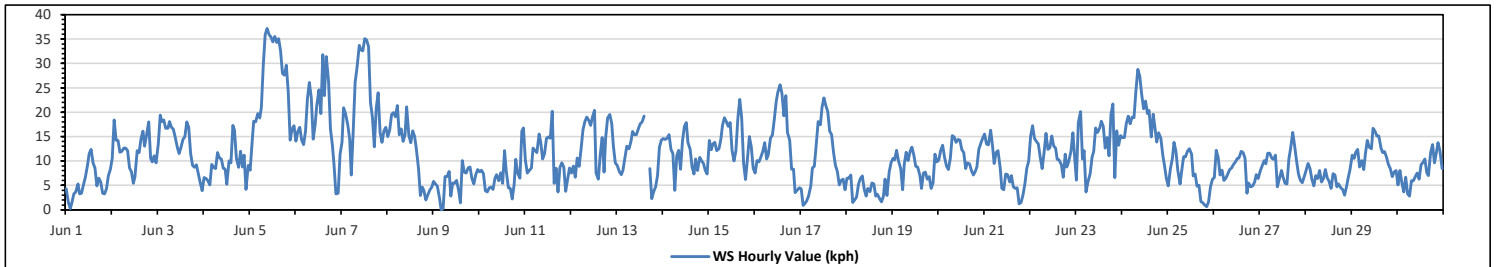
Peace River Area Monitoring Program

Reno-B Station - June 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	37.2	kph	on Jun 5 at hr 9	Hours in Service:	720																																						
Maximum Daily Value:	25.8	kph	on Jun 5	Hours of Data:	718																																						
Minimum Hourly Value:	0.0	kph	on Jun 9 at hr 4	Hours of Missing Data:	2																																						
Minimum Daily Value:	4.6	kph	on Jun 18	Hours of Calibration:	0																																						
Monthly Average:	2.1	kph		Operational Uptime:	99.7																																						
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average																
Jun 1	4.3	1.5	0.2	1.5	3.3	3.6	5.3	3.3	3.4	5.1	6.7	9.2	11.5	12.4	9.6	8.6	4.9	6.5	5.7	3.4	3.3	4.3	7.0	8.2	0.2	12.4	5.5																
Jun 2	10.5	18.4	14.3	14.2	11.8	12.0	12.6	12.6	12.1	8.6	7.8	5.4	6.8	12.1	11.7	14.6	16.1	13.0	15.2	18.0	10.5	9.8	11.1	9.6	5.4	18.4	12.0																
Jun 3	13.6	19.4	18.1	18.4	16.7	16.7	18.1	16.9	16.5	14.8	12.6	11.5	12.8	14.4	15.0	18.0	16.9	11.5	9.1	8.7	9.2	7.4	5.6	3.9	3.9	19.4	13.6																
Jun 4	6.6	6.4	5.9	5.1	9.3	8.7	8.4	11.7	10.6	10.4	8.5	8.3	5.2	10.0	9.6	17.3	16.3	10.5	8.7	12.0	8.8	11.2	4.2	9.1	4.2	17.3	9.3																
Jun 5	8.1	12.8	18.2	18.0	19.7	18.8	21.0	29.6	35.9	37.2	35.9	35.4	34.4	35.5	34.3	35.1	32.6	27.9	27.6	29.6	24.2	14.3	16.6	17.2	8.1	37.2	25.8																
Jun 6	14.1	16.0	16.9	14.3	13.4	16.1	22.8	26.1	23.0	14.5	17.4	21.3	24.6	19.7	31.8	23.4	31.4	26.3	16.5	13.2	9.3	3.3	3.4	11.4	3.3	31.8	17.9																
Jun 7	13.8	20.9	19.7	17.4	14.5	7.1	16.0	26.1	29.2	33.7	32.8	32.6	35.1	34.8	33.4	22.0	19.0	12.9	20.8	24.0	15.9	13.8	16.2	16.9	7.1	35.1	22.0																
Jun 8	15.0	16.3	19.5	19.9	19.1	21.4	15.4	16.6	14.0	15.4	21.1	15.2	13.7	16.2	15.0	12.6	8.5	2.9	4.6	3.9	2.0	3.2	4.1	4.7	2.0	21.4	12.5																
Jun 9	5.8	5.3	4.8	2.3	0.0	0.2	6.8	6.8	7.9	2.8	5.5	5.4	6.0	3.8	1.4	10.1	7.7	7.5	8.6	8.8	6.4	5.3	7.2	8.2	0.0	10.1	5.6																
Jun 10	7.8	8.1	7.4	3.9	3.6	4.5	4.6	4.2	6.5	7.2	5.9	7.6	5.4	12.1	8.1	4.5	4.4	2.2	5.2	10.3	7.5	6.5	16.1	16.8	2.2	16.8	7.1																
Jun 11	10.2	7.5	8.1	8.6	12.6	12.2	11.7	15.5	13.8	10.4	11.5	14.7	14.9	14.7	20.2	5.4	8.5	3.6	8.7	9.6	8.8	3.8	6.2	8.6	3.6	20.2	10.4																
Jun 12	7.5	9.0	6.7	10.6	8.9	12.4	16.4	18.1	19.0	18.3	17.3	19.1	20.4	7.5	6.3	11.3	14.8	7.7	14.8	18.8	19.5	17.6	13.1	9.6	6.3	20.4	13.5																
Jun 13	9.1	7.8	7.2	8.1	10.6	13.0	12.5	14.0	16.0	15.4	15.4	16.8	17.6	18.0	19.2	K	K	8.4	2.3	3.7	4.7	7.0	12.8	14.3	2.3	19.2	11.5																
Jun 14	14.6	14.4	14.7	15.4	12.4	11.5	4.0	11.0	12.2	8.3	14.1	17.1	17.9	13.8	12.4	8.8	7.3	10.4	8.0	10.7	10.0	9.4	8.1	7.3	4.0	17.9	11.4																
Jun 15	14.2	12.3	13.5	13.8	12.1	12.5	14.5	17.3	18.9	18.1	17.1	17.9	12.1	10.0	12.1	18.7	22.6	18.8	9.5	6.2	10.4	15.0	12.9	8.5	6.2	22.6	14.1																
Jun 16	7.5	10.1	9.8	10.8	12.0	13.7	10.4	11.3	14.7	15.3	18.5	22.2	24.1	25.6	23.8	19.3	23.4	15.9	14.3	8.3	3.5	4.0	4.5	3.5	3.5	25.6	13.8																
Jun 17	4.3	0.9	1.2	1.8	2.8	4.9	8.6	8.9	13.4	18.1	17.4	21.0	22.9	21.4	20.1	16.1	15.4	11.8	9.1	7.9	5.1	6.0	6.3	4.1	0.9	22.9	10.4																
Jun 18	6.5	6.5	7.1	1.5	2.0	2.6	5.2	6.4	6.9	4.2	2.8	4.4	3.7	5.5	5.3	2.8	3.2	2.3	1.6	2.8	6.3	2.9	7.8	9.7	1.5	9.7	4.6																
Jun 19	10.5	10.2	12.2	10.0	8.4	4.1	9.3	11.8	10.1	12.1	12.8	11.2	8.9	8.8	7.0	4.4	7.5	7.7	6.3	6.8	4.4	5.5	11.4	9.8	4.1	12.8	8.8																
Jun 20	10.2	12.2	13.2	10.7	9.0	8.2	10.5	15.2	14.9	13.8	14.4	14.3	12.3	11.7	8.4	9.6	9.4	8.0	7.1	7.9	8.8	12.4	13.7	14.8	7.1	15.2	11.3																
Jun 21	15.5	13.5	13.3	16.3	13.0	9.5	11.7	12.1	8.5	4.4	4.1	7.3	7.2	5.7	7.0	4.7	4.4	4.5	1.2	1.5	3.0	5.3	8.5	10.0	1.2	16.3	8.0																
Jun 22	15.1	17.2	14.6	14.0	13.5	10.7	8.4	11.7	15.7	12.4	12.7	15.1	13.1	12.6	10.3	10.2	9.2	6.7	11.4	8.8	9.9	12.0	15.8	10.3	6.7	17.2	12.1																
Jun 23	6.1	17.8	20.1	10.4	12.1	3.6	5.7	7.4	10.8	11.9	16.8	15.9	16.8	18.2	17.1	12.6	14.8	11.1	19.5	21.7	6.6	16.2	13.2	15.2	3.6	21.7	13.4																
Jun 24	14.8	14.8	17.7	19.2	17.6	19.0	18.9	24.4	28.8	27.4	23.7	20.7	22.3	19.7	20.4	14.9	19.6	16.6	13.9	15.8	14.6	11.2	8.8	6.5	6.5	28.8	18.0																
Jun 25	4.9	8.5	10.5	13.8	12.0	8.0	5.3	8.4	10.9	10.9	12.0	12.5	11.4	6.9	7.3	4.8	5.0	1.7	1.4	1.0	0.6	1.6	4.7	6.2	0.6	13.8	7.1																
Jun 26	6.6	12.2	10.7	7.1	8.1	6.0	6.5	7.3	8.2	8.6	9.3	9.8	10.5	10.6	12.0	11.7	10.5	3.4	5.5	4.7	4.9	5.7	7.2	6.4	3.4	12.2	8.1																
Jun 27	8.0	9.1	10.1	9.4	11.6	11.6	10.5	10.3	11.2	4.7	6.3	8.0	6.7	5.4	5.3	10.4	12.8	15.9	13.1	10.0	7.3	6.0	5.6	6.8	4.7	15.9	9.0																
Jun 28	8.1	9.5	8.4	6.2	4.9	7.0	6.4	8.0	5.7	6.4	8.2	6.5	5.9	4.4	7.4	7.1	4.7	5.3	4.5	4.2	3.0	4.7	6.4	8.2	3.0	9.5	6.3																
Jun 29	11.2	10.5	11.8	12.4	8.8	10.1	8.2	11.4	14.2	12.8	12.5	16.7	16.1	15.1	15.1	12.6	11.7	11.9	10.8	9.3	8.4	6.8	7.7	8.0	6.8	16.7	11.4																
Jun 30	5.1	8.0	5.6	3.6	6.7	3.3	2.8	5.9	5.9	6.8	7.5	6.3	9.2	9.7	10.4	7.6	7.0	11.7	13.4	9.6	11.7	13.7	12.1	8.4	2.8	13.7	8.0																
Diurnal Maximum	15.5	20.9	20.1	19.9	19.7	21.4	22.8	29.6	35.9	37.2	35.9	35.4	35.1	35.5	34.3	35.1	32.6	27.9	27.6	29.6	24.2	17.6	16.6	17.2																			
Diurnal Average	9.7	11.2	11.4	10.6	10.4	9.8	10.6	13.0	14.0	13.0	13.6	14.3	14.3	13.9	13.9	12.4	12.7	10.2	9.9	10.0	8.4	8.2	9.3	9.4																			
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.																																											

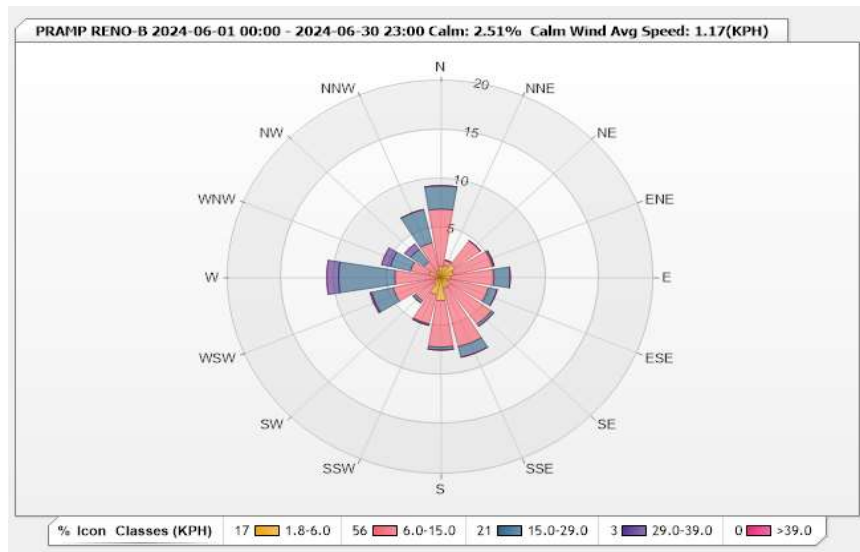


Station: PRAMP RENO-B Monitor: WDS [KPH] Monthly: 06-2024

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

Calm (WS<1.8kph): 2.51% Valid Data: 99.72%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1.11	5.85	2.37	0	0	9.33
NNE	1.25	0.56	0	0	0	1.81
NE	1.67	2.92	0	0	0	4.59
ENE	1.25	3.76	0.14	0	0	5.15
E	0.97	4.04	1.53	0	0	6.54
ESE	0.7	3.9	0.84	0	0	5.44
SE	1.11	4.74	0.28	0	0	6.13
SSE	1.11	6.13	1.11	0	0	8.35
S	2.37	4.74	0.28	0	0	7.39
SSW	1.81	3.06	0.14	0	0	5.01
SW	0.84	2.09	0.28	0	0	3.21
WSW	0.56	4.04	2.09	0.14	0	6.83
W	0.28	4.04	5.29	1.11	0	10.72
WNW	1.11	1.81	1.95	0.84	0	5.71
NW	0.28	1.67	1.53	0.7	0	4.18
NNW	0.7	2.92	3.48	0	0	7.1
Summary	17.12	56.27	21.31	2.79	0	97.49



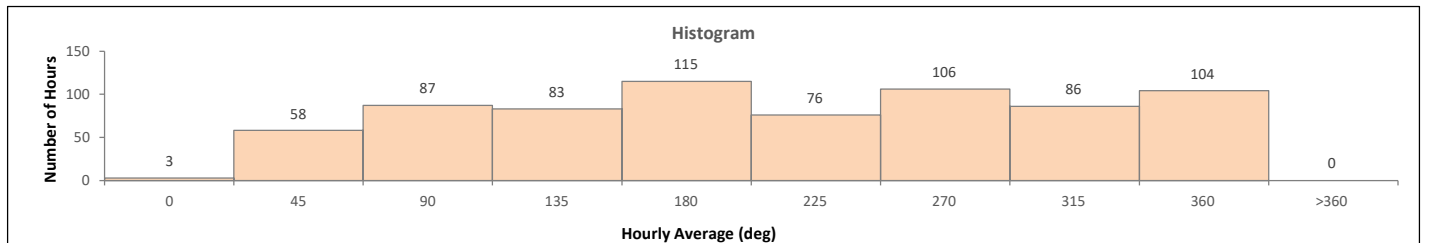
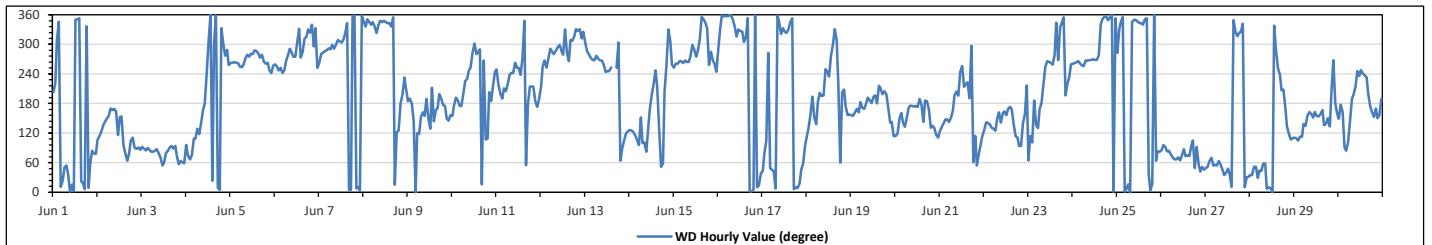
Peace River Area Monitoring Program

Reno-B Station - June 2024

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

Monthly Average:										281 (W) degree										Hours in Service:										720										Hours of Data:										718										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																																																																																													
Jun 1	SSW	SW	NW	NNW	NNE	NNE	NE	NE	NE	N	NNE	N	N	N	N	NNE	NNE	N	NNW	N	ENE	E	ENE	ENE	17	NNE																																																																																													
Jun 2	ESE	ESE	ESE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	SSE	SSE	E	ENE	ENE	E	ESE	ESE	E	E	E	E	119	ESE																																																																																													
Jun 3	E	E	E	E	E	E	E	E	E	E	ENE	NE	ENE	E	E	E	E	E	E	ENE	ENE	ENE	ENE	ENE	81	E																																																																																													
Jun 4	E	ENE	ENE	ENE	ESE	ESE	SE	ESE	SE	SSE	S	WSW	WNW	N	NNE	WNW	N	N	N	NNW	WNW	W	WNW	WSW	12	NNE																																																																																													
Jun 5	W	W	W	W	W	WSW	WSW	WSW	W	W	W	W	W	W	W	WNW	WNW	W	W	W	W	W	WSW	WSW	270	W																																																																																													
Jun 6	WSW	WSW	WSW	WSW	WSW	WSW	W	W	WNW	W	W	W	WNW	NNW	W	WNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	WSW	285	WNW																																																																																												
Jun 7	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	NNW	N	317	NNW																																																																																													
Jun 8	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	ESE	SE	S	SSW	SW	SSW	342	NNW																																																																																													
Jun 9	S	S	S	S	N	ESE	ESE	SSE	SSE	SSE	S	SSE	SE	SSW	SE	SSE	S	SSW	S	S	SSE	SE	SSE	166	SSE																																																																																														
Jun 10	SSE	S	S	S	S	S	S	SSW	SW	SW	WSW	WSW	WNW	WNW	W	WNW	WNW	NNE	W	ESE	ESE	SSW	S	SW	WSW	223	SW																																																																																												
Jun 11	WSW	SW	SSW	S	SSW	SSW	SW	WSW	WSW	WSW	W	WSW	WSW	SW	W	NNW	NE	S	SSW	SSW	SSW	S	S	S	230	SW																																																																																													
Jun 12	SSW	WSW	W	WSW	W	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	NNW	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW	296	WNW																																																																																													
Jun 13	WNW	WNW	W	W	W	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	K	K	WSW	WNW	ENE	E	ESE	ESE	257	WSW																																																																																													
Jun 14	SE	SE	ESE	ESE	ESE	E	SSE	E	E	E	SE	SSE	SSW	SW	WSW	SSW	SE	NE	ENE	SSW	WSW	NNW	NNW	NNW	143	SE																																																																																													
Jun 15	WSW	W	W	W	W	W	W	W	W	W	W	WNW	WNW	W	WNW	NNW	N	N	NNW	NNW	WSW	NNW	W	W	WSW	285	WNW																																																																																												
Jun 16	WNW	NNW	N	N	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	NNE	NE	340	NNW																																																																																													
Jun 17	NE	ENE	ESE	W	NE	NE	NE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NE	ENE	E	352	N																																																																																													
Jun 18	ESE	SE	SSE	SSW	SSE	SE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	ESE	189	S																																																																																													
Jun 19	SSE	SSE	SSE	SSE	SSE	S	S	SSE	S	S	S	S	S	SSW	SSW	S	SW	SSW	SSW	SSW	SSW	S	SE	SE	ESE	175	S																																																																																												
Jun 20	ESE	ESE	SSE	SSE	SE	SE	SSE	S	S	S	S	S	S	S	S	SE	S	S	SSE	SE	SE	SE	ESE	ESE	154	SSE																																																																																													
Jun 21	ESE	SE	SE	SE	SE	SE	SSE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SE	ESE	156	SSE																																																																																													
Jun 22	SE	SE	SE	SE	SE	SE	SE	SSE	SE	SSE	SSE	SSE	SSE	SSE	S	SSE	SE	ESE	ESE	E	E	SE	SSE	SW	145	SE																																																																																													
Jun 23	ENE	ESE	E	S	SE	SE	SSE	S	SW	WSW	W	W	W	WSW	W	NNW	W	NNW	NNW	N	SSW	SW	SW	WSW	257	WSW																																																																																													
Jun 24	W	W	W	W	W	WSW	WSW	W	W	W	W	W	W	W	W	W	NNW	N	N	NNW	N	N	N	N	287	WNW																																																																																													
Jun 25	W	NNW	NNW	N	N	N	NNE	N	NNW	N	N	NNW	NNW	NNW	NNW	N	N	NE	N	N	NNE	N	ENE	E	E	355	N																																																																																												
Jun 26	E	E	E	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	ENE	E	ESE	NE	E	ENE	NE	NE	NE	75	ENE																																																																																													
Jun 27	NE	NE	ENE	ENE	NE	NE	NE	ENE	NE	NE	NE	NE	NE	NE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	25	NNE																																																																																													
Jun 28	NE	NE	NE	NE	NNE	NE	NE	ENE	ENE	N	N	N	NNW	NNW	WSW	WSW	SSW	SSW	S	SE	ESE	ESE	ESE	41	NE																																																																																														
Jun 29	ESE	ESE	ESE	ESE	ESE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SSE	SE	SSW	W	S	SSE	148	SE																																																																																													
Jun 30	SSE	S	SSE	E	E	E	SE	S	SSW	SSW	WSW	SW	WSW	WSW	SW	SW	SSW	S	SSE	SSE	SSE	SSE	SSE	S	184	S																																																																																													
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance																																																																																																
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance																																																																																																
X	Invalid Data (Machine Malfunction/Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure																																																																																																
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 - June 2024

Summary of Hourly Averages

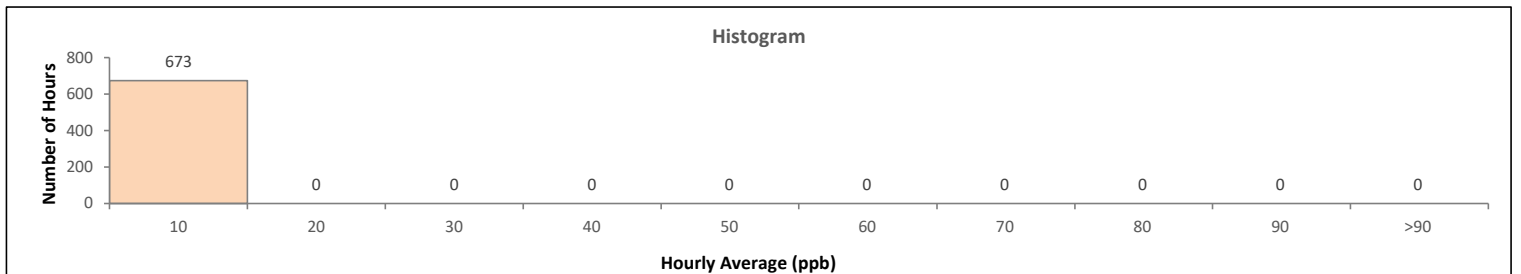
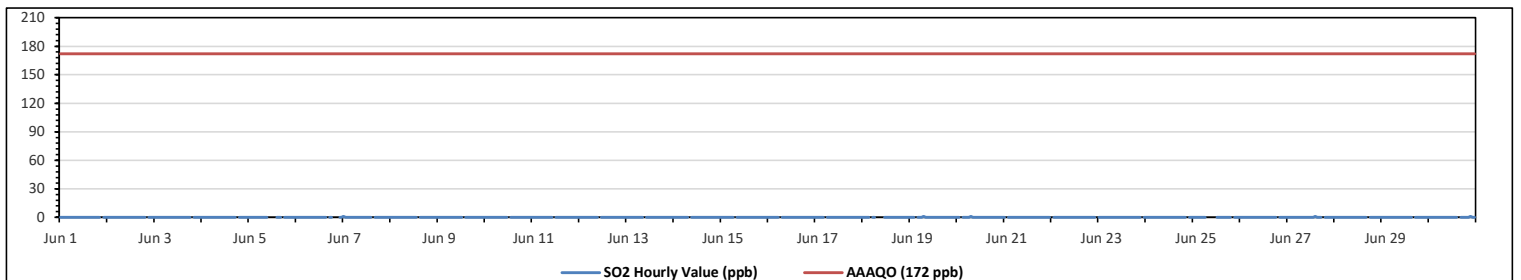
VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED																																							
Maximum Hourly Value:		37.2	kph	on Jun 5 at hr 9										Hours in Service:		720																							
Maximum Daily Value:		25.8	kph	on Jun 5										Hours of Data:		718																							
Minimum Hourly Value:		0.0	kph	on Jun 9 at hr 4										Hours of Missing Data:		2																							
Minimum Daily Value:		4.6	kph	on Jun 18										Hours of Calibration:		0																							
Monthly Average:		2.1	kph											Operational Uptime:		99.7																							
WIND DIRECTION																																							
Monthly Average:		281 degree (W)																																					
Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)												10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Jun 1	4.3	1.5	0.2	1.5	3.3	3.6	5.3	3.3	3.4	5.1	6.7	9.2	11.5	12.4	9.6	8.6	4.9	6.5	5.7	3.4	3.3	4.3	7.0	8.2								0.2	12.4	5.5					
	SSW	SW	NW	NNW	NNE	NNE	NE	NE	NE	N	NNE	N	N	N	N	NNE	NNE	N	NNW	N	ENE	E	ENE	ENE										17(NNE)					
Jun 2	10.5	18.4	14.3	14.2	11.8	12.0	12.6	12.6	12.1	8.6	7.8	5.4	6.8	12.1	11.7	14.6	16.1	13.0	15.2	18.0	10.5	9.8	11.1	9.6								5.4	18.4	12.0					
	ESE	ESE	ESE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	ESE	SSE	SSE	E	ENE	ENE	E	ESE	ESE	E	E	E	E										119(ESE)					
Jun 3	13.6	19.4	18.1	18.4	16.7	16.7	18.1	16.9	16.5	14.8	12.6	11.5	12.8	14.4	15.0	18.0	16.9	11.5	9.1	8.7	9.2	7.4	5.6	3.9								3.9	19.4	13.6					
	E	E	E	E	E	E	E	E	E	E	ENE	NE	ENE	E	E	E	E	E	ENE	ENE	ENE	ENE	ENE	ENE										81(E)					
Jun 4	6.6	6.4	5.9	5.1	9.3	8.7	8.4	11.7	10.6	10.4	8.5	8.3	5.2	10.0	9.6	17.3	16.3	10.5	8.7	12.0	8.8	11.2	4.2	9.1								4.2	17.3	9.3					
	E	ENE	ENE	ENE	ESE	ESE	SE	ESE	SE	SSE	S	WSW	WNW	N	NNE	WNW	N	N	NNW	NNW	W	WNW	WSW	WSW										12(NNE)					
Jun 5	8.1	12.8	18.2	18.0	19.7	18.8	21.0	29.6	35.9	37.2	35.9	35.4	34.4	35.5	34.3	35.1	32.6	27.9	27.6	29.6	24.2	14.3	16.6	17.2								8.1	37.2	25.8					
	W	W	W	W	W	WSW	WSW	WSW	WSW	W	W	W	W	W	WNW	WNW	W	W	W	W	W	W	WSW	WSW	WSW										270(W)				
Jun 6	14.1	16.0	16.9	14.3	13.4	16.1	22.8	26.1	23.0	14.5	17.4	21.3	24.6	19.7	31.8	23.4	31.4	26.3	16.5	13.2	9.3	3.3	3.4	11.4								3.3	31.8	17.9					
	WSW	WSW	WSW	WSW	WSW	WSW	W	W	WNW	W	W	W	WSW	NNW	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	WSW										285(WNW)					
Jun 7	13.8	20.9	19.7	17.4	14.5	7.1	16.0	26.1	29.2	33.7	32.8	32.6	35.1	34.8	33.4	22.0	19.0	12.9	20.8	24.0	15.9	13.8	16.2	16.9								7.1	35.1	22.0					
	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	WNW	NW	NW	NNW	N	N	N	N	NNE	N	N	N										317(NW)					
Jun 8	15.0	16.3	19.5	19.9	19.1	21.4	15.4	16.6	14.0	15.4	21.1	15.2	13.7	16.2	15.0	12.6	8.5	2.9	4.6	3.9	2.0	3.2	4.1	4.7								2.0	21.4	12.5					
	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	ESE	SE	S	SSW	SW	SSW										342(NNW)					
Jun 9	5.8	5.3	4.8	2.3	0.0	0.2	6.8	6.8	7.9	2.8	5.5	5.4	6.0	3.8	1.4	10.1	7.7	7.5	8.6	8.8	6.4	5.3	7.2	8.2								0.0	10.1	5.6					
	S	S	S	SE	N	ESE	ESE	SSE	SSE	SSE	S	SSE	SE	SSW	SE	SSE	S	SSW	S	S	SSE	SE	SSE											166(SSE)					
Jun 10	7.8	8.1	7.4	3.9	3.6	4.5	4.6	4.2	6.5	7.2	5.9	7.6	5.4	12.1	8.1	4.5	4.4	2.2	5.2	10.3	7.5	6.5	16.1	16.8								2.2	16.8	7.1					
	SSE	S	S	S	S	S	SSW	SW	SW	WSW	WSW	WNW	WNW	W	WNW	WNW	NNE	W	ESE	ESE	SSW	S	SW	WSW										223(SW)					
Jun 11	10.2	7.5	8.1	8.6	12.6	12.2	11.7	15.5	13.8	10.4	11.5	14.7	14.9	14.7	20.2	5.4	8.5	3.6	8.7	9.6	8.8	3.8	6.2	8.6								3.6	20.2	10.4					
	WSW	SW	SSW	S	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	W	NNW	NE	S	SSW	SSW	SSW	S	S	S										230(SW)					
Jun 12	7.5	9.0	6.7	10.6	8.9	12.4	16.4	18.1	19.0	18.3	17.3	19.1	20.4	7.5	6.3	11.3	14.8	7.7	14.8	18.8	19.5	17.6	13.1	9.6								6.3	20.4	13.5					
	SSW	WSW	W	WSW	W	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	W	NNW	W	W	NNW	NNW	NNW	NNW	NNW	NNW	NNW										296(WNW)					
Jun 13	9.1	7.8	7.2	8.1	10.6	13.0	12.5	14.0	16.0	15.4	15.4	16.8	17.6	18.0	19.2	K	K	8.4	2.3	3.7	4.7	7.0	12.8	14.3								2.3	19.2	11.5					
	WNW	WNW	W	W	W	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	K	K	WSW	WNW	ENE	E	ESE	ESE										257(WSW)					
Jun 14	14.6	14.4	14.7	15.4	12.4	11.5	4.0	11.0	12.2	8.3	14.1	17.1	17.9	13.8	12.4	8.8	7.3	10.4	8.0	10.7	10.0	9.4	8.1	7.3								4.0	17.9	11.4					
	SE	SE	ESE	ESE	ESE	E	SSE	E	E	E	SE	SSE	SSW	SW	WSW	SSW	SE	NE	ENE	SSW	SSW	NNW	NNW	WSW										143(SE)					
Jun 15	14.2	12.3	13.5	13.8	12.1	12.5	14.5	17.3	18.9	18.1	17.1	17.9	12.1	10.0	12.1	18.7	22.6	18.8	9.5	6.2	10.4	15.0	12.9	8.5								6.2	22.6	14.1					
	WSW	W	W	W	W	W	W	W	W	W	W	WNW	WNW	W	WNW	NW	N	N	NNW	NNW	WSW	NNW	W	W	WSW										285(WNW)				
Jun 16	7.5	10.1	9.8	10.8	12.0	13.7	10.4	11.3	14.7	15.3	18.5	22.2	24.1	25.6	23.8	19.3	23.4	15.9	14.3	8.3	3.3	3.5	4.0	4.5								3.5	25.6	13.8					
	WNW	NNW	N	N	N	N	N	N	NNW	NNW	NW	NNW	NW	NNW	NW	N	N	N	N	N	N	N	NNE	NE										340(NNW)					
Jun 17	4.3	0.9	1.2	1.8	2.8	4.9	8.6	8.9	13.4	18.1	17.4	21.0	22.9	21.4	20.1	16.1	15.4	11.8	9.1	7.9	5.1	6.0	6.3	4.1								0.9	22.9	10.4					
	NE	ENE	ESE	W	NE	NE	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NE	ENE	E										352(N)					
Jun 18	6.5	6.5	7.1	1.5	2.0	2.6	5.2	6.4	6.9	4.2	2.8	4.4	3.7	5.5	5.3	2.8	3.2	2.3	1.6	2.8	6.3	2.9	7.8	9.7								1.5	9.7	4.6					
	ESE	SE	SSE	SSW	SSE	SE	S	SSW	SSW	SSW	WSW	WSW	SW	W	WNW	NNW	NW	SW	ENE	SSW	SSW	S	SSE	SSE										189(S)					
Jun 19	10.5	10.2	12.2	10.0	8.4	4.1	9.3	11.8	10.1	12.1	12.8	11.2	8.9	8.8	7.0	4.4	7.5	7.7	6.3	6.8	4.4	5.5	11.4	9.8								4.1	12.8	8.8					
	SSE	SSE	SSE	SSE	SSE	S	S	SSE	S	S	S	S	S	SSW	SSW	S	SW	SSW	SSW	SSW	SSW	S	SE	SE	ESE									175(S)					
Jun 20	10.2	12.2	13.2	10.7	9.0	8.2	10.5	15.2	14.9	13.8	14.4	14.3	12.3	11.7	8.4	9.6	9.4	8.0	7.1	7.9	8.8	12.4	13.7	14.8								7.1	15.2	11.3					
	ESE	ESE	SSE	SSE	SE	SE	SSE	S	S	S	S	S	S	S	S	SE	S	S	SSE	SE	SE	SE	ESE	ESE										154(SSE)					
Jun 21	15.5	13.5	13.3	16.3	13.0	9.5	11.7	12.1	8.5	4.4	4.1	7.3	7.2	5.7	7.0	4.7	4.4	4.5	1.2	1.5	3.0	5.3	8.5	10.0								1.2	16.3	8.0					
	ESE	SE	SE	SE	SE	SE	SSE	SSE	SSW	SSW	SSW	WSW	WSW	SSW	SW	SW	S	WNW	ENE	ESE	NE	ENE	E	ESE										156(SSE)					
Jun 22	15.1	17.2	14.6	14.0	13.5	10.7	8.4	11.7	15.7	12.4	12.7	15.1	13.1	12.6	10.3	10.2	9.2	6.7	11.4	8.8	9.9	12.0	15.8	10.3								6.7	17.2	12.1					
	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	SSE	SSE	SSE	SSE	S	SSE	SE	ESE	ESE	E	E	SE	SSE	SW										145(SE)					
Jun 23	6.1	17.8	20.1	10.4	12.1	3.6	5.7	7.4	10.8	11.9	16.8	15.9	16.8	18.2	17.1	12.6	14.8	11.1	19.5	21.7	6.6	16.2	13.2	15.2								3.6	21.7	13.4					
	ENE	ESE	E	S	SE	SSE	S	SW	WSW	W	W	WSW	W	NNW	W	NNW	W	NNW	NNW	N	SSW	SW	SW	WSW										257(WSW)					
Jun 24	14.8	14.8	17.7	19.2	17.6	19.0	18.9	24.4	28.8	27.4	23.7	20.7	22.3	19.7	20.4	14.9	19.6	16.6	13.9	15.8	14.6	11.2	8.8	6.5								6.5	28.8	18.0					
	W	W	W	W	W	WSW	WSW	W	W	W	W	W	W	W	W	W	NNW	N	N	NNW	N	N	N	N										287(WNW)					
Jun 25	4.9	8.5	10.5	13.8	12.0	8.0	5.3	8.4	10.9	10.9	12.0	12.5	11.4	6.9	7.3	4.8	5.0	1.7	1.4	1.0	0.6	1.6	4.7	6.2								0.6	13.8	7.1					
	W	NNW	NNW	N	N	NNE	N	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW																								

PRC STATION

Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages
SULPHUR DIOXIDE (SO₂) 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 Jun 7 at hr 0				Hours in Service:				720															
Maximum Daily Value:				0.0	ppb on Jun 7				Hours of Data:				673															
Minimum Hourly Value:				0	ppb on Jun 1 at hr 0				Hours of Missing Data:				8															
Minimum Daily Value:				0.0	ppb on Jun 1				Hours of Calibration:				39															
Monthly Average:				0.0	ppb				Operational Uptime:				98.9															
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
Jun 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		
Jun 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		
Jun 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		
Jun 4	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		
Jun 5	0	0	0	0	0	0	0	0	0	C	C	C	C	0	0	0	S	0	0	0	0	0	0	0	0	0.0		
Jun 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	P	P	P	0	0	0	0	0.0		
Jun 7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	1	0.0		
Jun 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		
Jun 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		
Jun 10	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		
Jun 11	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		
Jun 12	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		
Jun 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		
Jun 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		
Jun 15	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		
Jun 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		
Jun 17	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		
Jun 18	0	0	0	S	0	0	Q	Q	Q	Q	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0		
Jun 19	0	0	0	S	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0		
Jun 20	0	0	S	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0		
Jun 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		
Jun 22	S	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		
Jun 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		
Jun 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		
Jun 25	0	0	0	0	0	0	P	P	P	P	P	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0		
Jun 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		
Jun 27	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	S	0	0	0	0	0	0	0	1	0.0		
Jun 28	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		
Jun 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		
Jun 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0	0	0	0.0		
Diurnal Maximum	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0				
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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.																												

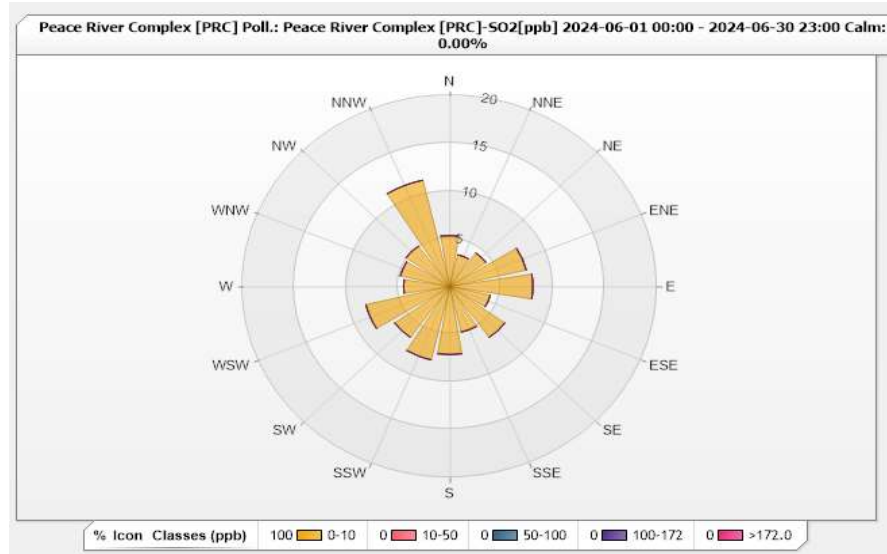


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-SO2[ppb] Monthly: 06-2024

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

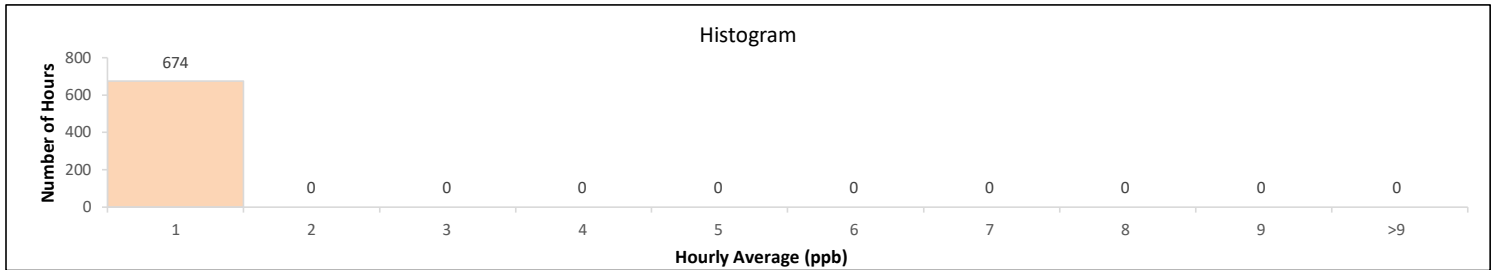
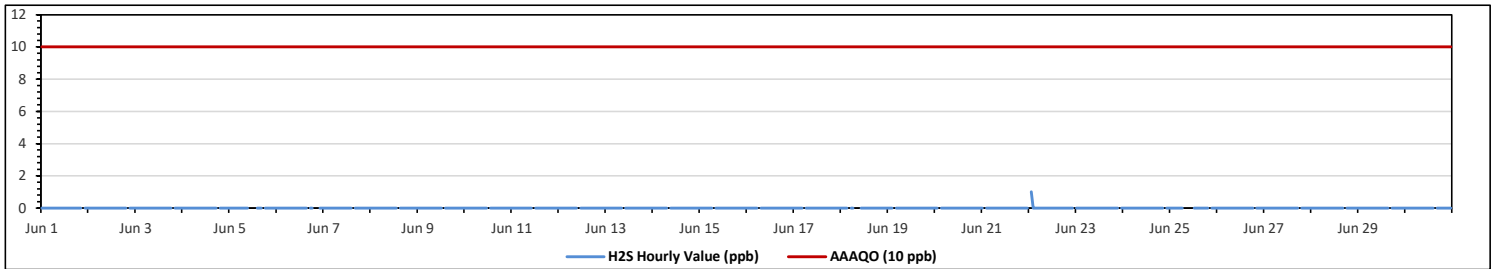
Calm: 0.00% Valid Data: 93.47% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	5.35	0	0	0	0	5.35
NNE	3.42	0	0	0	0	3.42
NE	4.31	0	0	0	0	4.31
ENE	7.58	0	0	0	0	7.58
E	8.02	0	0	0	0	8.02
ESE	4.01	0	0	0	0	4.01
SE	6.54	0	0	0	0	6.54
SSE	4.9	0	0	0	0	4.9
S	7.13	0	0	0	0	7.13
SSW	7.88	0	0	0	0	7.88
SW	6.54	0	0	0	0	6.54
WSW	8.32	0	0	0	0	8.32
W	4.46	0	0	0	0	4.46
WNW	4.9	0	0	0	0	4.9
NW	5.2	0	0	0	0	5.2
NNW	11.44	0	0	0	0	11.44
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages
HYDROGEN SULPHIDE (H₂S) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 10 ppb, 24-Hour 3 ppb																											
Number of 1-Hour Exceedances:														Number of 24-Hour Exceedances:													
Maximum Hourly Value:														Maximum Hourly Value:													
Maximum Daily Value:														Maximum Daily Value:													
Minimum Hourly Value:														Minimum Hourly Value:													
Minimum Daily Value:														Minimum Daily Value:													
Monthly Average:														Monthly Average:													
Hours in Service:														Hours in Service:													
Hours of Data:														Hours of Data:													
Hours of Missing Data:														Hours of Missing Data:													
Hours of Calibration:														Hours of Calibration:													
Operational Uptime:														Operational Uptime:													
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 5	0	0	0	0	0	0	0	0	0	0	C	C	C	C	0	0	0	S	0	0	0	0	0	0	0	0.0	
Jun 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	S	0	0	P	P	P	0	0	0	0.0	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 18	0	0	0	0	S	0	0	Q	Q	Q	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
Jun 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	
Jun 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	
Jun 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	
Jun 22	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0.0	
Jun 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	
Jun 24	0	0	0	0	0	0	0	P	P	P	P	P	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0	
Jun 25	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	
Jun 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	
Jun 27	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	
Jun 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	
Jun 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	
Jun 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	
Diurnal Maximum	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	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				
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure				
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.																											

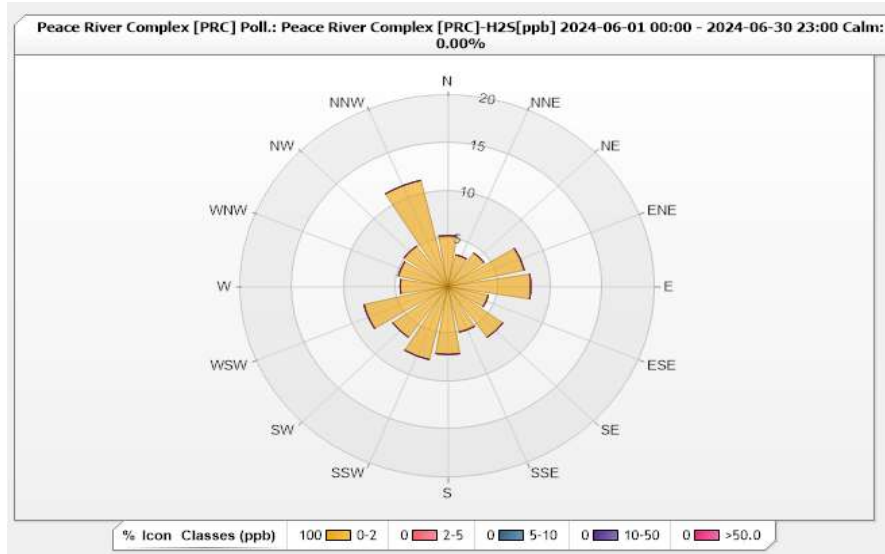


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-H2S[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 93.61% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	5.34	0	0	0	0	5.34
NNE	3.41	0	0	0	0	3.41
NE	4.3	0	0	0	0	4.3
ENE	7.57	0	0	0	0	7.57
E	8.01	0	0	0	0	8.01
ESE	4.01	0	0	0	0	4.01
SE	6.53	0	0	0	0	6.53
SSE	4.9	0	0	0	0	4.9
S	7.12	0	0	0	0	7.12
SSW	7.86	0	0	0	0	7.86
SW	6.53	0	0	0	0	6.53
WSW	8.31	0	0	0	0	8.31
W	4.6	0	0	0	0	4.6
WNW	4.9	0	0	0	0	4.9
NW	5.19	0	0	0	0	5.19
NNW	11.42	0	0	0	0	11.42
Summary	100	0	0	0	0	100



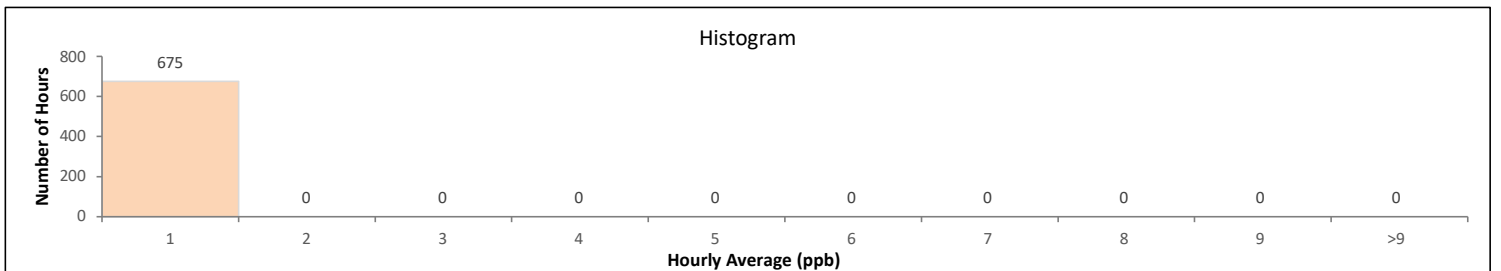
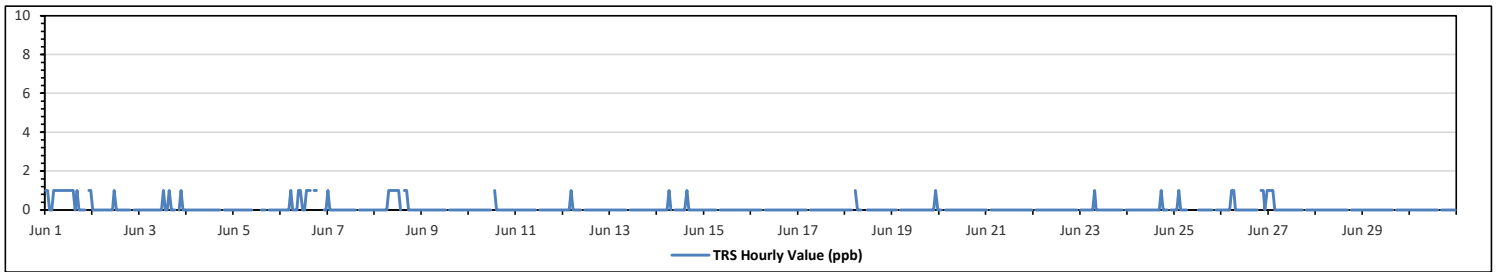
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages
TOTAL REDUCED SULPHUR (TRS) in ppb

Maximum Hourly Value:	1	ppb	on Jun 1 at hr 0	Hours in Service:	720
Maximum Daily Value:	0.7	ppb	on Jun 1	Hours of Data:	675
Minimum Hourly Value:	0	ppb	on Jun 1 at hr 2	Hours of Missing Data:	8
Minimum Daily Value:	0.0	ppb	on Jun 4	Hours of Calibration:	37
Monthly Average:	0.1	ppb		Operational Uptime:	98.9

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average
Jun 1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	1	1	0	1	0.7
Jun 2	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	0.0
Jun 3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0.1
Jun 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
Jun 5	0	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	0.0
Jun 6	0	0	0	0	0	1	0	0	0	0	1	1	0	0	1	1	S	1	1	1	P	P	P	0	0	1	0.4
Jun 7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	1	0.0
Jun 8	0	0	0	0	0	0	0	1	1	1	1	1	1	0	S	S	1	1	0	0	0	0	0	0	0	1	0.3
Jun 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
Jun 10	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jun 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
Jun 12	0	0	0	0	1	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jun 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
Jun 14	0	0	0	0	0	0	1	0	S	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0.1
Jun 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
Jun 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
Jun 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
Jun 18	0	0	0	0	S	1	0	0	0	0	Q	Q	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jun 19	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	1	0.0
Jun 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
Jun 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
Jun 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
Jun 23	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.0
Jun 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	S	0	0	0	1	0.0
Jun 25	0	0	1	0	0	0	0	P	P	P	P	P	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0.1
Jun 26	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	S	1	1	0	1	0	1	0.2
Jun 27	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	S	0	0	0	0	0	0	1	0.1
Jun 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
Jun 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
Jun 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
Diurnal Maximum	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1			
Diurnal Average	0.1	0.1	0.1	0.0	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	0.0	0.0	0.0	0.1	0.1	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
X	Invalid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)	P	Power Failure

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.

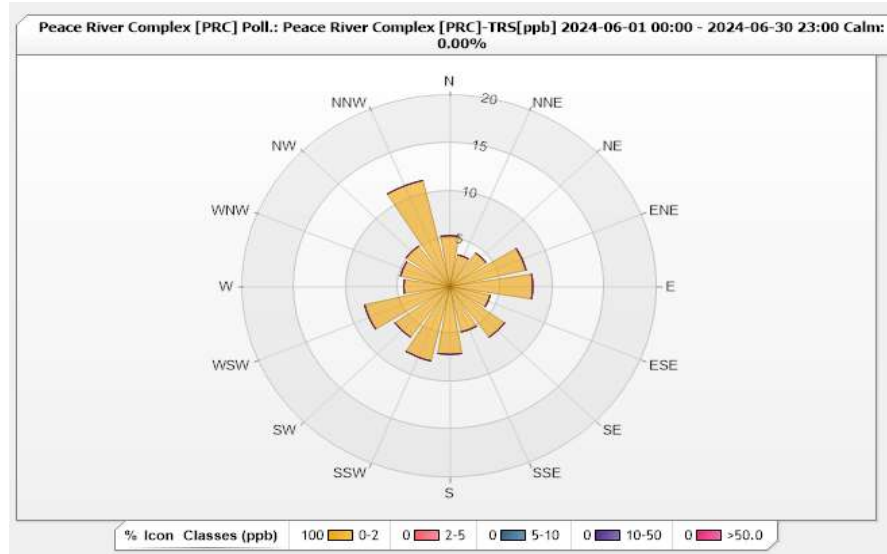


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-TRS[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 93.75% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	5.33	0	0	0	0	5.33
NNE	3.41	0	0	0	0	3.41
NE	4.3	0	0	0	0	4.3
ENE	7.56	0	0	0	0	7.56
E	8	0	0	0	0	8
ESE	4	0	0	0	0	4
SE	6.52	0	0	0	0	6.52
SSE	4.89	0	0	0	0	4.89
S	7.11	0	0	0	0	7.11
SSW	8	0	0	0	0	8
SW	6.52	0	0	0	0	6.52
WSW	8.44	0	0	0	0	8.44
W	4.44	0	0	0	0	4.44
WNW	4.89	0	0	0	0	4.89
NW	5.19	0	0	0	0	5.19
NNW	11.41	0	0	0	0	11.41
Summary	100	0	0	0	0	100



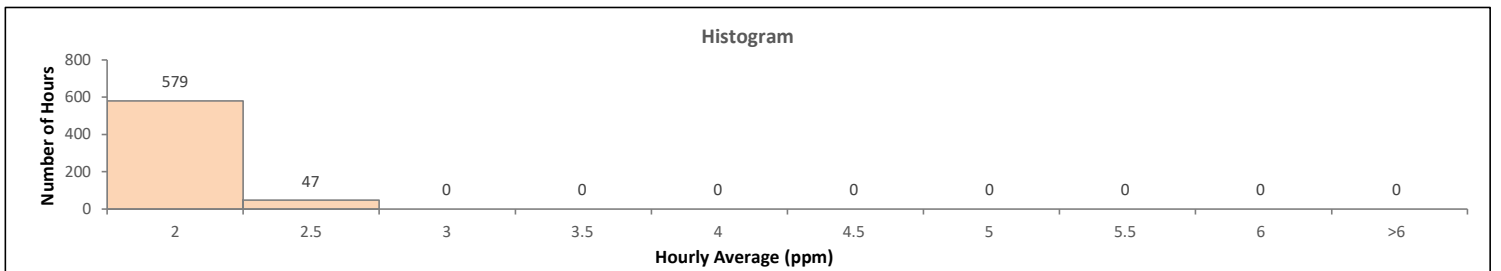
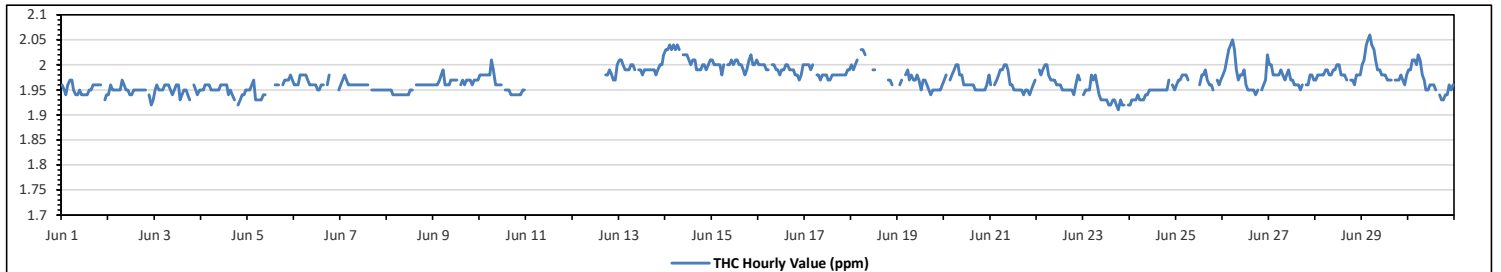
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages
TOTAL HYDROCARBONS (THC) in ppm

Maximum Hourly Value:	2.06	ppm	on Jun 29 at hr 4	Hours in Service:	720
Maximum Daily Value:	2.01	ppm	on Jun 14	Hours of Data:	626
Minimum Hourly Value:	1.91	ppm	on Jun 23 at hr 18	Hours of Missing Data:	58
Minimum Daily Value:	1.94	ppm	on Jun 23	Hours of Calibration:	36
Monthly Average:	1.97	ppm		Operational Uptime:	91.9

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				
Jun 1	1.96	1.95	1.94	1.96	1.97	1.97	1.95	1.94	1.94	1.95	1.94	1.94	1.94	1.94	1.95	1.95	1.96	1.96	1.96	1.96	1.96	S	1.93	1.94	1.93	1.97	1.95	
Jun 2	1.94	1.96	1.95	1.95	1.95	1.95	1.95	1.97	1.96	1.95	1.95	1.95	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.95	S	1.94	1.92	1.93	1.92	1.97	1.95	
Jun 3	1.95	1.96	1.95	1.95	1.95	1.96	1.96	1.96	1.95	1.94	1.95	1.96	1.96	1.93	1.94	1.95	1.95	1.94	1.93	S	1.96	1.95	1.94	1.95	1.93	1.96	1.95	
Jun 4	1.95	1.95	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.94	1.95	1.94	1.93	S	1.92	1.93	1.94	1.94	1.95	1.92	1.96	1.95	
Jun 5	1.95	1.95	1.96	1.97	1.93	1.93	1.93	1.93	1.93	1.94	1.94	C	C	C	C	1.96	1.96	1.96	S	1.96	1.97	1.97	1.97	1.98	1.97	1.93	1.98	1.95
Jun 6	1.96	1.96	1.96	1.98	1.98	1.98	1.98	1.97	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.96	1.96	S	1.96	1.98	P	P	P	X	1.95	1.95	1.98	1.96
Jun 7	1.96	1.97	1.98	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	S	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.98	1.96
Jun 8	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	S	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.94	1.96	1.95
Jun 9	1.96	1.96	1.96	1.97	1.98	1.99	1.96	1.96	1.96	1.96	1.97	1.97	1.97	S	1.96	1.97	1.96	1.97	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.96	1.99	1.97
Jun 10	1.98	1.98	1.98	1.98	1.98	1.98	2.01	1.99	1.96	1.96	1.96	1.96	1.96	S	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.94	2.01	1.96
Jun 11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
Jun 12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	1.98	1.98	1.99	1.98	1.97	1.97	2.00	1.97	2.00	NA
Jun 13	2.01	2.01	2.00	1.99	1.99	1.99	2.00	2.00	1.99	S	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.99	2.00	2.00	2.02	1.98	2.02	1.99	
Jun 14	2.03	2.03	2.04	2.03	2.04	2.03	2.04	2.03	S	2.02	2.02	2.02	2.01	2.00	2.01	2.01	1.99	1.99	1.99	1.99	2.00	2.00	1.99	2.00	2.01	1.99	2.04	2.01
Jun 15	2.01	2.00	2.00	2.00	2.00	1.98	2.00	S	2.00	2.00	2.01	2.00	2.01	2.01	2.00	2.00	1.99	1.98	1.99	2.01	2.02	2.00	2.00	2.01	1.98	2.02	2.00	
Jun 16	2.00	2.00	2.00	2.00	2.00	1.99	1.99	S	2.00	2.00	1.99	1.99	1.98	1.99	1.99	2.00	2.00	1.99	1.99	1.98	1.98	1.97	1.98	2.00	1.97	2.00	1.99	
Jun 17	2.00	2.00	2.00	1.99	2.00	S	1.98	1.98	1.97	1.98	1.98	1.98	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.97	2.00	1.98	
Jun 18	2.00	1.99	2.00	2.01	S	2.03	2.03	2.02	Q	Q	Q	1.99	1.99	X	NRM	NRM	NRM	NRM	NRM	1.97	1.97	1.96	X	1.96	1.96	2.03	NA	
Jun 19	X	1.96	1.97	S	1.98	1.99	1.97	1.98	1.97	1.97	1.98	1.97	1.95	1.97	1.97	1.96	1.95	1.94	1.95	1.95	1.95	1.95	1.95	1.96	1.94	1.99	1.96	
Jun 20	1.97	1.98	S	1.97	1.98	1.99	2.00	2.00	1.98	1.98	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.98	1.95	2.00	1.97	
Jun 21	1.96	S	1.96	1.97	1.98	1.99	1.99	2.00	2.00	1.99	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.94	1.95	1.95	1.94	1.95	1.96	1.97	1.94	2.00	1.96	
Jun 22	S	1.99	1.98	1.99	2.00	2.00	1.98	1.97	1.97	1.97	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.96	1.98	1.97	S	1.94	2.00	1.97	
Jun 23	1.94	1.95	1.95	1.95	1.98	1.97	1.98	1.96	1.94	1.93	1.93	1.93	1.92	1.92	1.93	1.92	1.91	1.93	1.92	1.92	S	1.92	1.91	1.98	1.94	1.94		
Jun 24	1.92	1.93	1.93	1.93	1.94	1.93	1.93	1.93	1.93	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.97	S	1.96	1.95	1.92	1.97	1.94	
Jun 25	1.96	1.97	1.97	1.98	1.98	1.98	1.97	P	P	P	P	P	1.96	1.98	1.98	1.99	1.97	1.96	1.96	1.95	S	1.97	1.96	1.97	1.95	1.99	1.97	
Jun 26	1.98	1.99	2.01	2.03	2.04	2.05	2.03	1.99	1.97	1.98	1.98	1.99	1.96	1.95	1.95	1.95	1.95	1.94	1.95	S	1.95	1.96	1.97	2.02	1.94	2.05	1.98	
Jun 27	2.00	2.00	1.98	1.98	1.98	1.98	1.99	1.98	1.97	1.98	1.99	1.97	1.97	1.96	1.96	1.96	1.95	1.96	S	1.96	1.96	1.98	1.98	1.97	1.95	2.00	1.97	
Jun 28	1.97	1.98	1.98	1.98	1.98	1.99	1.99	1.98	1.98	1.99	1.99	2.00	2.00	1.98	1.98	1.98	1.97	S	1.97	1.97	1.96	1.98	1.98	1.98	1.96	2.00	1.98	
Jun 29	2.00	2.01	2.04	2.05	2.06	2.04	2.03	2.01	1.99	1.99	1.98	1.98	1.98	1.97	1.97	1.97	S	1.97	1.97	1.97	1.98	1.97	1.96	1.98	1.96	2.06	1.99	
Jun 30	1.99	1.99	2.01	2.01	2.00	2.02	2.01	1.98	1.97	1.95	1.95	1.96	1.96	1.96	1.95	S	1.94	1.93	1.93	1.94	1.94	1.96	1.95	1.96	1.93	2.02	1.97	
Diurnal Maximum	2.03	2.03	2.04	2.05	2.06	2.05	2.04	2.03	2.00	2.02	2.02	2.02	2.01	2.01	2.01	2.01	1.99	1.99	1.99	2.01	2.02	2.00	2.00	2.02				
Diurnal Average	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.96	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.97				

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

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.

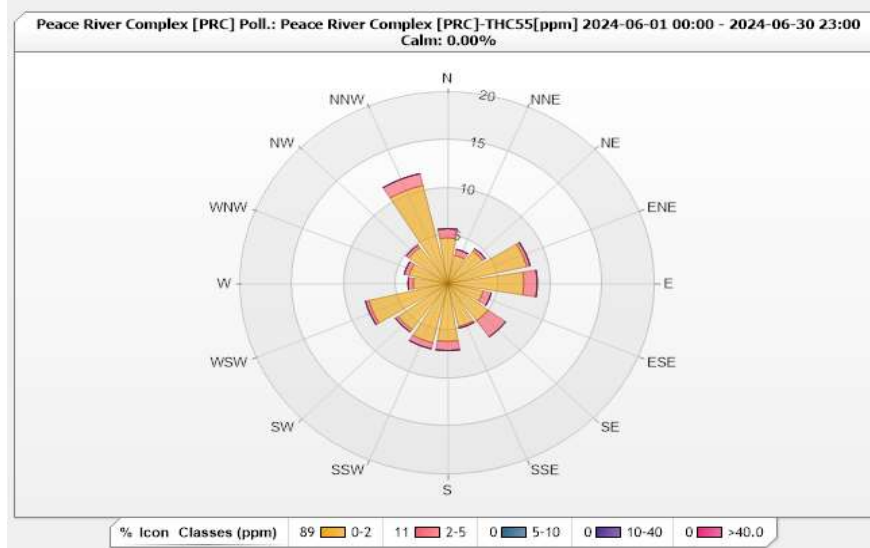


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-THC55[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 86.94% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	4.79	0.96	0	0	0	5.75
NNE	3.04	0.64	0	0	0	3.68
NE	4.15	0.32	0	0	0	4.47
ENE	7.83	0.32	0	0	0	8.15
E	7.35	1.28	0	0	0	8.63
ESE	3.51	0.8	0	0	0	4.31
SE	4.79	2.08	0	0	0	6.87
SSE	4.63	0.16	0	0	0	4.79
S	6.07	0.96	0	0	0	7.03
SSW	6.39	0.64	0	0	0	7.03
SW	5.91	0.32	0	0	0	6.23
WSW	7.83	0.32	0	0	0	8.15
W	3.35	0.48	0	0	0	3.83
WNW	3.83	0.48	0	0	0	4.31
NW	4.63	0.32	0	0	0	4.95
NNW	10.54	1.28	0	0	0	11.82
Summary	88.64	11.36	0	0	0	100



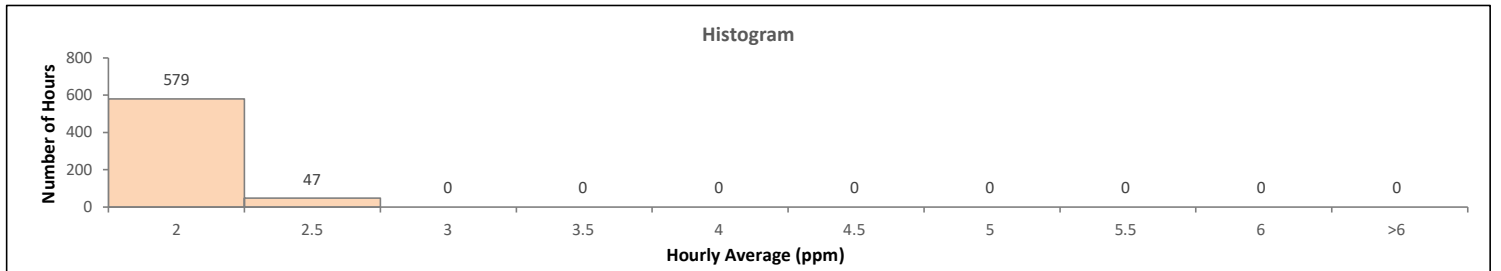
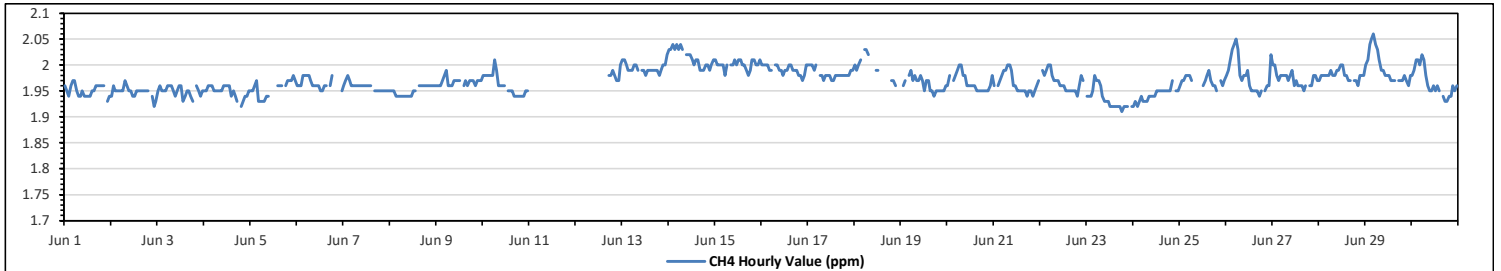
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages
METHANE (CH4) in ppm

Maximum Hourly Value:	2.06	ppm	on Jun 29 at hr 4	Hours in Service:	720
Maximum Daily Value:	2.01	ppm	on Jun 14	Hours of Data:	626
Minimum Hourly Value:	1.91	ppm	on Jun 23 at hr 18	Hours of Missing Data:	58
Minimum Daily Value:	1.93	ppm	on Jun 23	Hours of Calibration:	36
Monthly Average:	1.97	ppm		Operational Uptime:	91.9

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				
Jun 1	1.96	1.95	1.94	1.96	1.97	1.97	1.95	1.94	1.94	1.95	1.94	1.94	1.94	1.94	1.95	1.95	1.96	1.96	1.96	1.96	1.96	S	1.93	1.94	1.93	1.97	1.95	
Jun 2	1.94	1.96	1.95	1.95	1.95	1.95	1.95	1.97	1.96	1.95	1.95	1.95	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.95	S	1.94	1.92	1.93	1.92	1.97	1.95	
Jun 3	1.95	1.96	1.95	1.95	1.95	1.96	1.96	1.96	1.95	1.94	1.95	1.96	1.96	1.93	1.94	1.95	1.95	1.94	1.93	S	1.96	1.95	1.94	1.95	1.93	1.96	1.95	
Jun 4	1.95	1.95	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.94	1.95	1.94	1.93	S	1.92	1.93	1.94	1.94	1.95	1.92	1.96	1.95	
Jun 5	1.95	1.95	1.96	1.97	1.93	1.93	1.93	1.93	1.93	1.94	1.94	C	C	C	C	1.96	1.96	1.96	S	1.96	1.97	1.97	1.97	1.98	1.97	1.93	1.98	1.95
Jun 6	1.96	1.96	1.96	1.98	1.98	1.98	1.98	1.97	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.96	1.96	S	1.96	1.98	P	P	P	X	1.95	1.95	1.98	1.96
Jun 7	1.96	1.97	1.98	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	S	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.98	1.96
Jun 8	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	S	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.94	1.96	1.95
Jun 9	1.96	1.96	1.96	1.97	1.98	1.99	1.96	1.96	1.96	1.96	1.97	1.97	1.97	S	1.96	1.97	1.96	1.97	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.96	1.99	1.97
Jun 10	1.98	1.98	1.98	1.98	1.98	1.98	2.01	1.99	1.96	1.96	1.96	1.96	1.96	S	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.94	2.01	1.96
Jun 11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
Jun 12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	1.98	1.98	1.99	1.98	1.97	1.97	2.00	1.97	2.00	NA
Jun 13	2.01	2.01	2.00	1.99	1.99	1.99	2.00	2.00	1.99	S	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.99	2.00	2.00	2.02	1.98	2.02	1.99	
Jun 14	2.03	2.03	2.04	2.03	2.04	2.03	2.04	2.03	S	2.02	2.02	2.02	2.01	2.00	2.01	2.01	1.99	1.99	1.99	1.99	2.00	2.00	1.99	2.00	2.01	1.99	2.04	2.01
Jun 15	2.01	2.00	2.00	2.00	2.00	1.98	2.00	S	2.00	2.00	2.01	2.00	2.01	2.01	2.00	2.00	1.99	1.98	1.99	2.01	2.01	2.00	2.00	2.01	1.98	2.01	2.00	
Jun 16	2.00	2.00	2.00	2.00	2.00	1.99	1.99	S	2.00	2.00	1.99	1.99	1.98	1.99	1.99	2.00	2.00	1.99	1.99	1.98	1.98	1.97	1.98	2.00	1.97	2.00	1.99	
Jun 17	2.00	2.00	2.00	1.99	2.00	S	1.98	1.98	1.97	1.98	1.98	1.98	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.97	2.00	1.98	
Jun 18	2.00	1.99	2.00	2.01	S	2.03	2.03	2.02	Q	Q	Q	1.99	1.99	X	NRM	NRM	NRM	NRM	NRM	1.97	1.97	1.96	X	1.96	1.96	2.03	NA	
Jun 19	X	1.96	1.97	S	1.98	1.99	1.97	1.98	1.97	1.97	1.98	1.97	1.95	1.97	1.97	1.95	1.95	1.94	1.95	1.95	1.95	1.95	1.95	1.96	1.94	1.99	1.96	
Jun 20	1.96	1.98	S	1.97	1.98	1.99	2.00	2.00	1.98	1.98	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.98	1.95	2.00	1.97	
Jun 21	1.96	S	1.96	1.97	1.98	1.99	1.99	2.00	2.00	1.99	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.94	1.95	1.95	1.94	1.95	1.96	1.97	1.94	2.00	1.96	
Jun 22	S	1.99	1.98	1.99	2.00	2.00	1.98	1.97	1.97	1.97	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.96	1.98	1.97	S	1.94	2.00	1.97	
Jun 23	1.94	1.94	1.94	1.95	1.98	1.97	1.97	1.97	1.96	1.94	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.91	1.92	1.92	1.92	S	1.92	1.91	1.98	1.93	
Jun 24	1.92	1.93	1.92	1.93	1.94	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.97	S	1.95	1.95	1.92	1.97	1.94
Jun 25	1.96	1.97	1.97	1.98	1.98	1.98	1.97	P	P	P	P	P	1.96	1.97	1.98	1.99	1.97	1.96	1.96	1.95	S	1.97	1.96	1.97	1.95	1.99	1.97	
Jun 26	1.98	1.99	2.01	2.03	2.04	2.05	2.03	1.98	1.97	1.98	1.98	1.99	1.96	1.95	1.95	1.95	1.95	1.94	1.95	S	1.95	1.96	1.96	2.02	1.94	2.05	1.98	
Jun 27	2.00	2.00	1.98	1.97	1.98	1.98	1.98	1.98	1.97	1.98	1.99	1.96	1.97	1.96	1.96	1.95	1.96	S	1.96	1.96	1.96	1.98	1.98	1.97	1.95	2.00	1.97	
Jun 28	1.97	1.98	1.98	1.98	1.98	1.98	1.99	1.98	1.98	1.99	1.99	2.00	2.00	1.98	1.98	1.97	1.97	S	1.97	1.97	1.96	1.98	1.98	1.98	1.96	2.00	1.98	
Jun 29	2.00	2.01	2.04	2.05	2.06	2.04	2.03	2.01	1.99	1.99	1.98	1.98	1.98	1.97	1.97	1.97	S	1.97	1.97	1.97	1.98	1.97	1.96	1.98	1.96	2.06	1.99	
Jun 30	1.98	1.99	2.01	2.01	2.00	2.02	2.01	1.98	1.96	1.95	1.95	1.96	1.95	1.96	1.95	S	1.94	1.93	1.93	1.94	1.94	1.96	1.95	1.96	1.93	2.02	1.97	
Diurnal Maximum	2.03	2.03	2.04	2.05	2.06	2.05	2.04	2.03	2.00	2.02	2.02	2.02	2.01	2.01	2.01	2.01	1.99	1.99	1.99	2.01	2.01	2.00	2.00	2.02				
Diurnal Average	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.97				

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.

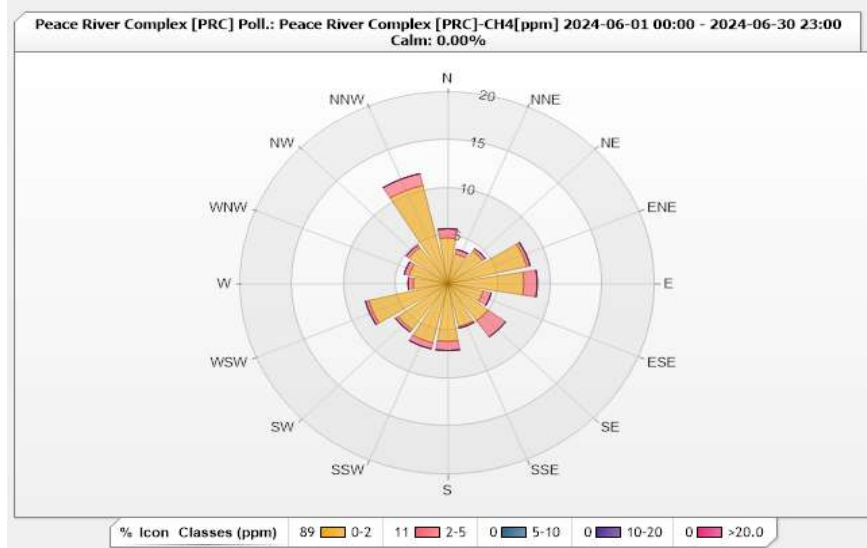


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-CH4[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 86.94% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	4.79	0.96	0	0	0	5.75
NNE	3.19	0.48	0	0	0	3.67
NE	4.15	0.32	0	0	0	4.47
ENE	7.83	0.32	0	0	0	8.15
E	7.35	1.28	0	0	0	8.63
ESE	3.51	0.8	0	0	0	4.31
SE	4.79	2.08	0	0	0	6.87
SSE	4.63	0.16	0	0	0	4.79
S	6.07	0.96	0	0	0	7.03
SSW	6.39	0.64	0	0	0	7.03
SW	5.91	0.32	0	0	0	6.23
WSW	7.83	0.32	0	0	0	8.15
W	3.35	0.48	0	0	0	3.83
WNW	3.83	0.48	0	0	0	4.31
NW	4.63	0.32	0	0	0	4.95
NNW	10.54	1.28	0	0	0	11.82
Summary	88.79	11.2	0	0	0	100



Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages
NON-METHANE HYDROCARBONS (NMHC) in ppm

Maximum Hourly Value:	0.01	ppm	on Jun 23 at hr 6	Hours in Service:	720
Maximum Daily Value:	0.00	ppm	on Jun 23	Hours of Data:	626
Minimum Hourly Value:	0.00	ppm	on Jun 1 at hr 0	Hours of Missing Data:	58
Minimum Daily Value:	0.00	ppm	on Jun 1	Hours of Calibration:	36
Monthly Average:	0.00	ppm		Operational Uptime:	91.9

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
Jun 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
Jun 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	
Jun 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	
Jun 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	
Jun 5	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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Jun 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	P	P	P	X	0.00	0.00	0.00	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	0.00	0.00	NA
Jun 12	X	X	X	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 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	
Jun 18	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	Q	Q	Q	0.00	0.00	X	NRM	NRM	NRM	NRM	NRM	0.00	0.00	0.00	X	0.00	0.00	NA	
Jun 19	X	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	
Jun 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	
Jun 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	
Jun 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	S	0.00	0.00	0.00	
Jun 23	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	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	S	0.00	0.00	0.01	
Jun 24	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.01	
Jun 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	P	P	P	P	P	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	
Jun 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	0.01	0.00	0.01	
Jun 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	
Jun 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	
Jun 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Jun 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	
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01			
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

X

InValid Data (Equipment Malfunction /Recovery)

NRM

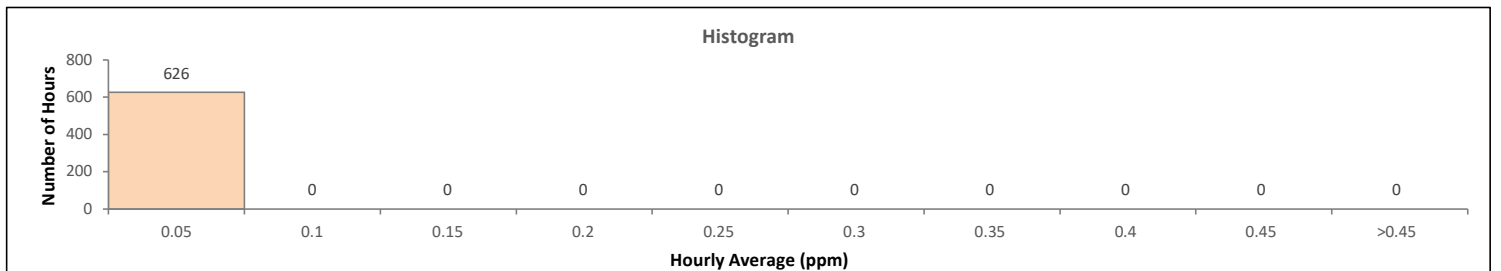
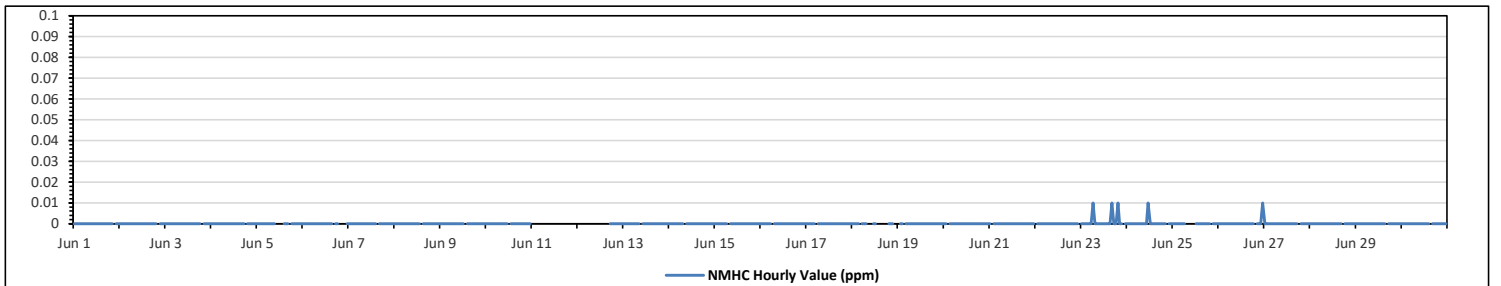
UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)

P

Power Failure

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.

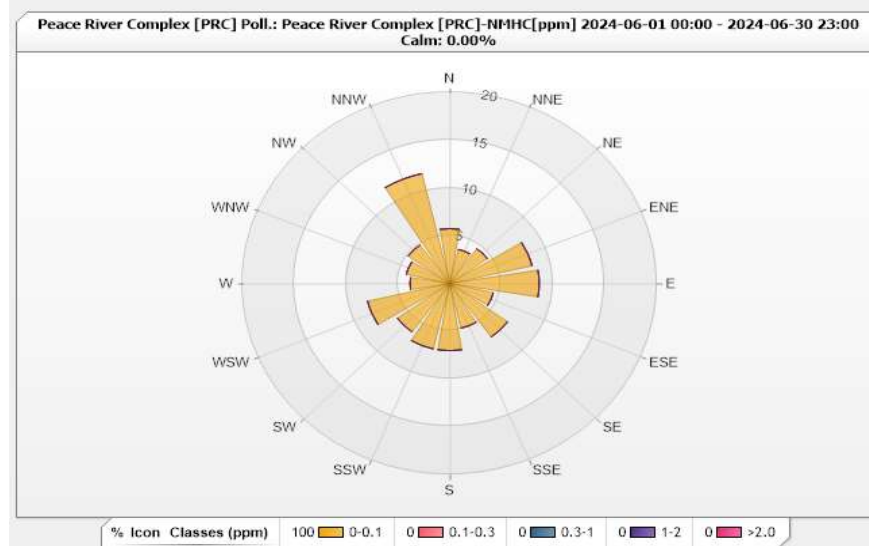


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-NMHC[ppm] Monthly: 06-2024

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

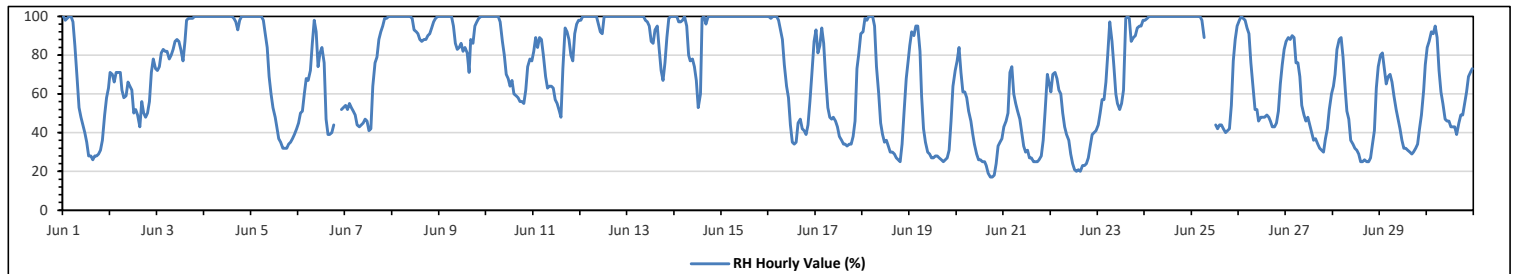
Calm: 0.00% Valid Data: 86.94% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	5.75	0	0	0	0	5.75
NNE	3.67	0	0	0	0	3.67
NE	4.47	0	0	0	0	4.47
ENE	8.15	0	0	0	0	8.15
E	8.63	0	0	0	0	8.63
ESE	4.31	0	0	0	0	4.31
SE	6.87	0	0	0	0	6.87
SSE	4.79	0	0	0	0	4.79
S	7.03	0	0	0	0	7.03
SSW	7.03	0	0	0	0	7.03
SW	6.23	0	0	0	0	6.23
WSW	8.15	0	0	0	0	8.15
W	3.83	0	0	0	0	3.83
WNW	4.31	0	0	0	0	4.31
NW	4.95	0	0	0	0	4.95
NNW	11.82	0	0	0	0	11.82
Summary	100	0	0	0	0	100



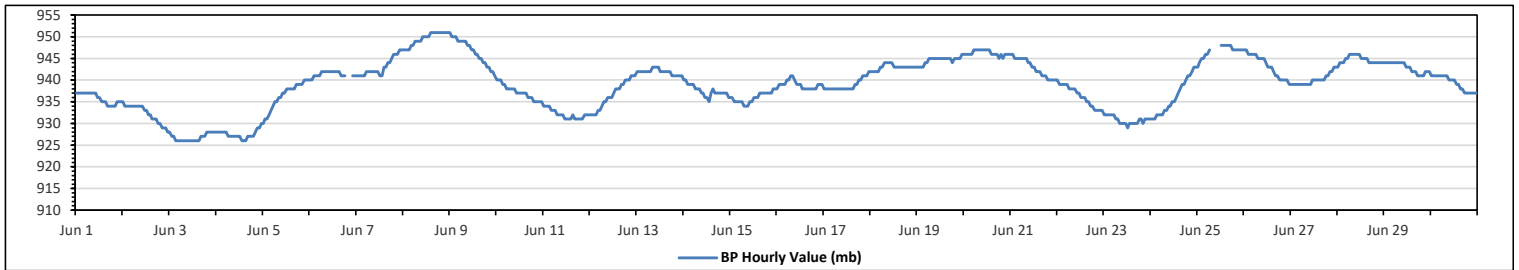
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Jun 1 at hr 0	Hours in Service:	720																							
Maximum Daily Value:	100.0	%	on Jun 15	Hours of Data:	712																							
Minimum Hourly Value:	17	%	on Jun 20 at hr 17	Hours of Missing Data:	8																							
Minimum Daily Value:	39.0	%	on Jun 20	Hours of Calibration:	0																							
Monthly Average:	70.2	%		Operational Uptime:	98.9																							
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
Jun 1	100	98	99	100	100	97	85	68	53	48	44	40	35	28	28	26	28	28	29	31	36	49	58	63	26	100	57.1	
Jun 2	71	70	66	71	71	71	62	58	59	66	64	62	50	52	49	43	56	50	48	50	56	71	78	73	43	78	61.1	
Jun 3	72	74	81	83	82	82	78	80	83	87	88	87	83	77	87	98	99	99	99	100	100	100	100	100	72	100	88.3	
Jun 4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99	97	93	98	100	100	100	100	100	93	100	99.5	
Jun 5	100	100	100	100	100	100	98	92	84	69	60	53	48	43	37	35	32	32	32	34	35	37	39	42	32	100	62.6	
Jun 6	45	50	51	60	68	67	72	86	98	92	74	81	84	76	47	39	39	40	44	P	P	P	52	53	39	98	62.8	
Jun 7	54	52	55	53	51	49	44	43	44	45	47	46	41	42	64	76	79	88	92	95	99	99	100	100	41	100	64.9	
Jun 8	100	100	100	100	100	100	100	100	100	100	99	93	92	91	88	87	88	88	90	91	94	97	99	100	87	100	95.7	
Jun 9	100	100	100	100	100	100	100	100	95	86	83	84	86	82	84	81	71	88	86	95	97	99	100	100	71	100	92.4	
Jun 10	100	100	100	100	100	100	100	97	87	80	70	68	64	67	60	59	58	56	56	55	62	74	78	77	55	100	77.8	
Jun 11	82	89	84	89	88	80	69	63	64	64	63	57	55	51	48	73	94	92	88	80	77	91	96	98	48	98	76.5	
Jun 12	98	100	100	100	100	100	100	100	100	100	96	92	91	100	100	100	100	100	100	100	100	100	100	100	91	100	99.0	
Jun 13	100	100	100	100	100	100	100	100	100	100	98	97	95	87	86	93	95	83	72	67	76	89	99	100	67	100	93.2	
Jun 14	100	100	97	97	98	100	95	80	77	78	74	67	53	60	99	100	96	100	100	100	100	100	100	100	53	100	90.5	
Jun 15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100.0	
Jun 16	100	99	100	100	100	100	98	93	88	75	64	58	44	35	34	35	45	47	42	41	39	44	56	70	87	34	100	66.4
Jun 17	93	81	85	94	86	69	53	48	47	48	46	43	38	36	34	34	33	34	34	38	46	73	81	91	33	94	56.9	
Jun 18	92	99	98	100	100	100	95	74	60	45	39	35	36	33	30	30	29	27	26	25	34	50	68	77	25	100	58.4	
Jun 19	85	92	90	95	95	82	59	42	35	30	29	27	27	28	28	27	26	25	26	27	31	46	64	72	25	95	49.5	
Jun 20	77	84	71	61	61	58	51	46	39	34	29	26	26	25	25	23	19	17	17	18	24	33	35	37	17	84	39.0	
Jun 21	43	46	50	71	74	60	55	51	47	40	33	30	31	27	27	25	25	25	26	28	36	51	70	65	25	74	43.2	
Jun 22	61	70	71	68	62	60	50	43	39	36	29	24	21	20	21	20	23	23	24	27	33	39	40	41	20	71	39.4	
Jun 23	44	50	57	57	66	81	97	87	74	60	55	52	55	62	99	100	99	87	89	90	94	95	95	98	44	100	76.8	
Jun 24	98	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	98	100	99.9	
Jun 25	100	100	100	100	100	98	89	P	P	P	P	P	P	44	42	44	44	42	40	41	42	54	77	88	95	40	100	70.5
Jun 26	98	100	99	98	94	91	76	63	52	52	46	48	48	48	49	48	46	43	43	45	51	65	75	83	43	100	65.0	
Jun 27	87	89	88	90	89	76	76	69	54	49	46	48	44	40	36	37	34	32	31	30	37	42	52	60	30	90	55.7	
Jun 28	64	70	83	88	89	79	62	51	47	36	34	32	31	29	25	25	26	25	25	27	34	41	63	74	25	89	48.3	
Jun 29	80	81	73	65	69	70	66	59	52	47	42	36	32	32	31	30	29	30	32	34	42	49	62	75	29	81	50.8	
Jun 30	84	87	92	91	95	89	72	61	55	47	46	46	43	43	43	39	45	49	49	55	61	69	71	73	39	95	62.7	
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Diurnal Average	84.3	86.0	86.3	87.7	87.9	85.2	79.9	73.9	69.3	65.3	61.7	59.2	56.2	55.2	56.9	57.6	58.7	57.4	58.1	59.8	64.4	72.5	77.8	81.1				
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.																												



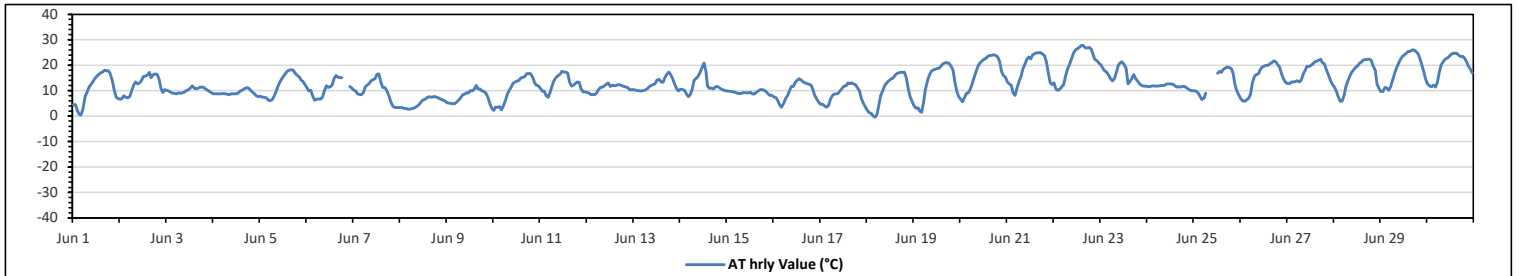
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	951	mb	on Jun 8 at hr 14	Hours in Service:	720																						
Maximum Daily Value:	950	mb	on Jun 8	Hours of Data:	712																						
Minimum Hourly Value:	926	mb	on Jun 3 at hr 3	Hours of Missing Data:	8																						
Minimum Daily Value:	927	mb	on Jun 3	Hours of Calibration:	0																						
Monthly Average:	939	mb		Operational Uptime:	98.9																						
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average	
Jun 1	937	937	937	937	937	937	937	937	937	937	936	936	935	935	934	934	934	935	935	935	935	935	934	937	936		
Jun 2	935	934	934	934	934	934	934	934	934	934	933	933	932	932	931	931	930	930	929	929	929	928	928	935	932		
Jun 3	928	927	927	926	926	926	926	926	926	926	926	926	926	926	926	927	927	927	928	928	928	928	928	926	928	927	
Jun 4	928	928	928	928	928	928	927	927	927	927	927	927	926	926	926	927	927	927	927	928	929	929	929	926	930	927	
Jun 5	930	931	931	932	933	934	935	935	936	936	937	937	938	938	938	938	939	939	939	939	940	940	940	930	940	936	
Jun 6	940	940	941	941	941	941	942	942	942	942	942	942	942	942	941	941	941	P	P	P	941	941	940	940	942	941	
Jun 7	941	941	941	941	941	942	942	942	942	942	942	942	941	941	943	943	944	944	945	946	946	946	947	947	941	947	
Jun 8	947	947	947	947	948	948	949	949	949	949	950	950	950	950	951	951	951	951	951	951	951	951	951	947	951	950	
Jun 9	951	950	950	950	949	949	949	949	949	948	948	947	947	946	946	945	944	944	943	943	942	942	941	941	951	947	
Jun 10	940	940	940	939	939	938	938	938	938	938	937	937	937	937	937	937	936	936	936	935	935	935	935	935	935	940	
Jun 11	934	934	934	934	933	933	933	932	932	932	931	931	931	931	932	931	931	931	931	931	932	932	932	931	934	932	
Jun 12	932	932	932	932	933	933	934	935	935	936	936	936	937	938	938	938	939	940	940	940	941	941	941	941	932	941	
Jun 13	942	942	942	942	942	942	942	942	943	943	943	942	942	942	942	942	942	941	941	941	941	941	941	941	941	943	
Jun 14	940	940	939	939	939	939	938	938	938	937	937	936	936	935	937	938	937	937	937	937	937	937	937	936	935	940	
Jun 15	936	936	935	935	935	935	935	934	934	934	935	935	936	936	936	937	937	937	937	937	937	937	938	938	934		
Jun 16	938	939	939	939	939	940	940	941	941	940	939	939	939	938	938	938	938	938	938	938	939	939	939	938	941		
Jun 17	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	939	939	940	940	941	941	941	942	938	942		
Jun 18	942	942	942	942	942	943	943	944	944	944	944	944	943	943	943	943	943	943	943	943	943	943	943	942	944		
Jun 19	943	943	943	943	944	944	945	945	945	945	945	945	945	945	945	945	945	944	945	945	945	945	946	943	946		
Jun 20	946	946	946	946	946	947	947	947	947	947	947	947	947	946	946	946	946	945	946	945	946	946	946	945	947		
Jun 21	946	946	945	945	945	945	945	945	944	944	943	943	942	942	942	941	941	941	940	940	940	940	940	940	946		
Jun 22	940	939	939	939	939	939	938	938	938	938	937	937	936	936	936	935	935	934	934	933	933	933	933	933	940		
Jun 23	932	932	932	932	932	932	931	931	930	930	930	930	929	930	930	930	930	930	931	931	931	931	931	929	932		
Jun 24	931	931	931	932	932	932	932	933	933	934	934	935	935	936	937	938	939	940	941	941	942	943	943	931	943		
Jun 25	943	944	945	945	946	946	947	P	P	P	P	P	948	948	948	948	948	947	947	947	947	947	947	943	948		
Jun 26	947	947	946	946	946	946	945	945	945	945	944	943	943	943	942	941	941	940	940	940	940	939	939	947			
Jun 27	939	939	939	939	939	939	939	939	939	939	940	940	940	940	940	940	941	941	941	942	942	943	943	939	943		
Jun 28	943	944	944	944	945	945	946	946	946	946	946	946	945	945	945	944	944	944	944	944	944	944	944	943	946		
Jun 29	944	944	944	944	944	944	944	944	944	944	944	943	943	942	942	942	941	941	941	941	942	942	942	941	944		
Jun 30	941	941	941	941	941	941	941	941	940	940	940	940	939	939	938	937	937	937	937	937	937	937	937	937	941		
Diurnal Maximum	951	950	950	950	949	949	949	949	949	950	950	950	950	951	951	951	951	951	951	951	951	951	951	951	951		
Diurnal Average	939	939	939	939	939	939	939	939	939	939	939	939	939	939	939	939	939	939	939	939	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.																											



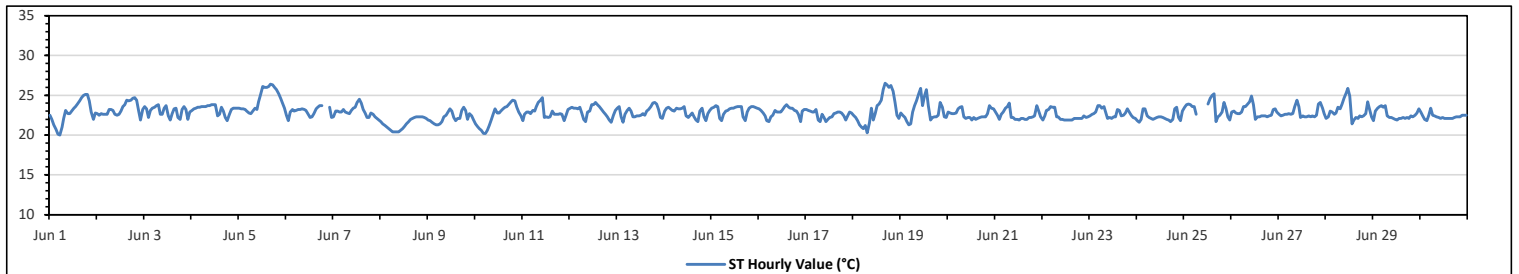
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	27.8	°C	on Jun 22 at hr 15	Hours in Service:	720																							
Maximum Daily Value:	20.9	°C	on Jun 22	Hours of Data:	712																							
Minimum Hourly Value:	-0.4	°C	on Jun 18 at hr 4	Hours of Missing Data:	8																							
Minimum Daily Value:	5.3	°C	on Jun 8	Hours of Calibration:	0																							
Monthly Average:	12.8	°C		Operational Uptime:	98.9																							
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average		
Jun 1	4.5	4.4	2.1	0.5	0.4	2.7	7.7	9.4	11.2	12.4	13.5	14.7	15.6	16.3	16.9	17.4	18	17.8	17.8	16.8	13.9	10.2	7.5	6.9	0.4	18.0	10.8	
Jun 2	6.6	6.9	8	7.3	7.1	7.8	10.1	12.3	13.4	12.6	13.1	13.9	15.5	15.7	16.2	17.2	15	16.2	16.5	16.4	14.5	10.9	9.3	10.4	6.6	17.2	12.2	
Jun 3	10.2	9.9	9.4	9	8.9	8.7	9.1	9	9.1	9.4	10	10.3	10.9	11.9	11.1	10.7	10.9	11.2	11.4	11.2	10.5	10.1	9.6	9.2	8.7	11.9	10.1	
Jun 4	8.8	8.7	8.7	8.7	8.7	8.9	8.8	8.6	8.4	8.7	8.7	8.7	8.8	9.3	9.8	10.3	10.8	11.1	11	10.1	9.5	8.8	8	7.6	7.6	11.1	9.1	
Jun 5	7.8	7.5	7.3	7.2	6.5	6	6.4	7.6	9.4	11.5	13.2	14.5	15.7	16.6	17.7	18	18.2	18.1	17	16.1	15.4	14.2	13.6	12.4	6.0	18.2	12.4	
Jun 6	11.1	9.9	10.1	8	6.3	6.7	6.8	6.7	7.5	9.6	11.9	11.2	11.5	12.2	14.8	16	15.3	15.2	15	P	P	P	11.6	11	6.3	16.0	10.9	
Jun 7	10.3	9.9	8.8	8.5	8.4	9.3	11.4	12.2	12.7	13.9	14.3	14.7	16.4	16.5	13.5	11.3	11.2	10.1	8.2	5.7	4	3.5	3.3	3.4	3.3	16.5	10.1	
Jun 8	3.4	3.3	3	3	2.8	2.7	2.9	3.1	3.6	4.1	4.8	5.9	6.4	6.8	7.3	7.7	7.4	7.6	7.6	7.3	7	6.7	6.2	5.8	2.7	7.7	5.3	
Jun 9	5.3	5.1	5	4.9	4.9	5.5	6.3	7.2	8.3	8.6	9.1	9	10	9.9	10.6	12.1	10.7	10.7	9.8	9.6	9.2	7.2	4.8	2.9	2.9	12.1	7.8	
Jun 10	2.2	3.5	3.5	3.7	2.5	4	6.2	8.5	10	11.2	12.9	13.5	13.8	14	15	15.1	15.6	16.6	16.6	16.7	15.2	13.1	12.2	11.9	2.2	16.7	10.7	
Jun 11	11	9.7	9.7	8	7.4	9.3	11.8	13.9	15	15.8	16.4	17.6	17.4	17.4	17	13.3	11.8	12.2	12.8	13.5	13.3	10.7	9.5	9.5	7.4	17.6	12.7	
Jun 12	9.3	9	8.4	8.5	8.3	9.3	10.6	11.2	11.4	12.1	12.7	13	11.7	12.2	11.9	12.1	12.4	12.3	11.9	11.7	11.4	11.1	10.3	10.4	8.3	13.0	11.0	
Jun 13	10.4	10.2	10	9.8	9.8	10	10.3	10.8	11.5	12.1	12.4	12.7	14.1	14.4	13.4	13.3	15.2	16.4	17.4	16.3	14.7	12.6	10.7	9.9	9.8	17.4	12.4	
Jun 14	10.6	10.6	10.1	8.8	7.7	8.3	10.6	14	14.8	15.6	17	18.8	20.8	17.7	11.8	10.9	11	10.7	11.5	11.6	11.1	10.7	10.3	10	7.7	20.8	12.3	
Jun 15	9.8	9.7	9.6	9.5	9.4	9	8.9	8.9	9.1	9.3	9.1	9.1	9.4	8.8	8.6	9.4	9.9	10.4	10.4	10.1	9.6	8.8	8.2	8.2	8.2	10.4	9.3	
Jun 16	7.5	7.2	6	4.5	3.5	5	6.9	8	9.9	11.6	11.7	13.2	14	14.7	14.1	13.5	13.1	12.8	12.5	12.3	10.6	8.2	6.8	5.4	3.5	14.7	9.7	
Jun 17	4.6	4.7	4.2	3.5	4.2	6.7	8	8.6	8.7	8.9	9.8	10.8	11.8	11.9	13.1	12.7	13	12.7	12.3	11	9.8	6.8	5.1	3.6	3.5	13.1	8.6	
Jun 18	2.4	1.4	1.1	0	-0.4	0.8	4.7	8	10.2	12.1	13	13.8	14.5	14.9	15.7	16.5	16.9	17.2	17.2	17.3	15.2	11	7.7	5.9	-0.4	17.3	9.9	
Jun 19	4.1	3.1	3.2	1.8	1.5	5.3	10.5	14.1	16.3	17.7	18.2	18.5	18.7	18.9	19.7	20.5	21	21	20.7	19.9	18.2	13.5	9.7	7.6	1.5	21.0	13.5	
Jun 20	6.7	5.6	7.2	8.9	9.2	10.6	13	15.5	17.8	19.8	21	21.7	22.3	22.8	23.4	23.8	23.8	24.2	23.9	23.2	21.3	17.5	16	15.3	5.6	24.2	17.3	
Jun 21	13.5	12.7	12.2	9	8.2	11.4	13.8	15.7	18.3	20.4	22.3	23.2	22.5	24.1	24.4	24.8	24.9	25	24.5	23.7	21.3	16.9	13.1	12.4	8.2	25.0	18.3	
Jun 22	13	10.6	10.2	10.5	11.6	12.4	15.8	18.5	20.6	22.8	24.8	25.9	26.5	27	27.7	27.8	26.9	26.8	27	26.4	24.5	22.4	21.7	20.8	10.2	27.8	20.9	
Jun 23	20.2	18.9	17.8	17.4	16.2	14.9	13.7	14.9	17.4	20.1	20.9	21.4	20.2	18.8	12.6	13.6	14.8	16.3	14.7	13.7	12.7	12.1	11.8	11.8	11.8	21.4	16.1	
Jun 24	11.7	11.5	11.8	11.9	11.8	11.8	11.9	12	12	12.2	12.7	12.7	12.7	12.5	12	11.4	11.5	11.4	11.6	11.6	11.1	10.5	10.2	9.9	9.9	12.7	11.7	
Jun 25	10	9.7	9.2	7.8	6.5	7.1	9	P	P	P	P	P	P	16.8	17.6	17.2	18.4	18.8	19.3	19	18.7	16.5	12.5	9.8	8.4	6.5	19.3	13.3
Jun 26	6.8	5.8	5.9	6.4	7	8.6	13.2	15.6	16.3	16.7	18.5	19.3	19.6	20	20	20.5	21.1	21.7	21.3	20.2	19.2	16.5	14.6	13.2	5.8	21.7	15.3	
Jun 27	12.8	12.8	13.5	13.5	13.6	13.9	13.5	14	16.5	18.1	19.6	19.4	19.8	20.6	21.4	21.6	22	22.3	21	20.4	18.2	16.3	13.9	12.4	12.4	22.3	17.1	
Jun 28	11.4	10.1	7.7	5.9	5.8	8.1	11.6	13.7	15.7	17.2	18.2	19	19.8	20.8	21.3	22.1	22.2	22.4	22.4	21.9	19.7	17.9	12.6	11	5.8	22.4	15.8	
Jun 29	9.6	9.6	11.3	11	10.1	11.7	14.2	16.6	18.8	20.5	22.2	23.5	24.2	24.6	25.4	25.5	25.9	26	25.4	24.6	22.8	20.2	17.6	14.5	9.6	26.0	19.0	
Jun 30	12.6	11.8	11.5	12.2	11.4	13.3	17.5	20.2	21.3	22.3	22.9	23.3	24.3	24.6	24.7	24.6	23.8	23.3	23.4	22.7	21.4	19.6	18.4	17	11.4	24.7	19.5	
Diurnal Maximum	20.2	18.9	17.8	17.4	16.2	14.9	17.5	20.2	21.3	22.8	24.8	25.9	26.5	27.0	27.7	27.8	26.9	26.8	27.0	26.4	24.5	22.4	21.7	20.8				
Diurnal Average	8.9	8.5	8.2	7.7	7.3	8.3	10.2	11.7	12.9	14.0	15.0	15.6	16.2	16.5	16.3	16.4	16.4	16.6	16.4	15.9	14.5	12.4	10.8	10.0				
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.																												



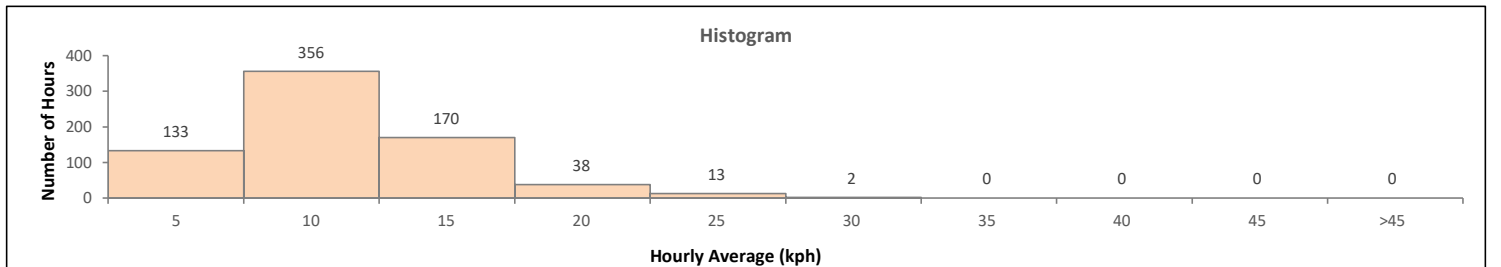
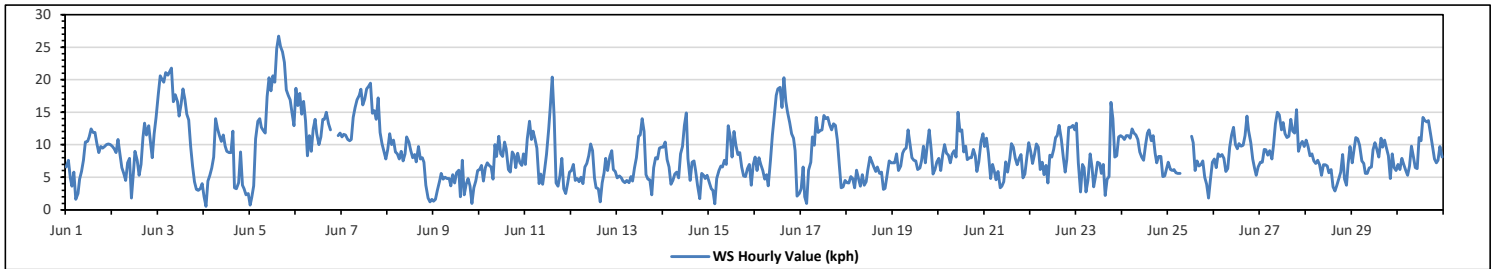
Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	26.5	°C	on Jun 18 at hr 16	Hours in Service:	720																									
Maximum Daily Value:	24.4	°C	on Jun 5	Hours of Data:	712																									
Minimum Hourly Value:	20.0	°C	on Jun 1 at hr 5	Hours of Missing Data:	8																									
Minimum Daily Value:	21.4	°C	on Jun 8	Hours of Calibration:	0																									
Monthly Average:	22.8	°C		Operational Uptime:	98.9																									
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average				
Jun 1	22.5	22.0	21.3	20.7	20.1	20.0	21.0	22.1	23.1	22.7	22.7	23.0	23.4	23.6	23.9	24.3	24.7	25.0	25.1	25.1	24.3	22.9	22.0	22.8	20.0	25.1	22.8			
Jun 2	22.7	22.5	22.7	22.6	22.6	22.6	23.2	23.1	22.6	22.5	22.6	23.0	23.6	23.8	24.4	24.3	24.4	24.6	24.7	24.4	23.1	21.9	23.2	22.2	21.9	24.7	23.3			
Jun 3	23.6	23.3	22.2	23.1	23.4	23.5	23.7	23.8	22.6	22.6	23.4	23.7	22.4	21.9	22.7	23.3	23.4	22.2	22.0	23.2	23.6	23.2	22.0	22.9	21.9	23.8	23.0			
Jun 4	23.1	23.3	23.4	23.5	23.5	23.6	23.6	23.6	23.7	23.7	23.8	23.8	23.8	22.4	22.6	23.5	23.0	22.2	21.8	22.6	23.2	23.4	23.4	23.4	21.8	23.8	23.2			
Jun 5	23.4	23.3	23.3	23.2	23.0	22.8	22.7	23.0	23.4	23.2	24.2	25.2	26.1	26.0	26.0	26.1	26.4	26.3	26.0	25.7	25.2	24.6	24.1	23.4	22.7	26.4	24.4			
Jun 6	22.5	21.8	22.9	23.2	23.0	23.1	23.2	23.2	23.3	23.2	23.1	22.7	22.2	22.3	22.7	23.3	23.5	23.7	23.7	P	P	P	23.5	22.2	21.8	23.7	23.0			
Jun 7	22.3	23.0	23.0	22.9	22.9	23.2	22.9	22.8	22.7	23.1	23.4	23.5	24.1	24.5	24.0	23.2	22.8	22.2	22.2	22.8	22.6	22.3	22.1	21.9	21.9	24.5	22.9			
Jun 8	21.7	21.4	21.2	21.0	20.8	20.6	20.4	20.4	20.4	20.4	20.6	20.8	21.1	21.4	21.7	22.0	22.1	22.2	22.3	22.3	22.3	22.3	22.2	22.1	20.4	22.3	21.4			
Jun 9	21.9	21.8	21.6	21.4	21.3	21.3	21.4	21.7	22.3	22.5	22.9	23.3	23.0	22.2	21.8	22.1	22.1	23.1	23.5	23.1	22.0	22.7	22.4	21.9	21.3	23.5	22.2			
Jun 10	21.4	21.1	20.8	20.6	20.2	20.2	20.6	21.2	21.9	22.6	23.3	22.8	22.8	23.0	23.3	23.5	23.6	23.9	24.2	24.4	24.3	23.5	22.9	22.4	20.2	24.4	22.4			
Jun 11	21.8	22.6	22.9	22.9	22.7	23.1	23.0	23.6	24.1	24.4	24.7	22.2	22.3	22.2	22.3	23.0	22.6	22.6	22.6	22.7	22.6	21.8	22.5	23.2	21.8	24.7	22.9			
Jun 12	23.4	23.5	23.4	23.4	23.3	23.5	22.8	22.0	21.7	22.9	23.0	23.8	23.8	24.1	23.8	23.6	23.2	22.9	22.6	22.3	21.9	21.6	22.5	23.1	21.6	24.1	23.0			
Jun 13	23.4	23.6	22.3	21.6	22.6	23.1	23.4	23.0	22.3	22.3	22.4	22.4	22.5	22.7	22.5	23.0	23.2	23.6	24.0	24.1	23.9	23.2	22.2	22.1	21.6	24.1	22.9			
Jun 14	23.0	23.4	23.5	23.3	23.1	23.0	23.4	23.3	23.3	23.4	23.6	22.4	22.2	22.5	22.8	22.3	21.9	21.7	23.0	23.4	22.3	21.8	22.7	23.1	21.7	23.6	22.9			
Jun 15	23.4	23.5	23.7	23.6	22.1	21.8	22.6	23.0	23.1	23.3	23.4	23.4	23.5	23.6	23.6	23.6	22.3	21.8	22.9	23.4	23.6	23.6	23.5	23.4	21.8	23.7	23.2			
Jun 16	23.3	23.1	22.8	22.4	21.8	21.7	22.3	22.5	23.1	22.9	22.9	22.9	23.2	23.6	23.8	23.5	23.4	23.4	23.1	23.0	22.6	21.7	23.0	23.2	21.7	23.8	22.9			
Jun 17	23.2	23.1	23.0	22.9	22.9	23.2	21.9	21.7	22.6	22.2	21.7	22.0	22.2	23.3	22.7	22.8	22.9	22.9	22.8	22.4	21.9	22.4	22.9	22.8	21.7	23.2	22.6			
Jun 18	22.5	22.2	21.8	21.3	21.0	20.8	21.2	20.3	21.5	23.4	21.9	22.7	23.7	23.9	24.4	25.7	26.5	26.3	26.0	26.2	25.5	24.1	22.5	22.1	20.3	26.5	23.2			
Jun 19	22.8	22.5	22.2	21.7	21.3	21.4	22.9	23.7	24.3	25.2	25.9	23.7	24.9	25.7	23.7	21.9	22.2	22.3	22.3	22.5	24.1	23.5	22.3	22.2	21.3	25.9	23.1			
Jun 20	22.9	22.8	22.7	22.7	22.8	23.3	23.5	23.6	22.3	22.1	22.2	22.2	21.9	22.2	22.0	22.1	22.2	22.3	22.3	22.3	22.7	23.7	23.4	23.3	21.9	23.7	22.6			
Jun 21	22.9	22.5	22.0	22.6	22.9	23.4	23.6	24.0	22.2	22.2	22.0	22.0	21.9	22.1	22.1	22.0	22.0	22.2	22.2	22.3	22.4	23.7	23.0	22.3	21.9	24.0	22.5			
Jun 22	21.9	22.4	23.1	23.2	23.6	23.5	23.5	22.3	22.3	22.0	22.0	21.9	21.9	21.9	21.9	21.9	22.1	22.1	22.1	22.1	22.1	22.4	22.2	22.3	21.9	23.6	22.4			
Jun 23	22.4	22.6	22.7	22.9	23.7	23.7	23.4	23.6	22.9	22.1	22.2	22.1	22.3	22.3	23.2	23.1	22.4	22.5	22.8	23.3	22.9	22.5	22.2	22.1	22.1	23.7	22.7			
Jun 24	21.8	21.6	22.0	23.3	23.3	22.4	22.2	22.1	22.0	22.1	22.2	22.3	22.3	22.2	22.1	22.0	21.9	21.7	22.0	23.3	23.5	22.2	21.8	23.0	21.6	23.5	22.3			
Jun 25	23.5	23.8	23.9	23.8	23.6	23.6	22.6	P	P	P	P	P	P	23.9	24.6	25.0	25.2	21.7	22.3	22.5	22.9	24.1	23.4	22.3	21.9	21.7	25.2	23.4		
Jun 26	22.9	23.0	22.8	22.7	22.7	22.9	23.6	23.6	23.9	24.2	24.9	23.8	22.0	22.3	22.3	22.4	22.4	22.4	22.3	22.4	22.5	23.2	23.3	22.9	22.0	24.9	23.0			
Jun 27	22.6	22.4	22.5	22.6	22.6	22.7	22.6	22.7	23.6	24.4	23.6	22.2	22.4	22.3	22.3	22.4	22.3	22.4	22.3	22.5	23.9	24.1	23.4	22.7	22.2	24.4	22.8			
Jun 28	22.1	22.3	23.0	22.9	22.6	22.8	23.5	23.3	23.9	24.6	25.3	25.9	24.9	21.4	21.9	22.2	22.1	22.4	22.3	22.4	22.7	24.2	23.2	22.3	21.4	25.9	23.1			
Jun 29	21.8	23.0	23.4	23.6	23.7	23.5	23.7	22.4	22.2	22.2	22.1	22.0	21.9	22.1	22.1	22.2	22.1	22.2	22.1	22.4	22.3	22.5	22.8	23.3	21.8	23.7	22.6			
Jun 30	22.9	22.4	22.0	21.8	22.5	23.4	22.5	22.4	22.3	22.2	22.1	22.2	22.1	22.1	22.1	22.1	22.1	22.2	22.3	22.3	22.3	22.5	22.5	22.5	21.8	23.4	22.3			
Diurnal Maximum	23.6	23.8	23.9	23.8	23.7	23.7	23.7	24.0	24.3	25.2	25.9	25.9	26.1	26.0	26.0	26.1	26.5	26.3	26.0	26.2	25.5	24.6	24.1	23.4						
Diurnal Average	22.7	22.7	22.6	22.6	22.5	22.6	22.7	22.7	22.8	22.9	23.0	22.9	22.9	22.9	23.0	23.1	22.9	22.9	23.0	23.2	23.2	23.0	22.7	22.7						
C	Monthly Calibration						S	Daily Zero-Span Check						Q	Quality Assurance															
K	Collection Error						ND	No Data (Machine Not in Service)						Y	Routine Maintenance															
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 - June 2024
Summary of Hourly Averages
VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	26.7	kph	on Jun 5 at hr 15	Hours in Service:	720																											
Maximum Daily Value:	15.9	kph	on Jun 5	Hours of Data:	712																											
Minimum Hourly Value:	0.5	kph	on Jun 4 at hr 1	Hours of Missing Data:	8																											
Minimum Daily Value:	4.1	kph	on Jun 9	Hours of Calibration:	0																											
Monthly Average:	0.6	kph		Operational Uptime:	98.9																											
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Jun 1	6.6	7.6	4.9	3.6	5.8	1.6	2.5	4.7	5.9	7.6	10.4	10.5	11.2	12.4	11.9	11.9	10.2	8.8	9.7	9.5	9.7	10.0	10.1	10.0	1.6	12.4	8.2					
Jun 2	9.8	9.4	8.8	10.8	8.6	6.5	5.6	4.5	7.2	7.9	1.8	5.6	9.0	7.6	5.3	7.0	11.1	13.3	11.5	12.9	10.2	8.0	11.7	14.2	1.8	14.2	8.7					
Jun 3	17.8	20.6	20.1	19.6	21.1	20.7	21.2	21.8	16.6	17.7	16.6	14.4	16.2	18.6	17.0	14.7	13.8	9.8	6.7	4.3	3.1	3.0	3.2	4.0	3.0	21.8	14.3					
Jun 4	2.0	0.5	4.4	5.3	6.4	8.1	14.0	12.5	11.4	10.5	11.5	9.8	9.0	8.8	8.8	12.1	3.4	3.2	4.2	8.9	3.8	3.2	2.3	2.5	0.5	14.0	6.9					
Jun 5	0.7	1.9	3.7	10.9	13.6	14.0	12.7	12.2	11.8	17.4	20.3	18.3	20.6	19.6	24.8	26.7	25.1	24.3	22.7	18.4	17.6	16.9	14.8	12.9	0.7	26.7	15.9					
Jun 6	18.7	16.0	17.9	14.7	16.7	13.7	8.3	11.4	9.0	12.4	13.9	11.7	10.0	11.2	13.9	13.9	15.0	13.2	12.3	P	P	P	11.4	11.8	8.3	18.7	13.2					
Jun 7	11.2	11.6	11.5	10.8	10.6	10.8	14.2	15.7	16.9	17.6	18.5	16.1	17.0	18.6	19.0	19.5	14.8	15.2	13.9	17.2	11.9	10.2	9.0	7.8	7.8	19.5	14.2					
Jun 8	9.3	11.7	10.0	10.7	8.9	8.6	7.8	9.0	7.5	8.6	11.2	10.4	9.1	8.0	8.5	7.4	9.7	7.8	8.0	7.3	3.8	1.8	1.2	1.6	1.2	11.7	7.8					
Jun 9	1.3	1.6	3.0	4.4	5.6	4.7	5.0	4.8	4.8	3.7	5.4	4.1	5.7	6.1	2.0	7.6	2.3	3.9	4.8	3.7	1.0	3.4	4.4	6.0	1.0	7.6	4.1					
Jun 10	6.2	6.8	4.4	6.5	7.2	6.8	6.6	4.7	10.0	8.2	11.3	8.6	8.2	10.4	9.4	6.2	5.8	8.9	8.4	6.5	8.7	7.2	6.8	8.6	4.4	11.3	7.6					
Jun 11	7.0	10.9	13.6	10.8	12.1	10.9	9.5	4.0	5.5	3.9	6.1	8.5	12.4	15.9	20.4	14.3	4.1	3.6	5.2	7.9	3.2	2.5	4.0	5.8	2.5	20.4	8.4					
Jun 12	6.0	7.0	4.5	4.8	4.3	5.0	4.0	6.6	7.1	8.3	10.1	9.1	4.9	3.4	3.2	1.2	4.1	5.7	7.9	6.0	8.2	9.1	6.2	5.9	1.2	10.1	5.9					
Jun 13	4.9	5.2	4.9	4.4	4.2	4.5	4.2	5.1	4.4	6.4	8.0	11.3	11.5	14.0	12.0	5.4	4.7	4.6	2.3	6.5	8.0	7.8	9.5	9.6	2.3	14.0	6.8					
Jun 14	9.6	10.4	7.7	6.6	3.9	4.5	5.5	5.8	4.9	8.6	9.7	13.0	14.9	7.9	4.5	7.3	7.5	6.0	3.8	1.7	5.6	5.3	4.8	5.3	1.7	14.9	6.9					
Jun 15	4.2	3.2	3.0	0.9	4.8	6.0	6.7	6.6	7.6	7.0	12.9	11.3	8.1	12.0	9.9	8.5	8.8	6.6	5.2	5.1	6.3	7.0	3.8	6.9	0.9	12.9	6.8					
Jun 16	8.1	6.0	8.0	6.9	6.0	4.7	5.4	3.7	7.6	11.5	14.5	17.6	18.6	18.8	15.7	20.3	16.7	15.1	13.4	11.7	11.0	9.1	2.1	2.5	2.1	20.3	10.6					
Jun 17	3.2	6.6	2.0	1.0	6.1	7.3	11.2	9.9	14.2	11.9	12.2	12.3	14.5	14.0	14.2	13.1	12.3	13.2	13.0	10.7	6.9	3.4	3.5	4.5	1.0	14.5	9.2					
Jun 18	4.2	4.1	5.1	4.8	3.4	6.1	4.8	3.6	5.4	3.8	4.3	6.1	8.1	7.4	6.6	5.9	6.6	5.6	5.8	3.1	3.3	5.2	7.5	7.2	3.1	8.1	5.3					
Jun 19	7.2	7.2	8.6	6.0	6.7	8.7	9.2	9.5	12.3	9.8	8.0	7.6	7.5	6.2	6.4	7.5	9.8	7.2	9.9	12.3	9.4	5.5	6.2	7.4	5.5	12.3	8.2					
Jun 20	7.9	6.0	8.4	10.0	8.7	8.4	7.2	8.6	9.1	8.1	15.0	12.1	12.3	8.9	9.8	7.7	8.0	8.0	9.3	8.3	5.9	7.4	10.5	11.7	5.9	15.0	9.1					
Jun 21	9.7	11.0	8.7	4.8	7.0	6.0	4.6	5.9	3.4	3.6	4.3	7.4	5.8	7.9	10.2	9.6	7.9	6.9	7.9	8.5	4.9	5.5	8.0	10.3	3.4	11.0	7.1					
Jun 22	9.0	7.1	8.5	10.1	9.6	6.2	7.3	5.4	6.8	4.1	8.4	8.1	9.3	11.1	11.4	13.0	10.8	8.1	5.8	7.7	12.7	12.7	13.0	12.3	4.1	13.0	9.1					
Jun 23	13.3	7.2	2.7	7.0	6.5	2.7	4.5	8.6	6.5	3.5	5.2	7.3	7.1	5.6	7.0	2.2	4.7	5.1	16.5	14.0	8.1	8.3	11.2	11.4	2.2	16.5	7.3					
Jun 24	11.2	10.8	11.4	11.4	11.0	12.4	11.8	11.5	10.8	8.9	8.1	7.6	9.9	11.8	12.3	10.6	11.4	8.7	7.2	8.2	8.2	5.1	5.2	6.2	5.1	12.4	9.7					
Jun 25	7.3	6.2	6.0	6.2	5.7	5.6	5.6	P	P	P	P	P	11.3	10.3	6.0	7.5	6.7	6.9	7.5	5.0	3.9	1.8	4.7	7.3	1.8	11.3	6.4					
Jun 26	7.8	6.5	8.6	8.2	8.5	7.9	5.9	6.3	9.6	11.5	12.7	10.0	9.4	10.2	9.8	9.9	11.4	14.4	12.2	10.3	7.8	6.3	5.3	6.6	5.3	14.4	9.0					
Jun 27	7.3	7.3	9.3	9.2	8.4	9.1	7.8	9.9	13.2	15.0	14.6	12.3	13.4	11.7	11.1	11.3	13.9	12.1	11.8	15.4	9.0	10.0	10.5	9.7	7.3	15.4	11.0					
Jun 28	10.7	9.7	8.3	8.6	7.5	7.1	7.6	6.9	5.3	6.9	6.9	6.7	5.7	6.2	3.5	2.9	3.8	4.6	5.8	8.5	4.7	3.8	7.0	9.7	2.9	10.7	6.6					
Jun 29	7.2	9.4	11.1	10.9	9.9	7.5	7.1	5.6	5.6	6.4	6.6	9.2	10.3	9.3	8.1	11.0	9.6	10.7	9.5	8.3	4.8	8.6	6.5	6.0	4.8	11.1	8.3					
Jun 30	7.0	6.2	7.9	7.0	6.1	5.3	6.7	9.8	8.2	6.5	6.3	11.1	10.6	14.2	13.7	13.5	13.7	11.6	9.7	7.8	7.2	7.6	9.7	8.1	5.3	14.2	9.0					
Diurnal Maximum	18.7	20.6	20.1	19.6	21.1	20.7	21.2	21.8	16.9	17.7	20.3	18.3	20.6	19.6	24.8	26.7	25.1	24.3	22.7	18.4	17.6	16.9	14.8	14.2								
Diurnal Average	7.9	7.9	7.9	7.9	8.2	7.7	7.8	8.1	8.6	8.9	10.2	10.3	10.7	10.9	10.5	10.3	9.6	9.1	9.1	8.8	7.2	6.7	7.1	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									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
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.																																

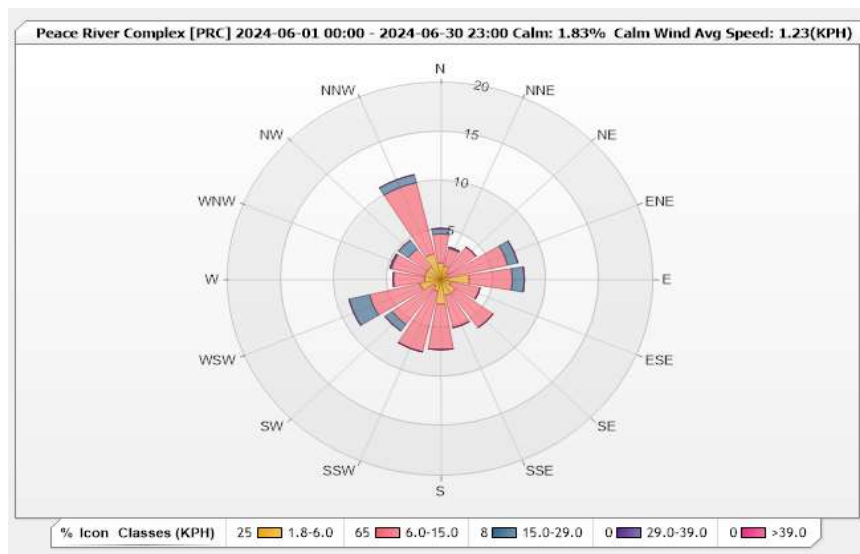


Station: Peace River Complex [PRC] Monitor: WDS [KPH] Monthly: 06-2024

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

Calm (WS<1.8kph): 1.83% Valid Data: 98.89%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1.69	2.95	0.56	0	0	5.2
NNE	1.4	1.83	0.14	0	0	3.37
NE	0.84	3.23	0	0	0	4.07
ENE	0.56	5.9	0.98	0	0	7.44
E	2.67	4.07	1.12	0	0	7.86
ESE	0.98	2.81	0	0	0	3.79
SE	1.69	4.35	0	0	0	6.04
SSE	1.69	3.37	0	0	0	5.06
S	2.53	4.63	0	0	0	7.16
SSW	1.26	6.32	0	0	0	7.58
SW	0.84	4.78	0.84	0	0	6.46
WSW	1.97	4.92	1.97	0	0	8.86
W	1.54	2.95	0	0	0	4.49
WNW	1.54	3.23	0.14	0	0	4.91
NW	1.54	2.25	1.12	0	0	4.91
NNW	2.67	7.44	0.84	0	0	10.95
Summary	25.41	65.03	7.71	0	0	98.15

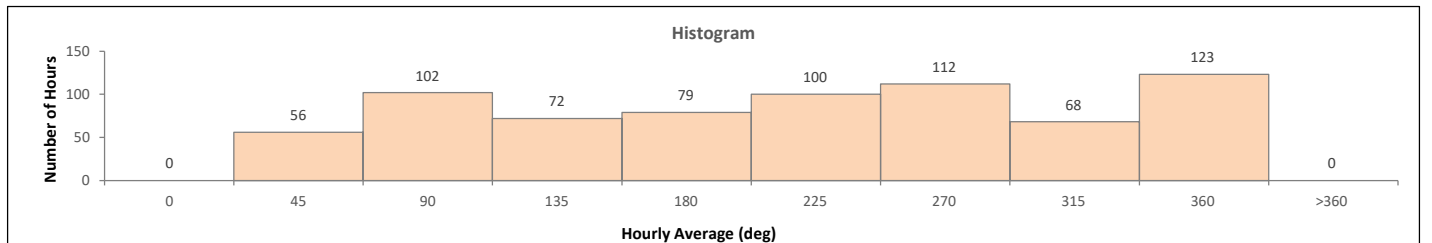
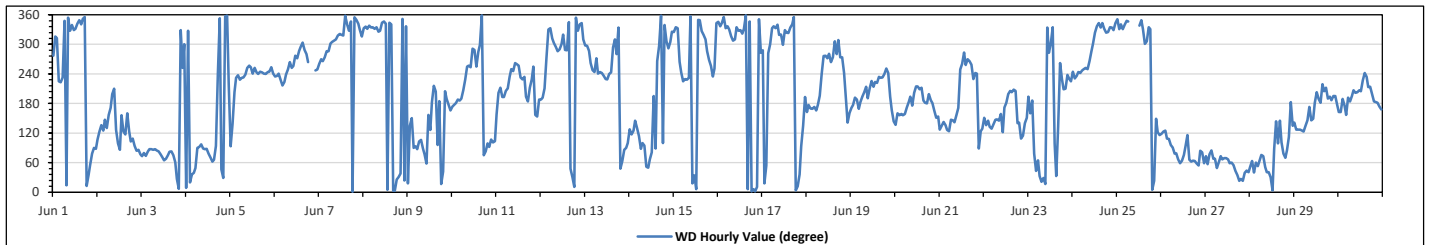


Peace River Area Monitoring Program
Peace River Complex (PRC) Station - June 2024
Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

Monthly Average:		263 (W) degree													Hours in Service:		720												
															Hours of Data:		712												
															Hours of Missing Data:		8												
															Hours of Calibration:		0												
															Operational Uptime:		98.9												
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			
Jun 1	W	NW	NW	SW	SW	SW	NNW	NNE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NE	NE	ENE	E	E	356	N			
Jun 2	ESE	ESE	SE	SE	SE	SE	SSE	S	SSW	SSW	SE	E	E	SSE	ESE	ESE	SSE	ESE	ESE	E	E	E	ENE	ENE	121	ESE			
Jun 3	ENE	E	ENE	E	E	E	E	E	E	E	ENE	ENE	ENE	ENE	ENE	E	E	ENE	ENE	NNE	N	NNW	WSW	WNW	77	ENE			
Jun 4	N	NNW	NNE	NE	NE	NE	E	E	E	E	E	E	ENE	ENE	ENE	ENE	E	WSW	N	NE	NNE	N	N	SW	69	ENE			
Jun 5	E	SE	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	243	WSW			
Jun 6	SW	SW	WSW	SW	SW	SW	WSW	WSW	W	WSW	WSW	W	W	WNW	WNW	WNW	WNW	W	W	P	P	P	P	WSW	256	WSW			
Jun 7	W	W	W	W	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	N	NNW	NNW	NNW	N	N	N	NNW	NNW	NW	319	NW			
Jun 8	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	N	NNW	NNW	N	N	NNE	NNE	NE	N	NNE	NNW	346	NNW			
Jun 9	NNE	SE	SSE	E	E	E	ESE	ESE	E	ENE	ENE	SSE	SE	S	SW	SSW	E	S	NNE	NE	SSW	S	S	SSE	125	SE			
Jun 10	S	S	S	S	S	S	SSW	SW	WSW	WSW	WSW	WNW	WNW	WSW	WNW	WNW	N	ENE	E	E	E	ESE	E	ESE	208	SSW			
Jun 11	SSE	SSW	SSW	S	S	SSW	SSW	SW	WSW	WSW	W	WSW	WSW	SW	SW	SSW	S	SSW	SW	WSW	SSE	SSE	S	S	219	SW			
Jun 12	S	S	SSW	W	NNW	NNW	NW	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	NNW	NE	NNE	NNE	N	NNW	NNW	NNW	NW	313	NW			
Jun 13	WNW	WNW	WNW	W	WSW	WSW	W	WSW	WSW	WSW	SW	SW	SW	WSW	WSW	WNW	NW	W	NNW	NE	ENE	E	E	E	251	WSW			
Jun 14	SE	ESE	SE	SE	SE	ESE	E	E	E	NE	NE	ENE	E	SSW	E	W	WNW	N	E	NNW	NW	WNW	WNW	NW	84	E			
Jun 15	NW	NNW	NNW	W	WSW	SW	SW	SW	SW	N	NNE	NE	N	N	NNW	NW	NW	NW	NNW	N	WSW	SW	WSW	NNW	315	NW			
Jun 16	NNW	NNW	NNW	N	NNW	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	NW	NNW	N	N	NNW	N	N	N	NNE	N	W	341	NNW			
Jun 17	WNW	NNE	NE	W	WNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NNW	NW	NNW	NNW	N	N	NNE	NE	E	SE	S	S	337	NNW			
Jun 18	SSE	S	SSE	SSE	S	SSE	S	SSW	WSW	W	W	W	W	W	W	NW	W	NW	W	W	WSW	SSW	SE	SSE	232	SW			
Jun 19	S	S	S	S	SSE	S	SSW	SSW	SSW	S	SSW	SW	SSW	SW	SW	SSW	SW	SW	WSW	WSW	WSW	SSW	SSE	SE	208	SSW			
Jun 20	SE	SSE	SSE	SSE	SSE	SSE	S	S	SSW	S	SSW	SSW	SSW	SSW	SSW	S	S	S	SSW	S	S	SSE	SSE	SSE	181	S			
Jun 21	SE	SE	SE	SE	SE	ESE	SE	SE	SE	SSE	S	WSW	W	WNW	WSW	W	W	WSW	SW	WSW	WSW	E	ESE	SE	185	S			
Jun 22	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	S	S	SSW	SSW	SSW	SSW	SSW	SE	SE	ESE	ESE	SE	SSE	155	SSE			
Jun 23	SSW	SSE	S	ENE	NE	ENE	NNE	NNE	NNE	NNW	W	WNW	NNW	E	NNE	SE	W	SW	SSW	SSW	SW	SW	SW	SW	228	SW			
Jun 24	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	289	WNW		
Jun 25	N	NNW	NNW	NNW	NNW	NNW	NNW	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	343	NNW			
Jun 26	ESE	ESE	SE	ESE	ESE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	E	ESE	ENE	ENE	ENE	ENE	ENE	NE	E	E	ENE	80	E			
Jun 27	ENE	ENE	ENE	E	ENE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NNE	NNE	NNE	NE	NE	NE	55	NE			
Jun 28	NE	ENE	NE	ENE	NE	ENE	ENE	ENE	NE	NE	NNE	N	E	SE	E	SE	E	SE	E	ENE	E	ESE	S	SE	71	ENE			
Jun 29	SE	SE	SE	SE	SE	ESE	SE	SE	S	SE	SSE	S	SSW	S	S	SW	SSW	SSW	S	SSW	S	SSW	SSW	S	170	SSE			
Jun 30	SSE	SSE	S	S	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	SW	SSW	SSW	SSW	S	S	S	SSE	199	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.																													

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 - June 2024
Summary of Hourly Averages

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

WIND SPEED																																												
Maximum Hourly Value:					26.7	kph	on Jun 5 at hr 15										Hours in Service:					720																						
Maximum Daily Value:					15.9	kph	on Jun 5										Hours of Data:					712																						
Minimum Hourly Value:					0.5	kph	on Jun 4 at hr 1										Hours of Missing Data:					8																						
Minimum Daily Value:					4.1	kph	on Jun 9										Hours of Calibration:					0																						
Monthly Average:					0.6	kph											Operational Uptime:					98.9																						
WIND DIRECTION																																												
Monthly Average:					263 degree (W)																																							
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average																	
Jun 1	6.6	7.6	4.9	3.6	5.8	1.6	2.5	4.7	5.9	7.6	10.4	10.5	11.2	12.4	11.9	11.9	10.2	8.8	9.7	9.5	9.7	10.0	10.1	10.0	1.6	12.4	8.2																	
	W	NW	NW	SW	SW	SW	NNW	NNE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NE	ENE	E	E	E	1.8	14.2	8.7																	
Jun 2	9.8	9.4	8.8	10.8	8.6	6.5	5.6	4.5	7.2	7.9	1.8	5.6	9.0	7.6	5.3	7.0	11.1	13.3	11.5	12.9	10.2	8.0	11.7	14.2	3.0	21.8	14.3																	
	ESE	ESE	SE	SE	SE	SSE	S	SSW	SSW	SE	E	E	SSE	ESE	ESE	SSE	ESE	ESE	ESE	E	E	E	ENE	4.0	7.8	121(ESE)																		
Jun 3	17.8	20.6	20.1	19.6	21.1	20.7	21.2	21.8	16.6	17.7	16.6	14.4	16.2	18.6	17.0	14.7	13.8	9.8	6.7	4.3	3.1	3.0	3.2	4.0	3.0	21.8	14.3																	
	ENE	E	ENE	E	E	E	E	E	E	E	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	NNE	N	NNW	WSW	WNW	77(ENE)	14.0	6.9																		
Jun 4	2.0	0.5	4.4	5.3	6.4	8.1	14.0	12.5	11.4	10.5	11.5	9.8	9.0	8.8	12.1	3.4	3.2	4.2	8.9	3.8	3.2	2.3	2.5	0.5	14.0	6.9																		
	N	NNW	NNE	NE	NE	NE	E	E	E	E	E	E	ENE	ENE	ENE	ENE	E	WSW	N	NE	NNE	N	N	SW	69(ENE)	14.0	6.9																	
Jun 5	0.7	1.9	3.7	10.9	13.6	14.0	12.7	12.2	11.8	17.4	20.3	18.3	20.6	19.6	24.8	26.7	25.1	24.3	22.7	18.4	17.6	16.9	14.8	12.9	0.7	26.7	15.9																	
	E	SE	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	243(WSW)	15.9	15.9																	
Jun 6	18.7	16.0	17.9	14.7	16.7	13.7	8.3	11.4	9.0	12.4	13.9	11.7	10.0	11.2	13.9	13.9	15.0	13.2	12.3	P	P	P	11.4	11.8	8.3	18.7	13.2																	
	SW	SW	WSW	SW	SW	WSW	WSW	W	WSW	WSW	W	W	WNW	WNW	WNW	WNW	W	W	P	P	P	11.4	11.8	WSW	8.3	18.7	256(WSW)																	
Jun 7	11.2	11.6	11.5	10.8	10.6	10.8	14.2	15.7	16.9	17.6	18.5	16.1	17.0	18.6	19.0	19.5	14.8	15.2	13.9	17.2	11.9	10.2	9.0	7.8	7.8	19.5	14.2																	
	W	W	W	W	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	N	NNW	NNW	NNW	N	N	NNW	NNW	NW	NW	319(NW)	19.5	14.2																	
Jun 8	9.3	11.7	10.0	10.7	8.9	8.6	7.8	9.0	7.5	8.6	11.2	10.4	9.1	8.0	8.5	7.4	9.7	7.8	8.0	7.3	3.8	1.8	1.2	1.6	1.2	11.7	7.8																	
	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	N	NNW	NNW	N	N	NNE	NE	N	NNE	NNW	NNW	346(NNW)	11.7	7.8																	
Jun 9	1.3	1.6	3.0	4.4	5.6	4.7	5.0	4.8	4.8	3.7	5.4	4.1	5.7	6.1	2.0	7.6	2.3	3.9	4.8	3.7	1.0	3.4	4.4	6.0	1.0	7.6	4.1																	
	NNE	SE	SSE	E	E	E	ESE	ESE	E	ENE	ENE	SSE	SE	S	SW	SSW	E	S	NNE	NE	SSW	S	S	SSE	125(SE)	7.6	4.1																	
Jun 10	6.2	6.8	4.4	6.5	7.2	6.8	6.6	4.7	10.0	8.2	11.3	8.6	8.2	10.4	9.4	6.2	5.8	8.9	8.4	6.5	8.7	7.2	6.8	8.6	4.4	11.3	7.6																	
	S	S	S	S	S	S	SSW	SW	WSW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	N	ENE	E	E	ESE	E	ESE	E	2.5	20.4	8.4																	
Jun 11	7.0	10.9	13.6	10.8	12.1	10.9	9.5	4.0	5.5	3.9	6.1	8.5	12.4	15.9	20.4	14.3	4.1	3.6	5.2	7.9	3.2	2.5	4.0	5.8	1.2	10.1	5.9																	
	SSE	SSW	SSW	S	S	SSW	SSW	SW	WSW	WSW	W	WSW	WSW	SW	SW	SSW	S	SSW	SW	WSW	SSE	SSE	S	S	219(SW)	10.1	5.9																	
Jun 12	6.0	7.0	4.5	4.8	4.3	5.0	4.0	6.6	7.1	8.3	10.1	9.1	4.9	3.4	3.2	1.2	4.1	5.7	7.9	6.0	8.2	9.1	6.2	5.9	1.2	10.1	5.9																	
	S	S	SSW	W	NNW	NNW	NW	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	NNW	NE	NNE	NNE	N	NNW	NNW	NNW	NW	313(NW)	10.1	5.9																	
Jun 13	4.9	5.2	4.9	4.4	4.2	4.5	4.2	5.1	4.4	6.4	8.0	11.3	11.5	14.0	12.0	5.4	4.7	4.6	2.3	6.5	8.0	7.8	9.5	9.6	2.3	14.0	6.8																	
	WNW	WNW	WNW	W	WSW	WSW	W	WSW	WSW	WSW	SW	SW	WSW	WSW	WSW	WNW	NW	W	NNW	NE	ENE	E	E	E	251(WSW)	14.0	6.8																	
Jun 14	9.6	10.4	7.7	6.6	3.9	4.5	5.5	5.8	4.9	8.6	9.7	13.0	14.9	7.9	4.5	7.3	7.5	6.0	3.8	1.7	5.6	5.3	4.8	5.3	1.7	14.9	6.9																	
	SE	ESE	SE	SE	SE	ESE	E	E	E	NE	NE	ENE	E	SSW	E	W	WNW	N	E	NNW	NW	WNW	WNW	NW	84(E)	14.9	6.9																	
Jun 15	4.2	3.2	3.0	0.9	4.8	6.0	6.7	6.6	7.6	7.0	12.9	11.3	8.1	12.0	9.9	8.5	8.8	6.6	5.2	5.1	6.3	7.0	3.8	6.9	0.9	12.9	6.8																	
	NW	NNW	NNW	W	WSW	SW	SW	SW	SW	N	NNE	NE	N	N	NNW	NW	NW	NNW	W	WSW	SW	WSW	WSW	NNW	315(NW)	12.9	6.8																	
Jun 16	8.1	6.0	8.0	6.9	6.0	4.7	5.4	3.7	7.6	11.5	14.5	17.6	18.6	18.8	15.7	20.3	16.7	15.1	13.4	11.7	11.0	9.1	2.1	2.5	2.1	20.3	10.6																	
	NNW	NNW	NNW	N	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNW	N	N	N	NNE	N	W	341(NNW)	20.3	10.6																		
Jun 17	3.2	6.6	2.0	1.0	6.1	7.3	11.2	9.9	14.2	11.9	12.2	12.3	14.5	14.0	14.2	13.1	12.3	13.2	13.0	10.7	6.9	3.4	3.5	4.5	1.0	14.5	9.2																	
	WNW	NNE	NE	W	WNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NW	NW	NNW	NNW	N	N	NNE	NE	E	SE	S	337(NNW)	14.5	9.2																	
Jun 18	4.2	4.1	5.1	4.8	3.4	6.1	4.8	3.6	5.4	3.8	4.3	6.1	8.1	7.4	6.6	5.9	6.6	5.6	5.8	3.1	3.3	5.2	7.5	7.2	3.1	8.1	5.3																	
	SSE	S	SSE	SSE	S	SSE	S	SSW	WSW	W	W	W	W	W	W	NW	W	NW	W	W	WSW	SSW	SE	SSE	5.5	12.3	232(SW)																	
Jun 19	7.2	7.2	8.6	6.0	6.7	8.7	9.2	9.5	12.3	9.8	8.0	7.6	7.5	6.2	6.4	7.5	9.8	7.2	9.9	12.3	9.4	5.5	6.2	7.4	5.5	12.3	8.2																	
	S	S	S	S	SSE	S	SSW	SSW	SSW	S	SSW	SW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	SSW	SSE	SE	208(SSW)	12.3	8.2																	
Jun 20	7.9	6.0	8.4	10.0	8.7	8.4	7.2	8.6	9.1	8.1	15.0	12.1	12.3	8.9	9.8	7.7	8.0	8.0	9.3	8.3	5.9	7.4	10.5	11.7	5.9	15.0	9.1																	
	SE	SSE	SSE	SSE	SSE	SSE	S	S	SSW	S	SSW	SSW	SSW	SSW	SSW	S	S	S	SSW	S	S	SSE	SSE	SSE	181(S)	15.0	9.1																	
Jun 21	9.7	11.0	8.7	4.8	7.0	6.0	4.6	5.9	3.4	3.6	4.3	7.4	5.8	7.9	10.2	9.6	7.9	6.9	7.9	8.5	4.9	5.5	8.0	10.3	3.4	11.0	7.1																	
	SE	SE	SE	SE	SE	ESE	SE	SE	SE	SE	S	WSW	W	WNW	WSW	W	W	WSW	SW	WSW	WSW	E	ESE	SE	185(S)	11.0	7.1																	
Jun 22	9.0	7.1	8.5	10.1	9.6	6.2	7.3	5.4	6.8	4.1	8.4	8.1	9.3	11.1	11.4	13.0	10.8	8.1	5.8	7.7	12.7	12.7	13.0	12.3	4.1	13.0	9.1																	
	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	ESE	S	S	SSW	SSW	SSW	SSW	SE	SE	ESE	ESE	SE	SSE	155(SSE)	13.0	9.1																	
Jun 23	13.3	7.2	2.7	7.0	6.5	2.7	4.5	8.6	6.5	3.5	5.2	7.3	7.1	5.6	7.0	2.2	4.7	5.1	16.5	14.0	8.1	8.3	11.2	11.4	2.2	16.5	7.3																	
	SSW	SSE	S	ENE	NE	ENE	NNE	NNE	NNE	NNE	NNW	W	WNW	NNW	E	NNE	SE	W	SW	SSW	SSW	SW	SW	SW	228(SW)	16.5	7.3																	
Jun 24	11.2	10.8	11.4	11.4	11.0	12.4	11.8	11.5	10.8	8.9	8.1	7.6	9.9	11.8	12.3	10.6	11.4	8.7	7.2	8.2	8.2	5.1	5.2	6.2	5.1	12.4	9.7																	
	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	289(WNW)	12.4	9.7																
Jun 25	7.3	6.2	6.0	6.2	5.7	5.6	5.6	P	P	P	P	P	P	11.3	10.3	6.0	7.5	6.7	6.9	7.5	5.0	3.9	1.8	4.7	1.8	11.3	6.4																	
	N	NNW	NNW	NNW	NNW	NNW	NNW	P	P	P	P	P	P	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	SSE	ESE	ESE	343(NNW)	11.3	6.4																	
Jun 26	7.8	6.5	8.6	8.2	8.5	7.9	5.9	6.3	9.6	11.5	12.7	10.0	9.4	10.2	9.8	9.9	11.4	14.4	12.2	10.3	7.8	6.3	5.3	6.6	5.3	14.4	9.0																	
	ESE	ESE	SE	ESE	ESE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	E	ESE	ENE	ENE	ENE	ENE	ENE	NE	E	E	ENE	80(E)	14.4	9.0																	
Jun 27	7.3	7.3	9.3	9.2	8.4	9.1	7.8	9.9	13.2	15.0	14.6	12.3	13.4	11.7	11.1	11.3	13.9	12.1	11.8	15.4	9.0	10.0	10.5	9.7	7.3	15.4	11.0																	
	ENE	ENE	ENE	E	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NNE	NNE	NE	NE	NE	55(NE)	15.4	11.0																	
Jun 28	10.7	9.7	8.3	8.6	7.5	7.1	7.6	6.9	5.3	6.9	6.9	6.7	5.7	6.2	3.5	2.9	3.8	4.6	5.8	8.5	4.7	3.8	7.0	9.7	2.9	10.7	6.6																	
	NE	ENE	NE	ENE	NE	ENE	ENE	ENE	NE	NE	NNE	N	E	E	SE	E	SE	E	ENE	ENE	E	ESE	S	SE	71(ENE)	10.7	6.6																	
</																																												

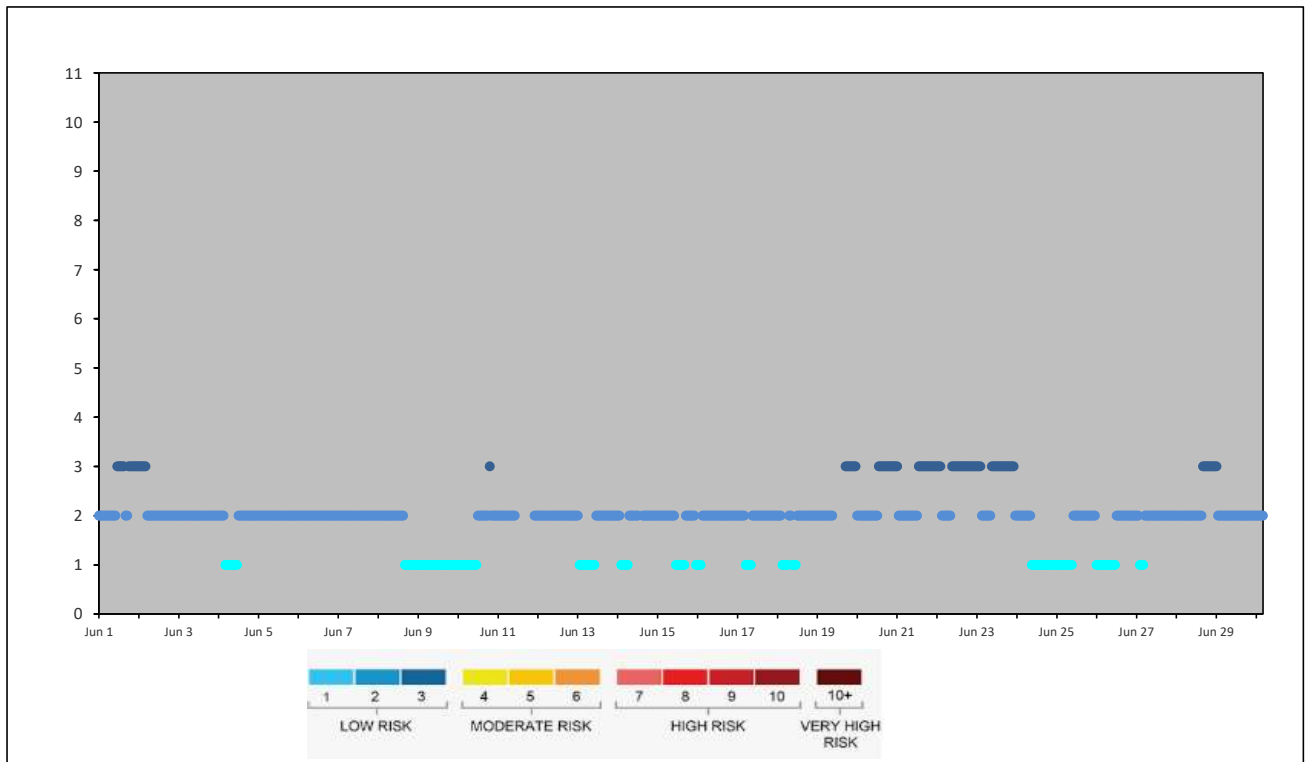
AQHI GRIMSHAW STATION

LAKELAND INDUSTRY & COMMUNITY ASSOCIATION

AQHI - Grimshaw Station - June 2024

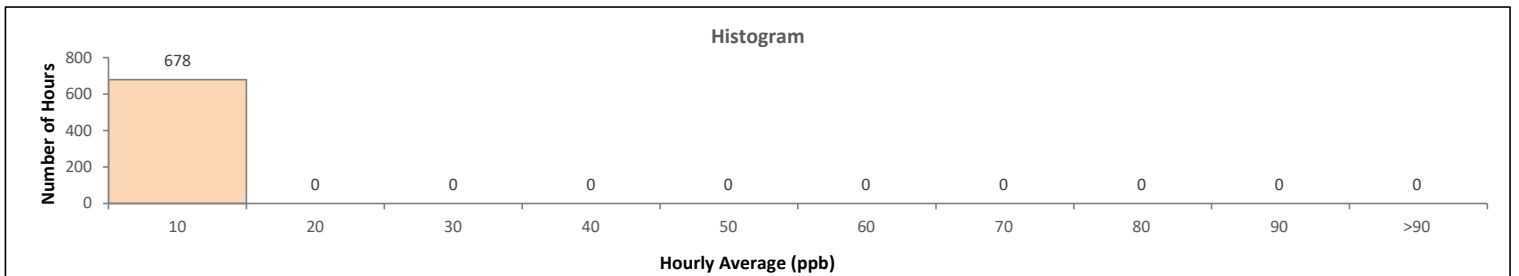
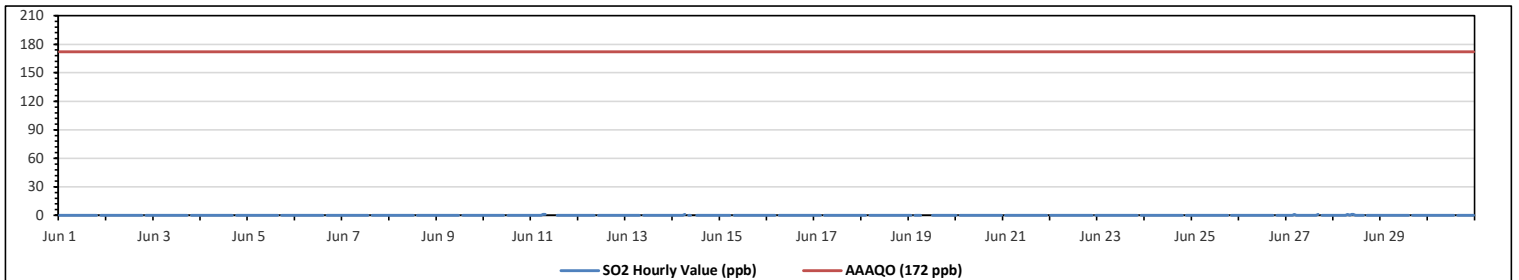
AIR QUALITY HEALTH INDEX

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
Jun 1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	3	3	3	3	3	3
Jun 2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 4	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
Jun 5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
Jun 9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Jun 10	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	2	2
Jun 11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 13	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 14	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 15	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	1
Jun 16	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 17	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 18	2	2	2	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
Jun 19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
Jun 20	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
Jun 21	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
Jun 22	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Jun 23	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
Jun 24	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Jun 25	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 26	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
Jun 27	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
Jun 29	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun 30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2



Peace River Area Monitoring Program
AQHI - Grimshaw Station - June 2024
Summary of Hourly Averages
SULPHUR DIOXIDE (SO₂) 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 Jun 11 at hr 6					Hours in Service:					720														
Maximum Daily Value:					0.1 ppb on Jun 28					Hours of Data:					678														
Minimum Hourly Value:					0 ppb on Jun 1 at hr 0					Hours of Missing Data:					2														
Minimum Daily Value:					0.0 ppb on Jun 1					Hours of Calibration:					40														
Monthly Average:					0.0 ppb					Operational Uptime:					99.7														
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average		
Jun 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		
Jun 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		
Jun 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		
Jun 4	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		
Jun 5	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		
Jun 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		
Jun 7	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		
Jun 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		
Jun 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		
Jun 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		
Jun 11	0	0	0	0	0	1	1	C	C	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1		
Jun 12	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		
Jun 13	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		
Jun 14	0	0	0	0	0	0	1	S	0	0	P	P	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0			
Jun 15	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		
Jun 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		
Jun 17	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		
Jun 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		
Jun 19	0	0	S	0	0	0	0	0	Q	Q	Q	Q	Q	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0		
Jun 20	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		
Jun 21	S	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		
Jun 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		
Jun 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		
Jun 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		
Jun 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		
Jun 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		
Jun 27	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	1	0.1		
Jun 28	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	S	0	0	0	0	0	0	0	0	0	1	0.1		
Jun 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		
Jun 30	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	1	0	1	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
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.																													

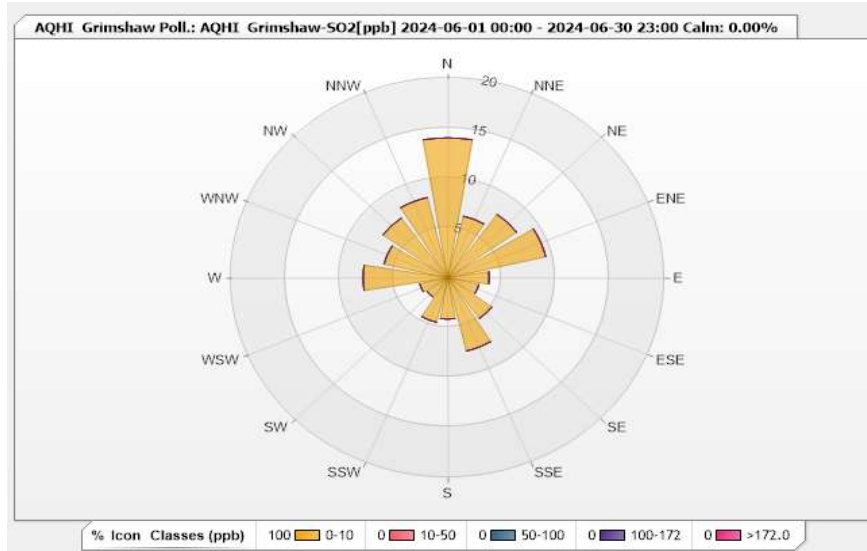


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-SO2[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.17% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	14.01	0	0	0	0	14.01
NNE	6.34	0	0	0	0	6.34
NE	7.82	0	0	0	0	7.82
ENE	9.29	0	0	0	0	9.29
E	3.83	0	0	0	0	3.83
ESE	2.95	0	0	0	0	2.95
SE	5.01	0	0	0	0	5.01
SSE	7.52	0	0	0	0	7.52
S	4.13	0	0	0	0	4.13
SSW	4.57	0	0	0	0	4.57
SW	2.36	0	0	0	0	2.36
WSW	2.65	0	0	0	0	2.65
W	7.82	0	0	0	0	7.82
WNW	6.05	0	0	0	0	6.05
NW	7.37	0	0	0	0	7.37
NNW	8.26	0	0	0	0	8.26
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

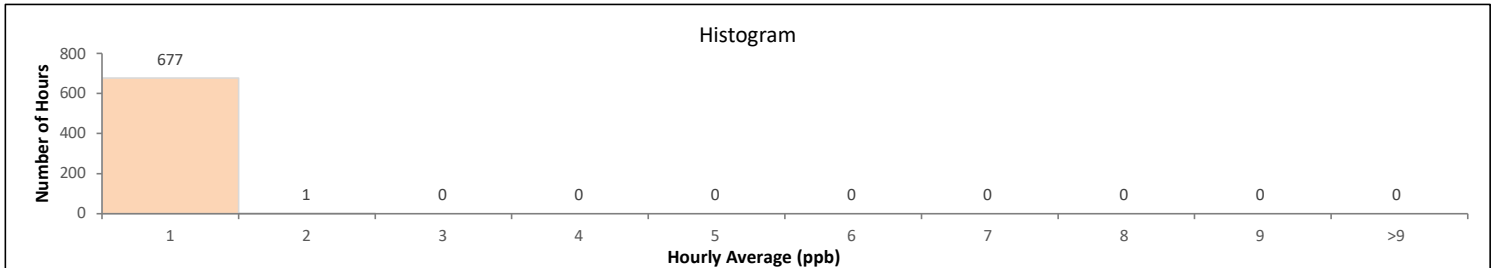
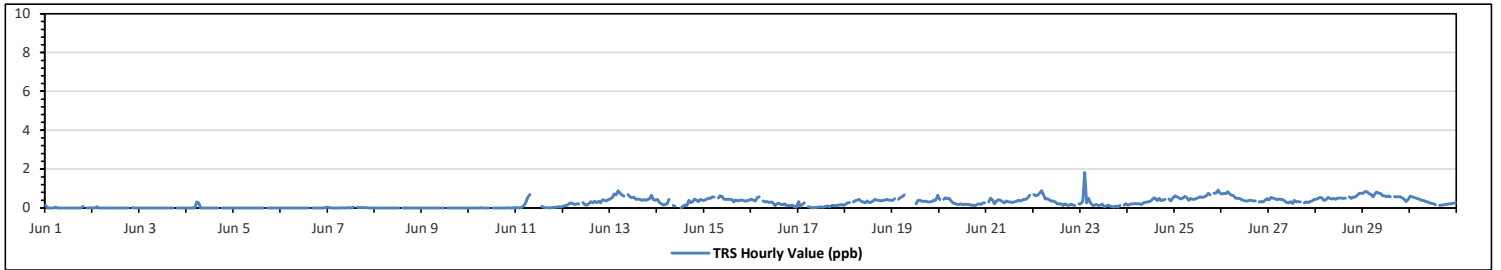
Maximum Hourly Value:	1.83	ppb	on Jun 23 at hr 2	Hours in Service:	720
Maximum Daily Value:	0.63	ppb	on Jun 29	Hours of Data:	678
Minimum Hourly Value:	0.00	ppb	on Jun 1 at hr 1	Hours of Missing Data:	2
Minimum Daily Value:	0.00	ppb	on Jun 3	Hours of Calibration:	40
Monthly Average:	0.24	ppb		Operational Uptime:	99.7

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average	
Jun 1	0.12	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	S	0	0	0.01	0.00	0.12	0.01	
Jun 2	0	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0.01	0	0	0	0.00	0.06	0.00	
Jun 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	0.00	0.00	0.00	
Jun 4	0	0	0	0	0	0.31	0.26	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.00	0.31	0.02	
Jun 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.00	0.00	0.00	
Jun 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.02	0.00	0.02	0.00	
Jun 7	0.02	0.01	0	0	0	0	0	0.01	0	0	0.01	0.01	0	0.04	S	0.02	0.01	0.02	0.01	0.01	0.01	0	0	0	0.00	0.04	0.01	
Jun 8	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Jun 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	0.00	0.00	0.00	
Jun 10	0	0	0	0	0	0	0.01	0	0	0	0	0	0	S	0	0	0	0	0	0	0.01	0	0	0	0.00	0.01	0.00	
Jun 11	0.01	0.01	0	0.03	0.12	0.31	0.55	0.68	C	C	C	C	C	C	0.07	0.02	0.01	0.01	0	0.01	0.02	0.02	0.04	0.06	0.05	0.00	0.68	0.11
Jun 12	0.09	0.11	0.15	0.23	0.26	0.2	0.18	0.21	0.2	S	0.28	0.16	0.15	0.22	0.33	0.25	0.34	0.28	0.34	0.27	0.42	0.4	0.36	0.42	0.09	0.42	0.25	
Jun 13	0.46	0.54	0.72	0.67	0.88	0.74	0.65	0.6	S	0.68	0.57	0.53	0.55	0.44	0.46	0.43	0.4	0.42	0.38	0.43	0.46	0.65	0.42	0.38	0.38	0.88	0.54	
Jun 14	0.45	0.28	0.23	0.14	0.17	0.2	0.45	S	0.13	0.09	P	P	0	0.08	0.14	0.13	0.38	0.28	0.33	0.46	0.38	0.33	0.44	0.39	0.00	0.46	0.26	
Jun 15	0.4	0.43	0.48	0.48	0.56	0.55	S	0.51	0.61	0.59	0.44	0.43	0.45	0.44	0.42	0.3	0.41	0.36	0.38	0.41	0.37	0.34	0.38	0.4	0.30	0.61	0.44	
Jun 16	0.46	0.38	0.36	0.54	0.57	S	0.36	0.31	0.33	0.28	0.3	0.25	0.11	0.22	0.24	0.17	0.17	0.2	0.1	0.12	0.11	0.14	0.04	0.04	0.04	0.57	0.25	
Jun 17	0.33	0.08	0.17	0.25	S	0.06	0.05	0	0.02	0.01	0.03	0.05	0.05	0.04	0.07	0.09	0.06	0.13	0.13	0.09	0.14	0.14	0.17	0.13	0.00	0.33	0.10	
Jun 18	0.18	0.26	0.28	S	0.3	0.37	0.41	0.45	0.34	0.31	0.26	0.36	0.28	0.29	0.35	0.44	0.38	0.39	0.35	0.38	0.4	0.45	0.41	0.4	0.18	0.45	0.35	
Jun 19	0.38	0.47	S	0.45	0.54	0.59	0.67	Q	Q	Q	Q	Q	Q	0.22	0.39	0.38	0.34	0.34	0.34	0.3	0.31	0.32	0.4	0.4	0.65	0.22	0.67	0.42
Jun 20	0.42	S	0.43	0.53	0.47	0.48	0.34	0.24	0.23	0.18	0.17	0.21	0.16	0.19	0.17	0.18	0.14	0.14	0.11	0.18	0.21	0.17	0.26	0.26	0.11	0.53	0.26	
Jun 21	S	0.31	0.5	0.41	0.22	0.35	0.42	0.4	0.33	0.27	0.35	0.3	0.3	0.28	0.31	0.33	0.4	0.36	0.4	0.44	0.45	0.54	0.66	S	0.22	0.66	0.38	
Jun 22	0.69	0.63	0.66	0.74	0.89	0.68	0.46	0.47	0.41	0.34	0.36	0.3	0.2	0.22	0.2	0.12	0.21	0.15	0.13	0.19	0.14	0.13	S	0.22	0.12	0.89	0.37	
Jun 23	0.2	0.34	1.83	0.27	0.48	0.27	0.13	0.15	0.17	0.12	0.14	0.19	0.06	0.1	0.15	0.1	0.06	0.04	0.09	0.03	0.13	S	0.14	0.2	0.03	1.83	0.23	
Jun 24	0.14	0.17	0.2	0.21	0.23	0.22	0.2	0.18	0.26	0.29	0.3	0.32	0.37	0.5	0.51	0.37	0.48	0.37	0.41	0.44	S	0.46	0.36	0.52	0.14	0.52	0.33	
Jun 25	0.62	0.58	0.52	0.46	0.51	0.59	0.55	0.38	0.49	0.45	0.44	0.48	0.52	0.56	0.54	0.57	0.63	0.75	0.67	S	0.74	0.74	0.91	0.74	0.38	0.91	0.58	
Jun 26	0.72	0.73	0.73	0.84	0.72	0.66	0.63	0.5	0.49	0.49	0.42	0.4	0.36	0.35	0.39	0.4	0.36	0.35	S	0.3	0.32	0.31	0.38	0.47	0.30	0.84	0.49	
Jun 27	0.41	0.54	0.51	0.47	0.42	0.46	0.44	0.42	0.36	0.28	0.27	0.33	0.23	0.38	0.31	0.32	0.3	S	0.27	0.31	0.28	0.33	0.35	0.43	0.23	0.54	0.37	
Jun 28	0.45	0.49	0.54	0.53	0.4	0.41	0.54	0.48	0.46	0.49	0.44	0.5	0.5	0.5	0.49	0.5	S	0.57	0.48	0.55	0.55	0.65	0.74	0.76	0.40	0.76	0.52	
Jun 29	0.74	0.84	0.83	0.73	0.7	0.56	0.72	0.82	0.75	0.73	0.62	0.63	0.57	0.62	0.57	S	0.58	0.56	0.56	0.58	0.5	0.44	0.33	0.45	0.33	0.84	0.63	
Jun 30	0.6	0.57	0.54	0.5	0.47	0.44	0.4	0.37	0.33	0.3	0.27	0.23	0.2	0.16	S	0.13	0.15	0.16	0.18	0.19	0.21	0.22	0.24	0.26	0.13	0.60	0.31	
Diurnal Maximum	0.74	0.84	1.83	0.84	0.89	0.74	0.72	0.82	0.75	0.73	0.62	0.63	0.57	0.62	0.57	0.57	0.63	0.75	0.67	0.58	0.74	0.74	0.91	0.76				
Diurnal Average	0.27	0.27	0.34	0.29	0.31	0.29	0.29	0.26	0.22	0.22	0.21	0.22	0.19	0.21	0.22	0.19	0.21	0.21	0.20	0.21	0.22	0.24	0.24	0.25				

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.

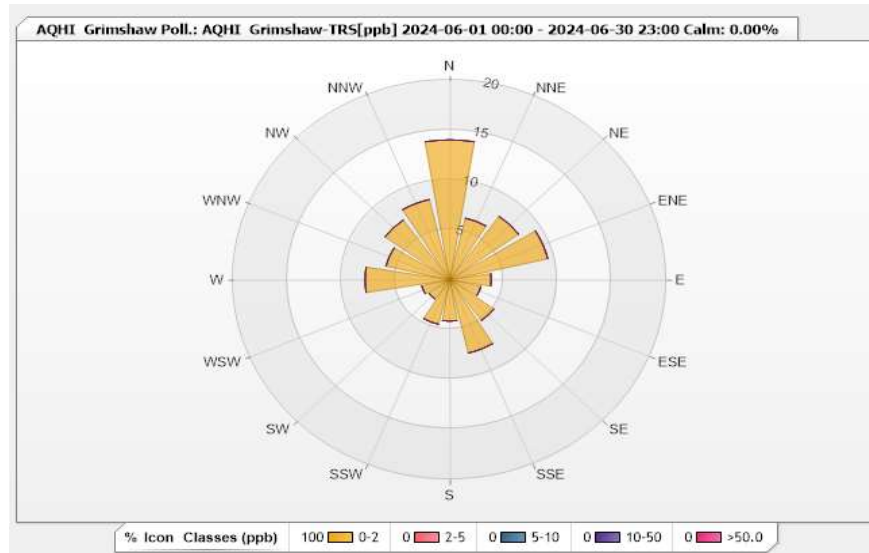


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-TRS[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.17% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	14.01	0	0	0	0	14.01
NNE	6.34	0	0	0	0	6.34
NE	7.82	0	0	0	0	7.82
ENE	9.29	0	0	0	0	9.29
E	3.83	0	0	0	0	3.83
ESE	2.95	0	0	0	0	2.95
SE	5.01	0	0	0	0	5.01
SSE	7.52	0	0	0	0	7.52
S	4.13	0	0	0	0	4.13
SSW	4.57	0	0	0	0	4.57
SW	2.36	0	0	0	0	2.36
WSW	2.65	0	0	0	0	2.65
W	7.82	0	0	0	0	7.82
WNW	6.05	0	0	0	0	6.05
NW	7.37	0	0	0	0	7.37
NNW	8.26	0	0	0	0	8.26
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

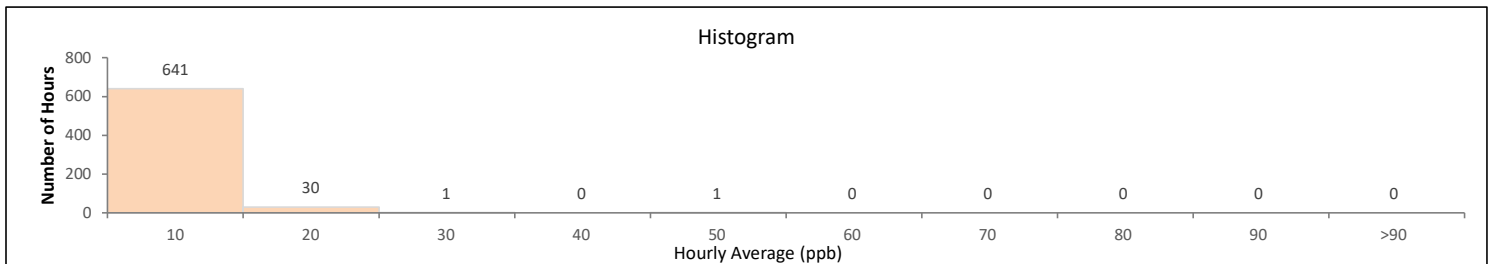
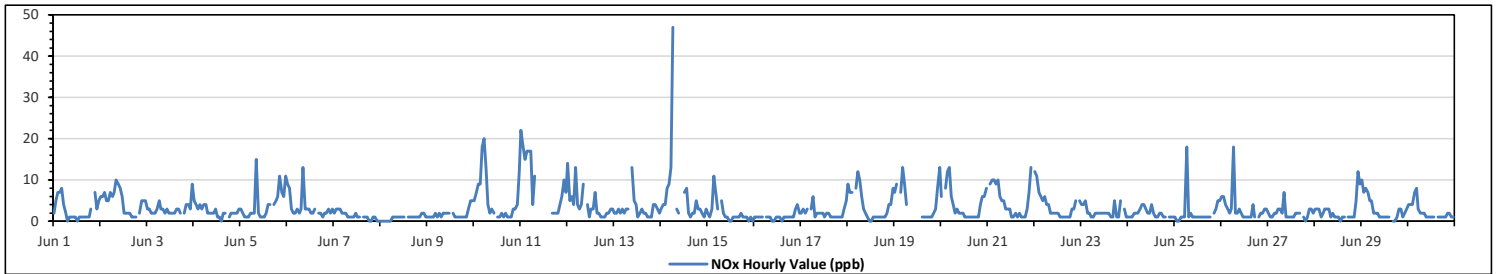
OXIDES OF NITROGEN (NOx) in ppb

Maximum Hourly Value:	47	ppb	on Jun 14 at hr 6	Hours in Service:	720
Maximum Daily Value:	6.3	ppb	on Jun 14	Hours of Data:	673
Minimum Hourly Value:	0	ppb	on Jun 1 at hr 7	Hours of Missing Data:	2
Minimum Daily Value:	0.8	ppb	on Jun 8	Hours of Calibration:	45
Monthly Average:	3.2	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			
Jun 1	2	5	7	7	8	4	2	0	1	1	1	0	1	1	1	1	1	1	1	3	S	7	3	5	0	8	2.7
Jun 2	6	6	7	5	5	7	6	7	10	9	8	6	2	2	2	2	1	1	1	S	2	5	5	5	1	10	4.8
Jun 3	3	3	2	2	2	3	5	3	3	2	3	2	2	2	2	3	3	2	S	2	4	4	3	9	2	9	3.0
Jun 4	5	4	3	4	3	4	4	2	2	2	2	3	1	1	0	2	2	S	1	2	2	2	2	3	0	5	2.4
Jun 5	3	2	1	1	1	2	2	2	15	2	1	1	1	2	4	4	S	4	5	6	11	7	6	11	1	15	4.1
Jun 6	9	8	3	2	2	3	2	3	13	3	3	3	2	2	3	S	S	2	2	1	2	3	2	3	1	13	3.4
Jun 7	2	3	3	3	2	2	2	1	1	1	1	2	1	1	S	1	1	1	0	0	1	1	0	0	0	3	1.3
Jun 8	0	0	0	0	0	0	1	1	1	1	1	1	1	S	1	1	1	1	1	1	1	2	2	1	0	2	0.8
Jun 9	1	1	1	1	1	2	1	2	2	2	2	S	2	1	1	1	1	1	1	1	1	3	5	5	1	5	1.7
Jun 10	5	7	9	9	18	20	13	4	2	3	2	S	1	1	2	1	2	1	1	1	3	3	4	12	1	20	5.4
Jun 11	22	18	15	17	17	17	4	11	C	C	C	C	C	C	C	C	2	2	2	2	4	6	10	7	2	22	NA
Jun 12	14	5	6	4	13	4	3	4	9	S	4	1	3	3	7	2	2	1	1	1	2	2	3	3	1	14	4.2
Jun 13	2	2	3	2	3	2	3	3	S	13	5	4	1	2	3	2	2	1	1	1	4	4	3	2	1	13	3.0
Jun 14	3	4	4	8	9	13	47	S	3	2	P	P	7	8	2	1	2	2	5	3	3	2	1	3	1	47	6.3
Jun 15	2	1	3	11	7	3	S	5	2	1	1	0	0	1	1	1	1	2	1	1	1	0	1	0	0	11	2.0
Jun 16	1	1	1	1	1	S	1	1	1	0	0	1	1	1	0	1	1	1	1	1	1	3	4	2	0	4	1.1
Jun 17	2	3	2	3	S	3	6	1	2	2	2	2	1	2	2	1	1	1	1	1	1	1	3	5	1	6	2.1
Jun 18	9	7	7	S	8	12	10	6	3	2	1	0	0	1	1	1	1	1	1	1	2	4	8	8	0	12	3.9
Jun 19	7	9	S	7	13	9	4	Q	Q	Q	Q	Q	Q	Q	1	1	1	1	1	1	2	3	8	13	1	13	NA
Jun 20	6	S	8	12	13	6	4	2	3	2	2	2	1	1	1	1	1	1	1	1	4	6	6	8	1	13	4.0
Jun 21	S	9	10	10	9	10	6	5	5	3	3	3	1	1	2	1	2	1	1	1	3	7	13	S	1	13	4.8
Jun 22	12	11	7	6	5	6	4	4	2	2	2	2	2	2	1	1	1	1	1	3	5	S	5	5	1	12	3.8
Jun 23	4	4	5	2	2	1	1	2	2	2	2	2	2	2	2	1	1	5	1	5	S	3	1	1	1	5	2.3
Jun 24	1	1	1	2	2	2	3	4	4	3	2	2	4	2	1	1	2	2	1	1	S	1	1	1	1	4	1.9
Jun 25	1	0	0	1	1	1	18	1	2	1	1	1	1	1	1	1	1	1	1	S	2	3	5	5	0	18	2.2
Jun 26	6	6	4	3	2	3	18	2	2	3	2	1	1	1	1	1	4	1	S	1	2	2	3	3	1	18	3.1
Jun 27	2	1	1	2	2	3	3	2	7	1	1	1	1	1	2	2	2	S	1	0	1	3	3	2	0	7	1.9
Jun 28	3	3	3	1	2	3	3	3	1	2	1	1	1	0	1	1	S	1	1	1	1	5	12	9	0	12	2.6
Jun 29	10	7	8	7	5	5	2	2	2	1	1	1	1	1	1	S	0	0	1	3	3	1	2	3	0	10	2.9
Jun 30	4	4	4	7	8	3	2	2	2	1	1	1	1	1	S	1	1	1	1	1	2	2	1	1	1	8	2.3
Diurnal Maximum	22	18	15	17	18	20	47	11	15	13	8	6	7	8	7	4	4	5	5	6	11	7	13	13			
Diurnal Average	5.1	4.7	4.4	4.8	5.7	5.2	6.2	3.0	3.8	2.5	2.0	1.8	1.5	1.6	1.7	1.4	1.5	1.4	1.3	1.5	2.6	3.3	4.1	4.7			

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

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.

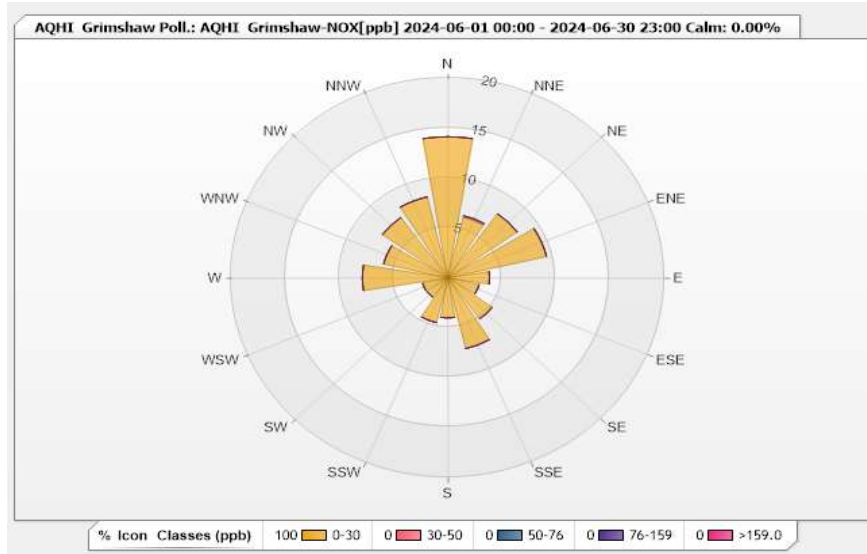


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NOX[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 93.47% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	14.12	0	0	0	0	14.12
NNE	6.24	0.15	0	0	0	6.39
NE	7.88	0	0	0	0	7.88
ENE	9.36	0	0	0	0	9.36
E	3.86	0	0	0	0	3.86
ESE	2.97	0	0	0	0	2.97
SE	5.05	0	0	0	0	5.05
SSE	7.28	0	0	0	0	7.28
S	4.01	0	0	0	0	4.01
SSW	4.61	0	0	0	0	4.61
SW	2.38	0	0	0	0	2.38
WSW	2.38	0	0	0	0	2.38
W	7.88	0	0	0	0	7.88
WNW	6.09	0	0	0	0	6.09
NW	7.43	0	0	0	0	7.43
NNW	8.32	0	0	0	0	8.32
Summary	100	0.15	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

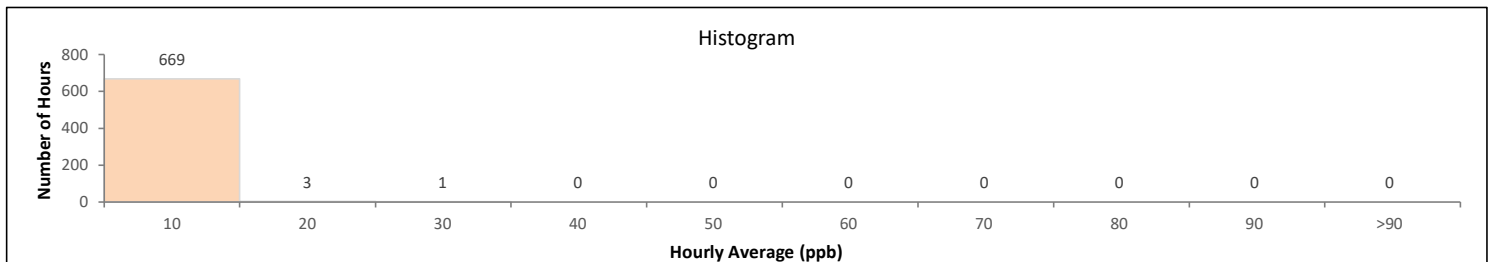
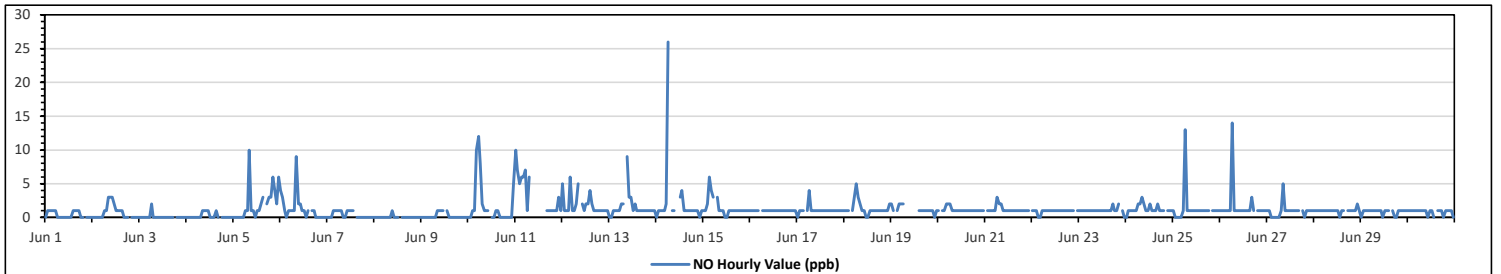
NITRIC OXIDE (NO) in ppb

Maximum Hourly Value:	26	ppb	on Jun 14 at hr 6	Hours in Service:	720
Maximum Daily Value:	2.4	ppb	on Jun 14	Hours of Data:	673
Minimum Hourly Value:	0	ppb	on Jun 1 at hr 0	Hours of Missing Data:	2
Minimum Daily Value:	0.0	ppb	on Jun 8	Hours of Calibration:	45
Monthly Average:	1.1	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				
Jun 1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	S	0	0	0	0	0	1	0.4
Jun 2	0	0	0	0	0	0	1	1	3	3	3	2	1	1	1	1	0	0	0	0	S	0	0	0	0	0	3	0.7
Jun 3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	2	0.1
Jun 4	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	S	0	0	0	0	0	0	0	0	1	0.2
Jun 5	0	0	0	0	0	0	1	1	10	1	1	0	1	1	2	3	S	2	3	3	6	4	2	6	0	10	2.0	
Jun 6	4	3	1	0	1	1	1	1	9	2	2	1	1	0	1	S	1	1	0	0	0	0	0	0	0	0	9	1.3
Jun 7	0	0	0	1	1	1	1	1	0	0	1	1	1	1	S	0	0	0	0	0	0	0	0	0	0	0	1	0.4
Jun 8	0	0	0	0	0	0	0	0	0	0	1	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jun 9	0	0	0	0	0	0	0	0	1	1	1	1	S	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
Jun 10	0	0	1	1	10	12	8	2	1	1	1	S	0	0	1	1	0	0	0	0	0	0	0	5	0	12	1.9	
Jun 11	10	7	5	6	6	7	1	6	C	C	C	C	C	C	C	C	1	1	1	1	1	1	3	1	1	10	NA	
Jun 12	5	1	1	1	6	1	1	2	5	S	2	1	2	2	4	2	1	1	1	1	1	1	1	1	1	6	1.9	
Jun 13	0	0	1	1	1	1	2	2	S	9	3	3	1	2	1	1	1	1	1	1	1	1	1	1	0	9	1.6	
Jun 14	0	1	1	1	1	2	26	S	1	1	P	P	3	4	1	1	1	1	1	1	1	1	0	1	0	26	2.4	
Jun 15	1	1	2	6	4	3	S	3	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	6	1.5	
Jun 16	1	1	1	1	1	S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	
Jun 17	0	1	1	1	S	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	4	1.1	
Jun 18	1	1	1	S	1	3	5	3	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	0	5	1.3	
Jun 19	2	1	S	1	2	2	2	Q	Q	Q	Q	Q	Q	Q	1	1	1	1	1	1	1	1	0	1	0	2	NA	
Jun 20	1	S	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1.1	
Jun 21	S	1	1	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	S	1	3	1.2	
Jun 22	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	S	1	0	1	0.9		
Jun 23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	S	1	0	0	2	1.0	
Jun 24	0	1	1	1	1	1	2	2	3	2	1	1	2	1	1	2	1	1	1	1	S	1	1	1	0	3	1.3	
Jun 25	1	0	0	0	0	1	13	1	1	1	1	1	1	1	1	1	1	1	1	S	1	1	1	1	0	13	1.3	
Jun 26	1	1	1	1	1	1	14	1	1	1	1	1	1	1	1	1	3	1	S	1	1	1	1	1	1	14	1.7	
Jun 27	1	1	0	0	0	0	0	1	5	1	1	1	1	1	1	1	1	S	1	0	1	1	1	1	0	5	0.9	
Jun 28	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	S	1	1	1	1	2	1	0	2	1.0	
Jun 29	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	S	1	0	0	1	1	1	1	1	0	1	0.8	
Jun 30	1	1	1	1	1	1	1	1	1	1	0	1	1	0	S	1	1	1	0	1	1	1	1	0	0	1	0.8	
Diurnal Maximum	10	7	5	6	10	12	26	6	10	9	3	3	3	4	4	3	3	2	3	3	6	4	3	6				
Diurnal Average	1.1	0.9	0.9	1.0	1.5	1.6	3.3	1.3	2.0	1.3	1.1	0.8	0.9	0.9	1.0	1.0	0.9	0.8	0.7	0.8	0.9	0.8	0.8	1.0				

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

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.

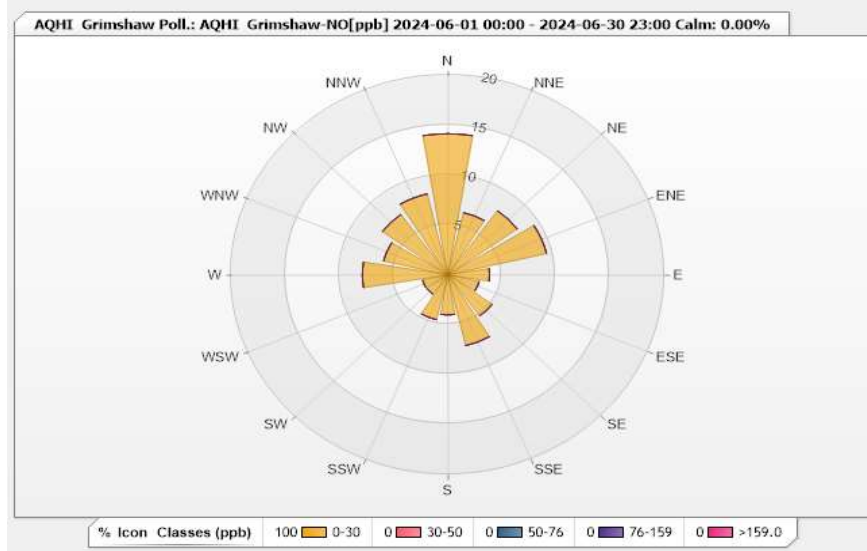


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 93.47% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	14.12	0	0	0	0	14.12
NNE	6.39	0	0	0	0	6.39
NE	7.88	0	0	0	0	7.88
ENE	9.36	0	0	0	0	9.36
E	3.86	0	0	0	0	3.86
ESE	2.97	0	0	0	0	2.97
SE	5.05	0	0	0	0	5.05
SSE	7.28	0	0	0	0	7.28
S	4.01	0	0	0	0	4.01
SSW	4.61	0	0	0	0	4.61
SW	2.38	0	0	0	0	2.38
WSW	2.38	0	0	0	0	2.38
W	7.88	0	0	0	0	7.88
WNW	6.09	0	0	0	0	6.09
NW	7.43	0	0	0	0	7.43
NNW	8.32	0	0	0	0	8.32
Summary	100	0	0	0	0	100



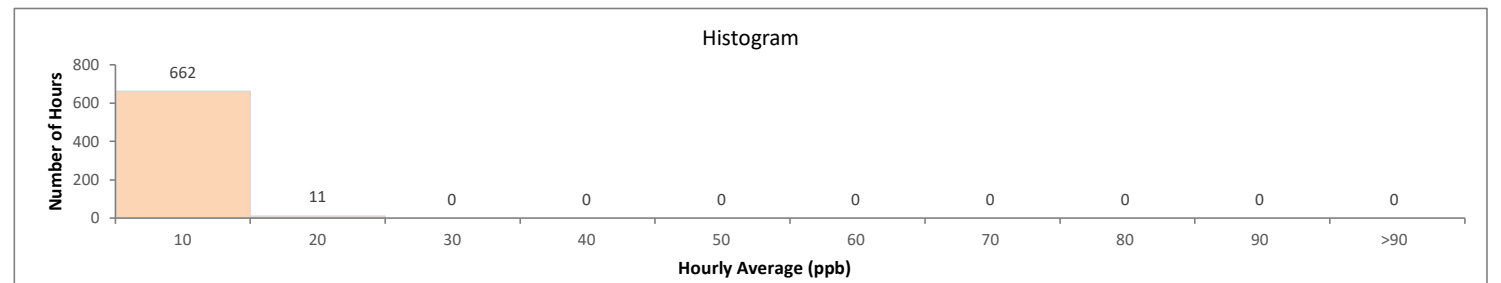
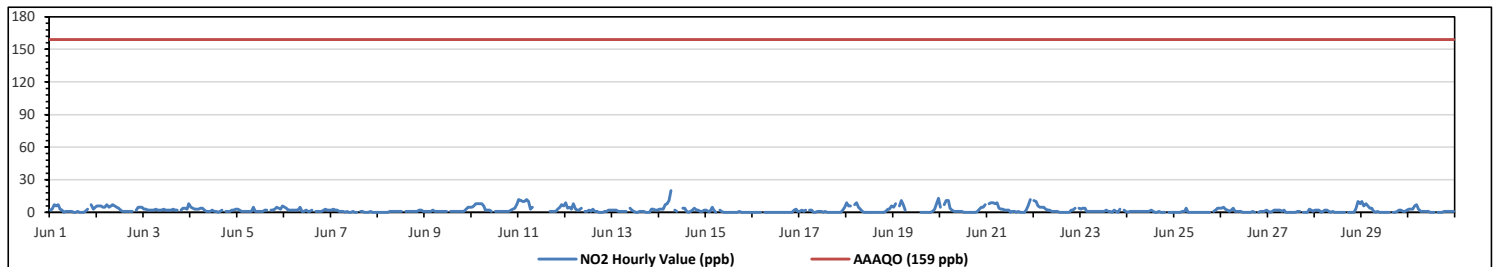
Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

NITROGEN DIOXIDE (NO₂) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 159 ppb																																				
Number of 1-Hour Exceedances: 0																																				
Maximum Hourly Value: 20 ppb on Jun 14 at hr 6														Hours in Service: 720																						
Maximum Daily Value: 4.0 ppb on Jun 2														Hours of Data: 673																						
Minimum Hourly Value: 0 ppb on Jun 1 at hr 7														Hours of Missing Data: 2																						
Minimum Daily Value: 0.3 ppb on Jun 16														Hours of Calibration: 45																						
Monthly Average: 2.1 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												
Jun 1	2	3	7	6	7	3	2	0	1	1	1	1	0	0	1	0	0	0	1	3	S	7	3	5	0	7	2.3									
Jun 2	6	6	6	5	5	7	5	6	7	6	5	4	2	1	1	1	1	1	1	S	2	5	5	5	1	7	4.0									
Jun 3	3	3	2	2	2	2	3	2	2	2	3	2	2	2	2	3	2	2	S	2	4	4	3	8	2	8	2.7									
Jun 4	5	4	3	3	3	4	4	2	1	1	1	2	1	1	0	1	2	S	1	1	1	2	2	3	0	5	2.1									
Jun 5	3	2	1	1	1	1	1	1	5	1	1	1	1	1	2	2	S	2	2	3	5	4	3	6	1	6	2.2									
Jun 6	5	4	2	2	2	2	2	2	5	1	1	2	1	1	2	S	1	1	1	1	2	3	2	2	1	5	2.0									
Jun 7	2	3	2	2	1	1	1	0	1	0	0	1	0	0	S	1	1	0	0	0	1	0	0	0	0	3	0.7									
Jun 8	0	0	0	0	0	0	1	1	1	1	1	1	1	S	1	1	1	1	1	1	1	2	2	1	0	2	0.8									
Jun 9	1	1	1	1	2	1	1	1	1	1	1	1	S	1	1	1	1	1	1	1	1	3	5	5	1	5	1.5									
Jun 10	5	6	8	8	8	8	6	2	2	2	1	S	1	1	1	1	1	1	1	1	2	3	4	7	1	8	3.5									
Jun 11	12	11	10	10	12	10	3	5	C	C	C	C	C	C	C	C	1	1	1	1	3	5	7	6	1	12	NA									
Jun 12	9	4	5	3	8	3	2	2	4	S	1	1	2	1	3	1	1	0	0	0	1	1	2	2	0	9	2.4									
Jun 13	2	2	2	1	1	1	1	1	S	4	2	1	0	0	1	1	1	0	0	0	3	3	2	2	0	4	1.3									
Jun 14	3	3	3	7	8	11	20	S	2	1	P	P	4	4	1	0	1	2	4	2	2	1	1	2	0	20	3.9									
Jun 15	2	1	1	5	2	0	S	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.7									
Jun 16	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	0	3	0.3									
Jun 17	1	2	1	2	S	2	2	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	2	5	0	5	0.9									
Jun 18	9	6	6	S	7	9	5	3	1	0	0	0	0	0	0	0	0	0	0	0	1	3	3	6	0	9	2.6									
Jun 19	5	8	S	S	6	11	7	2	Q	Q	Q	Q	Q	Q	Q	0	0	0	0	0	0	1	3	8	13	0	13	NA								
Jun 20	5	S	8	7	11	11	4	2	1	1	1	1	0	0	0	0	0	0	0	1	3	5	5	7	0	11	2.9									
Jun 21	S	5	8	9	9	8	9	4	3	3	2	2	2	0	1	1	0	1	0	0	2	6	12	S	0	12	3.7									
Jun 22	11	10	6	5	5	5	3	2	2	1	1	1	1	0	0	0	0	0	0	2	2	4	S	4	0	11	2.8									
Jun 23	3	4	4	1	1	1	1	1	1	1	1	1	1	2	1	1	0	2	1	0	3	S	2	1	0	4	1.5									
Jun 24	0	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	1	0	0	0	S	0	0	0	0	2	0.7									
Jun 25	0	0	0	0	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	S	1	2	4	4	0	4	0.7									
Jun 26	4	5	3	2	1	2	4	1	1	1	1	0	0	0	0	0	1	0	S	0	1	1	1	2	0	5	1.3									
Jun 27	1	0	1	2	2	2	2	1	2	0	0	0	0	0	0	1	1	S	0	0	0	3	2	1	0	3	0.9									
Jun 28	2	2	2	0	1	2	2	1	0	1	0	0	0	0	0	0	S	0	0	0	0	4	10	8	0	10	1.5									
Jun 29	10	6	8	6	4	4	1	0	1	0	0	0	0	0	0	S	0	0	1	2	2	1	1	2	0	10	2.1									
Jun 30	3	3	3	6	7	3	1	1	1	1	1	0	0	0	S	0	0	0	1	1	1	1	1	1	0	7	1.6									
Diurnal Maximum	12	11	10	11	12	11	20	6	7	6	5	4	4	4	3	3	2	2	4	3	5	7	12	13												
Diurnal Average	3.9	3.7	3.6	3.7	4.2	3.7	3.0	1.5	1.7	1.1	1.0	0.9	0.7	0.7	0.7	0.6	0.6	0.5	0.6	0.8	1.6	2.7	3.3	3.8												
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.																																				

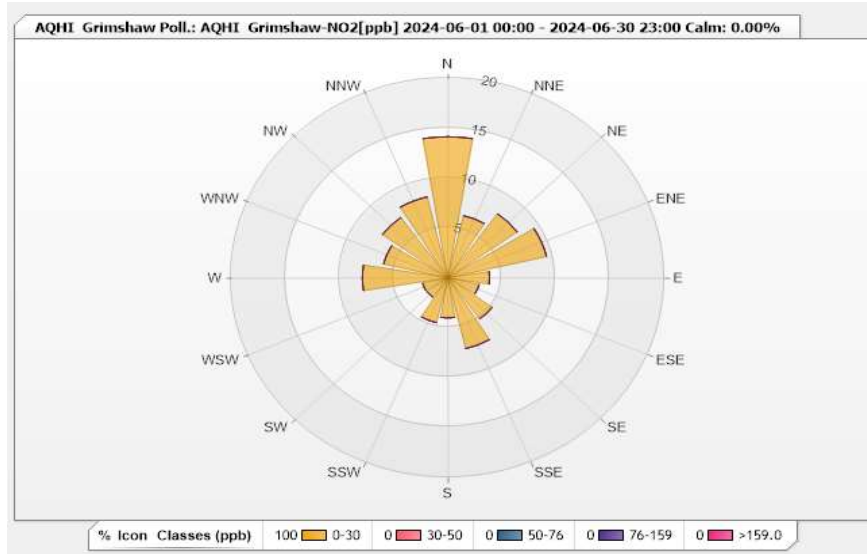


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO2[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 93.47% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	14.12	0	0	0	0	14.12
NNE	6.39	0	0	0	0	6.39
NE	7.88	0	0	0	0	7.88
ENE	9.36	0	0	0	0	9.36
E	3.86	0	0	0	0	3.86
ESE	2.97	0	0	0	0	2.97
SE	5.05	0	0	0	0	5.05
SSE	7.28	0	0	0	0	7.28
S	4.01	0	0	0	0	4.01
SSW	4.61	0	0	0	0	4.61
SW	2.38	0	0	0	0	2.38
WSW	2.38	0	0	0	0	2.38
W	7.88	0	0	0	0	7.88
WNW	6.09	0	0	0	0	6.09
NW	7.43	0	0	0	0	7.43
NNW	8.32	0	0	0	0	8.32
Summary	100	0	0	0	0	100



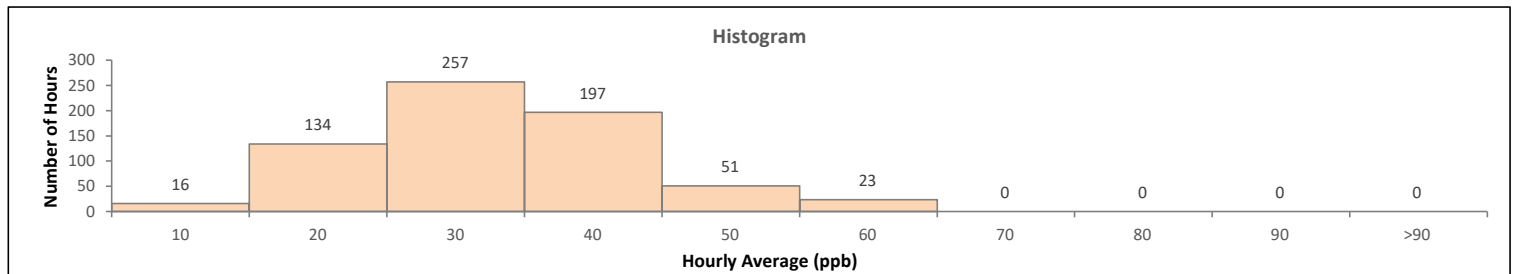
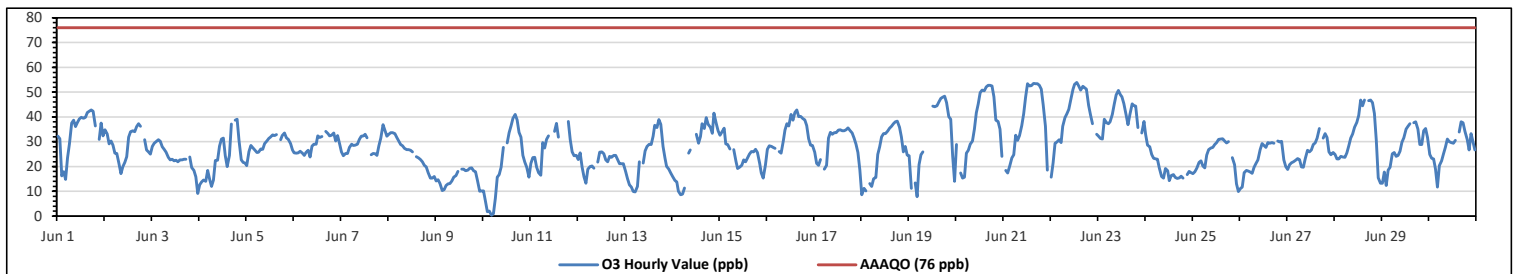
Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

OZONE (O₃) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 76 ppb																																
Number of 1-Hour Exceedances: 0																																
Maximum Hourly Value: 53.9 ppb on Jun 22 at hr 13														Hours in Service: 720																		
Maximum Daily Value: 40.7 ppb on Jun 22														Hours of Data: 678																		
Minimum Hourly Value: 0.4 ppb on Jun 10 at hr 4														Hours of Missing Data: 3																		
Minimum Daily Value: 15.2 ppb on Jun 9														Hours of Calibration: 39																		
Monthly Average: 28.0 ppb														Operational Uptime: 99.6																		
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								
Jun 1	32.3	31.2	16.2	17.9	14.8	23.5	29.1	37.5	38.7	36.1	37.8	39.2	39.8	39.4	39.9	41.8	42.3	42.8	42.3	36.4	S	30.9	37.5	32.4	14.8	42.8	33.9					
Jun 2	34.9	33.1	29.1	30.3	28.6	25.4	25.3	21.7	17.2	20	21.7	24	31.9	34.1	34.4	34	36.1	37.2	36.2	S	30.8	26.7	26	25	17.2	37.2	28.9					
Jun 3	28.1	29.4	30.2	30.8	30.2	28	26.9	25.8	23.7	22.7	22.9	22.2	22.5	21.9	22.6	22.6	23	22.9	S	23.9	19.6	18.4	15.8	9.2	9.2	30.8	23.6					
Jun 4	12.6	13.7	14.5	14	18.4	14.9	11.9	14.6	22.4	22.5	28.3	31	31.4	24.3	20	24.5	37.1	S	38.7	39.1	30.5	22.6	21.7	21.4	11.9	39.1	23.0					
Jun 5	20.3	26.1	28.5	27.6	26.5	25.7	25.8	27	26.9	29.3	30.3	31.3	31.8	32.8	32.6	32.9	S	30.8	32.6	33.5	31.6	30.9	29.2	26.6	20.3	33.5	29.2					
Jun 6	25.5	25.4	25.6	26.2	25.4	24.5	25.7	26.5	23.9	28.3	29	29	32.4	31.7	32.1	S	34.2	33.2	32.4	32.7	33.5	30.4	32.6	28.7	23.9	34.2	29.1					
Jun 7	25.9	24.3	25.3	25.2	27.7	29	28.5	28.6	29	30.9	32.3	32.4	33	31.6	S	24.7	25.3	25.1	24.4	28.4	31.5	36.9	34.6	32.3	24.3	36.9	29.0					
Jun 8	33	33.7	33.6	33.2	31.7	30.4	28.9	28.4	27.3	26.8	26.8	26.5	25.9	S	24	23.5	22.8	21.9	20.4	19.9	17.6	15.3	15.4	15.9	15.3	33.7	25.3					
Jun 9	14.2	14.7	13.1	10.3	10.7	12.3	13	13.2	14.2	15.7	16.4	18	S	19	19	18.3	18.5	19.4	19.5	18.3	17.9	14.4	10	10.2	10.0	19.5	15.2					
Jun 10	10.1	6	1.8	2	0.4	1	7.2	15.7	16.8	19.8	27.7	S	29.5	33.6	36.4	39.4	41.1	38.9	33.8	31.8	24.4	21.8	19.8	15.7	0.4	41.1	20.6					
Jun 11	21.3	23.6	23.8	19.7	17.5	16.5	29.6	27.4	30.9	32.4	S	K	34.2	37.4	31.9	C	C	C	C	38.2	30.8	26	24.3	24.4	16.5	38.2	27.2					
Jun 12	22.8	25.6	19.9	15.8	13.3	18.9	20	20.2	19.3	S	21.8	25.8	25.9	25.1	22.6	22	24.1	23.8	24.5	24.4	22.8	21.1	21.1	21.1	13.3	25.9	21.8					
Jun 13	18	15.1	12.6	11.7	9.9	9.8	12	21.9	S	21.4	26.3	28.1	29	28.9	32.2	36.6	35.7	39	37	28.2	23.5	20.1	18.9	17.4	9.8	39.0	23.2					
Jun 14	16	14.4	13.8	10	8.7	8.9	11.4	S	25.4	26.6	P	P	33	29.4	32.1	37.2	35.3	39.7	37	35.9	33.4	41.5	37.5	34.5	8.7	41.5	26.7					
Jun 15	32.7	33.9	35.5	29.1	28.8	27.1	S	26.8	22.1	19.2	19.8	20.5	22.6	22	23.8	25	26.1	26	26.9	25.7	21.3	17.4	15.4	20.6	15.4	35.5	24.7					
Jun 16	26.9	28.4	28.2	27.8	27.3	S	26.1	25.4	30.5	34.7	37.2	36.4	41.1	38.7	41.8	42.8	40.1	40.3	39.3	38.9	36.5	31.2	28.6	28.5	25.4	42.8	33.8					
Jun 17	25.8	21.3	20.4	22.8	S	18.9	20.4	31.5	33.8	33	33.7	33.6	34.7	34.8	34.5	34.4	34.9	35.6	34.4	33.5	31.4	29	25.7	18.7	18.7	35.6	29.4					
Jun 18	8.6	11.3	10.2	S	13.1	12	15.1	15.6	24.8	28	32	33.2	33.2	34.3	35.4	36.2	37.2	38.1	38.3	35.8	31.9	25.9	28.1	24.6	8.6	38.3	26.2					
Jun 19	24.3	11.3	S	13.4	7.8	20.7	24.7	26	Q	Q	Q	Q	44.3	44.1	44.5	46	47.5	47.9	48.4	45.7	40.1	39.1	24.3	14	7.8	48.4	32.3					
Jun 20	28.8	S	17.4	15.4	15.7	25.4	26.5	29	30.4	35	41.6	45.3	49.8	50.8	50.6	52.1	52.7	52.7	52.5	48.1	38.7	38.2	35	24.2	15.4	52.7	37.2					
Jun 21	S	18.4	17.4	20.5	23.5	24.7	32.7	30.6	32.6	36.5	41.3	47.9	53.4	52.5	52.6	53.5	53.4	53.4	52.7	51.2	44.9	36.3	18.5	S	17.4	53.5	38.6					
Jun 22	15.7	21.5	29.4	29.9	30.8	29.6	36.2	39.7	41.3	43.1	47.5	51.1	53.1	53.9	52.5	50.8	52.3	51.8	51.2	44.6	40.8	37.2	S	33	15.7	53.9	40.7					
Jun 23	32.4	31.3	31.1	39.1	37.6	37.3	38.1	41	45.2	48.9	50.7	49	48.1	45.5	40.9	36.9	41	45.3	44.6	44.4	35.7	S	33.5	38.2	31.1	50.7	40.7					
Jun 24	33	28.6	28	24.9	23.3	23.1	23	19.3	16	15.4	19.2	18.3	14.3	16.3	16.8	15.6	15.2	15.5	16.1	15.4	S	16.8	18	17.5	14.3	33.0	19.5					
Jun 25	17.1	17.9	19.4	21.7	22.2	20.2	19.5	24.6	26.8	27.4	27.8	28.9	29.6	30.9	31.1	31.2	30.4	29.5	30	S	23.6	20.7	13	9.9	9.9	31.2	24.1					
Jun 26	11.1	11.7	17.5	18.4	18.2	17.8	17.3	19.7	21.3	22.6	26.8	29.2	28.5	27.8	29.6	29.4	29.6	29.4	S	30.3	29.9	30.2	22.6	20	11.1	30.3	23.4					
Jun 27	18.8	20.7	21.6	22	22.5	23.2	22.8	19.9	19.8	23.2	26.5	26	26.6	28.8	29.5	31.5	35.3	S	31.4	33.3	31.7	26	24.7	25.7	18.8	35.3	25.7					
Jun 28	24.8	23.1	23.1	24.1	23.9	23.7	25.6	28.4	31.4	33.1	35.9	37.8	40.7	46.9	44.5	46.9	S	46.5	46.9	45.7	41.4	30.5	15.5	13.3	13.3	46.9	32.8					
Jun 29	13.3	17.8	12.3	18.5	19.8	25.1	25.7	24.2	24.4	26.2	29.8	31.6	35.1	36.2	37.2	S	37.6	38	35.1	28.8	28.8	34.4	35.3	31.7	12.3	38.0	28.1					
Jun 30	24.8	23.3	23.1	19	11.7	20.3	22.3	25.1	27.9	31	30	29.6	29.4	30.6	S	33.9	38.1	37.6	34.2	30.9	26.7	33.2	30	26.7	11.7	38.1	27.8					
Diurnal Maximum	34.9	33.9	35.5	39.1	37.6	37.3	38.1	41.0	45.2	48.9	50.7	51.1	53.4	53.9	52.6	53.5	53.4	53.4	52.7	51.2	44.9	41.5	37.5	38.2								
Diurnal Average	22.5	22.0	21.5	21.4	20.3	21.3	23.1	25.4	26.6	28.2	30.4	31.8	34.0	33.9	33.8	34.2	35.1	35.6	35.6	33.7	30.4	27.7	24.6	22.8								
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.																																

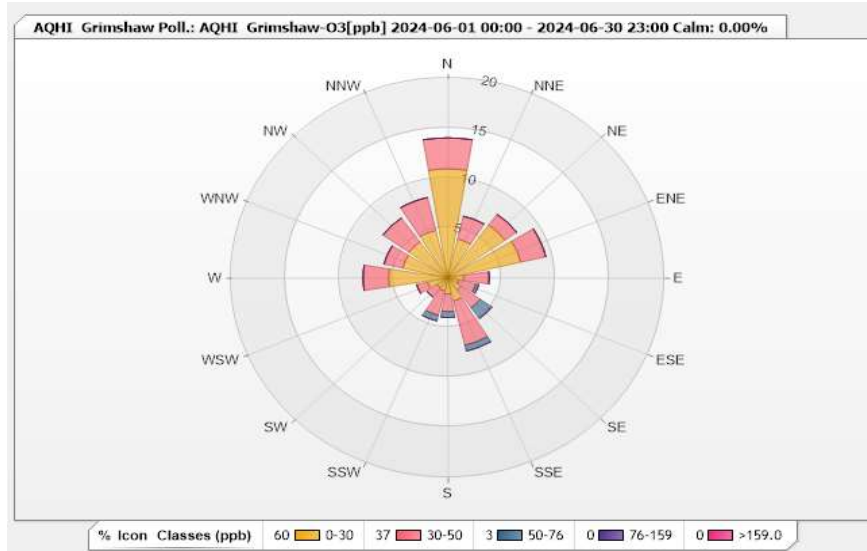


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-O3[ppb] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.17% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	10.91	3.1	0	0	0	14.01
NNE	3.98	2.36	0	0	0	6.34
NE	6.49	1.33	0	0	0	7.82
ENE	6.93	2.36	0	0	0	9.29
E	1.47	2.36	0	0	0	3.83
ESE	1.03	1.62	0.29	0	0	2.94
SE	1.47	2.21	1.33	0	0	5.01
SSE	2.36	4.57	0.59	0	0	7.52
S	1.62	1.77	0.59	0	0	3.98
SSW	1.33	2.51	0.59	0	0	4.43
SW	1.18	1.18	0	0	0	2.36
WSW	1.92	1.03	0	0	0	2.95
W	5.46	2.36	0	0	0	7.82
WNW	4.28	1.77	0	0	0	6.05
NW	4.42	2.95	0	0	0	7.37
NNW	4.87	3.39	0	0	0	8.26
Summary	59.72	36.87	3.39	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

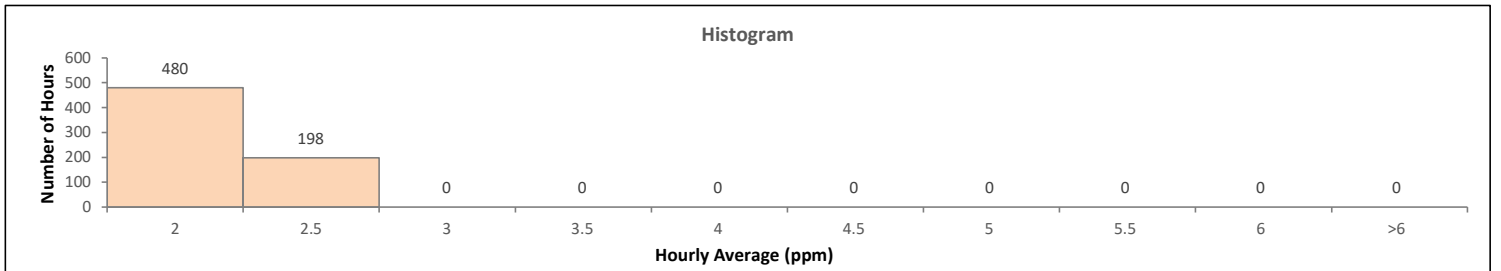
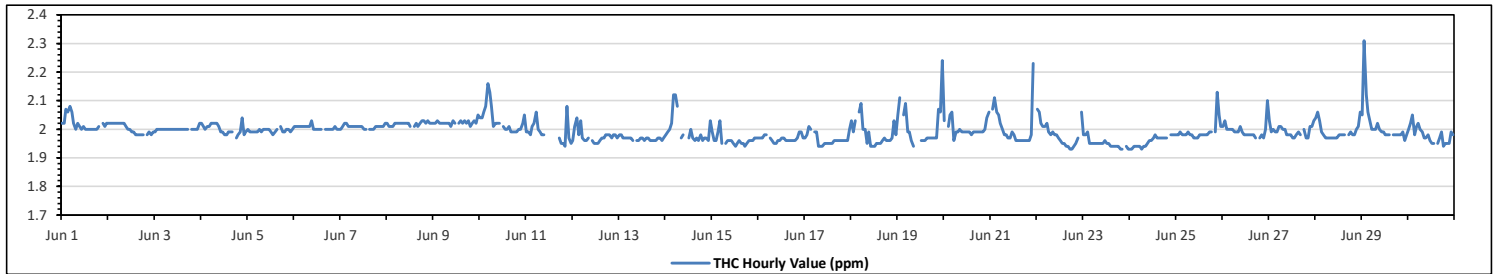
TOTAL HYDROCARBONS (THC) in ppm

Maximum Hourly Value:	2.31	ppm	on Jun 29 at hr 1	Hours in Service:	720
Maximum Daily Value:	2.03	ppm	on Jun 10	Hours of Data:	678
Minimum Hourly Value:	1.93	ppm	on Jun 22 at hr 17	Hours of Missing Data:	3
Minimum Daily Value:	1.95	ppm	on Jun 23	Hours of Calibration:	39
Monthly Average:	1.99	ppm		Operational Uptime:	99.6

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					
Jun 1	2.02	2.02	2.07	2.06	2.08	2.06	2.02	2.00	2.02	2.01	2.00	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	S	2.02	2.01	2.02	2.00	2.08	2.02		
Jun 2	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	S	1.98	1.99	1.98	1.99	1.98	2.02	2.00		
Jun 3	1.99	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	2.00	2.00	S	2.00	2.00	2.00	2.00	2.02	1.99	2.02	2.00		
Jun 4	2.02	2.01	2.00	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.01	1.99	1.99	1.98	1.98	1.99	1.99	S	1.97	1.98	1.99	2.04	1.98	1.99	1.97	2.04	2.00		
Jun 5	2.00	1.99	1.99	1.99	1.99	1.99	2.00	1.99	2.00	2.00	2.00	2.00	1.99	1.98	1.99	2.00	S	2.01	1.99	1.99	2.00	2.00	1.99	2.00	1.98	2.01	1.99		
Jun 6	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.03	2.00	2.00	2.00	2.00	S	2.00	2.00	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.03	2.01		
Jun 7	2.00	2.01	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	S	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.02	2.00	2.02	2.01		
Jun 8	2.02	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.01	S	2.01	2.02	2.01	2.02	2.03	2.03	2.02	2.03	2.02	2.02	2.01	2.03	2.02	
Jun 9	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.03	2.02	S	2.02	2.03	2.02	2.03	2.02	2.03	2.02	2.03	2.02	2.02	2.05	2.01	2.05	2.02		
Jun 10	2.04	2.04	2.06	2.08	2.16	2.13	2.08	2.01	2.02	2.02	2.02	S	2.01	2.00	2.00	2.01	1.99	1.99	1.99	1.99	2.00	2.00	2.02	2.05	1.99	2.16	2.03		
Jun 11	1.99	1.99	1.98	2.01	2.02	2.06	2.00	1.99	1.98	1.98	S	K	C	C	C	C	C	1.97	1.95	1.95	1.94	2.08	1.97	1.95	1.94	2.08	NA		
Jun 12	1.96	2.01	2.04	1.98	2.03	1.97	1.96	1.96	1.97	S	1.96	1.95	1.95	1.95	1.96	1.97	1.97	1.98	1.98	1.98	1.97	1.98	1.98	1.97	1.95	2.04	1.98		
Jun 13	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.96	S	1.96	1.96	1.97	1.97	1.96	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.96	1.97	1.96	1.98	1.97	
Jun 14	1.98	1.99	2.00	2.02	2.12	2.12	2.08	S	1.97	1.98	P	P	1.97	2.00	1.97	1.96	1.97	1.96	1.98	1.96	1.97	1.97	1.96	2.03	1.96	2.12	2.00		
Jun 15	1.99	1.96	1.96	1.99	2.03	1.95	S	1.95	1.96	1.96	1.96	1.95	1.94	1.95	1.96	1.95	1.95	1.94	1.95	1.96	1.96	1.96	1.97	1.97	1.94	2.03	1.96		
Jun 16	1.97	1.97	1.97	1.98	1.98	S	1.97	1.96	1.95	1.95	1.96	1.96	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.99	1.99	1.97	1.95	1.99	1.97		
Jun 17	1.97	1.98	2.01	2.00	S	1.99	1.99	1.94	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	2.00	1.94	2.01	1.96		
Jun 18	2.03	1.99	2.03	S	2.06	2.09	2.00	2.00	1.95	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.96	1.96	1.97	1.96	1.96	1.96	1.96	1.97	2.03	1.98	1.94	2.09	1.98
Jun 19	2.05	2.11	S	2.05	2.09	1.99	1.99	1.96	1.94	Q	Q	Q	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.97	1.97	2.07	2.06	2.24	1.94	2.24	2.01		
Jun 20	2.03	S	2.01	2.05	2.06	1.96	1.99	1.99	2.00	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.04	2.06	1.96	2.06	2.00		
Jun 21	S	2.07	2.11	2.06	2.05	2.02	2.00	1.98	1.98	1.97	1.97	1.99	1.98	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.98	2.23	S	1.96	2.23	2.00		
Jun 22	2.07	2.06	2.02	2.01	2.01	2.02	1.99	1.98	1.99	1.98	1.98	1.98	1.97	1.96	1.95	1.95	1.94	1.94	1.93	1.93	1.94	1.95	1.97	S	2.06	1.93	2.07	1.98	
Jun 23	1.98	1.98	1.99	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.93	1.93	S	1.94	1.93	1.93	1.99	1.95		
Jun 24	1.93	1.93	1.94	1.94	1.94	1.94	1.93	1.94	1.94	1.95	1.96	1.96	1.97	1.98	1.97	1.97	1.97	1.97	1.97	1.97	S	1.98	1.98	1.98	1.93	1.98	1.96		
Jun 25	1.98	1.98	1.99	1.98	1.98	1.98	1.99	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.99	1.99	S	1.99	2.13	2.05	2.01	1.97	2.13	1.99		
Jun 26	2.01	2.03	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.01	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.97	S	1.97	1.98	1.97	2.00	2.10	1.97	2.10	1.99		
Jun 27	2.03	1.99	2.00	1.99	1.99	2.01	2.01	2.00	2.00	1.98	1.98	1.98	1.97	1.97	1.98	1.99	1.98	S	2.00	1.97	1.97	2.01	2.01	2.03	1.97	2.03	1.99		
Jun 28	2.04	2.06	2.03	1.99	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	S	1.98	1.99	1.98	1.98	2.00	2.01	2.06	1.97	2.06	1.99		
Jun 29	2.05	2.31	2.12	2.06	2.03	2.00	2.00	2.00	2.02	2.00	1.99	1.99	1.98	1.98	1.98	S	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.96	1.98	1.96	2.31	2.01	
Jun 30	2.00	2.02	2.05	1.98	2.01	2.02	2.00	1.99	1.97	1.97	1.98	1.96	1.95	1.95	S	1.95	1.97	1.99	1.94	1.95	1.95	1.95	1.99	1.98	1.94	2.05	1.98		
Diurnal Maximum	2.07	2.31	2.12	2.08	2.16	2.13	2.08	2.02	2.02	2.03	2.03	2.02	2.01	2.02	2.03	2.02	2.03	2.02	2.03	2.03	2.03	2.02	2.13	2.23	2.24				
Diurnal Average	2.01	2.02	2.01	2.01	2.02	2.01	2.00	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.00	2.00	2.01					

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.

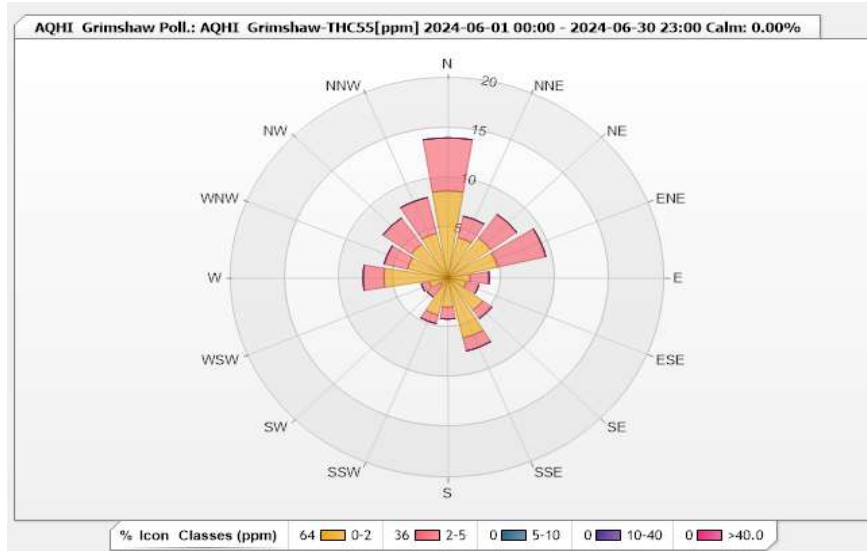


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-THC55[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.17% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	8.7	5.31	0	0	0	14.01
NNE	4.13	2.21	0	0	0	6.34
NE	4.87	2.95	0	0	0	7.82
ENE	4.72	4.57	0	0	0	9.29
E	2.06	1.77	0	0	0	3.83
ESE	1.77	1.18	0	0	0	2.95
SE	3.98	1.03	0	0	0	5.01
SSE	6.19	1.33	0	0	0	7.52
S	2.95	1.18	0	0	0	4.13
SSW	3.83	0.88	0	0	0	4.71
SW	0.88	1.47	0	0	0	2.35
WSW	1.77	0.74	0	0	0	2.51
W	5.9	1.92	0	0	0	7.82
WNW	3.83	2.21	0	0	0	6.04
NW	4.13	3.24	0	0	0	7.37
NNW	4.57	3.69	0	0	0	8.26
Summary	64.28	35.68	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

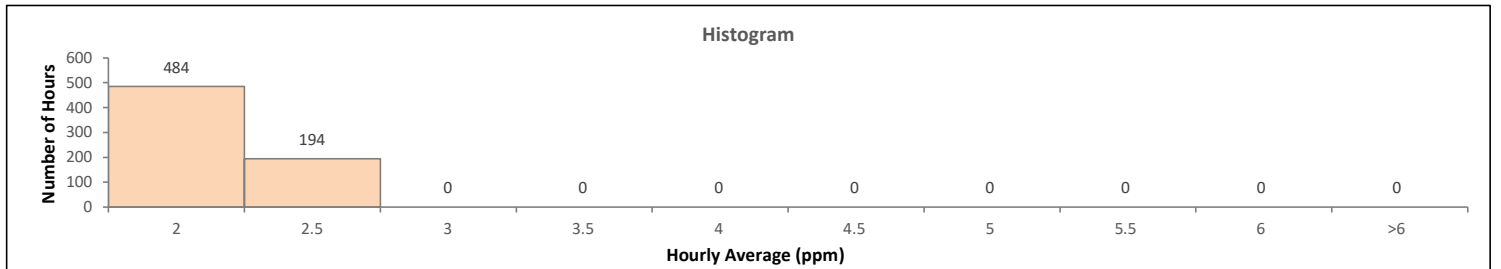
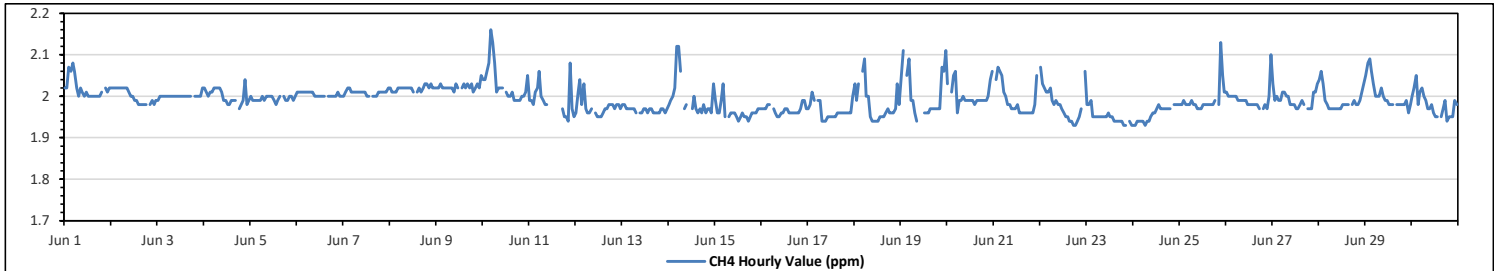
METHANE (CH4) in ppm

Maximum Hourly Value:	2.16	ppm	on Jun 10 at hr 4	Hours in Service:	720
Maximum Daily Value:	2.03	ppm	on Jun 10	Hours of Data:	678
Minimum Hourly Value:	1.93	ppm	on Jun 22 at hr 17	Hours of Missing Data:	3
Minimum Daily Value:	1.95	ppm	on Jun 23	Hours of Calibration:	39
Monthly Average:	1.99	ppm		Operational Uptime:	99.6

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		
Jun 1	2.02	2.02	2.07	2.06	2.08	2.06	2.02	2.00	2.02	2.01	2.00	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	\$	2.02	2.01	2.02	2.00	2.08	2.02		
Jun 2	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	\$	\$	1.98	1.99	1.98	1.99	1.98	2.02	2.00	
Jun 3	1.99	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	2.00	2.00	2.00	\$	2.00	2.00	2.00	2.00	2.02	1.99	2.02	2.00	
Jun 4	2.02	2.01	2.00	2.01	2.01	2.02	2.02	2.02	2.02	2.01	1.99	1.99	1.98	1.98	1.99	1.99	1.99	\$	\$	1.97	1.98	1.99	2.04	1.98	1.99	1.97	2.04	2.00	
Jun 5	2.00	1.99	1.99	1.99	1.99	1.99	2.00	1.99	2.00	2.00	2.00	2.00	1.99	1.98	1.99	2.00	\$	\$	2.00	1.99	1.99	2.00	2.00	1.99	2.00	1.98	2.00	1.99	
Jun 6	2.01	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	2.00	\$	\$	2.00	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.01	2.00	2.00	
Jun 7	2.00	2.01	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	\$	\$	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.02	2.00	2.02	2.01	
Jun 8	2.02	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.01	\$	\$	2.01	2.02	2.01	2.02	2.03	2.03	2.02	2.03	2.02	2.01	2.03	2.02	
Jun 9	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.03	2.02	\$	\$	2.02	2.03	2.02	2.03	2.02	2.03	2.01	2.02	2.03	2.02	2.05	2.01	2.05	2.02	
Jun 10	2.04	2.04	2.06	2.08	2.16	2.13	2.08	2.01	2.02	2.02	2.02	2.02	\$	\$	2.01	2.00	2.00	2.01	1.99	1.99	1.99	2.00	2.00	2.01	2.05	1.99	2.16	2.03	
Jun 11	1.99	1.99	1.98	2.01	2.02	2.06	2.00	1.99	1.98	1.98	\$	\$	K	C	C	C	C	C	1.97	1.95	1.95	1.94	2.08	1.97	1.95	1.94	2.08	NA	
Jun 12	1.96	2.01	2.04	1.98	2.03	1.97	1.96	1.96	1.97	1.96	\$	\$	1.96	1.95	1.95	1.95	1.96	1.97	1.97	1.98	1.98	1.98	1.97	1.98	1.97	1.95	2.04	1.98	
Jun 13	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.96	\$	\$	1.96	1.96	1.97	1.96	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.96	1.97	1.96	1.98	1.97	
Jun 14	1.98	1.99	2.00	2.02	2.12	2.12	2.06	\$	\$	1.97	1.98	P	P	1.97	2.00	1.97	1.96	1.97	1.96	1.98	1.96	1.97	1.97	1.96	2.03	1.96	2.12	2.00	
Jun 15	1.99	1.96	1.96	1.99	2.03	1.95	\$	\$	1.95	1.96	1.96	1.96	1.95	1.94	1.95	1.96	1.95	1.95	1.94	1.95	1.96	1.96	1.96	1.97	1.97	1.94	2.03	1.96	
Jun 16	1.97	1.97	1.97	1.98	1.98	\$	\$	1.97	1.96	1.95	1.95	1.96	1.96	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.99	1.99	1.97	1.95	1.99	1.97	
Jun 17	1.97	1.98	2.01	1.99	\$	\$	1.99	1.99	1.94	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	2.00	1.94	2.01	1.96	
Jun 18	2.03	1.99	2.03	\$	\$	2.06	2.09	2.00	2.00	1.95	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.97	2.03	1.98	1.94	2.09	1.98	
Jun 19	2.05	2.11	\$	\$	2.05	2.09	1.99	1.99	1.96	1.94	Q	Q	Q	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.97	1.97	2.07	2.06	2.11	1.94	2.11	2.01	
Jun 20	2.03	\$	\$	2.01	2.05	2.06	1.96	1.99	1.99	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.04	2.06	1.96	2.06	2.00		
Jun 21	\$	\$	2.04	2.07	2.06	2.05	2.01	2.00	1.98	1.98	1.97	1.97	1.97	1.98	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.98	2.05	\$	1.96	2.07	1.99	
Jun 22	2.07	2.03	2.02	2.01	2.01	2.02	1.99	1.98	1.99	1.98	1.98	1.98	1.97	1.96	1.95	1.95	1.94	1.94	1.93	1.93	1.94	1.95	1.97	\$	2.06	1.93	2.07	1.98	
Jun 23	1.98	1.98	1.99	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.95	1.95	1.94	1.94	1.94	1.94	1.93	1.93	1.94	1.93	\$	1.94	1.93	1.99	1.95	
Jun 24	1.93	1.93	1.94	1.94	1.94	1.94	1.93	1.94	1.94	1.95	1.96	1.96	1.97	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	\$	1.98	1.98	1.98	1.93	1.98	1.96	
Jun 25	1.98	1.98	1.99	1.98	1.98	1.98	1.99	1.98	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.99	\$	\$	1.98	2.13	2.05	2.01	1.97	2.13	1.99
Jun 26	2.01	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.97	\$	\$	1.97	1.98	1.97	2.00	2.10	1.97	2.10	1.99
Jun 27	2.03	1.99	2.00	1.99	1.99	2.01	2.01	2.00	2.00	1.98	1.98	1.98	1.97	1.97	1.98	1.99	1.98	\$	\$	1.97	1.97	1.97	2.01	2.01	2.03	1.97	2.03	1.99	
Jun 28	2.04	2.06	2.03	1.99	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	\$	\$	1.98	1.99	1.98	1.99	2.01	2.03	1.97	2.06	1.99	
Jun 29	2.05	2.08	2.09	2.06	2.03	2.00	2.00	2.00	2.02	2.00	1.99	1.99	1.98	1.98	1.98	\$	\$	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.96	1.98	1.96	2.09	2.00
Jun 30	2.00	2.02	2.05	1.98	2.01	2.02	2.00	1.99	1.97	1.97	1.98	1.96	1.95	1.95	\$	\$	1.95	1.97	1.99	1.94	1.95	1.95	1.95	1.99	1.98	1.94	2.05	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
X	InValid Data (Equipment Malfunction / Recovery)	NRM	UnitMaint (Repeat Calibration / Non-Routine Maintenance)	P	Power Failure

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.

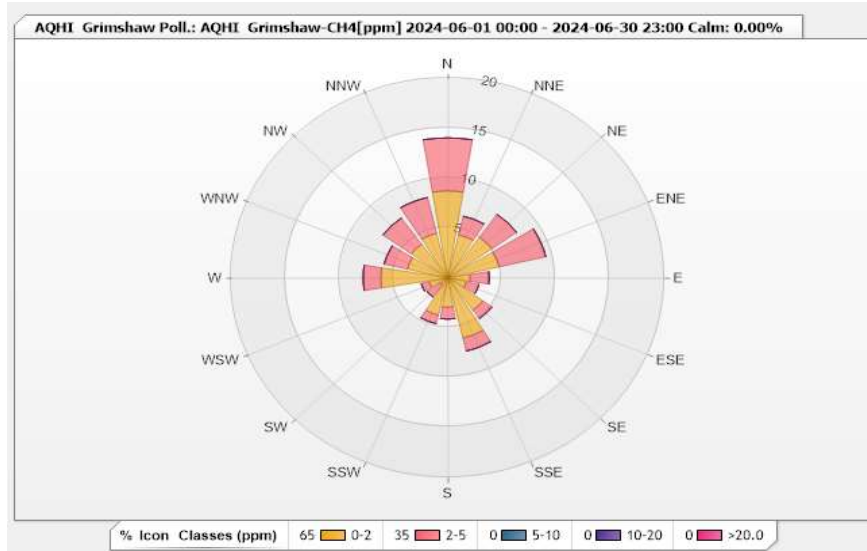


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-CH4[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.17% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	8.7	5.31	0	0	0	14.01
NNE	4.42	1.92	0	0	0	6.34
NE	5.01	2.8	0	0	0	7.81
ENE	4.87	4.42	0	0	0	9.29
E	2.06	1.77	0	0	0	3.83
ESE	1.77	1.18	0	0	0	2.95
SE	3.98	1.03	0	0	0	5.01
SSE	6.19	1.33	0	0	0	7.52
S	2.95	1.18	0	0	0	4.13
SSW	3.83	0.88	0	0	0	4.71
SW	0.88	1.47	0	0	0	2.35
WSW	1.77	0.74	0	0	0	2.51
W	6.19	1.62	0	0	0	7.81
WNW	3.83	2.21	0	0	0	6.04
NW	4.13	3.24	0	0	0	7.37
NNW	4.57	3.69	0	0	0	8.26
Summary	65.15	34.79	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

NON-METHANE HYDROCARBONS (NMHC) in ppm

Maximum Hourly Value:	0.23	ppm	on Jun 29 at hr 1	Hours in Service:	720
Maximum Daily Value:	0.01	ppm	on Jun 21	Hours of Data:	678
Minimum Hourly Value:	0.00	ppm	on Jun 1 at hr 0	Hours of Missing Data:	3
Minimum Daily Value:	0.00	ppm	on Jun 1	Hours of Calibration:	39
Monthly Average:	0.00	ppm		Operational Uptime:	99.6

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			
Jun 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	S	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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
Jun 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
Jun 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
Jun 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	S	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	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
Jun 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	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
Jun 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	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
Jun 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	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
Jun 10	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	0.01	0.00	0.00	0.00	0.00
Jun 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	K	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
Jun 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 13	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
Jun 14	0.00	0.00	0.00	0.00	0.00	0.00	0.02	S	0.00	0.00	P	P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 15	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
Jun 16	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
Jun 17	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
Jun 18	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00
Jun 19	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	Q	Q	Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.00	0.13	0.01
Jun 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
Jun 21	S	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	S	0.00	0.18	0.01
Jun 22	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Jun 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
Jun 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	S	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.01	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 26	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	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
Jun 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	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun 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	0.01	0.00	0.03	0.00	0.03	0.00
Jun 29	0.00	0.23	0.04	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
Jun 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	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	0.23	0.04	0.00	0.00	0.00	0.02	0.00	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.01	0.18	0.13			
Diurnal Average	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	0.00	0.01	0.01			

C Monthly Calibration

K Collection Error

X InValid Data (Equipment Malfunction /Recovery)

S Daily Zero-Span Check

ND No Data (Machine Not in Service)

NRM UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)

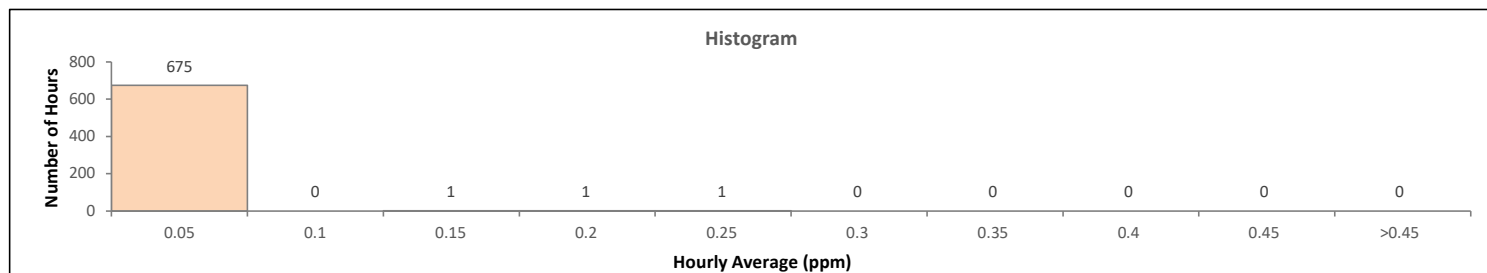
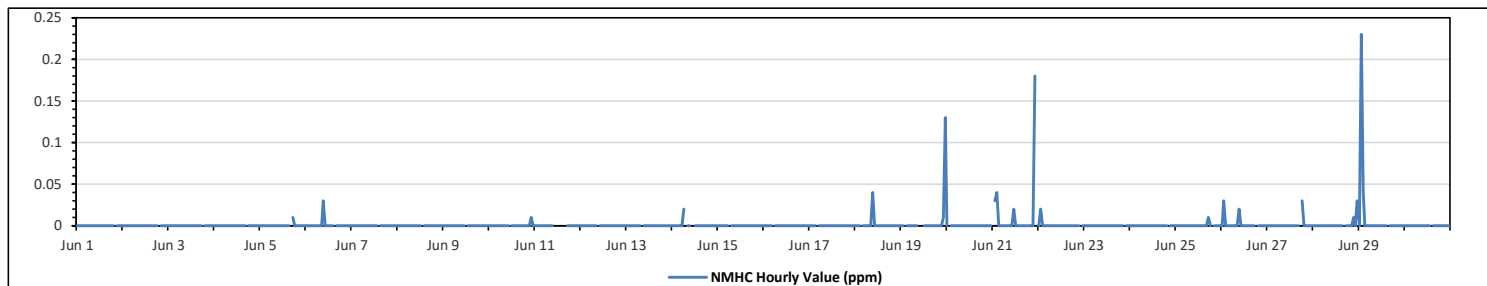
Q Quality Assurance

Y Routine Maintenance

P Power Failure

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.

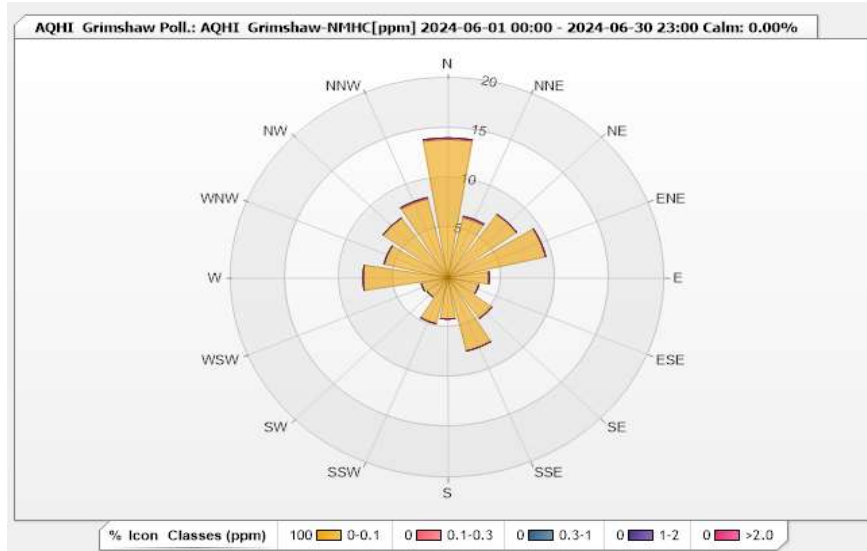


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NMHC[ppm] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 94.17% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	13.86	0.15	0	0	0	14.01
NNE	6.19	0.15	0	0	0	6.34
NE	7.82	0	0	0	0	7.82
ENE	9.29	0	0	0	0	9.29
E	3.83	0	0	0	0	3.83
ESE	2.95	0	0	0	0	2.95
SE	5.01	0	0	0	0	5.01
SSE	7.52	0	0	0	0	7.52
S	4.13	0	0	0	0	4.13
SSW	4.72	0	0	0	0	4.72
SW	2.36	0	0	0	0	2.36
WSW	2.51	0	0	0	0	2.51
W	7.82	0	0	0	0	7.82
WNW	6.05	0	0	0	0	6.05
NW	7.37	0	0	0	0	7.37
NNW	8.11	0.15	0	0	0	8.26
Summary	100	0.45	0	0	0	100



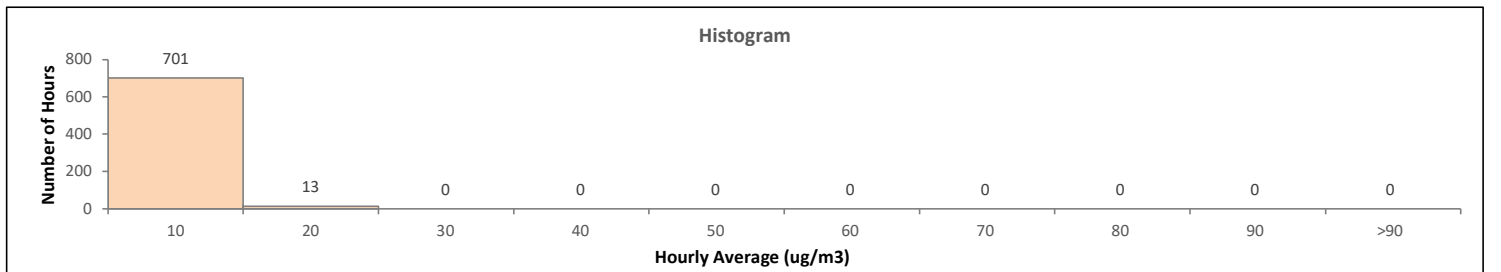
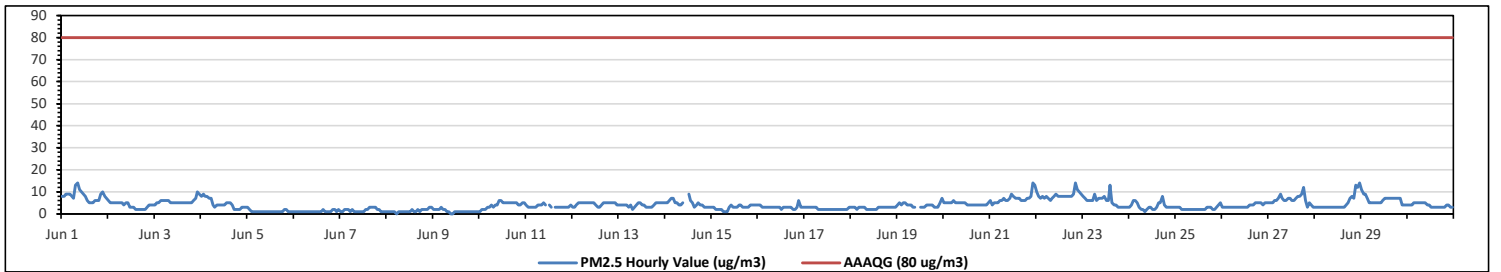
Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

PARTICULATE MATTER 2.5 (PM_{2.5}) in µg/m³

Alberta Ambient Air Quality Guideline (AAAQG): 1-Hour 80 µg/m ³ , Alberta Ambient Air Quality Objective (AAAO): 24-Hour 29 µg/m ³																																	
Number of 1-Hour Exceedances: 0														Number of 24-Hour Exceedances: 0																			
Maximum Hourly Value: 14 µg/m ³ on Jun 1 at hr 8														Hours in Service: 720																			
Maximum Daily Value: 8.4 µg/m ³ on Jun 22														Hours of Data: 714																			
Minimum Hourly Value: 0 µg/m ³ on Jun 8 at hr 5														Hours of Missing Data: 3																			
Minimum Daily Value: 1 µg/m ³ on Jun 6														Hours of Calibration: 3																			
Monthly Average: 4.1 µg/m ³														Operational Uptime: 99.6																			
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									
Jun 1	8	8	9	9	9	8	7	13	14	11	10	9	8	6	5	5	5	6	6	6	9	10	8	7	5	14	8.2						
Jun 2	6	5	5	5	5	5	5	5	4	5	5	3	3	3	2	2	2	2	2	2	3	4	4	4	2	6	3.8						
Jun 3	4	5	5	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	6	7	10	9	4	10	5.7						
Jun 4	8	9	8	8	7	7	4	3	4	4	4	4	4	5	5	5	4	2	2	2	2	3	3	3	2	9	4.6						
Jun 5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	3	1.2						
Jun 6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	1	2	1	2	1.2						
Jun 7	1	1	2	2	2	1	2	1	1	1	1	1	1	2	2	3	3	3	3	2	2	1	1	1	1	3	1.7						
Jun 8	1	1	1	1	1	0	1	1	1	1	1	1	1	2	1	1	2	1	2	2	2	2	3	3	0	3	1.4						
Jun 9	2	2	2	2	3	2	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	3	1.3					
Jun 10	1	2	2	2	3	3	4	3	4	4	6	6	5	5	5	5	5	5	5	5	4	4	5	5	1	6	4.1						
Jun 11	4	3	3	3	3	3	4	4	4	5	4	K	4	3	C	3	3	3	3	3	3	3	3	4	3	5	3.4						
Jun 12	3	3	4	5	5	5	5	5	5	5	5	5	4	3	3	4	5	5	5	5	5	5	4	3	5	4	4.5						
Jun 13	4	4	4	4	4	3	4	2	3	4	5	5	4	4	3	3	3	3	3	4	5	5	5	5	2	5	4.0						
Jun 14	5	5	6	7	7	5	5	4	4	5	P	P	9	6	5	3	4	5	4	4	3	3	3	3	3	9	4.8						
Jun 15	3	3	2	2	2	2	1	1	1	3	4	3	3	3	3	4	4	3	3	3	3	4	4	4	1	4	2.9						
Jun 16	4	4	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	2	3	6	3	3	2	6	3.1						
Jun 17	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2.3						
Jun 18	3	3	3	2	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	3	2.7						
Jun 19	4	5	4	5	5	4	4	4	3	3	Q	Q	3	3	3	4	4	4	4	4	3	3	3	5	7	3	7	4.0					
Jun 20	5	5	5	5	5	6	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	5	4	6	4.6						
Jun 21	6	4	5	5	5	6	6	7	6	6	7	9	8	7	7	7	6	6	6	7	7	8	14	13	4	14	7.0						
Jun 22	10	8	7	8	7	8	7	6	7	8	9	8	8	8	8	8	8	8	8	9	14	11	10	9	6	14	8.4						
Jun 23	8	7	6	6	6	6	9	6	7	7	7	8	6	6	13	5	4	4	3	3	3	3	3	3	3	13	5.8						
Jun 24	3	4	6	6	5	3	2	2	1	2	3	3	2	2	3	5	5	8	4	3	3	3	3	3	1	8	3.5						
Jun 25	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	3	4	5	2	5	2.5						
Jun 26	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	5	5	5	4	5	5	3	5	3.7						
Jun 27	5	5	5	6	6	7	9	7	6	6	7	7	6	6	7	8	8	9	12	6	3	5	4	3	3	12	6.4						
Jun 28	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	5	7	8	7	13	12	14	3	14	4.9						
Jun 29	11	9	9	7	5	5	5	5	5	5	5	6	7	7	7	7	7	7	7	7	7	4	4	4	4	11	6.3						
Jun 30	4	4	4	5	5	5	5	5	5	5	5	4	4	3	3	3	3	3	3	3	4	4	3	3	3	5	3.9						
Diurnal Maximum	11	9	9	9	9	8	9	13	14	11	10	9	9	8	13	8	8	9	12	9	14	13	14	14									
Diurnal Average	4.3	4.1	4.1	4.2	4.2	4.0	4.0	3.8	3.8	3.9	4.1	4.1	3.8	3.7	4.0	3.8	3.8	4.0	4.0	3.8	4.1	4.4	4.5	4.6									
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.																																	



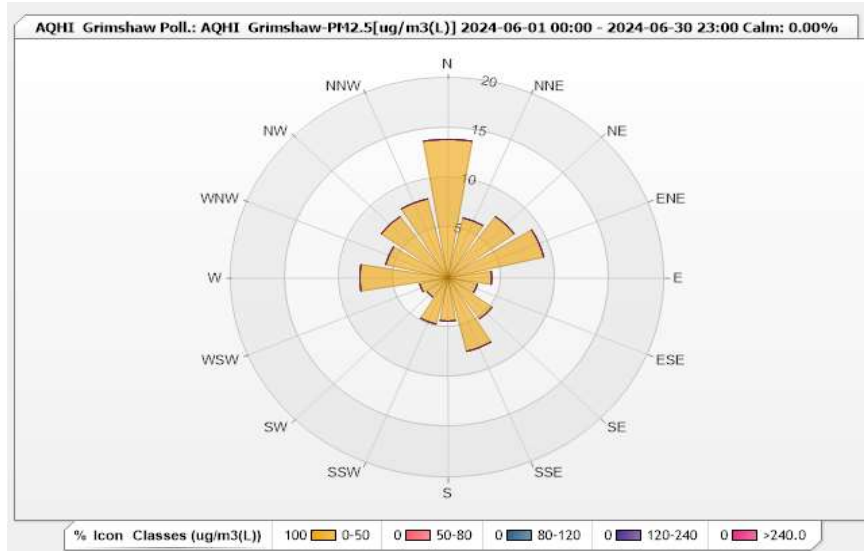
Station: AQHI Grimshaw Poll.: AQHI Grimshaw-PM2.5[ug/m3(L)] Monthly: 06-2024

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

Calm: 0.00% Valid Data: 99.17% Calm Avg: 0.00 [ug/m3(L)]

Direction	0-50	50-80	80-120	120-240	>240.0	Total
N	13.87	0	0	0	0	13.87
NNE	6.16	0	0	0	0	6.16
NE	7.56	0	0	0	0	7.56
ENE	9.1	0	0	0	0	9.1
E	4.06	0	0	0	0	4.06
ESE	2.8	0	0	0	0	2.8
SE	5.04	0	0	0	0	5.04
SSE	7.56	0	0	0	0	7.56
S	4.34	0	0	0	0	4.34
SSW	4.76	0	0	0	0	4.76
SW	2.38	0	0	0	0	2.38
WSW	2.66	0	0	0	0	2.66
W	8.12	0	0	0	0	8.12
WNW	5.88	0	0	0	0	5.88
NW	7.56	0	0	0	0	7.56
NNW	8.12	0	0	0	0	8.12
Summary	100	0	0	0	0	100



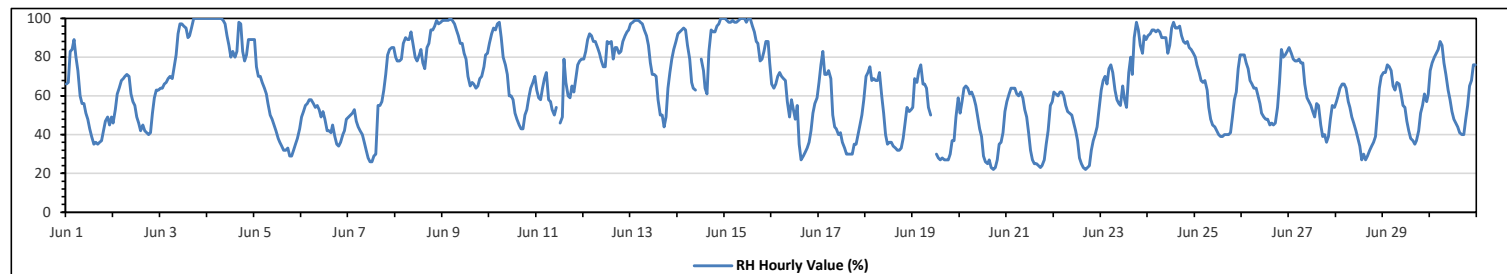
Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

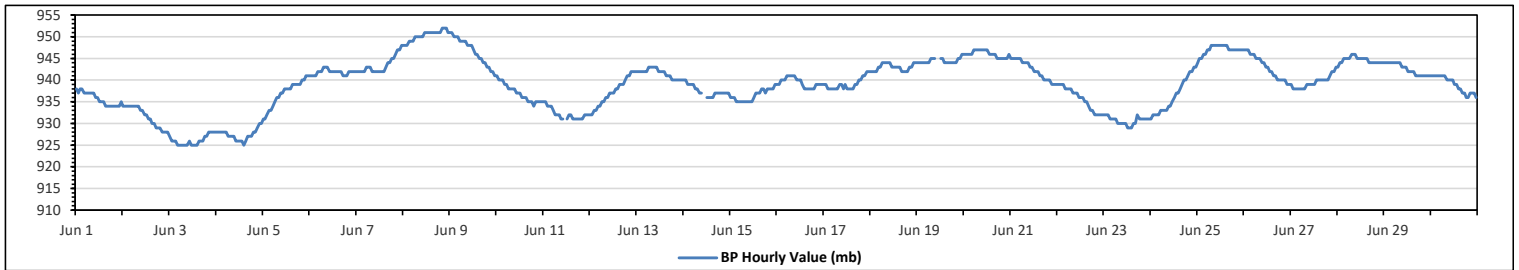
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Jun 3 at hr 17	Hours in Service:	720																																										
Maximum Daily Value:	93.5	%	on Jun 15	Hours of Data:	715																																										
Minimum Hourly Value:	22	%	on Jun 20 at hr 17	Hours of Missing Data:	5																																										
Minimum Daily Value:	43.2	%	on Jun 20	Hours of Calibration:	0																																										
Monthly Average:	64.0	%		Operational Uptime:	99.3																																										
Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Daily Minimum	Daily Maximum	Daily Average																				
Jun 1	66	67	83	84	89	80	73	60	56	56	51	48	43	39	35	36	35	36	37	42	47	49	45	49	35	89	54.4																				
Jun 2	46	53	61	64	68	69	70	71	70	61	57	55	49	46	42	45	42	41	40	41	51	59	63	63	40	71	55.3																				
Jun 3	64	64	66	67	69	70	69	75	81	92	97	97	96	95	90	91	95	100	100	100	100	100	100	100	64	100	86.6																				
Jun 4	100	100	100	100	100	100	100	100	99	97	91	86	80	83	80	83	98	97	83	78	81	89	89	89	78	100	91.8																				
Jun 5	89	75	70	70	67	64	61	56	50	48	45	42	38	36	34	32	32	33	29	29	32	35	38	43	29	89	47.8																				
Jun 6	49	52	55	56	58	58	56	54	55	53	49	52	48	42	42	41	45	39	35	34	36	40	42	48	34	58	47.5																				
Jun 7	49	50	51	53	47	44	42	40	36	32	28	26	26	29	30	55	55	57	63	71	81	84	85	85	26	85	50.8																				
Jun 8	80	78	78	79	87	90	89	89	93	86	80	78	81	84	77	74	85	87	94	94	96	99	97	98	74	99	86.4																				
Jun 9	99	99	99	99	100	99	97	94	91	87	87	82	79	70	65	67	66	64	65	69	70	75	81	82	64	100	82.8																				
Jun 10	87	92	95	94	97	98	90	80	76	71	60	60	58	51	48	45	43	43	50	53	59	64	67	70	43	98	68.8																				
Jun 11	63	59	58	64	69	72	58	57	53	50	54	K	46	49	79	67	60	59	65	62	69	76	78	79	46	79	62.9																				
Jun 12	79	83	89	92	91	88	88	85	82	78	75	75	88	87	88	79	85	85	82	83	88	91	93	94	75	94	85.3																				
Jun 13	97	98	99	99	99	98	97	94	91	86	77	71	71	70	58	50	50	44	49	64	72	79	84	88	44	99	78.5																				
Jun 14	92	93	94	95	94	86	79	67	64	63	P	P	79	73	64	61	83	94	93	93	96	97	100	100	61	100	84.5																				
Jun 15	100	99	98	98	99	98	98	99	100	100	100	98	100	100	96	93	88	87	78	79	83	88	88	77	77	100	93.5																				
Jun 16	66	64	66	70	72	70	69	68	57	49	58	53	48	55	35	27	29	31	33	36	42	51	56	59	27	72	52.7																				
Jun 17	67	76	83	71	71	73	69	50	44	43	40	41	36	33	30	30	30	30	35	35	40	45	50	58	30	83	49.2																				
Jun 18	70	72	75	68	69	68	68	72	60	51	40	35	36	36	34	33	32	32	33	38	46	54	52	53	32	75	51.1																				
Jun 19	54	69	67	73	76	66	66	64	54	50	K	K	30	28	27	28	27	27	27	30	37	37	49	59	27	76	47.5																				
Jun 20	51	57	64	65	64	61	62	59	55	50	43	39	29	26	25	27	23	22	23	27	35	36	41	52	22	65	43.2																				
Jun 21	57	61	64	65	64	61	60	62	59	53	49	41	32	27	25	25	24	23	24	27	35	42	55	57	23	64	45.5																				
Jun 22	62	61	60	62	62	60	55	52	51	50	46	42	37	28	25	23	22	23	24	32	37	40	44	53	22	62	43.8																				
Jun 23	63	68	70	66	74	76	72	63	58	56	55	65	58	54	72	80	71	90	98	94	86	82	91	89	54	98	73.0																				
Jun 24	91	92	94	94	93	94	93	90	90	90	82	86	95	98	95	95	96	91	88	87	88	85	84	82	82	98	90.5																				
Jun 25	80	76	72	68	67	68	63	54	48	45	44	42	40	39	39	40	40	40	41	49	58	62	74	81	39	81	55.4																				
Jun 26	81	81	77	74	68	66	64	64	60	56	51	49	48	48	45	46	45	46	54	67	84	80	81	83	45	84	63.3																				
Jun 27	85	82	79	78	78	79	77	77	66	59	57	55	52	49	56	55	45	39	40	36	39	48	55	54	36	85	60.0																				
Jun 28	57	60	64	66	66	64	57	54	49	46	42	38	34	27	30	27	29	32	34	36	39	51	64	70	27	70	47.3																				
Jun 29	72	72	76	75	73	65	63	67	66	61	55	54	47	42	38	37	35	37	42	51	55	61	57	61	35	76	56.8																				
Jun 30	73	77	80	82	84	88	86	77	71	63	58	52	48	46	44	41	40	40	48	55	65	68	76	76	40	88	64.1																				
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	98	100	100	96	95	98	100	100	100	100	100	100	100																							
Diurnal Average	73.0	74.3	76.2	76.3	77.2	75.8	73.0	69.8	66.2	62.7	59.7	57.9	55.1	53.0	51.6	51.1	51.7	52.3	53.6	56.4	61.6	65.6	69.3	71.7																							
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 - June 2024
Summary of Hourly Averages
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	952	mb	on Jun 8 at hr 20	Hours in Service:	720																											
Maximum Daily Value:	950	mb	on Jun 8	Hours of Data:	715																											
Minimum Hourly Value:	925	mb	on Jun 3 at hr 4	Hours of Missing Data:	5																											
Minimum Daily Value:	926	mb	on Jun 3	Hours of Calibration:	0																											
Monthly Average:	939	mb		Operational Uptime:	99.3																											
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average						
Jun 1	938	937	938	938	937	937	937	937	937	936	936	935	935	935	934	934	934	934	934	934	934	935	934	938	936							
Jun 2	934	934	934	934	934	934	934	934	933	933	932	932	931	931	930	930	929	929	929	928	928	928	928	928	934	932						
Jun 3	927	926	926	926	925	925	925	925	925	926	925	925	925	925	926	926	926	927	927	928	928	928	928	925	928	926						
Jun 4	928	928	928	928	928	928	927	927	927	927	926	926	926	926	925	926	927	927	927	928	928	929	930	925	930	927						
Jun 5	931	931	932	933	933	934	935	936	936	937	937	938	938	938	938	939	939	939	939	939	940	941	941	931	941	937						
Jun 6	941	941	941	941	942	942	942	943	943	943	942	942	942	942	942	942	942	941	941	941	942	942	942	941	943	942						
Jun 7	942	942	942	942	942	943	943	943	942	942	942	942	942	942	942	943	944	944	945	945	946	947	947	942	948	943						
Jun 8	948	948	948	949	949	949	950	950	950	950	950	951	951	951	951	951	951	951	951	951	952	952	952	948	952	950						
Jun 9	951	951	950	950	950	949	949	949	949	948	948	948	947	946	946	945	945	944	944	943	943	942	942	941	941	947						
Jun 10	941	940	940	940	939	939	938	938	938	938	937	937	937	936	936	936	935	935	935	934	935	935	935	935	934	941	937					
Jun 11	935	935	934	934	934	933	932	932	932	931	931	K	931	932	932	931	931	931	931	931	931	932	932	932	931	935	932					
Jun 12	932	932	933	933	934	934	935	935	936	936	937	937	937	938	938	939	939	939	940	941	941	942	942	942	932	942	937					
Jun 13	942	942	942	942	942	942	943	943	943	943	943	942	942	942	942	942	941	941	941	940	940	940	940	940	940	943	942					
Jun 14	940	940	939	939	939	939	938	938	937	937	P	P	936	936	936	936	937	937	937	937	937	937	937	937	936	940	938					
Jun 15	936	936	936	935	935	935	935	935	935	935	935	935	936	937	937	937	938	938	937	938	938	938	938	939	935	939	936					
Jun 16	939	939	940	940	940	941	941	941	941	941	940	940	940	939	938	938	938	938	938	939	939	939	939	939	938	941	939					
Jun 17	939	939	938	938	938	938	938	938	939	939	938	939	938	938	938	938	939	939	940	940	941	941	942	942	938	942	939					
Jun 18	942	942	942	942	943	943	944	944	944	944	944	943	943	943	943	943	942	942	942	942	943	943	944	944	942	944	943					
Jun 19	944	944	944	944	944	944	944	945	945	945	K	K	945	945	944	944	944	944	944	944	944	944	945	945	944	946	944					
Jun 20	946	946	946	946	946	947	947	947	947	947	947	947	947	946	946	946	946	945	945	945	945	945	945	945	944	947	946					
Jun 21	945	945	945	945	945	945	944	944	944	944	944	943	943	942	942	942	941	941	940	940	940	940	940	939	939	945	942					
Jun 22	939	939	939	939	938	938	938	938	937	937	937	936	936	936	935	935	934	933	933	932	932	932	932	932	932	939	936					
Jun 23	932	932	932	931	931	931	931	930	930	930	930	930	929	929	929	930	930	932	931	931	931	931	931	929	932	931	931					
Jun 24	931	932	932	932	932	933	933	933	933	934	934	935	936	937	937	938	939	940	940	941	942	942	943	943	931	943	936					
Jun 25	944	945	945	946	946	947	947	948	948	948	948	948	948	948	948	948	947	947	947	947	947	947	947	947	944	948	947					
Jun 26	947	947	947	946	946	946	945	945	945	944	944	943	943	942	942	941	941	940	940	940	940	940	940	939	939	947	943					
Jun 27	939	938	938	938	938	938	938	938	939	939	939	939	939	940	940	940	940	940	940	940	941	942	942	938	943	940						
Jun 28	943	944	944	945	945	945	945	946	946	946	945	945	945	945	945	945	944	944	944	944	944	944	944	944	943	946	945					
Jun 29	944	944	944	944	944	944	944	944	944	943	943	943	942	942	942	942	941	941	941	941	941	941	941	941	941	944	943					
Jun 30	941	941	941	941	941	941	941	941	940	940	940	940	939	939	938	938	937	937	936	936	937	937	937	936	936	941	939					
Diurnal Maximum	951	951	950	950	950	949	950	950	950	950	950	951	951	951	951	951	951	951	951	951	951	952	952	952	951							
Monthly Average	939	939	939	939	939	939	939	940	940	939	939	939	939	939	939	939	939	939	939	939	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									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
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.																																



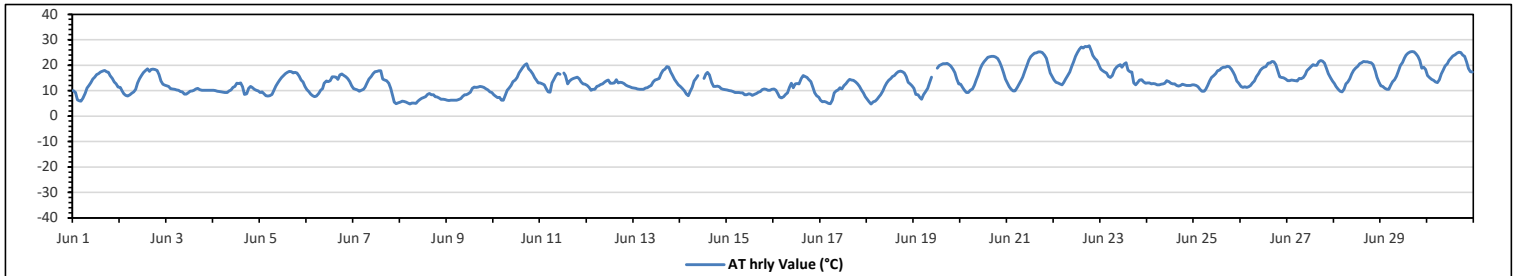
Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

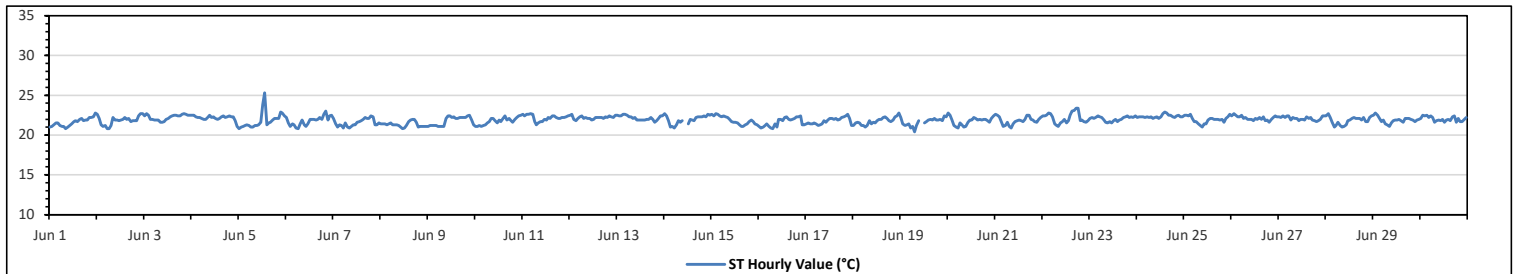
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	27.6	°C	on Jun 22 at hr 18												Hours in Service:	720																
Maximum Daily Value:	20.5	°C	on Jun 22												Hours of Data:	715																
Minimum Hourly Value:	4.7	°C	on Jun 8 at hr 5												Hours of Missing Data:	5																
Minimum Daily Value:	6.6	°C	on Jun 8												Hours of Calibration:	0																
Monthly Average:	13.7	°C													Operational Uptime:	99.3																
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					
Jun 1	10	9.3	6.4	6	5.8	7	8.9	11	12	13.2	14.5	15.3	16.3	16.6	17.3	17.7	17.9	17.5	17.2	16	14.8	13.4	12.7	11.4	5.8	17.9	12.8					
Jun 2	11.2	10	8.8	8.2	7.9	8.4	9	9.5	10.6	13	14.7	16	17.1	17.8	18.6	17.6	18.3	18.5	18.3	17.9	16.3	13.8	12.5	12.2	7.9	18.6	13.6					
Jun 3	11.9	11.7	10.8	10.7	10.6	10.3	10.1	9.6	9.5	8.6	8.6	9.2	9.7	9.8	10.2	10.7	10.9	10.4	10.2	10.1	10.2	10.2	10.2	10.2	8.6	11.9	10.2					
Jun 4	10.1	10	9.7	9.6	9.5	9.4	9.3	9.3	9.8	10.3	11.3	11.7	12.9	12.8	13.1	11.5	8.5	8.8	10.9	11.6	11.3	10.6	10.2	9.9	8.5	13.1	10.5					
Jun 5	9.3	9.5	8.7	8	7.9	8	8.5	10.1	11.8	13	14.1	15.2	16	16.6	17.2	17.6	17.5	16.9	17.2	16.9	15.7	14.2	13.4	11.7	7.9	17.6	13.1					
Jun 6	10.4	9.6	8.6	8.1	7.6	7.9	8.9	10.2	10.8	12.9	13.8	13.6	13.9	15.4	15.4	15.3	14.4	16.2	16.5	16	15.4	14.7	13.6	11.9	7.6	16.5	12.5					
Jun 7	10.8	10.6	10.3	9.7	10.2	10.6	11.4	13	14.5	15.6	16.7	17.5	17.6	17.8	17.8	14.5	14.1	13.9	12.9	10.9	8.1	5.5	4.9	5.2	4.9	17.8	12.3					
Jun 8	5.5	5.8	5.7	5.5	5.1	4.7	5.1	5.1	5	5.8	6.5	7	7.2	7.6	8.5	8.9	8.4	8.4	7.7	7.5	7.1	6.6	6.7	6.5	4.7	8.9	6.6					
Jun 9	6.3	6.1	6.2	6.2	6.2	6.3	6.5	6.9	7.8	8.4	8.4	8.7	9.4	10.9	11.4	11.3	11.4	11.7	11.5	11.2	10.8	10.3	9.5	9.3	6.1	11.7	8.9					
Jun 10	8.4	7.9	7.2	7.4	6.3	6.3	8.5	10.2	11	12	13.6	14.2	15.2	16.9	18	19.1	20.1	20.5	18.6	17.8	16.5	15	14.1	13.1	6.3	20.5	13.2					
Jun 11	13.1	12.7	12.3	10.8	9.5	9.4	13.1	14.4	16	16.8	16.4	K	16.9	16	12.7	13.8	14.4	14.9	15	15.3	14.7	13.4	12.7	12.5	9.4	16.9	13.8					
Jun 12	12.1	11.3	10.2	10.6	10.6	11.7	11.9	12.4	12.7	13.4	13.9	14.2	12.9	12.9	13.1	14.3	13.1	13.3	13.2	12.8	12.2	11.8	11.5	11.1	10.2	14.3	12.4					
Jun 13	11	10.9	10.7	10.5	10.5	10.6	11	11.1	11.6	12.1	13.5	14.2	14.4	14.9	16.7	17.9	18.5	19.4	19.1	17.3	16	14.4	13.2	12.3	10.5	19.4	13.8					
Jun 14	11.6	10.9	9.9	8.6	8	9.7	11.2	13.7	14.8	15.9	P	P	14.9	16.5	17.2	16.2	13.2	11.6	11.7	11.8	11.5	10.8	10.5	10.4	8.0	17.2	12.3					
Jun 15	10.3	10	9.9	9.6	9.3	9.3	9.3	9.1	9.1	8.3	8.3	8.7	8.6	8.2	8.5	8.9	9.4	9.6	10.4	10.7	10.6	10.1	10.2	10.6	8.2	10.7	9.5					
Jun 16	10.7	10.1	8.8	7.5	7.1	7.7	8.5	9.1	11.2	12.9	11.1	12.7	12.8	12.7	14.9	16	15.6	15.1	14.4	13.6	11.4	9.2	8	7.3	7.1	16.0	11.2					
Jun 17	6.2	5.6	5.7	5.5	5	4.9	6.3	9.1	9.9	10.3	11.1	10.7	11.9	12.8	13.8	14.4	14.1	14	13.4	12.7	11.7	10.3	9.1	7.7	4.9	14.4	9.8					
Jun 18	6.7	5.6	4.7	5.6	5.9	6.7	7.7	8.4	9.9	11.7	13	14	14.8	15.5	16	16.8	17.5	17.7	17.5	16.9	15.5	13.3	12.6	11.9	4.7	17.7	11.9					
Jun 19	10.9	8.5	8.3	7.2	6.7	8.3	9.5	10.9	13.2	15.3	K	K	18.9	19.9	20.3	20.6	20.6	20.7	20.3	19.7	18.4	17.1	14.6	12.6	6.7	20.7	14.7					
Jun 20	12.5	11.2	10.1	9.3	9.3	10.2	10.7	12.2	14.3	16.2	18.6	20.2	21.3	22.2	23	23.3	23.4	23.5	23.2	22.6	21.2	19.3	17.1	14.5	9.3	23.5	17.1					
Jun 21	13	11.5	10.5	9.9	9.8	11.2	12.6	14	15.3	17.8	19.9	21.9	23.3	24.2	24.7	24.9	25.3	25.2	25	24	22.7	19.8	16.9	15.5	9.8	25.3	18.3					
Jun 22	14.1	13.3	13	12.6	12.3	13.2	14.6	15.8	17.3	19.4	21.3	23.4	25	26.2	27.1	26.8	27.4	27.2	27.6	25.7	23.8	22.7	21.8	20.1	12.3	27.6	20.5					
Jun 23	18.5	17.8	17.3	17	15.6	15.1	15.9	18.2	19.1	19.8	20.2	19.2	20.4	20.9	18.1	17.5	17.4	13.1	12.3	13.2	14.2	14.3	13.4	12.9	12.3	20.9	16.7					
Jun 24	13.1	13	12.7	12.8	12.7	12.3	12.3	12.5	12.6	12.9	13.9	13.6	12.9	12.7	12.7	12.1	11.8	12	12.5	12.3	12.1	12.1	12	12.3	11.8	13.9	12.6					
Jun 25	12.3	12.1	11.5	10.5	9.7	9.7	10.6	12.1	13.8	15.2	16	16.7	17.8	18.1	18.8	19.2	19.2	19.6	19.5	18.5	17.2	16	13.8	12.9	9.7	19.6	15.0					
Jun 26	11.7	11.3	11.5	11.3	11.5	12	13.1	13.7	15.4	16.6	18.1	18.8	19.1	19.5	20.8	20.8	21.5	21.3	20.2	17.8	15.4	15.2	15	14.5	11.3	21.5	16.1					
Jun 27	13.9	13.9	14.1	14	13.9	13.7	14.8	14.7	15.2	16.3	17.8	18.6	19.3	20.2	20	20	21.3	21.8	21.6	20.8	18.9	16.6	15	13.8	13.7	21.8	17.1					
Jun 28	12.8	11.7	10.6	9.7	9.5	10.6	12.7	13.5	14.7	16.5	17.9	18.9	19.6	20.5	21	21.5	21.3	21.4	21.1	20.9	20.2	17.7	15.3	13.5	9.5	21.5	16.4					
Jun 29	11.9	11.6	10.9	10.6	10.5	12.2	13.6	14.3	15.7	17.7	19.8	21.1	22.9	24	24.7	25.2	25.4	25.3	24.5	23.5	21.8	18.8	19.1	18.3	10.5	25.4	18.5					
Jun 30	15.9	15	14.4	14	13.4	13.2	14.3	16.5	18.1	19.7	20.6	21.8	22.8	23.6	24.2	24.7	25.1	25	24	23.5	21.3	18.7	17.5	17.4	13.2	25.1	19.4					
Diurnal Maximum	18.5	17.8	17.3	17.0	15.6	15.1	15.9	18.2	19.1	19.8	21.3	23.4	25.0	26.2	27.1	26.8	27.4	27.2	27.6	25.7	23.8	22.7	21.8	20.1								
Diurnal Average	11.2	10.6	10.0	9.6	9.3	9.7	10.7	11.7	12.8	13.9	14.8	15.4	16.2	16.8	17.2	17.3	17.2	17.2	16.9	16.3	15.2	13.9	12.9	12.1								
C	Monthly Calibration										S	Daily Zero-Span Check										Q	Quality Assurance									
K	Collection Error										ND	No Data (Machine Not in Service)										Y	Routine Maintenance									
X	Invalid Data (Equipment Malfunction /Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure									
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 - June 2024
Summary of Hourly Averages
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	25.3	°C	on Jun 5 at hr 13	Hours in Service:	720																						
Maximum Daily Value:	22.4	°C	on Jun 24	Hours of Data:	716																						
Minimum Hourly Value:	20.4	°C	on Jun 19 at hr 7	Hours of Missing Data:	4																						
Minimum Daily Value:	21.3	°C	on Jun 8	Hours of Calibration:	0																						
Monthly Average:	21.9	°C		Operational Uptime:	99.4																						
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average	
Jun 1	21.0	21.1	21.3	21.5	21.5	21.2	21.1	21.1	20.8	21.0	21.2	21.4	21.7	21.8	21.7	22.0	22.1	21.8	21.9	21.9	22.2	22.2	22.3	22.8	20.8	22.8	21.6
Jun 2	22.6	22.1	21.3	21.1	21.2	20.8	20.8	21.2	22.2	21.9	21.9	21.8	21.9	22.0	22.2	22.0	22.1	21.7	21.8	21.8	21.8	22.4	22.7	22.7	20.8	22.7	21.8
Jun 3	22.4	22.7	22.5	22.0	22.0	21.9	21.9	21.9	21.6	21.6	21.7	22.0	22.1	22.3	22.4	22.5	22.5	22.4	22.4	22.6	22.7	22.6	22.5	22.5	21.6	22.7	22.2
Jun 4	22.5	22.5	22.3	22.2	22.2	22.1	22.0	22.0	22.2	22.5	22.2	22.3	22.1	22.0	22.1	22.3	22.4	22.2	22.3	22.4	22.3	22.3	21.8	21.1	21.1	22.5	22.2
Jun 5	20.8	21.0	21.1	21.2	21.3	21.2	21.0	21.0	21.2	21.2	21.3	21.6	23.8	25.3	21.3	21.5	21.6	21.9	22.1	22.1	22.1	22.9	22.8	22.4	20.8	25.3	21.8
Jun 6	22.2	21.5	21.1	21.4	21.3	20.9	20.8	21.4	21.9	21.3	21.1	21.4	22.0	22.0	22.0	21.9	22.0	22.2	22.0	22.6	23.0	21.9	22.4	22.5	20.8	23.0	21.8
Jun 7	22.1	21.4	21.0	21.3	21.2	20.9	21.5	21.0	20.9	21.1	21.3	21.3	21.6	21.7	21.8	22.0	22.2	22.1	22.1	22.4	22.3	21.3	21.3	21.5	20.9	22.4	21.6
Jun 8	21.4	21.4	21.4	21.3	21.4	21.5	21.3	21.3	21.3	21.2	21.0	20.8	20.9	21.2	21.7	21.9	22.0	22.0	21.6	21.0	21.1	21.1	21.1	21.1	20.8	22.0	21.3
Jun 9	21.1	21.2	21.2	21.2	21.2	21.1	21.1	21.1	21.1	22.1	22.4	22.4	22.2	22.3	22.1	22.1	22.2	22.2	22.2	22.2	22.4	22.5	21.9	21.3	21.1	22.5	21.8
Jun 10	21.1	21.1	21.2	21.1	21.2	21.3	21.5	21.7	22.1	22.1	21.8	21.5	21.9	21.7	22.1	22.4	21.9	22.1	21.8	21.6	22.0	22.2	22.4	22.5	21.1	22.5	21.8
Jun 11	22.6	22.4	22.6	22.6	22.7	22.6	21.7	21.3	21.5	21.7	21.7	22.0	21.9	22.2	22.1	22.4	22.4	22.2	22.1	22.1	22.2	22.2	22.3	22.4	21.3	22.7	22.2
Jun 12	22.5	22.6	22.0	21.8	22.1	22.3	22.4	22.1	22.2	22.1	22.1	21.9	22.0	22.2	22.2	22.2	22.2	22.1	22.3	22.2	22.4	22.3	22.2	22.5	21.8	22.6	22.2
Jun 13	22.5	22.4	22.4	22.6	22.6	22.5	22.3	22.3	22.1	22.2	21.9	21.9	21.9	21.9	21.9	22.0	22.0	22.2	22.0	21.6	21.8	22.1	22.4	22.4	21.6	22.6	22.2
Jun 14	22.7	22.4	21.8	21.0	21.1	20.9	21.3	21.8	21.6	21.8	P	P	21.4	22.0	21.9	21.8	22.2	22.3	22.3	22.3	22.4	22.3	22.6	22.5	20.9	22.7	21.9
Jun 15	22.6	22.4	22.7	22.6	22.4	22.3	22.4	22.3	22.2	22.0	21.7	21.6	21.6	21.5	21.3	21.1	21.1	21.3	21.4	21.7	21.9	21.7	21.4	21.3	21.1	22.7	21.9
Jun 16	21.1	20.9	21.0	21.2	21.4	21.1	20.9	20.8	21.4	21.0	22.0	22.0	21.8	22.2	22.3	22.0	21.9	22.0	22.1	22.3	22.3	22.4	21.3	21.3	20.8	22.4	21.6
Jun 17	21.4	21.5	21.4	21.4	21.5	21.4	21.2	21.3	21.4	21.8	21.6	21.9	22.1	22.1	22.0	22.1	21.9	22.0	22.2	22.3	22.4	22.6	22.1	21.2	21.2	22.6	21.8
Jun 18	21.2	21.5	21.6	21.5	21.2	21.2	21.0	21.2	21.8	21.4	21.6	21.5	21.8	22.0	22.0	22.2	22.3	22.1	21.8	21.7	21.9	22.3	22.4	22.8	21.0	22.8	21.8
Jun 19	22.2	21.4	21.2	21.3	21.4	20.9	21.1	20.4	21.2	21.8	K	K	21.5	21.7	21.9	22.0	21.9	22.1	21.9	21.9	22.0	21.8	22.4	22.3	20.4	22.4	21.7
Jun 20	22.8	22.5	21.9	21.2	21.0	20.9	21.5	21.3	21.0	21.1	21.6	21.9	21.9	22.2	22.1	21.9	22.0	21.9	22.0	22.0	21.8	21.6	22.1	22.4	20.9	22.8	21.8
Jun 21	22.6	22.5	22.3	21.7	21.1	21.2	21.6	21.1	20.9	21.4	21.7	21.8	21.9	21.8	21.7	22.0	22.5	22.5	22.0	21.9	21.7	21.6	22.0	22.2	20.9	22.6	21.8
Jun 22	22.4	22.4	22.5	22.8	22.7	22.3	21.4	21.2	21.1	21.5	21.7	22.0	21.5	21.8	22.5	23.0	23.1	23.4	23.4	21.8	21.9	21.7	21.6	21.8	21.1	23.4	22.1
Jun 23	22.1	22.2	22.1	22.2	22.4	22.3	22.2	21.9	21.6	21.5	21.7	21.5	21.8	22.0	21.7	21.9	22.0	22.2	22.3	22.4	22.2	22.3	22.2	22.4	21.5	22.4	22.0
Jun 24	22.2	22.3	22.3	22.3	22.2	22.3	22.2	22.3	22.1	22.2	22.3	22.1	22.3	22.7	22.9	22.8	22.5	22.5	22.3	22.2	22.4	22.5	22.3	22.3	22.1	22.9	22.4
Jun 25	22.5	22.5	22.4	22.6	22.1	21.7	21.7	21.4	21.2	21.0	21.4	21.4	21.9	22.1	22.1	22.0	22.0	22.0	21.9	22.0	21.6	22.1	22.3	22.6	21.0	22.6	21.9
Jun 26	22.4	22.7	22.5	22.3	22.3	22.5	22.1	22.2	22.0	22.0	22.0	21.8	22.1	22.0	22.2	22.0	22.3	21.8	21.9	21.6	22.0	22.2	22.4	22.3	21.6	22.7	22.2
Jun 27	22.3	22.2	22.4	22.2	22.4	22.4	21.9	22.2	22.1	22.1	21.8	22.0	22.0	21.9	22.3	22.1	22.2	21.9	21.8	21.7	21.8	22.0	22.4	22.4	21.7	22.4	22.1
Jun 28	22.4	22.7	22.2	21.6	21.0	21.2	21.6	21.2	21.0	21.1	21.3	21.8	21.9	22.1	22.2	22.1	22.1	22.1	21.9	22.2	21.7	21.7	22.2	22.4	21.0	22.7	21.8
Jun 29	22.5	22.8	22.5	22.1	21.7	21.9	21.4	21.3	21.1	21.5	21.8	21.9	21.9	22.0	21.8	21.6	22.1	22.1	22.1	22.1	22.0	21.9	21.7	21.9	22.0	21.1	22.8
Jun 30	22.1	22.5	22.4	22.5	22.2	22.4	22.2	21.6	21.8	21.9	21.8	22.0	21.6	21.9	22.0	21.8	22.3	22.4	21.6	22.1	21.7	21.7	22.0	22.2	21.6	22.5	22.0
Diurnal Maximum	22.8	22.8	22.7	22.8	22.7	22.6	22.4	22.3	22.2	22.5	22.4	22.4	23.8	25.3	22.9	23.0	23.1	23.4	23.4	22.6	23.0	22.9	22.8	22.8			
Diurnal Average	22.1	22.0	21.9	21.8	21.7	21.6	21.6	21.5	21.6	21.6	21.7	21.8	21.9	22.1	22.0	22.1	22.1	22.1	22.1	22.0	22.1	22.1	22.1	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.																											



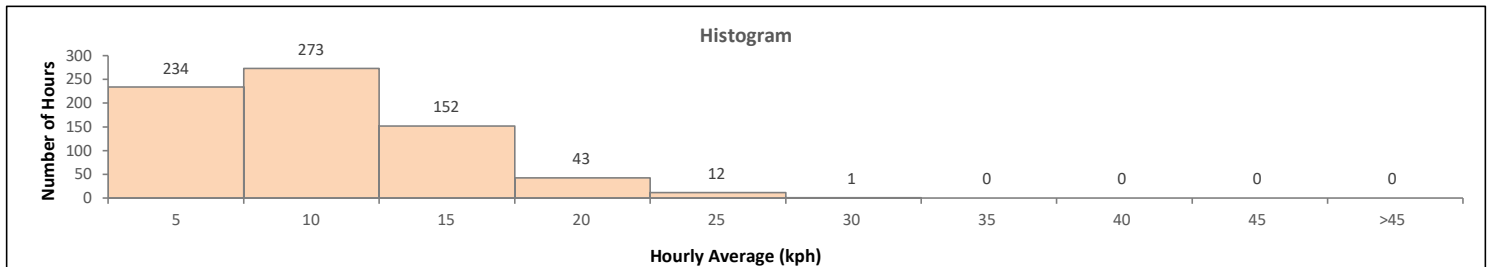
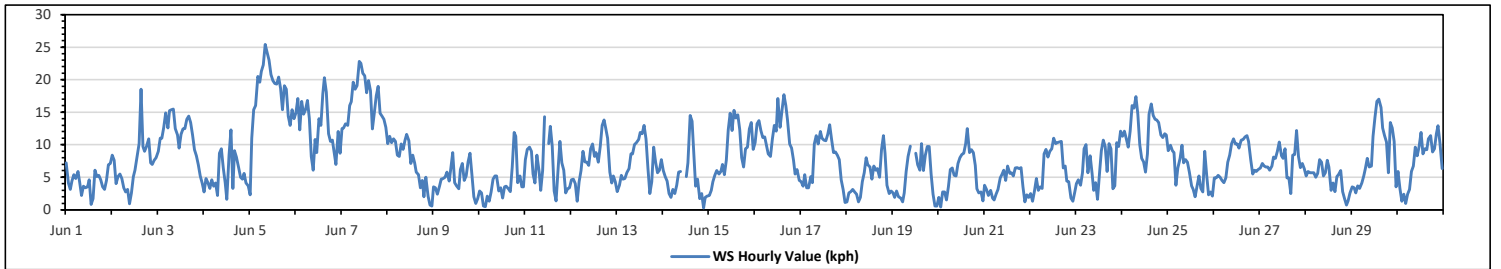
Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	25.4	kph	on Jun 5 at hr 8	Hours in Service:	720																								
Maximum Daily Value:	17.9	kph	on Jun 5	Hours of Data:	715																								
Minimum Hourly Value:	0.3	kph	on Jun 14 at hr 21	Hours of Missing Data:	5																								
Minimum Daily Value:	4.0	kph	on Jun 10	Hours of Calibration:	0																								
Monthly Average:	7.8	kph		Operational Uptime:	99.3																								
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average			
Jun 1	7.2	4.1	3.1	4.4	5.4	4.8	5.9	4.3	2.2	3.6	3.4	3.5	4.6	0.8	1.7	6.1	5.1	5.3	4.6	3.5	3.1	4.5	6.9	7.1	0.8	7.2	4.4		
Jun 2	8.4	7.6	4.0	5.1	5.5	4.8	3.4	2.7	3.1	0.9	2.6	5.1	6.1	8.3	10.2	18.5	9.7	9.0	9.7	10.9	7.2	7.0	7.6	8.0	0.9	18.5	6.9		
Jun 3	9.0	11.0	11.0	12.7	14.9	12.6	15.2	15.4	15.5	12.5	11.5	9.5	11.6	12.4	12.5	13.9	14.4	13.4	11.5	9.2	8.3	6.9	5.2	4.1	4.1	15.5	11.4		
Jun 4	2.7	4.8	4.2	3.3	4.6	3.6	4.1	2.2	8.7	9.4	6.4	4.2	1.6	8.4	12.3	3.3	9.1	8.1	6.5	5.0	4.7	5.6	4.1	3.7	1.6	12.3	5.4		
Jun 5	2.3	11.0	15.4	16.0	20.5	19.6	21.3	22.3	25.4	24.2	23.0	20.8	19.9	19.4	19.3	20.4	18.7	15.4	19.1	18.5	14.4	13.0	15.4	14.0	2.3	25.4	17.9		
Jun 6	14.9	17.1	12.3	16.7	14.7	15.4	16.8	14.0	8.2	6.1	10.8	8.8	14.0	13.0	17.8	20.3	18.1	11.7	10.5	10.7	9.0	7.0	12.0	8.7	6.1	20.3	12.9		
Jun 7	12.5	12.6	13.2	13.0	16.0	16.6	19.6	18.5	19.1	22.8	22.5	21.0	20.6	18.0	19.9	18.3	12.4	14.9	17.5	19.0	14.8	14.4	13.9	12.7	12.4	22.8	16.8		
Jun 8	10.2	11.3	10.3	10.9	10.5	8.4	8.2	10.1	9.3	10.7	11.6	10.6	7.1	8.4	7.2	5.8	5.4	3.4	4.5	2.0	5.0	2.1	0.7	0.6	0.6	11.6	7.3		
Jun 9	3.5	3.4	2.4	3.7	4.7	4.8	5.0	5.8	4.4	6.3	8.8	4.2	3.7	3.2	6.2	7.1	4.5	5.2	7.4	8.7	5.4	2.0	1.0	1.7	1.0	8.8	4.7		
Jun 10	2.9	2.6	0.6	0.5	2.1	1.3	2.7	4.7	5.2	5.2	2.9	3.4	1.8	3.5	3.6	3.2	2.8	6.6	11.9	11.3	4.2	5.2	3.5	3.5	0.5	11.9	4.0		
Jun 11	7.7	9.3	9.6	9.0	5.5	4.1	8.4	5.9	3.0	6.0	14.3	K	10.2	12.8	9.8	2.9	1.4	6.0	10.5	7.2	6.1	2.6	3.2	3.4	1.4	14.3	6.9		
Jun 12	4.6	4.7	4.0	1.3	4.3	6.0	9.0	7.4	7.3	6.8	9.4	10.1	8.2	8.8	7.3	9.7	13.0	13.8	12.6	11.0	5.8	4.1	5.2	4.3	1.3	13.8	7.4		
Jun 13	2.8	3.8	5.3	4.7	4.8	5.7	6.3	8.6	8.6	10.0	10.3	10.8	11.9	11.7	13.0	10.9	6.4	2.5	4.3	9.6	7.3	5.7	6.1	7.7	2.5	13.0	7.5		
Jun 14	6.0	5.1	4.4	2.5	1.9	3.1	2.5	3.8	5.8	5.9	P	P	5.1	7.2	14.5	13.6	8.1	3.6	4.7	1.7	2.5	0.3	1.9	2.1	0.3	14.5	4.8		
Jun 15	2.2	3.0	4.3	5.3	6.0	5.5	5.9	7.0	5.4	7.6	12.3	14.8	12.2	15.3	14.1	14.6	12.3	8.0	6.6	9.4	9.6	12.4	13.4	9.3	2.2	15.3	9.0		
Jun 16	10.3	13.2	13.7	12.2	11.1	11.2	9.8	8.6	8.2	10.9	13.0	12.1	17.1	12.7	15.3	17.7	16.0	13.9	10.1	9.5	7.6	5.5	6.2	4.5	4.5	17.7	11.3		
Jun 17	4.3	3.6	5.4	3.4	3.4	5.1	4.2	10.1	11.4	10.1	12.0	11.0	10.7	10.6	11.6	13.1	10.8	8.8	8.9	8.4	7.7	4.6	3.1	1.1	1.1	13.1	7.6		
Jun 18	1.2	2.6	2.8	3.1	2.7	2.4	1.2	1.9	4.3	5.7	8.0	6.9	6.6	4.7	6.7	6.1	6.3	5.0	9.2	11.4	8.7	3.8	2.5	2.9	1.2	11.4	4.9		
Jun 19	2.6	1.9	2.9	2.0	1.8	1.2	2.6	5.9	8.2	9.8	K	K	8.7	6.9	6.1	10.2	6.0	8.4	9.7	9.7	5.5	2.4	0.6	0.6	0.6	10.2	5.2		
Jun 20	1.9	0.4	2.7	2.7	1.5	3.5	6.2	6.4	5.3	5.2	7.1	8.0	8.5	8.7	10.2	12.5	8.8	9.2	8.8	6.8	3.2	2.6	2.7	1.4	0.4	12.5	5.6		
Jun 21	3.8	3.1	2.2	3.0	1.8	1.5	2.4	3.1	4.9	5.4	6.1	4.5	6.7	5.6	5.7	5.2	6.4	6.5	6.3	6.5	3.5	1.2	2.3	1.9	1.2	6.7	4.2		
Jun 22	2.5	1.3	2.9	4.8	3.0	3.5	3.3	8.6	9.3	8.1	9.0	9.4	11.0	10.2	10.3	10.4	10.5	6.4	6.7	4.4	4.3	1.8	1.3	2.7	1.3	11.0	6.1		
Jun 23	4.0	4.6	3.8	5.7	9.4	10.0	5.7	8.3	5.6	3.0	4.2	1.6	6.1	9.1	10.7	9.7	5.9	10.2	9.4	3.2	3.7	10.3	9.7	12.1	1.6	12.1	6.9		
Jun 24	11.3	12.1	10.9	9.6	12.1	16.0	15.6	17.4	14.7	10.0	7.9	7.4	5.8	8.6	14.7	16.3	14.5	13.9	13.8	13.4	11.5	11.1	11.7	11.5	5.8	17.4	12.2		
Jun 25	9.1	9.9	9.1	8.8	3.8	6.4	7.9	9.9	7.2	7.7	7.3	5.8	3.7	3.1	2.0	3.6	5.2	3.3	2.7	9.0	5.4	2.3	2.7	2.1	2.0	9.9	5.8		
Jun 26	4.9	4.9	5.3	5.0	4.5	4.2	4.9	7.3	8.4	10.2	10.9	10.1	10.1	9.5	10.7	10.8	11.2	11.4	10.5	7.6	5.5	6.1	5.9	6.2	4.2	11.4	7.8		
Jun 27	6.4	7.1	6.7	6.6	6.6	6.1	6.7	8.1	7.9	9.0	10.4	8.3	7.9	9.4	4.9	4.9	2.5	8.4	8.5	12.2	8.2	6.5	7.1	6.3	2.5	12.2	7.4		
Jun 28	5.2	5.9	5.7	5.7	5.7	5.0	5.6	7.7	7.3	5.2	5.7	7.6	6.6	3.0	4.1	2.8	5.1	5.4	6.0	2.8	1.7	0.7	1.4	2.6	0.7	7.7	4.8		
Jun 29	3.5	3.4	2.6	3.7	3.3	4.1	5.2	6.3	7.9	6.6	6.7	11.3	14.2	16.7	17.0	15.7	12.6	11.4	10.4	5.7	13.4	12.6	10.5	3.5	2.6	17.0	8.7		
Jun 30	5.9	3.3	1.3	2.4	1.0	2.4	3.1	5.9	6.7	9.6	8.3	9.7	11.9	8.6	9.4	9.2	10.9	11.4	8.9	9.4	11.7	12.9	10.3	6.3	1.0	12.9	7.5		
Diurnal Maximum	14.9	17.1	15.4	16.7	20.5	19.6	21.3	22.3	25.4	24.2	23.0	21.0	20.6	19.4	19.9	20.4	18.7	15.4	19.1	19.0	14.8	14.4	15.4	14.0					
Diurnal Average	5.8	6.3	6.1	6.3	6.4	6.6	7.3	8.3	8.3	8.5	9.5	8.9	9.1	9.3	10.3	10.6	9.1	8.7	9.1	8.6	7.0	5.9	5.9	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.																													
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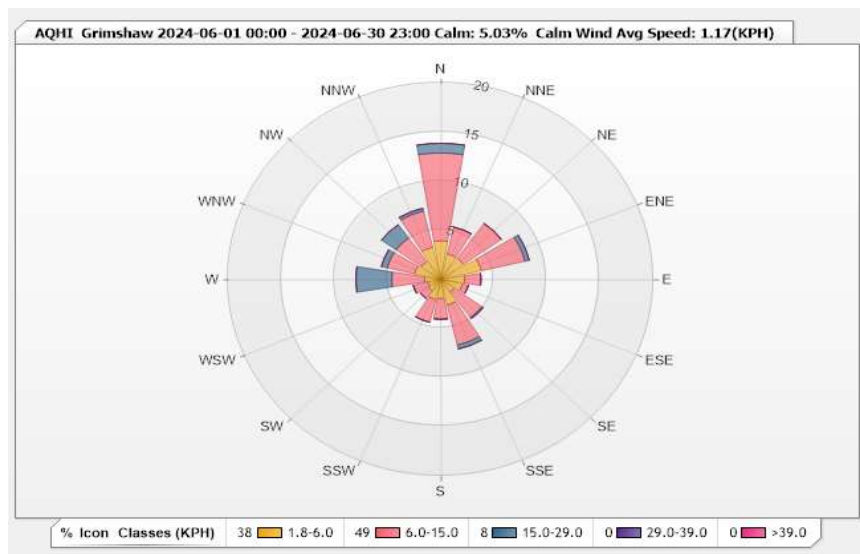


Station: AQHI Grimshaw Monitor: WDS [KPH] Monthly: 06-2024

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

Calm (WS<1.8kph): 5.03% Valid Data: 99.31%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	3.92	8.95	0.98	0	0	13.85
NNE	2.66	2.8	0	0	0	5.46
NE	2.66	4.34	0	0	0	7
ENE	3.92	4.2	0.42	0	0	8.54
E	2.24	1.54	0	0	0	3.78
ESE	2.1	0.56	0	0	0	2.66
SE	1.54	3.22	0.14	0	0	4.9
SSE	2.66	4.2	0.42	0	0	7.28
S	1.96	2.1	0	0	0	4.06
SSW	2.1	2.38	0	0	0	4.48
SW	1.4	0.98	0	0	0	2.38
WSW	1.26	1.4	0	0	0	2.66
W	1.54	3.08	3.36	0	0	7.98
WNW	2.52	2.66	0.56	0	0	5.74
NW	2.24	2.94	1.68	0	0	6.86
NNW	3.36	3.78	0.28	0	0	7.42
Summary	38.08	49.13	7.84	0	0	95.05



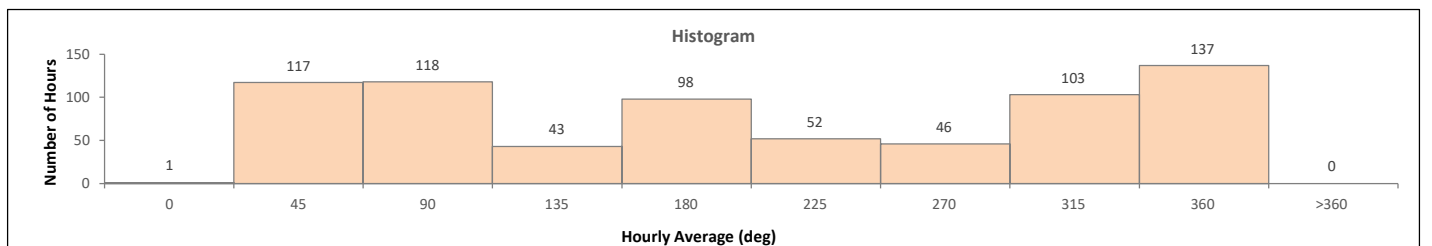
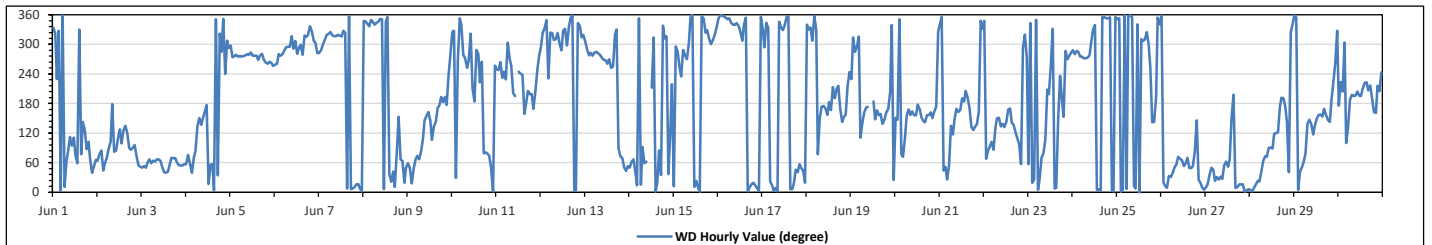
Peace River Area Monitoring Program

AQHI - Grimshaw Station - June 2024

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

Monthly Average:										5 (N) degree										Hours in Service:										720		Hours of Data:										715		Hours of Missing Data:										5		Hours of Calibration:										0		Operational Uptime:										99.3	
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																																																					
Jun 1	NNW	NW	SW	NNW	N	N	NNE	ENE	E	ESE	E	ESE	ENE	ENE	NNW	ENE	SE	SE	E	E	ENE	NE	NE	ENE	58	ENE																																																					
Jun 2	ENE	ENE	E	NE	ENE	ENE	E	E	S	E	E	ESE	SE	E	SE	SE	ESE	E	E	E	E	ENE	NE	NE	90	E																																																					
Jun 3	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	NE	NE	NE	ENE	57	ENE																																																					
Jun 4	ENE	ENE	ENE	NE	ENE	E	SE	SSE	SE	SSE	SSE	S	NNE	NE	ENE	N	N	NE	NW	WNW	N	WSW	NW	WNW	52	NE																																																					
Jun 5	WNW	W	W	W	W	W	W	W	W	W	W	W	WNW	W	W	W	W	W	W	W	W	W	W	WSW	274	W																																																					
Jun 6	WSW	W	W	W	W	WNW	WNW	WNW	WNW	NW	WNW	NW	W	WNW	WNW	W	NW	NW	NW	NNW	NW	NW	WNW	W	296	WNW																																																					
Jun 7	W	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	N	N	N	N	N	NNE	NNE	N	N	334	NNW																																																					
Jun 8	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	N	N	N	NNW	N	NE	NNE	NE	NNE	ENE	SSE	ENE	ENE	NNE	NE	10	N																																																					
Jun 9	ENE	NE	NNE	NE	ENE	ENE	E	ESE	SE	SSE	SSE	SE	ESE	SE	SE	S	S	S	S	S	S	SW	W	130	SE																																																						
Jun 10	NW	NNW	NNE	W	N	NNW	W	W	WSW	W	NW	SSW	S	WNW	W	SW	W	ENE	E	ENE	ENE	NE	N	WSW	306	NW																																																					
Jun 11	WSW	WSW	W	SW	WSW	SW	WNW	W	WSW	SSW	SSW	K	WSW	WSW	SW	SSE	S	SSW	SSW	SSW	SSE	SSW	WSW	W	229	SW																																																					
Jun 12	WNW	NW	NNW	NNW	SW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNW	NNW	NW	NW	NW	325	NW																																																					
Jun 13	NW	WNW	W	W	W	WNW	WNW	W	W	W	W	W	W	WSW	WSW	NW	NNW	E	ENE	ENE	NE	NE	NE	NE	297	WNW																																																					
Jun 14	NE	ENE	ENE	NE	NNE	N	NNE	E	ENE	ENE	P	P	SSW	NW	N	NNE	E	NE	NNW	NW	NW	NE	ESE	SW	30	NNE																																																					
Jun 15	NNE	WNW	WNW	WSW	SW	WNW	W	W	WNW	N	N	NNE	NNE	N	N	N	N	NW	NNW	NW	WNW	NW	NW	NNW	323	NW																																																					
Jun 16	N	N	N	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NW	NNW	NW	N	N	N	N	NNE	NNE	N	N	N	353	N																																																					
Jun 17	NNW	WNW	NNW	NNW	NNE	NNE	N	N	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NE	NE	ENE	NE	NE	NNE	4	N																																																					
Jun 18	NNW	NNW	NNW	NW	N	NNW	ENE	SSE	S	S	SSE	SSE	S	SSE	SSW	S	SSW	SW	SSE	SE	SSE	SSE	SW	WSW	191	S																																																					
Jun 19	SW	NW	WNW	WNW	NW	ESE	SE	SSE	S	S	K	K	S	SE	SSE	SSE	SSE	SE	SE	SSE	SE	SSE	SSW	NNW	175	S																																																					
Jun 20	SSE	SE	N	ENE	ENE	ESE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	NW	149	SSE																																																					
Jun 21	NNW	N	NE	NE	NNE	NE	SE	ESE	SE	SSE	SSE	SSE	S	S	SSW	S	S	SE	SE	SE	SE	SSE	NNW	NNW	134	SE																																																					
Jun 22	NNW	ENE	E	E	E	E	SE	SSE	SSE	SE	SE	SE	SE	SE	SSE	SSE	SE	ESE	ESE	E	ENE	WNW	NW	W	119	ESE																																																					
Jun 23	ENE	NNW	NNE	NNE	N	N	NNE	ENE	ENE	ESE	SSW	SSW	WSW	NNW	N	N	SE	SW	S	SSE	WNW	W	W	W	345	NNW																																																					
Jun 24	WNW	W	WNW	WNW	W	W	W	W	W	W	NW	NNW	NNW	N	N	N	N	N	N	N	N	N	N	N	N	322	NW																																																				
Jun 25	N	N	N	N	N	N	N	N	N	NNE	N	NNW	N	NW	NW	NW	NW	WNW	WSW	SE	SE	S	N	NNW	344	NNW																																																					
Jun 26	N	NNE	NNE	N	NNE	NNE	NE	NE	NE	ENE	ENE	ENE	NE	ENE	ENE	NE	NE	NE	E	SE	NNE	NNE	N	N	43	NE																																																					
Jun 27	N	NNE	NE	NE	NE	NNE	NNE	NNE	NNE	NE	ENE	ENE	NE	ENE	SSE	SSW	N	N	NNE	NNE	NNE	N	N	N	30	NNE																																																					
Jun 28	N	N	N	NNE	NNE	NNE	NE	ENE	ENE	E	E	E	ESE	ESE	ESE	S	S	S	S	SE	NE	NW	NNW	70	ENE																																																						
Jun 29	N	N	N	NE	NE	ENE	ENE	SE	SE	SE	ESE	SE	SSE	SSE	SSE	SSE	SSE	SE	SE	S	SW	W	NNW	130	SE																																																						
Jun 30	S	SW	SSW	WNW	E	SE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SW	S	SSE	SSE	SW	WSW	WSW	199	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																																																								
X	Invalid Data (Machine Malfunction/Recovery)										NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)										P	Power Failure																																																								
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 - June 2024

Summary of Hourly Averages

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

WIND SPEED																											
Maximum Hourly Value:		25.4	kph	on Jun 5 at hr 8										Hours in Service:		720											
Maximum Daily Value:		17.9	kph	on Jun 5										Hours of Data:		715											
Minimum Hourly Value:		0.3	kph	on Jun 14 at hr 21										Hours of Missing Data:		5											
Minimum Daily Value:		4.0	kph	on Jun 10										Hours of Calibration:		0											
Monthly Average:		7.8	kph											Operational Uptime:		99.3											
WIND DIRECTION																											
Monthly Average:		5 degree (N)																									
Day	0	1	2	3	4	5	6	7	8	9	Hourly Period Starting at (MST)													Daily Minimum	Daily Maximum	Daily Average	
	10	11	12	13	14	15	16	17	18	19	20	21	22	23													
Jun 1	7.2	4.1	3.1	4.4	5.4	4.8	5.9	4.3	2.2	3.6	3.4	3.5	4.6	0.8	1.7	6.1	5.1	5.3	4.6	3.5	3.1	4.5	6.9	7.1	0.8	7.2	4.4
	NNW	NW	SW	NNW	N	N	NNE	ENE	E	ESE	E	ESE	ENE	ENE	NNW	ENE	SE	SE	E	E	ENE	NE	NE	ENE	ENE	58(ENE)	
Jun 2	8.4	7.6	4.0	5.1	5.5	4.8	3.4	2.7	3.1	0.9	2.6	5.1	6.1	8.3	10.2	18.5	9.7	9.0	9.7	10.9	7.2	7.0	7.6	8.0	0.9	18.5	6.9
	ENE	ENE	E	NE	ENE	ENE	E	E	S	E	E	ESE	SE	E	SE	SE	ESE	E	E	E	ENE	NE	NE	ENE	ENE	90(E)	
Jun 3	9.0	11.0	11.0	12.7	14.9	12.6	15.2	15.4	15.5	12.5	11.5	9.5	11.6	12.4	12.5	13.9	14.4	13.4	11.5	9.2	8.3	6.9	5.2	4.1	4.1	15.5	11.4
	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	ENE	ENE	57(ENE)	
Jun 4	2.7	4.8	4.2	3.3	4.6	3.6	4.1	2.2	8.7	9.4	6.4	4.2	1.6	8.4	12.3	3.3	9.1	8.1	6.5	5.0	4.7	5.6	4.1	3.7	1.6	12.3	5.4
	ENE	ENE	ENE	NE	ENE	E	SE	SSE	SE	SSE	SSE	S	NNE	NE	ENE	N	N	NE	NW	WNW	N	WSW	NW	WNW	52(NE)		
Jun 5	2.3	11.0	15.4	16.0	20.5	19.6	21.3	22.3	25.4	24.2	23.0	20.8	19.9	19.4	19.3	20.4	18.7	15.4	19.1	18.5	14.4	13.0	15.4	14.0	2.3	25.4	17.9
	WNW	W	W	W	W	W	W	W	W	W	W	WNW	W	W	W	W	W	W	W	W	W	W	W	WSW	274(W)		
Jun 6	14.9	17.1	12.3	16.7	14.7	15.4	16.8	14.0	8.2	6.1	10.8	8.8	14.0	13.0	17.8	20.3	18.1	11.7	10.5	10.7	9.0	7.0	12.0	8.7	6.1	20.3	12.9
	WSW	W	W	W	W	WNW	WNW	WNW	WNW	NW	WNW	NW	W	WNW	WNW	W	NW	NNW	NNW	NNW	NNW	NNW	W		296(WNNW)		
Jun 7	12.5	12.6	13.2	13.0	16.0	16.6	19.6	18.5	19.1	22.8	22.5	21.0	20.6	18.0	19.9	18.3	12.4	14.9	17.5	19.0	14.8	14.4	13.9	12.7	12.4	22.8	16.8
	W	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	N	N	N	N	NNE	NNE	N	N		334(NNW)		
Jun 8	10.2	11.3	10.3	10.9	10.5	8.4	8.2	10.1	9.3	10.7	11.6	10.6	7.1	8.4	7.2	5.8	5.4	3.4	4.5	2.0	5.0	2.1	0.7	0.6	0.6	11.6	7.3
	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	N	N	N	NNW	N	NE	NNE	NE	NNE	ENE	SSE	ENE	ENE	NNE	NE		10(N)		
Jun 9	3.5	3.4	2.4	3.7	4.7	4.8	5.0	5.8	4.4	6.3	8.8	4.2	3.7	3.2	6.2	7.1	4.5	5.2	7.4	8.7	5.4	2.0	1.0	1.7	1.0	8.8	4.7
	ENE	NE	NNE	NE	ENE	ENE	E	ESE	SE	SSE	SSE	SE	SE	ESE	SE	S	S	S	S	S	S	SW	W		130(SE)		
Jun 10	2.9	2.6	0.6	0.5	2.1	1.3	2.7	4.7	5.2	5.2	2.9	3.4	1.8	3.5	3.6	3.2	2.8	6.6	11.9	11.3	4.2	5.2	3.5	3.5	0.5	11.9	4.0
	NW	NNW	NNE	W	N	NNW	W	W	WSW	W	NW	SSW	S	WNW	W	SW	W	ENE	E	ENE	ENE	NE	N	WSW	306(NW)		
Jun 11	7.7	9.3	9.6	9.0	5.5	4.1	8.4	5.9	3.0	6.0	14.3	K	10.2	12.8	9.8	2.9	1.4	6.0	10.5	7.2	6.1	2.6	3.2	3.4	1.4	14.3	6.9
	WSW	WSW	W	SW	WSW	SW	WNW	W	WSW	SSW	SSW	K	WSW	WSW	SW	SSE	S	SSW	SSW	SSW	SSE	SSW	WSW	W	229(SW)		
Jun 12	4.6	4.7	4.0	1.3	4.3	6.0	9.0	7.4	7.3	6.8	9.4	10.1	8.2	8.8	7.3	9.7	13.0	13.8	12.6	11.0	5.8	4.1	5.2	4.3	1.3	13.8	7.4
	WNW	NW	NNW	NNW	SW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	NNW	NW	NW		325(NW)		
Jun 13	2.8	3.8	5.3	4.7	4.8	5.7	6.3	8.6	8.6	10.0	10.3	10.8	11.9	11.7	13.0	10.9	6.4	2.5	4.3	9.6	7.3	5.7	6.1	7.7	2.5	13.0	7.5
	NW	NNW	W	W	W	WNW	WNW	W	W	W	W	W	W	W	WSW	WSW	NW	NNW	E	ENE	ENE	NE	NE		297(WNNW)		
Jun 14	6.0	5.1	4.4	2.5	1.9	3.1	2.5	3.8	5.8	5.9	P	P	5.1	7.2	14.5	13.6	8.1	3.6	4.7	1.7	2.5	0.3	1.9	2.1	0.3	14.5	4.8
	NE	ENE	ENE	NE	NNE	N	NNE	E	ENE	ENE	P	P	SSW	NW	N	NNE	E	NE	NNW	NW	NW	NE	ESE	SW	30(NNE)		
Jun 15	2.2	3.0	4.3	5.3	6.0	5.5	5.9	7.0	5.4	7.6	12.3	14.8	12.2	15.3	14.1	14.6	12.3	8.0	6.6	9.4	9.6	12.4	13.4	9.3	2.2	15.3	9.0
	NNE	WNW	WNW	WSW	SW	WNW	W	W	WNW	N	N	NNE	NNE	N	N	N	NW	NNW	NW	WNW	NW	NW	NNW		323(NW)		
Jun 16	10.3	13.2	13.7	12.2	11.1	11.2	9.8	8.6	8.2	10.9	13.0	12.1	17.1	12.7	15.3	17.7	16.0	13.9	10.1	9.5	7.6	5.5	6.2	4.5	4.5	17.7	11.3
	N	N	N	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	N	N		353(N)		
Jun 17	4.3	3.6	5.4	3.4	3.4	5.1	4.2	10.1	11.4	10.1	12.0	11.0	10.7	10.6	11.6	13.1	10.8	8.8	8.9	8.4	7.7	4.6	3.1	1.1	1.1	13.1	7.6
	NNW	WNW	NNW	NNW	NNE	NNE	N	N	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NE	ENE	NE	ENE	NE	NNE		4(N)		
Jun 18	1.2	2.6	2.8	3.1	2.7	2.4	1.2	1.9	4.3	5.7	8.0	6.9	6.6	4.7	6.7	6.1	6.3	5.0	9.2	11.4	8.7	3.8	2.5	2.9	1.2	11.4	4.9
	NNW	NNW	NNW	NW	N	NNW	ENE	SSE	S	S	SSE	SSE	S	SSE	SSW	S	SSW	SW	SSE	SE	SSE	SSE	SW	WSW	191(S)		
Jun 19	2.6	1.9	2.9	2.0	1.8	1.2	2.6	5.9	8.2	9.8	K	K	8.7	6.9	6.1	10.2	6.0	8.4	9.7	9.7	5.5	2.4	0.6	0.6	0.6	10.2	5.2
	SW	NW	WNW	WNW	NW	ESE	SE	SSE	S	S	K	K	S	SE	SSE	SSE	SSE	SE	SE	SSE	SSE	SSW	NNW	NNE	175(S)		
Jun 20	1.9	0.4	2.7	2.7	1.5	3.5	6.2	6.4	5.3	5.2	7.1	8.0	8.5	8.7	10.2	12.5	8.8	9.2	8.8	6.8	3.2	2.6	2.7	1.4	0.4	12.5	5.6
	SSE	SE	N	ENE	ENE	ESE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SE	SE	SSE	SSE	SSE	SSE	S	NW		149(SSE)		
Jun 21	3.8	3.1	2.2	3.0	1.8	1.5	2.4	3.1	4.9	5.4	6.1	4.5	6.7	5.6	5.7	5.2	6.4	6.5	6.3	6.5	3.5	1.2	2.3	1.9	1.2	6.7	4.2
	NNW	N	NE	NE	NNE	NE	SE	ESE	SE	SSE	SSE	SSE	S	S	SSW	S	S	SE	SE	SE	SSE	NNW	NNW		134(SE)		
Jun 22	2.5	1.3	2.9	4.8	3.0	3.5	3.3	8.6	9.3	8.1	9.0	9.4	11.0	10.2	10.3	10.4	10.5	6.4	6.7	4.4	4.3	1.8	1.3	2.7	1.3	11.0	6.1
	NNW	ENE	E	E	E	E	SE	SSE	SSE	SE	SE	SE	SE	SSE	SSE	SE	SE	ESE	ESE	E	ENE	WNW	NW	W	119(ESE)		
Jun 23	4.0	4.6	3.8	5.7	9.4	10.0	5.7	8.3	5.6	3.0	4.2	1.6	6.1	9.1	10.7	9.7	5.9	10.2	9.4	3.2	3.7	10.3	9.7	12.1	1.6	12.1	6.9
	ENE	NNW	NNE	NNE	N	N	NNE	ENE	ENE	ESE	SSW	SSW	WSW	NNW	N	N	SE	SW	S	SSE	WNW	W	W	W	345(NNW)		
Jun 24	11.3	12.1	10.9	9.6	12.1	16.0	15.6	17.4	14.7	10.9	7.9	7.4	5.8	8.6	14.7	16.3	14.5	13.9	13.8	13.4	11.5	11.1	11.7	11.5	5.8	17.4	12.2
	WNW	W	WNW	WNW	W	W	W	W	W	W	NW	NNW	NNW	N	N	N	N	N	N	N	N	N	N	N	322(NW)		
Jun 25	9.1	9.9	9.1	8.8	3.8	6.4	7.9	9.9	7.2	7.7	7.3	5.8	3.7	3.1	2.0	3.6	5.2	3.3	2.7	9.0	5.4	2.3	2.7	2.1	2.0	9.9	5.8
	N	N	N	N	N	N	N	N	N	N	NNE	N	NNW	N	NW	NW	NW	NNW	WSW	SE	S	N	NNW		344(NNW)		
Jun 26	4.9	4.9	5.3	5.0	4.5	4.2	4.9	7.3	8.4	10.2	10.9	10.1	10.1	9.5	10.7	10.8	11.2	11.4	10.5	7.6	5.5	6.1	5.9	6.2	4.2	11.4	7.8
	N	NNE	NNE	N	NNE	NNE	NE	NE	ENE	ENE	ENE	NE	ENE	ENE	NE	NE	NE	E	SE	NNE	NNE	N	N		43(NE)		
Jun 27	6.4	7.1	6.7	6.6	6.6	6.1	6.7	8.1	7.9	9.0	10.4	8.3	7.9	9.4	4.9	4.9	2.5	8.4	8.5	12.2	8.2	6.5	7.1	6.3	2.5	12.2	7.4
	N	NNE	NE	NE	NE	NNE	NNE	NNE	NNE	NE	ENE	NE	ENE	ENE	SSE	SSW	N	N	NNE	NNE	NNE	N	N		30(NNE)		
Jun 28	5.2	5.9	5.7	5.7	5.7	5.0	5.6	7.7	7.3	5.2	5.7	7.6	6.6	3.0	4.1	2.8	5.1	5.4	6.0	2.8	1.7	0.7	1.4	2.6	0.7	7.7	4.8
	N	N	N	NNE	NNE	NNE	NNE	ENE	ENE	E	E	E	ESE	ESE	ESE	S	S	S	SE	NE	NW	NW		70(ENE)			
Jun 29	3.5	3.4	2.6	3.7	3.3	4.1	5.2	6.3	7.9	6.6	6.7	11.3	14.2	16.7	17.0	15.7	12.6	11.4	10.4	5.7	13.4	12.6	10.5	3.5	2.6	17.0	8.7
	N	N	N	NE	NE																						

END OF REPORT

This page, 146 of 146, ends the June 2024 Monthly Ambient Air Quality Monitoring Report.



Peace River Area Monitoring Program

JUNE 2024

Ambient Air Monitoring Calibration Report

- 842-B STATION-

CAL-PRAMP-202406-01561

Operation and Maintenance:

Bureau Veritas Canada

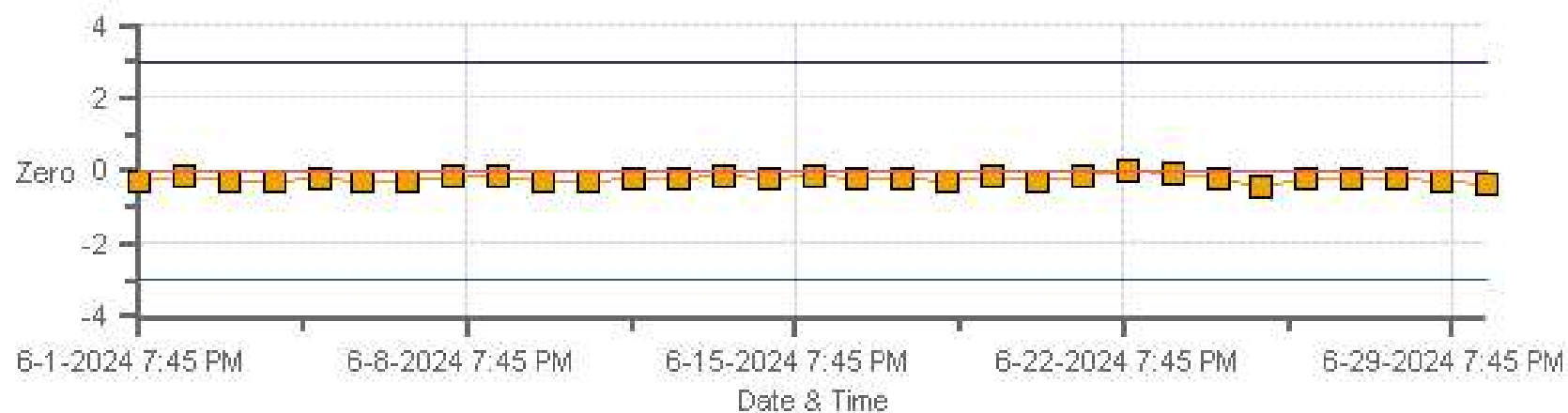
Data Validation and Report:

Bureau Veritas Canada

July 10, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO₂[ppb] Calibration: PRAMP 842-B Monthly: 06-2024 Type: SpanAndZero - Zero



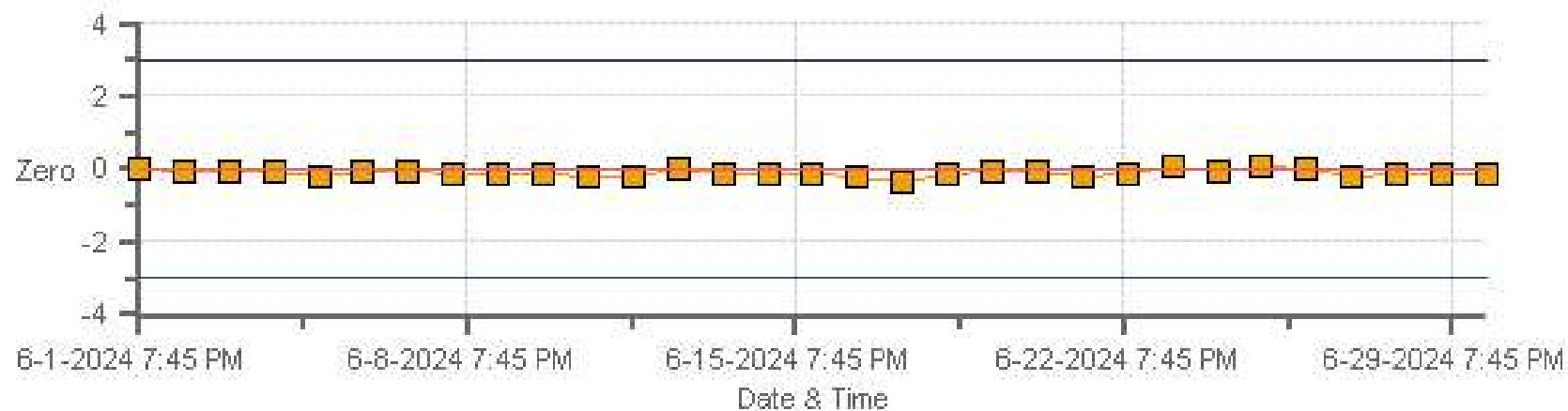
Zero Zero Ref Zero Low Zero High

SO₂[ppb] Calibration: PRAMP 842-B Monthly: 06-2024 Type: SpanAndZero - Span



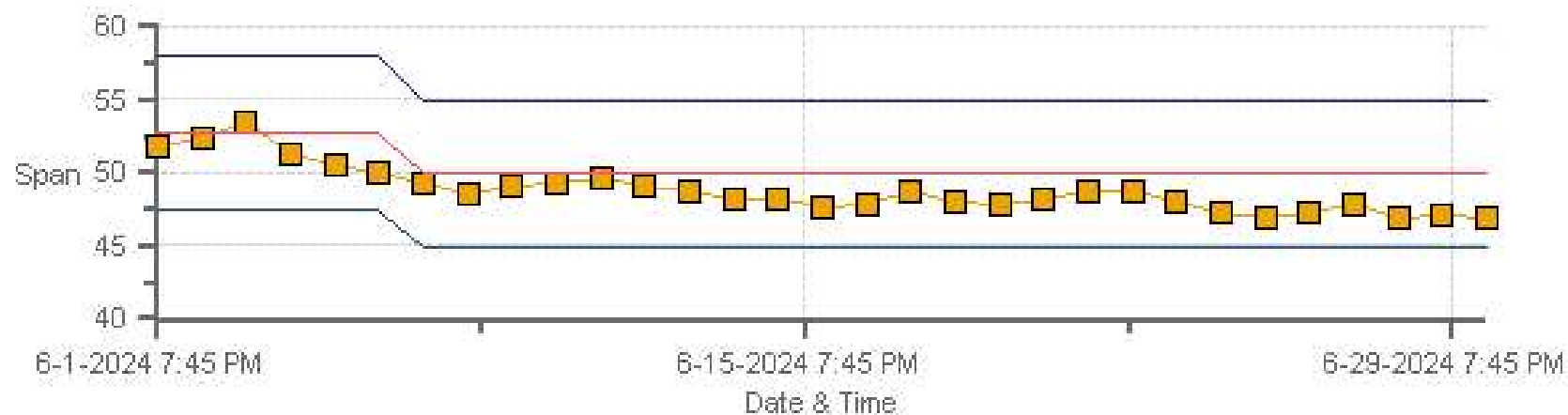
Span Span Ref Span Low Span High

TRS[ppb] Calibration: PRAMP 842-B Monthly: 06-2024 Type: SpanAndZero - Zero



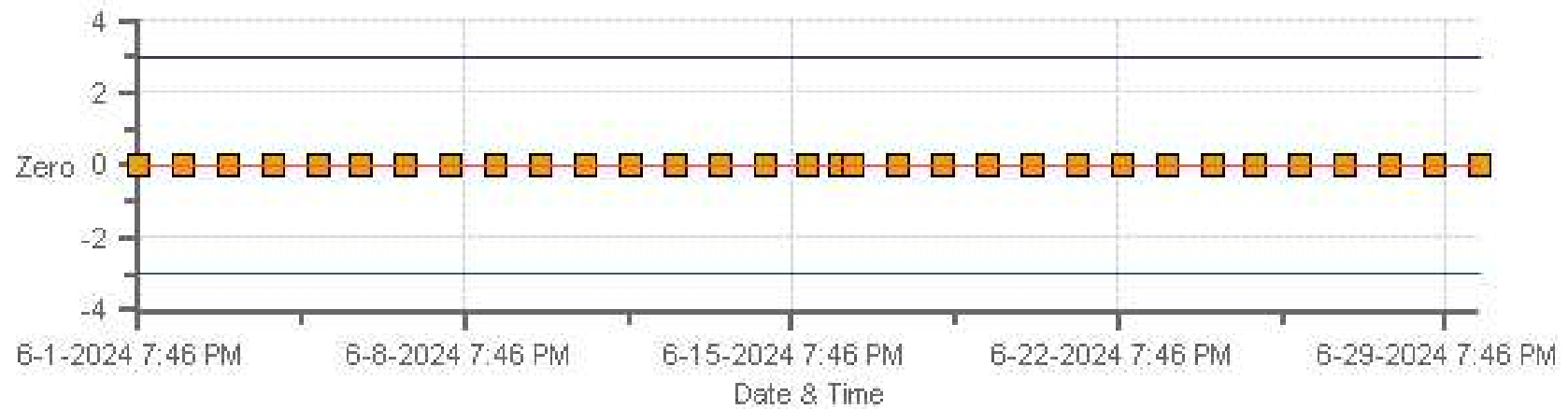
Zero Zero Ref Zero Low Zero High

TRS[ppb] Calibration: PRAMP 842-B Monthly: 06-2024 Type: SpanAndZero - Span



Span Span Ref Span Low Span High

THC55[ppm] Calibration: PRAMP 842-B Monthly: 06-2024 Type: SpanAndZero - Zero



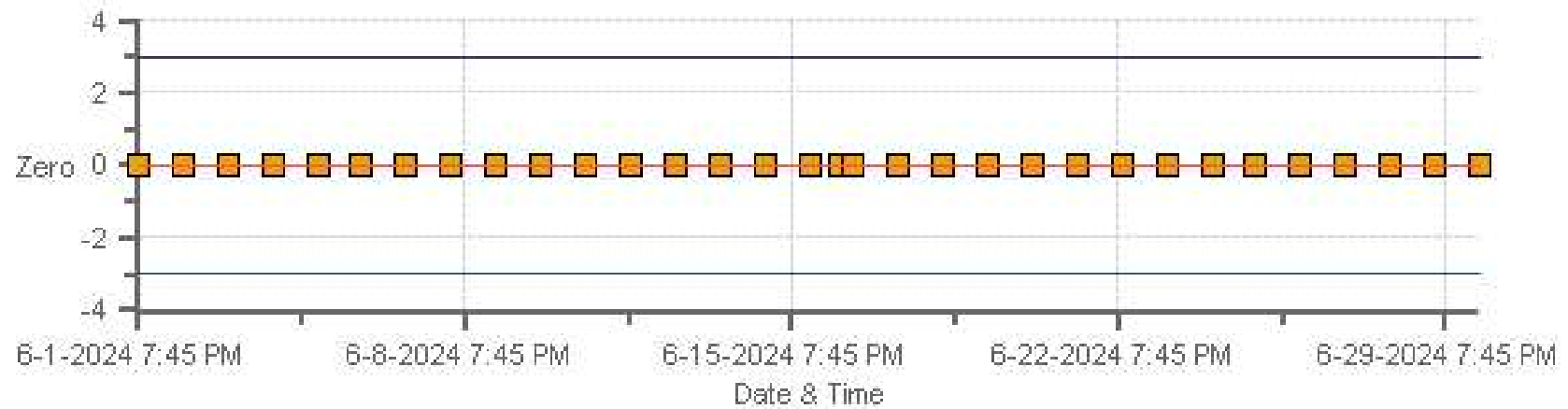
Zero Zero Ref Zero Low Zero High

THC55[ppm] Calibration: PRAMP 842-B Monthly: 06-2024 Type: SpanAndZero - Span



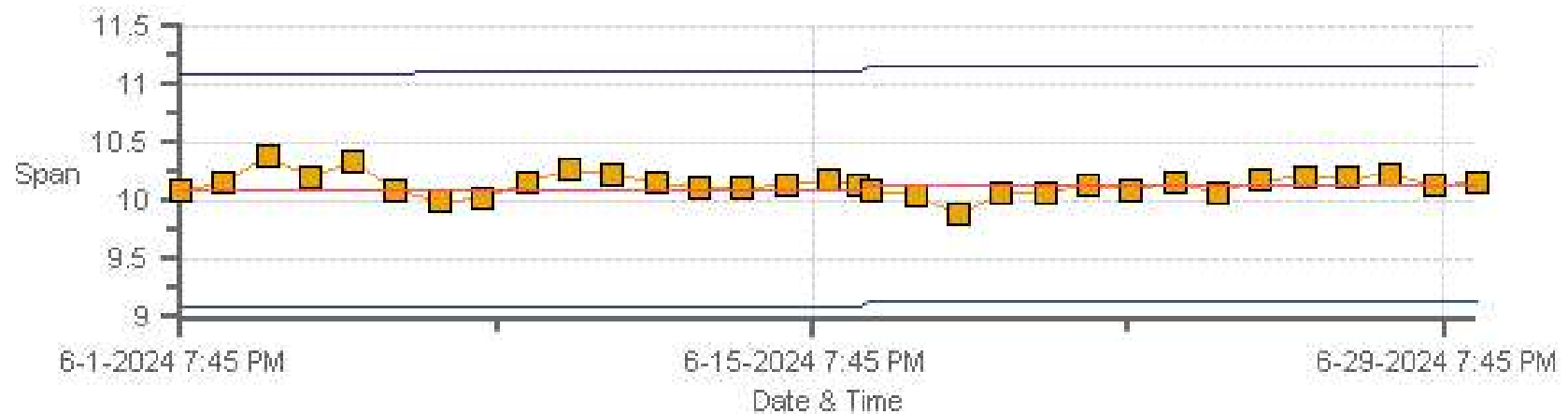
Span Span Ref Span Low Span High

CH4[ppm] Calibration: PRAMP 842-B Monthly: 06-2024 Type: SpanAndZero - Zero



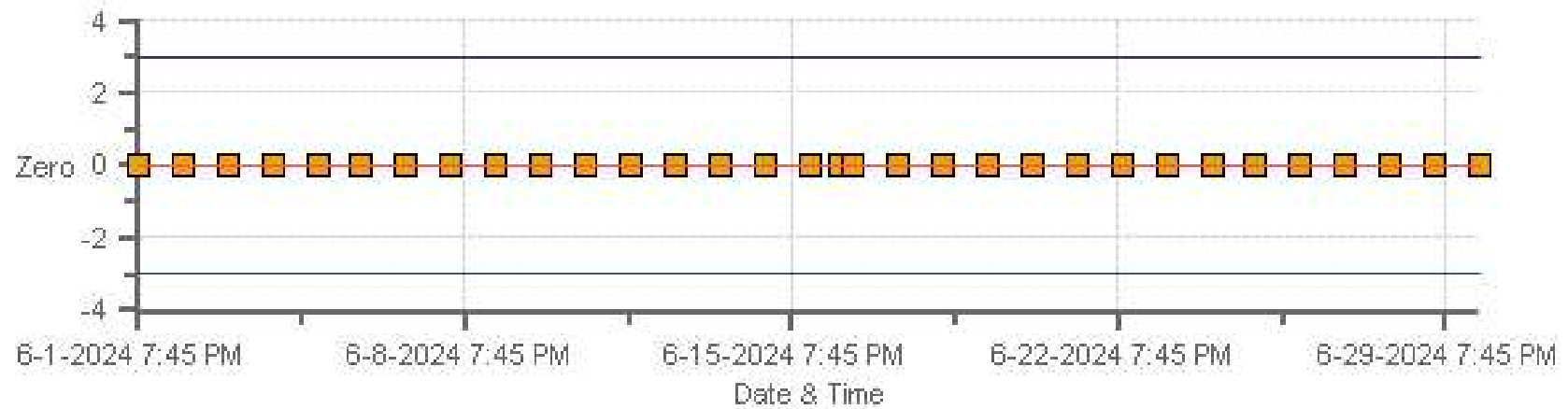
Zero Zero Ref Zero Low Zero High

CH4[ppm] Calibration: PRAMP 842-B Monthly: 06-2024 Type: SpanAndZero - Span



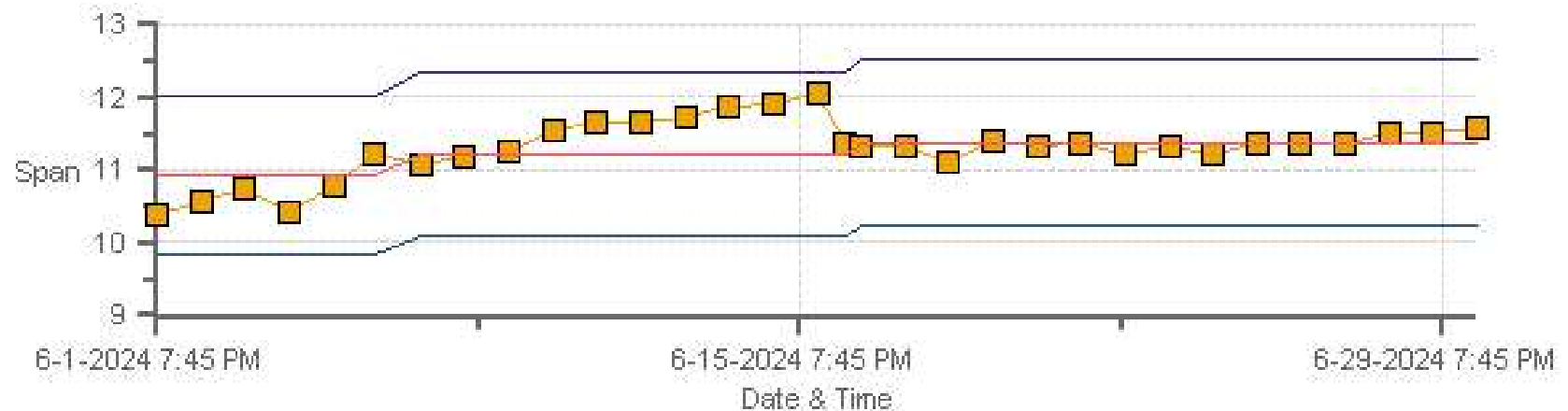
Span Span Ref Span Low Span High

NMHC[ppm] Calibration: PRAMP 842-B Monthly: 06-2024 Type: SpanAndZero - Zero



Zero Zero Ref Zero Low Zero High

NMHC[ppm] Calibration: PRAMP 842-B Monthly: 06-2024 Type: SpanAndZero - Span



Span Span Ref Span Low Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution



DATE:	06-Jun-2024	PREVIOUS CALIBRATION DATE:	14-May-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	23.7
LOCATION:	842b	BAROMETRIC (mBar):	941
PURPOSE:	Routine	START TIME (MST):	09:43
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:38

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	1200736629	FLOW (mL/min)	431
INITIAL		FINAL	
BKG/OFFSET	9.3	BKG/OFFSET	9.2
COEF/SLOPE	1.147	COEF/SLOPE	1.134
Expected (reference) Value	246.4	Expected (reference) Value	244.3

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	800	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:

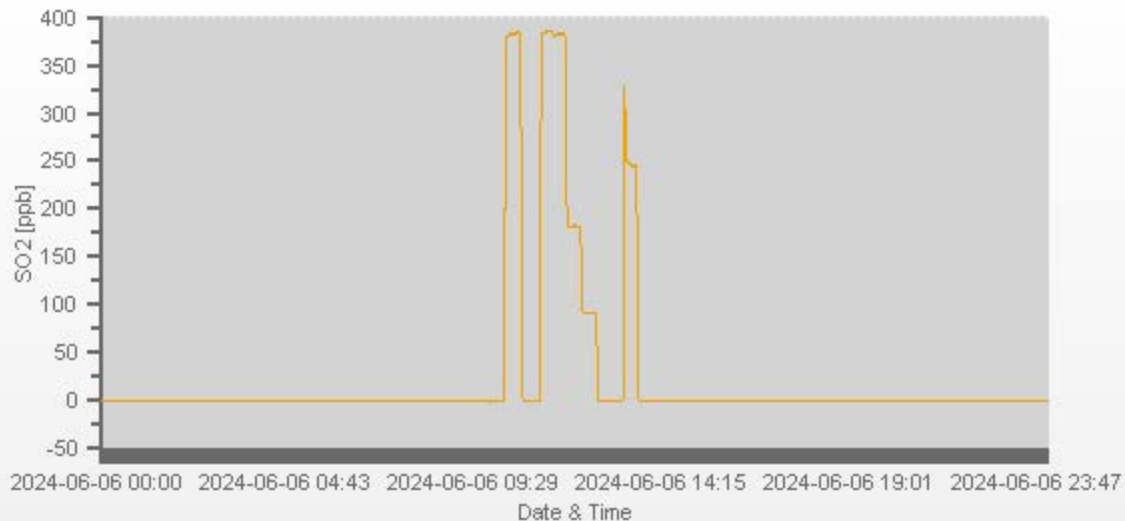
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998		3998	0.00	-0.3	0		
3939	60.80	4000	380.00	381.8	381.8	0.995	0.995
3970	28.80	3999	180.05	n/a	181.5	n/a	0.992
3983	14.40	3997	90.07	n/a	91.3	n/a	0.987

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.004	0.1%

COMMENTS:

Sample filter changed.



TRS Analyzer Calibration by Dilution



DATE:	06-Jun-2024	PREVIOUS CALIBRATION DATE:	14-May-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.001
CLIENT:	PRAMP	TEMPERATURE (°C):	23.7
LOCATION:	842b	BAROMETRIC (mBar):	941
PURPOSE:	Routine	START TIME (MST):	09:44
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:38

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1200736630	FLOW (mL/min)	374
INITIAL		FINAL	
BKG/OFFSET	15.3	BKG/OFFSET	15.5
COEF/SLOPE	0.956	COEF/SLOPE	0.932
Expected (reference) Value	52.73	Expected (reference) Value	49.91

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	1300	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:

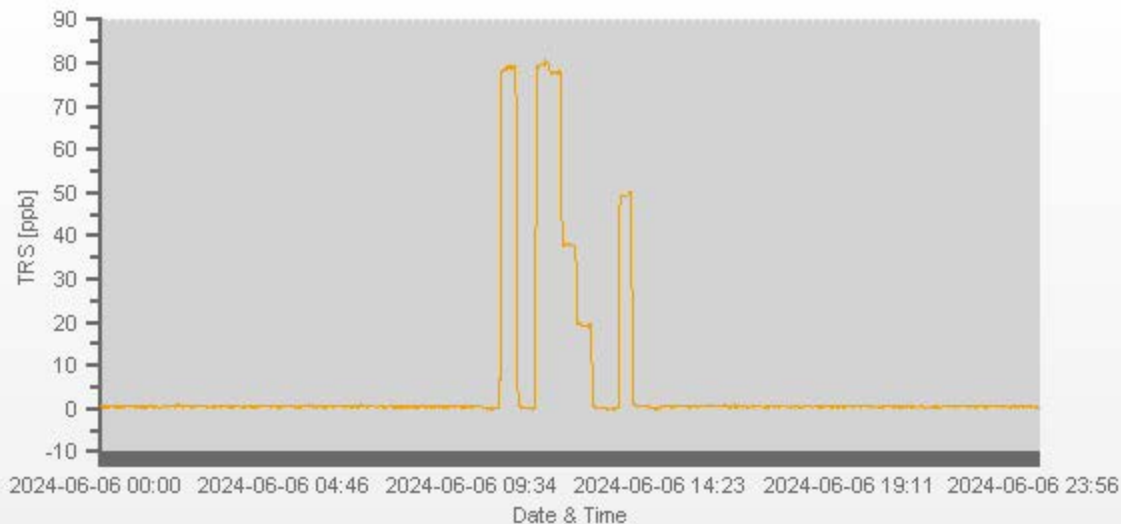
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998	30.90	3998	0.00	-0.1	0	0.985	1.001
3969	30.90	4000	77.95	79.05	77.87	0.985	1.001
3984	15.10	3999	38.10	n/a	37.83	n/a	1.007
3990	7.50	3997	18.93	n/a	18.96	n/a	0.999

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.0%

COMMENTS:

TRS Converter CDNOVA CDN #583. Sample filter changed.



Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	06-Jun-2024	PREVIOUS CALIBRATION DATE:	14-May-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	23.7		Thermo 55i	1501663728	1134
LOCATION:	842b	BAROMETRIC (mBar):	941	PARAMETER:	CH4	NMHC	THC
PURPOSE	Routine	START TIME (MST):	09:43	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:35	PREVIOUS CF:	1.003	1.004	1.003

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 ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	800	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 (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE	
TARGET	14	7	3.5	C ₃ H ₈ as CH ₄	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH ₄	1724.8

EXPECTED (REFERENCE) VALUE:

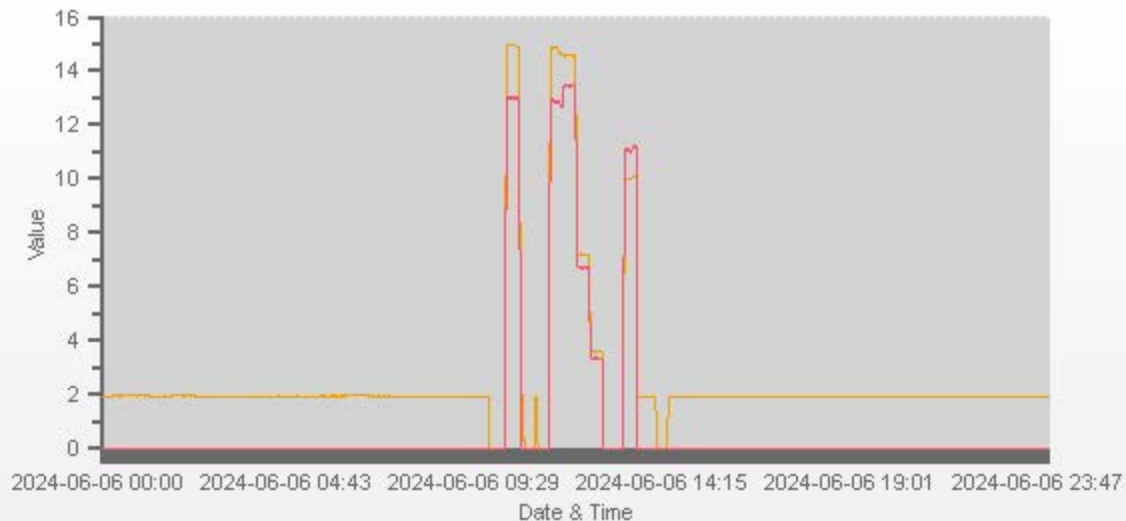
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.09	10.91	21.00		10.10	11.21	21.31

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3095	X	3095	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	X	X	X	X	X	X
3048	50.30	3098	14.56	13.44	28.00	14.94	13.01	27.95	14.56	13.46	28.02	0.975	1.033	1.002	1.000	0.998	0.999
3072	25.20	3097	7.30	6.74	14.03	n/a	n/a	n/a	7.22	6.72	13.94	n/a	n/a	n/a	1.011	1.002	1.007
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.61	3.35	6.96	n/a	n/a	n/a	1.011	1.005	1.008

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments:			
CH ₄	1.000	1.000	-0.2%	H2 = AMA HG300 #190567058			
NMHC	1.000	1.002	-0.1%				
THC	1.000	1.001	-0.1%				
				Use Zero Chrom?		No	



CAL-PRAMP-202406-01561

Page 14 of 19
CH4 [ppm] NMHC [ppm]

Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	16-Jun-2024	PREVIOUS CALIBRATION DATE:	06-Jun-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	23.4		Thermo 55i	1501663728	1131
LOCATION:	842b	BAROMETRIC (mBar):	937	PARAMETER:	CH4	NMHC	THC
PURPOSE	Repeat	START TIME (MST):	16:26	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	19:44	PREVIOUS CF:	1.000	0.998	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 ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	80	CYLINDER (psi):	800	LOW ID:	n/a
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	08-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE	
TARGET	14	7	3.5	C ₃ H ₈ as CH ₄	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH ₄	1724.8

EXPECTED (REFERENCE) VALUE:

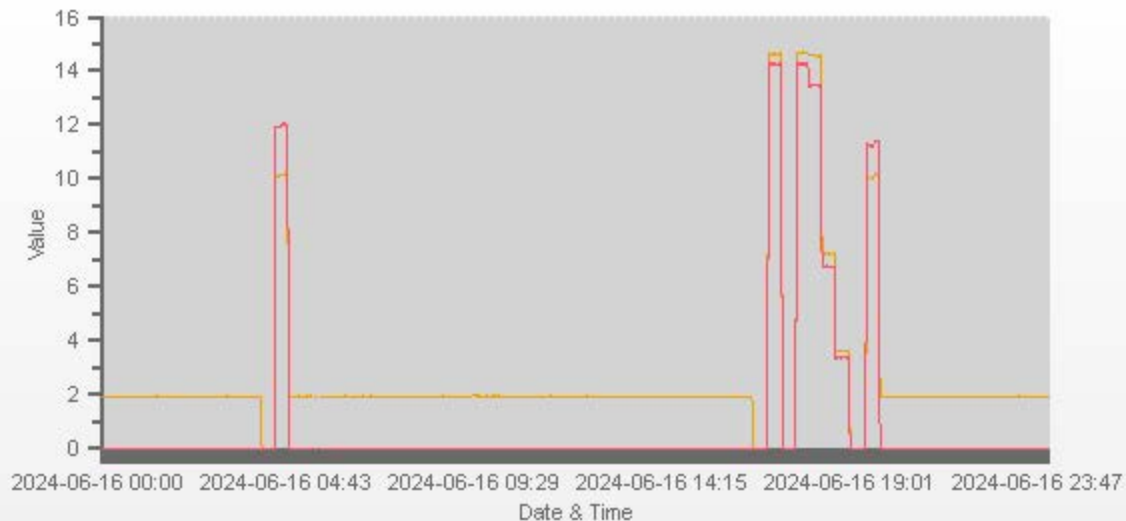
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.10	11.21	21.31		10.14	11.38	21.52

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3095	50.30	3095	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.996	0.944	0.971	1.001	1.001	1.001
3048	50.30	3098	14.56	13.44	28.00	14.62	14.24	28.85	14.55	13.42	27.98	0.996	0.944	0.971	1.001	1.001	1.001
3072	25.20	3097	7.30	6.74	14.03	n/a	n/a	n/a	7.23	6.76	13.99	n/a	n/a	n/a	1.010	0.996	1.003
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.62	3.39	7.01	n/a	n/a	n/a	1.008	0.993	1.001

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments:			
CH ₄	1.000	0.999	-0.1%	H2 = AMA HG300 #190567058			
NMHC	1.000	0.998	0.1%				
THC	1.000	0.999	0.0%				
				Use Zero Chrom?		No	



CAL-PRAMP-202406-01561

Page 16 of 19
CH4 [ppm] NMHC [ppm]

Meteorological System Checklist



Date:	June 6, 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:	May 14, 2024		
Is the sensor Level?	yes		
Is the heater operating properly?	yes		
Are the bucket drain holes clean?	yes	test time:11:12-11:16	
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:	May 14, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Temperature (°C):	16.8		
Station - Ambient Temperature (°C):	16.0		
Temperature Difference (°C):	0.8		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	May 14, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024		
Reference Pressure - Units/Reading:	millibar	941	
Station Pressure - Units/Reading:	millibar	940.1	
Pressure Tolerance +/- 15% of error:	800 - 1082	0.10%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	May 14, 2024		
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	45.60		
Station Hygrometer % RH- Reading:	42.30		
RH Tolerance +/- 15% of difference:	38.76 - 52.44	7.2%	
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:	N
Wind speed on Data Logger (kph):	19.7	Wind Direction on Data Logger:	N
		Wind Direction Pass/Fail?:	Pass
Comments			



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

JUNE 2024

Ambient Air Monitoring Calibration Report

- 986-C STATION-

CAL-PRAMP-202406-01562

Operation and Maintenance:

Bureau Veritas Canada

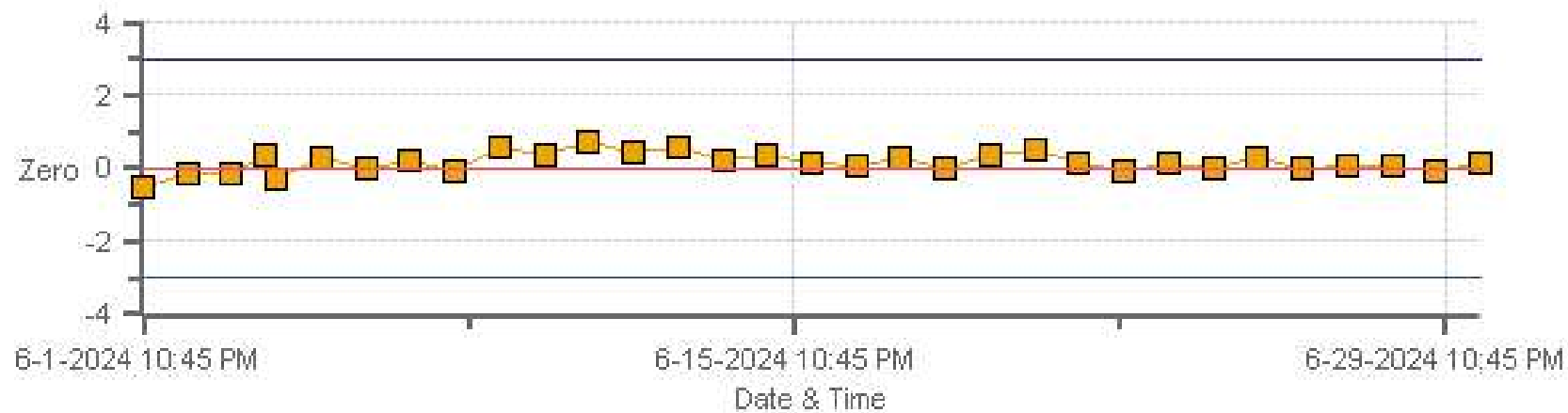
Data Validation and Report:

Bureau Veritas Canada

July 10, 2024

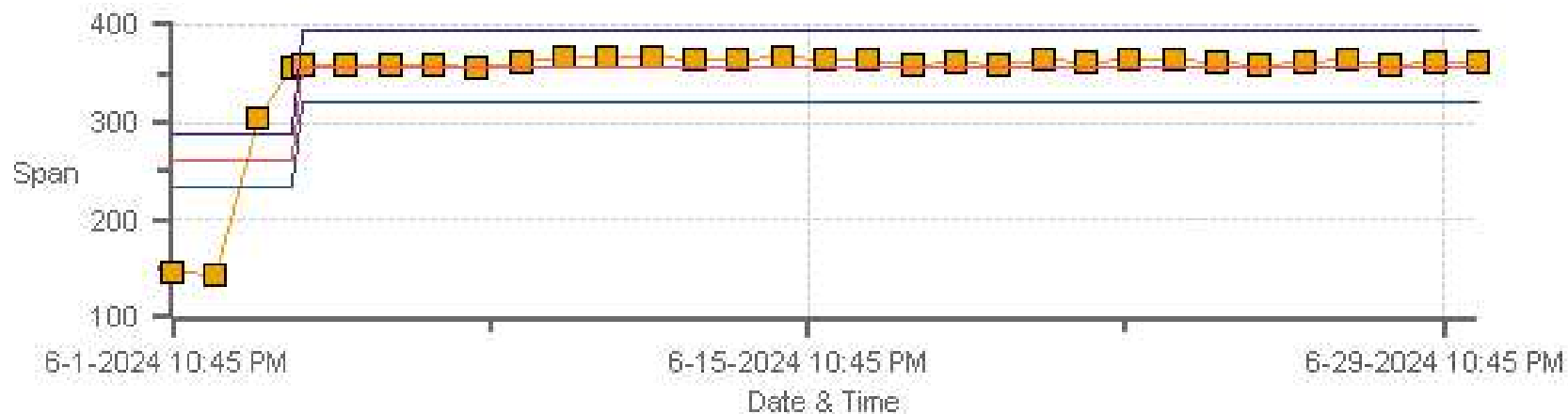
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO₂[ppb] Calibration: PRAMP 986-C Monthly: 06-2024 Type: SpanAndZero - Zero



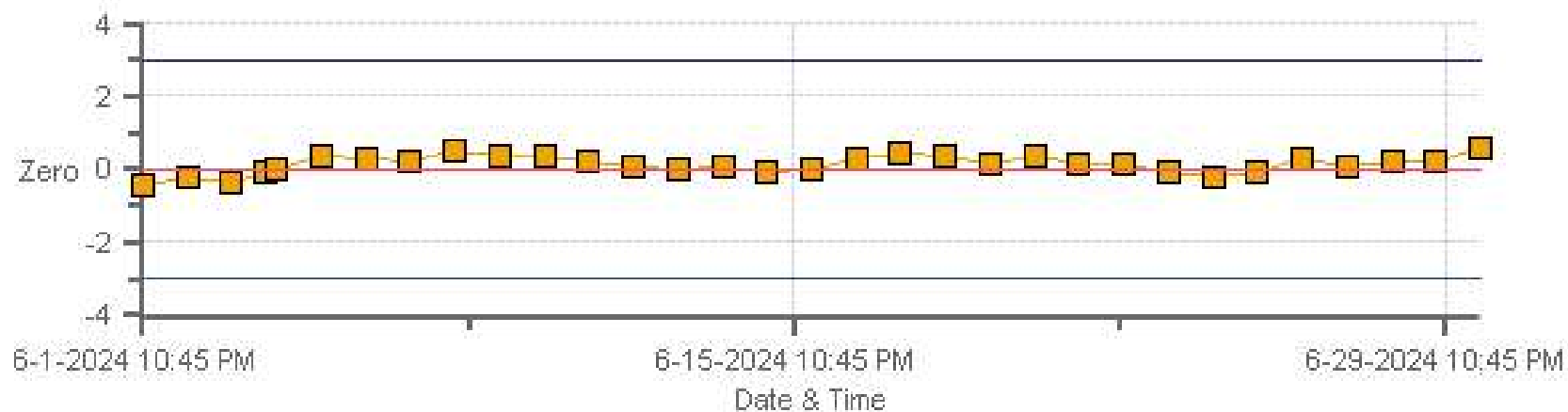
Zero Zero Ref Zero Low Zero High

SO₂[ppb] Calibration: PRAMP 986-C Monthly: 06-2024 Type: SpanAndZero - Span



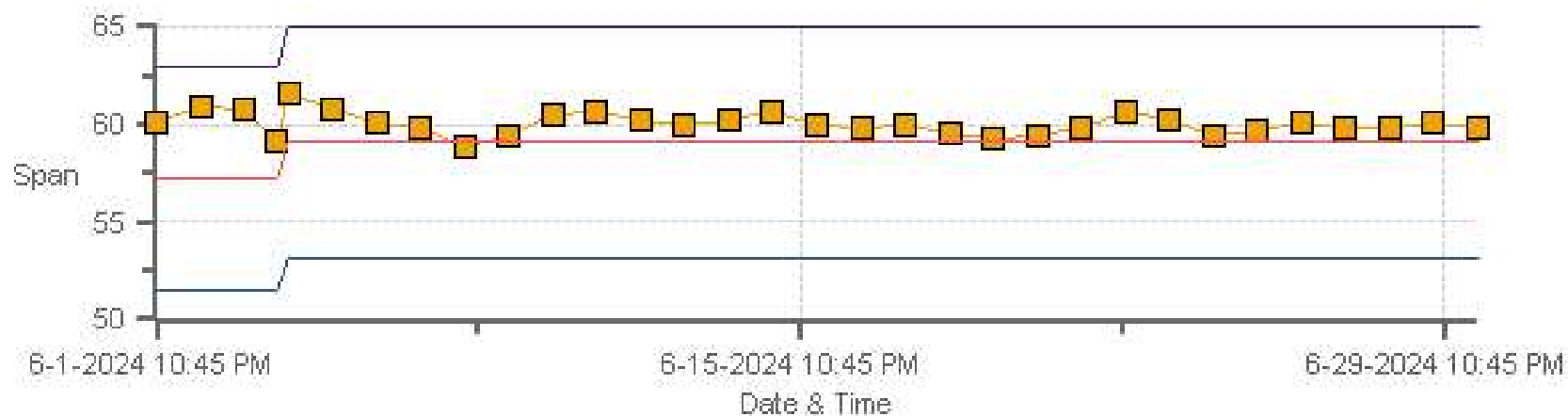
Span Span Ref Span Low Span High

TRS[ppb] Calibration: PRAMP 986-C Monthly: 06-2024 Type: SpanAndZero - Zero



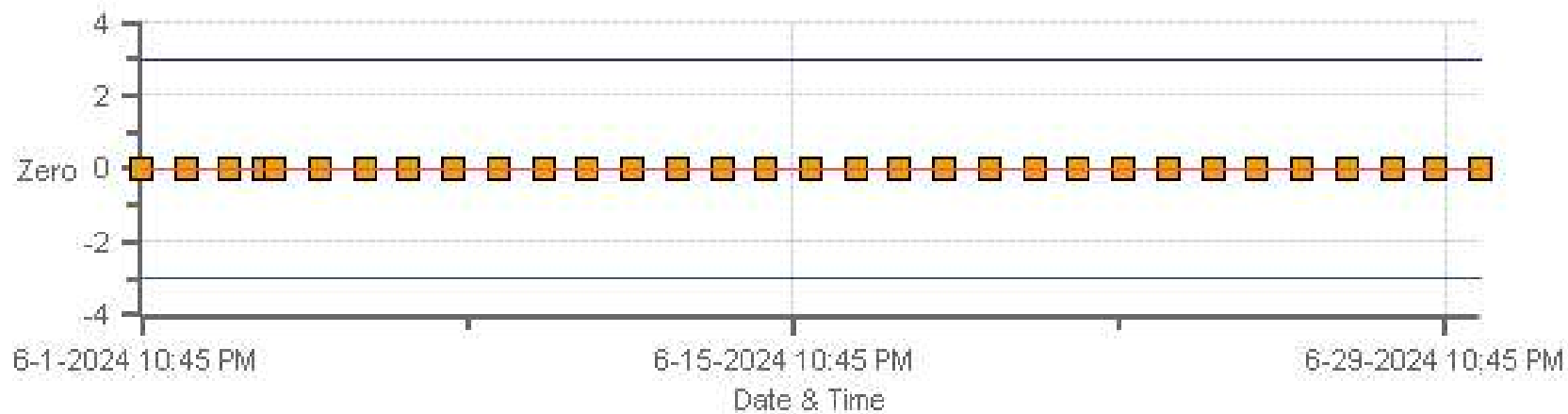
Zero Zero Ref Zero Low Zero High

TRS[ppb] Calibration: PRAMP 986-C Monthly: 06-2024 Type: SpanAndZero - Span



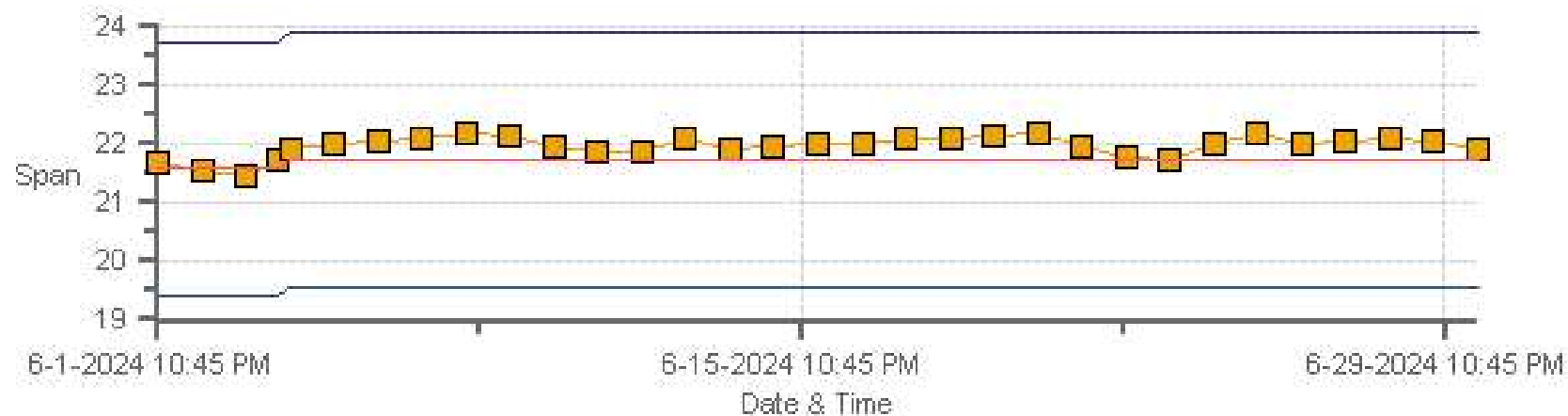
Span Span Ref Span Low Span High

THC55[ppm] Calibration: PRAMP 986-C Monthly: 06-2024 Type: SpanAndZero - Zero



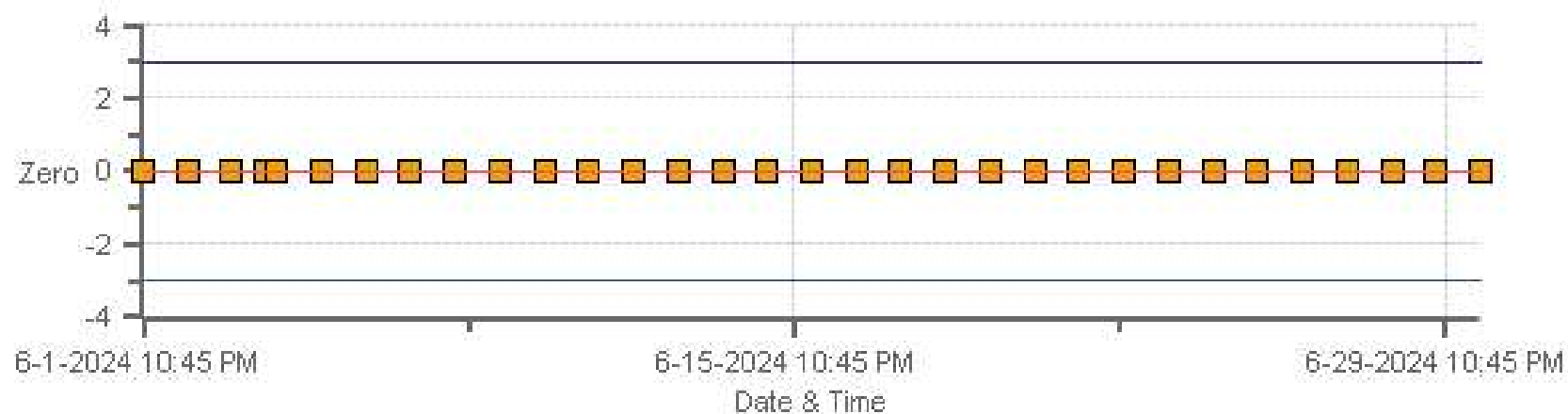
Zero Zero Ref Zero Low Zero High

THC55[ppm] Calibration: PRAMP 986-C Monthly: 06-2024 Type: SpanAndZero - Span



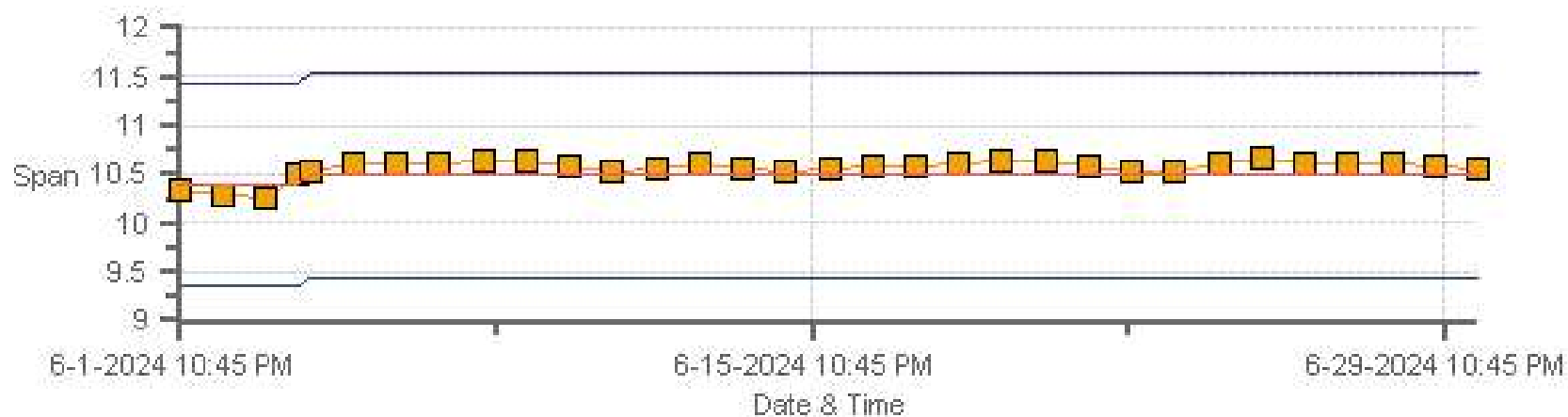
Span Span Ref Span Low Span High

CH4[ppm] Calibration: PRAMP 986-C Monthly: 06-2024 Type: SpanAndZero -Zero



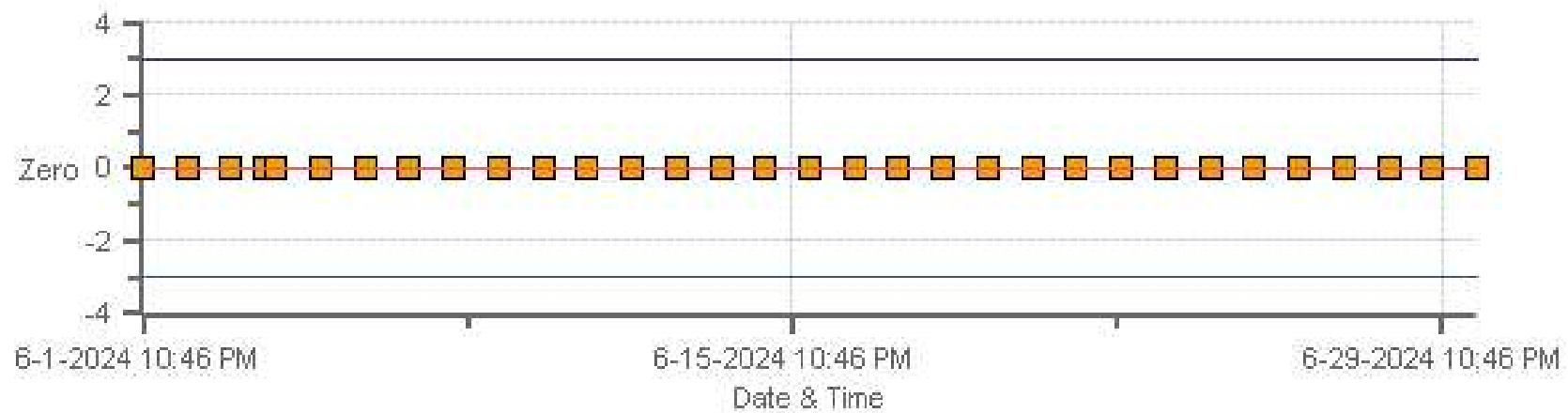
Zero Zero Ref Zero Low Zero High

CH4[ppm] Calibration: PRAMP 986-C Monthly: 06-2024 Type: SpanAndZero -Span

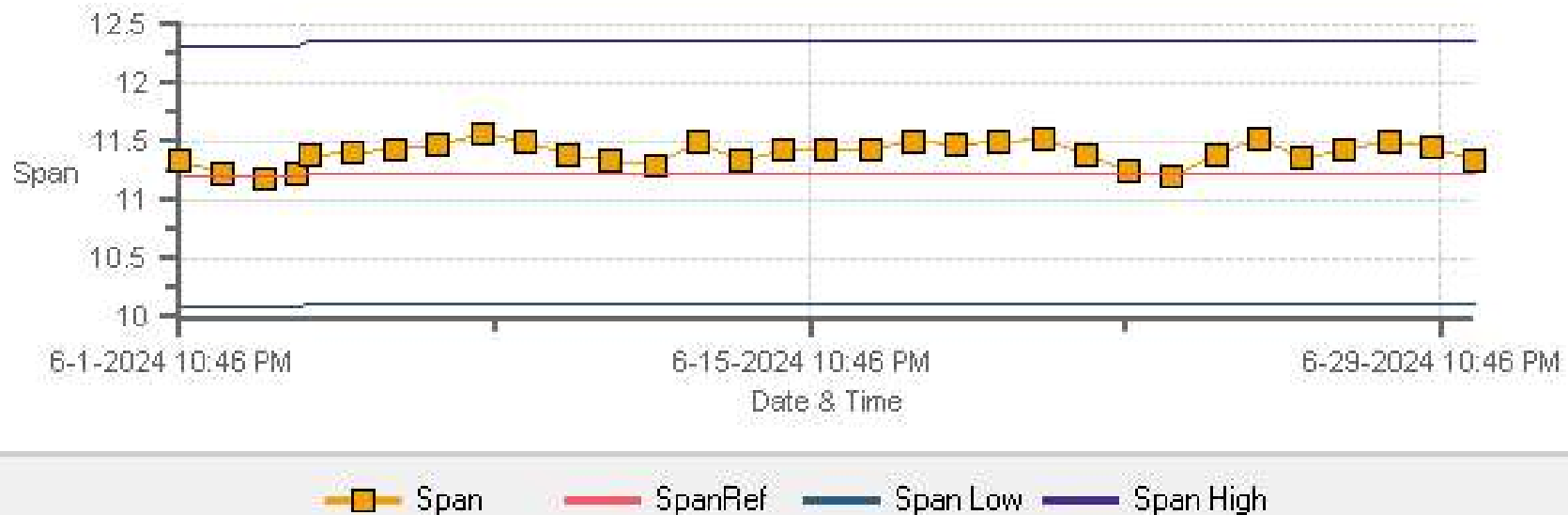


Span SpanRef Span Low Span High

NMHC[ppm] Calibration: PRAMP 986-C Monthly: 06-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP 986-C Monthly: 06-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution



DATE:	04-Jun-2024	PREVIOUS CALIBRATION DATE:	16-May-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.001
CLIENT:	PRAMP	TEMPERATURE (°C):	24.9
LOCATION:	986c	BAROMETRIC (mBar):	926
PURPOSE:	Routine	START TIME (MST):	09:06
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:47

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	1193585646	FLOW (mL/min)	428
INITIAL		FINAL	
BKG/OFFSET	19.6	BKG/OFFSET	19.3
COEF/SLOPE	1.047	COEF/SLOPE	1.042
Expected (reference) Value	261.1	Expected (reference) Value	357.6

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	800	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			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.1	0		
3940	60.80	4001	379.91	378.3	379.9	1.004	1.000
3972	28.80	4001	179.96	n/a	181.4	n/a	0.992
3985	14.40	3999	90.02	n/a	91.6	n/a	0.983

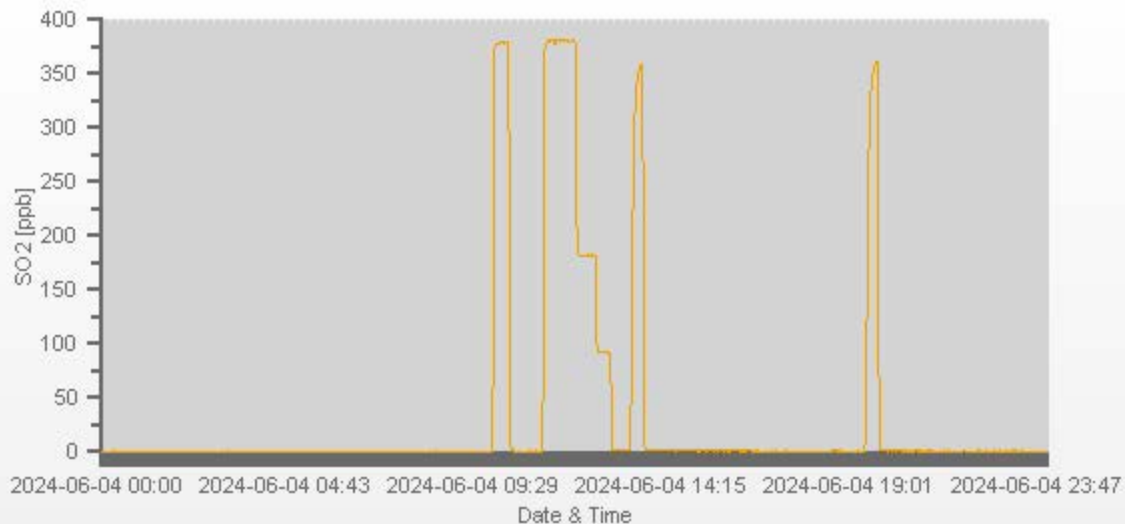
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.2%

COMMENTS:

Sample filter changed.

SO₂[ppb] Station: PRAMP 986-C Daily: 2024-06-04 Type: AVG 1 Min. [1 Min.]



CAL-PRAMP-202406-01562

TRS Analyzer Calibration by Dilution



DATE:	04-Jun-2024	PREVIOUS CALIBRATION DATE:	16-May-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	24.9
LOCATION:	986C	BAROMETRIC (mBar):	926
PURPOSE:	Routine	START TIME (MST):	09:06
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:47

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1191833341	FLOW (mL/min)	418
INITIAL		FINAL	
BKG/OFFSET	17.5	BKG/OFFSET	17.1
COEF/SLOPE	1.012	COEF/SLOPE	1.009
Expected (reference) Value	57.28	Expected (reference) Value	59.08

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	1200	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			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999	30.90	3999	0.00	-0.43	0	0.997	1.005
3970	30.90	4001	77.93	77.72	77.52	0.997	1.005
3986	15.10	4001	38.08	n/a	37.53	n/a	1.015
3992	7.50	3999	18.92	n/a	18.54	n/a	1.021

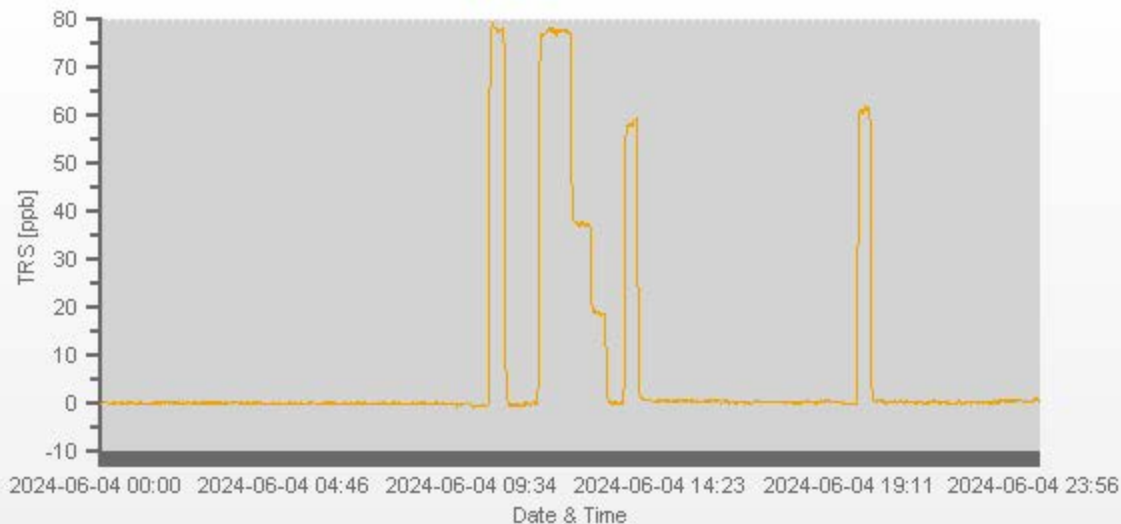
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.996	-0.2%

COMMENTS:

TRS Converter CDNOVA CDN101 #530

TRS[ppb] Station: PRAMP 986-C Daily: 2024-06-04 Type: AVG 1 Min. [1 Min.]



CAL-PRAMP-202406-01562

Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	04-Jun-2024	PREVIOUS CALIBRATION DATE:	16-May-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	24.9		Thermo 55i	1022143392	1095
LOCATION:	986C	BAROMETRIC (mBar):	926	PARAMETER:	CH4	NMHC	THC
PURPOSE	Routine	START TIME (MST):	09:06	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:30	PREVIOUS CF:	1.006	1.004	1.005

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 ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	800	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 (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE	
TARGET	14	7	3.5	C ₃ H ₈ as CH ₄	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH ₄	1724.8

EXPECTED (REFERENCE) VALUE:

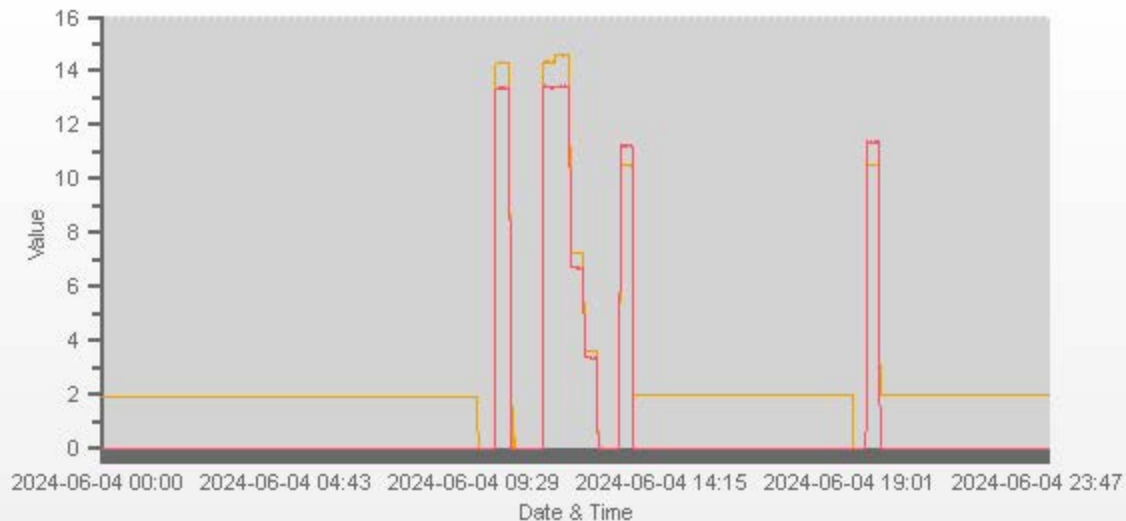
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.38	11.20	21.57		10.49	11.23	21.72

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3094	X	3094	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	X	X	X	X	X	X
3048	50.30	3098	14.56	13.44	28.00	14.31	13.37	27.67	14.57	13.41	27.98	1.018	1.005	1.012	1.000	1.002	1.001
3072	25.20	3097	7.30	6.74	14.03	n/a	n/a	n/a	7.29	6.71	13.99	n/a	n/a	n/a	1.001	1.004	1.003
3084	12.60	3097	3.65	3.37	7.02	n/a	n/a	n/a	3.66	3.37	7.03	n/a	n/a	n/a	0.997	0.999	0.998

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments:			
CH ₄	1.000	1.000	0.0%	Sample filter changed BV analyzer			
NMHC	1.000	0.997	0.0%				
THC	1.000	0.999	0.0%				
				Use Zero Chrom?		Yes	



CAL-PRAMP-202406-01562

Meteorological System Checklist



Date:	June 4, 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:	May 16, 2024	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	Tested: 13:40-13:43
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:	May 16, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025
Reference Temperature (°C):	10.5
Station - Ambient Temperature (°C):	10.0
Temperature Difference (°C):	0.5

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	May 16, 2024	
Reference Barometer ID:	Brunton ADC #231010, Exp: Oct 10, 2024	
Reference Pressure - Units/Reading:	millibar	926
Station Pressure - Units/Reading:	millibar	926.1
Pressure Tolerance +/- 15% of error:	787 - 1065	-0.01%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	May 16, 2024	
Reference Hygrometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025	
Reference Hygrometer % RH- Reading:	87.60	
Station Hygrometer % RH- Reading:	99.00	
RH Tolerance +/- 15% of difference:	74.46 - 100.74	-13.0%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	May 16, 2024	Previous check date:	May 16, 2024
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	E
Wind speed on Data Logger (kph):	14.2	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

JUNE 2024

Ambient Air Monitoring Calibration Report

- RENO-B STATION-

CAL-PRAMP-202406-01563

Operation and Maintenance:

Bureau Veritas Canada

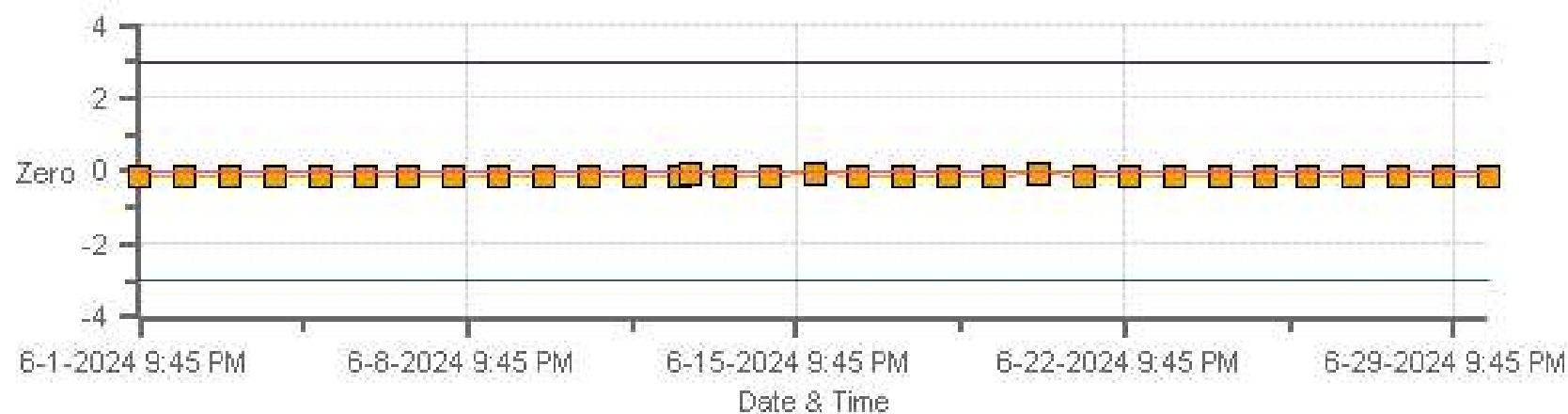
Data Validation and Report:

Bureau Veritas Canada

July 10, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO₂[ppb] Calibration: PRAMP RENO-B Monthly: 06-2024 Type: SpanAndZero - Zero



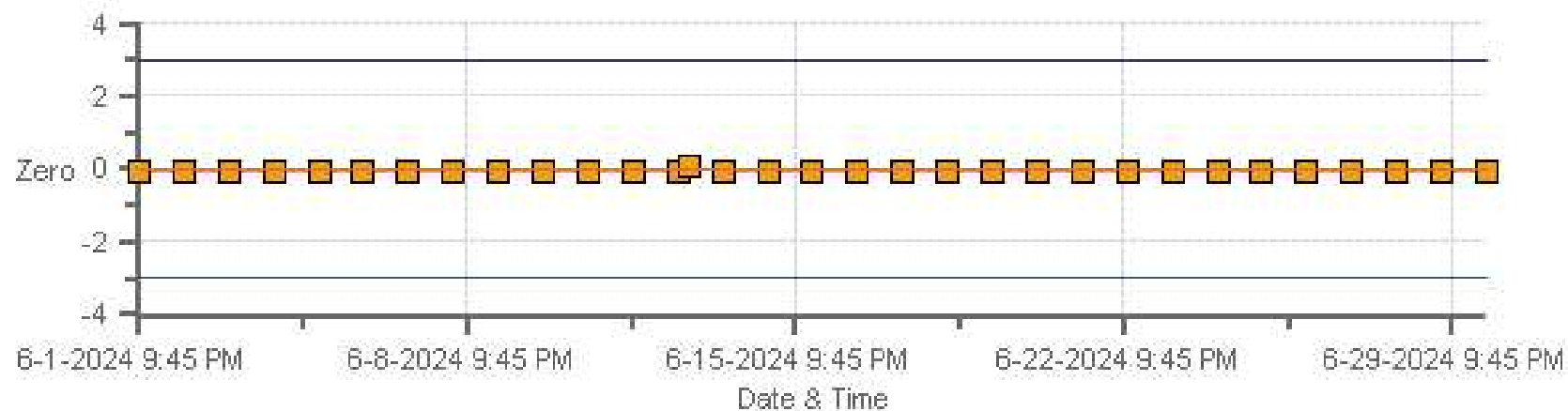
■ Zero
 — Zero Ref
 — Zero Low
 — Zero High

SO₂[ppb] Calibration: PRAMP RENO-B Monthly: 06-2024 Type: SpanAndZero - Span



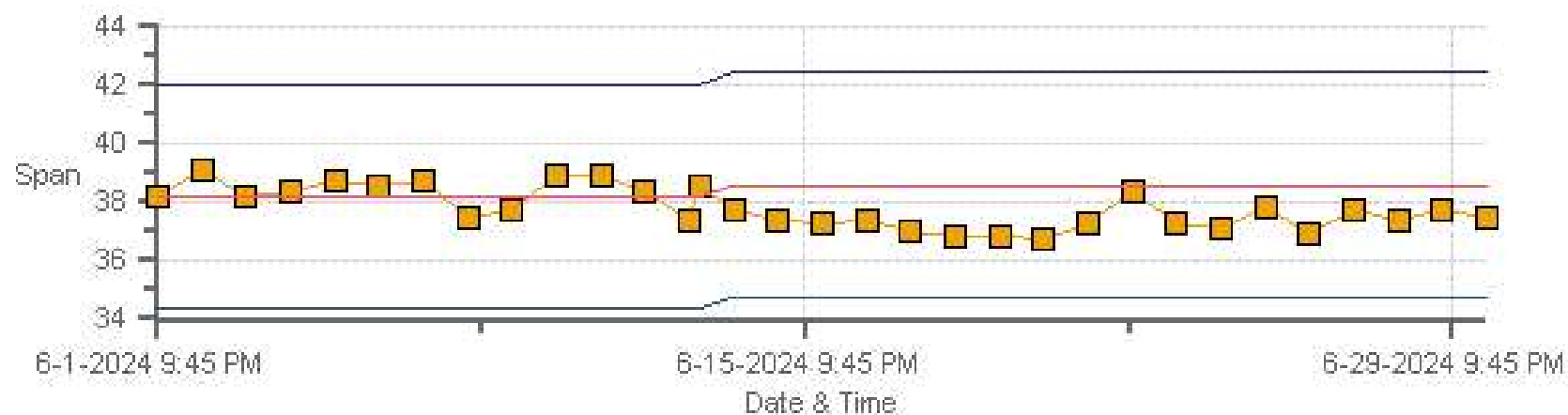
■ Span
 — SpanRef
 — Span Low
 — Span High

TRS[ppb] Calibration: PRAMP RENO-B Monthly: 06-2024 Type: SpanAndZero - Zero



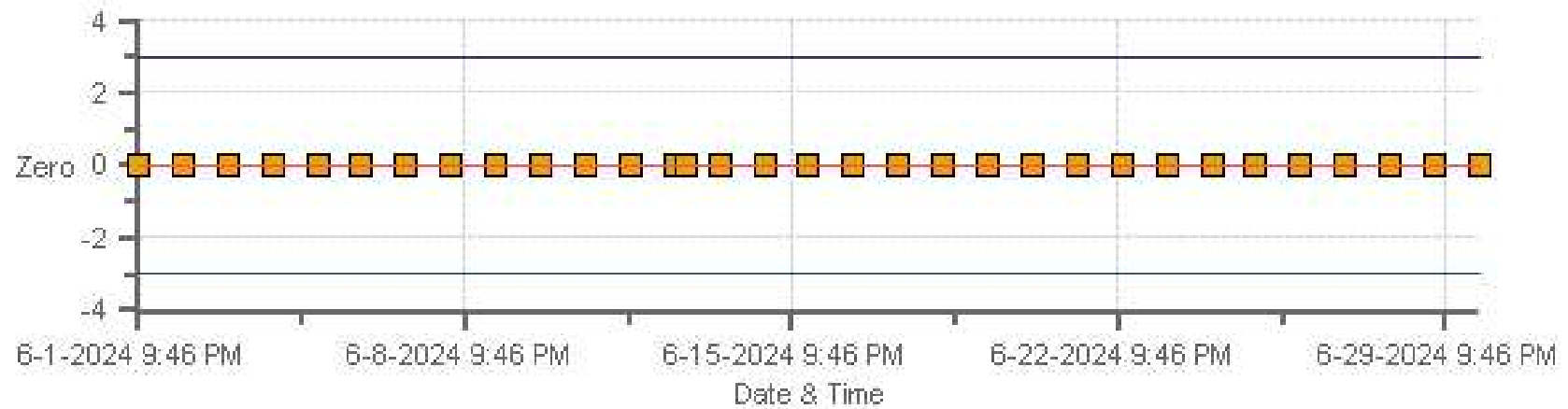
Zero Zero Ref Zero Low Zero High

TRS[ppb] Calibration: PRAMP RENO-B Monthly: 06-2024 Type: SpanAndZero - Span



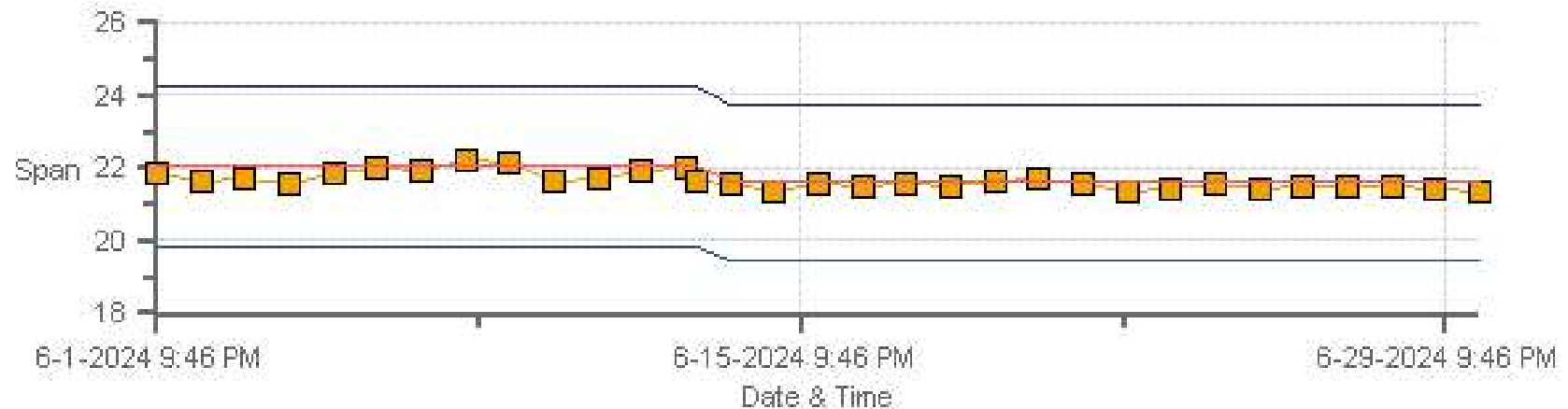
Span Span Ref Span Low Span High

THC55[ppm] Calibration: PRAMP RENO-B Monthly: 06-2024 Type: SpanAndZero - Zero



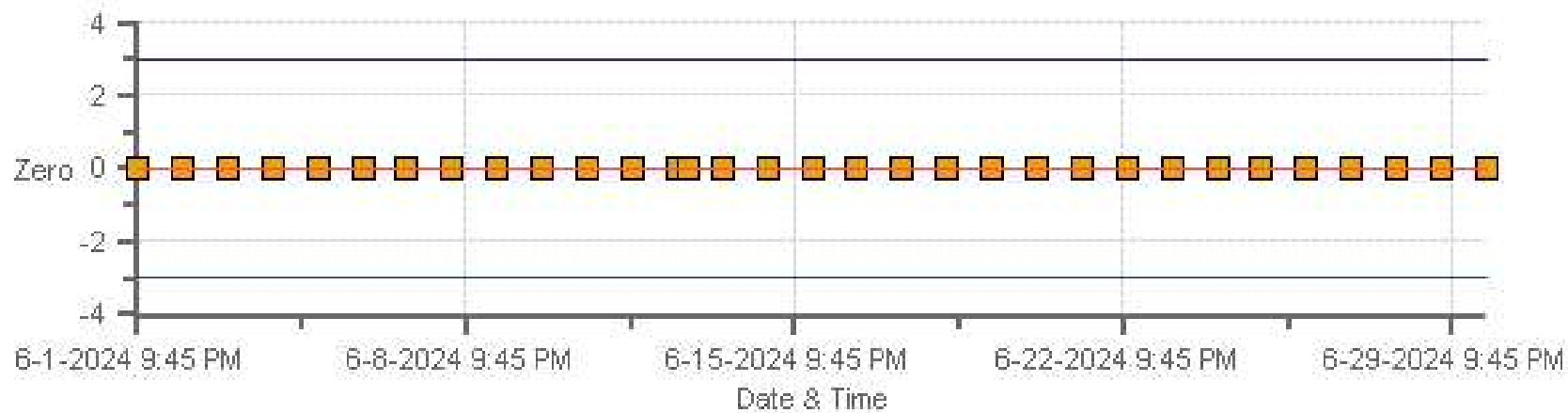
Zero Zero Ref Zero Low Zero High

THC55[ppm] Calibration: PRAMP RENO-B Monthly: 06-2024 Type: SpanAndZero - Span



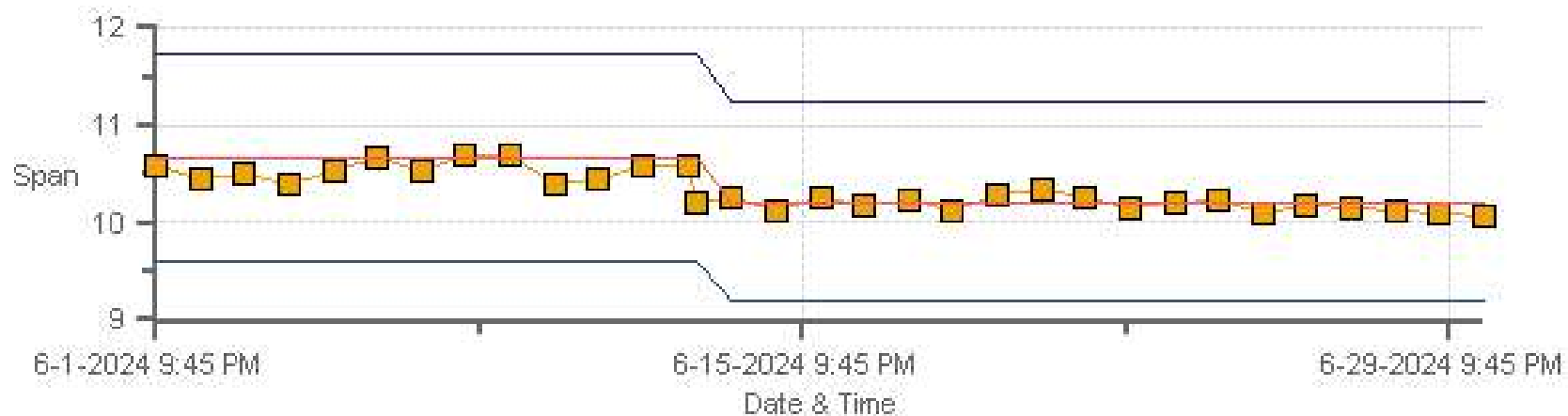
Span Span Ref Span Low Span High

CH4[ppm] Calibration: PRAMP RENO-B Monthly: 06-2024 Type: SpanAndZero - Zero



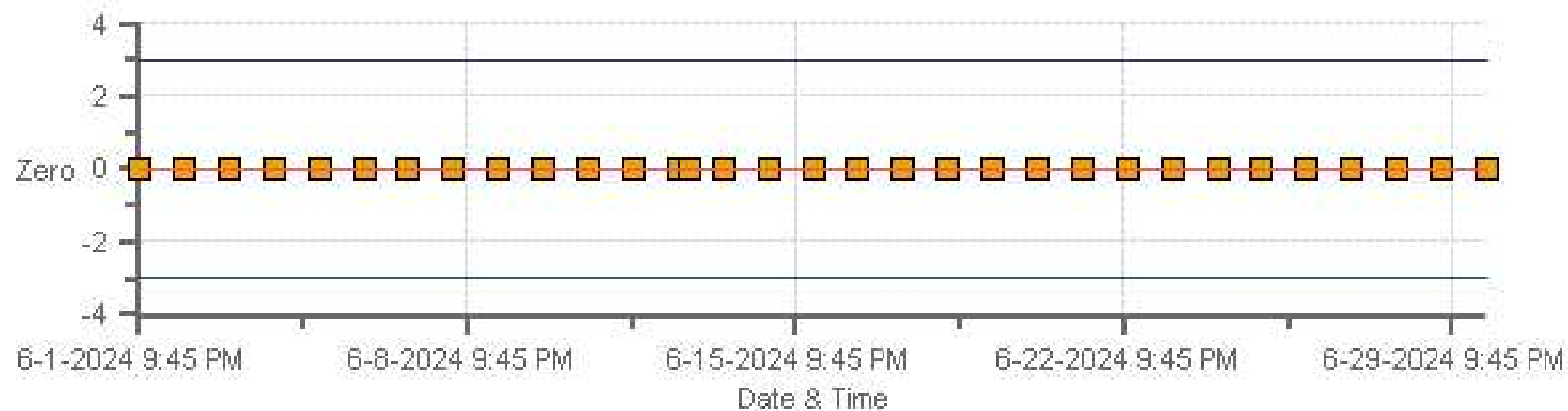
Zero Zero Ref Zero Low Zero High

CH4[ppm] Calibration: PRAMP RENO-B Monthly: 06-2024 Type: SpanAndZero - Span



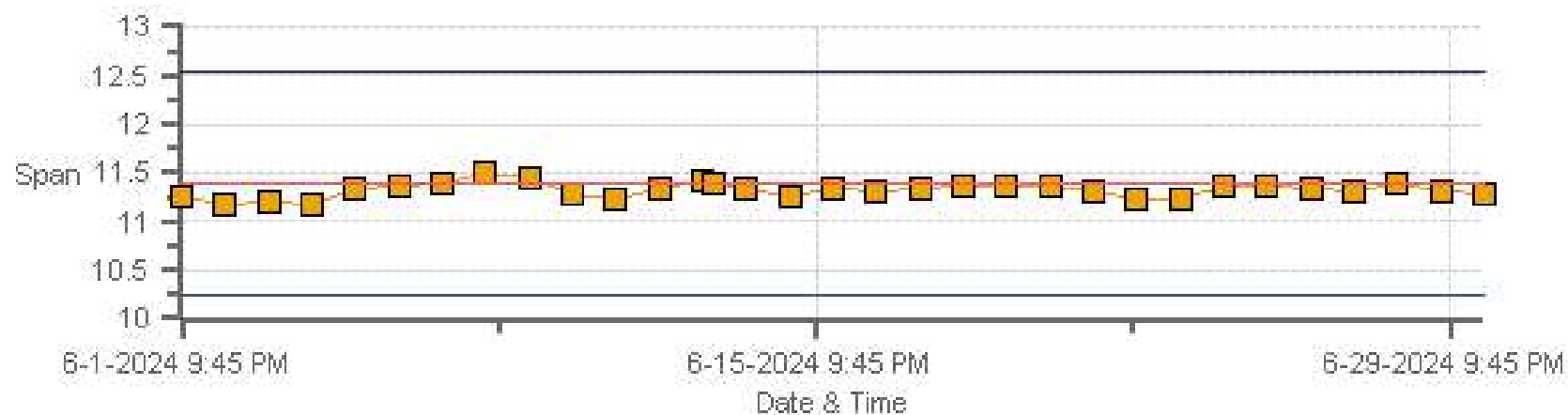
Span Span Ref Span Low Span High

NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 06-2024 Type: SpanAndZero - Zero



Zero Zero Ref Zero Low Zero High

NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 06-2024 Type: SpanAndZero - Span



Span Span Ref Span Low Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution



DATE:	13-Jun-2024	PREVIOUS CALIBRATION DATE:	08-May-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	23.6
LOCATION:	Reno-B	BAROMETRIC (mBar):	941
PURPOSE:	Routine	START TIME (MST):	11:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:54

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	12101910505	FLOW (mL/min)	435
INITIAL		FINAL	
BKG/OFFSET	1.31	BKG/OFFSET	1.3
COEF/SLOPE	0.913	COEF/SLOPE	0.898
Expected (reference) Value	212.7	Expected (reference) Value	213.2

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	1000	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:

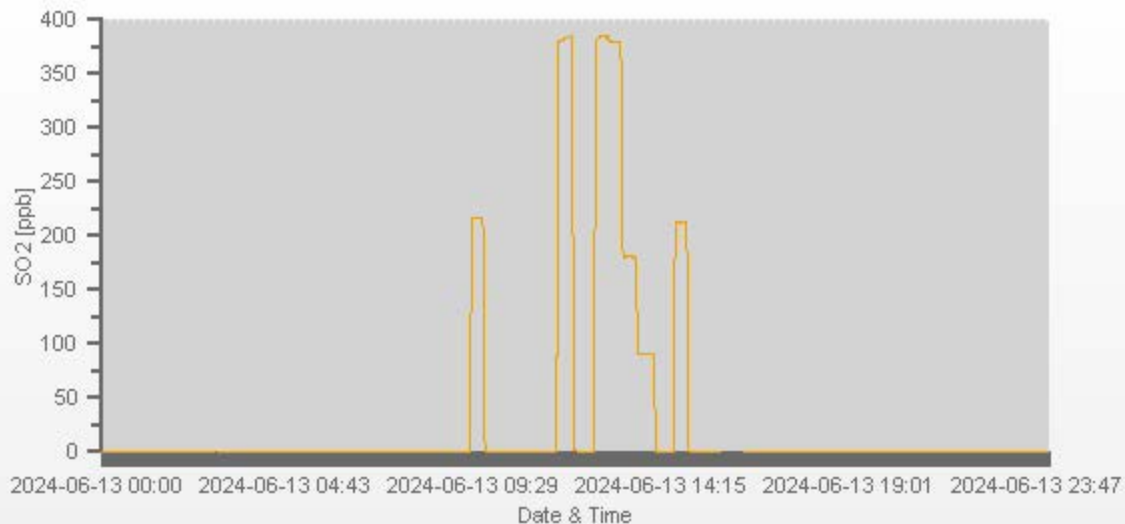
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999	60.80	3999	0.00	-0.1	0	0.991	1.002
3939	60.80	4000	380.00	383.3	379.3	0.991	1.002
3971	28.80	4000	180.00	n/a	180.9	n/a	0.995
3986	14.40	4000	90.00	n/a	90.5	n/a	0.994

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.1%

COMMENTS:

Sample filter changed



TRS Analyzer Calibration by Dilution



DATE:	13-Jun-2024	PREVIOUS CALIBRATION DATE:	08-May-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.997
CLIENT:	PRAMP	TEMPERATURE (°C):	23.6
LOCATION:	Reno-B	BAROMETRIC (mBar):	941
PURPOSE:	Routine	START TIME (MST):	11:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:54

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	12101910504	FLOW (mL/min)	386
INITIAL		FINAL	
BKG/OFFSET	1.11	BKG/OFFSET	1.1
COEF/SLOPE	0.925	COEF/SLOPE	0.908
Expected (reference) Value	38.21	Expected (reference) Value	38.59

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	1300	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			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999	30.90	3999	0.00	-0.08	0	0.989	0.998
3969	30.90	4000	77.95	78.76	78.07	0.989	0.998
3985	15.10	4000	38.09	n/a	38.18	n/a	0.998
3993	7.50	4000	18.92	n/a	19.43	n/a	0.974

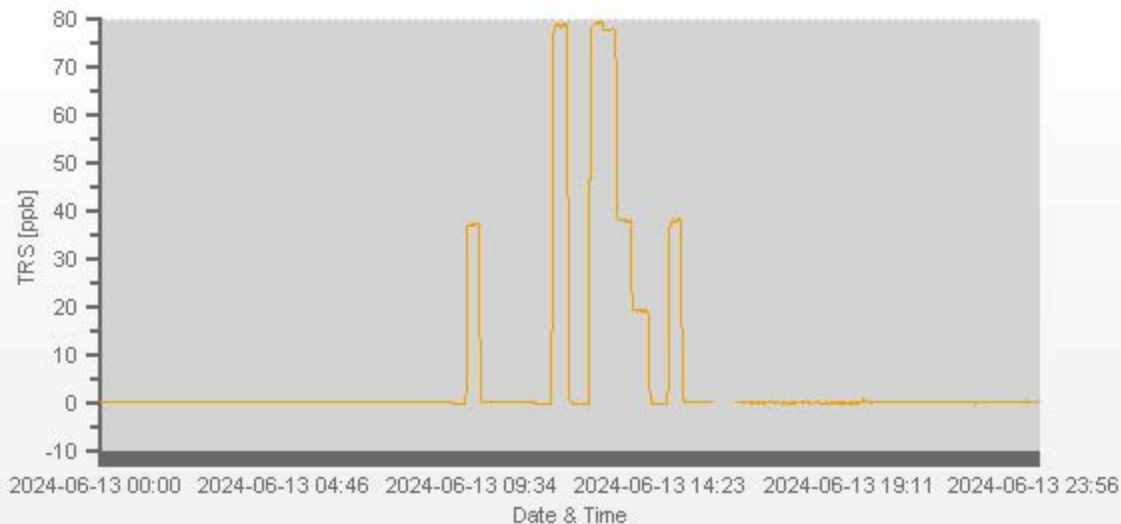
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.2%

COMMENTS:

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

TRS[ppb] Station: PRAMP RENO-B Daily: 2024-06-13 Type: AVG 1 Min. [1 Min.]



CAL-PRAMP-202406-01563

Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	13-Jun-2024	PREVIOUS CALIBRATION DATE:	08-May-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	23.6		Thermo 55i	1193585652	1105
LOCATION:	Reno-B	BAROMETRIC (mBar):	941	PARAMETER:	CH4	NMHC	THC
PURPOSE	Routine	START TIME (MST):	11:03	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:49	PREVIOUS CF:	1.004	0.997	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 ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	800	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 (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE	
TARGET	14	7	3.5	C ₃ H ₈ as CH ₄	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH ₄	1724.8

EXPECTED (REFERENCE) VALUE:

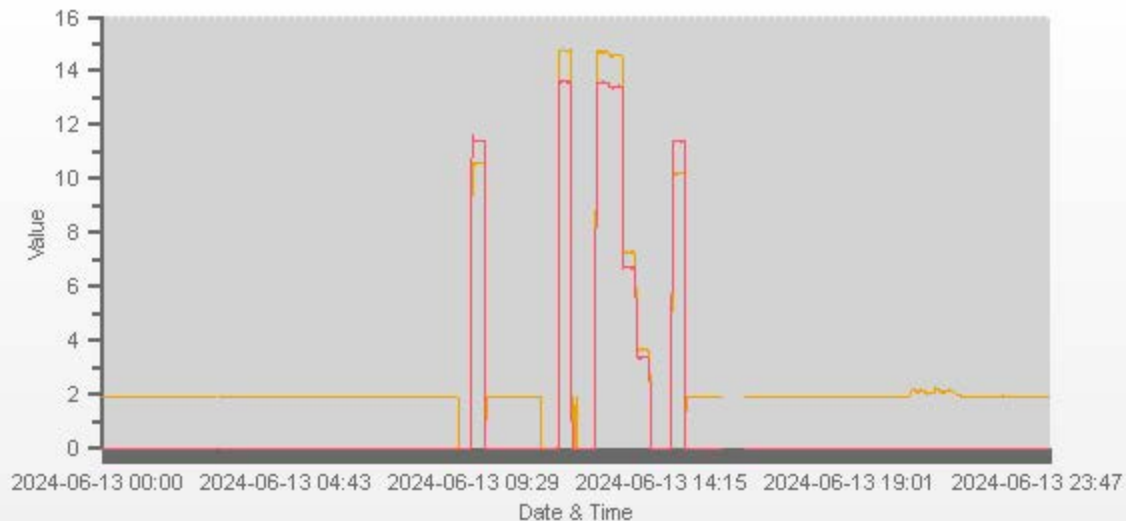
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.67	11.39	22.06		10.21	11.39	21.60

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3095	X	3095	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	X	X	X	X	X	X
3048	50.30	3098	14.56	13.44	28.00	14.73	13.61	28.34	14.58	13.42	28.01	0.989	0.987	0.988	0.999	1.001	1.000
3073	25.20	3098	7.30	6.73	14.03	n/a	n/a	n/a	7.29	6.72	14.01	n/a	n/a	n/a	1.001	1.002	1.001
3084	12.60	3097	3.65	3.37	7.02	n/a	n/a	n/a	3.66	3.41	7.07	n/a	n/a	n/a	0.997	0.988	0.993

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments:			
CH ₄	1.000	1.001	0.0%	H2 = AMA HG300 #210467069 Sample Filter Changed			
NMHC	1.000	0.997	0.1%				
THC	1.000	1.000	0.0%	Use Zero Chrom?		No	



CAL-PRAMP-202406-01563

Page 14 of 17
CH4 [ppm] NMHC [ppm]

Meteorological System Checklist



Date:	June 13, 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:	May 8, 2024		
Is the sensor Level?	yes		
Is the heater operating properly?	yes		
Are the bucket drain holes clean?	yes	Audit:15:12-15:18	
Is the screen on the housing? (screen should be on between July and September)	no		
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:	May 8, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	FS 181341226 expires July 17, 2024		
Reference Temperature (°C):	17.8		
Station - Ambient Temperature (°C):	17.5		
Temperature Difference (°C):	0.3		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	May 8, 2024		
Reference Barometer ID:	Brunton #05535 Brunton Expiry - July 17 2024		
Reference Pressure - Units/Reading:	millibar	941	
Station Pressure - Units/Reading:	millibar	939.9	
Pressure Tolerance +/- 15% of error:	800 - 1082	0.12%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	May 8, 2024		
Reference Hygrometer ID:	FS 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	50.30		
Station Hygrometer % RH- Reading:	57.00		
RH Tolerance +/- 15% of difference:	42.76 - 57.85	-13.3%	
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:	W
Wind speed on Data Logger (kph):	16.8	Wind Direction on Data Logger:	W
		Wind Direction Pass/Fail?:	Pass
Comments			



Meteorological Sensor Audit/Calibration

Location Information

Company: PRAMP
Audit Location: Reno-B
Audit Date: August 1, 2023
Calibration Purpose: routine annual

Performed By: Chris Wesson
Reviewed By: Limin Li
Start/End Time (mst): 09:54 / 11:18
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

JUNE 2024

Ambient Air Monitoring Calibration Report

- AQHI - GRIMSHAW STATION-

CAL-PRAMP-202406-01689

Operation and Maintenance:

Bureau Veritas Canada

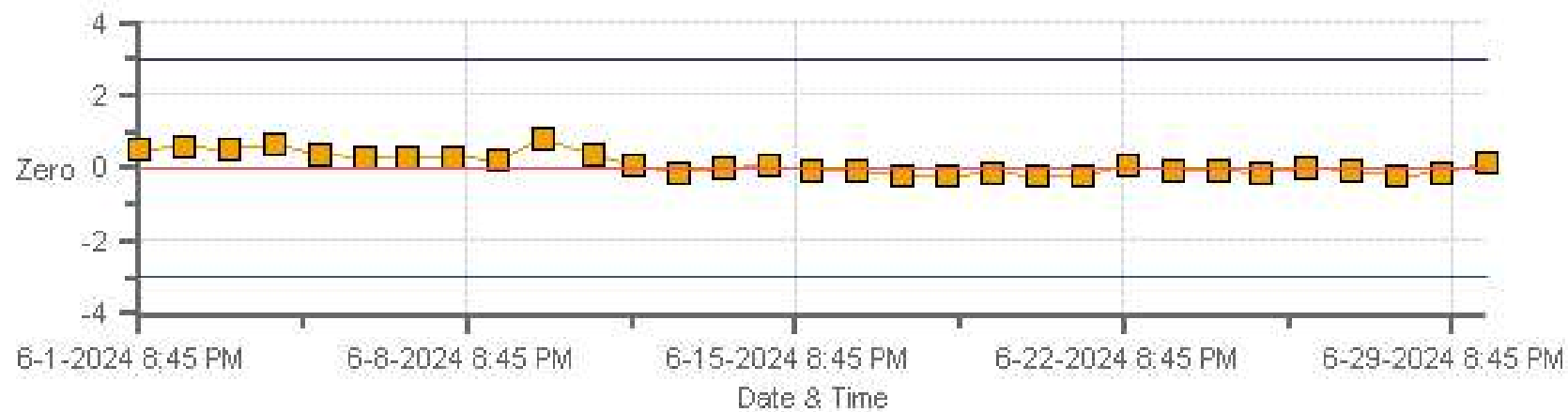
Data Validation and Report:

Bureau Veritas Canada

July 10, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO₂[ppb] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Zero



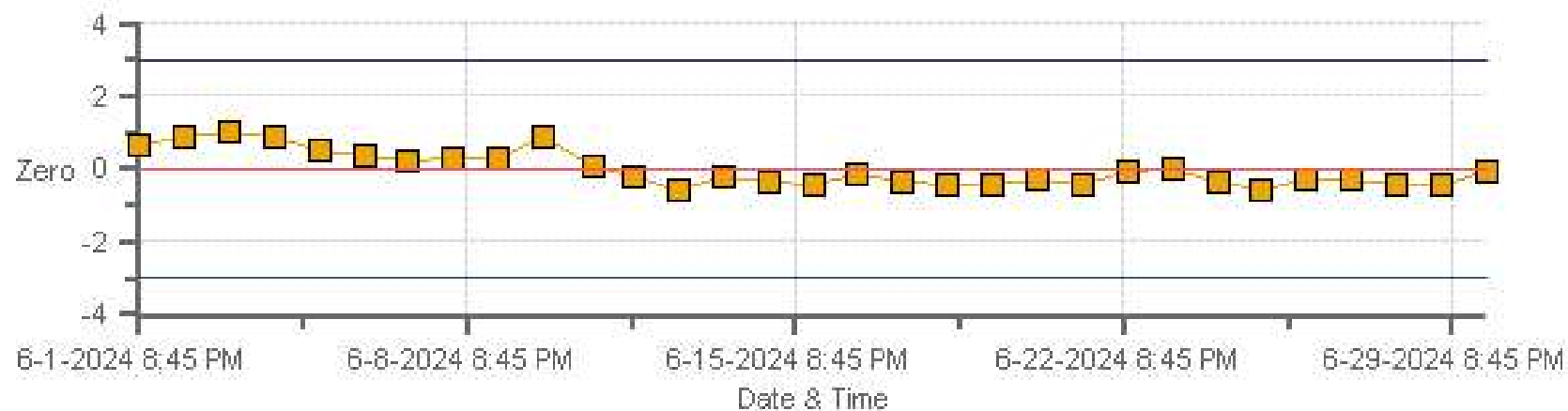
Zero Zero Ref Zero Low Zero High

SO₂[ppb] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Span



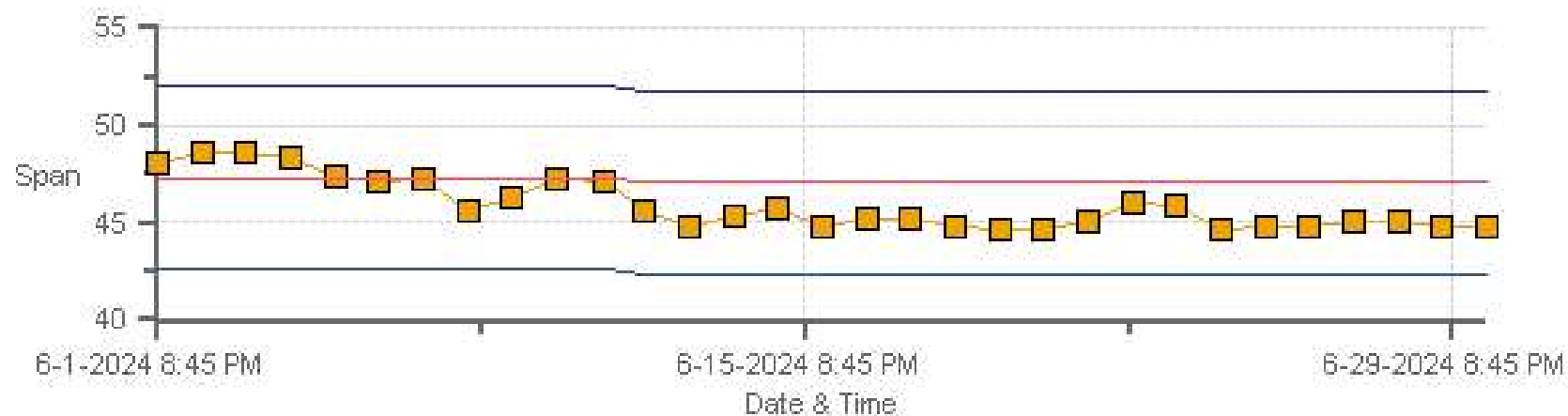
Span SpanRef Span Low Span High

TRS[ppb] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Zero



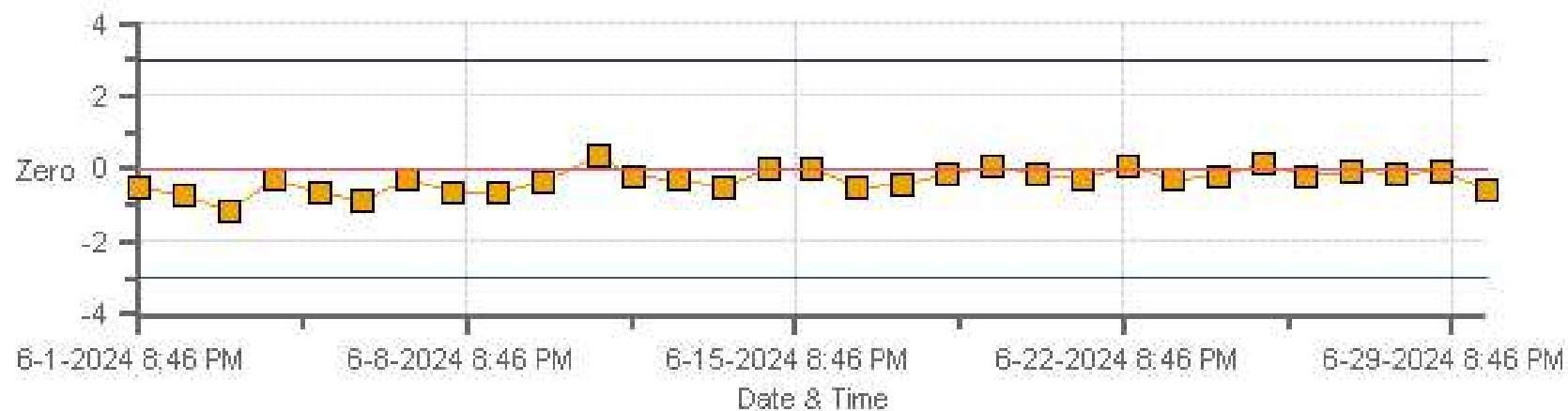
Zero Zero Ref Zero Low Zero High

TRS[ppb] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Span



Span SpanRef Span Low Span High

NOX[ppb] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Zero



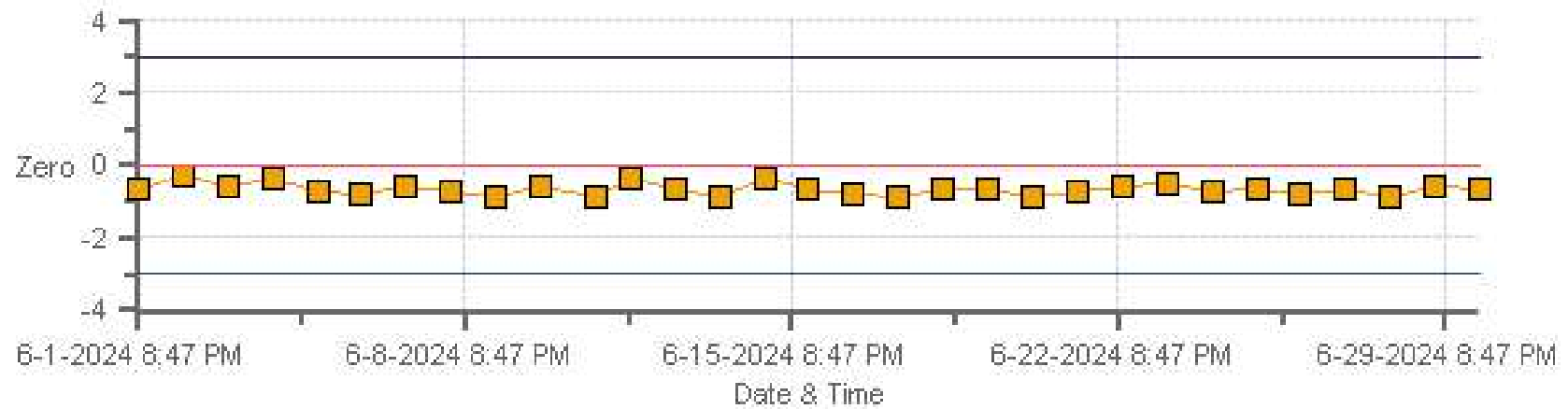
Zero Zero Ref Zero Low Zero High

NOX[ppb] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Span



Span Span Ref Span Low Span High

NO2[ppb] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Zero



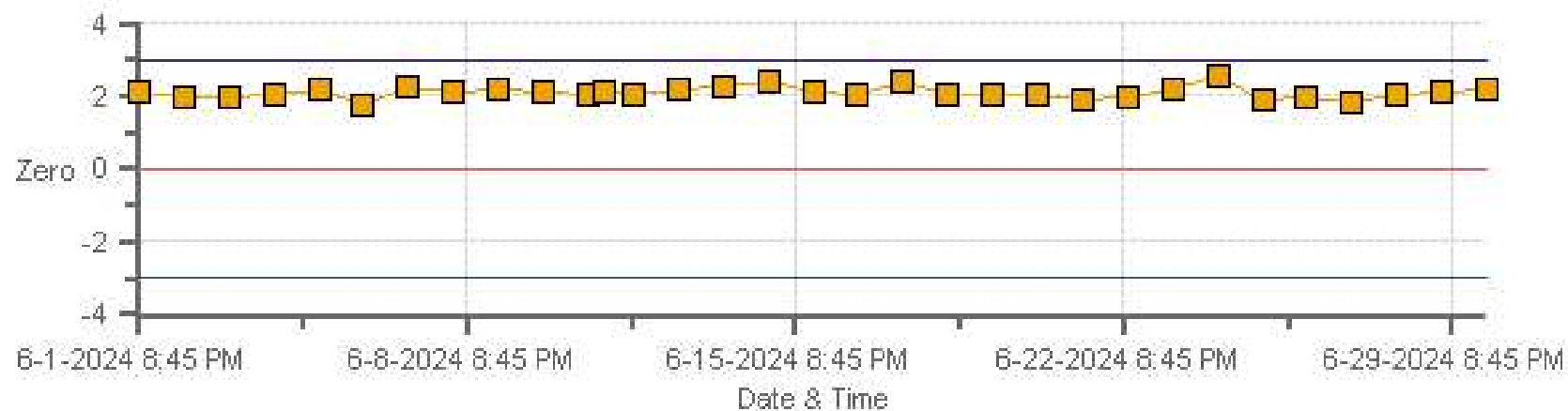
Zero Zero Ref Zero Low Zero High

NO2[ppb] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Span



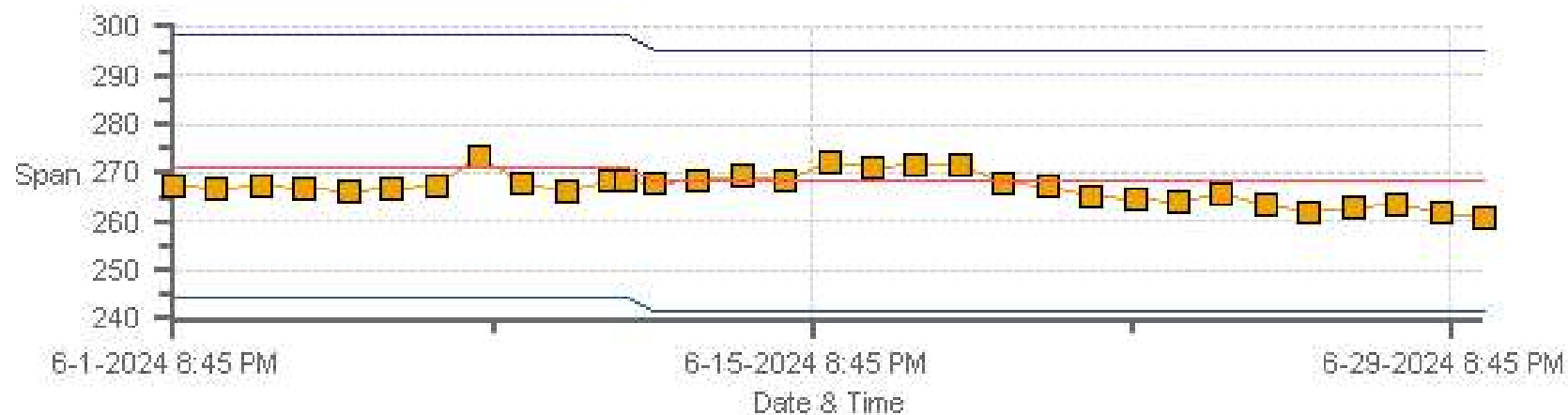
Span SpanRef Span Low Span High

O3[ppb] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Zero



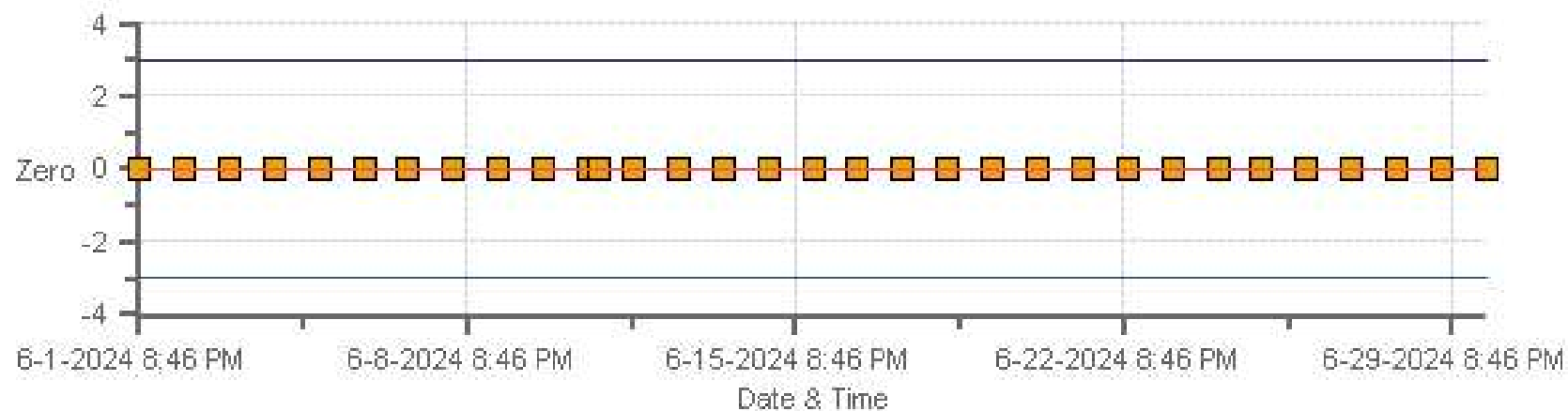
Zero Zero Ref Zero Low Zero High

O3[ppb] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Span



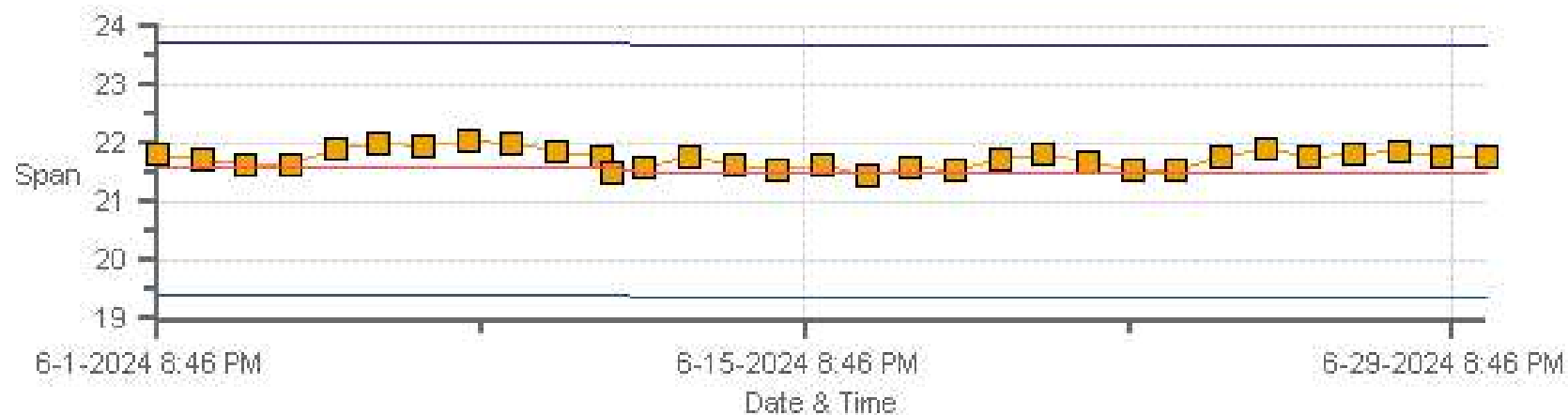
Span Span Ref Span Low Span High

THC55[ppm] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Zero



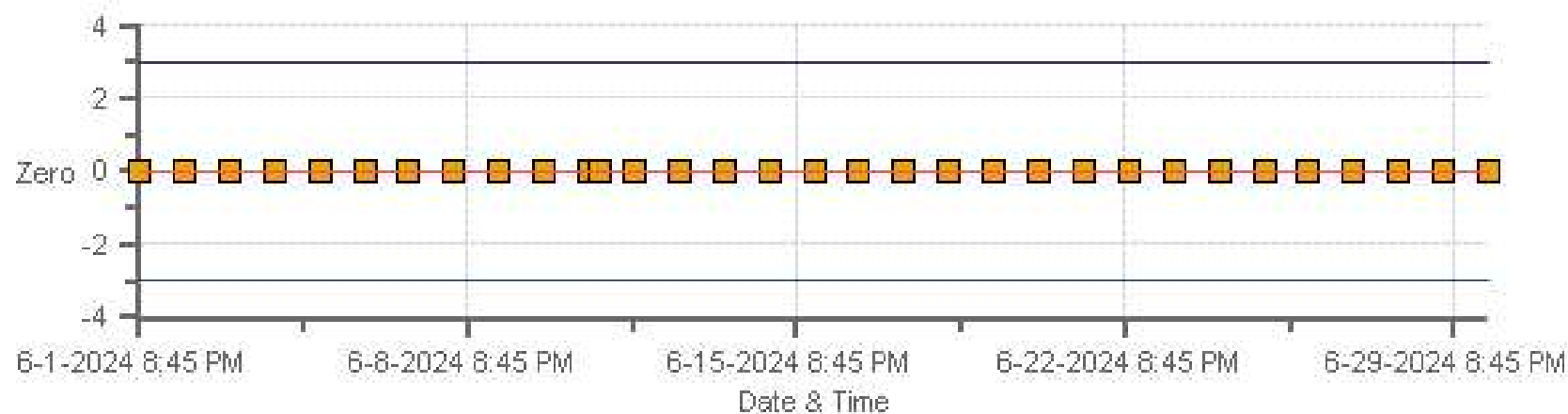
Zero Zero Ref Zero Low Zero High

THC55[ppm] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Span



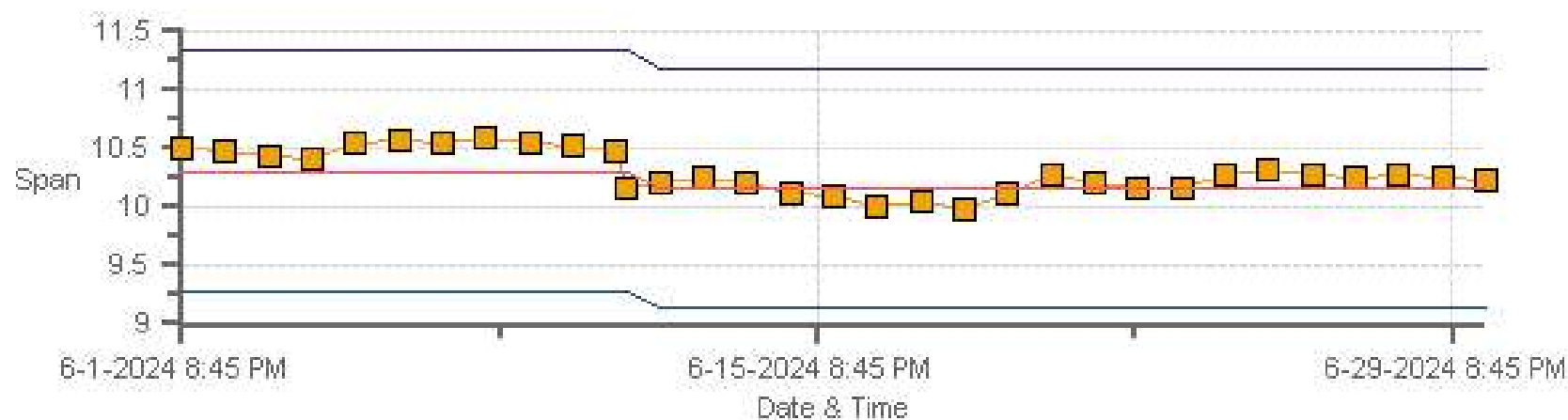
Span Span Ref Span Low Span High

CH4[ppm] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Zero



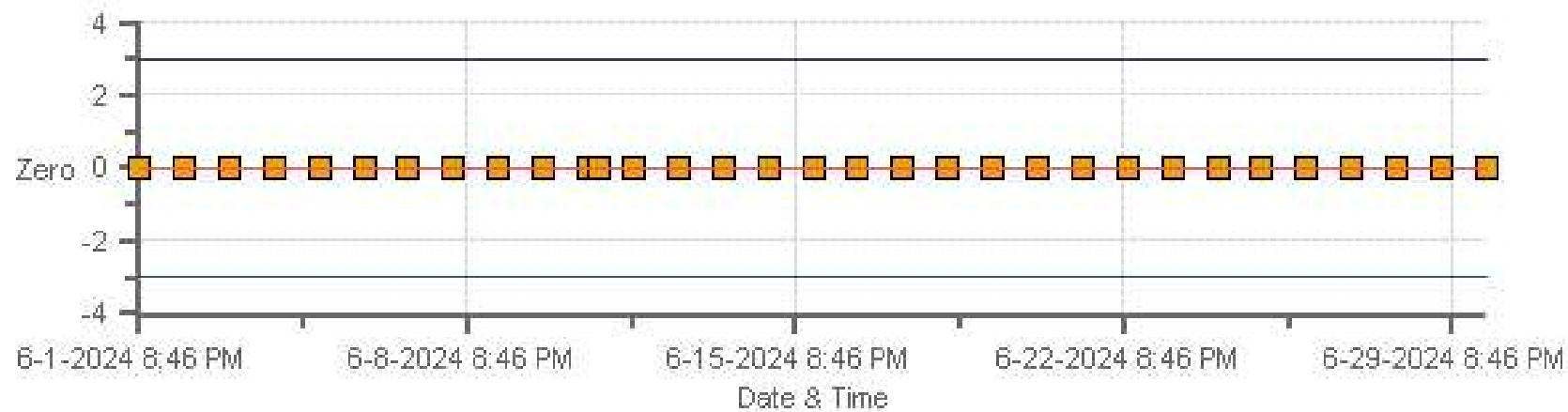
Zero Zero Ref Zero Low Zero High

CH4[ppm] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Span



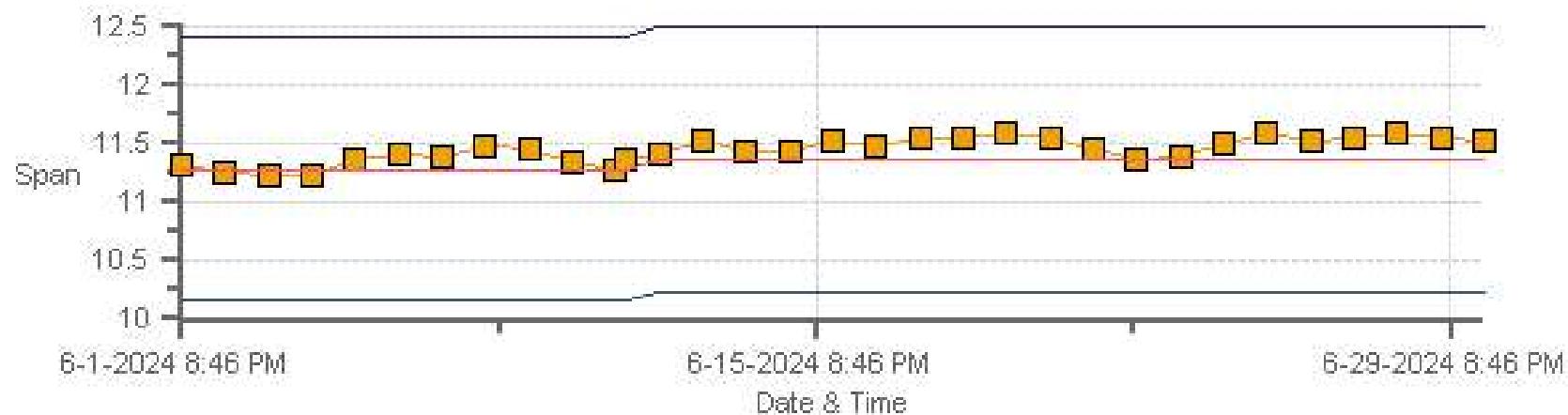
Span Span Ref Span Low Span High

NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Zero



Zero Zero Ref Zero Low Zero High

NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 06-2024 Type: SpanAndZero - Span



Span Span Ref Span Low Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution



DATE:	11-Jun-2024	PREVIOUS CALIBRATION DATE:	07-May-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	21.7
LOCATION:	Grimshaw	BAROMETRIC (mBar):	932
PURPOSE:	Routine	START TIME (MST):	08:21
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:54

ANALYZER:

MAKE/MODEL	Teledyne T100	RANGE	500 ppb
SERIAL #	722	FLOW (mL/min)	472
INITIAL		FINAL	
BKG/OFFSET	33.7	BKG/OFFSET	35.1
COEF/SLOPE	0.942	COEF/SLOPE	0.935
Expected (reference) Value	260.8	Expected (reference) Value	263.6

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	800	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:

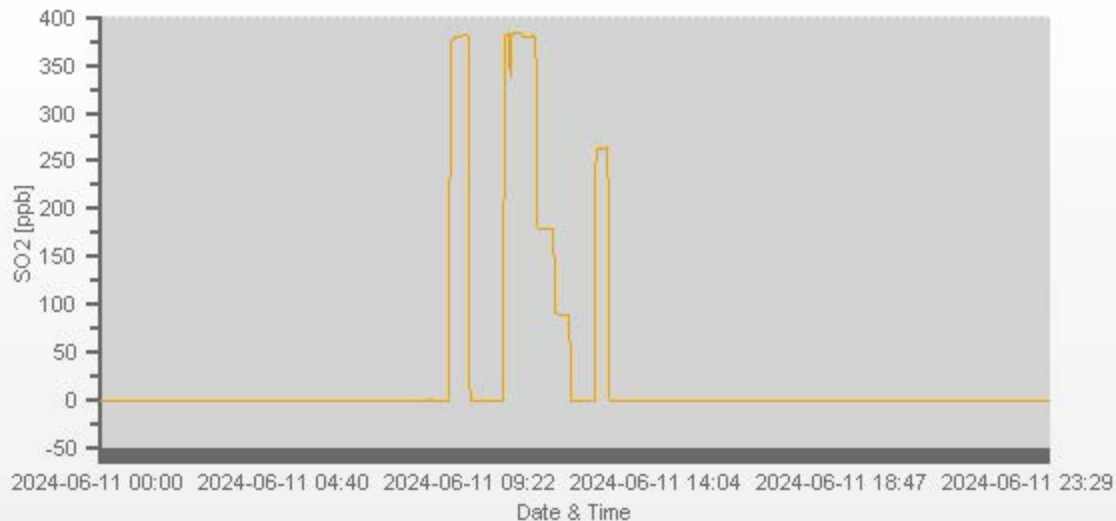
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999	60.80	3999	0.00	0.8	0	0.998	0.998
3938	60.80	3999	380.10	381.5	380.7	0.998	0.998
3971	28.80	4000	180.00	n/a	179.9	n/a	1.001
3987	14.40	4001	89.98	n/a	90.3	n/a	0.996

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.0%

COMMENTS:

Sample filter changed. 10:20 = Daily ZS. Adj high restarted.



TRS Analyzer Calibration by Dilution



DATE:	11-Jun-2024	PREVIOUS CALIBRATION DATE:	07-May-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	21.7
LOCATION:	Grimshaw	BAROMETRIC (mBar):	932
PURPOSE:	Routine	START TIME (MST):	08:21
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:54

ANALYZER:

MAKE/MODEL	Teledyne T100U	RANGE	100 ppb
SERIAL #	132	FLOW (mL/min)	539
INITIAL		FINAL	
BKG/OFFSET	66.9	BKG/OFFSET	69.5
COEF/SLOPE	0.688	COEF/SLOPE	0.677
Expected (reference) Value	47.29	Expected (reference) Value	47.04

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	1300	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			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999	30.90	3999	0.00	0.81	0	1.000	1.002
3968	30.90	3999	77.96	78.8	77.82	1.000	1.002
3985	15.10	4000	38.09	n/a	37.71	n/a	1.010
3994	7.50	4001	18.91	n/a	18.37	n/a	1.030

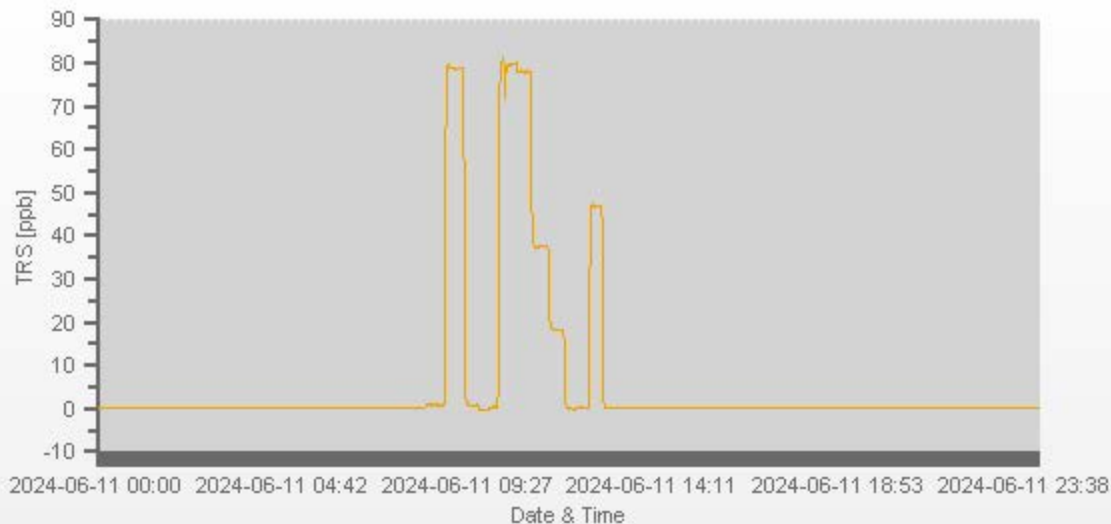
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	-0.3%

COMMENTS:

Converter, CDNova CDN-101 #576. 10:20 = Daily ZS. Adj high restarted.

TRS[ppb] Station: AQHI Grimshaw Daily: 2024-06-11 Type: AVG 1 Min. [1 Min.]



CAL-PRAMP-202406-01689

NOx Calibration by Dilution/Gas-Phase Titration



CALIBRATION:				ANALYZER:			
DATE:	11-Jun-2024	PREVIOUS CALIBRATION DATE:	07-May-2024	MAKE/MODEL:	Teledyne T200	PREVIOUS CF.	
CLIENT:	PRAMP	TEMPERATURE (°C):	21.7	SERIAL #:	837	NOx	0.994
LOCATION:	Grimshaw	BAROMETRIC (mBar):	932	FLOW (mL/min)	438	NO	1.003
PURPOSE:	Routine	START TIME (MST):	08:21	RANGE (ppb)	500	NO2	0.997
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:33	GPT FOR O3?		Yes	

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:		FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	EY0001716	HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	NO/NOx (PPM):	49.2 49.4	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	650	LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	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:	1.3	-0.6	n/a	BKG/OFFSET:	0.2	-1.7	n/a
SLOPE/COEF/CE:	0.993	0.989	0.996	SLOPE/COEF/CE:	1.003	1.026	0.996

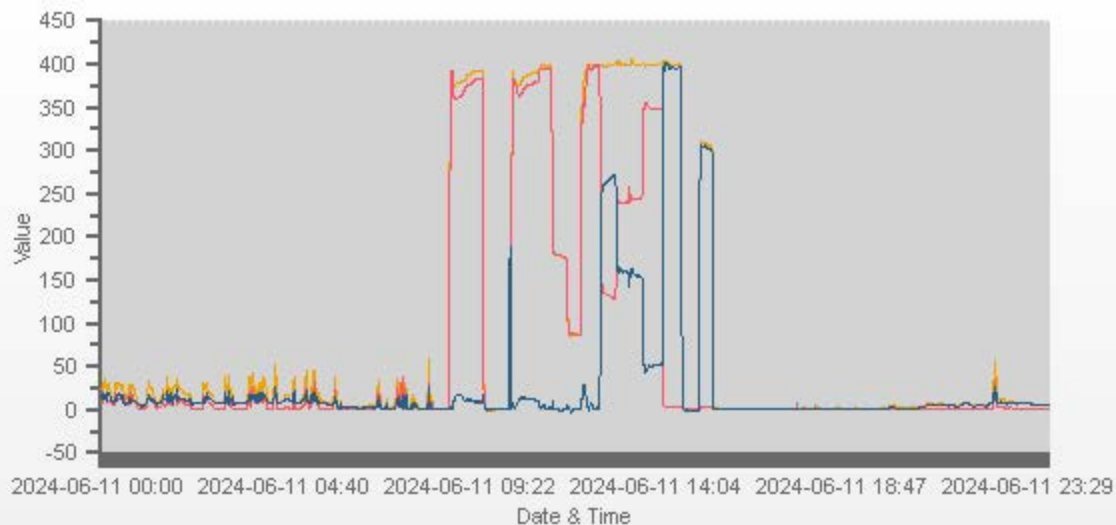
EXPECTED (REFERENCE) VALUE:							
INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	309.1	1.7	307.4		306.6	2.9	303.6

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

FLOW RATE			CONCENTRATION (ppb)									CORRECTION FACTOR (CF.)					
(mL/min)			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
5000	5000	5000	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0	0.0	1.031	1.015	1.000	1.000	1.001	1.000
4960	40.10	5000	394.6	396.2	1.6	382.9	392.0	9.1	394.4	395.8	1.4	1.031	1.015	1.000	1.000	1.001	1.000
4982	18.30	5000	180.1	180.8	0.7	n/a	n/a	n/a	176.6	176.7	0.1	n/a	n/a	1.020	1.020	1.023	1.020
4991	9.20	5000	90.5	90.9	0.4	n/a	n/a	n/a	86.7	88.3	1.6	n/a	n/a	1.044	1.044	1.029	1.044

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	40.20	4999	0	397.7	399.9	2.1				
AS-FOUND HIGH	40.20	4999	260	129.4	400.2	270.7	268.3	268.6	0.999	100.11%
ADJUSTED HIGH	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MID	40.20	4999	150	244.5	399.4	154.8	153.2	152.7	1.003	99.67%
LOW	40.20	4999	55	347.5	400.4	52.9	50.2	50.8	0.988	101.20%
NO2 adjustment not required.									AVERAGE:	100.33%

LINEAR REGRESSION ANALYSIS:				COMMENTS:
	CORRELATION	SLOPE	INTERCEPT	
NO	1.000	1.002	-0.45%	
NOx	1.000	1.001	-0.37%	
NO2	1.000	0.999	0.06%	



CAL-PRAMP-202406-01689

— NOX [ppb] — NO [ppb] — NO2 [ppb]

Ozone Calibration by Direct GPT



DATE:	11-Jun-2024	PREVIOUS CALIBRATION DATE:	07-May-2024
PARAMETER:	O3	PREVIOUS CORRECTION FACTOR:	0.997
CLIENT:	PRAMP	TEMPERATURE (°C):	21.2
LOCATION:	Grimshaw	BAROMETRIC (mBar):	932
PURPOSE:	Routine	START TIME (MST):	14:57
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	18:59

ANALYZER:

MAKE/MODEL	Teledyne T400	RANGE	500 ppb
SERIAL #	824	FLOW (mL/min)	735
INITIAL		FINAL	
BKG/OFFSET	-1.5	BKG/OFFSET	-1.7
COEF/SLOPE	1.001	COEF/SLOPE	1.01
Expected (reference) Value	271.3	Expected (reference) Value	268.3

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	T701
ID:	26801218	ID:	80
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION METHOD:		Direct GPT	
GPT DATE:	11-Jun-2024	GPT END TIME:	14:41

CALIBRATION PARAMETERS:

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

CALIBRATION:

FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
5000	XXXXXX	5000	0.0	-0.9	0.0	XXXXXX	XXXXXX
5000	XXXXXX	5000	394.1	388.4	394.7	1.012	0.998
5000	XXXXXX	5000	153.2	n/a	152.5	n/a	1.005
5000	XXXXXX	5000	50.2	n/a	52.7	n/a	0.953

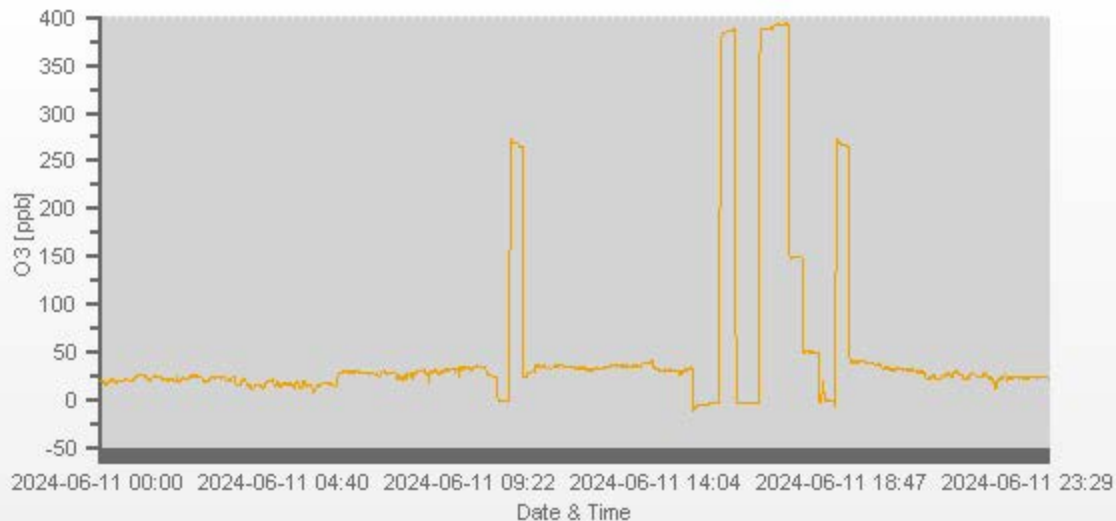
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.2%

COMMENTS:

Sample filter changed

O3[ppb] Station: AQHI Grimshaw Daily: 2024-06-11 Type: AVG 1 Min. [1 Min.]



CAL-PRAMP-202406-01689

Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	11-Jun-2024	PREVIOUS CALIBRATION DATE:	07-May-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	22.1		Thermo 55i	12101910497	1087
LOCATION:	Grimshaw	BAROMETRIC (mBar):	931	PARAMETER:	CH4	NMHC	THC
PURPOSE:	Routine	START TIME (MST):	12:17	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:24	PREVIOUS CF:	0.999	0.994	0.997

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:		FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Sabio	CYLINDER ID:	LL68768	HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH ₄ /C ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	80	CYLINDER (psi):	1000	LOW ID:	n/a
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE	
TARGET	14	7	3.5	C ₃ H ₈ as CH ₄	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH ₄	1724.8

EXPECTED (REFERENCE) VALUE:

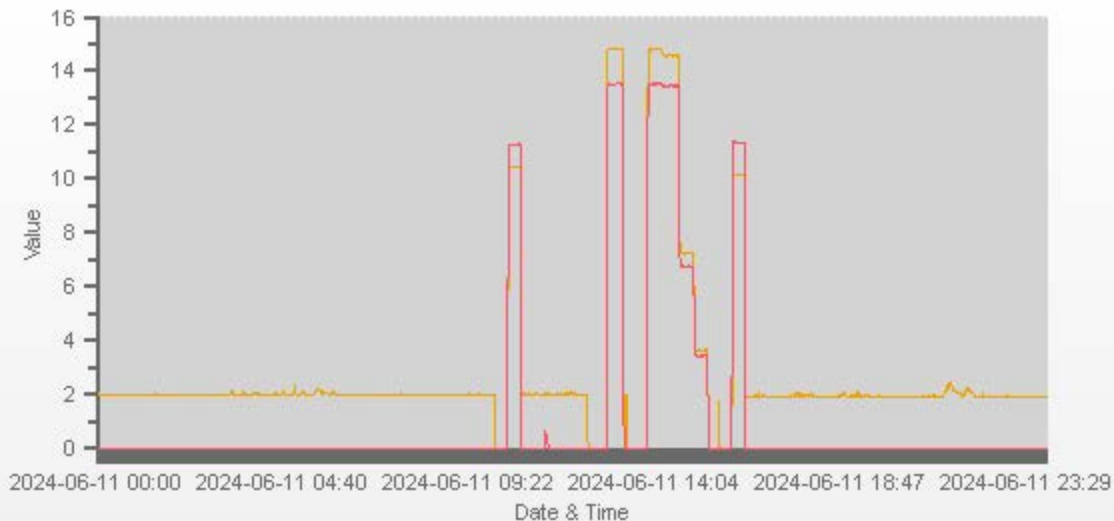
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.30	11.28	21.58		10.16	11.36	21.52

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
2999	X	2999	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	X	X	X	X	X	X
2951	48.70	3000	14.56	13.44	28.00	14.83	13.53	28.36	14.57	13.46	28.02	0.982	0.993	0.987	0.999	0.998	0.999
2975	24.30	2999	7.27	6.71	13.98	n/a	n/a	n/a	7.27	6.76	14.03	n/a	n/a	n/a	1.000	0.992	0.996
2987	12.20	2999	3.65	3.37	7.02	n/a	n/a	n/a	3.66	3.45	7.11	n/a	n/a	n/a	0.997	0.976	0.987

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments:			
CH ₄	1.000	1.000	0.0%	H2 = AMA HG300 #190567059 Sample Filter Changed			
NMHC	1.000	1.000	0.2%				
THC	1.000	1.000	0.1%	Use Zero Chrom?		No	



CAL-PRAMP-202406-01689



Teledyne T640 Audit/Calibration

Date/Previous Audit Date:	June 11, 2024	May 7, 2024	Weather Conditions:	Light rain/scattered showers	
Company:	PRAMP		Start Time (mst):	14:16	
Station:	Grimshaw		End Time (mst):	14:53	
Parameter:	PM 2.5		Performed By/Reviewer:	Kevin Sebastian	Chris Wesson
Instrument Data:					
Make/Model:	Teledyne T640		Serial Number:	318	
Owner:	PRAMP		Alarms (detail in comments):	No	
Reference Standards/I.D./Expiry Date:					
Flow Standard: Deltacal DC1 #201588, Exp Dec 01, 2024			Temperature: Deltacal DC1 #201588, Exp Dec 01, 2024		
Digital Manometer: Deltacal DC1 #201588, Exp Dec 01, 2024			Pressure: Deltacal DC1 #201588, Exp Dec 01, 2024		
DIAGNOSTICS:					
Ambient Pressure (mmHg)	699.1	Ambient Temp (°C)	13.8	ASC Heater Duty (%)	78.3
Box Temp (°C)	26.5	Current PMT HV (V)	1526	LED Temp (°C)	34.61
P3 Value	48	PMT Setting (V)	1532	Pump PWM (%)	65
Sample Flow (L/min)	4.96	Sample RH (%RH)	34.5	Sample Temp (°C)	26.7
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)	699.0	698.9	n/a	n/a	+/- 10 mm Hg
Ambient Temperature (°C)	13.80	13.6	n/a		+/- 2°C
Sample Flow (L/min)	4.99	4.95	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
Comments:					
Found Moisture Trap broken upon arrival					

Meteorological System Checklist



Date:	June 11, 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:	May 7, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Temperature (°C):	16.1		
Station - Ambient Temperature (°C):	15.3		
Temperature Difference (°C):	0.8		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	May 7, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024		
Reference Pressure - Units/Reading:	millibar	930.6	
Station Pressure - Units/Reading:	millibar	930.8	
Pressure Tolerance +/- 15% of error:	791 - 1070	-0.02%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	May 7, 2024		
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	60.80		
Station Hygrometer % RH- Reading:	61.70		
RH Tolerance +/- 15% of difference:	51.68 - 69.92	-1.5%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	May 7, 2024	Previous check date:	May 7, 2024
Wind Speed Observed (kph):	5~10	Wind Direction Observed:	W
Wind speed on Data Logger (kph):	8.4	Wind Direction on Data Logger:	W
		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

JUNE 2024

Ambient Air Monitoring Calibration Report

- PEACE RIVER COMPLEX (PRC) STATION-

CAL-PRAMP-202406-01698

Operation and Maintenance:

Bureau Veritas Canada

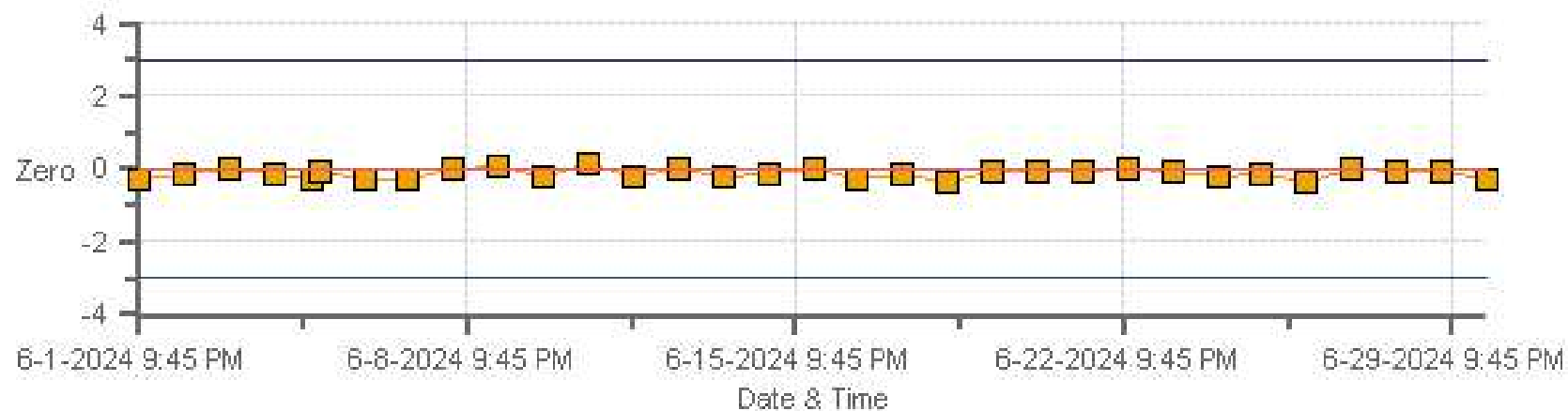
Data Validation and Report:

Bureau Veritas Canada

July 10, 2024

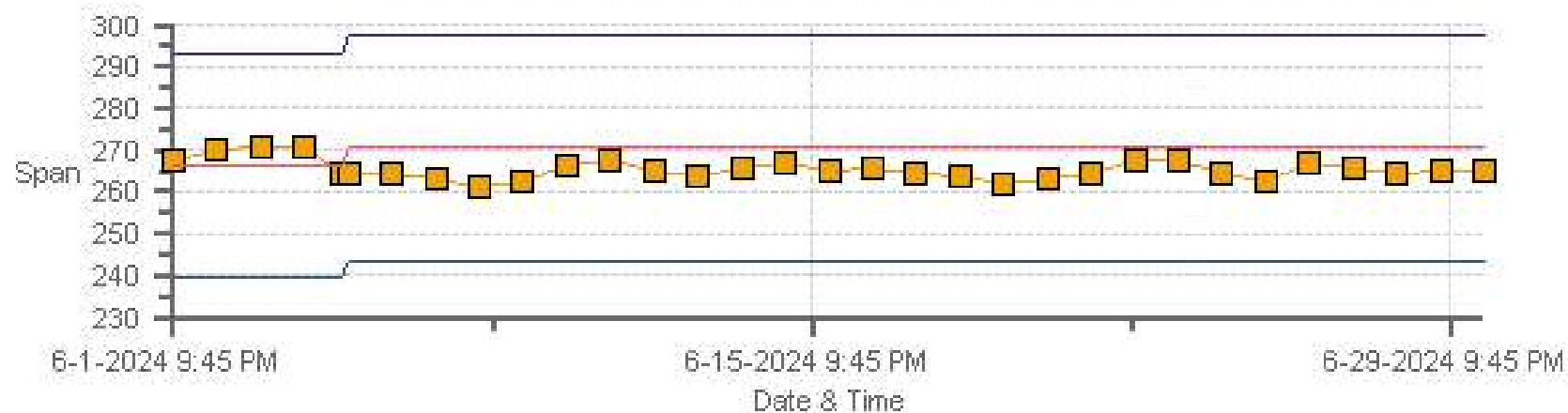
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Zero



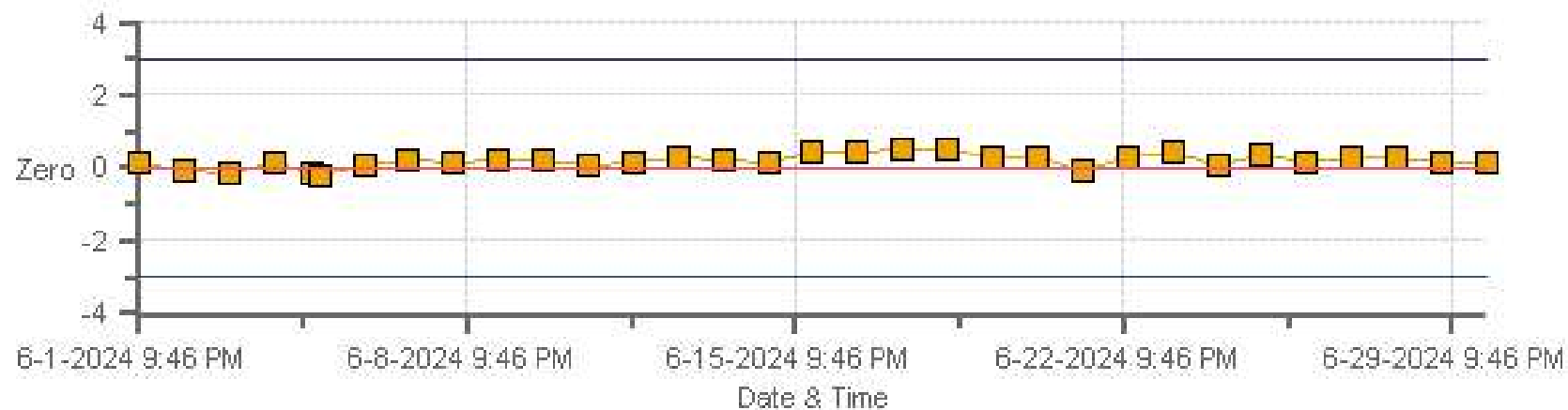
Zero Zero Ref Zero Low Zero High

SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Span



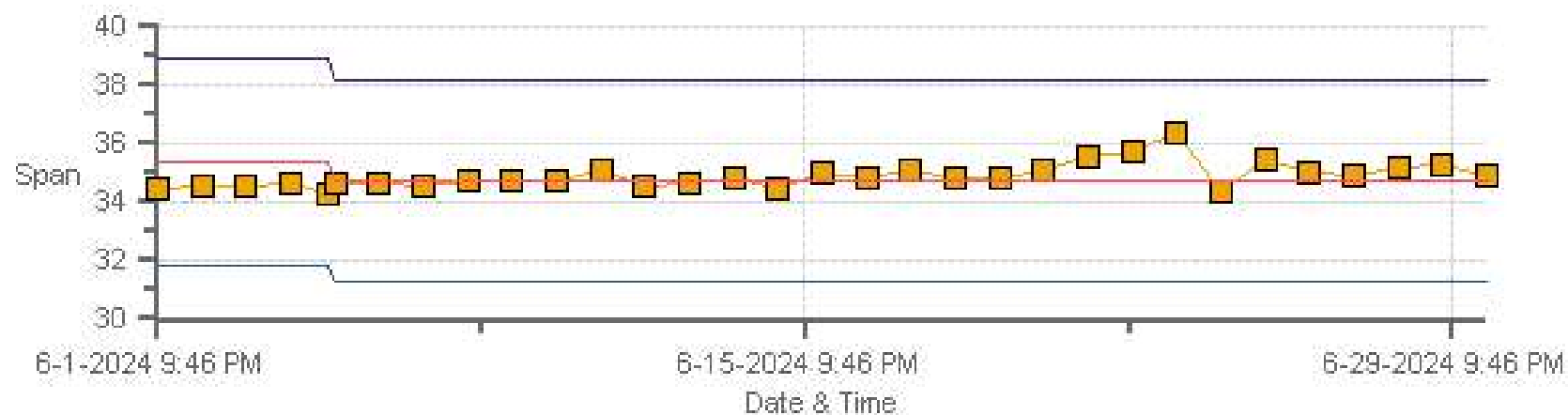
Span Span Ref Span Low Span High

H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Zero



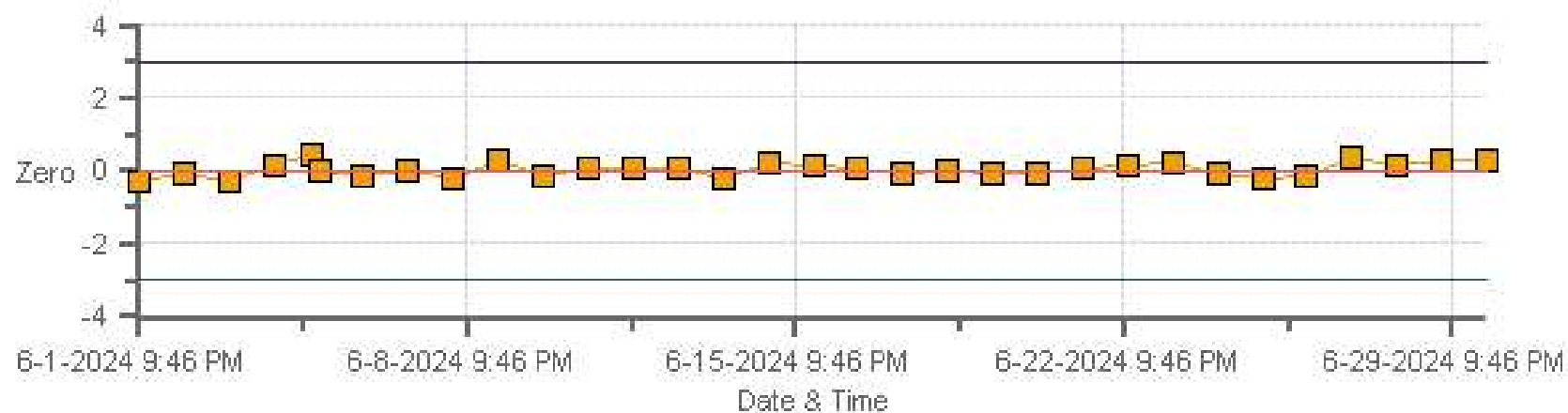
Zero Zero Ref Zero Low Zero High

H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Span



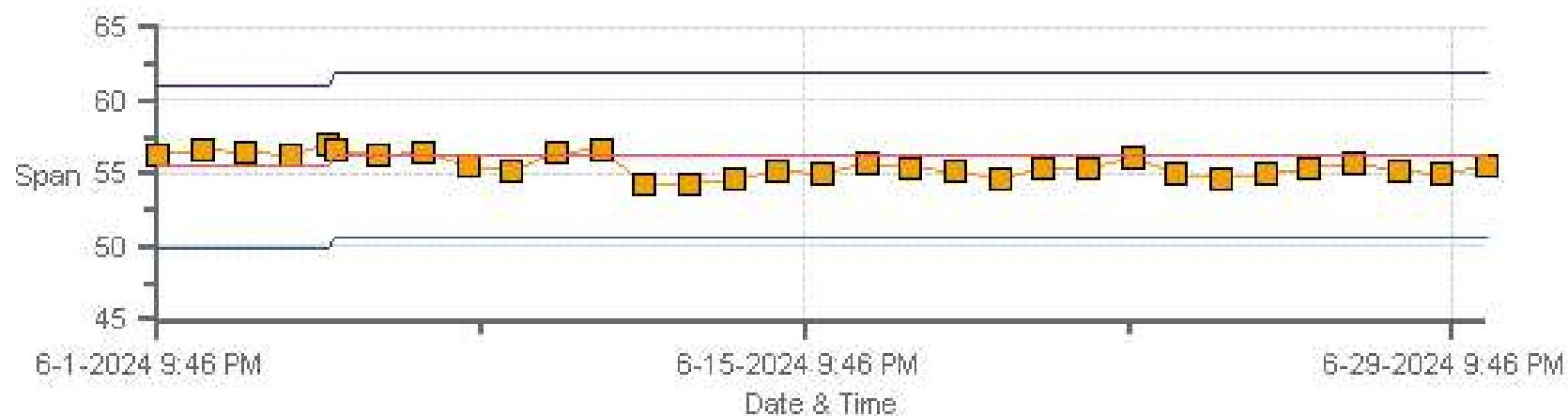
Span SpanRef Span Low Span High

TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Zero



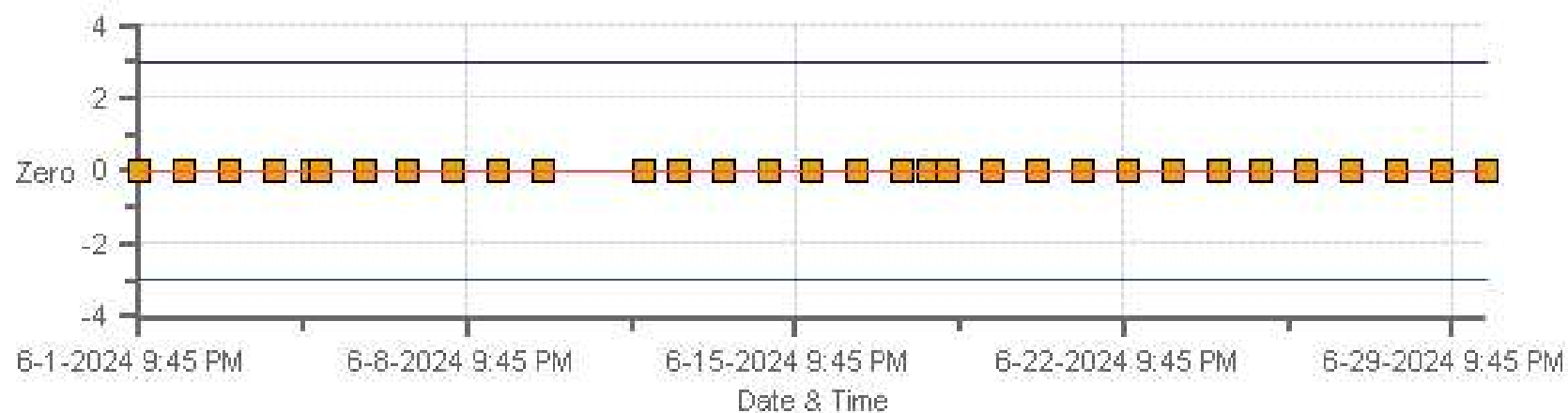
Zero Zero Ref Zero Low Zero High

TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Span



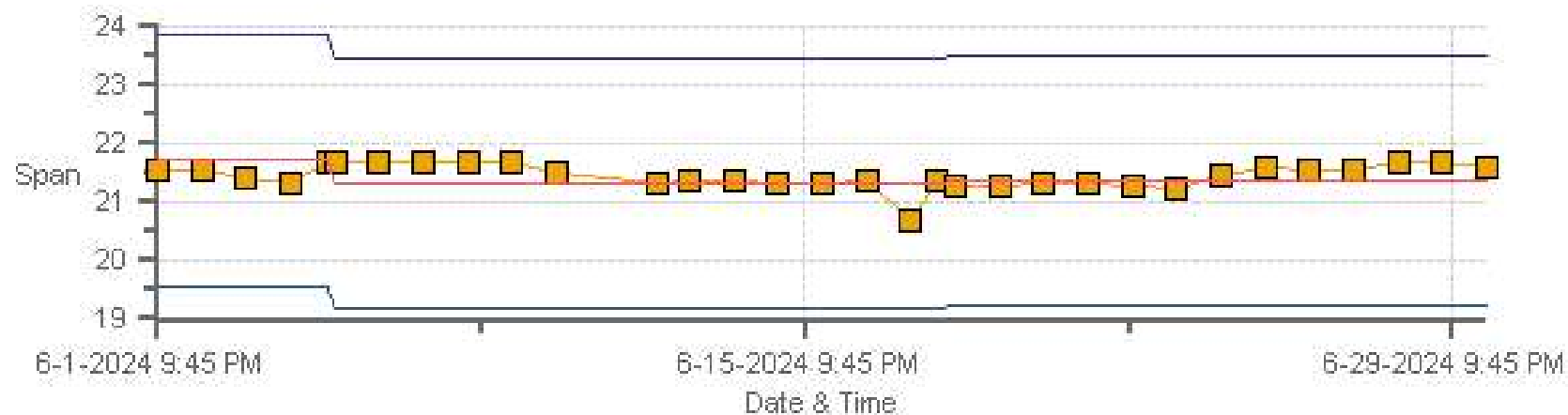
Span Span Ref Span Low Span High

THC55(ppm) Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Zero



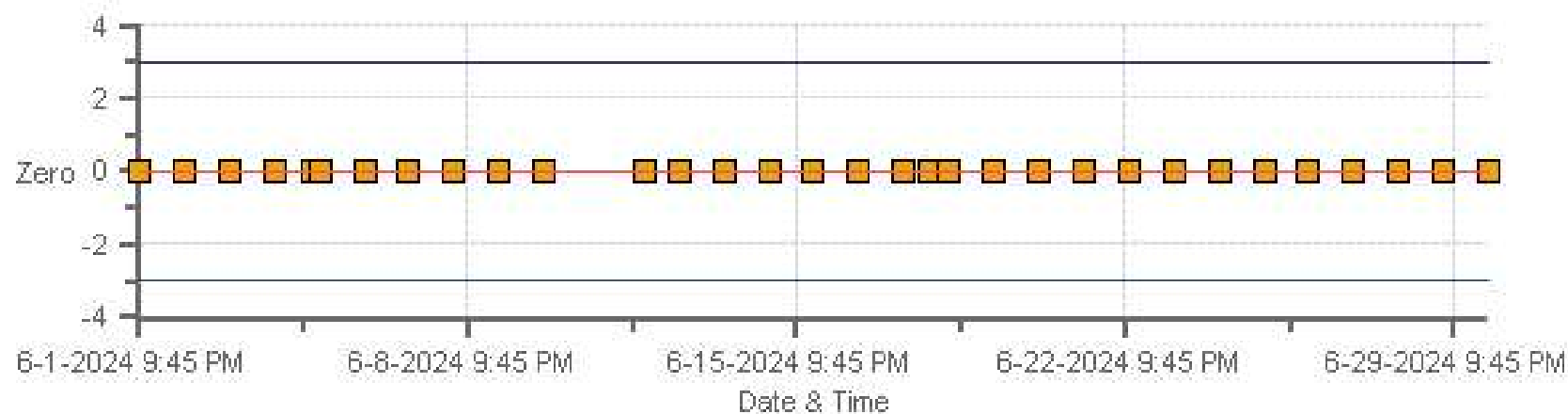
Zero Zero Ref Zero Low Zero High

THC55(ppm) Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Span



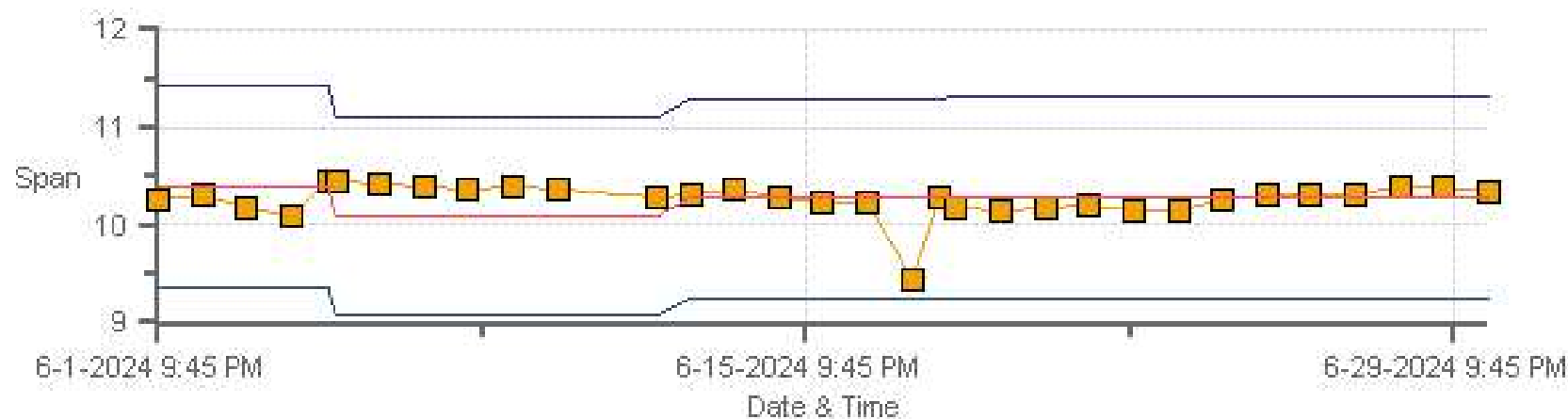
Span SpanRef Span Low Span High

CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Zero



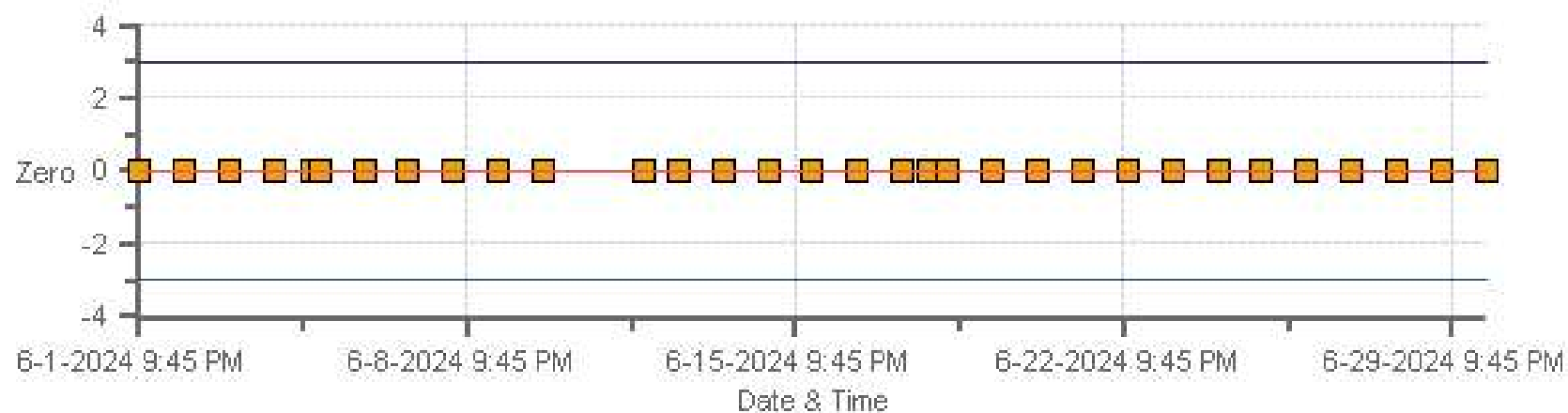
Zero Zero Ref Zero Low Zero High

CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Span



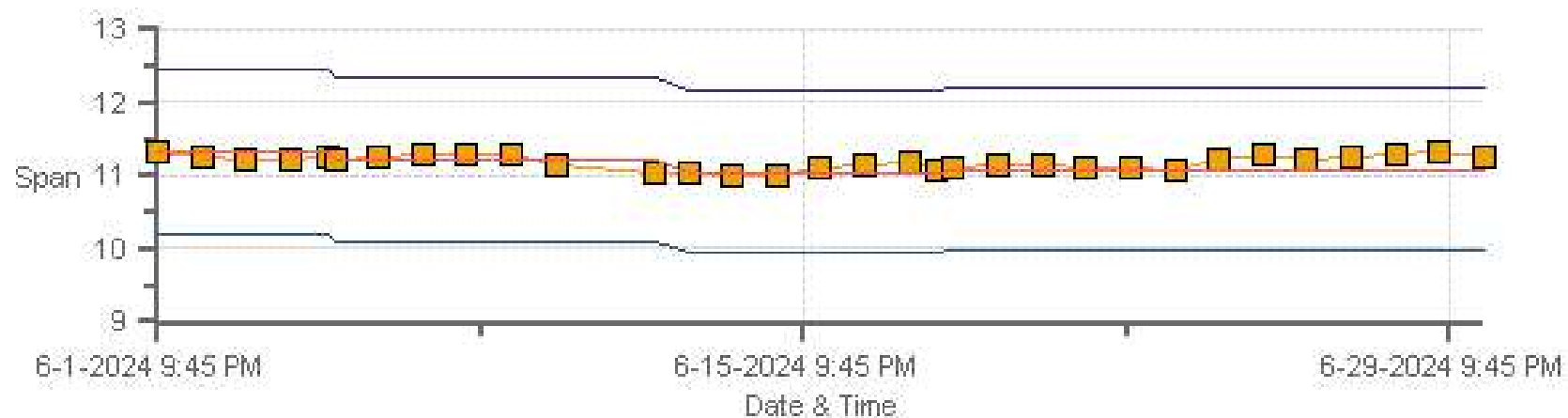
Span Span Ref Span Low Span High

NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Zero



Zero Zero Ref Zero Low Zero High

NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 06-2024 Type: SpanAndZero - Span



Span Span Ref Span Low Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution



DATE:	05-Jun-2024	PREVIOUS CALIBRATION DATE:	15-May-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	23.2
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	937
PURPOSE:	Routine	START TIME (MST):	10:01
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:09

ANALYZER:

MAKE/MODEL	Thermo 43i	RANGE	500 ppb
SERIAL #	1034746225	FLOW (mL/min)	435
INITIAL		FINAL	
BKG/OFFSET	20.7	BKG/OFFSET	20.5
COEF/SLOPE	1.158	COEF/SLOPE	1.15
Expected (reference) Value	266.5	Expected (reference) Value	270.6

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	800	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:

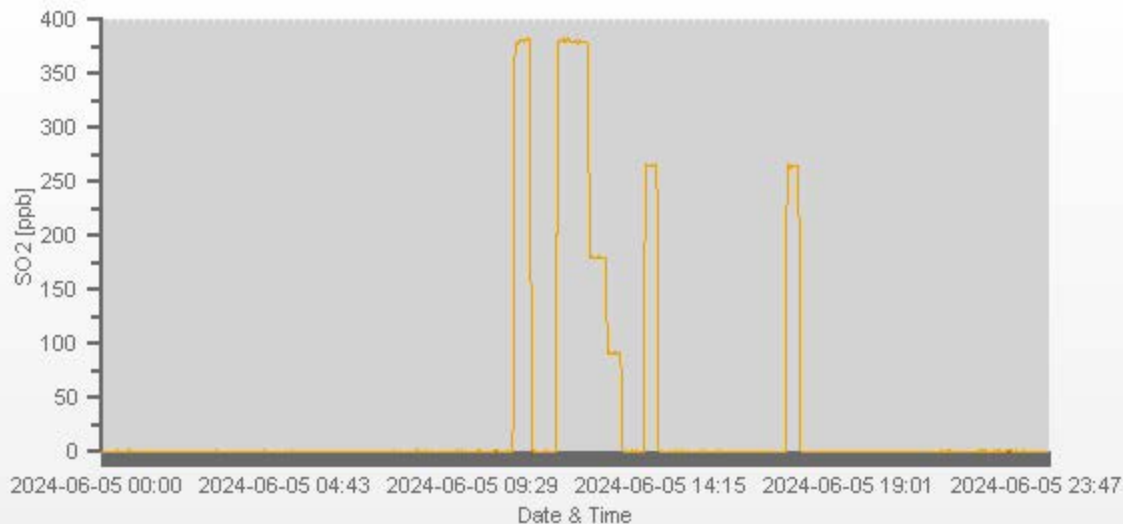
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001	60.80	4001	0.00	0	0	0.996	1.002
3938	60.80	3999	380.10	381.7	379.4	0.996	1.002
3970	28.80	3999	180.05	n/a	179.5	n/a	1.003
3985	14.40	3999	90.02	n/a	91.4	n/a	0.985

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.997	0.1%

COMMENTS:

Sample filter changed.



H2S Analyzer Calibration by Dilution



DATE:	05-Jun-2024	PREVIOUS CALIBRATION DATE:	15-May-2024
PARAMETER:	H2S	PREVIOUS CORRECTION FACTOR:	1.005
CLIENT:	PRAMP	TEMPERATURE (°C):	23.2
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	937
PURPOSE:	Routine	START TIME (MST):	10:00
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:09

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1308857354	FLOW (mL/min)	921
INITIAL		FINAL	
BKG/OFFSET	16.2	BKG/OFFSET	16.5
COEF/SLOPE	1.088	COEF/SLOPE	1.112
Expected (reference) Value	35.4	Expected (reference) Value	34.7

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	1300	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:

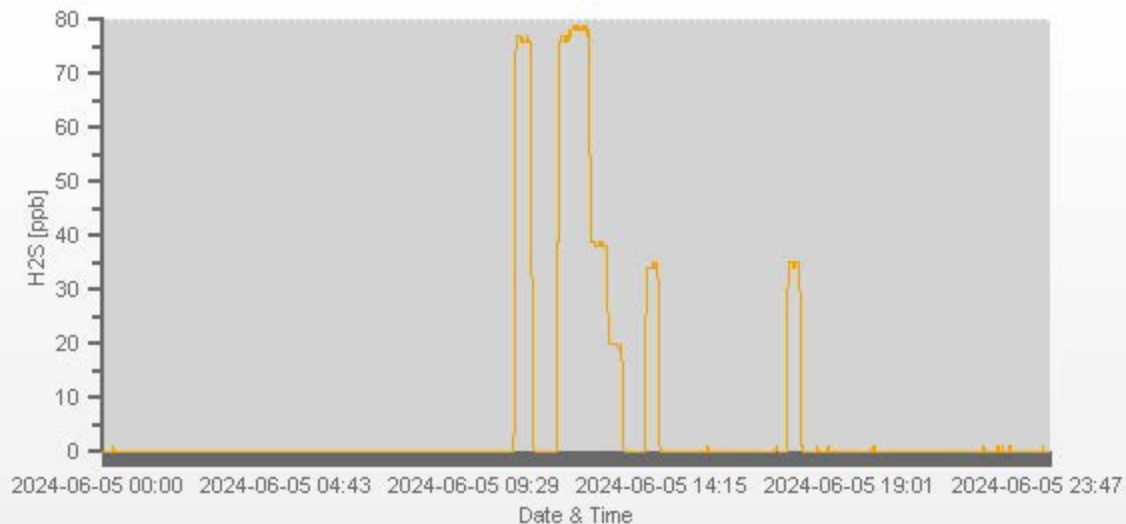
FLOW RATES			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001	30.90	4001	0.00	-0.1	0	1.020	0.994
3968	30.90	3999	77.96	76.3	78.4	1.020	0.994
3984	15.10	3999	38.10	n/a	38.2	n/a	0.997
3992	7.50	3999	18.92	n/a	19.75	n/a	0.958

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.002	0.3%

COMMENTS:

Sample filter changed



TRS Analyzer Calibration by Dilution



DATE:	05-Jun-2024	PREVIOUS CALIBRATION DATE:	15-May-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.995
CLIENT:	PRAMP	TEMPERATURE (°C):	23.2
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	937
PURPOSE:	Routine	START TIME (MST):	10:00
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:08

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1034746224	FLOW (mL/min)	683
INITIAL		FINAL	
BKG/OFFSET	30.3	BKG/OFFSET	30.6
COEF/SLOPE	1.1	COEF/SLOPE	1.106
Expected (reference) Value	55.49	Expected (reference) Value	56.33

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-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):	1300	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			CONCENTRATION (ppb)			CORRECTION FACTOR	
(mL/min)			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	-0.2	0		
3968	30.90	3999	77.96	78.37	78.61	0.992	0.992
3984	15.10	3999	38.10	n/a	38.94	n/a	0.978
3992	7.50	3999	18.92	n/a	19.7	n/a	0.961

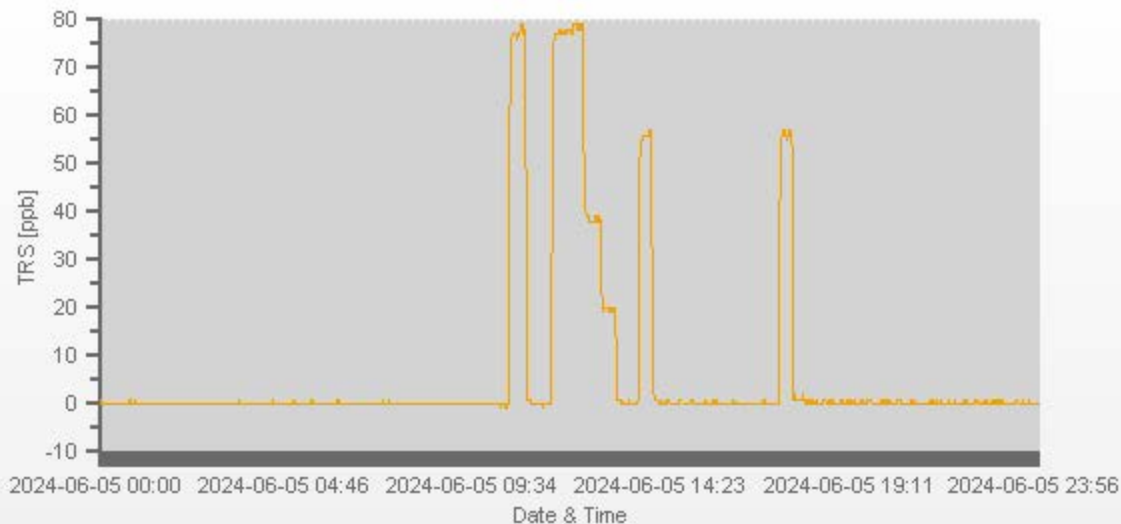
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.006	0.4%

COMMENTS:

TRS Converter CDNOVA CDN-101 #516

TRS[ppb] Station: Peace River Complex [PRC] Daily: 2024-06-05 Type: AVG 1 Min. [1 Min.]



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— TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	05-Jun-2024	PREVIOUS CALIBRATION DATE:	15-May-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	23.2		Thermo 55i	1034745845	1071
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	937	PARAMETER:	CH4	NMHC	THC
PURPOSE	Routine	START TIME (MST):	10:01	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:37	PREVIOUS CF:	0.997	0.996	0.997

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 ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	800	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 (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE	
TARGET	14	7	3.5	C ₃ H ₈ as CH ₄	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH ₄	1724.8

EXPECTED (REFERENCE) VALUE:

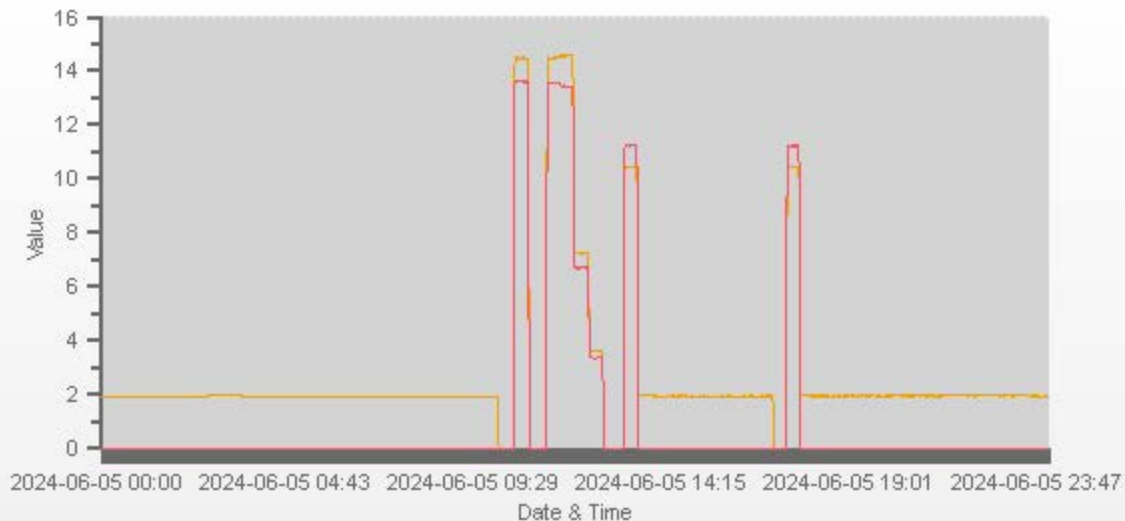
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.38	11.33	21.71		10.08	11.23	21.31

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3094	X	3094	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	X	X	X	X	X	X
3048	50.30	3098	14.56	13.44	28.00	14.48	13.60	28.07	14.57	13.40	27.98	1.006	0.988	0.998	1.000	1.003	1.001
3075	25.10	3100	7.26	6.70	13.96	n/a	n/a	n/a	7.25	6.72	13.98	n/a	n/a	n/a	1.002	0.997	0.999
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.63	3.39	7.02	n/a	n/a	n/a	1.005	0.993	0.999

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments:			
CH ₄	1.000	1.001	-0.1%	Filter Change - No Issues H2 = AMA HG300 #211067076			
NMHC	1.000	0.997	0.1%				
THC	1.000	0.999	0.0%				
				Use Zero Chrom?		No	



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Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	12-Jun-2024	PREVIOUS CALIBRATION DATE:	n/a	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	22.7		Thermo 55i	1191032505	1216
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	936	PARAMETER:	CH4	NMHC	THC
PURPOSE	Install/Post-Repair	START TIME (MST):	12:43	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:39	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 ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	80	CYLINDER (psi):	800	LOW ID:	n/a
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	08-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE	
TARGET	14	7	3.5	C ₃ H ₈ as CH ₄	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH ₄	1724.8

EXPECTED (REFERENCE) VALUE:

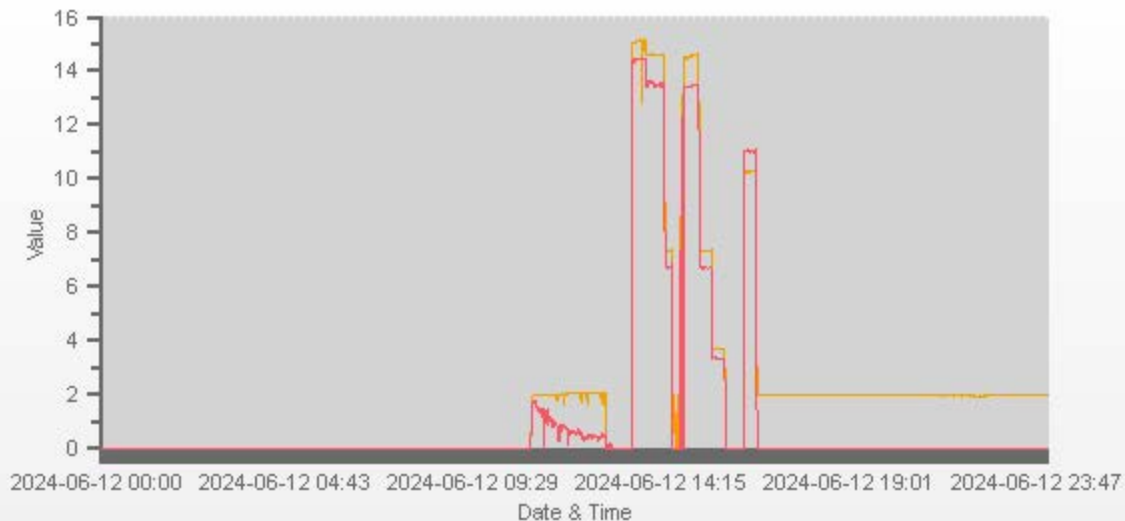
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	n/a	n/a	n/a		10.27	11.05	21.32

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3094	X	3094	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00	X	X	X	X	X	X
3048	50.30	3098	14.56	13.44	28.00	n/a	n/a	n/a	14.60	13.46	28.06	n/a	n/a	n/a	0.998	0.998	0.998
3076	25.10	3101	7.26	6.70	13.96	n/a	n/a	n/a	7.33	6.71	14.04	n/a	n/a	n/a	0.991	0.999	0.994
3088	12.60	3101	3.64	3.36	7.01	n/a	n/a	n/a	3.70	3.34	7.04	n/a	n/a	n/a	0.985	1.007	0.995

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments: H2 = AMA HG300 #211067076 PRAMP analyzer			
CH ₄	1.000	1.002	0.1%				
NMHC	1.000	1.002	-0.1%				
THC	1.000	1.002	0.0%	Use Zero Chrom?		Yes	



CAL-PRAMP-202406-01698

Methane/Non-Methane Analyzer Calibration by Dilution



CALIBRATION:				ANALYZER:			
DATE:	18-Jun-2024	PREVIOUS CALIBRATION DATE:	12-Jun-2024	VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
CLIENT:	PRAMP	TEMPERATURE (°C):	24.4		Thermo 55i	1191032505	1089
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	943	PARAMETER:	CH4	NMHC	THC
PURPOSE	Repeat	START TIME (MST):	14:58	RANGE (ppm):	20	20	40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	18:37	PREVIOUS CF:	0.998	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 ₃ H ₈ (ppm):	897.0 301.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	80	CYLINDER (psi):	800	LOW ID:	n/a
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	08-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH ₄ /NMHC)	HIGH	MID	LOW	CH ₄ EQUIVILANCE	
TARGET	14	7	3.5	C ₃ H ₈ as CH ₄	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH ₄	1724.8

EXPECTED (REFERENCE) VALUE:

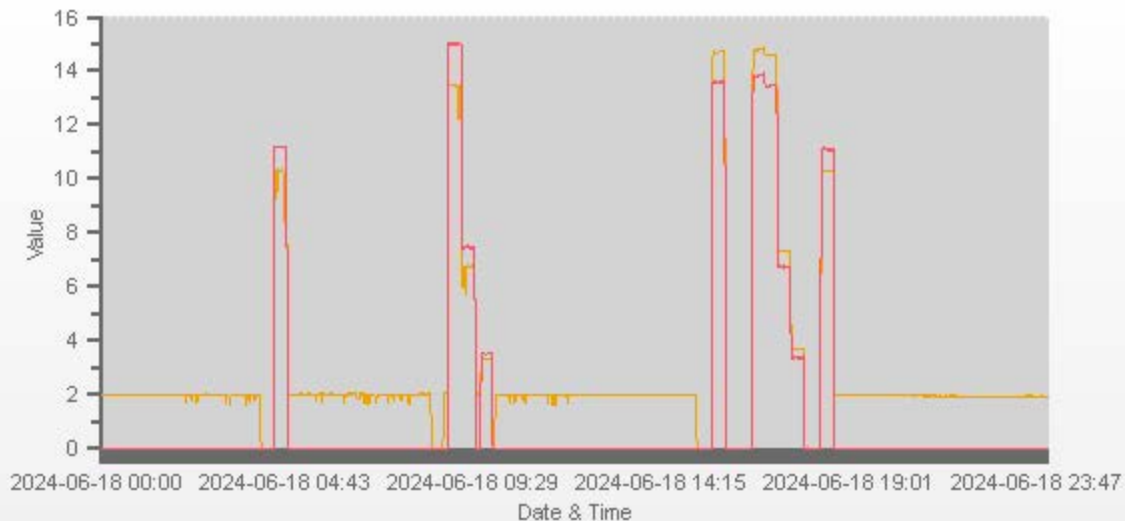
INITIAL	CH ₄	NMHC	THC	FINAL	CH ₄	NMHC	THC
	10.27	11.05	21.32		10.28	11.09	21.37

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC	CH ₄	NMHC	THC
3094	X	3094	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	X	X	X	X	X	X
3048	50.30	3098	14.56	13.44	28.00	14.74	13.59	28.33	14.60	13.47	28.07	0.988	0.989	0.988	0.998	0.998	0.998
3076	25.10	3101	7.26	6.70	13.96	n/a	n/a	n/a	7.34	6.74	14.07	n/a	n/a	n/a	0.989	0.994	0.992
3088	12.60	3101	3.64	3.36	7.01	n/a	n/a	n/a	3.71	3.38	7.08	n/a	n/a	n/a	0.982	0.995	0.990

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT	Comments:			
CH ₄	1.000	1.002	0.2%	H2 = AMA HG300 #211067076 Repeat calibration due to bad injections			
NMHC	1.000	1.002	0.0%				
THC	1.000	1.002	0.1%				
				Use Zero Chrom?		Yes	



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CH4 [ppm] NMHC [ppm]

Meteorological System Checklist



Date:	June 5, 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:	May 15, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Temperature (°C):	17.9		
Station - Ambient Temperature (°C):	18.1		
Temperature Difference (°C):	-0.2		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	May 15, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024		
Reference Pressure - Units/Reading:	millibar	938	
Station Pressure - Units/Reading:	millibar	937	
Pressure Tolerance +/- 15% of error:	797 - 1079	0.11%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	May 15, 2024		
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	48.20		
Station Hygrometer % RH- Reading:	47.70		
RH Tolerance +/- 15% of difference:	40.97 - 55.43	1.0%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	May 15, 2024	Previous check date:	May 15, 2024
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	NE
Wind speed on Data Logger (kph):	13.1	Wind Direction on Data Logger:	NE
		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 ₂ S)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
TOTAL REDUCED SULPHUR (TRS)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
TOTAL HYDROCARBONS (THC), METHANE (CH ₄), NON-METHANE(NMHC)	Bureau Veritas EMS SOP-00001: Methane, Non-Methane Hydrocarbon Analyzer Monitoring
OXIDES OF NITROGEN (NO _x), NITRIC OXIDE (NO) & NITROGEN DIOXIDE (NO ₂)	Bureau Veritas EMS SOP-00213: Ambient NO/NO ₂ /NO _x Monitoring
OZONE (O ₃)	Bureau Veritas EMS SOP-00212: Ambient O ₃ 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

JUNE 2024

Monthly Ambient Air Quality Monitoring Integrated Sampling Report

PRAMP-202406-INTEGRATED

July 17, 2024

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

July 17, 2024

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

RE: PRAMP –June 2024 Monthly Ambient Air Quality Monitoring Integrated Sampling Report

Enclosed is the June 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 ₂ S, 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 ₂ S, SO ₂	PRAMP	Bureau Veritas	PRAMP	PRAMP

Monitoring Notes during the Month of June 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 this month.

- **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 May and June were installed on April 30. They were removed on June 30.
 - The sample media for sampling period of July and August were installed on June 30. They are scheduled to be removed by the end of August.

- **Passives H₂S and SO₂ 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 June 1 and were removed on July 1.
 - A new sampling site was added to the network to bring the Peace River Complex's (PRC) passive network (a subcomponent of PRAMP's regional air monitoring program) into compliance, based on the AMD requirements of ME 3-U and ME 3-V on July 1. The site location is at latitude of 56.38257 and longitude of -116.769283. The first sample collection starts on July 1. The sample media will be exchanged with the rest of passive samples by the end of July. **(Notification-PRAMP-20240717) (ETS #4698909)**

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).

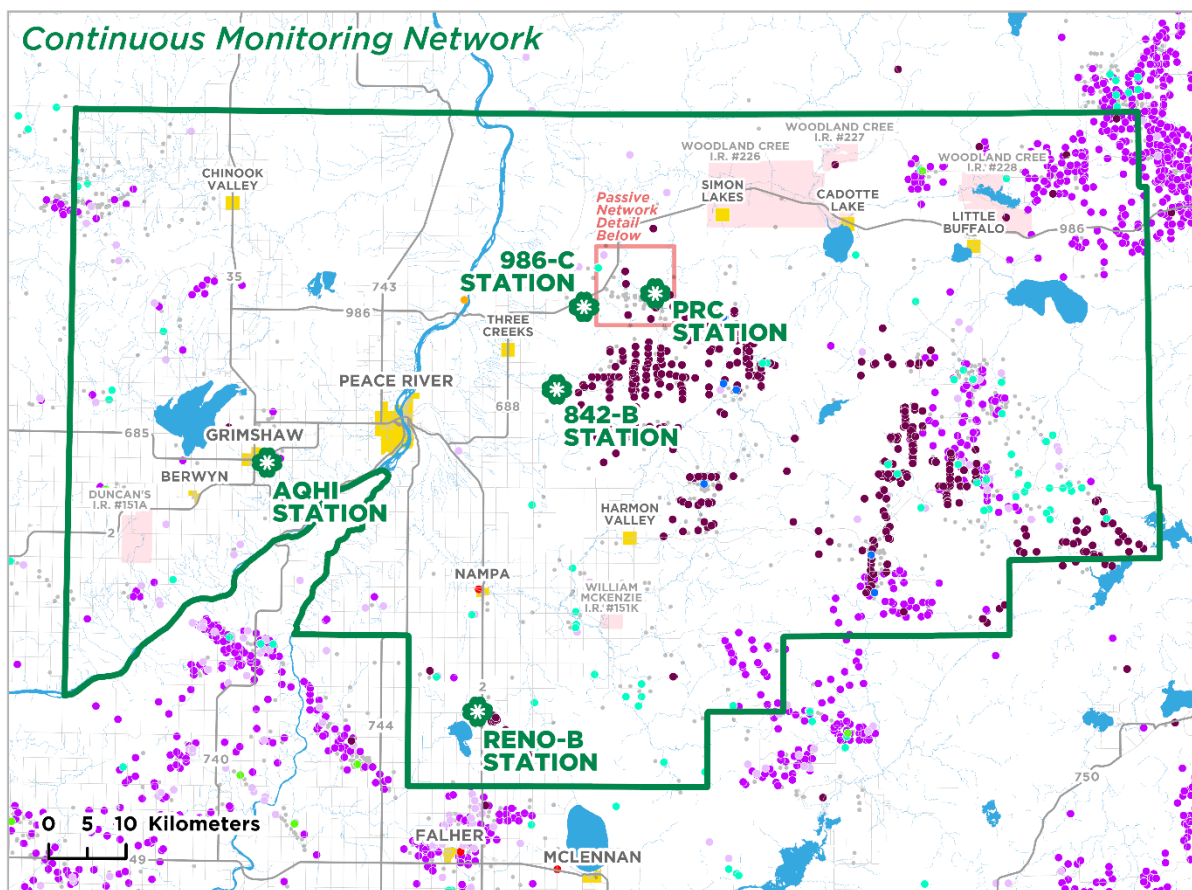
I certify that I have reviewed and verified this report and that the information is complete, accurate and representative of the monitoring results, reporting timeframe and the specified analysis, summarization and reporting requirements. I also certify that at the time of this report's submission, all air data have been electronically uploaded to Alberta ETS as required by the AMD.



Michael Bisaga, Technical Program Manager, PRAMP Airshed

July 17, 2024

Map of PRAMP Continuous Monitoring and Integrated Sampling Network



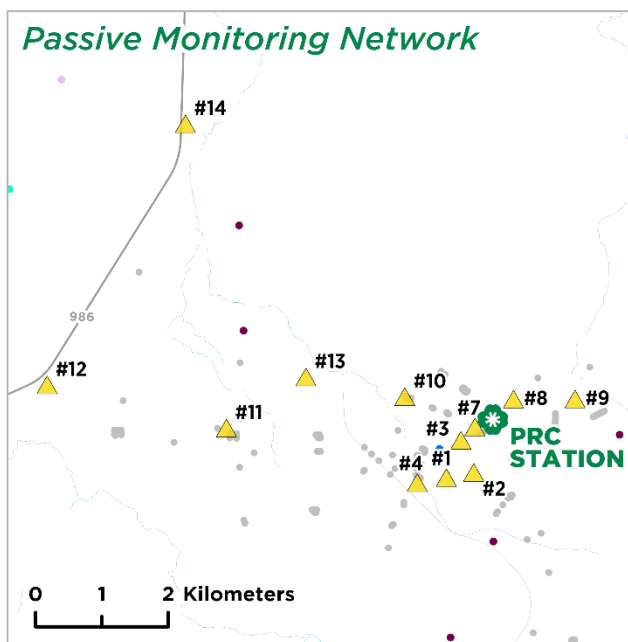
Legend

- 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 Credit: Esri, CGIAR, USGS, Esri, USGS



INTEGRATED SAMPLING RESULTS SUMMARY

- **NMHC analytical results**

No canister events were recorded this month.

- **Passive analytical results**

	H ₂ S		SO ₂	
Minimum (ppb)	0.02	#8	0.1	#2
Maximum (ppb)	0.34	#4	0.3	#3
Average (ppb)	0.08	-	0.15	-

ANALYTICAL SAMPLING RESULTS

Passives

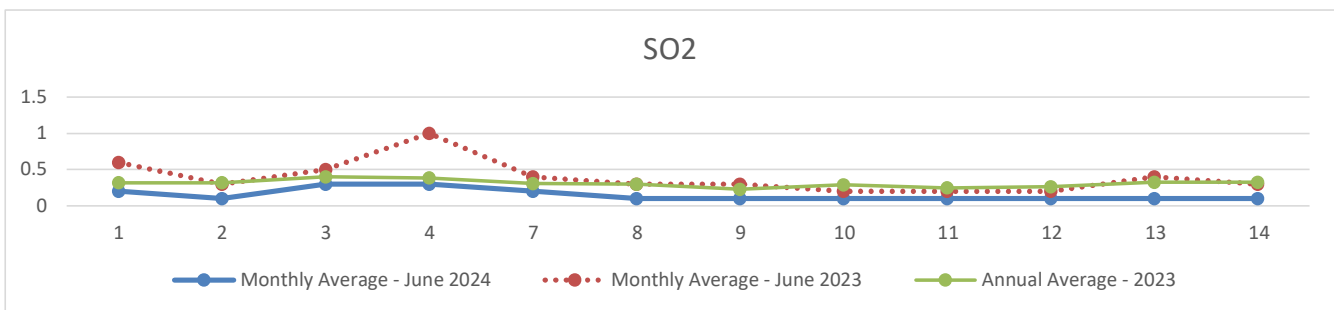
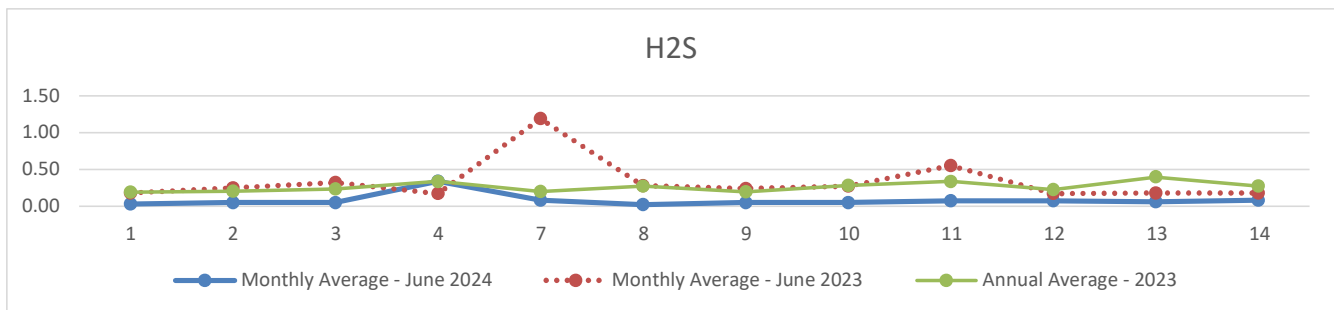


PEACE RIVER AREA MONITORING PROGRAM

PRC Site - June 2024

Passive Results

	H ₂ S		SO ₂	
Minimum (ppb)	0.02	#8	0.1	#2
Maximum (ppb)	0.34	#4	0.3	#3
Average (ppb)	0.08	-	0.15	-
No.	Calculated Value		Calculated Value	
1	0.03		0.2	
2	0.05		0.1	
3	0.05		0.3	
4	0.34		0.3	
7	0.08		0.2	
8	0.02		0.1	
9	0.05		0.1	
10	0.05		0.1	
11	0.07		0.1	
12	0.07		0.1	
13	0.06		0.1	
14	0.08		0.1	
Reportable Detection Limit (RDL)	0.02		0.1	



End of Report



Peace River Area Monitoring Program

JUNE 2024

Ambient Air Monitoring

Certified Laboratory Analysis Report

LAB-PRAMP-202406

Operation and Maintenance:

Bureau Veritas Canada

Data Validation and Report:

Peace River Area Monitoring Program

July 10, 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

Page ____ of ____

Invoice To	
Company Name	
Contact Name	
Address	
City/Postal Code	
Phone/Fax#	

Report To	
Name & Email Address	

Service Requested
☐ RUSH
(Please contact for TAT)
☐ REGULAR

Company Name
Peace River
Project Name/LSD
Peace River

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	05/31/24	8am	01/07/24	7:00		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						X	X											
Blank						X	X											
Blank		11:00				X	X											

Notes/Comments: Client 12521 / Scenario 18009

Sampled By Bo Guerin Phone/Email _____ Received By NTI Date/Time 2024/07/03 Project # _____
Date Shipped _____ Signature @08:30 PO# _____

15SO₂, 15H₂S

PTC FCD-00457/4

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Your Project #: 2024/05/31-2024/07/01
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: 2024/07/15
Report #: R3526982
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C450138

Received: 2024/07/03, 08:30

Sample Matrix: Air
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
H2S Passive Analysis	12	2024/07/04	2024/07/11	PTC SOP-00150	Passive H2S in ATM
SO2 Passive Analysis	12	2024/07/05	2024/07/11	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 Jul 2024 09:14:38

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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RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		CQP939	CQP940	CQP941	CQP942	CQP943	CQP944	CQP945		
Sampling Date		2024/05/31 08:00	2024/05/31 08:00	2024/05/31 08:00	2024/05/31 08:00	2024/05/31 08:00	2024/05/31 08:00	2024/05/31 08:00		
	UNITS	1	2	3	4	7	8	9	RDL	QC Batch

Passive Monitoring										
Calculated H2S	ppb	0.03	0.05	0.05	0.34	0.08	0.02	0.05	0.02	B425873
Calculated SO2	ppb	0.2	0.1	0.3	0.3	0.2	0.1	0.1	0.1	B427702
RDL = Reportable Detection Limit										

Bureau Veritas ID		CQP946	CQP947	CQP948	CQP949	CQP951		
Sampling Date		2024/05/31 08:00	2024/05/31 08:00	2024/05/31 08:00	2024/05/31 08:00	2024/05/31 08:00		
	UNITS	10	11	12	13	14	RDL	QC Batch

Passive Monitoring								
Calculated H2S	ppb	0.05	0.07	0.07	0.06	0.08	0.02	B425873
Calculated SO2	ppb	0.1	0.1	0.1	0.1	0.1	0.1	B427702
RDL = Reportable Detection Limit								



**BUREAU
VERITAS**

Bureau Veritas Job #: C450138
Report Date: 2024/07/15

Peace River Area Monitoring Program Committee
Client Project #: 2024/05/31-2024/07/01
Site Location: PEACE RIVER COMPLEX

GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C450138
Report Date: 2024/07/15

Peace River Area Monitoring Program Committee
Client Project #: 2024/05/31-2024/07/01
Site Location: PEACE RIVER COMPLEX

QUALITY ASSURANCE REPORT

QA/QC								
Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B425873	YYA	Spiked Blank	Calculated H2S			101	%	90 - 110
B427702	OZ	Spiked Blank	Calculated SO2			99	%	90 - 110
B427702	OZ	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

Bureau Veritas Job #: C450138
Report Date: 2024/07/15

Peace River Area Monitoring Program Committee
Client Project #: 2024/05/31-2024/07/01
Site Location: PEACE RIVER COMPLEX

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Carmen Toker, CT, Manager Air Laboratory Services

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End of Report