



Peace River Area Monitoring Program

2025

Annual Ambient Air Quality Monitoring Report

PRAMP-2025

Report Prepared By:

Peace River Area Monitoring Program

March 9, 2026

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List of Acronyms

AAAQOs	Alberta Ambient Air Quality Objectives
AEPA	Alberta Environment and Protected Areas
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
NO	Nitric Oxide
NO ₂	Nitrogen Dioxide
NO _x	Oxide of Nitrogen
O ₃	Ozone
PAC	Polycyclic Aromatic Compounds
PAHs	Polycyclic Aromatic Hydrocarbons
PM _{2.5}	Particulate Matters
ppb	parts per billion
ppm	parts per million
PRAMP	Peace River Area Monitoring Program
Precip	Precipitation
RH	Relative Humidity
SO ₂	Sulphur Dioxide
ST	Station Temperature
THC	Total Hydrocarbons
TRS	Total Reduced Sulphur
VOCs	Volatile Organic Compounds
VWD	Vector Wind Direction
VWS	Vector Wind Speed
WD	Wind Direction
WS	Wind Speed
°C	Degrees Celsius



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RE: 2025 Annual Ambient Air Quality Monitoring Report -PRAMP Airshed

Enclosed is the *2025 Annual Ambient Air Quality Monitoring Report* for the continuous ambient air quality monitoring stations of the Peace River Area Monitoring Program (PRAMP) Airshed regional air quality monitoring network, as operated in the year 2025.

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This report was prepared by Lily Lin and reviewed by Michael Bisaga of PRAMP Airshed.

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

Listing of Continuous Monitoring Stations and Integrated Sampling Stations

The PRAMP continuous ambient air quality monitoring network stations are:

- 986-C Station
- 842-B Station
- Reno (Reno-B) Station
- PRC Station
- AQHI Grimshaw 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	56.49022	-116.42739
1698	PRC	56.38257	-116.769283

Listing of Passive Sampling Stations

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
15	56.38257	-116.769283

Calibration Report and Data Submission

Hourly data and calibration reports for 2025 were submitted to Alberta's Ambient Air Data Warehouse for all stations. Data Qualifier Flags used in the monthly reports are summarized below.

Flag	Description	Instrument is operational?	Hour is valid?
P	Power failure	No	No
X	Machine malfunction / recovery	No	No
Y	Maintenance	Yes (unless otherwise noted)	No
K	Recording system failure	No	No
ND	Instrument not in service	No	No
NRM	Repeat quality assurance checks	Yes	No
C	Calibration	Yes	No
S	Daily zero/span	Yes	No
Q	Quality assurance	Yes	No

Major Operations and Maintenance Events at Continuous Monitoring Stations During 2025

All Stations:

- **TRS/H2S:** Low ambient temperatures had a marked effect on TRS/H2S span in January, February, November and December. This is a perennial problem when the moisture levels in sample air drop very low, causing TRS/H2S analyzers to respond more slowly due to the SO2 scrubber requiring a certain humidity to function optimally. Although daily span check results were often below the requirements, and the daily zero check results were occasionally close to or outside the allowable drift range, field verification checks, historical performance under similar conditions, and post-event data review indicate that the analyzer continued to operate within applicable AMD performance criteria. Accordingly, the collected data are considered valid.
- **Precipitation** (only applies to 986-C, 842-B and Reno-B Station): Due to extreme cold temperatures recorded in January to March and December, the built-in heating system of the precipitation gauge may have operated with reduced effectiveness. Data included in this report are provided for reference only and should be interpreted with caution. Precipitation monitoring is not required under the OSM monitoring program; however, it is conducted to provide useful information for nearby residents and communities, particularly for agricultural purposes.

986-C Station:

- Six exceedances of the TRS 30-minute AAAQG were recorded in 2025.
- AEPA Station audit was conducted on May 21.
- **THC/CH4/NMHC:**
 - During the 2025 annual data validation, elevated NMHC concentrations were recorded in February and March. The data were reviewed, and it was concluded that most of the elevated concentrations were due to analyzer noise. The issue worsened after the February 19 monthly calibration and improved after the March 19 monthly calibration. As a result, data collected between the two calibrations were discarded. Two hundred twenty-four hours of downtime in February, and four hundred forty-eight hours of downtime were recorded in March. Operational uptime for February and March were 66.7% and 39.8% respectively. **DINC#0023039.**
 - The H2 desiccant was replaced before the monthly calibration on April 22. However, NMHC noise was observed following the April 22 monthly calibration. The issue persisted until the May 8 monthly calibration, after which the noise was resolved. Data collected between the two calibrations were questionable and therefore discarded. Two hundred hours of downtime in April and one hundred seventy-seven hours of downtime in May were recorded due to this event. Operational uptime for April and May was 72.2% and 76.2%, respectively. **DINC#0016494.**
 - PRAMP's Thermo 55i analyzer, s/n: 1191032505, was removed and replaced by BV's Thermo 55i analyzer, s/n: 1022143392, on November 16.
- **TRS:**
 - On May 15, PRAMP's Thermo 43iQ-TL analyzer, s/n: 1191833341, was removed and replaced by BV's Thermo 43i-TLE analyzer, s/n: 1152940011.
 - The analyzer failed the shut-down calibrations due to cold temperatures/low humidity on December 10 and December 18. The SO2 scrubber material was renewed, and the analyzer was allowed to stabilize overnight. Post-repair calibrations were completed on December 11 and December 19. Data were invalidated back to the last valid calibration checks, which were

December 7 and December 15. One hundred eighty-six hours of downtime were recorded due to these two events. Operational uptime: 75.0%. **DINC# 0022842.**

- **AT/RH:** On July 24, the Rotronic HC2A-S3 sensor, s/n: 20626912, was removed for recertification. The Rotronic HC2A-S3 sensor, s/n: 20370767, was installed afterwards.
- **Station temperatures:** Unstable station temperatures were recorded between September 8 and September 13. Replacement of the station's central HVAC system was identified as the corrective action in response to the unstable shelter temperatures. Shelter temperatures stabilized with the onset of cooler ambient conditions. As all the analyzers operated within the manufacturer's specified temperature ranges, data recorded in this period were considered valid for September.

842-B Station:

- There were no exceedances of the AAAQO/AAAQGs at the 842-B Station in 2025.
- AEPA station audit was conducted on May 22.
- **TRS:** The TRS convertor CD Nova, CDN #552, was replaced with CDN #590, on December 3. One hour of downtime was recorded.

Reno (Reno-B) Station:

- Three exceedances of the TRS 30-minute AAAQG were recorded in 2025.
- AEPA station audit was conducted on May 23.
- **THC/CH4/NMHC:**
 - Methane drift was recorded on May 25. The analyzer failed the May 29 as-found points check. Although the analyzer passed the daily zero-span checks between May 25 and May 29, the span check results showed signs of drift. During this period, numerous methane readings were recorded below the 1.8 ppm background concentration, indicating that the analyzer's drift had impacted data quality. As a result, data collected from May 25 to May 29 were invalidated. Excluding other events that contributed to downtime, including the Thermo 55i analyzer, s/n: 1193585652, was removed and replaced by the Thermo 55i analyzer, s/n: 1501663728, on May 13, the operational uptime was 81.5%. **DINC#0017068.**
 - CH4 concentrations were observed trending low on August 17. The Thermo 55i analyzer, s/n: 1501663728, was removed and replaced by the Thermo 55i analyzer, s/n: 1193585652, on August 20 due to injection issues. A valid shut-down calibration could not be achieved. A successful installation calibration was completed on August 21. Data were invalidated back to the last valid calibration check point, which was August 16 at hour 18. The NMHC channel exhibited noise after the Thermo 55i analyzer, s/n: 1193585652, was installed on August 21. The analyzer was removed and replaced by the Thermo 55i analyzer, s/n: 1505664392, on August 29. A valid shut-down calibration could not be achieved. A successful calibration was completed on August 30. Data were invalidated back to the time the 1193585652 analyzer was installed. Excluding other events that contributed to downtime, three hundred fifty-two hours of downtime were recorded in August. Operational uptime was 52.7%. **DINC0020281**
 - Due to injection issues, the Thermo 55i analyzer, s/n: 1505664392, was removed and was replaced by the Thermo 55i analyzer, s/n: 1501663728, on October 27. Shut-down calibration was not possible due to frequent bad injections. A successful installation calibration was completed on October 28.
- **TRS:**

- The analyzer failed due to the TRS convertor failure on August 6. The CD Nova CDN-101 convertor, s/n: 590, was replaced by the CD Nova CDN-101, s/n: 478, on August 7. A post-repair calibration was completed on August 8.
- The analyzer failed the shut-down calibrations due to cold temperatures/low humidity on December 9. The SO₂ scrubber material was renewed, and the TRS convertor CD Nova, CDN #478, was replaced with CDN #583. Post-repair calibration was completed on December 10. Data were invalidated back to the last valid calibration check, which was December 5. One hundred and eight hours of downtime were recorded due to this event. Operational uptime: 85.1%. **DINC#0022843.**
- **Gas analyzers:** The software of the Ultimate datalogger was upgraded on February 12. After the service, the configuration for the daily zero-span program was affected. The scheduled zero-span checks for the TRS and HC analyzers on February 12 were missing due to a configuration error. The problem was corrected on February 13. A manual zero-span check for the SO₂ and TRS analyzers was initiated on February 13 at hour 21. **DINC#0014931**
- **VWS/VWD:** Both the wind speed and wind direction parameters did not meet the 90% operational uptime requirement in January (89.7%). A total of 77 hours of downtime was recorded; 5 hours of downtime were contributed by a power outage; 22 hours were due to a frozen sensor; and 50 hours were caused by a power supply issue. **DIN#C0014273.**
- **AT/RH:** On July 22, the Rotronic HC2A-S3 sensor, s/n: 20467597, was removed for recertification. The Rotronic HC2A-S3 sensor, s/n: 20357528, was installed afterwards.

PRC Station:

- One exceedance of the H₂S 1-hour AAAQO and three exceedances of the 30-minute AAAQG were recorded in 2025.
- AEPA station audit was conducted on May 22.
- **TRS:**
 - CNRL's Thermo 450i analyzer, s/n: 1034746224, was removed and replaced by BV's Thermo 43i-TLE analyzer, s/n: 1162460022, on March 18. A successful installation calibration was completed on March 19.
 - The analyzer failed the daily span check on April 6 and April 7 due to unstable permeation oven temperatures, which was caused by higher station temperatures. Data quality was not compromised by this issue since it only affected the daily zero-span check results. A successful monthly calibration was completed on April 9, which confirmed the analyzer's functionality. No data were discarded.
 - BV-supplied Thermo 43i-TLE analyzer, s/n: 1162460022, was removed for repair due to high lamp voltages on December 4. CNRL's Thermo 450i analyzer, s/n: 1034746224, was installed. The analyzer was allowed to stabilize overnight. A successful installation calibration was completed on December 5. Twenty-six hours of downtime were recorded.
- **H₂S:**
 - BV's Teledyne T101 analyzer, s/n: 1014, was removed and replaced by CNRL's recently repaired Thermo 450i analyzer, s/n: 1308857354, on March 12. The Thermo 450i analyzer had been removed for repair due to unstable lamp voltages on December 10, 2024. The analyzer failed March 16's daily span check due to unstable UV lamp voltages. Although the analyzer passed March 18's as-found point check, it stopped functioning during the

examination period. The problem was traced to degraded mirrors. CNRL's Thermo 450i analyzer, s/n: 1308857354, was removed and replaced by the Thermo 450i analyzer, s/n: 1034746224, on March 18. With additional downtime caused by other minor events, the total downtime recorded in March was one hundred eighteen hours. The operational uptime was 84.0%. **DINC#0015367.**

- The analyzer failed April 7 and April 8 daily zero-span check and April 9's as-found points check. No obvious cause could be identified. The analyzer was calibrated on April 9 to correct the drift. Data were invalidated back to the last valid calibration check, which was April 7.
- On May 1, CNRL's Thermo 450i analyzer, s/n: 1034746224, was removed and replaced by BV's Teledyne T100 analyzer, s/n: 1014.
- The analyzer failed the daily span check on November 24 due to permeation tube depletion. The permeation tube was replaced on December 2 after the as-found points check. This issue only affected the zero-span system, not the analyzer itself, and data quality was not impacted.
- **THC/CH4/NMHC:** CNRL's Thermo 55i analyzer, s/n: 1034745845, was removed for repair due to injection issues on December 2. PRAMP's Thermo 55i analyzer, s/n: 1191032505, was installed. The analyzer was allowed to stabilize overnight. A successful installation calibration was completed on December 3. Following analyzer installation, the analyzer began recording elevated NMHC concentrations. The analyzer was replaced on January 9, 2026. It was determined that data collected between December 3, 2025 and January 9, 2026 were more likely analyzer noise and therefore were invalidated. Seven hundred and five hours of downtime in December 2025 were recorded. Operational uptime: 5.2%. **DINC#0022845.**

AQHI - Grimshaw Station:

- One hundred twenty-six of the 1-hour PM_{2.5} AAAQG exceedances and sixteen exceedances of the PM_{2.5} 24-hour AAAQO were recorded in 2025. Ten exceedances of the TRS 30-minute AAAQG were recorded in 2025.
- AEPA station audit was conducted on May 21.
- **NOx/NO/NO2:**
 - The Teledyne T200 analyzer, s/n: 837, could not achieve stability during the as-found points check on February 11. Although the calibration was allowed to continue, the validity of the calibration is questionable. A repeat multi-point calibration was completed using different calibration equipment on February 26, and the calibration was completed without issues. The permeation oven temperature was reduced on February 26, and the expected span value was updated on February 28. Based on February 26's calibration results, it was suspected that there might be issues with the calibration system used to calibrate the analyzer on January 21, 22, 24, 29, 30 and February 11. Data collected between January 21 and February 26 were considered invalid and were discarded. Due to this event, the January data were revised. A total of 261 hours and 608 hours of downtime were recorded in January and February, respectively. Operational uptime for January and February was 64.9% and 9.5%, respectively. **DINC#0014930.**

- The Teledyne T200 analyzer, s/n: 837, was removed following a successful shut-down calibration on July 15. The Thermo 42iQ analyzer, s/n: 12409233392, was installed and calibrated on July 16.
- **TRS:**
 - The Thermo 43iQ-TL analyzer, s/n: 12409233394, failed on July 9. The replacement Teledyne T100U analyzer, s/n: 132, was installed and calibrated on July 10.
 - The Teledyne T100U analyzer, s/n: 132 was removed following a successful shut-down calibration. The Thermo 43iQ-TL analyzer, s/n: 12409233394, was installed afterwards.
- **THC/CH4/NMHC:** PRAMP Thermo 55i analyzer, s/n: 12101910497, displayed a low alarm warning on November 10 and was subsequently removed for repair after a successful shut-down calibration. A replacement unit, PRAMP Thermo 55i analyzer, s/n: 1193585652, was installed the same day. The analyzer was allowed to stabilize overnight. A successful installation calibration was completed on November 11. Data were invalidated back to the last valid zero-span check confirming analyzer functionality, which was November 10 at hour 00. Thirty-seven hours of downtime were recorded due to this event.
- **Gas channels:** With the exception of ozone and PM2.5, the analyzers operated outside the manufacturer's specified temperature ranges on some dates due to high shelter temperatures. One-minute data were reviewed and discarded if the analyzers were operating outside the acceptable ranges. Hourly data were then recalculated using the revised one-minute dataset. Between six and eleven hours of downtime were recorded due to this issue.
- **Station temperatures:** Unstable station temperatures were recorded at the beginning of September. Shelter temperatures stabilized with the onset of cooler ambient conditions. Replacement of the station's central HVAC system was identified as the corrective action in response to the unstable shelter temperatures. As all the analyzers operated within the manufacturer's specified temperature ranges, data recorded in this period were considered valid in September.

Exceedances of the Alberta Ambient Air Quality Objectives (AAAQOs) and Alberta Ambient Air Quality Guidelines (AAAQGs) During 2025

- A total of 126 exceedances of the 1-hour PM_{2.5} AAAQG were recorded at the AQHI-Grimshaw station in 2025. The 2025 bulk reporting protocol was in effect from April through October. During this time, exceedances of the 1-hour PM_{2.5} AAAQG did not require direct reporting to Alberta EDGE, as submission of real-time data satisfied the reporting obligation.

Date	Time (MST)	Parameter	Average Period	Concentration (µg/m ³)	Wind speed (km/hr)	Wind Direction	Reference #
08-Feb	9	PM2.5	1-Hour	130	1.7	205°(SSW)	438339
08-Feb	10	PM2.5	1-Hour	101	0.8	216° (SW)	438339
30-Mar	23	PM2.5	1-Hour	166	4.3	3°(N)	439109
02-Jun	21	PM2.5	1-Hour	156	5.2	54°(NE)	n/a
02-Jun	22	PM2.5	1-Hour	141	2.5	51°(NE)	n/a
02-Jun	23	PM2.5	1-Hour	151	3.8	331°(NNW)	n/a
03-Jun	0	PM2.5	1-Hour	145	4.2	331°(NNW)	n/a
03-Jun	1	PM2.5	1-Hour	135	5.3	322°(NW)	n/a
03-Jun	2	PM2.5	1-Hour	86	6.1	331°(NNW)	n/a
03-Jun	4	PM2.5	1-Hour	97	4.7	338°(NNW)	n/a
03-Jun	5	PM2.5	1-Hour	126	5.9	354°(N)	n/a
03-Jun	6	PM2.5	1-Hour	134	8	358°(N)	n/a
03-Jun	7	PM2.5	1-Hour	131	7.4	359°(N)	n/a
03-Jun	8	PM2.5	1-Hour	137	6.2	11°(NNE)	n/a
03-Jun	9	PM2.5	1-Hour	213	5.1	349°(NNW)	n/a
03-Jun	10	PM2.5	1-Hour	203	2.8	314°(NW)	n/a
03-Jun	11	PM2.5	1-Hour	176	6.7	290°(WNW)	n/a
03-Jun	12	PM2.5	1-Hour	131	9.5	280°(W)	n/a
03-Jun	13	PM2.5	1-Hour	87	11	290°(WNW)	n/a
04-Jun	0	PM2.5	1-Hour	85	5	254°(WSW)	n/a
04-Jun	1	PM2.5	1-Hour	102	5.6	243°(WSW)	n/a
04-Jun	2	PM2.5	1-Hour	92	3.6	253°(WSW)	n/a
04-Jun	4	PM2.5	1-Hour	82	1.3	30°(NNE)	n/a
04-Jun	5	PM2.5	1-Hour	84	1.4	147°(SE)	n/a
05-Jun	6	PM2.5	1-Hour	172	9.8	220°(SW)	n/a
05-Jun	7	PM2.5	1-Hour	138	13.4	220°(SW)	n/a
07-Jun	3	PM2.5	1-Hour	92	9.8	329°(NNW)	n/a
07-Jun	4	PM2.5	1-Hour	110	7	295°(WNW)	n/a
07-Jun	5	PM2.5	1-Hour	86	8.5	286°(WNW)	n/a
07-Jun	6	PM2.5	1-Hour	93	10.8	291°(WNW)	n/a
07-Jun	7	PM2.5	1-Hour	93	13.2	308°(NW)	n/a
08-Jun	8	PM2.5	1-Hour	85	12.4	200°(SSW)	n/a
08-Jun	9	PM2.5	1-Hour	110	11.3	190°(S)	n/a
08-Jun	10	PM2.5	1-Hour	99	15.1	209°(SSW)	n/a
08-Jun	14	PM2.5	1-Hour	88	24.8	240°(WSW)	n/a
08-Jun	15	PM2.5	1-Hour	93	25.3	237°(SW)	n/a
09-Jun	1	PM2.5	1-Hour	216	9.9	328°(NNW)	n/a
09-Jun	2	PM2.5	1-Hour	211	9.7	318°(NW)	n/a
09-Jun	3	PM2.5	1-Hour	158	7.4	306°(NW)	n/a

Date	Time (MST)	Parameter	Average Period	Concentration (µg/m3)	Wind speed (km/hr)	Wind Direction	Reference #
09-Jun	4	PM2.5	1-Hour	119	10.4	319°(NW)	n/a
09-Jun	17	PM2.5	1-Hour	102	14.1	328°(NNW)	n/a
09-Jun	18	PM2.5	1-Hour	88	11.5	321°(NW)	n/a
09-Jun	19	PM2.5	1-Hour	145	7.3	333°(NNW)	n/a
09-Jun	20	PM2.5	1-Hour	160	4.2	339°(NNW)	n/a
09-Jun	21	PM2.5	1-Hour	155	4.9	346°(NNW)	n/a
09-Jun	22	PM2.5	1-Hour	148	4.1	334°(NNW)	n/a
09-Jun	23	PM2.5	1-Hour	172	5	326°(NW)	n/a
10-Jun	0	PM2.5	1-Hour	166	6.3	303°(WNW)	n/a
10-Jun	1	PM2.5	1-Hour	173	7	302°(WNW)	n/a
10-Jun	2	PM2.5	1-Hour	181	6.9	302°(WNW)	n/a
10-Jun	3	PM2.5	1-Hour	185	9.4	313°(NW)	n/a
10-Jun	4	PM2.5	1-Hour	211	9.7	311°(NW)	n/a
10-Jun	5	PM2.5	1-Hour	288	10.4	317°(NW)	n/a
10-Jun	6	PM2.5	1-Hour	326	9.8	316°(NW)	n/a
10-Jun	7	PM2.5	1-Hour	249	11.2	315°(NW)	n/a
10-Jun	8	PM2.5	1-Hour	173	9	314°(NW)	n/a
12-Jun	1	PM2.5	1-Hour	95	9.6	53°(NE)	n/a
12-Jun	2	PM2.5	1-Hour	118	9.2	52°(NE)	n/a
12-Jun	3	PM2.5	1-Hour	116	11	53°(NE)	n/a
12-Jun	4	PM2.5	1-Hour	86	11.1	53°(NE)	n/a
13-Jun	4	PM2.5	1-Hour	99	10.9	59°(ENE)	n/a
13-Jun	5	PM2.5	1-Hour	116	12.4	55°(NE)	n/a
13-Jun	6	PM2.5	1-Hour	133	13.6	54°(NE)	n/a
13-Jun	7	PM2.5	1-Hour	129	13.5	53°(NE)	n/a
13-Jun	8	PM2.5	1-Hour	110	14.7	55°(NE)	n/a
13-Jun	9	PM2.5	1-Hour	99	14.5	59°(ENE)	n/a
13-Jun	10	PM2.5	1-Hour	84	13.5	56°(NE)	n/a
31-Aug	1	PM2.5	1-Hour	183	15.7	355°(N)	n/a
31-Aug	2	PM2.5	1-Hour	446	12.9	4°(N)	n/a
31-Aug	3	PM2.5	1-Hour	615	13	2°(N)	n/a
31-Aug	4	PM2.5	1-Hour	568	11.3	360°(N)	n/a
31-Aug	5	PM2.5	1-Hour	516	12.5	356°(N)	n/a
31-Aug	6	PM2.5	1-Hour	495	12.3	9°(N)	n/a
31-Aug	7	PM2.5	1-Hour	452	8.4	15°(NNE)	n/a
31-Aug	8	PM2.5	1-Hour	423	6.3	19°(NNE)	n/a
31-Aug	9	PM2.5	1-Hour	342	5.1	42°(NE)	n/a
31-Aug	10	PM2.5	1-Hour	222	7.1	73°(ENE)	n/a
31-Aug	11	PM2.5	1-Hour	215	3.3	94°(E)	n/a
31-Aug	12	PM2.5	1-Hour	239	1.8	111°(ESE)	n/a
31-Aug	13	PM2.5	1-Hour	253	1.7	109°(ESE)	n/a
31-Aug	14	PM2.5	1-Hour	261	3.3	133°(SE)	n/a
31-Aug	15	PM2.5	1-Hour	275	4.9	117°(ESE)	n/a
31-Aug	16	PM2.5	1-Hour	284	5.6	122°(ESE)	n/a
31-Aug	17	PM2.5	1-Hour	280	3.6	114°(ESE)	n/a
31-Aug	18	PM2.5	1-Hour	277	4.6	77°(ENE)	n/a
31-Aug	19	PM2.5	1-Hour	272	3.8	40°(NE)	n/a

Date	Time (MST)	Parameter	Average Period	Concentration (µg/m3)	Wind speed (km/hr)	Wind Direction	Reference #
31-Aug	20	PM2.5	1-Hour	267	3.8	46°(NE)	n/a
31-Aug	21	PM2.5	1-Hour	252	4.9	44°(NE)	n/a
31-Aug	22	PM2.5	1-Hour	177	4	44°(NE)	n/a
31-Aug	23	PM2.5	1-Hour	135	4.8	17°(NNE)	n/a
01-Sep	0	PM2.5	1-Hour	114	11.2	12°(NNE)	n/a
01-Sep	1	PM2.5	1-Hour	122	5.5	17°(NNE)	n/a
01-Sep	2	PM2.5	1-Hour	120	6.8	15°(NNE)	n/a
01-Sep	3	PM2.5	1-Hour	128	6	10°(N)	n/a
01-Sep	4	PM2.5	1-Hour	183	8.7	16°(NNE)	n/a
01-Sep	5	PM2.5	1-Hour	158	10.3	23°(NNE)	n/a
01-Sep	6	PM2.5	1-Hour	151	7.9	18°(NNE)	n/a
01-Sep	7	PM2.5	1-Hour	143	7.9	23°(NNE)	n/a
01-Sep	8	PM2.5	1-Hour	131	10.3	13°(NNE)	n/a
01-Sep	9	PM2.5	1-Hour	123	11.2	16°(NNE)	n/a
01-Sep	10	PM2.5	1-Hour	127	11.5	15°(NNE)	n/a
01-Sep	11	PM2.5	1-Hour	88	9.2	12°(NNE)	n/a
01-Sep	12	PM2.5	1-Hour	88	7.8	32°(NNE)	n/a
02-Sep	0	PM2.5	1-Hour	92	4.6	182°(S)	n/a
02-Sep	1	PM2.5	1-Hour	102	2.9	73°(ENE)	n/a
02-Sep	2	PM2.5	1-Hour	114	3.5	46°(NE)	n/a
02-Sep	3	PM2.5	1-Hour	116	4.5	38°(NE)	n/a
02-Sep	4	PM2.5	1-Hour	112	3.9	37°(NE)	n/a
02-Sep	5	PM2.5	1-Hour	111	4.3	25°(NNE)	n/a
02-Sep	6	PM2.5	1-Hour	111	3.3	18°(NNE)	n/a
02-Sep	7	PM2.5	1-Hour	108	4.8	19°(NNE)	n/a
02-Sep	8	PM2.5	1-Hour	103	2.9	56°(NE)	n/a
02-Sep	9	PM2.5	1-Hour	85	4.6	82°(E)	n/a
02-Sep	11	PM2.5	1-Hour	82	5.4	182°(S)	n/a
02-Sep	12	PM2.5	1-Hour	90	4.2	176°(S)	n/a
02-Sep	13	PM2.5	1-Hour	91	3.9	175°(S)	n/a
02-Sep	14	PM2.5	1-Hour	90	7	181°(S)	n/a
02-Sep	15	PM2.5	1-Hour	107	7.8	192°(S)	n/a
02-Sep	16	PM2.5	1-Hour	113	7.6	184°(S)	n/a
02-Sep	17	PM2.5	1-Hour	110	10	188°(S)	n/a
02-Sep	18	PM2.5	1-Hour	102	8.2	196°(SSW)	n/a
02-Sep	19	PM2.5	1-Hour	103	4.6	165°(SSE)	n/a
02-Sep	20	PM2.5	1-Hour	111	2.5	102°(E)	n/a
02-Sep	21	PM2.5	1-Hour	96	1.9	76°(ENE)	n/a
20-Nov	4	PM2.5	1-Hour	84	4.2	352°(N)	447882
20-Nov	5	PM2.5	1-Hour	149	4.1	18°(NNE)	447883

- A total of 16 exceedances of the 24-hour PM_{2.5} AAAQO were recorded at the AQHI-Grimshaw station in 2025. For 24-hour PM_{2.5} AAAQO exceedances, a monthly exceedance summary was submitted for each monitoring station, and Alberta EDGE assigned a unique reference number per station covering all exceedances for that calendar month.

Date	Time (MST)	Parameter	Average Period	Concentration (µg/m3)	Wind speed (km/hr)	Wind Direction	Reference #
03-Jun	-	PM2.5	24-Hour	98.3	7.6	307°(NW)	DINC0018251
04-Jun	-	PM2.5	24-Hour	49.6	5.7	192°(S)	DINC0018251
07-Jun	-	PM2.5	24-Hour	32.0	11.1	321°(NW)	DINC0018251
08-Jun	-	PM2.5	24-Hour	38.2	14.1	235°(SW)	DINC0018251
09-Jun	-	PM2.5	24-Hour	101.6	9.5	330°(NNW)	DINC0018251
10-Jun	-	PM2.5	24-Hour	104.6	9.1	330°(NNW)	DINC0018251
12-Jun	-	PM2.5	24-Hour	42.1	13.1	76°(ENE)	DINC0018251
13-Jun	-	PM2.5	24-Hour	56.8	12.6	52°(NE)	DINC0018251
31-Aug	-	PM2.5	24-Hour	312.8	7	48°(NE)	445311
01-Sep	-	PM2.5	24-Hour	97.9	7.5	33°(NNE)	446023
02-Sep	-	PM2.5	24-Hour	98.4	4.9	126°(SE)	446023
03-Sep	-	PM2.5	24-Hour	56.8	9.9	345°(NNW)	446023
07-Sep	-	PM2.5	24-Hour	40.7	7.5	19°(NNE)	446023
08-Sep	-	PM2.5	24-Hour	43.0	5.8	83°(E)	446023
12-Sep	-	PM2.5	24-Hour	44.1	7.3	230°(SW)	446023
14-Sep	-	PM2.5	24-Hour	31.5	4	18°(NNE)	446023

- A total of 1 exceedance of the 1-hour H₂S AAAQO was recorded at the PRC Station in 2025.

Date	Time (MST)	Parameter	Average Period	Concentration (ppb)	Wind speed (km/hr)	Wind Direction	Reference #
21-Apr	4	H2S	1-Hour	16	3.1	199° (SSW)	439803

- A total of 22 exceedances of the 30-minute TRS AAAQG were recorded in 2025. The 30-minute TRS exceedances were reported via automated email alerts in accordance with the *Protocol for Electronic Reporting of Values Above the Total Reduced Sulphur (TRS) Guideline* (Alberta Environment and Protected Areas, 2024). These alerts satisfy the immediate reporting requirements outlined in the Air Monitoring Directive; however, because exceedances reported through this protocol are not submitted through typical EDGE reporting procedures, no EDGE reference numbers were generated.

Date	Time (MST)	Station	Parameter	Average Period	Concentration (ppb)	Wind speed (km/hr)	Wind Direction	Reference #
21-Apr	4:00	PRC	TRS	30-Min	10	2.9	207° (SSW)	n/a
21-Apr	4:30	PRC	TRS	30-Min	20	3.4	192° (S)	n/a
17-Apr	7:00	Grimshaw	TRS	30-Min	9.50	5.7	88° (E)	n/a
20-Apr	8:30	Grimshaw	TRS	30-Min	6.66	5	92° (E)	n/a
20-Apr	21:30	Grimshaw	TRS	30-Min	9.03	4.6	4° (N)	n/a
21-Apr	22:30	Grimshaw	TRS	30-Min	11.06	3.4	139° (SE)	n/a
21-Apr	23:00	Grimshaw	TRS	30-Min	6.26	2.9	167° (SSE)	n/a
25-Apr	3:30	Grimshaw	TRS	30-Min	5.91	2.1	138° (SE)	n/a

Date	Time (MST)	Station	Parameter	Average Period	Concentration (ppb)	Wind speed (km/hr)	Wind Direction	Reference #
25-Apr	4:00	Grimshaw	TRS	30-Min	5.67	1.6	138° (SE)	n/a
31-Jul	2:00	Reno-B	TRS	30-Min	5.69	13.1	120°(ESE)	n/a
31-Jul	2:30	Reno-B	TRS	30-Min	6.97	13.3	120°(ESE)	n/a
19-Jul	5:00	PRC	TRS	30-Min	7	4.3	80°(E)	n/a
22-Aug	5:30	Reno-B	TRS	30-Min	5.76	6.6	174°(S)	n/a
25-Sep	5:00	Grimshaw	TRS	30-Min	10.21	0.6	78°(ENE)	n/a
25-Sep	5:30	Grimshaw	TRS	30-Min	6.65	0.8	359°(N)	n/a
30-Sep	18:30	Grimshaw	TRS	30-Min	6.96	2.4	94°(E)	n/a
01-Oct	19:00	986-C	TRS	30-Min	8.77	3.3	157°(SSE)	n/a
01-Oct	19:30	986-C	TRS	30-Min	6.47	3.4	176°(S)	n/a
01-Oct	20:00	986-C	TRS	30-Min	6.09	1.3	188°(S)	n/a
01-Oct	20:30	986-C	TRS	30-Min	6.19	3.7	178°(S)	n/a
01-Oct	21:00	986-C	TRS	30-Min	9.41	4.7	120°(ESE)	n/a
01-Oct	23:00	986-C	TRS	30-Min	7.37	2.1	167°(SSE)	n/a

Passive Monitoring Summary

13 multi-parameter passive stations were used around the PRC facility. These stations monitored both SO₂ and H₂S. Passive samples, including blanks, were handled and deployed in accordance with the AMD.

Analyses of the passive samples were performed by Bureau Veritas Canada. The full results of these analysis were submitted to Alberta's Ambient Air Data Warehouse in accordance with the AMD.

SO2 (ppb) 30-Day Objective: 11 ppb	
Month	# Stations of Exceedance
January	0
February	0
March	0
April	0
May	0
June	0
July	0
August	0
September	0
October	0
November	0
December	0
Total	0
SO2 (ppb) Annual Objective: 8.0 ppb	
Year	AAAQO Exceedance
2025	0

NMHC Canister Events

A multi-year integrated sampling program continued operating at 986-C station, 842-B station, Reno station and Reno-B station; this program collects air samples using Silco/Summa Canisters which are analyzed in a laboratory for VOCs and reduced sulphur compounds. In 2025, the program collected a 1-hour sample of air in a canister when the continuously measured non-methane hydrocarbon (NMHC) concentration reached a specified trigger point. The trigger point was 0.3 ppm. The trigger point was based on real-time monitoring data that were averaged over a 5-minute period. Analysis of these samples was performed by InnoTech Alberta. Analytical results were included in the monthly integrated sampling reports following the month of sample collection.

A total of 2 valid non-methane canister samples were collected in 2025.

Station	Date	Time of Concentration Reached Trigger Point	NMHC 5-minute Concentration (ppm)	Time of Canister Triggered
842-B	03-Sept	7:45am	1.76	7:50am
Reno-B	23-Oct	4:00am	0.32	4:05am

Notification of Changes Made After Monthly Report Issuance

- AQHI-Grimshaw Station NOx/NO/NO2 data collected in January 2025 were reviewed and revised based on the findings identified during the February equipment check. The analyzer could not achieve stability during the as-found points check on February 11. Based on February 26's repeat calibration results, it was suspected that there might be issues with the calibration system used to calibrate the analyzer on January 21, 22, 24, 29, 30 and February 11. Data collected between January 21 and February 26 were considered invalid and therefore discarded. The January data were revised as a result. The revised NOx/NO/NO2 data file, named **AMB-PRAMP-202501-01689-VVC35 VVC37 VVC 39-R1**, was submitted to ETS on March 28. **ETS #: 4786242**. The revised January 2025 monthly report, named **PRAMP-202501-Amended**, was submitted to ETS on March 28, 2025. **ETS # 4786246**.
- 986-C Station THC/CH4/NMHC data collected in February and March 2025 were reviewed and revised during the 2025 data validation. Elevated NMHC concentrations were recorded in February and March. The data were reviewed, and it was concluded that most of the elevated concentrations were due to analyzer noise. The issue worsened after the February 19 monthly calibration and improved after the March 19 monthly calibration. As a result, data collected between the two calibrations were discarded. Two hundred twenty-four hours of downtime in February, and four hundred forty-eight hours of downtime were recorded in March. Operational uptime for February and March were 66.7% and 39.8% respectively. **DINC#0023039**. The revised THC/CH4/NMHC data file, named **AMB-PRAMP-202502-R1** and **AMB-PRAMP-202503-R1**, were submitted to ETS on January 22, 2026. **ETS #: 4891153**.
- 842-B Station THC/CH4/NMHC data collected in July were reviewed and revised during the 2025 data validation. CH4 hourly data collected on July 5 hour 6 was revised; from 2.19 ppm to 2.09ppm. Due to a polling error, the data were not retrieved from the station. Instead, data were manually entered using the dataset provided by Bureau Veritas field operator. A typo was made during data entry. The revised THC/CH4/NMHC data file, named **AMB-PRAMP-202507-R1**, was submitted to ETS on January 22, 2026. **ETS #: 4890892**.

Deviations from Authorized Monitoring Methods

- Reno-B station: Following the February 12 upgrade of the Ultimate datalogger software, the configuration of the daily zero-span program was affected; the scheduled zero-span checks for the TRS and HC analyzers on February 12 were missed as a result. The problem was corrected on February 13. **DINC#0014931**.

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 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.



Michael Bisaga, Technical Program Manager, PRAMP Airshed

March 27, 2026

1.0 Continuous Monitoring Statistics and Data Qualifier Flag Summaries - 2025

1.1 986-C Station

1.1.1 Parameters Monitoring Summary

	SO2	TRS	THC	CH4	NMHC	RH	BP	AT	PRECIP
	ppb	ppb	ppm	ppm	ppm	%RH	mb	°C	mm
Minimum	0	0.00	1.88	1.88	0.00	12	917	-39.4	0.0
Min Date	2025-01-01 00:00	2025-02-23 16:00	2025-02-06 23:00	2025-02-06 23:00	2025-01-01 00:00	2025-05-01 19:00	2025-02-23 02:00	2025-02-03 08:00	2025-01-01 00:00
Maximum	4	7.66	2.66	2.64	0.10	100	968	32.3	8.0
Max Date	2025-02-05 10:00	2025-10-01 19:00	2025-02-03 08:00	2025-02-03 08:00	2025-08-31 06:00	2025-01-09 07:00	2025-01-17 22:00	2025-07-31 15:00	2025-08-01 17:00
Average	0.1	0.49	2.03	2.03	0.00	67.6	941	2.8	124.4*
# of Reading	8176	7997	7143	7143	7143	8667	8667	8667	8670
Valid Data [%]	93.3	91.3	81.5	81.5	81.5	98.9	98.9	98.9	99.0
Operational Uptime [%]	98.3	96.3	85.9	85.9	85.9	98.9	98.9	98.9	99.0
	VWS	VWD							
	KPH	Deg							
Minimum	0.0	0							
Min Date	2025-01-02 01:00	2025-01-05 00:00							
Maximum	32.9	360							
Max Date	2025-11-10 06:00	2025-02-11 02:00							
Average	2.9	210							
# of Reading	8667	8667							
Valid Data [%]	98.9	98.9							
Operational Uptime [%]	99.0	99.0							

* Total amounts were presented on the table

1.1.2 Monitoring Parameters – Continuous Data Summary and Frequency Distribution

986-C STATION
SULPHUR DIOXIDE (SO₂) in parts per billion (ppb)

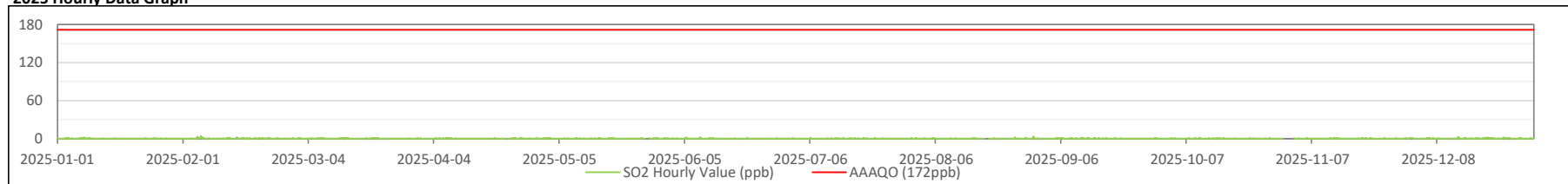
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	# of AAAQO Exceedances				Percentage Readings in Concentration Range				
							1-hour	24-hour	30-day	Annual	0 - 10	11 - 50	51 - 100	101 - 172	>172
January	100.0	708	0	2	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	639	0	4	2	0.2	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
March	99.9	705	0	1	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
April	98.5	673	0	1	0	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
May	97.2	683	0	1	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
June	100.0	683	0	2	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	708	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
August	96.6	682	0	3	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
September	99.7	681	0	1	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
October	94.6	669	0	1	0	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
November	93.5	638	0	1	0	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
December	100.0	707	0	2	1	0.2	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	98.3	8176	0	4	2	0.1	0	0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%

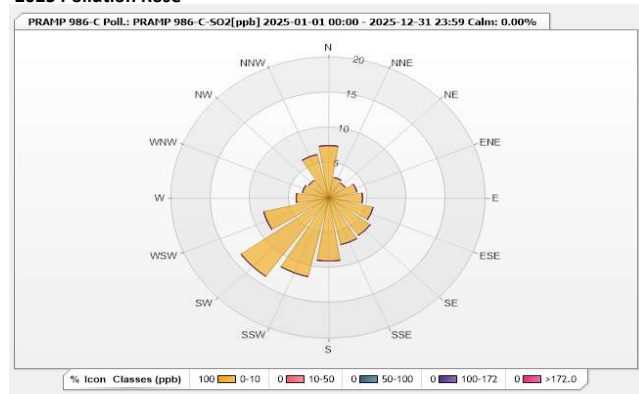
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
89	0	1	56	0	1	60	374	3
Total Hours of Downtime		147	Total Hours of Calibration		437	Total Hours of Flagged		584

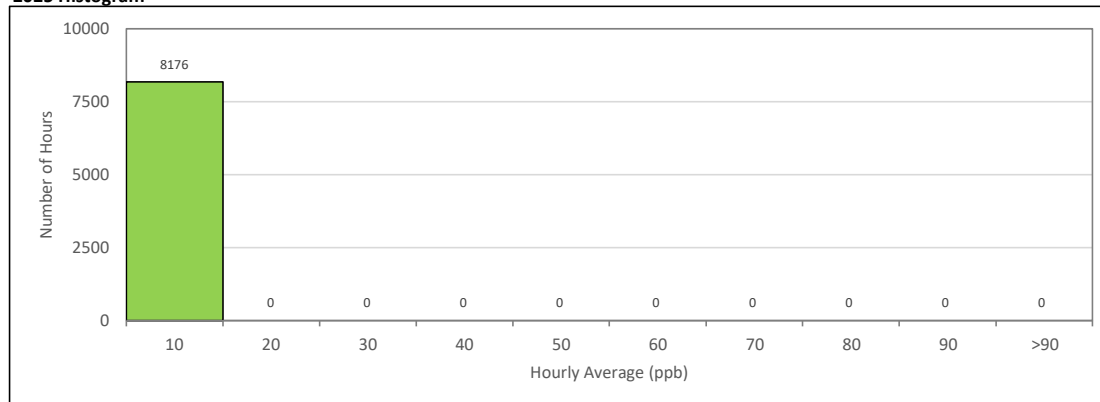
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



986-C STATION
TOTAL REDUCED SULPHUR (TRS) in parts per billion (ppb)

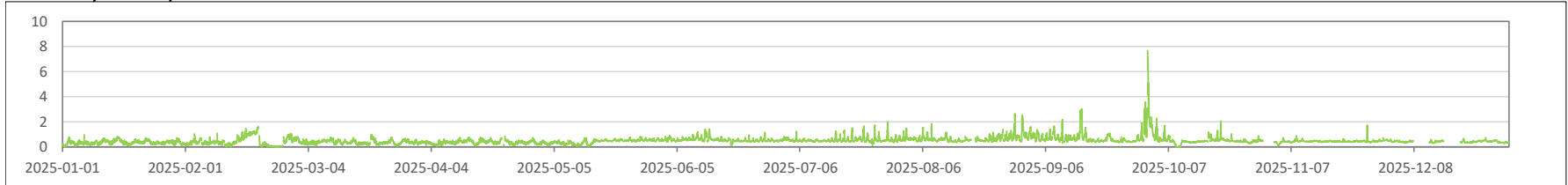
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 50	>50
January	100.0	708	0.03	0.96	0.59	0.35	100.0%	0.0%	0.0%	0.0%	0.0%
February	99.4	635	0.00	1.60	1.15	0.44	100.0%	0.0%	0.0%	0.0%	0.0%
March	99.6	703	0.06	0.96	0.64	0.38	100.0%	0.0%	0.0%	0.0%	0.0%
April	98.5	673	0.06	0.85	0.59	0.37	100.0%	0.0%	0.0%	0.0%	0.0%
May	99.1	697	0.06	0.84	0.57	0.41	100.0%	0.0%	0.0%	0.0%	0.0%
June	100.0	683	0.09	1.42	0.83	0.56	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	708	0.12	1.99	0.74	0.56	100.0%	0.0%	0.0%	0.0%	0.0%
August	96.6	682	0.36	2.65	1.36	0.66	99.6%	0.4%	0.0%	0.0%	0.0%
September	99.6	680	0.30	3.01	1.31	0.69	98.7%	1.3%	0.0%	0.0%	0.0%
October	94.5	668	0.00	7.66	2.86	0.64	97.8%	1.8%	0.4%	0.0%	0.0%
November	93.5	638	0.10	1.72	0.54	0.44	100.0%	0.0%	0.0%	0.0%	0.0%
December	75.0	522	0.28	0.75	0.50	0.42	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	96.3	7997	0.00	7.66	2.86	0.49	99.7%	0.3%	0.0%	0.0%	0.0%

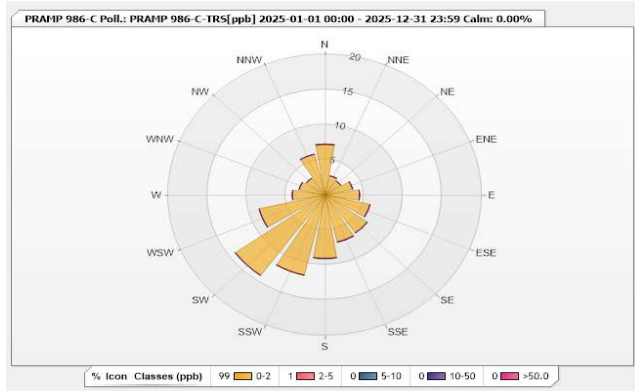
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
89	144	1	35	0	58	66	367	3
Total Hours of Downtime		327	Total Hours of Calibration		436	Total Hours of Flagged		763

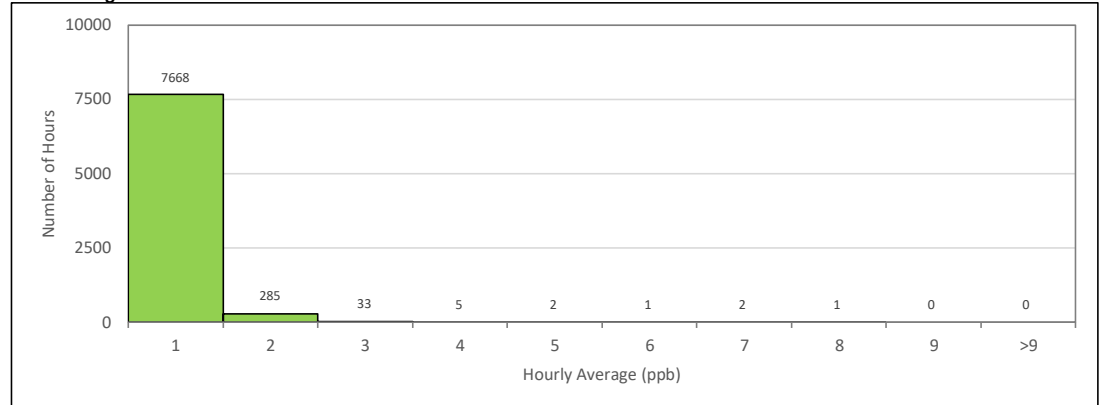
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



986-C STATION
TOTAL REDUCED SULPHUR (TRS) in parts per billion (ppb)

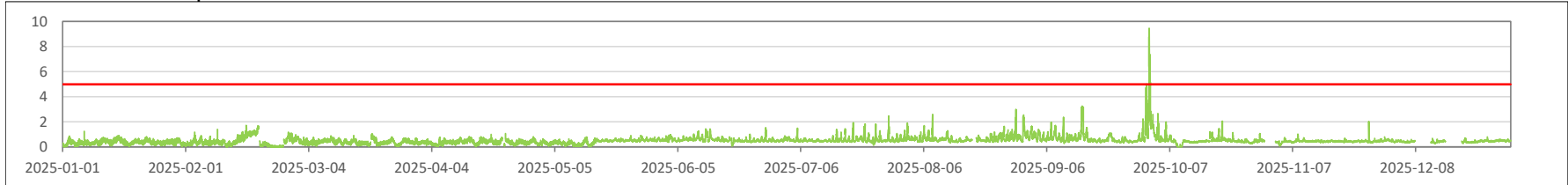
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 30-min	Max. 30-min	Max. 24-hr	Monthly Avg.	# of AAAQO 30-min	Percentage Readings in Concentration Range				
								0 - 2	3 - 5	6 - 10	11 - 50	>50
January	100.0	1416	0.02	1.23	0.59	0.35	0	100.0%	0.0%	0.0%	0.0%	0.0%
February	99.4	1269	0.00	1.70	1.15	0.44	0	100.0%	0.0%	0.0%	0.0%	0.0%
March	99.7	1408	0.04	1.02	0.64	0.38	0	100.0%	0.0%	0.0%	0.0%	0.0%
April	98.5	1347	0.00	1.05	0.59	0.37	0	100.0%	0.0%	0.0%	0.0%	0.0%
May	99.0	1395	0.02	0.91	0.57	0.41	0	100.0%	0.0%	0.0%	0.0%	0.0%
June	100.0	1367	0.00	1.51	0.83	0.56	0	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	1415	0.13	2.45	0.74	0.56	0	99.9%	0.1%	0.0%	0.0%	0.0%
August	96.6	1365	0.34	2.96	1.36	0.66	0	99.6%	0.4%	0.0%	0.0%	0.0%
September	99.6	1361	0.00	3.23	1.31	0.69	0	98.9%	1.1%	0.0%	0.0%	0.0%
October	94.4	1335	0.00	9.41	2.86	0.64	6	97.7%	1.9%	0.4%	0.0%	0.0%
November	93.6	1279	0.00	2.01	0.54	0.44	0	100.0%	0.0%	0.0%	0.0%	0.0%
December	75.1	1046	0.00	0.78	0.50	0.42	0	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	96.3	16003	0.00	9.41	2.86	0.49	6	99.7%	0.3%	0.0%	0.0%	0.0%

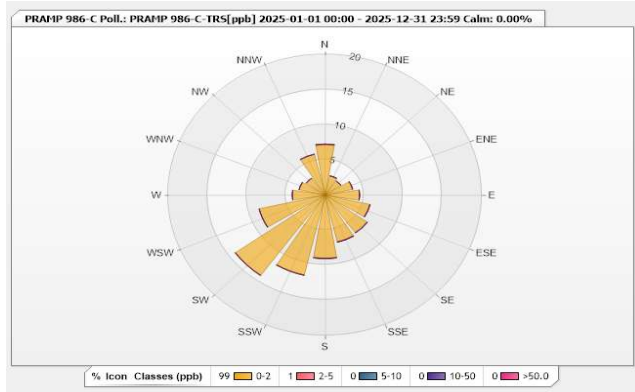
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
177	292	2	69	0	112	124	736	5
Total Hours of Downtime		652	Total Hours of Calibration		865	Total Hours of Flagged		1517

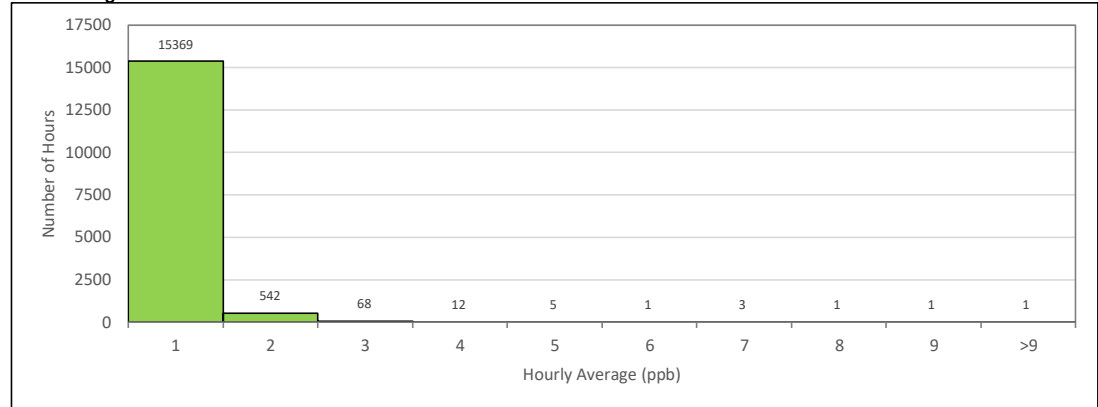
2025 30-Minute Data Graph



2025 Pollution Rose



2025 Histogram



986-C STATION
TOTAL HYDROCARBONS (THC) in parts per million (ppm)

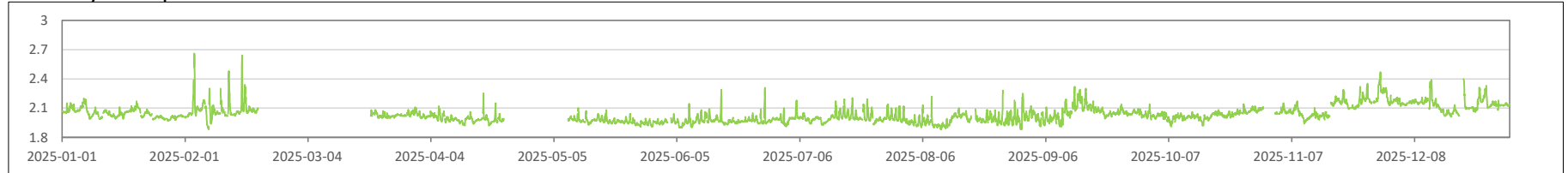
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 40	>40
January	99.9	707	1.97	2.20	2.15	2.04	100.0%	0.0%	0.0%	0.0%	0.0%
February	66.7	424	1.88	2.66	2.22	NA	98.4%	1.6%	0.0%	0.0%	0.0%
March	39.8	278	2.00	2.11	2.06	NA	100.0%	0.0%	0.0%	0.0%	0.0%
April	72.2	492	1.92	2.25	2.03	NA	100.0%	0.0%	0.0%	0.0%	0.0%
May	76.2	535	1.91	2.10	2.00	1.97	100.0%	0.0%	0.0%	0.0%	0.0%
June	97.4	666	1.90	2.31	2.02	1.97	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	708	1.91	2.20	2.06	2.00	100.0%	0.0%	0.0%	0.0%	0.0%
August	96.6	683	1.88	2.28	2.07	1.98	100.0%	0.0%	0.0%	0.0%	0.0%
September	99.6	680	1.91	2.32	2.20	2.05	100.0%	0.0%	0.0%	0.0%	0.0%
October	94.2	667	1.91	2.14	2.09	2.03	100.0%	0.0%	0.0%	0.0%	0.0%
November	91.3	621	1.94	2.47	2.33	2.11	99.7%	0.3%	0.0%	0.0%	0.0%
December	96.5	682	2.01	2.40	2.23	2.14	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	85.9	7143	1.88	2.66	2.33	2.03	99.8%	0.2%	0.0%	0.0%	0.0%

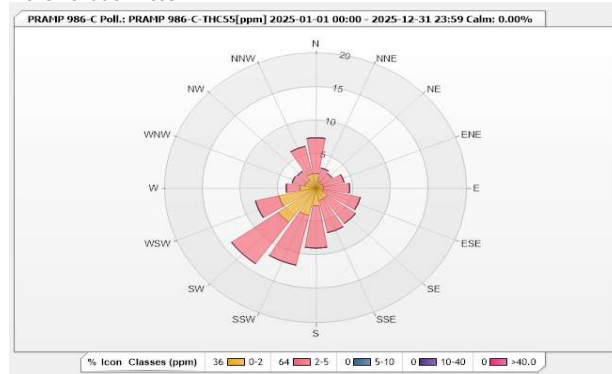
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
89	1104	1	24	0	11	59	326	3
Total Hours of Downtime		1229	Total Hours of Calibration		388	Total Hours of Flagged		1617

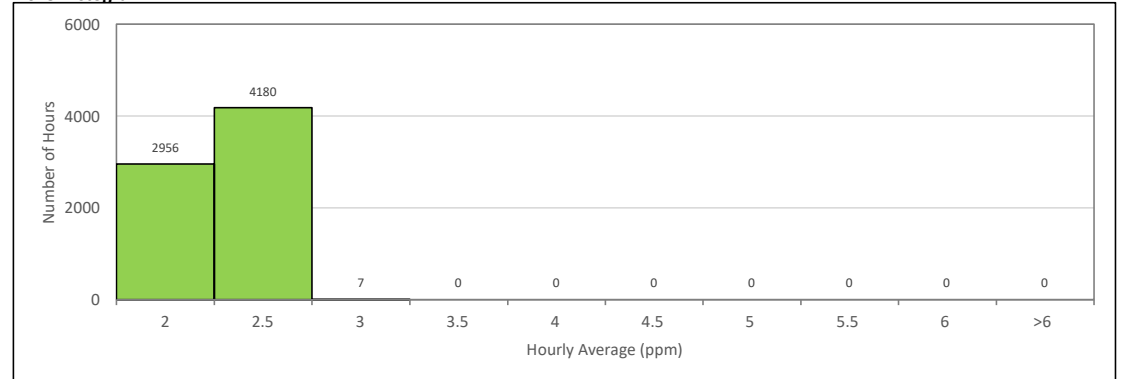
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



986-C STATION
METHANE (CH₄) in parts per million (ppm)

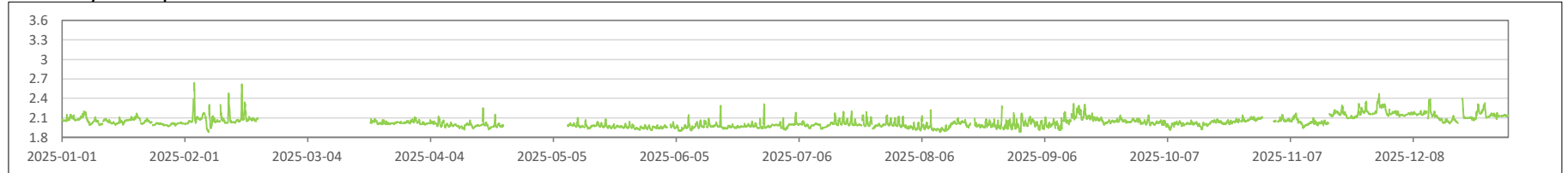
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 20	>20
January	99.9	707	1.97	2.20	2.15	2.04	100.0%	0.0%	0.0%	0.0%	0.0%
February	66.7	424	1.88	2.64	2.22	NA	98.4%	1.6%	0.0%	0.0%	0.0%
March	39.8	278	2.00	2.11	2.06	NA	100.0%	0.0%	0.0%	0.0%	0.0%
April	72.2	492	1.92	2.25	2.03	NA	100.0%	0.0%	0.0%	0.0%	0.0%
May	76.2	535	1.91	2.10	2.00	1.97	100.0%	0.0%	0.0%	0.0%	0.0%
June	97.4	666	1.90	2.31	2.02	1.97	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	708	1.91	2.20	2.06	2.00	100.0%	0.0%	0.0%	0.0%	0.0%
August	96.6	683	1.88	2.28	2.05	1.98	100.0%	0.0%	0.0%	0.0%	0.0%
September	99.6	680	1.91	2.32	2.20	2.05	100.0%	0.0%	0.0%	0.0%	0.0%
October	94.2	667	1.91	2.14	2.09	2.03	100.0%	0.0%	0.0%	0.0%	0.0%
November	91.3	621	1.94	2.47	2.33	2.11	99.7%	0.3%	0.0%	0.0%	0.0%
December	96.5	682	2.01	2.40	2.23	2.14	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	85.9	7143	1.88	2.64	2.33	2.03	99.8%	0.2%	0.0%	0.0%	0.0%

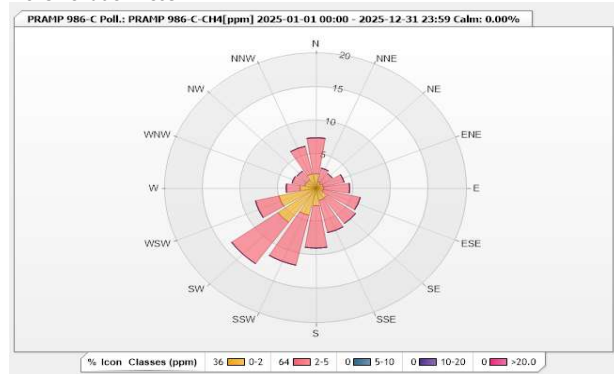
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
89	1104	1	24	0	11	59	326	3
Total Hours of Downtime		1229	Total Hours of Calibration		388	Total Hours of Flagged		1617

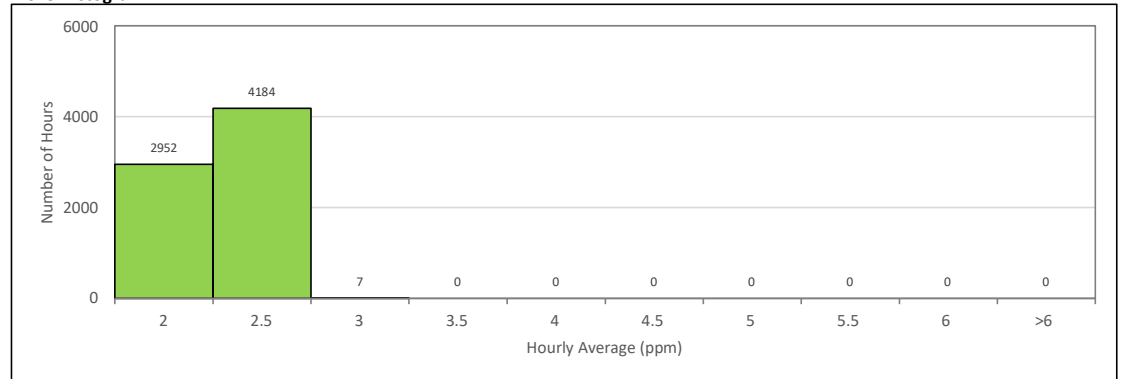
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



986-C STATION
NON-METHANE HYDROCARBONS (NMHC) in parts per million (ppm)

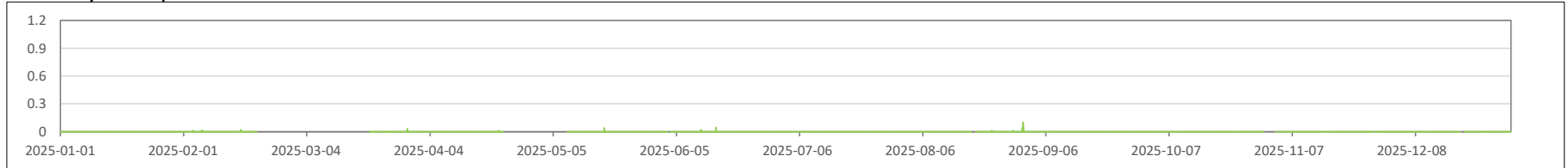
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 0.1	0.2 - 0.3	0.4 - 0.9	1 - 2	>2
January	99.9	707	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
February	66.7	424	0.00	0.02	0.00	NA	100.0%	0.0%	0.0%	0.0%	0.0%
March	39.8	278	0.00	0.03	0.00	NA	100.0%	0.0%	0.0%	0.0%	0.0%
April	72.2	492	0.00	0.01	0.00	NA	100.0%	0.0%	0.0%	0.0%	0.0%
May	76.2	535	0.00	0.04	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
June	97.4	666	0.00	0.04	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	708	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
August	96.6	683	0.00	0.10	0.02	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
September	99.6	680	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
October	94.2	667	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
November	91.3	621	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
December	96.5	682	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	85.9	7143	0.00	0.10	0.02	0.00	100.0%	0.0%	0.0%	0.0%	0.0%

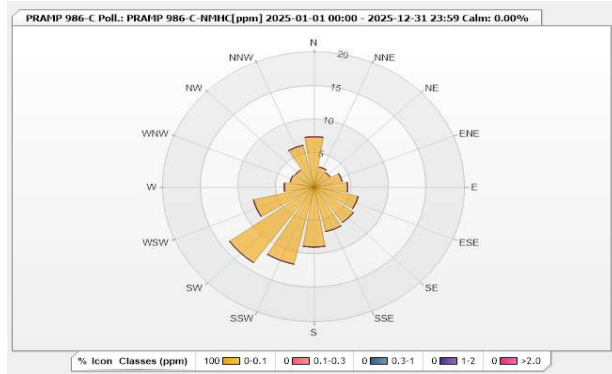
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
89	1104	1	24	0	11	59	326	3
Total Hours of Downtime		1229	Total Hours of Calibration		388	Total Hours of Flagged		1617

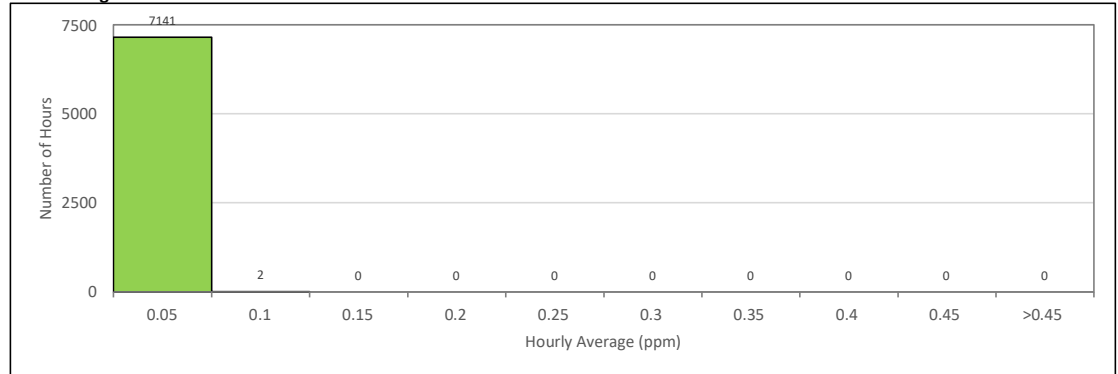
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



986-C STATION
RELATIVE HUMIDITY (RH) in percent (%)

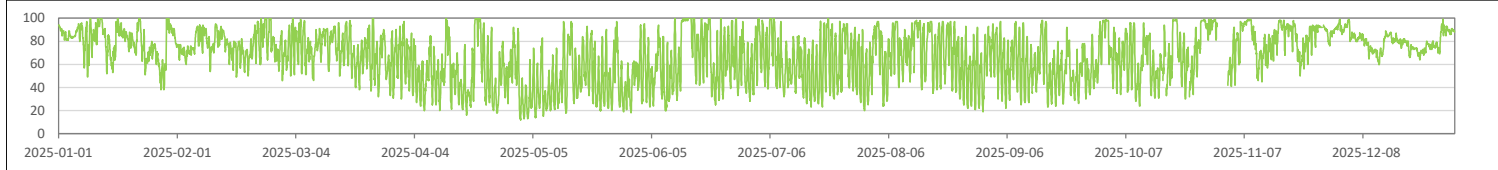
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	80.3	38	100	94
February	100.0	672	76.6	46	100	89
March	99.9	743	71.4	30	100	85
April	100.0	720	53.8	16	100	96
May	100.0	744	45.5	12	97	78
June	100.0	720	63.8	20	100	99
July	100.0	744	61.8	20	100	88
August	99.6	741	67.6	19	98	93
September	99.7	718	58.9	22	98	81
October	94.6	704	69.9	24	99	97
November	93.5	673	80.9	41	99	97
December	100.0	744	80.3	60	99	94
Annual	98.9	8667	67.6	12	100	99

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
89	0	4	0	0	0	0	0	0
Total Hours of Downtime		93	Total Hours of Calibration		0	Total Hours of Flagged		93

2025 Hourly Data Graph



986-C STATION
AMBIENT TEMPERATURE (AT) in degree celsius (°C)

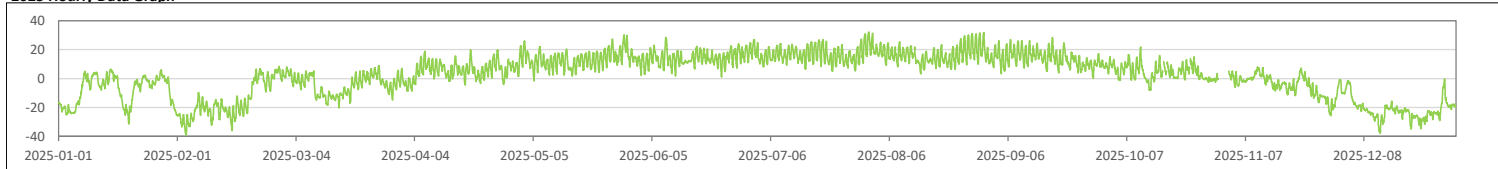
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	-8.0	-31.6	6.6	3.6
February	100.0	672	-15.4	-39.4	8.3	5.5
March	99.9	743	-3.9	-20.2	9.1	4.0
April	100.0	720	5.7	-8.8	20.0	13.3
May	100.0	744	13.4	-1.5	30.3	21.7
June	100.0	720	14.2	1.1	28.5	18.9
July	100.0	744	16.8	5.0	32.3	24.8
August	99.6	741	17.0	3.3	31.8	22.8
September	99.7	718	14.2	0.2	28.4	19.3
October	94.6	704	4.8	-8.0	21.8	11.8
November	93.5	673	-4.4	-25.7	8.0	5.8
December	100.0	744	-20.8	-37.8	-0.3	-3.4
Annual	98.9	8667	2.8	-39.4	32.3	24.8

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
89	0	4	0	0	0	0	0	0
Total Hours of Downtime		93	Total Hours of Calibration		0	Total Hours of Flagged		93

2025 Hourly Data Graph



986-C STATION
BAROMETRIC PRESSURE (BP) in millibar (mb)

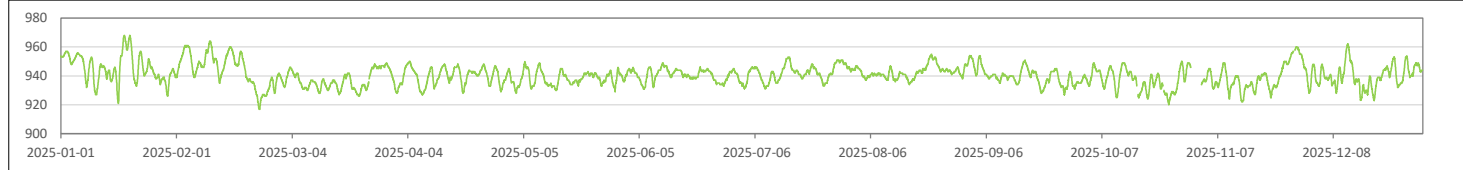
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	945	921	968	964
February	100.0	672	945	917	964	961
March	99.9	743	937	926	949	947
April	100.0	720	940	927	950	949
May	100.0	744	938	928	950	947
June	100.0	720	941	931	949	948
July	100.0	744	942	931	953	951
August	99.6	741	943	934	955	953
September	99.7	718	940	927	954	952
October	94.6	704	937	920	950	948
November	93.5	673	939	922	960	959
December	100.0	744	940	923	962	956
Annual	98.9	8667	941	917	968	964

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
89	0	4	0	0	0	0	0	0
Total Hours of Downtime		93	Total Hours of Calibration		0	Total Hours of Flagged		93

2025 Hourly Data Graph



986-C STATION
PRECIPITATION in millimeter (mm)

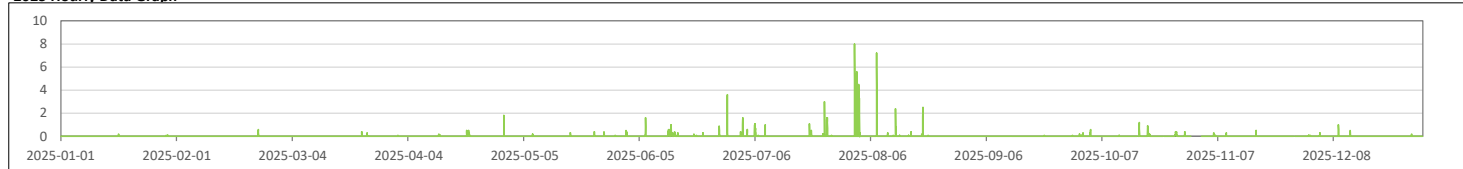
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Mthly Total	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	0.7	0.0	0.2	0.4
February	100.0	672	1.2	0.0	0.6	1.2
March	99.9	743	0.8	0.0	0.4	0.4
April	100.0	720	4.9	0.0	1.8	2.1
May	100.0	744	1.8	0.0	0.4	0.4
June	100.0	720	21.7	0.0	3.6	7.4
July	100.0	744	23.5	0.0	3.0	7.5
August	100.0	744	52.9	0.0	8.0	17.0
September	99.7	718	0.2	0.0	0.1	0.1
October	94.6	704	12.4	0.0	1.2	4.3
November	93.5	673	1.8	0.0	0.5	0.6
December	100.0	744	2.5	0.0	1.0	1.0
Annual	99.0	8670	124.4	0.0	8.0	17.0

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
89	0	1	0	0	0	0	0	0
Total Hours of Downtime		90	Total Hours of Calibration		0	Total Hours of Flagged		90

2025 Hourly Data Graph



986-C STATION
VECTOR WIND SPEED (VWS) in kilometer per hour (km/hr)

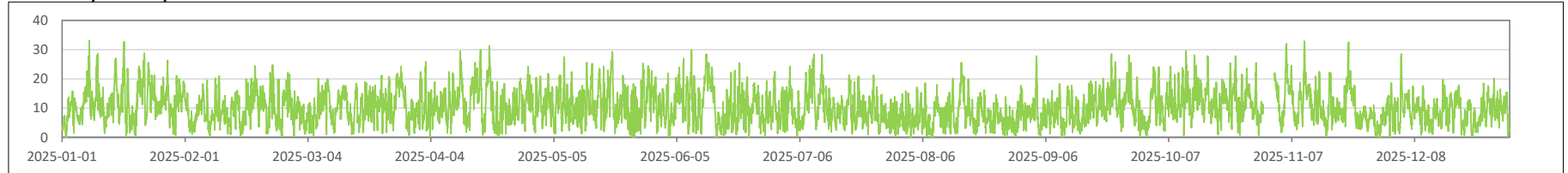
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 6	7 - 15	16 - 29	30 -39	>39
January	100.0	744	0.0	32.7	19.3	4.3	16.5%	58.7%	23.9%	0.8%	0.0%
February	100.0	672	0.4	24.7	16.5	3.0	28.6%	56.8%	14.6%	0.0%	0.0%
March	99.9	743	0.4	24.2	18.4	0.9	24.6%	59.2%	16.2%	0.0%	0.0%
April	100.0	720	0.3	31.3	22.0	5.1	21.0%	52.2%	26.4%	0.4%	0.0%
May	100.0	744	0.2	29.2	20.3	5.7	19.8%	55.4%	24.9%	0.0%	0.0%
June	100.0	720	0.0	29.9	22.6	0.7	31.7%	44.7%	23.5%	0.1%	0.0%
July	100.0	744	0.5	28.4	18.6	3.9	31.7%	54.8%	13.4%	0.0%	0.0%
August	100.0	741	0.0	25.6	16.4	2.3	48.7%	44.8%	6.5%	0.0%	0.0%
September	99.7	718	0.1	28.5	17.3	5.1	27.2%	56.1%	16.7%	0.0%	0.0%
October	94.6	704	0.4	29.5	18.6	5.5	15.3%	56.3%	28.3%	0.1%	0.0%
November	93.5	673	0.0	32.9	21.4	4.7	27.9%	48.4%	22.1%	1.5%	0.0%
December	100.0	744	0.1	28.5	13.1	3.3	30.5%	63.7%	5.8%	0.0%	0.0%
Annual	99.0	8667	0.0	32.9	22.6	2.9	27.0%	54.3%	18.5%	0.2%	0.0%

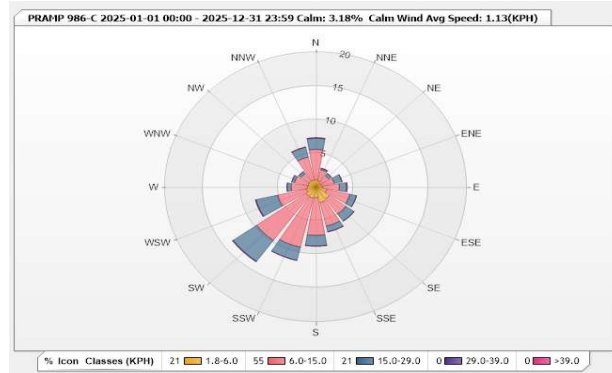
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
89	0	1	0	0	0	3	0	0
Total Hours of Downtime		90	Total Hours of Calibration		3	Total Hours of Flagged		93

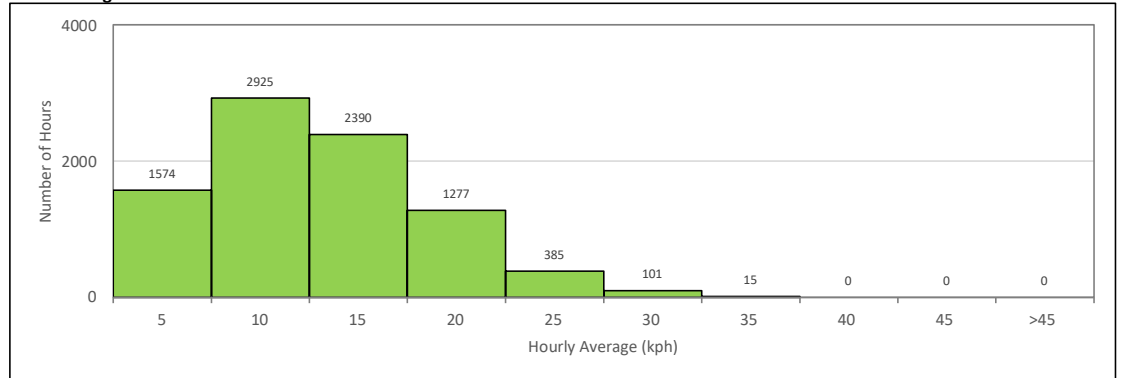
2025 Hourly Data Graph



2025 Wind Rose



2025 Histogram



1.2 842-B Station

1.2.1 Parameters Monitoring Summary

	SO2	TRS	THC	CH4	NMHC	RH	BP	AT	PRECIP
	ppb	ppb	ppm	ppm	ppm	%RH	mb	°C	mm
Minimum	0	0.05	1.89	1.89	0.00	10	916	-39.7	0.0
Min Date	2025-01-01 00:00	2025-08-08 10:00	2025-01-07 21:00	2025-01-07 21:00	2025-01-01 00:00	2025-05-01 18:00	2025-02-23 02:00	2025-12-12 05:00	2025-01-01 00:00
Maximum	5	4.25	3.75	3.75	1.17	100	967	32.3	19.3
Max Date	2025-02-05 11:00	2025-08-05 05:00	2025-02-03 08:00	2025-02-03 08:00	2025-09-03 07:00	2025-08-20 02:00	2025-01-19 11:00	2025-08-30 15:00	2025-06-19 14:00
Average	0.0	0.71	2.05	2.05	0.00	65.0	939	2.9	181.7*
# of Reading	8314	8265	8131	8131	8131	8749	8749	8749	8745
Valid Data [%]	94.9	94.4	92.8	92.8	92.8	99.9	99.9	99.9	99.8
Operational Uptime [%]	99.9	99.3	97.7	97.7	97.7	99.9	99.9	99.9	99.9
	VWS	VWD							
	KPH	Deg							
Minimum	0.0	0							
Min Date	2025-06-15 01:00	2025-02-11 02:00							
Maximum	33.3	360							
Max Date	2025-05-29 15:00	2025-01-04 01:00							
Average	2.8	223							
# of Reading	8734	8734							
Valid Data [%]	99.7	99.7							
Operational Uptime [%]	99.7	99.7							

* Total amounts were presented on the table

1.2.2 Monitoring Parameters – Continuous Data Summary and Frequency Distribution

842-B STATION SULPHUR DIOXIDE (SO₂) in parts per billion (ppb)

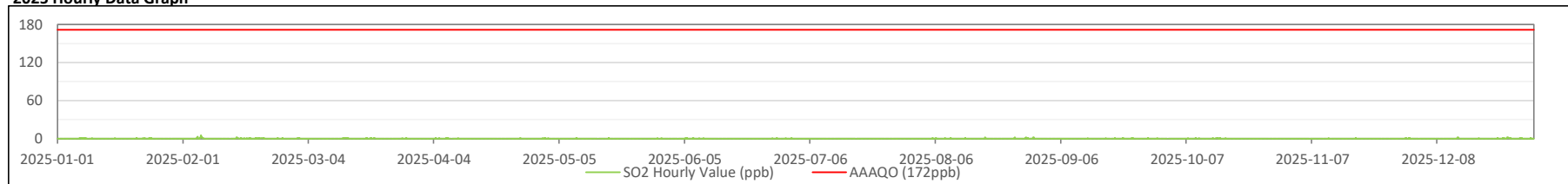
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	# of AAAQO Exceedances				Percentage Readings in Concentration Range				
							1-hour	24-hour	30-day	Annual	0 - 10	11 - 50	51 - 100	101 - 172	>172
January	100.0	707	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	637	0	5	2	0.2	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
March	100.0	708	0	1	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	685	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
May	99.1	698	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
June	100.0	685	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	707	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	708	0	2	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
September	99.6	681	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
October	99.9	707	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	684	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
December	100.0	707	0	2	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	99.9	8314	0	5	2	0.0	0	0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%

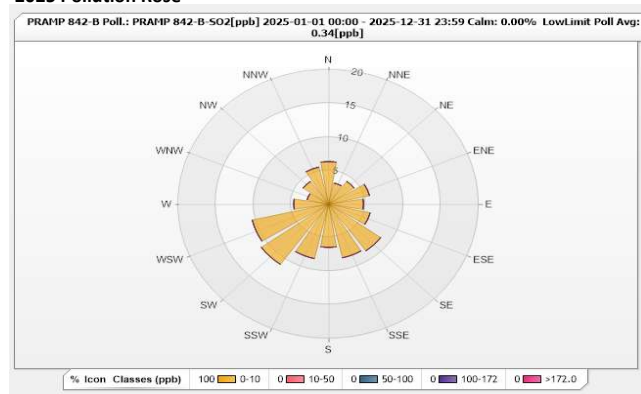
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
10	0	0	1	0	0	56	377	2
Total Hours of Downtime		11	Total Hours of Calibration		435	Total Hours of Flagged		446

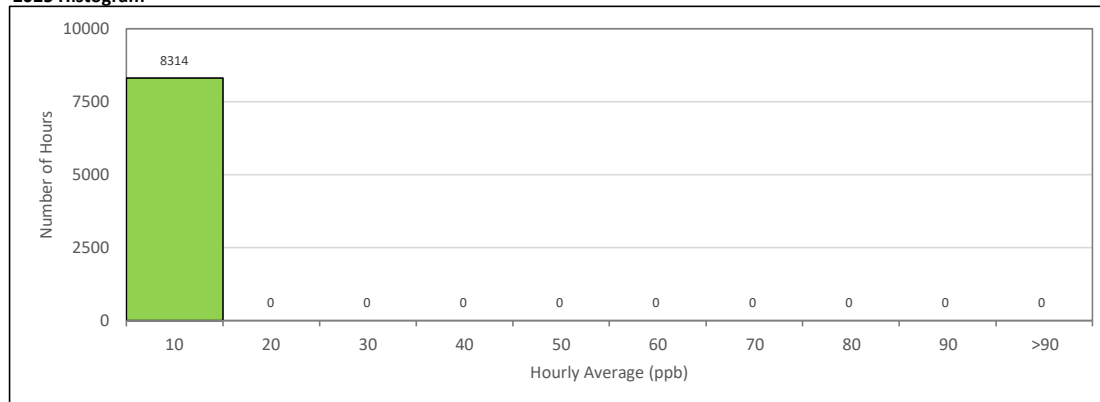
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



842-B STATION
TOTAL REDUCED SULPHUR (TRS) in parts per billion (ppb)

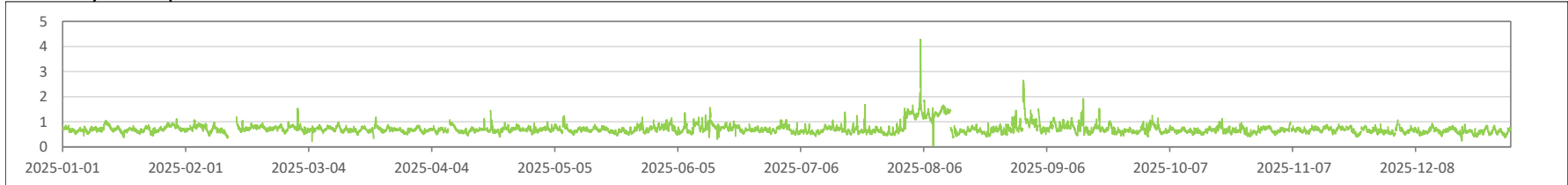
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 50	>50
January	100.0	707	0.37	1.10	0.88	0.70	100.0%	0.0%	0.0%	0.0%	0.0%
February	93.3	594	0.35	1.19	0.88	0.74	100.0%	0.0%	0.0%	0.0%	0.0%
March	100.0	708	0.23	1.53	0.85	0.70	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	685	0.40	1.45	0.85	0.68	100.0%	0.0%	0.0%	0.0%	0.0%
May	99.1	698	0.44	1.24	0.89	0.69	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.7	683	0.40	1.56	1.04	0.74	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	707	0.42	1.67	0.85	0.66	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	708	0.05	4.25	1.71	0.96	99.0%	1.0%	0.0%	0.0%	0.0%
September	99.4	680	0.38	1.92	1.05	0.75	100.0%	0.0%	0.0%	0.0%	0.0%
October	99.9	707	0.40	1.25	0.94	0.66	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	684	0.39	0.99	0.79	0.67	100.0%	0.0%	0.0%	0.0%	0.0%
December	99.9	704	0.24	1.07	0.76	0.62	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	99.3	8265	0.05	4.25	1.71	0.71	99.9%	0.1%	0.0%	0.0%	0.0%

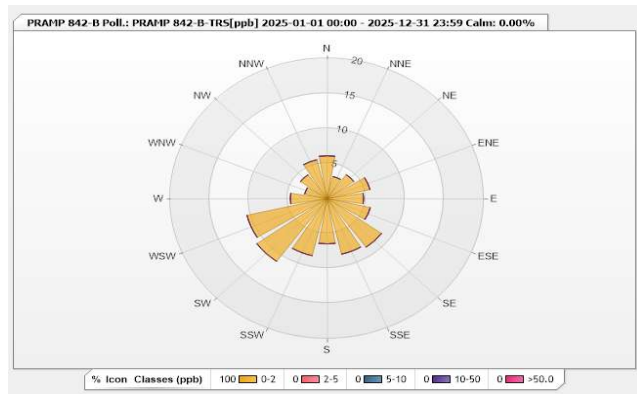
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
10	21	0	3	0	26	57	376	2
Total Hours of Downtime		60	Total Hours of Calibration		435	Total Hours of Flagged		495

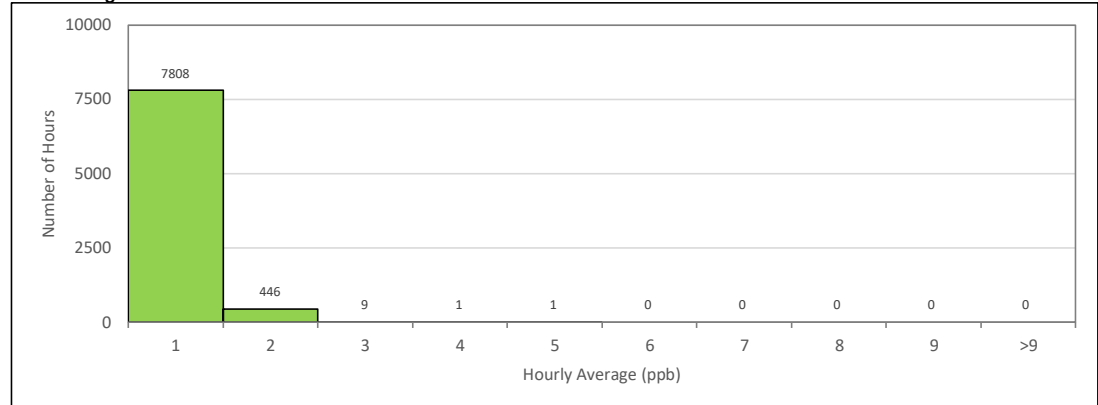
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



842-B STATION
TOTAL REDUCED SULPHUR (TRS) in parts per billion (ppb)

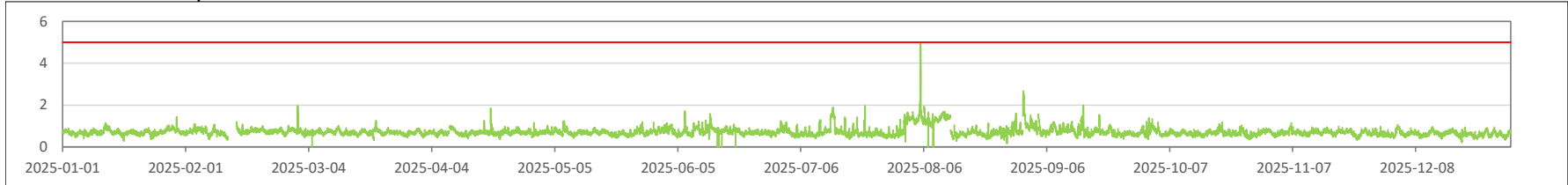
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 30-min	Max. 30-min	Max. 24-hr	Monthly Avg.	# of AAAQO 30-min	Percentage Readings in Concentration Range				
								0 - 2	3 - 5	6 - 10	11 - 50	>50
January	100.0	1414	0.29	1.42	0.88	0.70	0	100.0%	0.0%	0.0%	0.0%	0.0%
February	93.3	1189	0.00	1.19	1.04	0.74	0	100.0%	0.0%	0.0%	0.0%	0.0%
March	100.0	1416	0.02	1.97	0.85	0.70	0	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	1369	0.00	1.83	0.85	0.68	0	100.0%	0.0%	0.0%	0.0%	0.0%
May	99.1	1398	0.42	1.24	0.89	0.69	0	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.6	1362	0.00	1.72	1.04	0.74	0	100.0%	0.0%	0.0%	0.0%	0.0%
July	99.9	1414	0.37	1.93	1.21	0.70	0	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	1416	0.01	4.93	1.71	0.95	0	98.9%	1.1%	0.0%	0.0%	0.0%
September	99.5	1361	0.00	1.97	1.05	0.75	0	100.0%	0.0%	0.0%	0.0%	0.0%
October	99.9	1415	0.35	1.38	0.94	0.66	0	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	1369	0.00	1.15	0.79	0.67	0	100.0%	0.0%	0.0%	0.0%	0.0%
December	99.8	1408	0.22	1.06	0.83	0.62	0	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	99.3	16531	0.00	4.93	1.71	0.72	0	99.9%	0.1%	0.0%	0.0%	0.0%

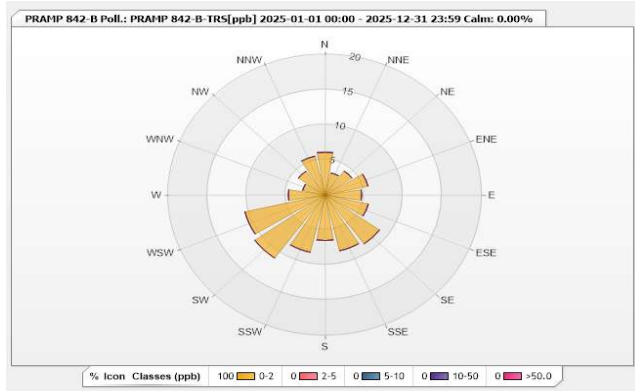
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
18	42	2	9	0	52	110	752	4
Total Hours of Downtime		123	Total Hours of Calibration		866	Total Hours of Flagged		989

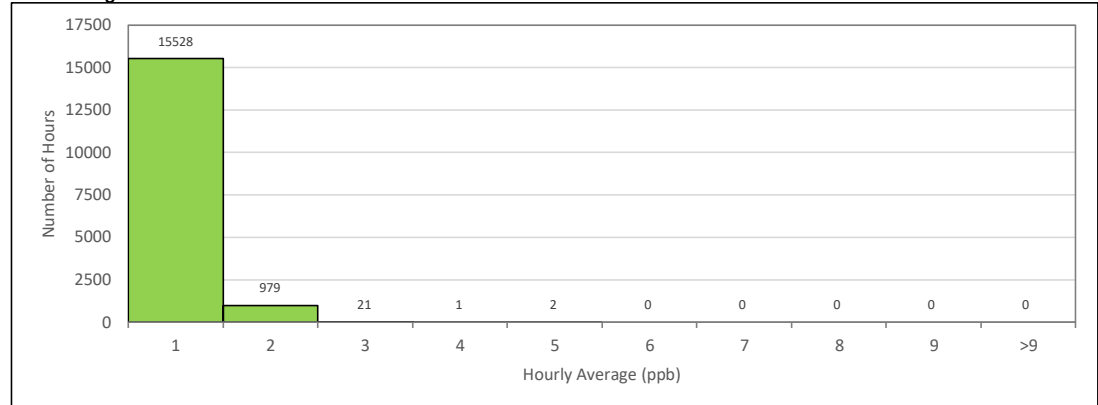
2025 30-Minute Data Graph



2025 Pollution Rose



2025 Histogram



842-B STATION
TOTAL HYDROCARBONS (THC) in parts per million (ppm)

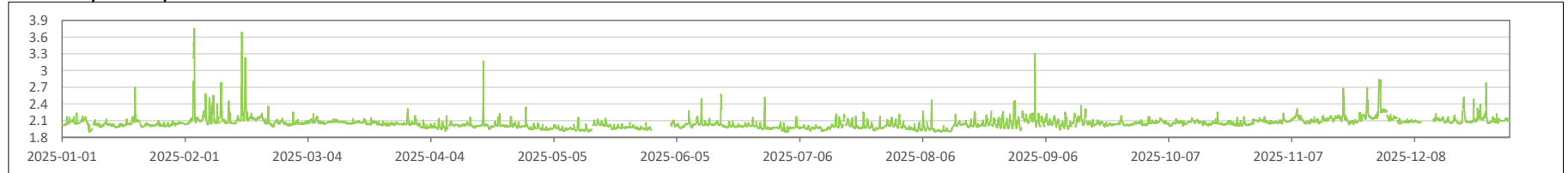
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 40	>40
January	100.0	706	1.89	2.70	2.16	2.04	99.7%	0.3%	0.0%	0.0%	0.0%
February	99.1	632	1.99	3.75	2.59	2.15	93.5%	6.5%	0.0%	0.0%	0.0%
March	100.0	708	2.01	2.31	2.10	2.06	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	685	1.92	3.17	2.15	2.01	99.7%	0.3%	0.0%	0.0%	0.0%
May	92.3	651	1.90	2.16	2.05	1.97	100.0%	0.0%	0.0%	0.0%	0.0%
June	92.4	632	1.94	2.57	2.11	2.02	98.9%	1.1%	0.0%	0.0%	0.0%
July	100.0	707	1.90	2.25	2.09	1.99	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	708	1.89	2.47	2.16	2.01	99.3%	0.7%	0.0%	0.0%	0.0%
September	99.4	680	1.93	3.30	2.16	2.07	99.7%	0.3%	0.0%	0.0%	0.0%
October	99.2	702	2.00	2.25	2.10	2.06	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	685	2.03	2.84	2.49	2.14	96.4%	3.6%	0.0%	0.0%	0.0%
December	90.1	635	2.04	2.78	2.27	2.11	98.3%	1.7%	0.0%	0.0%	0.0%
Annual	97.7	8131	1.89	3.75	2.59	2.05	98.8%	1.2%	0.0%	0.0%	0.0%

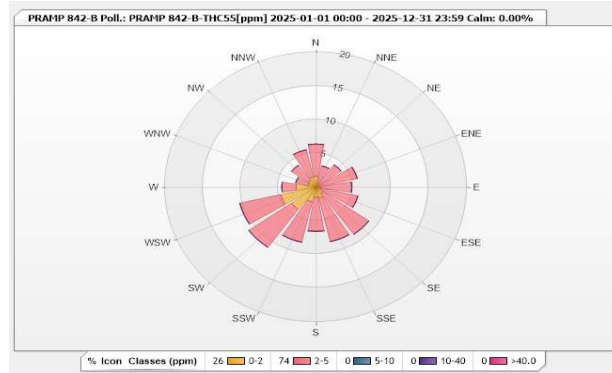
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
10	177	0	1	0	14	55	370	2
Total Hours of Downtime		202	Total Hours of Calibration		427	Total Hours of Flagged		629

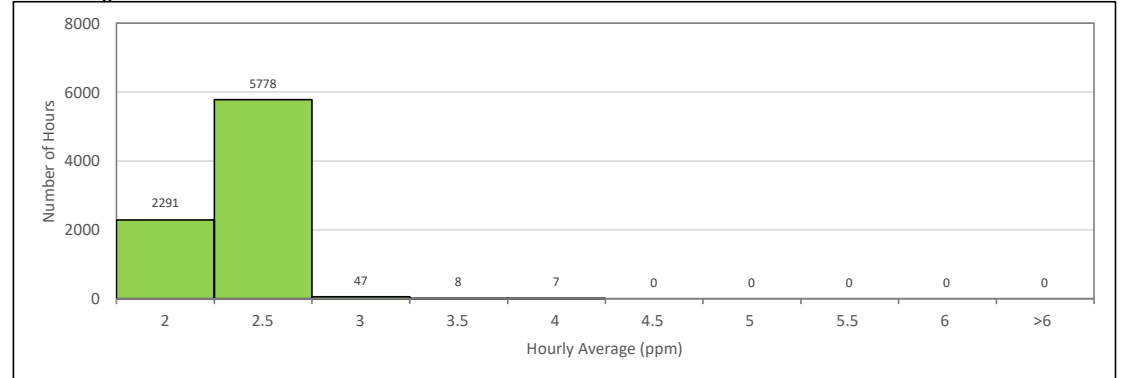
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



842-B STATION
METHANE (CH₄) in parts per million (ppm)

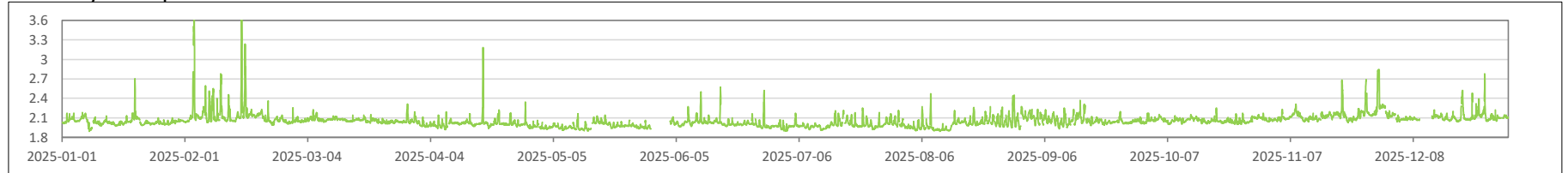
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 20	>20
January	100.0	706	1.89	2.70	2.16	2.04	99.7%	0.3%	0.0%	0.0%	0.0%
February	99.1	632	1.99	3.75	2.59	2.15	93.5%	6.5%	0.0%	0.0%	0.0%
March	100.0	708	2.01	2.31	2.10	2.06	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	685	1.92	3.17	2.15	2.01	99.7%	0.3%	0.0%	0.0%	0.0%
May	92.3	651	1.90	2.16	2.05	1.97	100.0%	0.0%	0.0%	0.0%	0.0%
June	92.4	632	1.94	2.57	2.11	2.02	98.9%	1.1%	0.0%	0.0%	0.0%
July	100.0	707	1.90	2.25	2.09	1.99	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	708	1.89	2.47	2.16	2.01	99.3%	0.7%	0.0%	0.0%	0.0%
September	99.4	680	1.93	2.37	2.16	2.06	100.0%	0.0%	0.0%	0.0%	0.0%
October	99.2	702	2.00	2.25	2.10	2.06	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	685	2.03	2.84	2.49	2.14	96.4%	3.6%	0.0%	0.0%	0.0%
December	90.1	635	2.04	2.78	2.27	2.11	98.3%	1.7%	0.0%	0.0%	0.0%
Annual	97.7	8131	1.89	3.75	2.59	2.05	98.8%	1.2%	0.0%	0.0%	0.0%

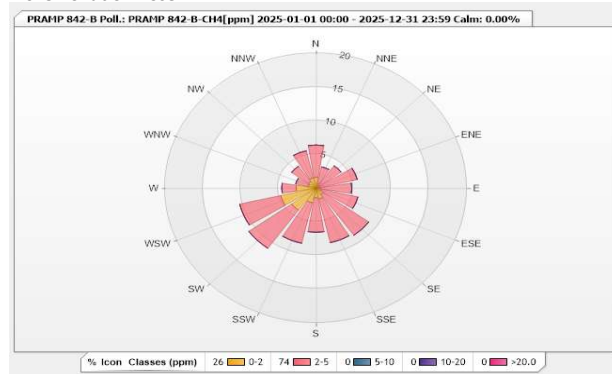
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
10	177	0	1	0	14	55	370	2
Total Hours of Downtime		202	Total Hours of Calibration		427	Total Hours of Flagged		629

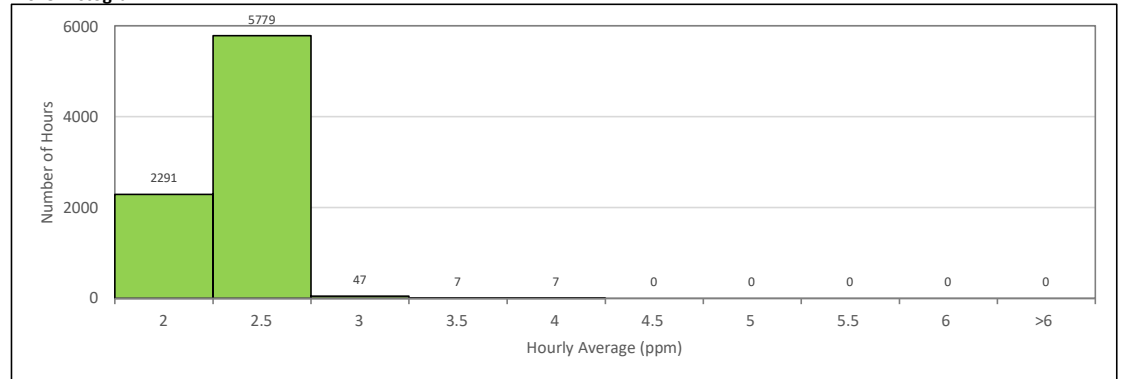
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



842-B STATION
NON-METHANE HYDROCARBONS (NMHC) in parts per million (ppm)

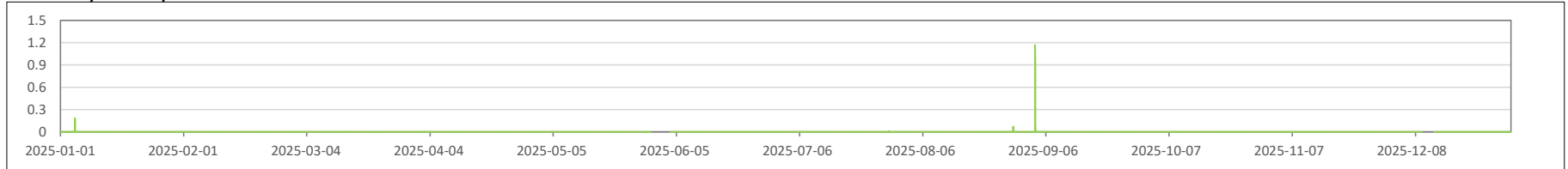
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 0.1	0.2 - 0.3	0.4 - 0.9	1 - 2	>2
January	100.0	706	0.00	0.18	0.01	0.00	99.9%	0.1%	0.0%	0.0%	0.0%
February	99.1	632	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
March	100.0	708	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	685	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
May	92.3	651	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
June	92.4	632	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	707	0.00	0.01	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	708	0.00	0.07	0.01	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
September	99.4	680	0.00	1.17	0.07	0.00	99.7%	0.1%	0.0%	0.1%	0.0%
October	99.2	702	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	685	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
December	90.1	635	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	97.7	8131	0.00	1.17	0.07	0.00	100.0%	0.0%	0.0%	0.0%	0.0%

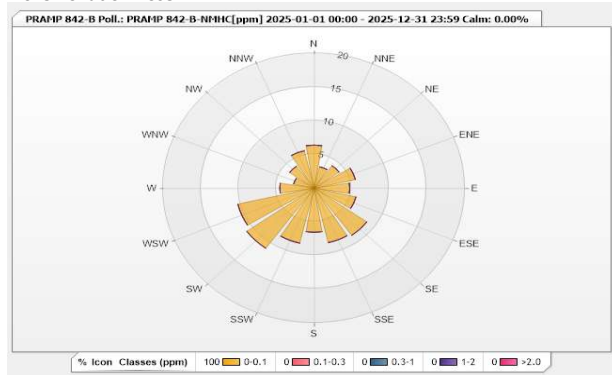
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
10	177	0	1	0	14	55	370	2
Total Hours of Downtime		202	Total Hours of Calibration		427	Total Hours of Flagged		629

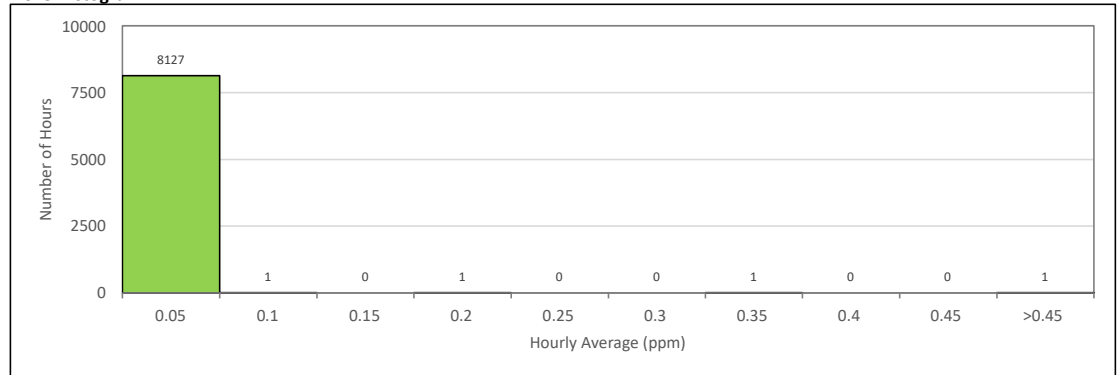
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



842-B STATION
RELATIVE HUMIDITY (RH) in percent (%)

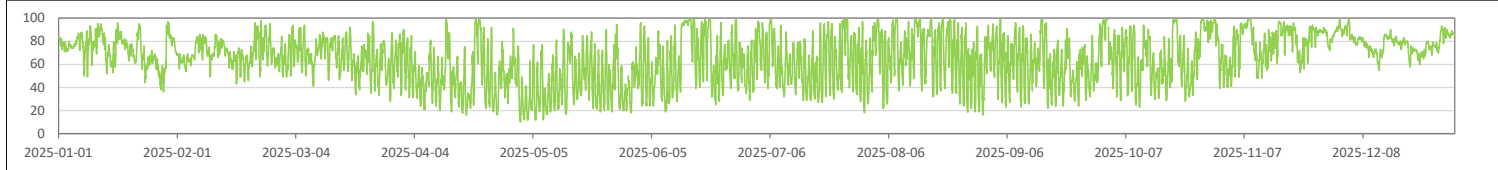
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	73.3	36	97	87
February	100.0	672	69.3	43	98	80
March	100.0	744	66.5	28	97	78
April	100.0	720	50.8	16	99	91
May	99.2	738	43.2	10	94	70
June	100.0	720	62.1	19	99	97
July	100.0	744	61.5	18	99	90
August	100.0	744	67.6	16	100	94
September	99.6	717	59.9	22	99	81
October	99.7	742	68.1	23	99	95
November	100.0	720	78.5	40	99	97
December	100.0	744	78.8	55	99	92
Annual	99.9	8749	65.0	10	100	97

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
9	0	0	2	0	0	0	0	0
Total Hours of Downtime		11	Total Hours of Calibration		0	Total Hours of Flagged		11

2025 Hourly Data Graph



842-B STATION
AMBIENT TEMPERATURE (AT) in degree celsius (°C)

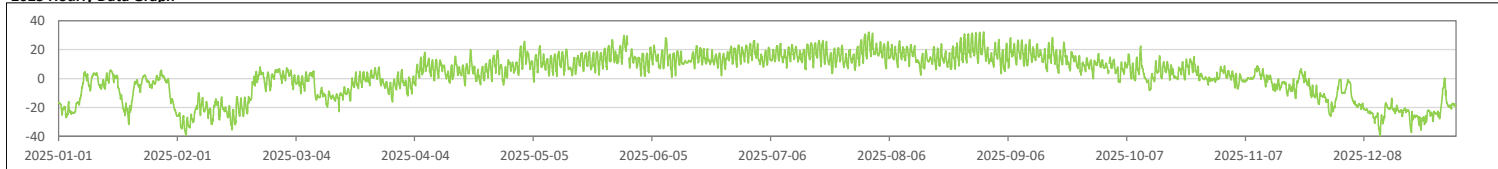
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	-8.1	-31.7	5.9	3.4
February	100.0	672	-15.7	-39.4	7.9	5.0
March	100.0	744	-4.3	-22.8	8.0	4.0
April	100.0	720	5.4	-12.0	20.1	13.1
May	99.2	738	13.3	-2.4	29.8	22.7
June	100.0	720	14.1	0.8	28.3	19.2
July	100.0	744	16.8	3.6	32.1	24.9
August	100.0	744	17.3	2.4	32.3	23.6
September	99.6	717	14.3	-0.1	28.4	19.9
October	99.7	742	4.9	-8.0	22.5	11.7
November	100.0	720	-4.2	-26.3	8.9	5.7
December	100.0	744	-20.6	-39.7	0.3	-3.4
Annual	99.9	8749	2.8	-39.7	32.3	24.9

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
9	0	0	2	0	0	0	0	0
Total Hours of Downtime		11	Total Hours of Calibration		0	Total Hours of Flagged		11

2025 Hourly Data Graph



842-B STATION
BAROMETRIC PRESSURE (BP) in millibar (mb)

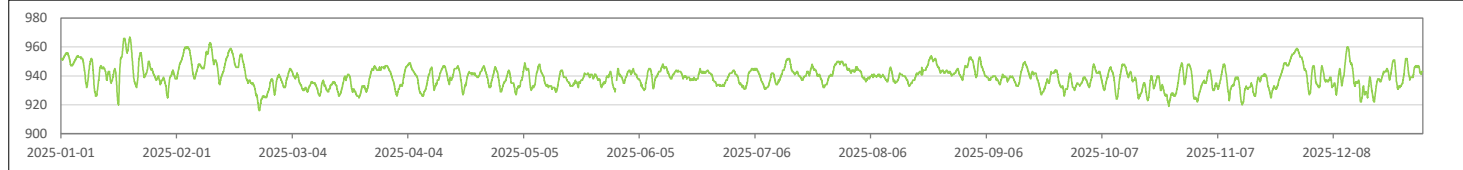
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	944	920	967	963
February	100.0	672	943	916	963	959
March	100.0	744	936	925	947	946
April	100.0	720	939	926	949	948
May	99.2	738	937	927	949	946
June	100.0	720	940	930	948	946
July	100.0	744	941	931	952	950
August	100.0	744	942	933	954	952
September	99.6	717	939	926	953	951
October	99.7	742	936	919	949	947
November	100.0	720	938	920	959	958
December	100.0	744	939	922	960	954
Annual	99.9	8749	939	916	967	963

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
9	0	0	2	0	0	0	0	0
Total Hours of Downtime		11	Total Hours of Calibration		0	Total Hours of Flagged		11

2025 Hourly Data Graph



842-B STATION
PRECIPITATION in millimeter (mm)

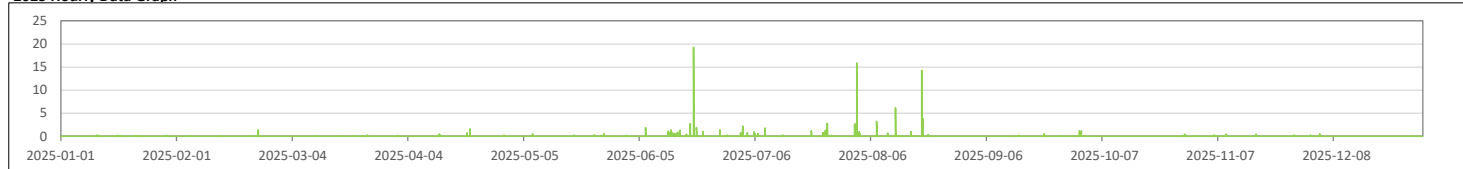
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Mthly Total	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	2.8	0.0	0.3	0.6
February	100.0	672	2.4	0.0	1.4	1.8
March	100.0	743	1.0	0.0	0.3	0.6
April	100.0	720	6.6	0.0	1.6	3.1
May	99.2	738	2.6	0.0	0.6	0.8
June	100.0	720	64.4	0.0	19.3	24.4
July	100.0	744	28.3	0.0	2.8	9.6
August	100.0	744	63.3	0.0	15.9	20.4
September	99.6	717	2.0	0.0	0.6	0.8
October	99.5	739	4.0	0.0	1.1	3.2
November	100.0	720	2.8	0.0	0.5	1.1
December	100.0	744	1.5	0.0	0.5	1.2
Annual	99.9	8745	181.7	0.0	19.3	24.4

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
9	0	0	2	0	2	2	0	0
Total Hours of Downtime		13	Total Hours of Calibration		2	Total Hours of Flagged		15

2025 Hourly Data Graph



842-B STATION
VECTOR WIND SPEED (VWS) in kilometer per hour (km/hr)

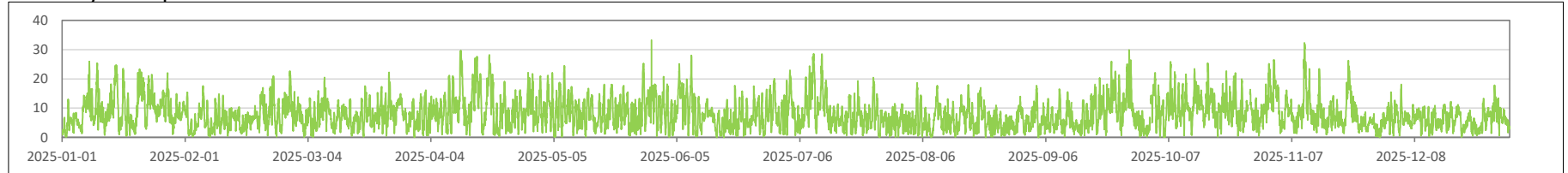
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 6	7 - 15	16 - 29	30 -39	>39
January	100.0	744	0.2	25.9	19.1	4.2	35.2%	50.0%	14.8%	0.0%	0.0%
February	100.0	672	0.2	22.7	14.8	2.4	49.1%	46.3%	4.6%	0.0%	0.0%
March	100.0	744	0.1	22.2	12.0	0.9	41.8%	55.4%	2.8%	0.0%	0.0%
April	100.0	720	0.3	29.7	20.1	5.2	32.2%	50.3%	17.4%	0.1%	0.0%
May	98.9	736	0.1	33.3	14.8	4.4	37.5%	50.8%	11.5%	0.1%	0.0%
June	100.0	720	0.0	28.0	15.6	2.6	44.7%	46.3%	9.0%	0.0%	0.0%
July	100.0	744	0.1	28.6	20.0	4.0	44.4%	46.0%	9.7%	0.0%	0.0%
August	100.0	744	0.0	18.6	11.5	1.8	59.7%	38.2%	2.2%	0.0%	0.0%
September	99.6	715	0.0	29.9	16.5	4.0	49.8%	40.3%	9.8%	0.1%	0.0%
October	98.3	731	0.1	25.9	14.8	4.8	26.5%	59.2%	14.2%	0.0%	0.0%
November	100.0	720	0.0	32.3	20.2	4.0	46.9%	41.0%	11.7%	0.4%	0.0%
December	100.0	744	0.1	18.0	10.1	2.2	54.7%	44.5%	0.8%	0.0%	0.0%
Annual	99.7	8734	0.0	33.3	20.2	2.8	43.5%	47.3%	9.0%	0.1%	0.0%

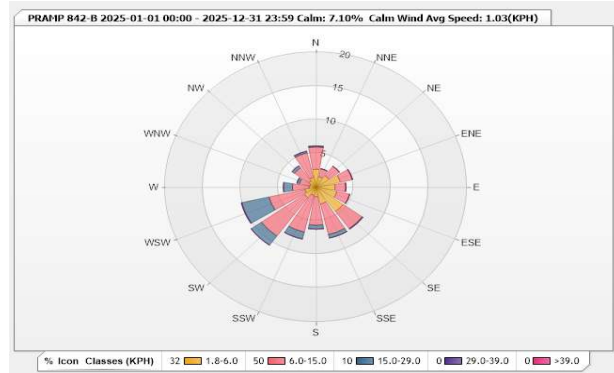
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
9	11	2	2	0	0	2	0	0
Total Hours of Downtime		24	Total Hours of Calibration		2	Total Hours of Flagged		26

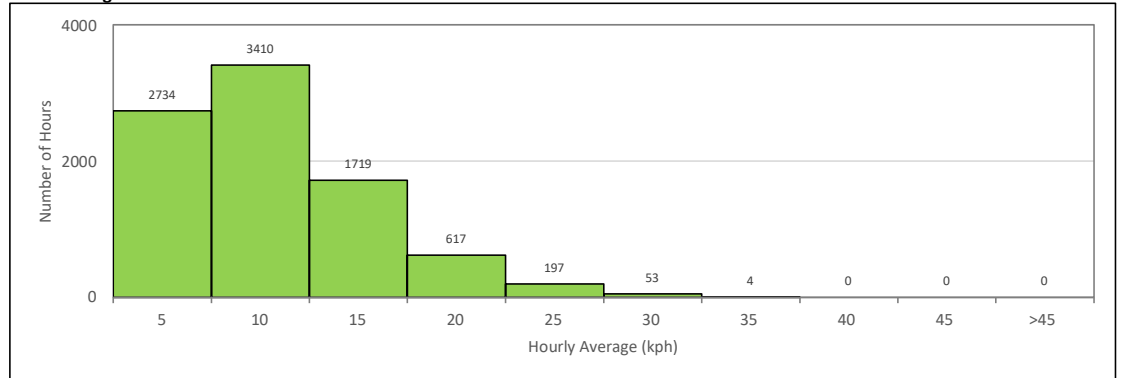
2025 Hourly Data Graph



2025 Wind Rose



2025 Histogram



1.3 Reno Station

1.3.1 Parameters Monitoring Summary

	SO2	TRS	THC	CH4	NMHC	RH	BP	AT	PRECIP
	ppb	ppb	ppm	ppm	ppm	%RH	mb	°C	mm
Minimum	0	0.00	1.82	1.82	0.00	12	917	-35.9	0.0
Min Date	2025-01-01 00:00	2025-09-09 09:00	2025-07-11 14:00	2025-07-11 14:00	2025-01-01 00:00	2025-05-05 18:00	2025-02-23 02:00	2025-02-03 08:00	2025-01-01 00:00
Maximum	4	6.33	3.43	3.43	0.07	100	967	32.2	3.7
Max Date	2025-02-05 23:00	2025-07-31 02:00	2025-06-07 23:00	2025-06-07 23:00	2025-02-02 04:00	2025-01-08 20:00	2025-01-17 22:00	2025-07-31 16:00	2025-08-20 00:00
Average	0.1	0.46	2.05	2.05	0.00	68.8	939	3.0	93.6*
# of Reading	8303	8155	7734	7734	7734	8699	8699	8699	8749
Valid Data [%]	94.8	93.1	88.3	88.3	88.3	99.3	99.3	99.3	99.9
Operational Uptime [%]	99.8	98.1	93.2	93.2	93.2	99.3	99.3	99.3	99.9
	VWS	VWD							
	KPH	Deg							
Minimum	0.0	0							
Min Date	2025-01-01 05:00	2025-01-01 05:00							
Maximum	49.7	360							
Max Date	2025-05-29 15:00	2025-02-14 14:00							
Average	3.0	228							
# of Reading	8675	8675							
Valid Data [%]	99.0	99.0							
Operational Uptime [%]	99.1	99.1							

* Total amounts were presented on the table

1.3.2 Monitoring Parameters – Continuous Data Summary and Frequency Distribution

Reno-B STATION **SULPHUR DIOXIDE (SO₂) in parts per billion (ppb)**

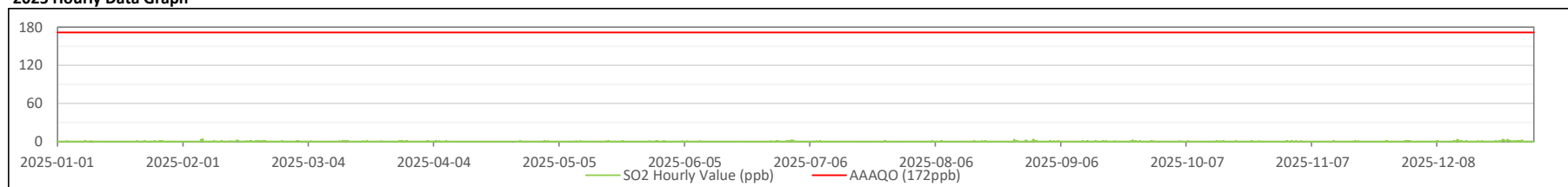
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	# of AAAQO Exceedances				Percentage Readings in Concentration Range				
							1-hour	24-hour	30-day	Annual	0 - 10	11 - 50	51 - 100	101 - 172	>172
January	99.3	702	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	638	0	4	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
March	100.0	706	0	1	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	684	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
May	100.0	704	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.4	680	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
July	99.9	706	0	2	1	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
August	99.5	704	0	3	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	682	0	2	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
October	100.0	708	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	684	0	1	0	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
December	100.0	705	0	3	2	0.2	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	99.8	8303	0	4	2	0.1	0	0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%

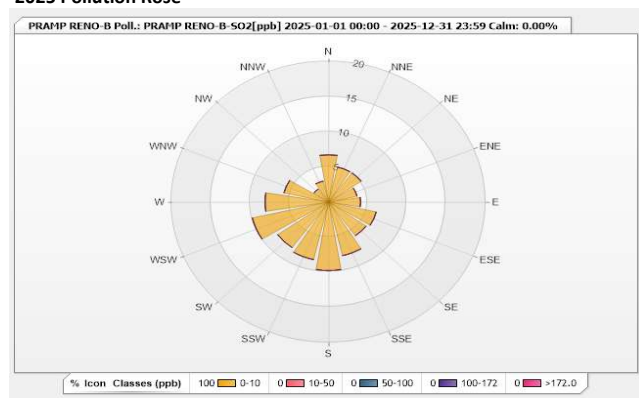
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
13	0	0	0	0	1	60	380	3
Total Hours of Downtime		14	Total Hours of Calibration		443	Total Hours of Flagged		457

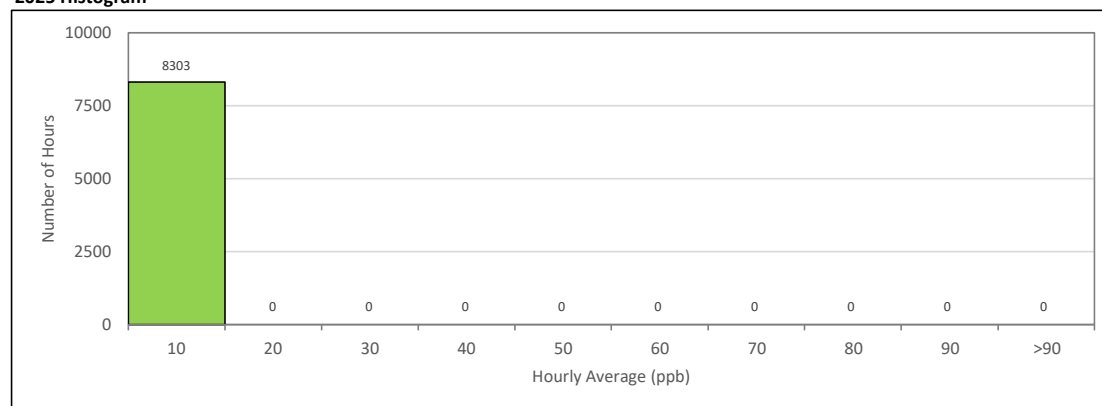
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Reno-B STATION **TOTAL REDUCED SULPHUR (TRS) in parts per billion (ppb)**

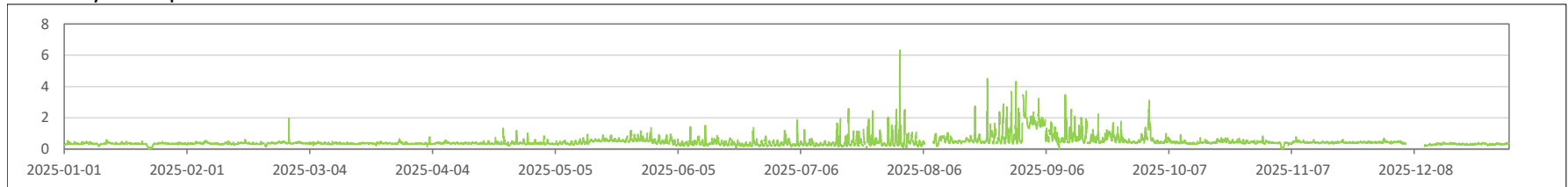
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 50	>50
January	99.3	702	0.01	0.58	0.40	0.33	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	639	0.17	1.96	0.47	0.37	100.0%	0.0%	0.0%	0.0%	0.0%
March	100.0	706	0.21	0.65	0.44	0.36	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	684	0.15	1.32	0.46	0.37	100.0%	0.0%	0.0%	0.0%	0.0%
May	100.0	704	0.26	1.37	0.68	0.50	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.3	679	0.06	1.52	0.58	0.37	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	707	0.08	6.33	0.84	0.46	99.3%	0.6%	0.1%	0.0%	0.0%
August	93.1	660	0.08	4.49	1.59	0.68	97.3%	2.7%	0.0%	0.0%	0.0%
September	100.0	682	0.00	3.70	1.85	0.87	99.4%	0.6%	0.0%	0.0%	0.0%
October	100.0	708	0.32	3.11	1.23	0.49	99.3%	0.7%	0.0%	0.0%	0.0%
November	100.0	684	0.00	0.78	0.54	0.41	100.0%	0.0%	0.0%	0.0%	0.0%
December	85.1	600	0.17	0.53	0.44	0.33	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	98.1	8155	0.00	6.33	1.85	0.46	99.6%	0.4%	0.0%	0.0%	0.0%

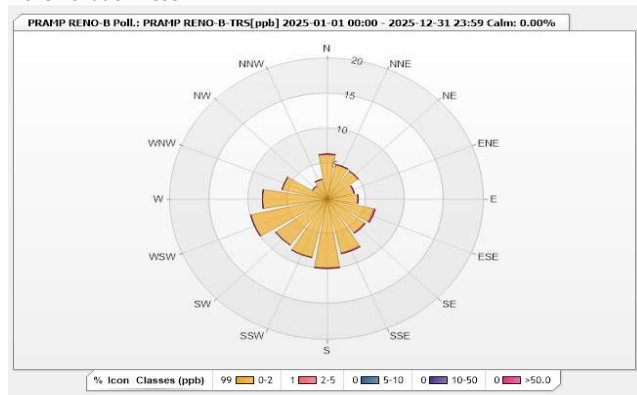
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
9	133	0	0	0	30	57	373	3
Total Hours of Downtime		172	Total Hours of Calibration		433	Total Hours of Flagged		605

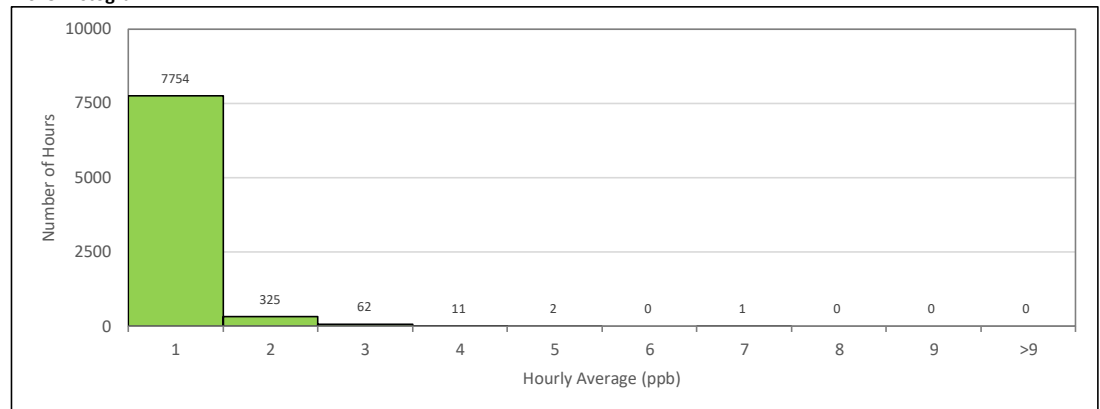
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Reno-B STATION
TOTAL REDUCED SULPHUR (TRS) in parts per billion (ppb)

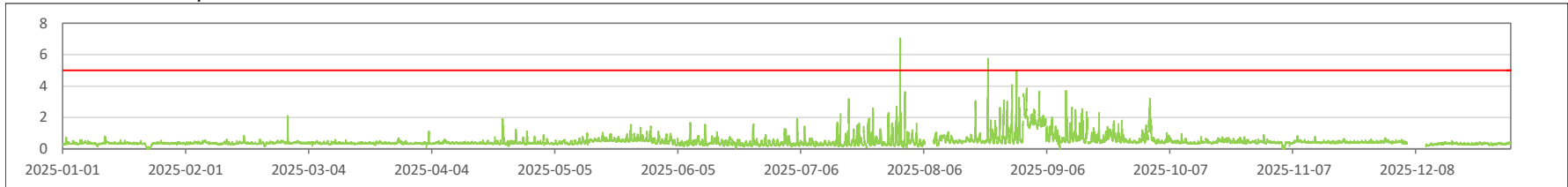
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 30-min	Max. 30-min	Max. 24-hr	Monthly Avg.	# of AAAQO 30-min	Percentage Readings in Concentration Range				
								0 - 2	3 - 5	6 - 10	11 - 50	>50
January	99.3	1404	0.00	0.79	0.40	0.33	0	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	1279	0.00	2.08	0.47	0.37	0	100.0%	0.0%	0.0%	0.0%	0.0%
March	100.0	1414	0.18	0.68	0.44	0.36	0	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	1370	0.00	1.91	0.46	0.37	0	100.0%	0.0%	0.0%	0.0%	0.0%
May	100.0	1411	0.21	1.54	0.68	0.50	0	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.4	1359	0.00	1.67	0.58	0.37	0	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	1415	0.08	6.97	0.84	0.46	2	99.5%	0.4%	0.1%	0.0%	0.0%
August	93.2	1320	0.08	5.76	1.59	0.68	1	97.6%	2.3%	0.1%	0.0%	0.0%
September	100.0	1366	0.00	3.86	1.85	0.87	0	98.8%	1.2%	0.0%	0.0%	0.0%
October	100.0	1415	0.31	3.21	1.24	0.49	0	99.4%	0.6%	0.0%	0.0%	0.0%
November	100.0	1368	0.00	0.81	0.54	0.41	0	100.0%	0.0%	0.0%	0.0%	0.0%
December	85.1	1200	0.17	0.59	0.44	0.33	0	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	98.1	16321	0.00	6.97	1.85	0.46	3	99.6%	0.4%	0.0%	0.0%	0.0%

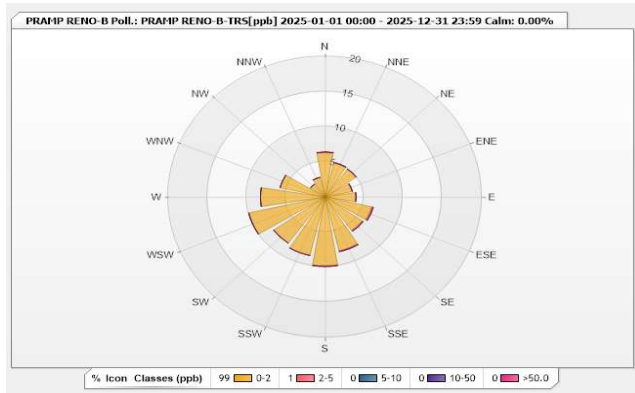
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
17	266	0	0	0	59	106	746	5
Total Hours of Downtime		342	Total Hours of Calibration		857	Total Hours of Flagged		1199

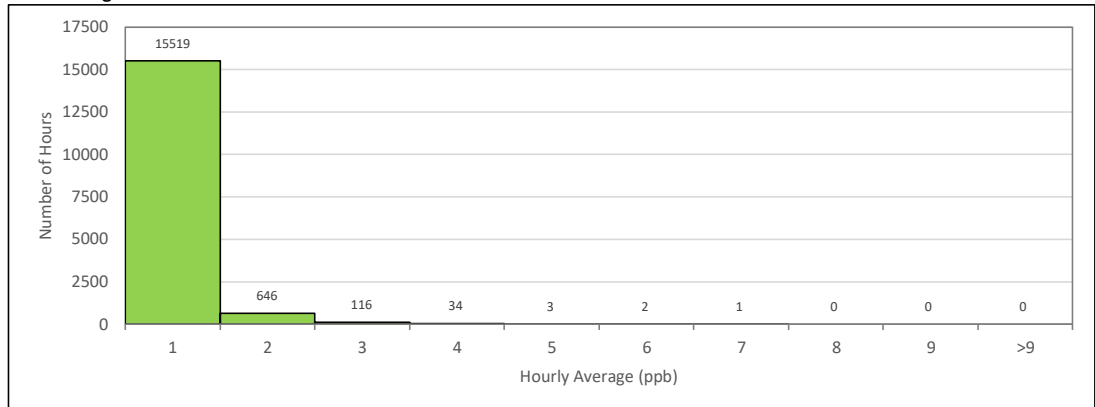
2025 30-Minute Data Graph



2025 Pollution Rose



2025 Histogram



Reno-B STATION
TOTAL HYDROCARBONS (THC) in parts per million (ppm)

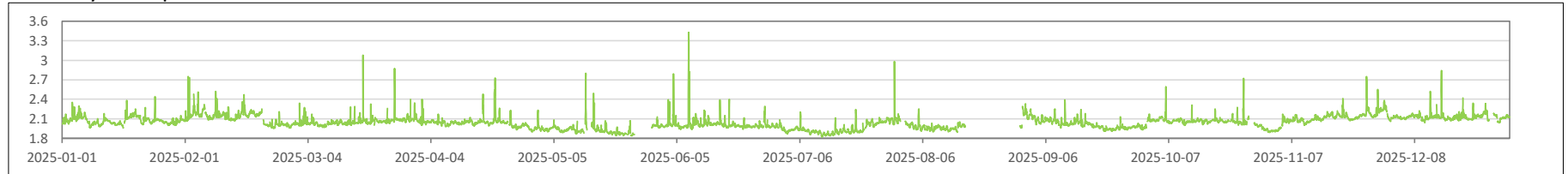
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 40	>40
January	98.7	696	1.96	2.44	2.17	2.07	99.9%	0.1%	0.0%	0.0%	0.0%
February	100.0	639	1.95	2.75	2.24	2.12	98.4%	1.6%	0.0%	0.0%	0.0%
March	100.0	706	1.97	3.08	2.13	2.06	99.6%	0.4%	0.0%	0.0%	0.0%
April	99.0	677	1.90	2.72	2.21	2.04	98.8%	1.2%	0.0%	0.0%	0.0%
May	81.5	570	1.84	2.80	2.00	1.93	99.5%	0.5%	0.0%	0.0%	0.0%
June	99.2	678	1.94	3.43	2.12	2.01	99.1%	0.9%	0.0%	0.0%	0.0%
July	97.3	688	1.82	2.98	2.11	1.95	99.9%	0.1%	0.0%	0.0%	0.0%
August	52.7	370	1.89	2.33	2.19	NA	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	683	1.91	2.39	2.16	2.02	100.0%	0.0%	0.0%	0.0%	0.0%
October	93.5	661	1.92	2.72	2.13	2.06	99.5%	0.5%	0.0%	0.0%	0.0%
November	100.0	685	1.89	2.75	2.29	2.11	99.4%	0.6%	0.0%	0.0%	0.0%
December	96.5	681	2.04	2.84	2.20	2.13	99.1%	0.9%	0.0%	0.0%	0.0%
Annual	93.2	7734	1.82	3.43	2.29	2.05	99.4%	0.6%	0.0%	0.0%	0.0%

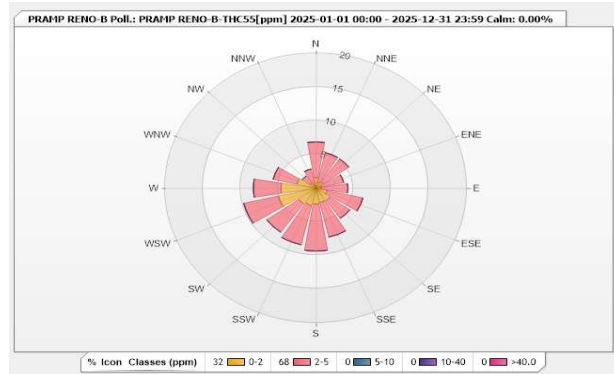
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
13	541	4	1	0	48	58	358	3
Total Hours of Downtime		607	Total Hours of Calibration		419	Total Hours of Flagged		1026

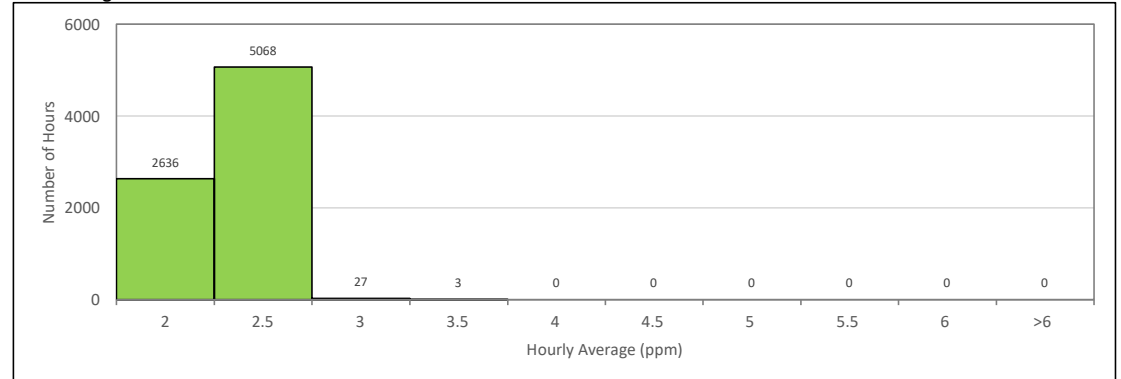
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Reno-B STATION **METHANE (CH₄) in parts per million (ppm)**

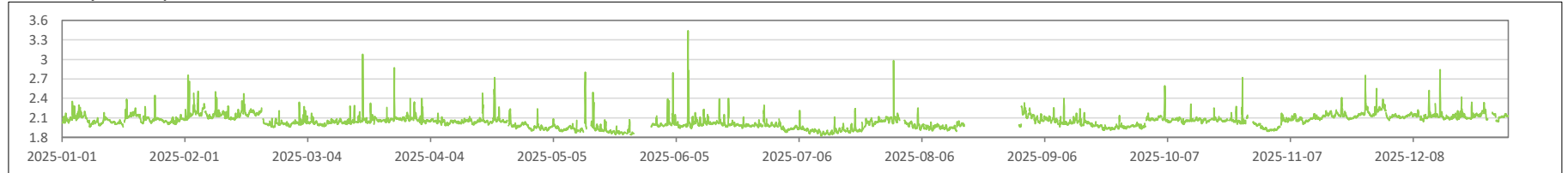
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 20	>20
January	98.7	696	1.96	2.44	2.17	2.07	99.9%	0.1%	0.0%	0.0%	0.0%
February	100.0	639	1.95	2.75	2.24	2.12	98.4%	1.6%	0.0%	0.0%	0.0%
March	100.0	706	1.97	3.08	2.13	2.06	99.6%	0.4%	0.0%	0.0%	0.0%
April	99.0	677	1.90	2.72	2.21	2.04	98.8%	1.2%	0.0%	0.0%	0.0%
May	81.5	570	1.84	2.80	2.00	1.93	99.5%	0.5%	0.0%	0.0%	0.0%
June	99.2	678	1.94	3.43	2.12	2.01	99.1%	0.9%	0.0%	0.0%	0.0%
July	97.3	688	1.82	2.98	2.11	1.95	99.9%	0.1%	0.0%	0.0%	0.0%
August	52.7	370	1.89	2.33	2.19	NA	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	683	1.91	2.39	2.16	2.02	100.0%	0.0%	0.0%	0.0%	0.0%
October	93.5	661	1.92	2.72	2.13	2.06	99.5%	0.5%	0.0%	0.0%	0.0%
November	100.0	685	1.89	2.75	2.29	2.11	99.4%	0.6%	0.0%	0.0%	0.0%
December	96.5	681	2.04	2.84	2.20	2.13	99.1%	0.9%	0.0%	0.0%	0.0%
Annual	93.2	7734	1.82	3.43	2.29	2.05	99.4%	0.6%	0.0%	0.0%	0.0%

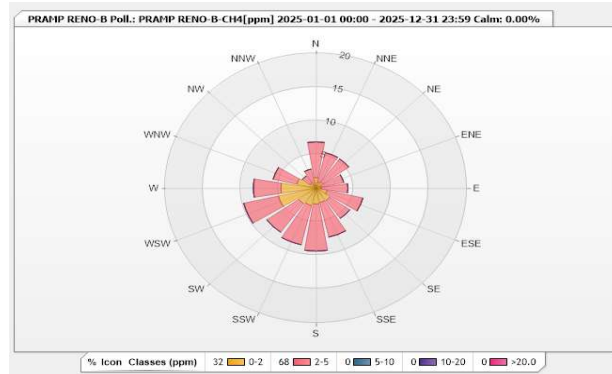
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
13	541	4	1	0	48	58	358	3
Total Hours of Downtime		607	Total Hours of Calibration		419	Total Hours of Flagged		1026

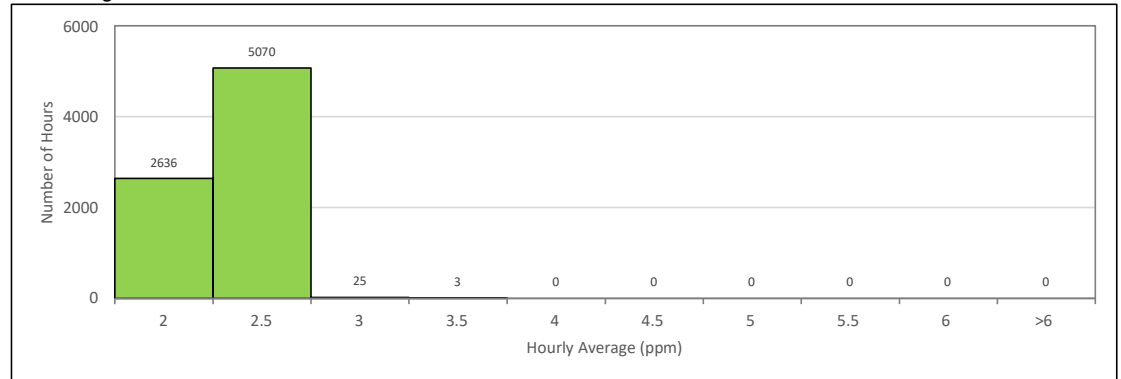
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Reno-B STATION
NON-METHANE HYDROCARBONS (NMHC) in parts per million (ppm)

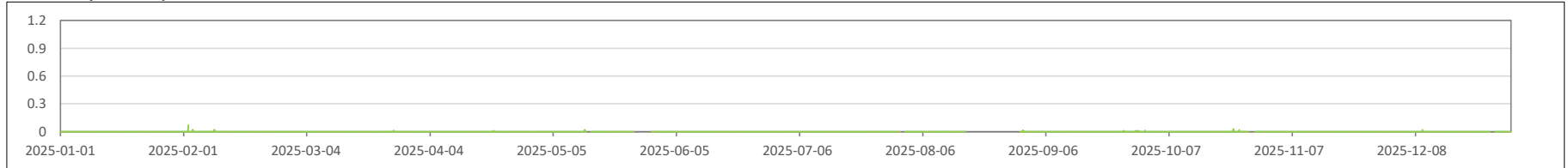
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 0.1	0.2 - 0.3	0.4 - 0.9	1 - 2	>2
January	98.7	696	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	639	0.00	0.07	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
March	100.0	706	0.00	0.01	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
April	99.0	677	0.00	0.01	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
May	81.5	570	0.00	0.02	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.2	678	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
July	97.3	688	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
August	52.7	370	0.00	0.01	0.00	NA	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	683	0.00	0.01	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
October	93.5	661	0.00	0.03	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	685	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
December	96.5	681	0.00	0.02	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	93.2	7734	0.00	0.07	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%

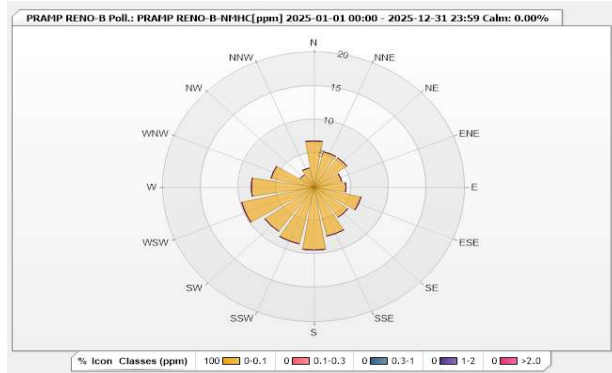
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
13	541	4	1	0	48	58	358	3
Total Hours of Downtime		607	Total Hours of Calibration		419	Total Hours of Flagged		1026

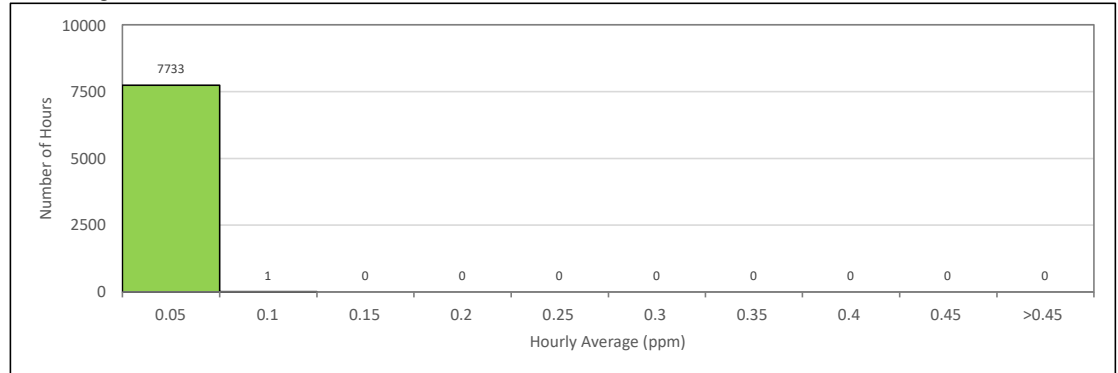
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Reno-B STATION
RELATIVE HUMIDITY (RH) in percent (%)

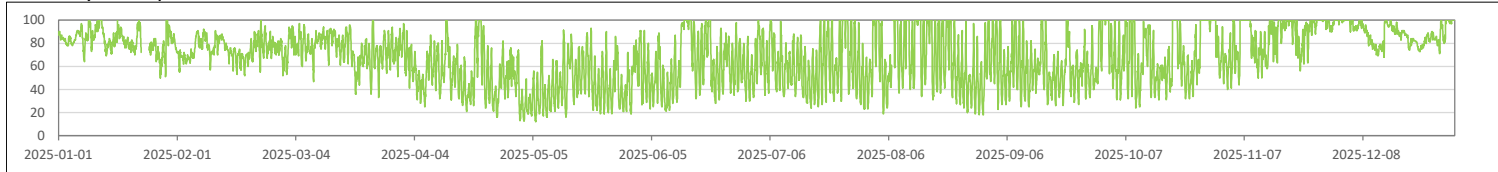
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	92.6	689	82.7	50	100	96
February	100.0	672	74.7	52	100	85
March	100.0	744	75.2	33	100	87
April	100.0	720	55.3	16	100	89
May	100.0	744	43.7	12	93	67
June	99.7	718	61.2	21	100	98
July	100.0	744	61.6	23	100	98
August	99.5	740	67.1	18	100	99
September	100.0	720	59.6	23	100	85
October	100.0	744	70.7	24	100	100
November	100.0	720	85.4	40	100	100
December	100.0	744	88.7	68	100	100
Annual	99.3	8699	68.8	12	100	100

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
11	0	0	50	0	0	0	0	0
Total Hours of Downtime		61	Total Hours of Calibration		0	Total Hours of Flagged		61

2025 Hourly Data Graph



Reno-B STATION
AMBIENT TEMPERATURE (AT) in degree celsius (°C)

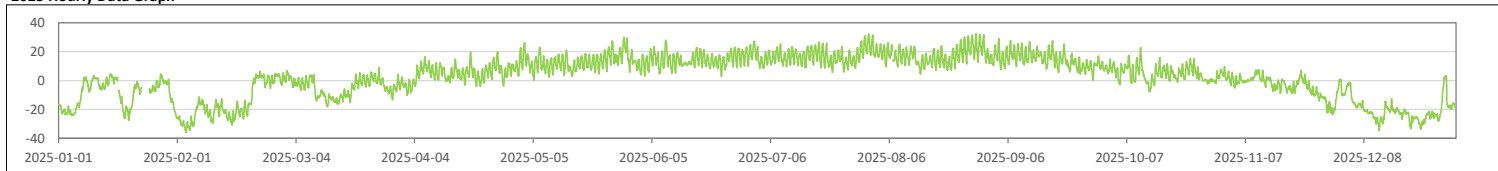
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	92.6	689	-9.1	-27.4	4.8	2.2
February	100.0	672	-15.5	-35.9	6.3	3.5
March	100.0	744	-4.4	-18.0	9.1	3.1
April	100.0	720	5.2	-10.3	20.0	13.1
May	100.0	744	13.4	0.4	29.9	22.0
June	99.7	718	14.3	2.9	28.0	19.3
July	100.0	744	16.9	5.8	32.2	25.5
August	99.5	740	17.9	4.5	32.2	24.7
September	100.0	720	14.8	0.1	29.1	20.0
October	100.0	744	5.1	-7.6	22.7	12.5
November	100.0	720	-3.5	-23.5	9.6	4.9
December	100.0	744	-19.6	-34.7	3.4	-2.5
Annual	99.3	8699	3.0	-35.9	32.2	25.5

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
11	0	0	50	0	0	0	0	0
Total Hours of Downtime		61	Total Hours of Calibration		0	Total Hours of Flagged		61

2025 Hourly Data Graph



Reno-B STATION
BAROMETRIC PRESSURE (BP) in millibar (mb)

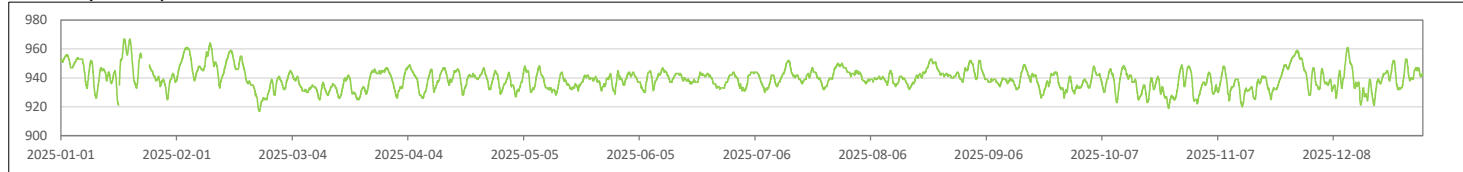
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	92.6	689	945	921	967	963
February	100.0	672	944	917	964	960
March	100.0	744	935	925	947	946
April	100.0	720	939	926	949	948
May	100.0	744	937	927	948	946
June	99.7	718	939	930	947	945
July	100.0	744	941	930	952	949
August	99.5	740	941	932	953	952
September	100.0	720	939	926	952	950
October	100.0	744	936	919	949	947
November	100.0	720	938	920	959	958
December	100.0	744	939	921	961	955
Annual	99.3	8699	939	917	967	963

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
11	0	0	50	0	0	0	0	0
Total Hours of Downtime		61	Total Hours of Calibration		0	Total Hours of Flagged		61

2025 Hourly Data Graph



Reno-B STATION
PRECIPITATION in millimeter (mm)

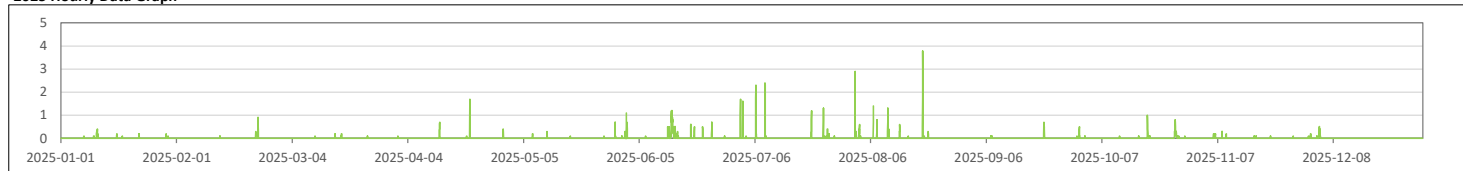
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Mthly Total	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	99.3	739	3.4	0.0	0.4	1.6
February	100.0	672	1.8	0.0	0.9	1.7
March	100.0	744	0.8	0.0	0.2	0.4
April	100.0	720	5.1	0.0	1.7	2.4
May	100.0	744	1.8	0.0	0.7	0.8
June	99.7	718	24.6	0.0	1.2	10.4
July	100.0	744	17.7	0.0	2.4	4.7
August	99.5	740	21.0	0.0	3.7	3.9
September	100.0	720	3.5	0.0	0.7	2.2
October	100.0	744	8.3	0.0	1.0	4.3
November	100.0	720	2.6	0.0	0.3	0.9
December	100.0	744	3.0	0.0	0.5	2.3
Annual	99.9	8749	93.6	0.0	3.7	10.4

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
11	0	0	0	0	0	0	0	0
Total Hours of Downtime		11	Total Hours of Calibration		0	Total Hours of Flagged		11

2025 Hourly Data Graph



Reno-B STATION
VECTOR WIND SPEED (VWS) in kilometer per hour (km/hr)

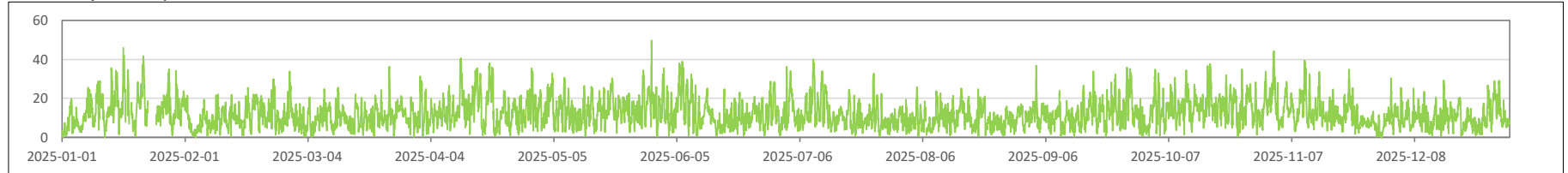
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 6	7 - 15	16 - 29	30 -39	>39
January	89.7	667	0.0	46.0	28.1	4.8	19.2%	41.7%	34.5%	4.0%	0.6%
February	100.0	672	0.1	33.9	20.5	2.8	26.8%	52.7%	19.8%	0.7%	0.0%
March	100.0	744	0.3	36.2	15.9	1.3	26.1%	58.9%	14.7%	0.4%	0.0%
April	100.0	720	0.4	40.4	27.4	6.0	17.5%	45.3%	30.8%	6.0%	0.4%
May	100.0	744	0.3	49.7	22.9	5.5	13.4%	47.3%	36.8%	2.2%	0.3%
June	99.7	718	0.6	38.8	23.2	3.6	21.3%	49.4%	26.3%	2.9%	0.0%
July	100.0	744	0.4	39.9	25.4	4.1	20.3%	58.9%	17.6%	3.1%	0.1%
August	99.5	740	0.4	25.7	17.2	2.7	29.9%	56.2%	13.9%	0.0%	0.0%
September	100.0	718	0.2	36.8	25.3	4.7	18.0%	56.8%	21.7%	3.5%	0.0%
October	100.0	744	0.4	37.5	23.6	5.3	11.7%	41.9%	42.9%	3.5%	0.0%
November	100.0	720	0.0	44.2	29.5	4.9	16.7%	55.8%	23.8%	3.1%	0.7%
December	100.0	744	0.6	30.3	19.1	3.2	26.7%	55.1%	18.0%	0.1%	0.0%
Annual	99.1	8675	0.0	49.7	29.5	3.0	20.6%	51.7%	25.1%	2.5%	0.2%

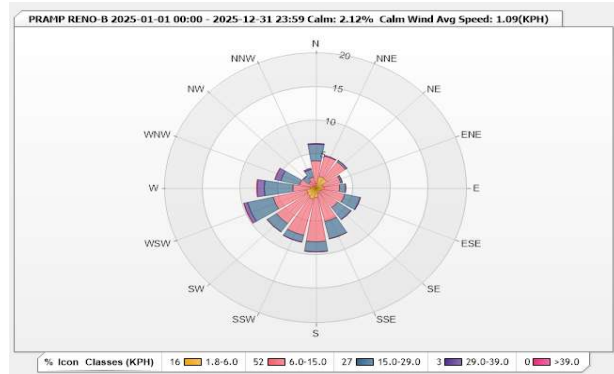
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
11	22	0	50	0	0	2	0	0
Total Hours of Downtime		83	Total Hours of Calibration		2	Total Hours of Flagged		85

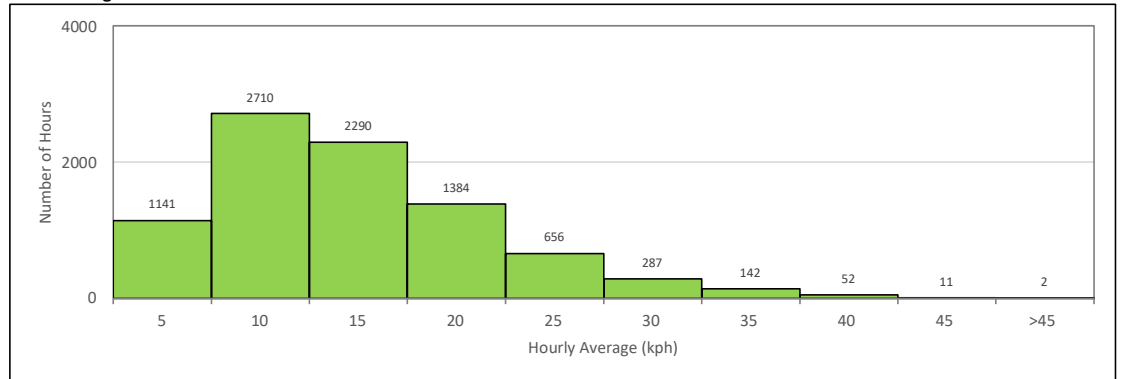
2025 Hourly Data Graph



2025 Wind Rose



2025 Histogram



1.4 PRC Station

1.4.1 Parameters Monitoring Summary

	SO2	H2S	TRS	THC	CH4	NMHC	RH	BP	AT
	ppb	ppb	ppb	ppm	ppm	ppm	%RH	mb	°C
Minimum	0	0	0	1.90	1.90	0.00	14	917	-39.6
Min Date	2025-01-01 00:00	2025-01-01 00:00	2025-01-01 00:00	2025-07-02 11:00	2025-07-02 11:00	2025-01-01 00:00	2025-05-01 18:00	2025-02-23 03:00	2025-12-12 05:00
Maximum	12	16	15	3.00	2.74	0.59	100	967	32.7
Max Date	2025-05-26 13:00	2025-04-21 04:00	2025-04-21 04:00	2025-06-03 03:00	2025-04-21 04:00	2025-06-03 03:00	2025-01-08 07:00	2025-01-17 21:00	2025-07-31 14:00
Average	0.1	0.0	0.2	2.04	2.03	0.00	68.9	941	2.5
# of Reading	8275	8017	8209	7636	7636	7636	8759	8759	8759
Valid Data [%]	94.5	91.5	93.7	87.2	87.2	87.2	100.0	100.0	100.0
Operational Uptime [%]	99.5	96.6	98.8	92.0	92.0	92.0	100.0	100.0	100.0
	VWS	VWD							
	KPH	Deg							
Minimum	0.0	0							
Min Date	2025-01-02 02:00	2025-01-16 18:00							
Maximum	35.7	360							
Max Date	2025-07-09 13:00	2025-01-01 05:00							
Average	4.0	226							
# of Reading	8728	8728							
Valid Data [%]	99.6	99.6							
Operational Uptime [%]	99.7	99.7							

1.4.2 Monitoring Parameters – Continuous Data Summary and Frequency Distribution

**Peace River Complex (PRC) Station
SULPHUR DIOXIDE (SO₂) in parts per billion (ppb)**

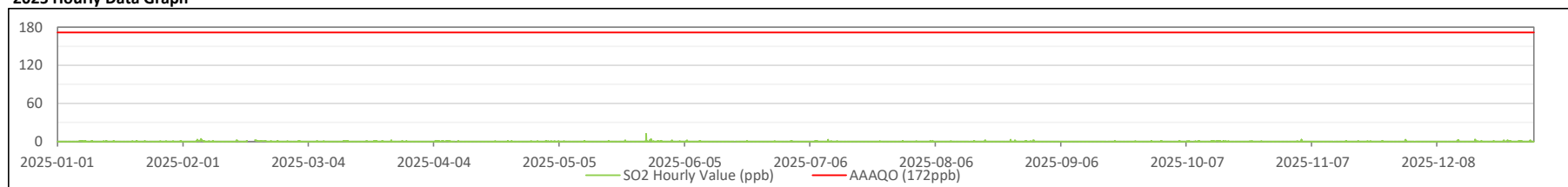
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	# of AAAQO Exceedances				Percentage Readings in Concentration Range				
							1-hour	24-hour	30-day	Annual	0 - 10	11 - 50	51 - 100	101 - 172	>172
January	100.0	707	0	1	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
February	93.9	600	0	4	2	0.3	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
March	99.9	706	0	2	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	682	0	1	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
May	100.0	704	0	12	1	0.1	0	0	0	-	99.9%	0.1%	0.0%	0.0%	0.0%
June	100.0	683	0	2	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	708	0	3	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	707	0	3	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	684	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
October	100.0	706	0	1	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	683	0	3	1	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
December	100.0	705	0	3	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	99.5	8275	0	12	2	0.1	0	0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%

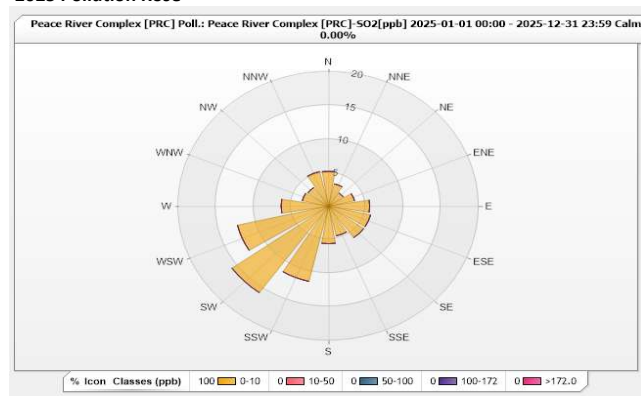
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	41	1	0	0	0	62	378	3
Total Hours of Downtime		42	Total Hours of Calibration		443	Total Hours of Flagged		485

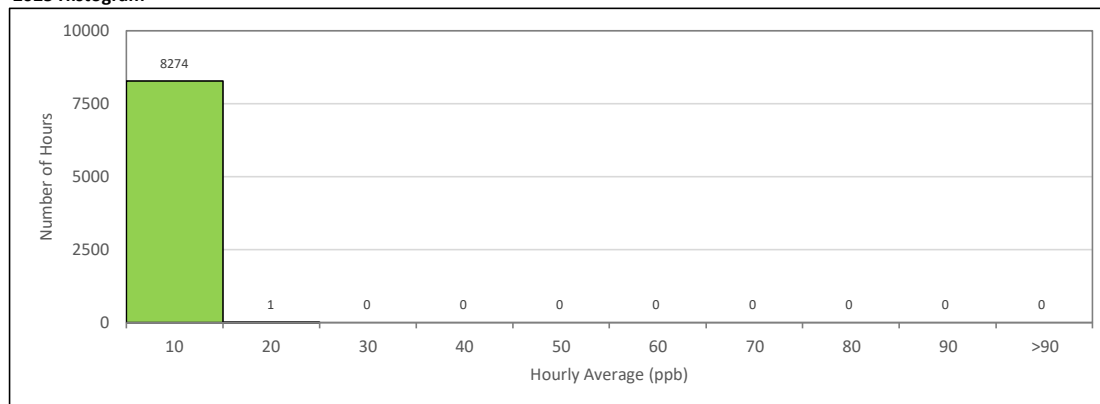
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Peace River Complex (PRC) Station
HYDROGEN SULPHIDE (H₂S) in parts per billion (ppb)

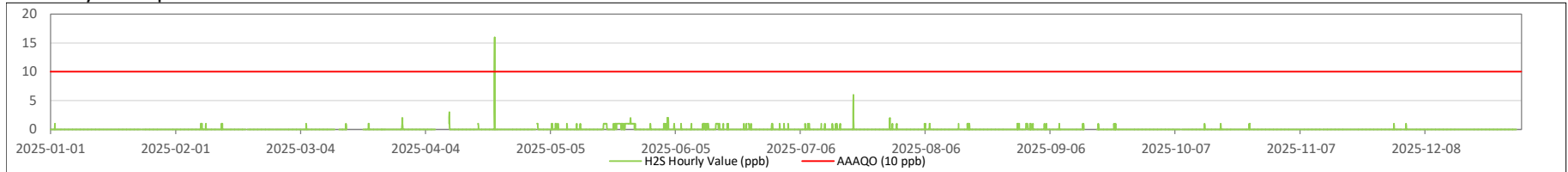
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	# of AAAQO Exceedances		Percentage Readings in Concentration Range				
							1-hour	24-hour	0 - 2	3 - 5	6 - 10	11 - 50	>50
January	100.0	707	0	1	0	0.0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
February	99.3	631	0	1	0	0.0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
March	84.0	591	0	2	0	0.0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
April	90.3	610	0	16	1	0.0	1	0	99.5%	0.3%	0.0%	0.2%	0.0%
May	99.2	697	0	2	1	0.2	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
June	100.0	683	0	2	1	0.1	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
July	100.0	708	0	6	0	0.0	0	0	99.7%	0.1%	0.1%	0.0%	0.0%
August	100.0	707	0	1	0	0.0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
September	90.1	616	0	1	0	0.0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
October	100.0	706	0	1	0	0.0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	683	0	0	0	0.0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
December	96.2	678	0	1	0	0.0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	96.6	8017	0	16	1	0.0	1	0	99.9%	0.0%	0.0%	0.0%	0.0%

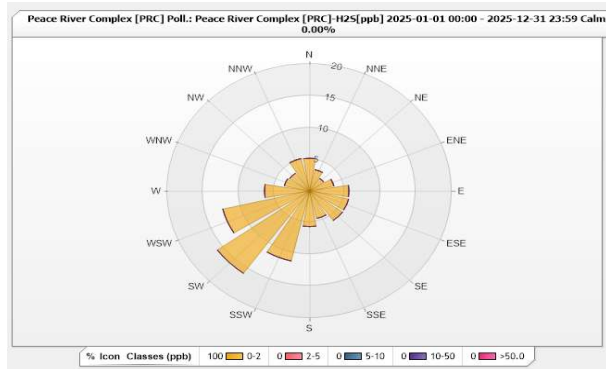
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	238	1	0	0	60	73	368	3
Total Hours of Downtime		299	Total Hours of Calibration		444	Total Hours of Flagged		743

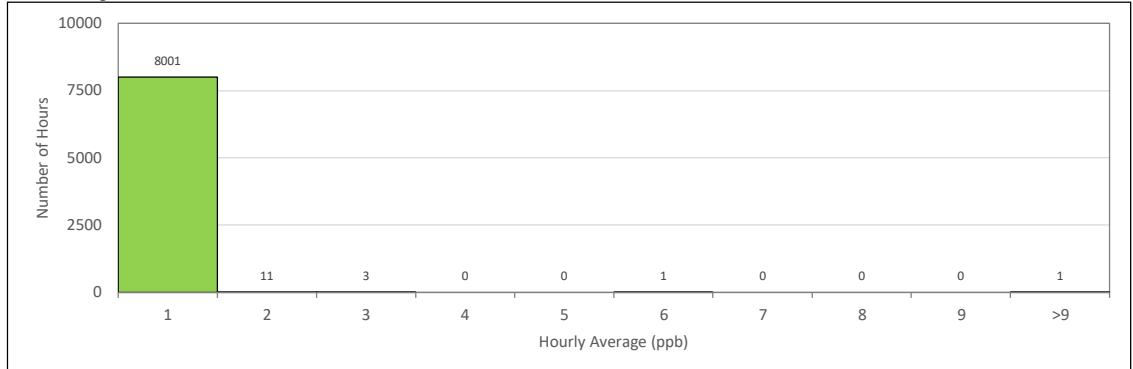
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Peace River Complex (PRC) Station
TOTAL REDUCED SULPHUR (TRS) in parts per billion (ppb)

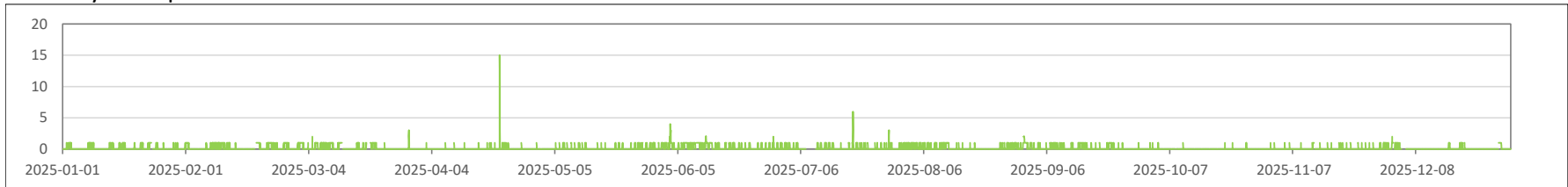
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 50	>50
January	100.0	707	0	1	1	0.1	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	636	0	1	1	0.2	100.0%	0.0%	0.0%	0.0%	0.0%
March	96.9	685	0	3	1	0.2	99.9%	0.1%	0.0%	0.0%	0.0%
April	100.0	682	0	15	1	0.1	99.7%	0.1%	0.0%	0.1%	0.0%
May	100.0	704	0	1	0	0.1	100.0%	0.0%	0.0%	0.0%	0.0%
June	100.0	683	0	4	1	0.3	99.6%	0.4%	0.0%	0.0%	0.0%
July	92.3	655	0	6	1	0.2	99.5%	0.3%	0.2%	0.0%	0.0%
August	100.0	707	0	2	1	0.2	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	684	0	1	1	0.2	100.0%	0.0%	0.0%	0.0%	0.0%
October	100.0	706	0	1	0	0.0	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	683	0	1	1	0.1	100.0%	0.0%	0.0%	0.0%	0.0%
December	96.1	677	0	2	1	0.1	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	98.8	8209	0	15	1	0.2	99.9%	0.1%	0.0%	0.0%	0.0%

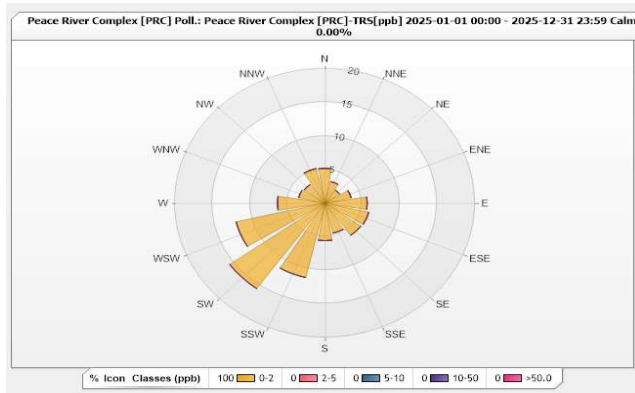
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	57	1	0	0	51	65	374	3
Total Hours of Downtime		109	Total Hours of Calibration		442	Total Hours of Flagged		551

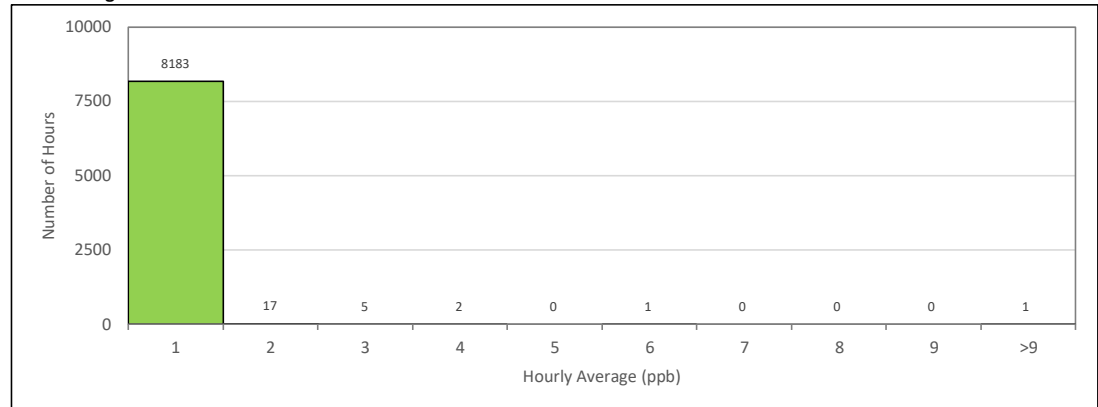
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Peace River Complex (PRC) Station
TOTAL REDUCED SULPHUR (TRS) in parts per billion (ppb)

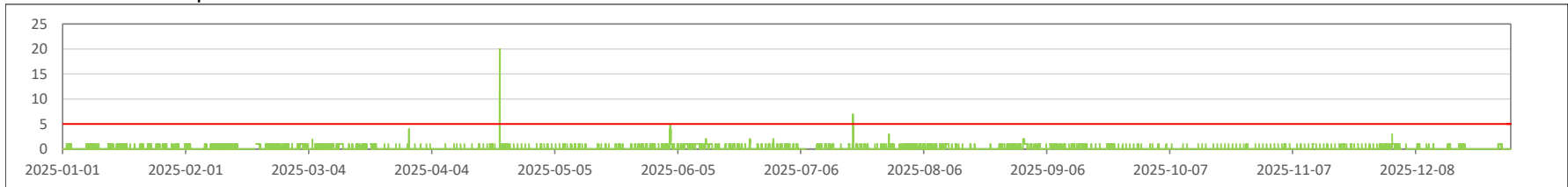
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 30-min	Max. 30-min	Max. 24-hr	Monthly Avg.	# of AAAQO 30-min	Percentage Readings in Concentration Range				
								0 - 2	3 - 5	6 - 10	11 - 50	>50
January	100.0	1415	0	1	1	0.2	0	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	1273	0	1	1	0.2	0	100.0%	0.0%	0.0%	0.0%	0.0%
March	97.0	1372	0	4	1	0.2	0	99.9%	0.1%	0.0%	0.0%	0.0%
April	100.0	1364	0	20	1	0.1	2	99.8%	0.1%	0.1%	0.1%	0.0%
May	100.0	1407	0	1	1	0.1	0	100.0%	0.0%	0.0%	0.0%	0.0%
June	100.0	1367	0	5	1	0.3	0	99.6%	0.4%	0.0%	0.0%	0.0%
July	92.3	1309	0	7	1	0.2	1	99.6%	0.3%	0.1%	0.0%	0.0%
August	100.0	1415	0	2	1	0.2	0	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	1367	0	1	1	0.2	0	100.0%	0.0%	0.0%	0.0%	0.0%
October	100.0	1414	0	1	0	0.0	0	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	1367	0	1	1	0.1	0	100.0%	0.0%	0.0%	0.0%	0.0%
December	96.2	1355	0	3	1	0.1	0	99.9%	0.1%	0.0%	0.0%	0.0%
Annual	98.8	16425	0	20	1	0.2	3	99.9%	0.1%	0.0%	0.0%	0.0%

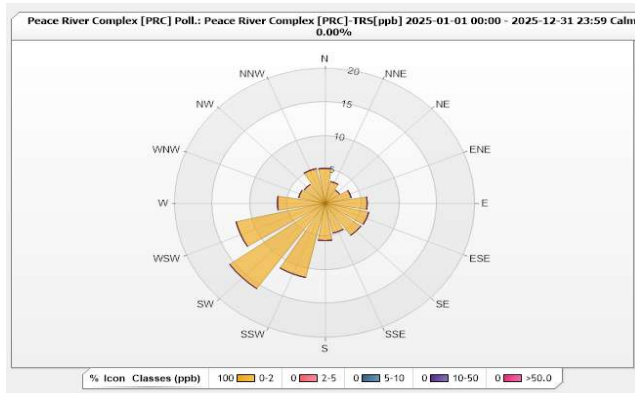
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	114	2	0	0	100	124	748	7
Total Hours of Downtime		216	Total Hours of Calibration		879	Total Hours of Flagged		1095

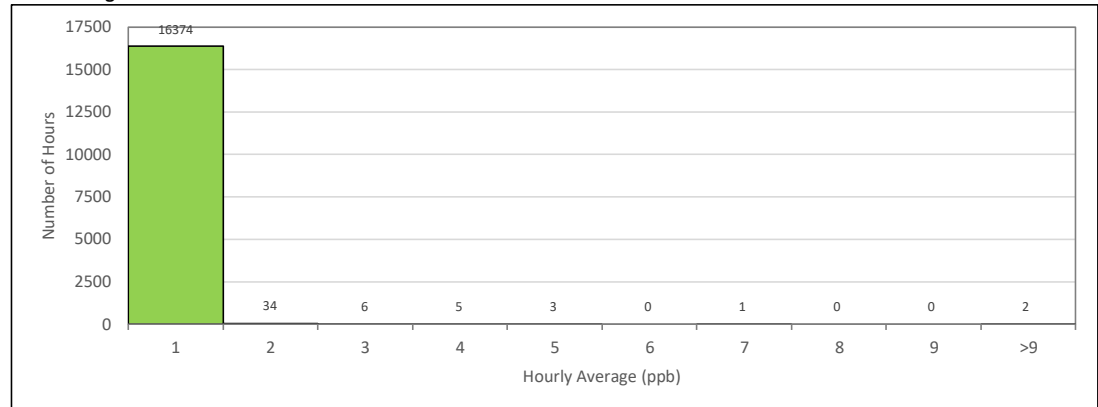
2025 30-Minute Data Graph



2025 Pollution Rose



2025 Histogram



Peace River Complex (PRC) Station
TOTAL HYDROCARBONS (THC) in parts per million (ppm)

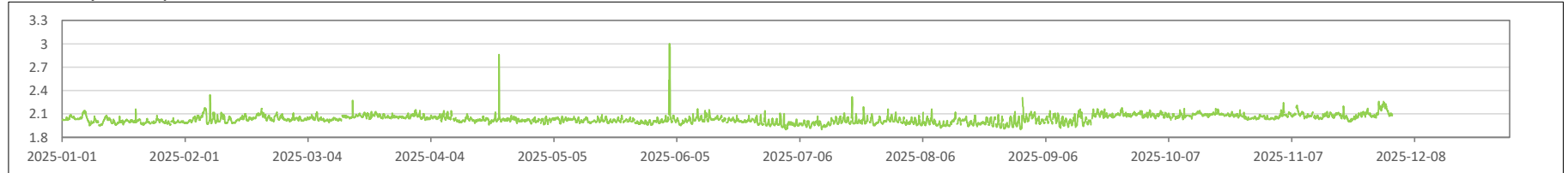
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 40	>40
January	100.0	707	1.95	2.16	2.11	2.01	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	639	1.97	2.34	2.11	2.04	100.0%	0.0%	0.0%	0.0%	0.0%
March	99.9	707	1.99	2.27	2.09	2.06	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	684	1.96	2.86	2.08	2.03	99.9%	0.1%	0.0%	0.0%	0.0%
May	100.0	706	1.96	2.09	2.04	2.01	100.0%	0.0%	0.0%	0.0%	0.0%
June	100.0	684	1.94	3.00	2.21	2.02	99.3%	0.7%	0.0%	0.0%	0.0%
July	99.3	702	1.90	2.32	2.04	2.00	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	707	1.90	2.31	2.08	1.99	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	683	1.92	2.18	2.11	2.05	100.0%	0.0%	0.0%	0.0%	0.0%
October	99.2	701	2.02	2.17	2.12	2.08	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	684	2.00	2.26	2.21	2.09	100.0%	0.0%	0.0%	0.0%	0.0%
December	5.2	32	2.07	2.17	2.11	NA	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	92.0	7636	1.90	3.00	2.21	2.04	99.9%	0.1%	0.0%	0.0%	0.0%

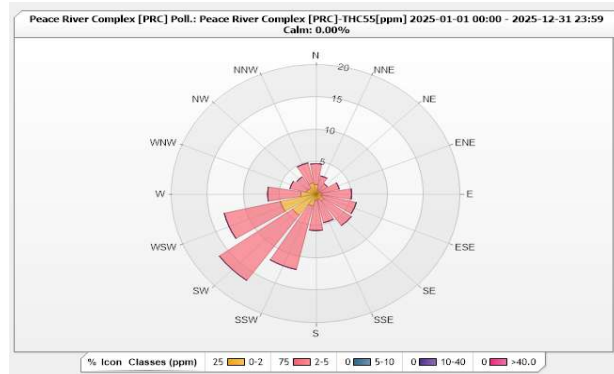
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	695	1	0	0	21	57	348	2
Total Hours of Downtime		717	Total Hours of Calibration		407	Total Hours of Flagged		1124

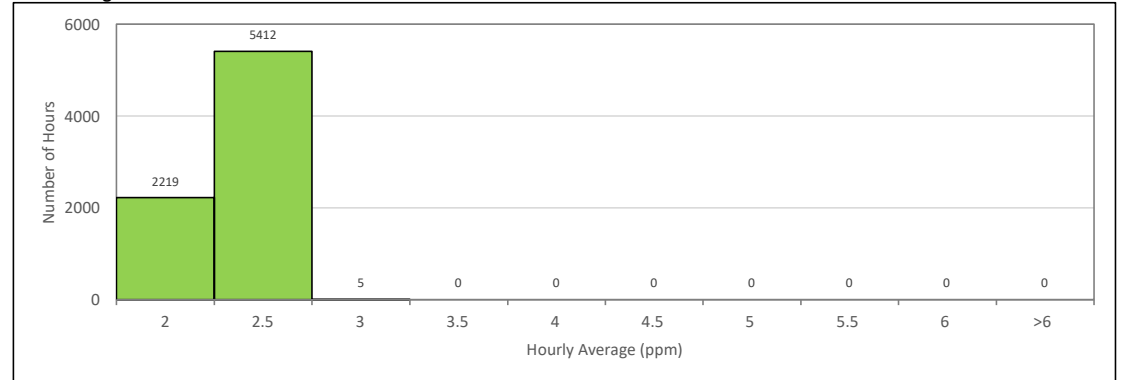
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Peace River Complex (PRC) Station
METHANE (CH₄) in parts per million (ppm)

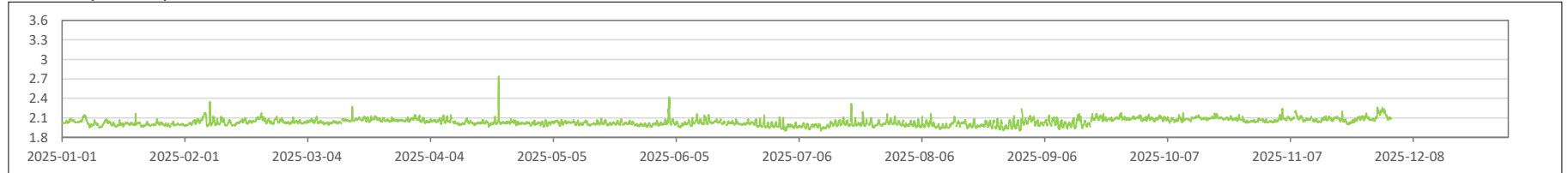
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 20	>20
January	100.0	707	1.95	2.16	2.11	2.01	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	639	1.97	2.34	2.11	2.04	100.0%	0.0%	0.0%	0.0%	0.0%
March	99.9	707	1.99	2.27	2.09	2.06	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	684	1.96	2.74	2.07	2.03	99.9%	0.1%	0.0%	0.0%	0.0%
May	100.0	706	1.96	2.09	2.04	2.01	100.0%	0.0%	0.0%	0.0%	0.0%
June	100.0	684	1.94	2.42	2.11	2.02	99.6%	0.4%	0.0%	0.0%	0.0%
July	99.3	702	1.90	2.32	2.04	2.00	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	707	1.90	2.24	2.07	1.99	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	683	1.92	2.18	2.11	2.05	100.0%	0.0%	0.0%	0.0%	0.0%
October	99.2	701	2.02	2.17	2.12	2.08	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	684	2.00	2.26	2.21	2.09	100.0%	0.0%	0.0%	0.0%	0.0%
December	5.2	32	2.07	2.17	2.11	NA	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	92.0	7636	1.90	2.74	2.21	2.03	100.0%	0.0%	0.0%	0.0%	0.0%

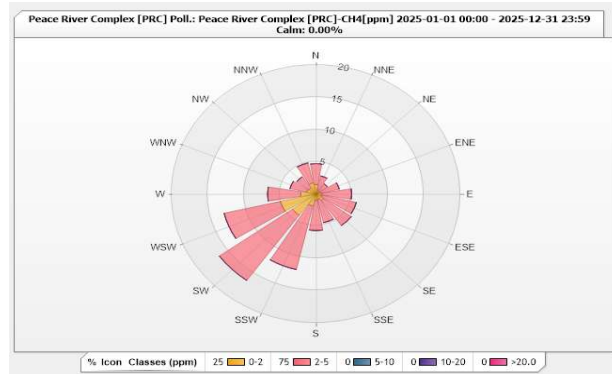
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	695	1	0	0	21	57	348	2
Total Hours of Downtime		717	Total Hours of Calibration		407	Total Hours of Flagged		1124

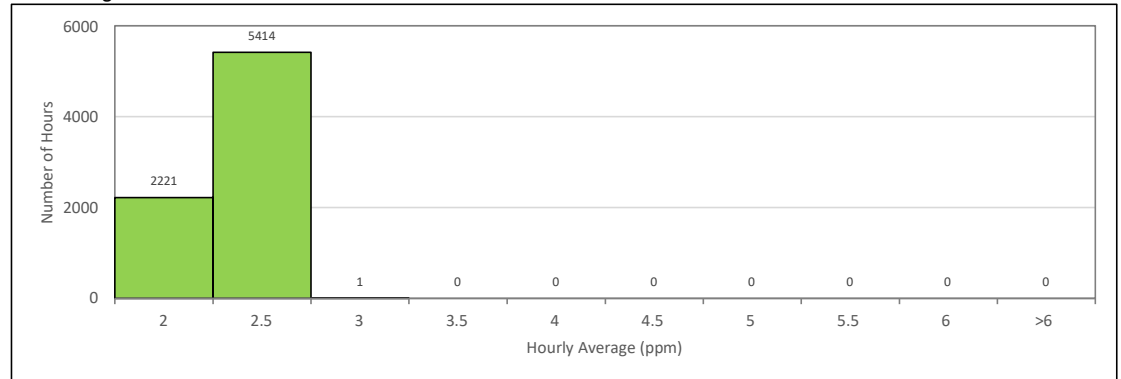
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Peace River Complex (PRC) Station
NON-METHANE HYDROCARBONS (NMHC) in parts per million (ppm)

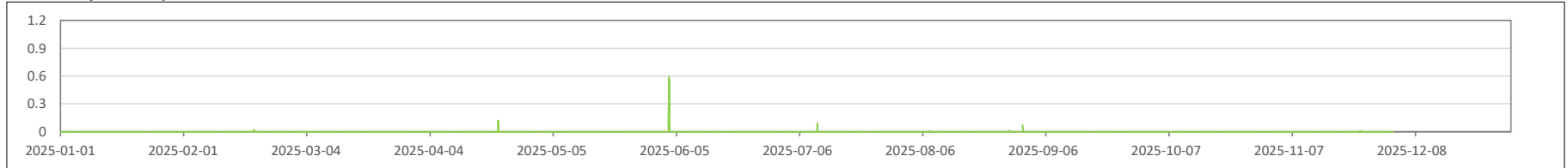
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 0.1	0.2 - 0.3	0.4 - 0.9	1 - 2	>2
January	100.0	707	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	639	0.00	0.02	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
March	99.9	707	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	684	0.00	0.12	0.01	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
May	100.0	706	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
June	100.0	684	0.00	0.59	0.10	0.00	99.3%	0.3%	0.4%	0.0%	0.0%
July	99.3	702	0.00	0.09	0.01	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	707	0.00	0.07	0.01	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	683	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
October	99.2	701	0.00	0.00	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	684	0.00	0.01	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
December	5.2	32	0.00	0.00	0.00	NA	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	92.0	7636	0.00	0.59	0.10	0.00	99.9%	0.0%	0.0%	0.0%	0.0%

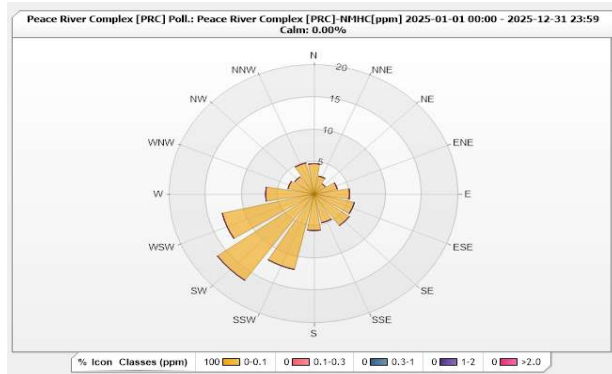
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	695	1	0	0	21	57	348	2
Total Hours of Downtime		717	Total Hours of Calibration		407	Total Hours of Flagged		1124

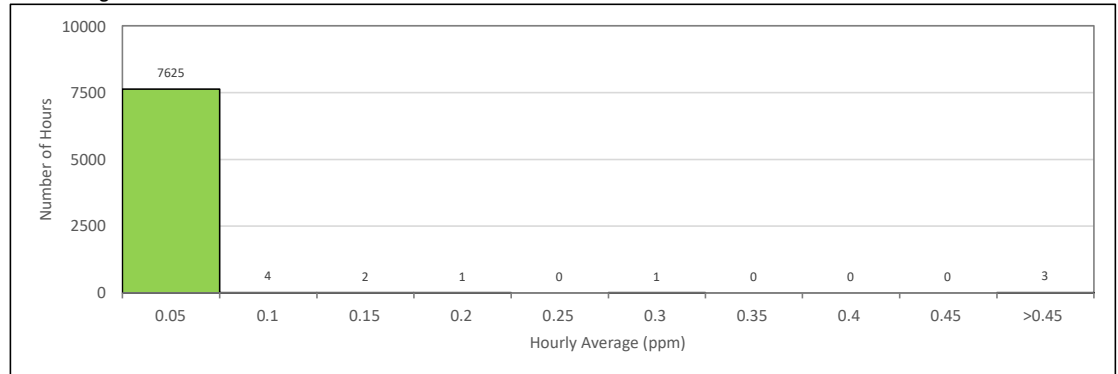
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



Peace River Complex (PRC) Station
RELATIVE HUMIDITY (RH) in percent (%)

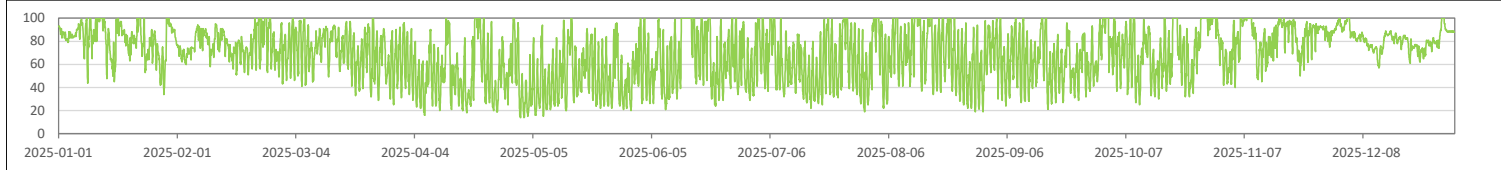
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	81.9	34	100	97
February	100.0	672	75.9	43	100	89
March	99.9	743	70.4	25	100	86
April	100.0	720	54.5	16	100	96
May	100.0	744	47.9	14	100	80
June	100.0	720	65.3	21	100	100
July	100.0	744	61.2	19	100	94
August	100.0	744	69.1	19	100	99
September	100.0	720	62.8	21	100	84
October	100.0	744	73.5	25	100	100
November	100.0	720	81.8	40	100	100
December	100.0	744	81.8	57	100	97
Annual	100.0	8759	68.9	14	100	100

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	0	1	0	0	0	0	0	0
Total Hours of Downtime		1	Total Hours of Calibration		0	Total Hours of Flagged		1

2025 Hourly Data Graph



Peace River Complex (PRC) Station
AMBIENT TEMPERATURE (AT) in degree celsius (°C)

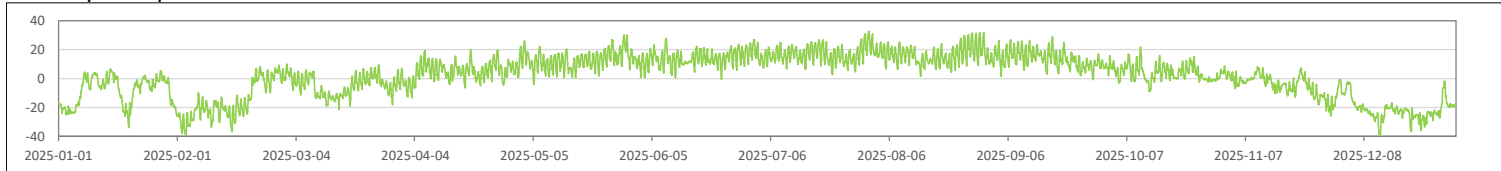
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	-8.4	-33.7	6.7	3.3
February	100.0	672	-15.7	-39.5	9.3	5.7
March	99.9	743	-4.4	-21.4	10.0	3.7
April	100.0	720	5.1	-13.3	20.2	13.1
May	100.0	744	13.0	-4.1	30.3	21.2
June	100.0	720	13.7	-0.4	27.9	18.6
July	100.0	744	16.8	2.8	32.7	25.9
August	100.0	744	16.9	1.6	31.9	23.8
September	100.0	720	13.9	-0.7	28.9	19.9
October	100.0	744	4.4	-9.0	21.9	11.6
November	100.0	720	-4.5	-26.0	8.7	5.4
December	100.0	744	-20.9	-39.6	-1.0	-3.8
Annual	100.0	8759	2.5	-39.6	32.7	25.9

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	0	1	0	0	0	0	0	0
Total Hours of Downtime		1	Total Hours of Calibration		0	Total Hours of Flagged		1

2025 Hourly Data Graph



Peace River Complex (PRC) Station
BAROMETRIC PRESSURE (BP) in millibar (mb)

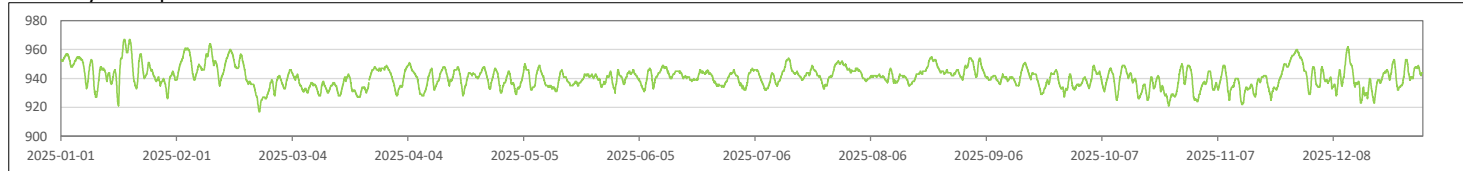
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	945	921	967	964
February	100.0	672	945	917	964	960
March	99.9	743	937	927	949	947
April	100.0	720	940	928	951	949
May	100.0	744	939	929	950	947
June	100.0	720	941	931	949	948
July	100.0	744	942	932	954	952
August	100.0	744	943	935	955	954
September	100.0	720	941	927	954	952
October	100.0	744	937	921	950	948
November	100.0	720	939	922	960	959
December	100.0	744	940	923	962	955
Annual	100.0	8759	941	917	967	964

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	0	1	0	0	0	0	0	0
Total Hours of Downtime		1	Total Hours of Calibration		0	Total Hours of Flagged		1

2025 Hourly Data Graph



Peace River Complex (PRC) Station
VECTOR WIND SPEED (VWS) in kilometer per hour (km/hr)

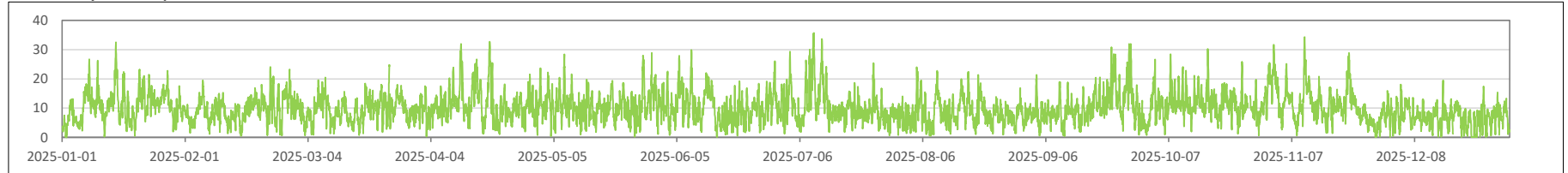
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 6	7 - 15	16 - 29	30 -39	>39
January	100.0	744	0.0	32.5	21.2	5.3	22.3%	60.6%	16.8%	0.3%	0.0%
February	100.0	672	0.4	24.1	14.6	4.0	25.6%	66.7%	7.7%	0.0%	0.0%
March	99.9	743	0.6	24.7	13.8	1.6	22.9%	71.3%	5.8%	0.0%	0.0%
April	100.0	720	0.3	32.7	21.3	6.2	15.1%	67.6%	16.4%	0.8%	0.0%
May	100.0	744	0.2	28.9	17.9	5.7	16.0%	68.5%	15.5%	0.0%	0.0%
June	100.0	720	0.1	29.9	17.5	2.5	24.3%	59.4%	16.1%	0.1%	0.0%
July	100.0	744	0.6	35.7	24.5	5.1	20.7%	63.8%	13.6%	1.9%	0.0%
August	100.0	744	0.5	24.0	16.1	3.5	34.8%	57.1%	8.1%	0.0%	0.0%
September	100.0	719	0.4	32.0	20.8	5.1	22.0%	60.5%	16.8%	0.7%	0.0%
October	98.1	730	0.8	29.8	16.2	6.4	13.4%	69.6%	16.8%	0.1%	0.0%
November	100.0	720	0.1	34.3	22.4	6.0	22.4%	55.7%	21.1%	0.8%	0.0%
December	97.8	728	0.1	19.5	10.5	1.6	41.5%	56.9%	1.6%	0.0%	0.0%
Annual	99.7	8728	0.0	35.7	24.5	4.0	23.4%	63.2%	13.0%	0.4%	0.0%

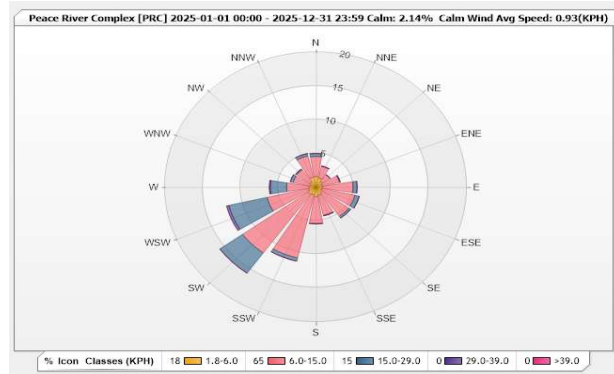
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	30	1	0	0	0	1	0	0
Total Hours of Downtime		31	Total Hours of Calibration		1	Total Hours of Flagged		32

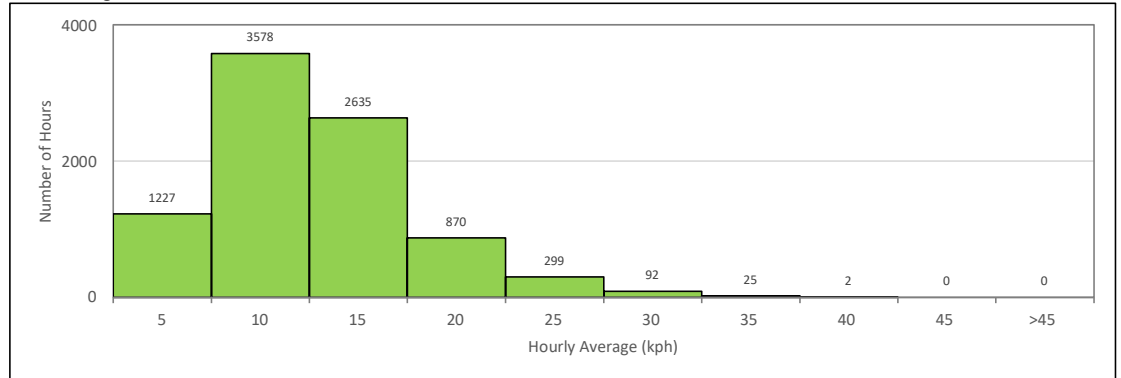
2025 Hourly Data Graph



2025 Wind Rose



2025 Histogram

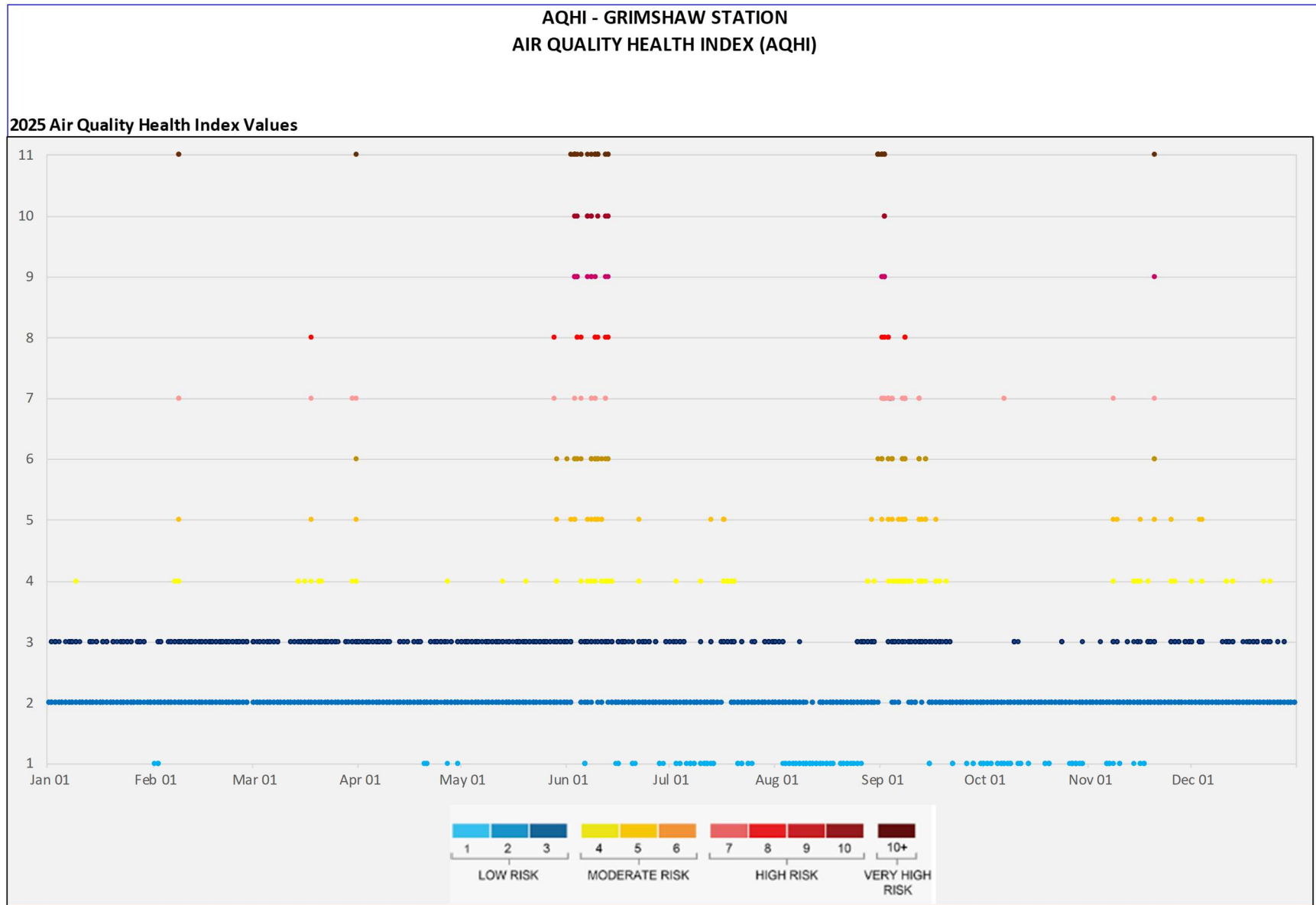


1.5 AQHI - Grimshaw Station

1.5.1 Parameters Monitoring Summary

	SO2	TRS	NOx	NO	NO2	O3	THC	CH4	NMHC	PM2.5
	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ug/m3
Minimum	0	0.00	0	0	0	0.3	1.82	1.82	0.00	0
Min Date	2025-01-01 00:00	2025-01-21 03:00	2025-03-05 14:00	2025-01-01 00:00	2025-03-03 13:00	2025-11-18 07:00	2025-07-02 16:00	2025-07-02 16:00	2025-01-01 00:00	2025-01-10 14:00
Maximum	5	8.43	334	222	111	60.2	4.45	2.70	2.10	615
Max Date	2025-03-18 05:00	2025-09-25 05:00	2025-03-18 05:00	2025-03-18 05:00	2025-03-18 05:00	2025-08-28 14:00	2025-02-15 19:00	2025-08-28 06:00	2025-02-15 19:00	2025-08-31 03:00
Average	0.0	0.23	5.4	1.2	4.1	29.1	2.06	2.06	0.00	9.1
# of Reading	8221	8214	7378	7378	7378	8238	8251	8251	8251	8728
Valid Data [%]	93.9	93.8	84.2	84.2	84.2	94.0	94.2	94.2	94.2	99.6
Operational Uptime [%]	98.9	98.8	88.6	88.6	88.6	99.1	99.1	99.1	99.1	99.8
	RH	BP	AT	VWS	VWD					
	%RH	mb	°C	KPH	Deg					
Minimum	13	918	-36.2	0.0	0					
Min Date	2025-05-01 17:00	2025-02-23 02:00	2025-12-12 03:00	2025-07-29 01:00	2025-01-21 19:00					
Maximum	100	969	33.2	35.5	360					
Max Date	2025-01-16 10:00	2025-01-17 20:00	2025-07-31 16:00	2025-11-02 12:00	2025-02-08 14:00					
Average	64.1	941	3.3	8.7	293					
# of Reading	8754	8751	8754	8736	8736					
Valid Data [%]	99.9	99.9	99.9	99.7	99.7					
Operational Uptime [%]	99.9	99.9	99.9	99.7	99.7					

1.5.2 AQHI



1.5.3 Monitoring Parameters – Continuous Data Summary and Frequency Distribution

AQHI - GRIMSHAW STATION
SULPHUR DIOXIDE (SO₂) in parts per billion (ppb)

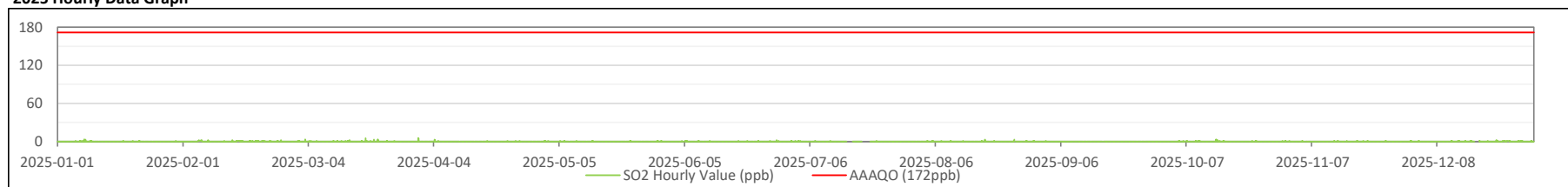
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	# of AAAQO Exceedances				Percentage Readings in Concentration Range				
							1-hour	24-hour	30-day	Annual	0 - 10	11 - 50	51 - 100	101 - 172	>172
January	100.0	707	0	3	1	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	639	0	2	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
March	99.7	705	0	5	0	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	685	0	3	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
May	100.0	705	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.3	679	0	2	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
July	90.1	635	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
August	99.2	703	0	3	0	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	684	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
October	100.0	708	0	3	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	684	0	1	0	0.0	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
December	98.0	687	0	2	1	0.1	0	0	0	-	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	98.9	8221	0	5	1	0.0	0	0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%

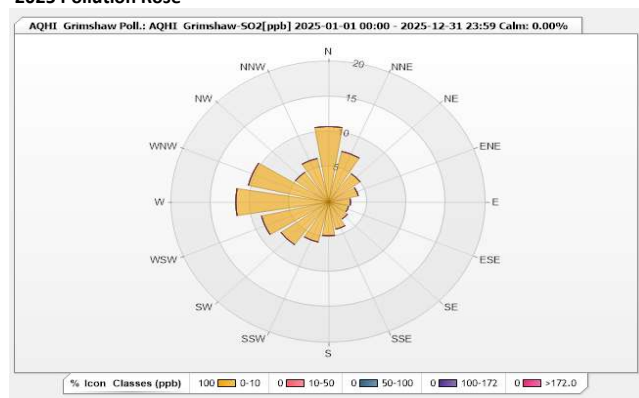
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	80	1	5	0	16	59	376	2
Total Hours of Downtime		102	Total Hours of Calibration		437	Total Hours of Flagged		539

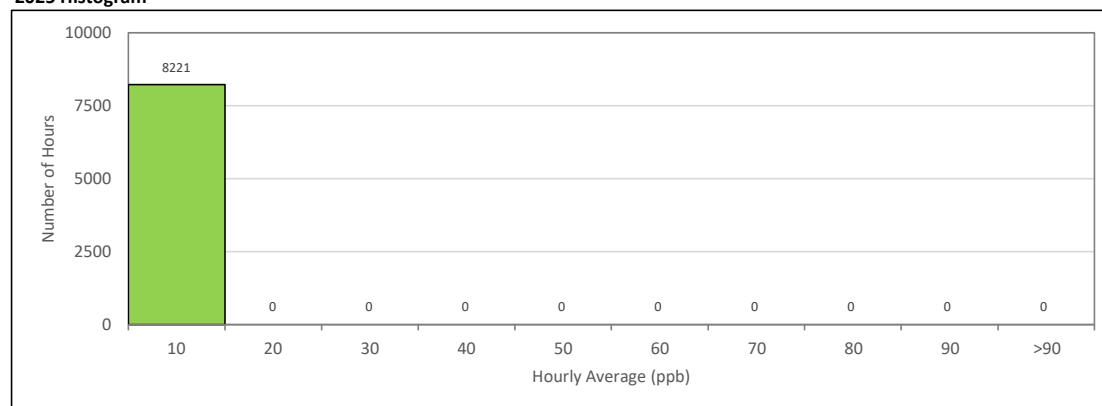
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
TOTAL REDUCED SULPHUR (TRS) in parts per billion (ppb)

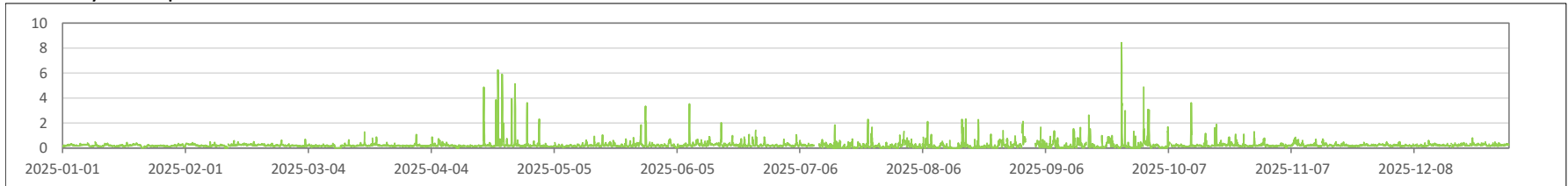
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 50	>50
January	100.0	707	0.00	0.49	0.30	0.20	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	639	0.00	0.64	0.32	0.22	100.0%	0.0%	0.0%	0.0%	0.0%
March	99.9	706	0.00	1.29	0.32	0.19	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	685	0.00	6.24	0.91	0.30	98.2%	1.5%	0.3%	0.0%	0.0%
May	100.0	705	0.03	3.35	0.62	0.23	99.9%	0.1%	0.0%	0.0%	0.0%
June	99.3	679	0.00	3.52	0.46	0.27	99.9%	0.1%	0.0%	0.0%	0.0%
July	96.2	679	0.00	2.30	0.37	0.19	100.0%	0.0%	0.0%	0.0%	0.0%
August	98.9	700	0.00	2.32	0.98	0.23	100.0%	0.0%	0.0%	0.0%	0.0%
September	92.1	622	0.00	8.43	0.88	0.26	99.0%	0.8%	0.2%	0.0%	0.0%
October	99.7	704	0.01	3.62	0.59	0.25	99.4%	0.6%	0.0%	0.0%	0.0%
November	100.0	684	0.00	0.85	0.42	0.23	100.0%	0.0%	0.0%	0.0%	0.0%
December	99.7	704	0.06	0.80	0.31	0.23	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	98.8	8214	0.00	8.43	0.98	0.23	99.7%	0.3%	0.0%	0.0%	0.0%

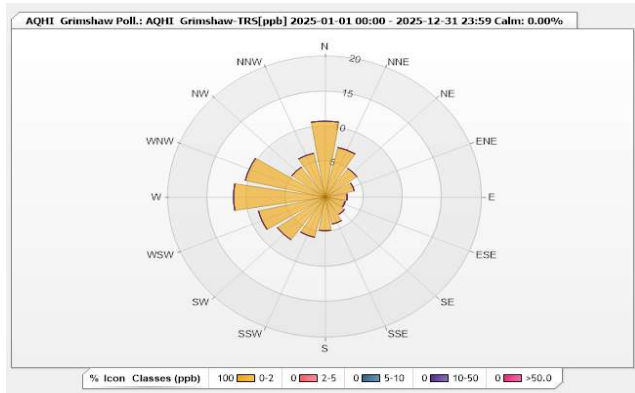
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	84	1	7	0	11	65	376	2
Total Hours of Downtime		103	Total Hours of Calibration		443	Total Hours of Flagged		546

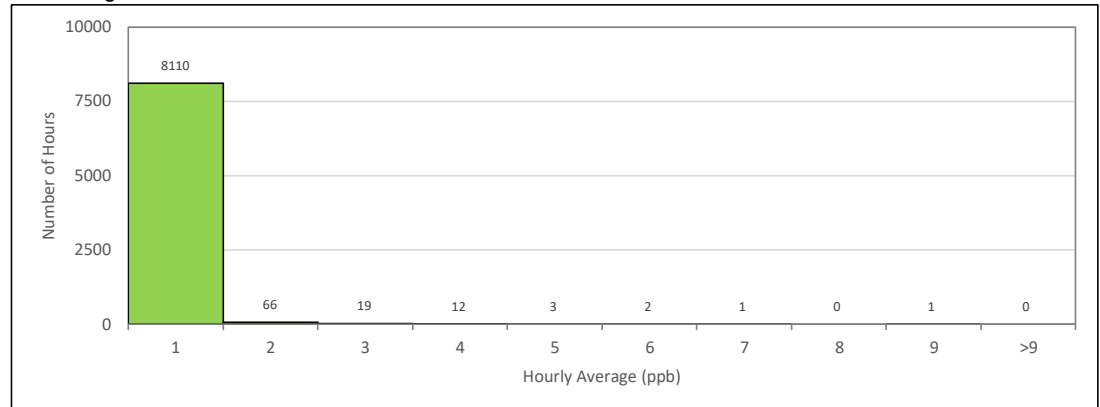
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
TOTAL REDUCED SULPHUR (TRS) in parts per billion (ppb)

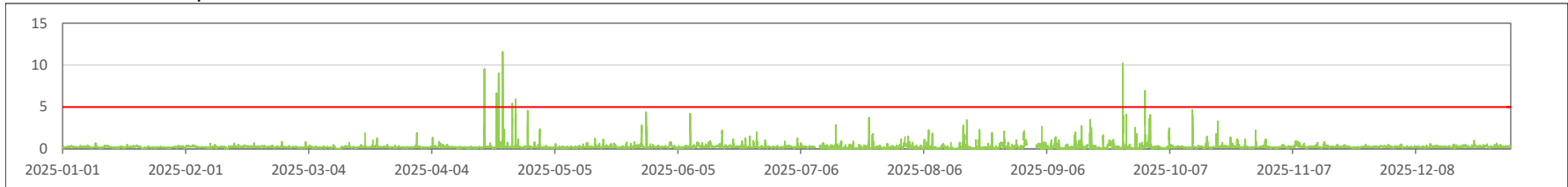
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 30-min	Max. 30-min	Max. 24-hr	Monthly Avg.	# of AAAQO 30-min	Percentage Readings in Concentration Range				
								0 - 2	3 - 5	6 - 10	11 - 50	>50
January	100.0	1416	0.00	0.70	0.30	0.20	0	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	1276	0.00	0.83	0.32	0.22	0	100.0%	0.0%	0.0%	0.0%	0.0%
March	99.9	1412	0.00	1.90	0.32	0.19	0	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	1370	0.00	11.59	0.91	0.30	7	98.5%	0.9%	0.4%	0.1%	0.0%
May	100.0	1411	0.02	4.39	0.62	0.23	0	99.6%	0.4%	0.0%	0.0%	0.0%
June	99.3	1359	0.00	4.10	0.46	0.27	0	99.9%	0.1%	0.0%	0.0%	0.0%
July	96.1	1357	0.00	3.72	0.37	0.19	0	99.9%	0.1%	0.0%	0.0%	0.0%
August	98.8	1398	0.00	3.39	0.98	0.23	0	99.8%	0.2%	0.0%	0.0%	0.0%
September	92.2	1244	0.00	10.21	0.88	0.26	3	99.0%	0.8%	0.2%	0.0%	0.0%
October	99.7	1409	0.00	4.64	0.59	0.25	0	99.4%	0.6%	0.0%	0.0%	0.0%
November	100.0	1368	0.00	0.92	0.42	0.23	0	100.0%	0.0%	0.0%	0.0%	0.0%
December	99.8	1410	0.04	0.99	0.31	0.23	0	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	98.8	16430	0.00	11.59	0.98	0.23	10	99.7%	0.3%	0.1%	0.0%	0.0%

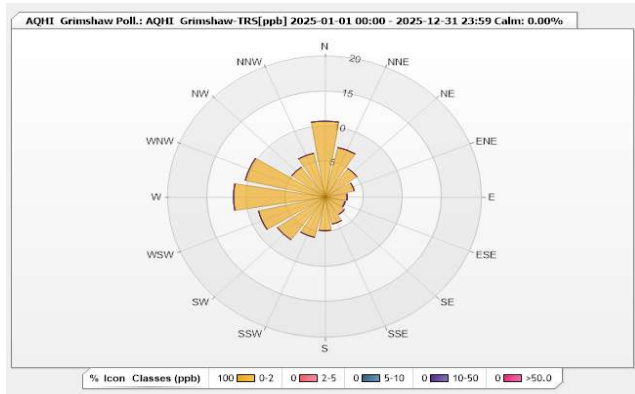
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	169	1	15	0	23	125	752	5
Total Hours of Downtime		208	Total Hours of Calibration		882	Total Hours of Flagged		1090

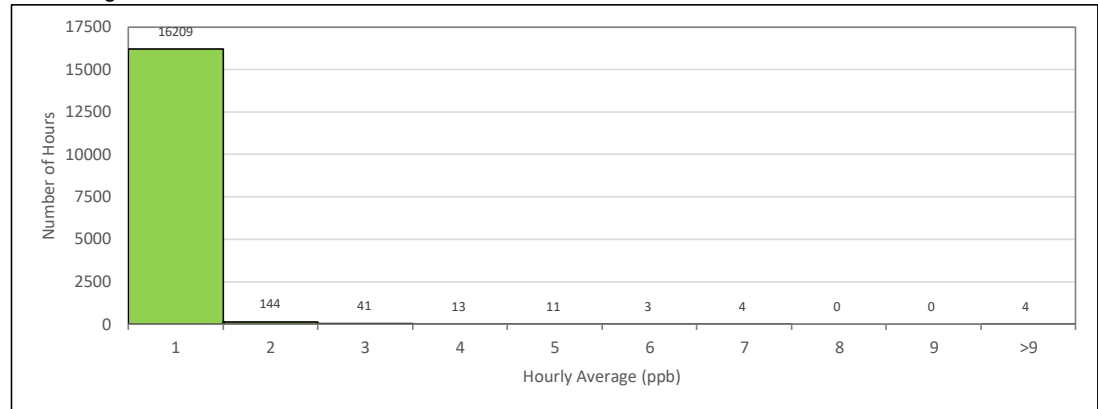
2025 30-Minute Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
OXIDES OF NITROGEN (NOx) in parts per billion (ppb)

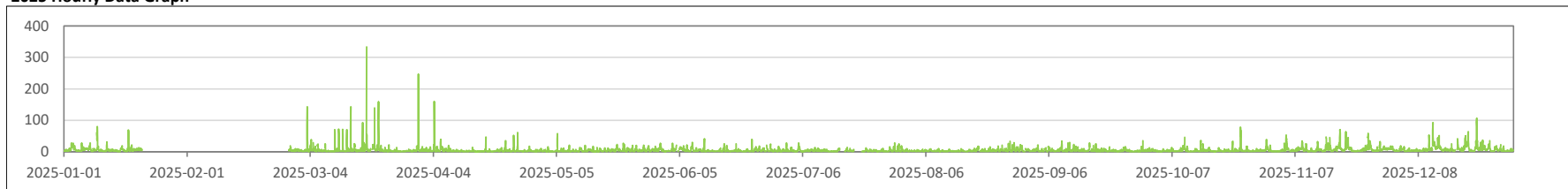
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 30	31 - 50	51 - 82	83 - 159	>159
January	64.9	453	1	78	18	NA	98.2%	0.9%	0.9%	0.0%	0.0%
February	9.5	55	1	19	5	NA	100.0%	0.0%	0.0%	0.0%	0.0%
March	98.9	694	0	334	25	7.2	97.4%	0.7%	0.7%	0.9%	0.3%
April	100.0	683	0	160	15	4.0	99.0%	0.6%	0.3%	0.0%	0.1%
May	100.0	700	0	58	9	4.5	99.9%	0.0%	0.1%	0.0%	0.0%
June	99.3	677	0	41	10	4.4	99.7%	0.3%	0.0%	0.0%	0.0%
July	91.4	640	0	28	7	3.9	100.0%	0.0%	0.0%	0.0%	0.0%
August	99.2	701	1	33	8	3.9	99.9%	0.1%	0.0%	0.0%	0.0%
September	100.0	683	0	35	8	4.4	99.7%	0.3%	0.0%	0.0%	0.0%
October	100.0	707	0	78	15	4.5	98.6%	1.0%	0.4%	0.0%	0.0%
November	100.0	682	1	70	21	8.0	96.0%	3.2%	0.7%	0.0%	0.0%
December	100.0	703	1	106	24	9.0	95.7%	3.1%	0.7%	0.4%	0.0%
Annual	88.6	7378	0	334	25	5.4	98.7%	0.9%	0.3%	0.1%	0.0%

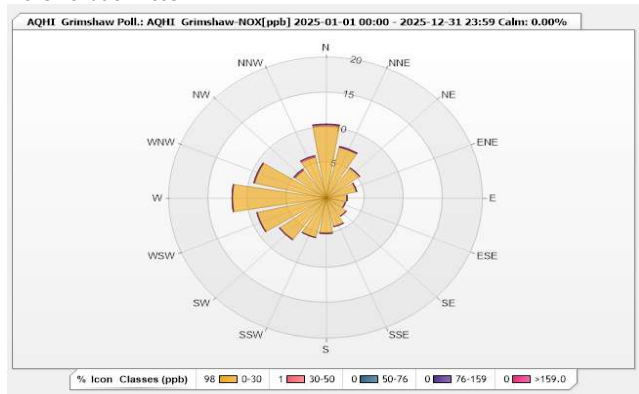
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	878	2	5	0	67	87	338	5
Total Hours of Downtime		952	Total Hours of Calibration		430	Total Hours of Flagged		1382

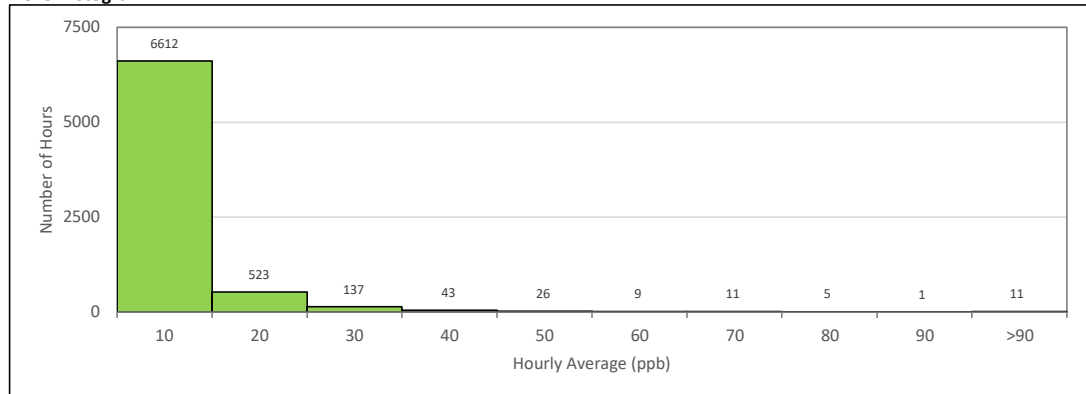
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
NITRIC OXIDE (NO) in parts per billion (ppb)

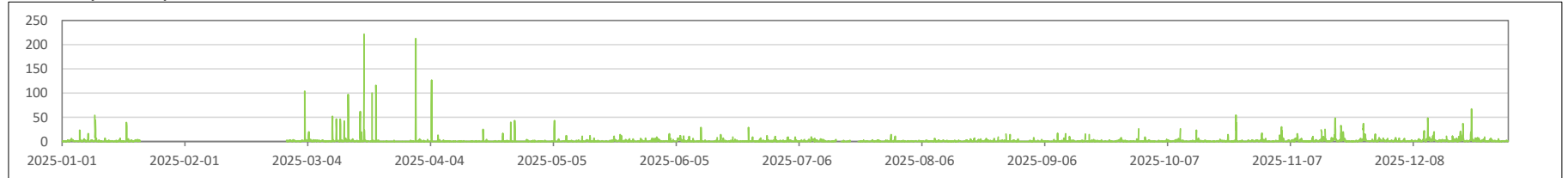
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 30	31 - 50	51 - 82	83 - 159	>159
January	64.9	453	0	54	8	NA	99.3%	0.4%	0.2%	0.0%	0.0%
February	9.5	55	0	3	1	NA	100.0%	0.0%	0.0%	0.0%	0.0%
March	98.9	694	0	222	12	2.5	98.3%	0.4%	0.4%	0.6%	0.3%
April	100.0	683	0	127	6	0.6	99.6%	0.3%	0.0%	0.1%	0.0%
May	100.0	700	0	43	3	0.8	99.9%	0.1%	0.0%	0.0%	0.0%
June	99.3	677	0	29	3	0.8	100.0%	0.0%	0.0%	0.0%	0.0%
July	91.4	640	0	14	4	0.7	100.0%	0.0%	0.0%	0.0%	0.0%
August	99.2	701	0	15	1	0.6	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	683	0	26	2	0.6	100.0%	0.0%	0.0%	0.0%	0.0%
October	100.0	707	0	54	7	1.0	99.7%	0.1%	0.1%	0.0%	0.0%
November	100.0	682	0	48	9	2.3	99.4%	0.6%	0.0%	0.0%	0.0%
December	100.0	703	0	67	10	2.2	99.1%	0.6%	0.3%	0.0%	0.0%
Annual	88.6	7378	0	222	12	1.2	99.6%	0.2%	0.1%	0.1%	0.0%

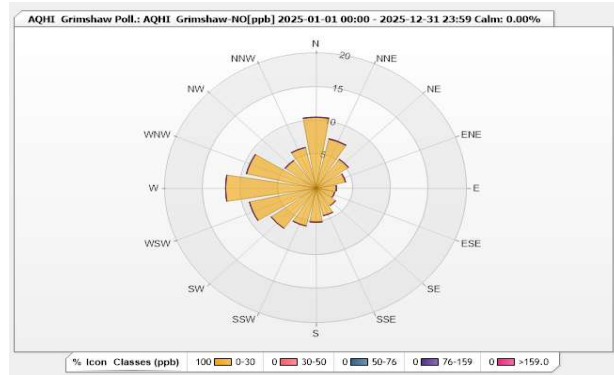
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	878	2	5	0	67	87	338	5
Total Hours of Downtime		952	Total Hours of Calibration		430	Total Hours of Flagged		1382

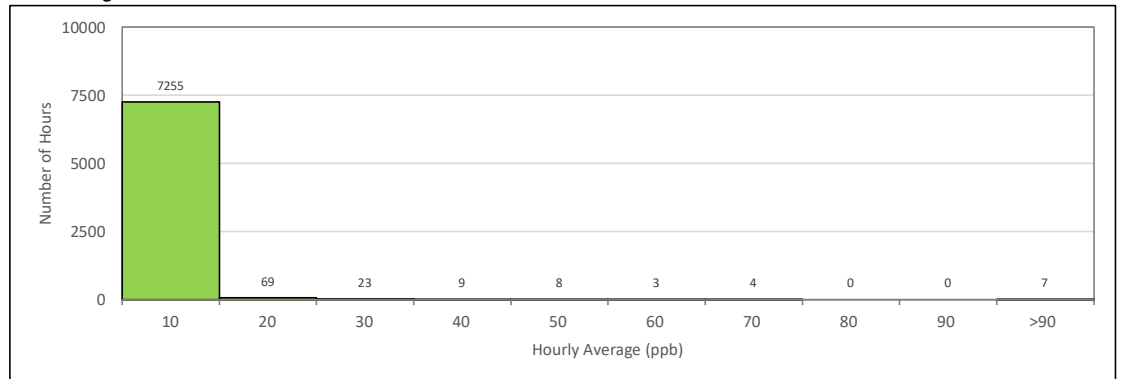
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
NITROGEN DIOXIDE (NO₂) in parts per billion (ppb)

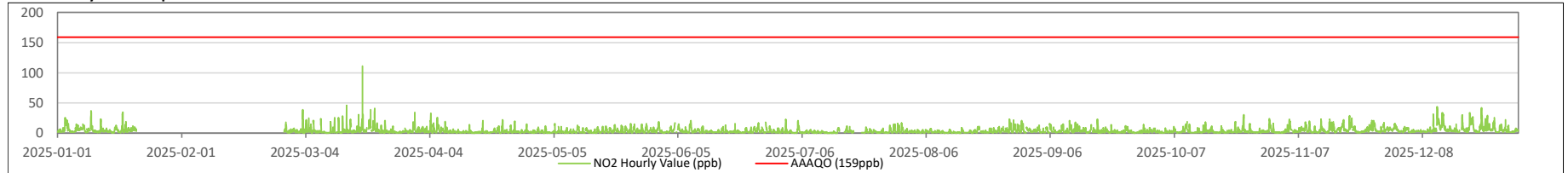
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	# of AAAQO Exceedances	Percentage Readings in Concentration Range				
							1-hour	0 - 30	31 - 50	51 - 82	83 - 159	>159
January	64.9	453	1	37	12	NA	0	99.1%	0.9%	0.0%	0.0%	0.0%
February	9.5	55	1	18	4	NA	0	100.0%	0.0%	0.0%	0.0%	0.0%
March	98.9	694	0	111	13	4.7	0	98.8%	1.0%	0.0%	0.1%	0.0%
April	100.0	683	0	33	9	3.3	0	99.9%	0.1%	0.0%	0.0%	0.0%
May	100.0	700	0	19	7	3.6	0	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.3	677	0	21	7	3.5	0	100.0%	0.0%	0.0%	0.0%	0.0%
July	91.4	640	0	23	6	2.7	0	100.0%	0.0%	0.0%	0.0%	0.0%
August	99.2	701	0	23	7	3.2	0	100.0%	0.0%	0.0%	0.0%	0.0%
September	100.0	683	0	23	7	3.7	0	100.0%	0.0%	0.0%	0.0%	0.0%
October	100.0	707	0	30	9	3.5	0	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	682	1	29	13	5.7	0	100.0%	0.0%	0.0%	0.0%	0.0%
December	100.0	703	1	44	16	6.8	0	98.3%	1.7%	0.0%	0.0%	0.0%
Annual	88.6	7378	0	111	16	4.1	0	99.7%	0.3%	0.0%	0.0%	0.0%

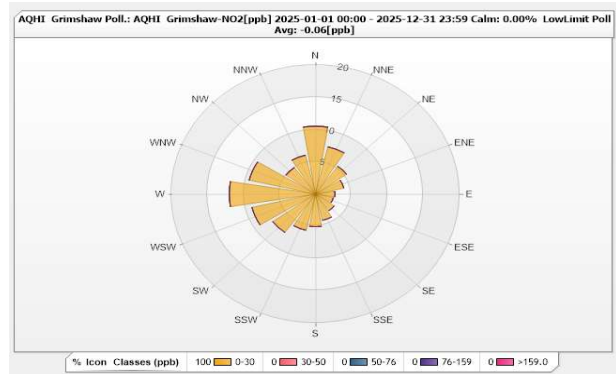
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	878	2	5	0	67	87	338	5
Total Hours of Downtime		952	Total Hours of Calibration		430	Total Hours of Flagged		1382

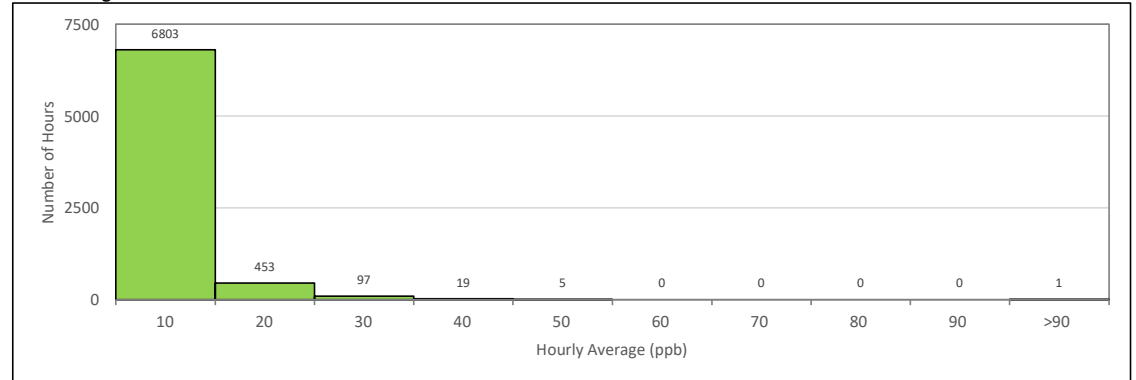
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
OZONE (O₃) in parts per billion (ppb)

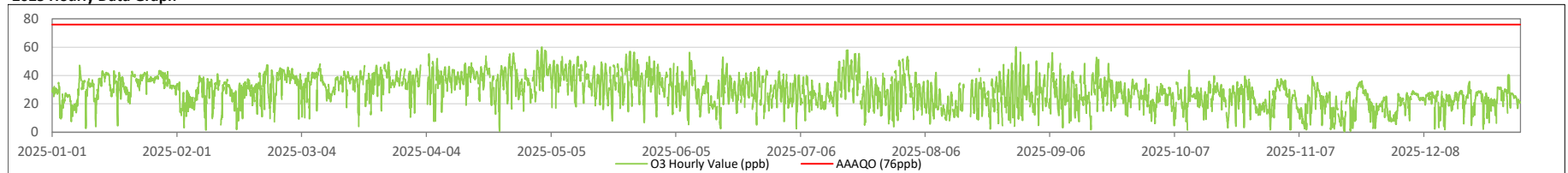
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	# of AAAQO Exceedances	Percentage Readings in Concentration Range				
							1-hour	0 - 30	31 - 50	51 - 82	83 - 159	>159
January	100.0	708	3	47	41	32.2	0	35.0%	65.0%	0.0%	0.0%	0.0%
February	100.0	639	2	47	41	29.3	0	47.9%	52.1%	0.0%	0.0%	0.0%
March	99.9	707	4	49	43	35.4	0	18.1%	81.9%	0.0%	0.0%	0.0%
April	94.6	644	1	56	45	36.8	0	20.5%	76.4%	3.1%	0.0%	0.0%
May	100.0	705	7	60	49	38.2	0	22.8%	67.9%	9.2%	0.0%	0.0%
June	99.3	679	2	56	37	29.5	0	52.0%	47.3%	0.7%	0.0%	0.0%
July	100.0	707	3	58	45	28.8	0	59.5%	36.6%	3.8%	0.0%	0.0%
August	94.9	670	2	60	41	25.3	0	67.0%	30.7%	2.2%	0.0%	0.0%
September	100.0	683	2	56	36	27.8	0	61.2%	37.6%	1.2%	0.0%	0.0%
October	100.0	706	2	44	31	23.3	0	82.7%	17.3%	0.0%	0.0%	0.0%
November	100.0	683	0	39	34	19.8	0	83.5%	16.5%	0.0%	0.0%	0.0%
December	100.0	707	2	41	30	23.0	0	94.9%	5.1%	0.0%	0.0%	0.0%
Annual	99.1	8238	0	60	49	29.1	0	53.8%	44.5%	1.7%	0.0%	0.0%

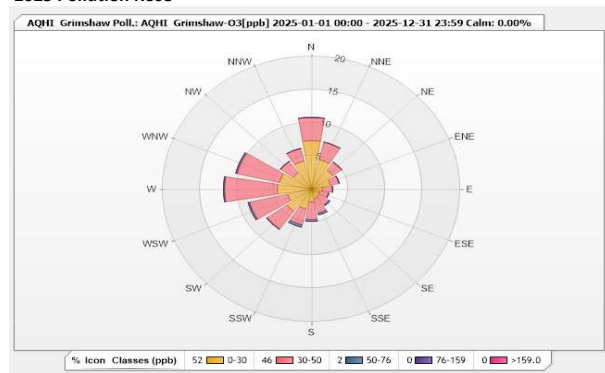
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	74	2	5	0	2	61	376	2
Total Hours of Downtime		83	Total Hours of Calibration		439	Total Hours of Flagged		522

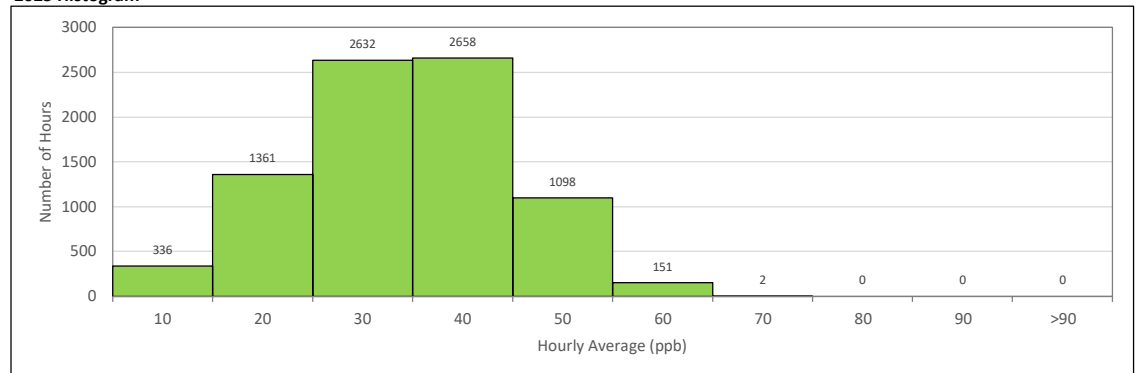
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
TOTAL HYDROCARBONS (THC) in parts per million (ppm)

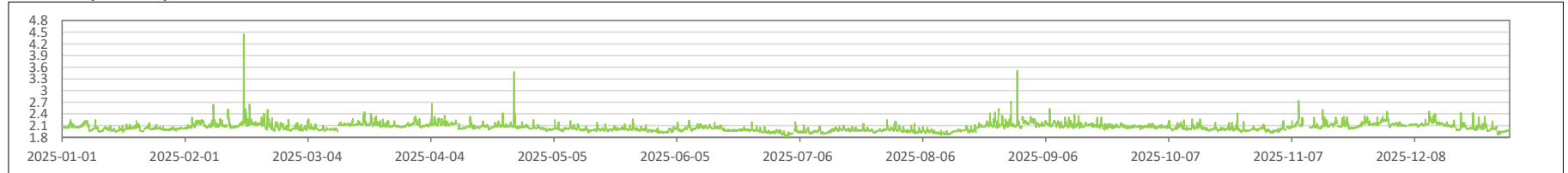
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 40	>40
January	100.0	709	1.93	2.25	2.15	2.03	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	638	1.96	4.45	2.30	2.12	98.3%	1.7%	0.0%	0.0%	0.0%
March	99.9	705	1.95	2.45	2.20	2.09	99.6%	0.4%	0.0%	0.0%	0.0%
April	100.0	685	1.99	3.48	2.22	2.10	99.6%	0.4%	0.0%	0.0%	0.0%
May	100.0	705	1.91	2.27	2.06	2.01	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.3	680	1.90	2.23	2.08	2.00	100.0%	0.0%	0.0%	0.0%	0.0%
July	99.6	704	1.82	2.25	2.02	1.97	100.0%	0.0%	0.0%	0.0%	0.0%
August	98.5	699	1.86	3.51	2.22	2.02	99.0%	1.0%	0.0%	0.0%	0.0%
September	100.0	683	1.99	2.53	2.22	2.11	99.9%	0.1%	0.0%	0.0%	0.0%
October	100.0	708	1.93	2.42	2.11	2.04	99.9%	0.1%	0.0%	0.0%	0.0%
November	94.9	648	1.92	2.74	2.24	2.11	99.5%	0.5%	0.0%	0.0%	0.0%
December	97.4	687	1.87	2.47	2.24	2.09	99.3%	0.7%	0.0%	0.0%	0.0%
Annual	99.1	8251	1.82	4.45	2.30	2.06	99.6%	0.4%	0.0%	0.0%	0.0%

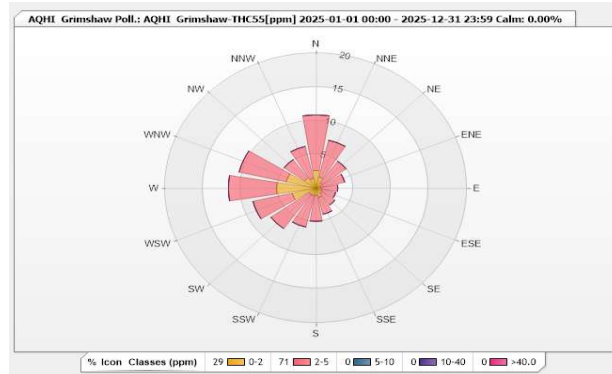
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	43	6	5	0	22	56	375	2
Total Hours of Downtime		76	Total Hours of Calibration		433	Total Hours of Flagged		509

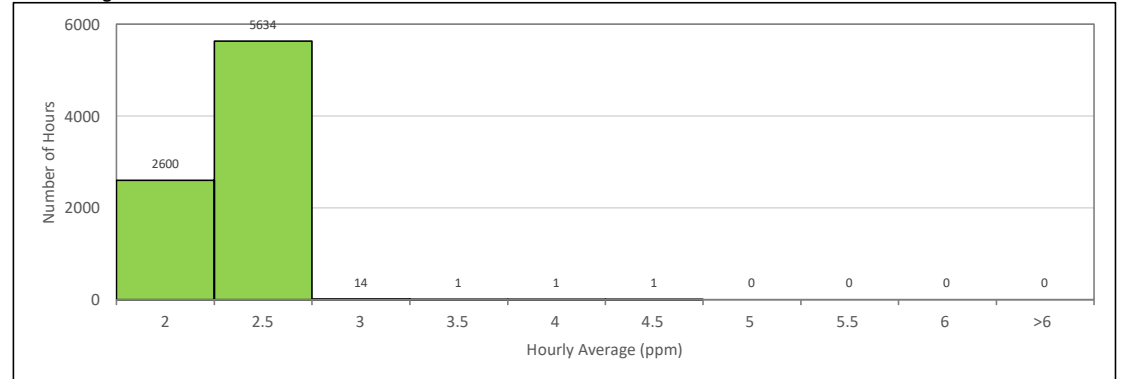
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
METHANE (CH₄) in parts per million (ppm)

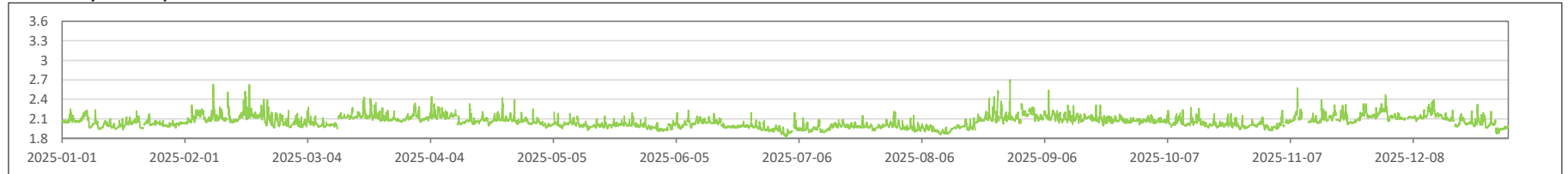
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 2	3 - 5	6 - 10	11 - 20	>20
January	100.0	709	1.93	2.25	2.15	2.03	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	638	1.96	2.63	2.21	2.11	98.7%	1.3%	0.0%	0.0%	0.0%
March	99.9	705	1.95	2.43	2.20	2.09	99.6%	0.4%	0.0%	0.0%	0.0%
April	100.0	685	1.99	2.44	2.21	2.10	99.7%	0.3%	0.0%	0.0%	0.0%
May	100.0	705	1.91	2.20	2.06	2.00	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.3	680	1.90	2.23	2.08	2.00	100.0%	0.0%	0.0%	0.0%	0.0%
July	99.6	704	1.82	2.21	2.02	1.97	100.0%	0.0%	0.0%	0.0%	0.0%
August	98.5	699	1.86	2.70	2.22	2.02	99.1%	0.9%	0.0%	0.0%	0.0%
September	100.0	683	1.99	2.53	2.22	2.11	99.9%	0.1%	0.0%	0.0%	0.0%
October	100.0	708	1.93	2.27	2.11	2.04	100.0%	0.0%	0.0%	0.0%	0.0%
November	94.9	648	1.92	2.57	2.24	2.10	99.8%	0.2%	0.0%	0.0%	0.0%
December	97.4	687	1.87	2.47	2.24	2.09	99.7%	0.3%	0.0%	0.0%	0.0%
Annual	99.1	8251	1.82	2.70	2.24	2.06	99.7%	0.3%	0.0%	0.0%	0.0%

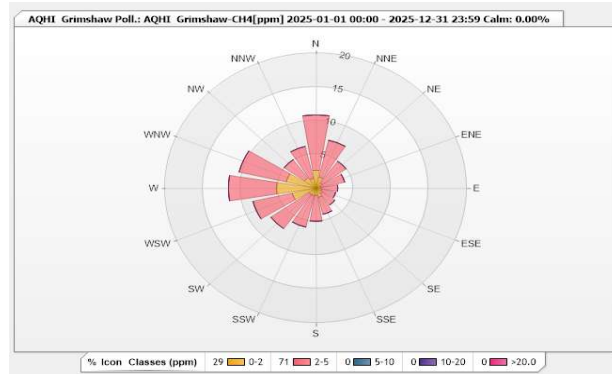
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	43	6	5	0	22	56	375	2
Total Hours of Downtime		76	Total Hours of Calibration		433	Total Hours of Flagged		509

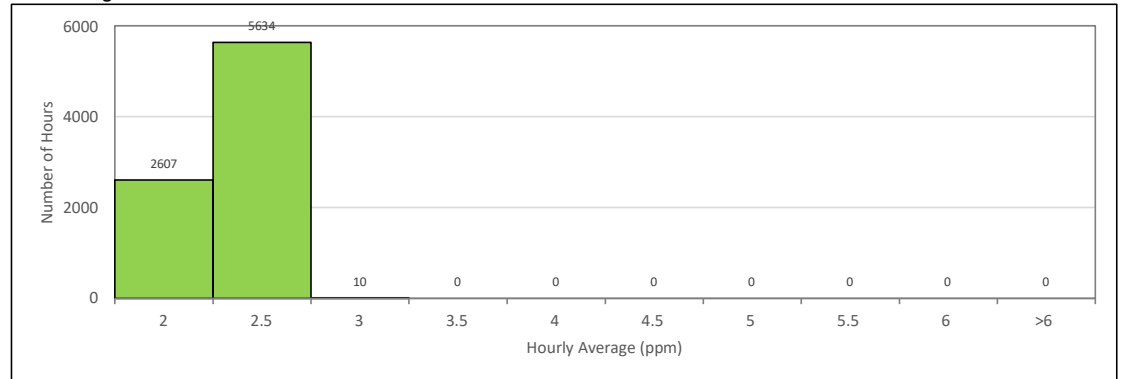
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
NON-METHANE HYDROCARBONS (NMHC) in parts per million (ppm)

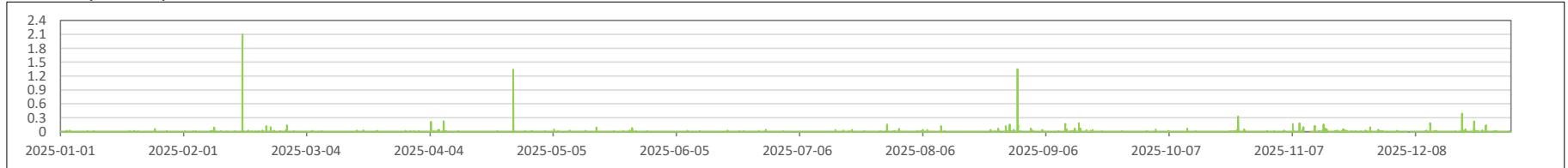
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 0.1	0.2 - 0.3	0.4 - 0.9	1 - 2	>2
January	100.0	709	0.00	0.06	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
February	100.0	638	0.00	2.10	0.10	0.00	99.8%	0.0%	0.0%	0.2%	0.0%
March	99.9	705	0.00	0.03	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
April	100.0	685	0.00	1.34	0.06	0.00	99.6%	0.3%	0.0%	0.1%	0.0%
May	100.0	705	0.00	0.09	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
June	99.3	680	0.00	0.04	0.00	0.00	100.0%	0.0%	0.0%	0.0%	0.0%
July	99.6	704	0.00	0.16	0.01	0.00	99.9%	0.1%	0.0%	0.0%	0.0%
August	98.5	699	0.00	1.35	0.06	0.00	99.7%	0.1%	0.0%	0.1%	0.0%
September	100.0	683	0.00	0.19	0.01	0.00	99.7%	0.3%	0.0%	0.0%	0.0%
October	100.0	708	0.00	0.33	0.02	0.00	99.9%	0.1%	0.0%	0.0%	0.0%
November	94.9	648	0.00	0.18	0.02	0.00	99.5%	0.5%	0.0%	0.0%	0.0%
December	97.4	687	0.00	0.39	0.02	0.00	99.6%	0.3%	0.1%	0.0%	0.0%
Annual	99.1	8251	0.00	2.10	0.10	0.00	99.8%	0.1%	0.0%	0.0%	0.0%

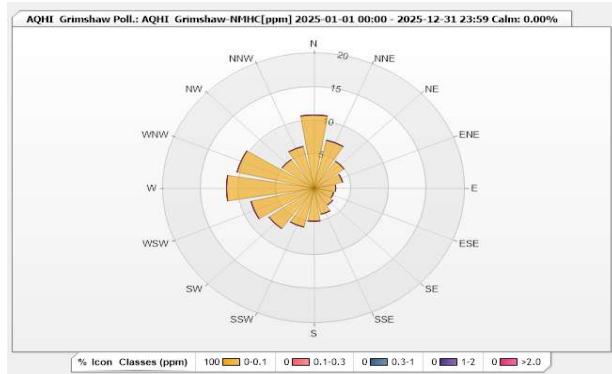
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	43	6	5	0	22	56	375	2
Total Hours of Downtime		76	Total Hours of Calibration		433	Total Hours of Flagged		509

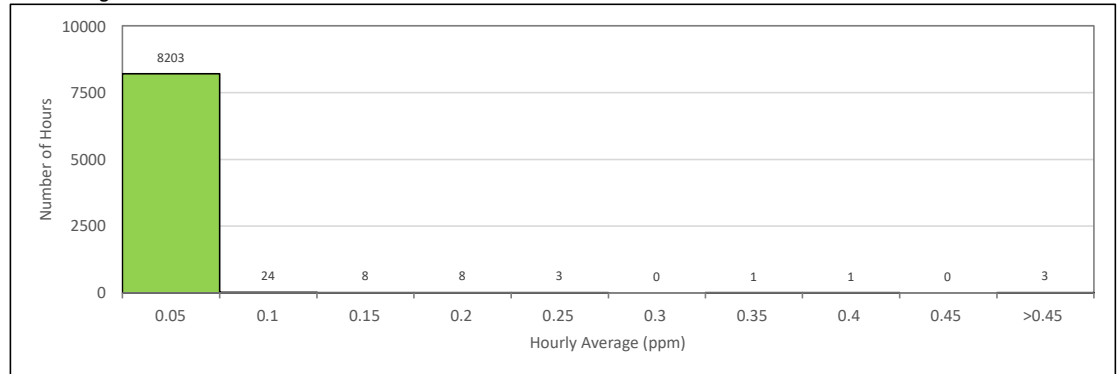
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
PARTICULATE MATTER 2.5 (PM_{2.5}) in micrograms per cubic meter (µg/m³)

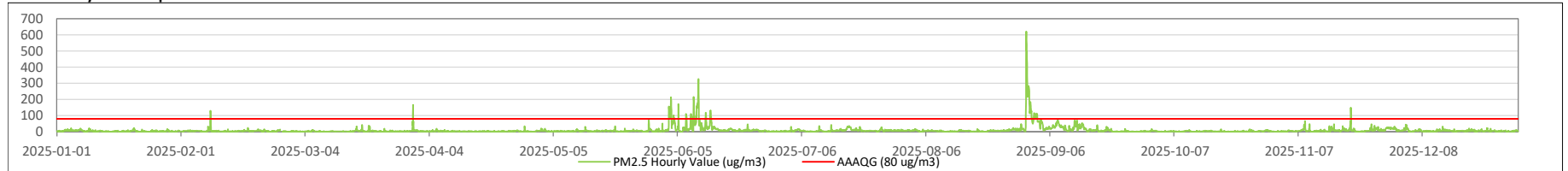
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	# of AAAQO Exceedances		Percentage Readings in Concentration Range				
							1-hour	24-hour	0 - 50	51 - 80	81 - 120	121 - 240	>240
January	100.0	743	0	20	11	4.3	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
February	98.2	657	0	130	22	4.7	2	0	99.4%	0.3%	0.2%	0.2%	0.0%
March	99.9	742	0	166	17	3.9	1	0	99.6%	0.3%	0.0%	0.1%	0.0%
April	100.0	720	0	35	5	3.0	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
May	100.0	742	1	74	12	5.0	0	0	99.7%	0.3%	0.0%	0.0%	0.0%
June	99.3	715	1	326	105	25.2	64	8	85.6%	5.5%	4.2%	4.3%	0.4%
July	100.0	743	1	43	25	7.9	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
August	100.0	742	1	615	313	16.1	23	1	96.8%	0.1%	0.0%	0.8%	2.3%
September	100.0	719	0	183	98	21.6	34	7	86.5%	8.8%	3.5%	1.3%	0.0%
October	100.0	743	0	17	7	2.9	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
November	100.0	719	0	149	26	8.9	2	0	99.3%	0.4%	0.1%	0.1%	0.0%
December	100.0	743	0	45	16	6.2	0	0	100.0%	0.0%	0.0%	0.0%	0.0%
Annual	99.8	8728	0	615	313	9.1	126	16	97.2%	1.3%	0.7%	0.6%	0.2%

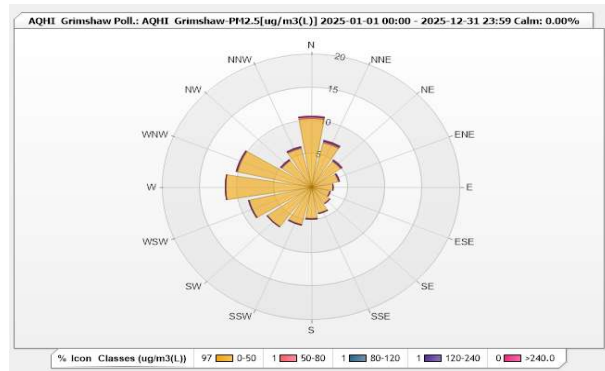
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	12	1	5	0	0	13	0	1
Total Hours of Downtime		18	Total Hours of Calibration		14	Total Hours of Flagged		32

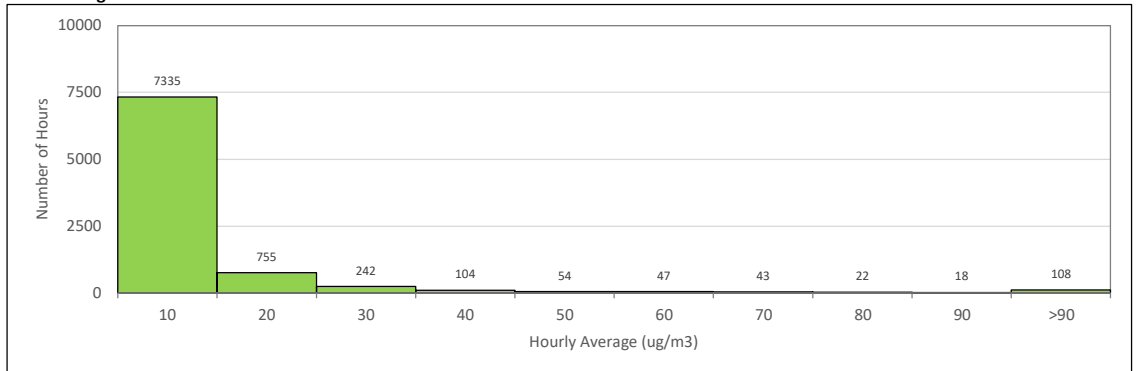
2025 Hourly Data Graph



2025 Pollution Rose



2025 Histogram



AQHI - GRIMSHAW STATION
RELATIVE HUMIDITY (RH) in percent (%)

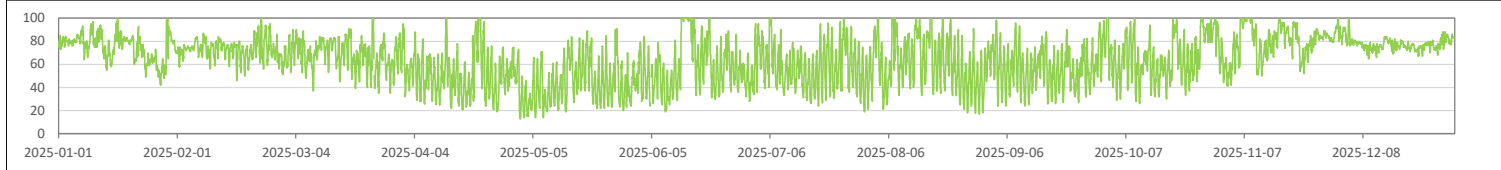
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	75.3	42	100	88
February	100.0	672	72.7	46	100	81
March	99.9	743	68.2	35	100	79
April	100.0	720	51.5	19	100	87
May	100.0	744	43.6	13	91	68
June	99.3	715	58.1	19	100	100
July	100.0	744	57.9	19	100	83
August	100.0	744	61.1	17	100	90
September	100.0	720	57.1	24	98	77
October	100.0	744	67.3	26	100	93
November	100.0	720	79.0	41	100	100
December	100.0	744	78.0	65	100	91
Annual	99.9	8754	64.1	13	100	100

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	0	1	5	0	0	0	0	0
Total Hours of Downtime		6	Total Hours of Calibration		0	Total Hours of Flagged		6

2025 Hourly Data Graph



AQHI - GRIMSHAW STATION
AMBIENT TEMPERATURE (AT) in degree celsius (°C)

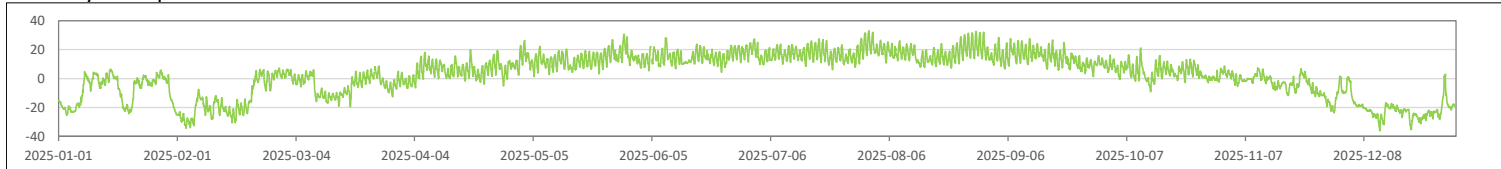
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	-7.9	-25.4	6.6	3.7
February	100.0	672	-15.0	-34.5	7.2	4.4
March	99.9	743	-3.9	-19.5	8.6	4.0
April	100.0	720	5.9	-6.8	19.9	12.5
May	100.0	744	13.8	1.4	30.7	22.1
June	99.3	715	15.1	4.4	28.2	19.8
July	100.0	744	17.5	6.1	33.2	24.9
August	100.0	744	18.3	7.4	32.7	24.3
September	100.0	720	14.7	1.2	28.6	19.4
October	100.0	744	5.0	-9.1	21.3	10.8
November	100.0	720	-3.8	-23.7	8.7	5.1
December	100.0	744	-20.2	-36.2	3.0	-4.0
Annual	99.9	8754	3.3	-36.2	33.2	24.9

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	0	4	5	0	0	0	0	0
Total Hours of Downtime		9	Total Hours of Calibration		0	Total Hours of Flagged		9

2025 Hourly Data Graph



AQHI - GRIMSHAW STATION
BAROMETRIC PRESSURE (BP) in millibar (mb)

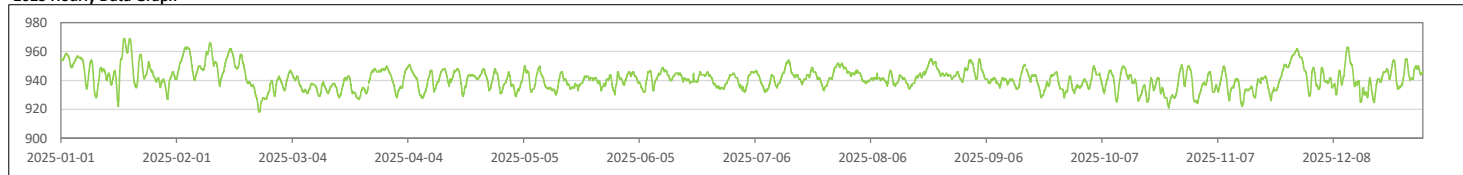
2025 Annual Continuous Data Summary

Month	Operational	# of Reading	Monthly Avg.	Min. 1-hr	Max. 1-hr	Max. 24-hr
January	100.0	744	947	922	969	966
February	100.0	672	946	918	966	963
March	99.9	743	938	927	950	948
April	100.0	720	941	928	951	950
May	100.0	744	939	929	950	947
June	99.3	715	941	932	949	948
July	100.0	744	942	932	954	951
August	100.0	744	943	934	955	953
September	99.6	717	940	928	955	952
October	100.0	744	938	921	951	949
November	100.0	720	940	922	962	960
December	100.0	744	941	925	963	957
Annual	99.9	8751	941	918	969	966

2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	0	1	5	0	0	0	0	0
Total Hours of Downtime		6	Total Hours of Calibration		0	Total Hours of Flagged		6

2025 Hourly Data Graph



AQHI - GRIMSHAW STATION
VECTOR WIND SPEED (VWS) in kilometer per hour (km/hr)

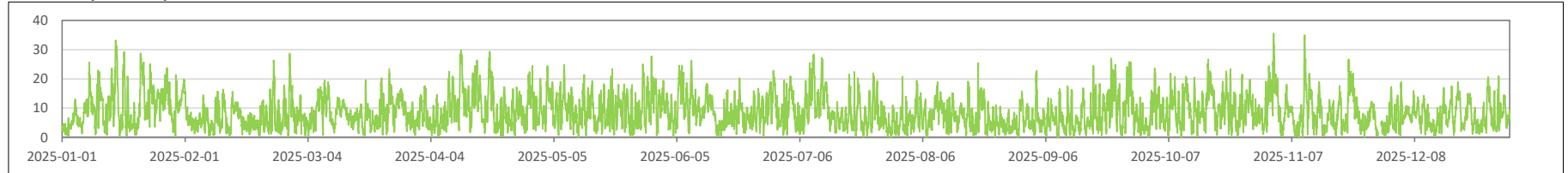
2025 Annual Continuous Data Summary and Annual Frequency Distribution

Month	Operational Uptime (%)	# of Reading	Min. 1-hr	Max. 1-hr	Max. 24-hr	Monthly Avg.	Percentage Readings in Concentration Range				
							0 - 6	7 - 15	16 - 29	30 -39	>39
January	100.0	744	0.3	33.1	21.5	10.4	34.5%	44.0%	20.6%	0.9%	0.0%
February	100.0	672	0.2	28.7	14.5	6.9	55.5%	39.1%	5.4%	0.0%	0.0%
March	99.9	743	0.4	23.4	14.0	8.1	38.8%	54.2%	7.0%	0.0%	0.0%
April	100.0	720	0.4	29.9	20.8	10.1	35.6%	45.1%	19.2%	0.1%	0.0%
May	100.0	744	0.1	27.7	16.1	9.9	32.3%	50.8%	16.9%	0.0%	0.0%
June	99.3	715	0.1	26.3	16.9	9.5	32.2%	56.4%	11.5%	0.0%	0.0%
July	100.0	744	0.0	28.4	19.4	8.6	42.6%	42.6%	14.8%	0.0%	0.0%
August	100.0	744	0.1	25.4	13.1	6.9	51.7%	44.6%	3.6%	0.0%	0.0%
September	100.0	718	0.0	27.0	18.4	8.0	49.7%	38.4%	11.8%	0.0%	0.0%
October	100.0	744	0.1	26.5	17.6	9.6	32.3%	53.6%	14.1%	0.0%	0.0%
November	97.8	704	0.0	35.5	22.1	8.8	45.6%	38.8%	14.5%	1.1%	0.0%
December	100.0	744	0.3	20.5	14.1	7.7	46.1%	48.3%	5.6%	0.0%	0.0%
Annual	99.7	8736	0.0	35.5	22.1	8.7	41.4%	46.3%	12.1%	0.2%	0.0%

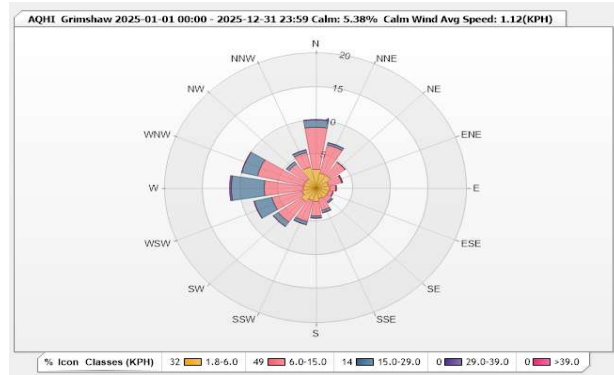
2025 Data Qualifier Flag Summary

P	X	Y	K	ND	NRM	C	S	Q
0	16	1	5	0	0	2	0	0
Total Hours of Downtime		22	Total Hours of Calibration		2	Total Hours of Flagged		24

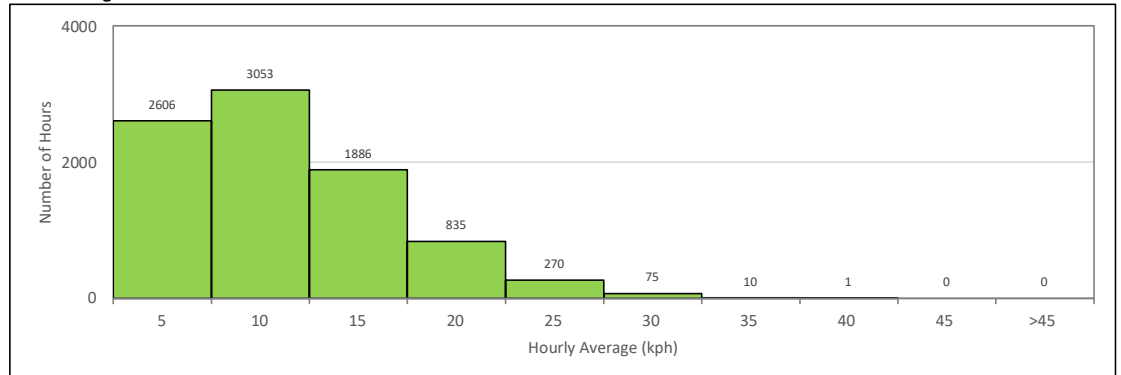
2025 Hourly Data Graph



2025 Wind Rose



2025 Histogram



2.0 Continuous Monitoring - 2025 Hourly Concentrations Charts

H₂S, NO_x, NO, NO₂, O₃, and PM_{2.5} data are excluded from the 2025 hourly concentration charts, as these parameters are monitored at only one station and inter-station comparison is not possible. Only SO₂, TRS, THC, CH₄, and NMHC data are included in this section.

2.1 Sulphur Dioxide (SO₂)



2.2 Total Reduced Sulphur (TRS)



2.3 Total Hydrocarbons (THC)



2.4 Methane (CH₄)



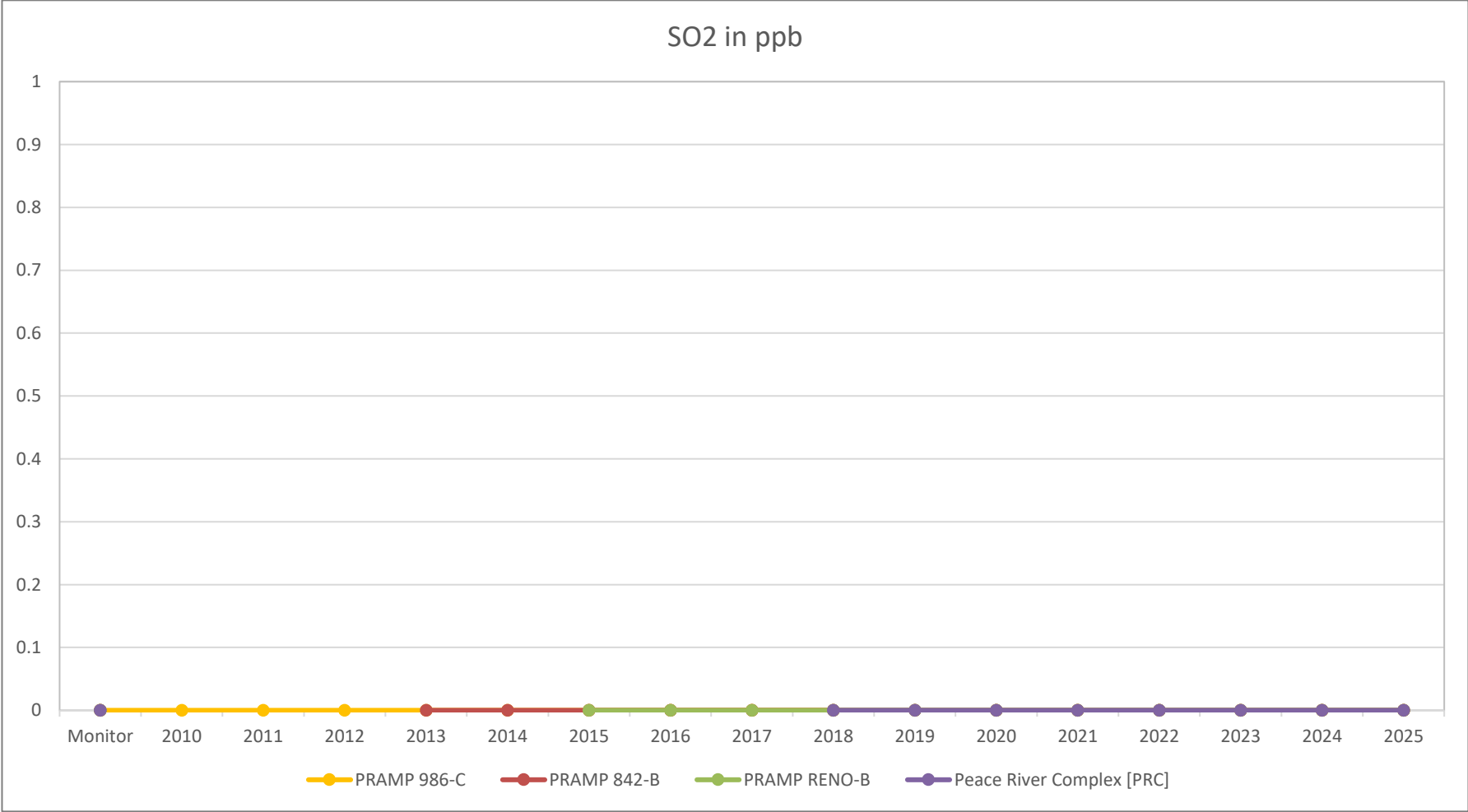
2.5 Non-Methane Hydrocarbons (NMHC)



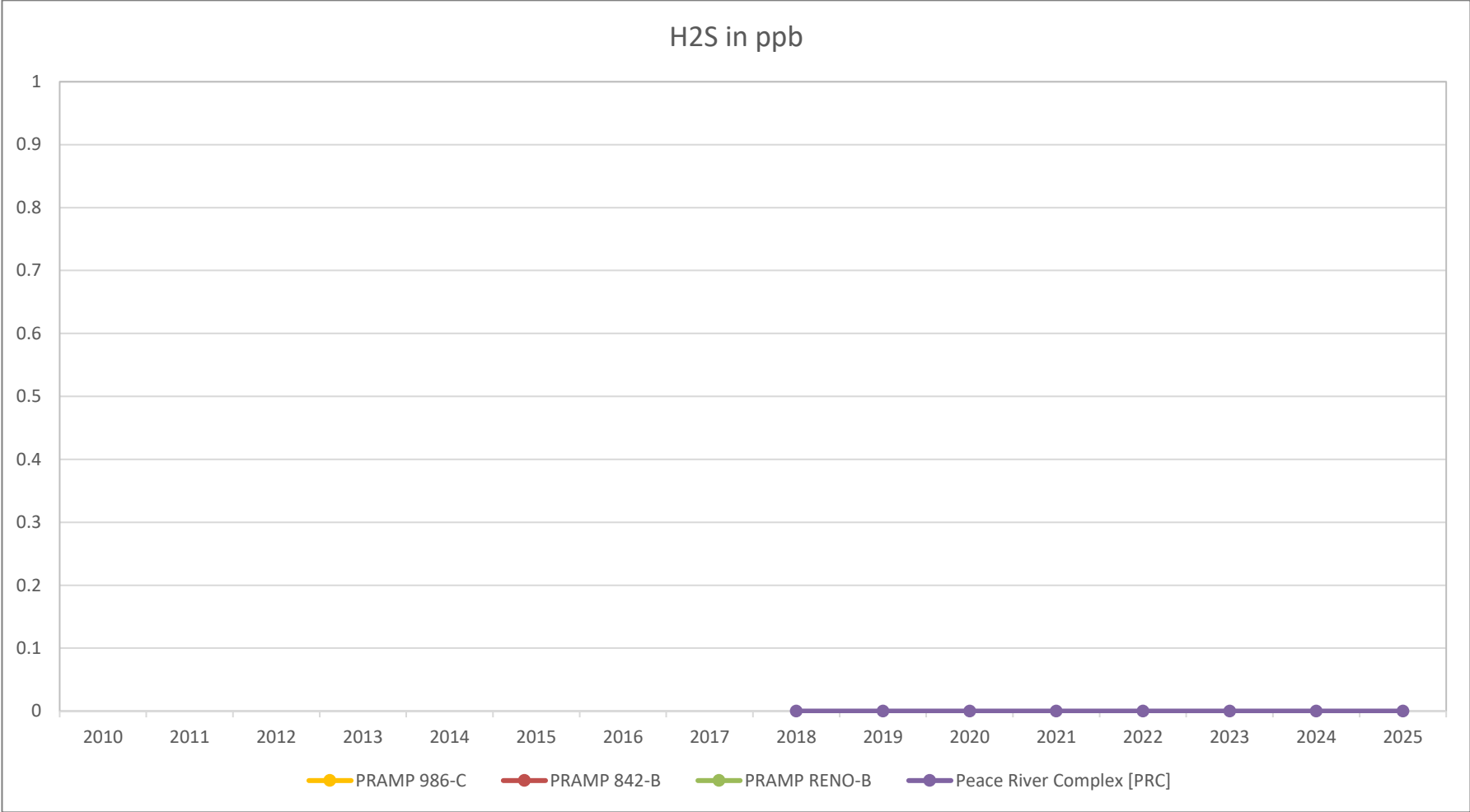
3.0 Continuous Monitoring 16- Year Charts (2010 – 2025) of Hourly and Annual Average Concentrations

Only data collected at the 986-C, 842-B, Reno-B and PRC stations are included in this long-term data study. As the AQHI portable monitoring station only collects data at one location for approximately 24 months, it does not provide enough data for long-term trend study; therefore, they are excluded from this section.

3.1 Sulphur Dioxide (SO2)

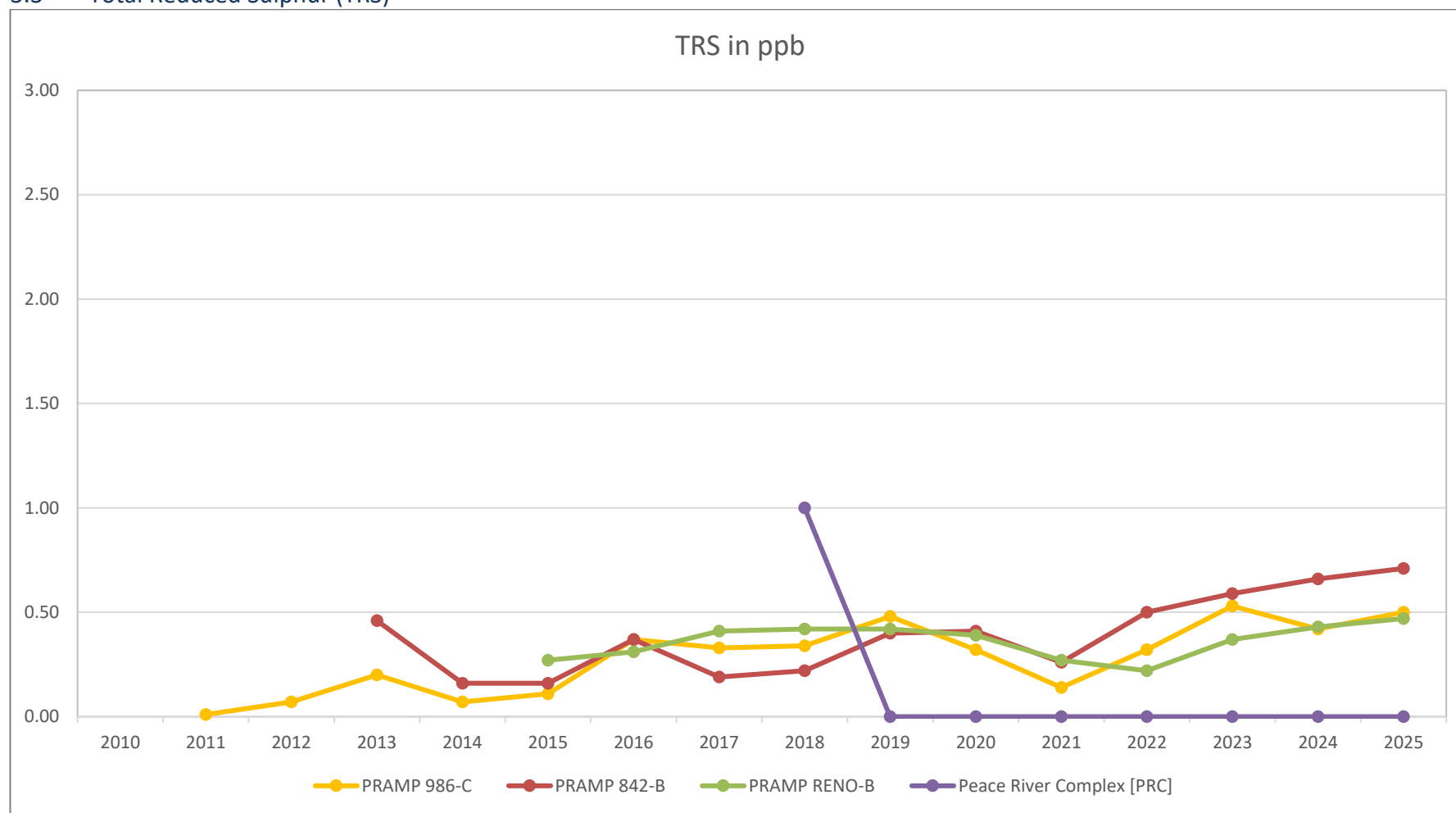


3.2 Hydrogen Sulphide (H2S)



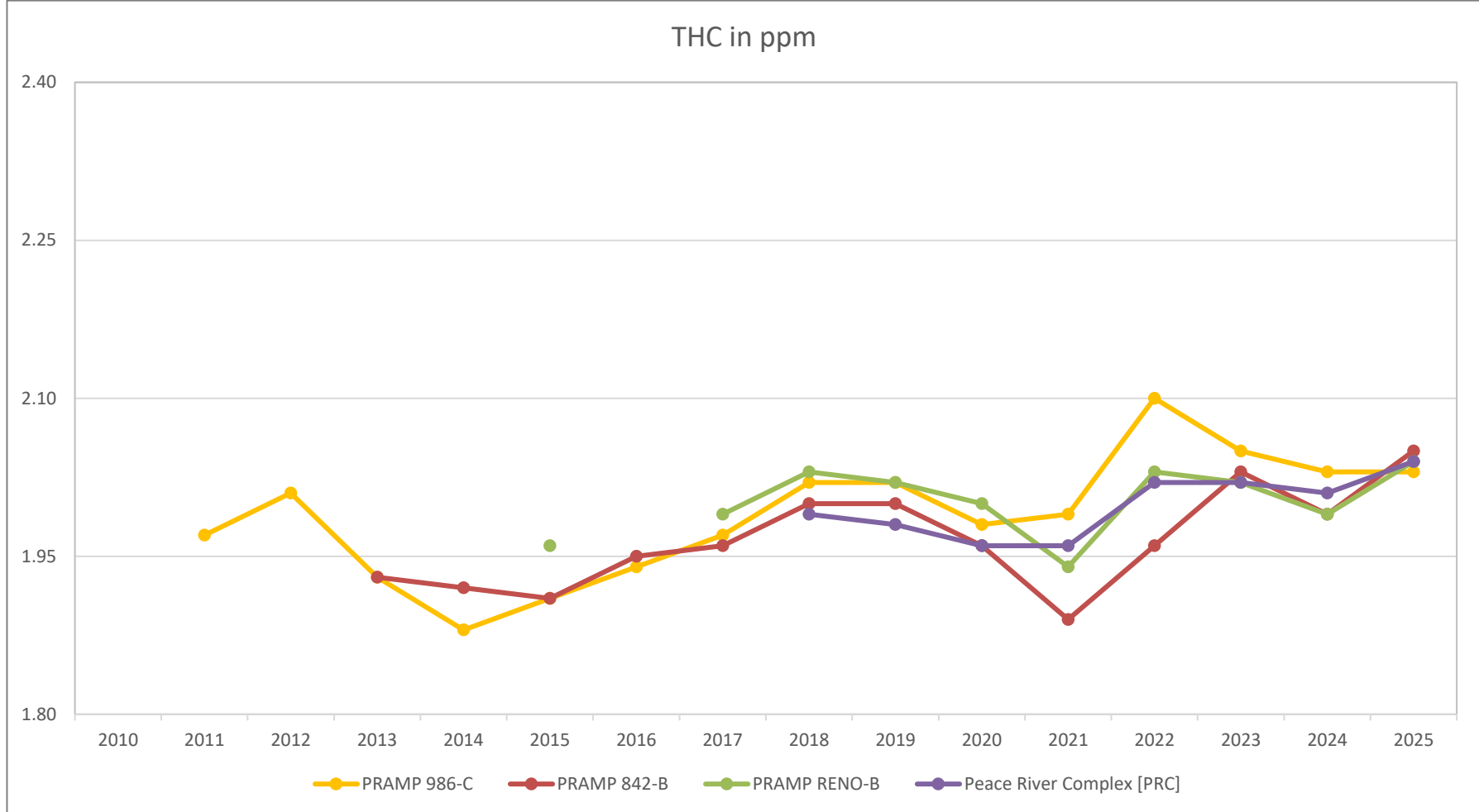
Note: H2S was only monitored at the PRC station.

3.3 Total Reduced Sulphur (TRS)



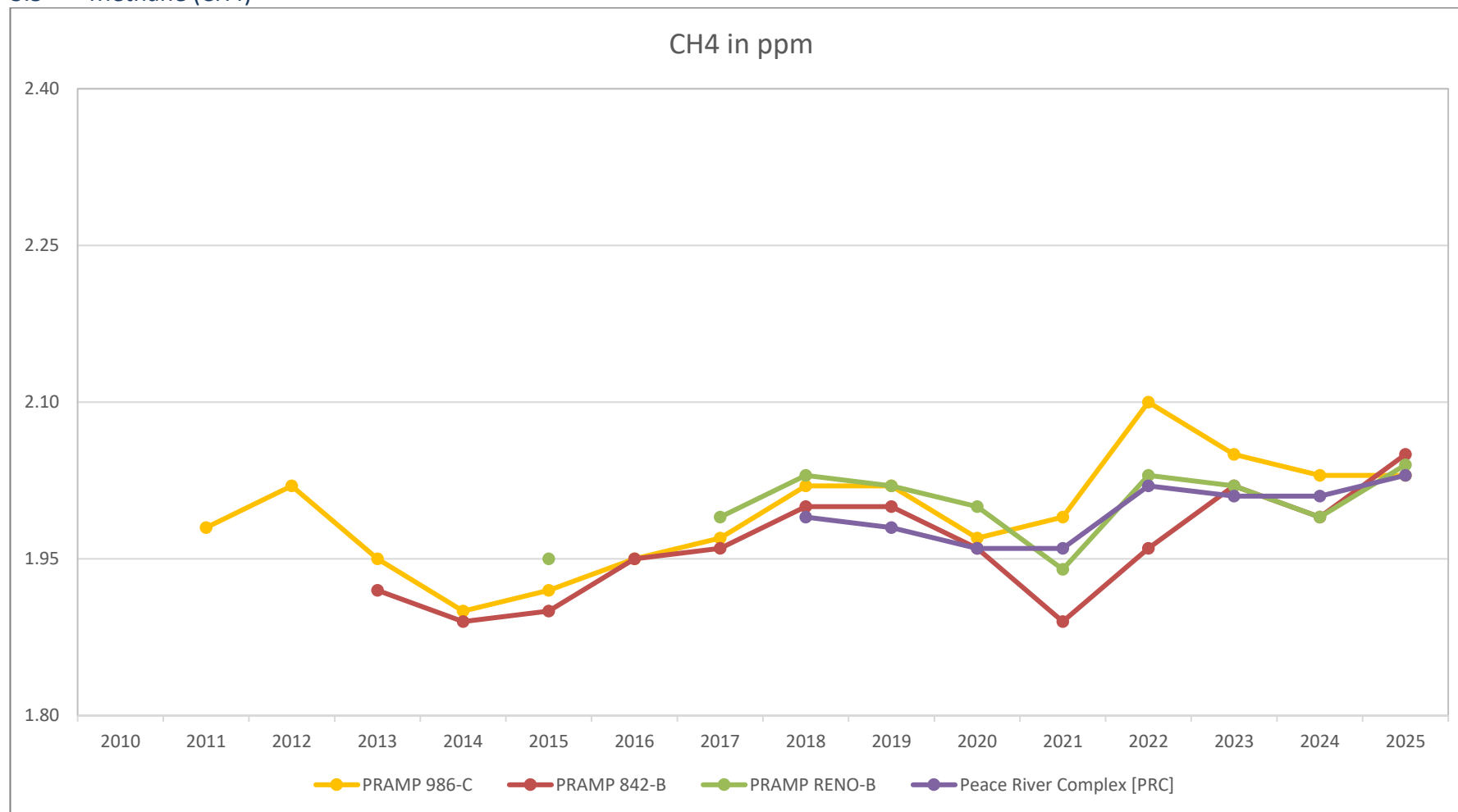
Note: The analyzer precision was recorded to two decimal places, whereas the instrument at the PRC station could only record values to zero decimal places.

3.4 Total Hydrocarbons (THC)



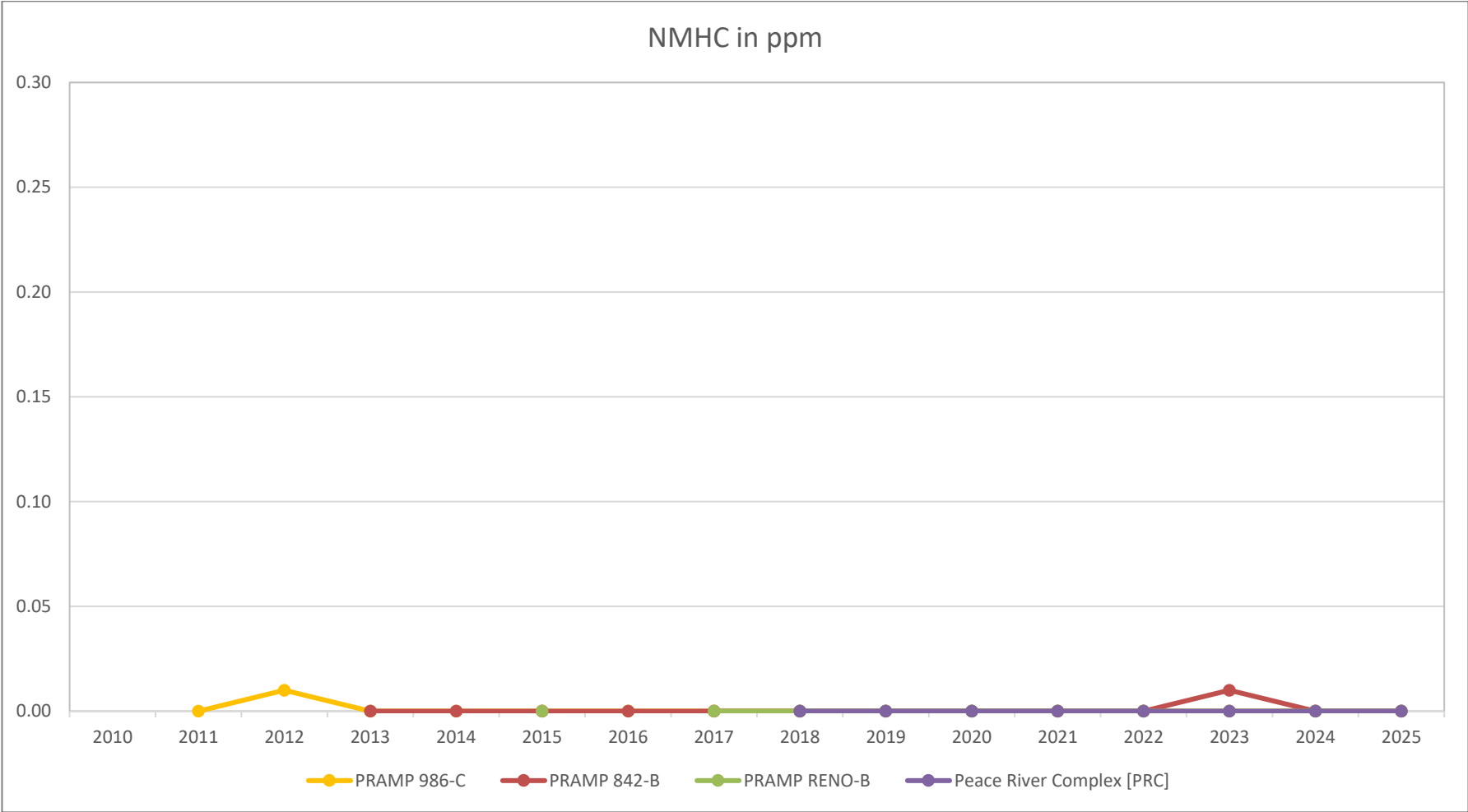
Note: The monitoring program was paused at the Reno station in 2016.

3.5 Methane (CH₄)



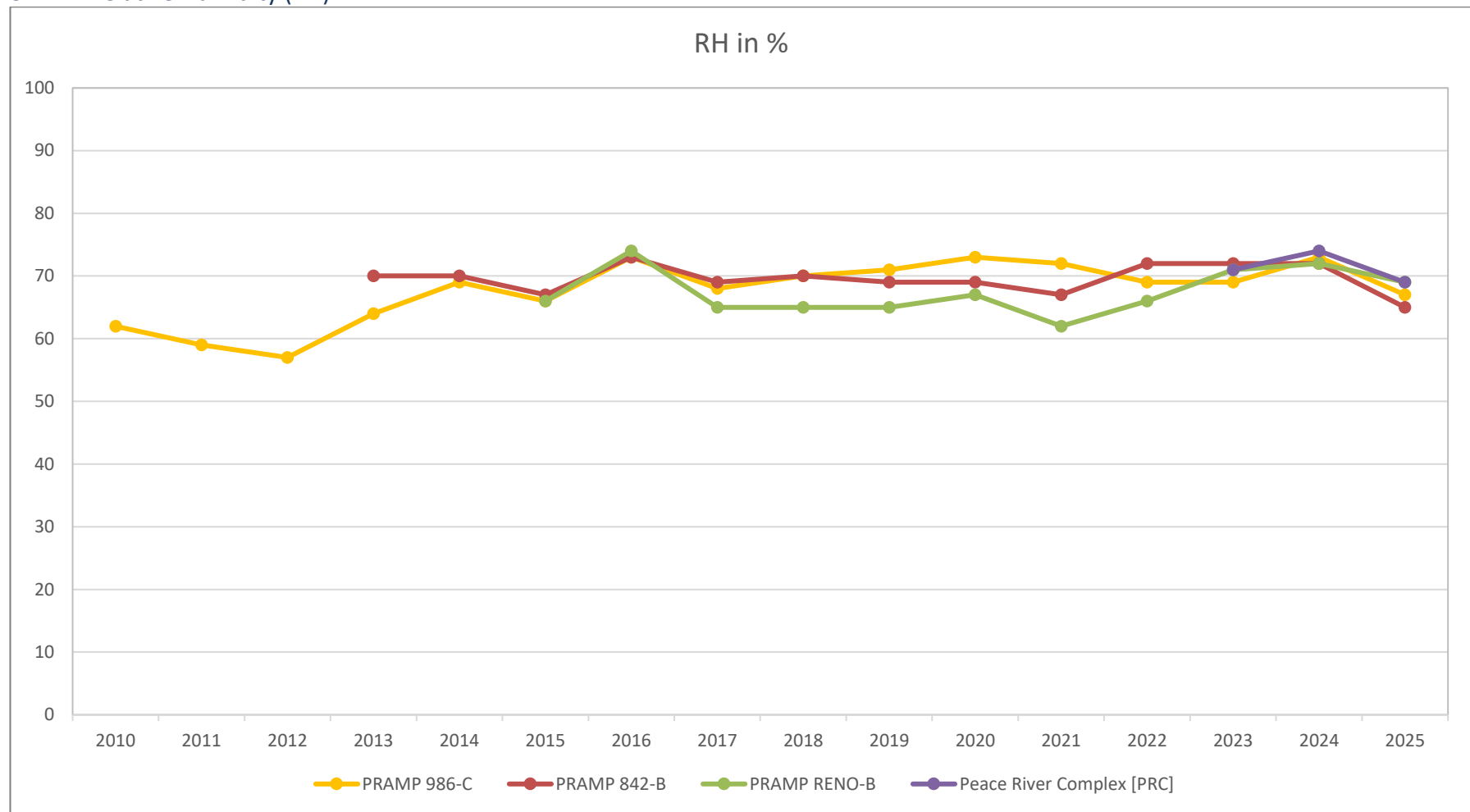
Note: The monitoring program was paused at the Reno station in 2016.

3.6 Non-Methane Hydrocarbons (NMHC)

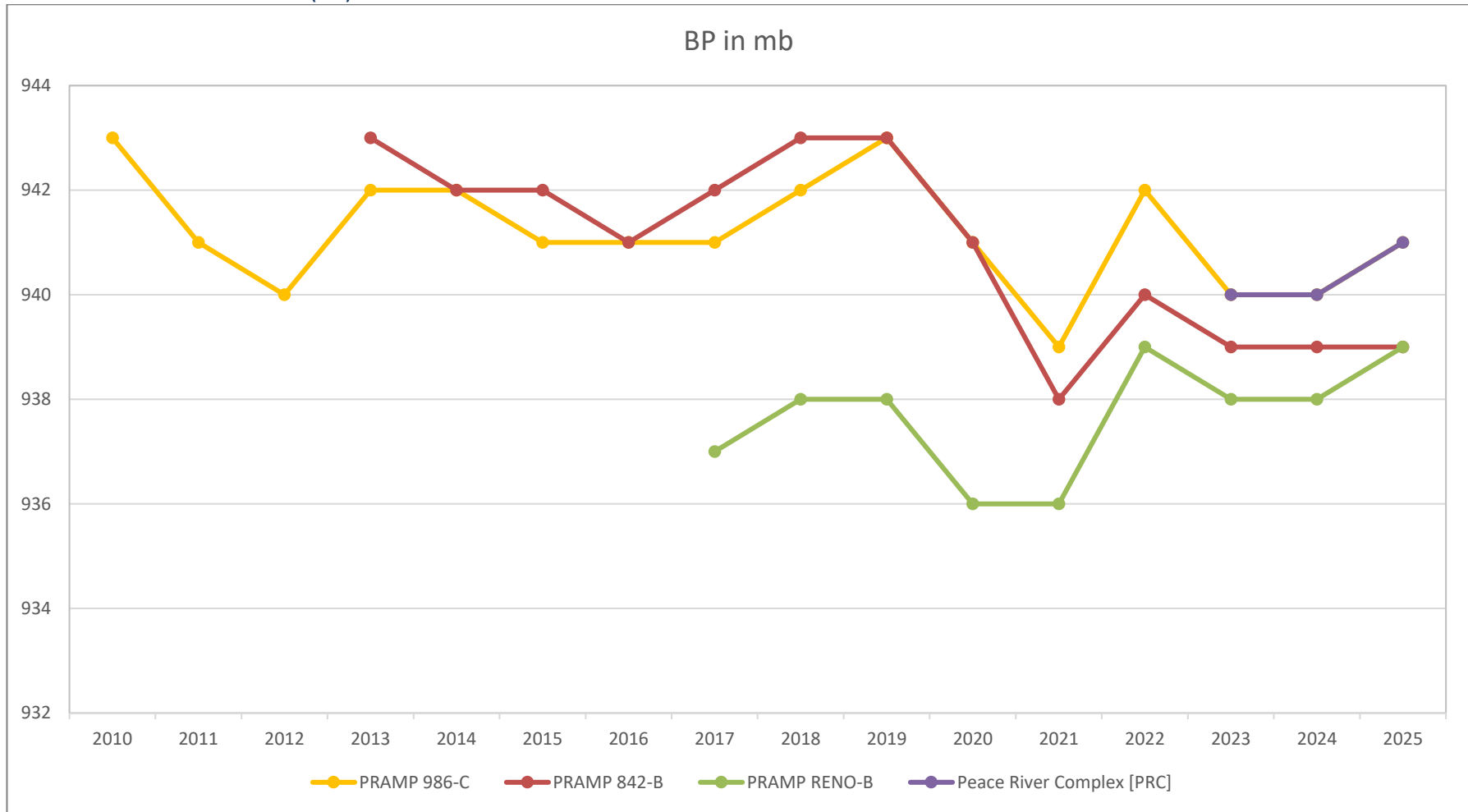


Note: The monitoring program was paused at the Reno station in 2016.

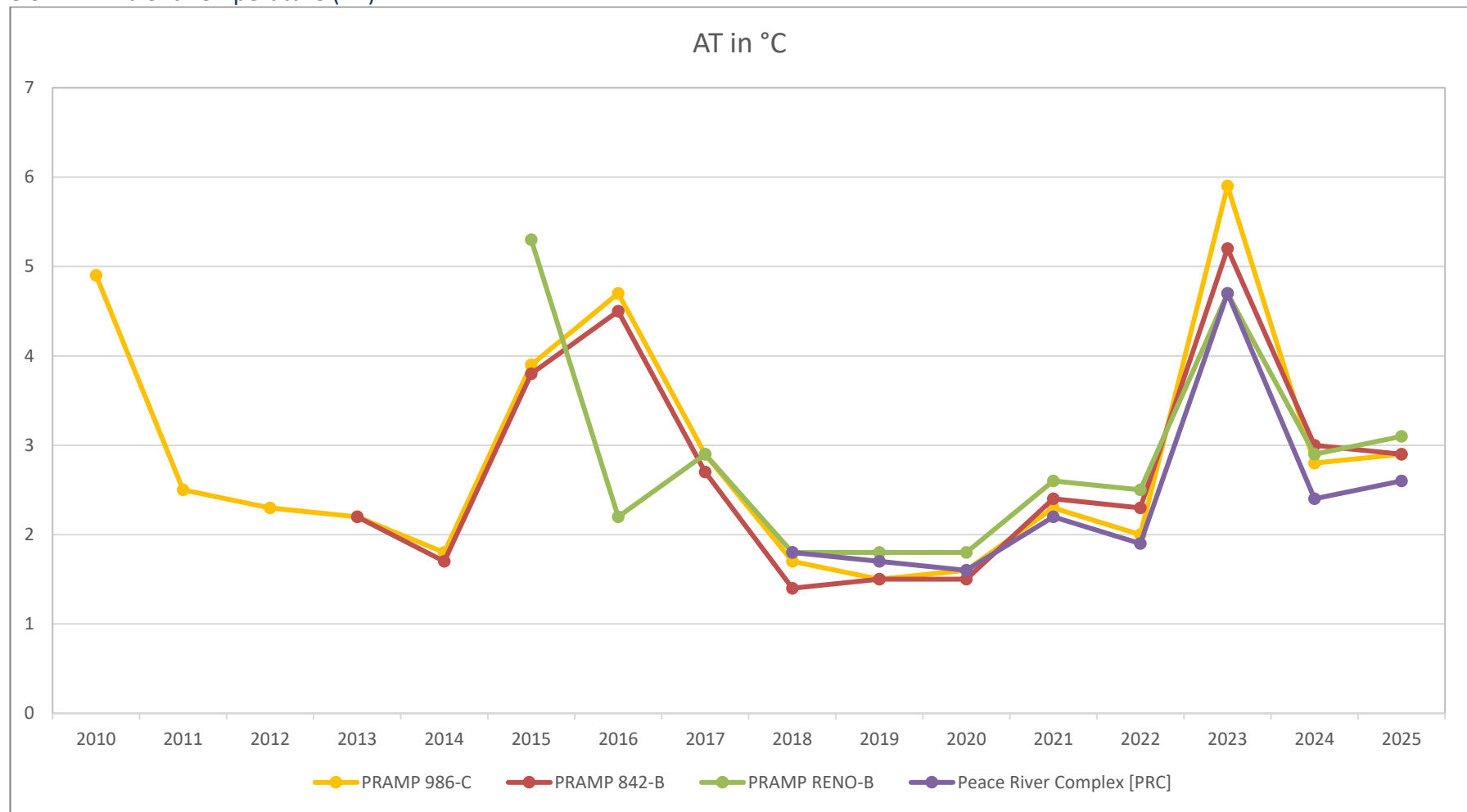
3.7 Relative Humidity (RH)



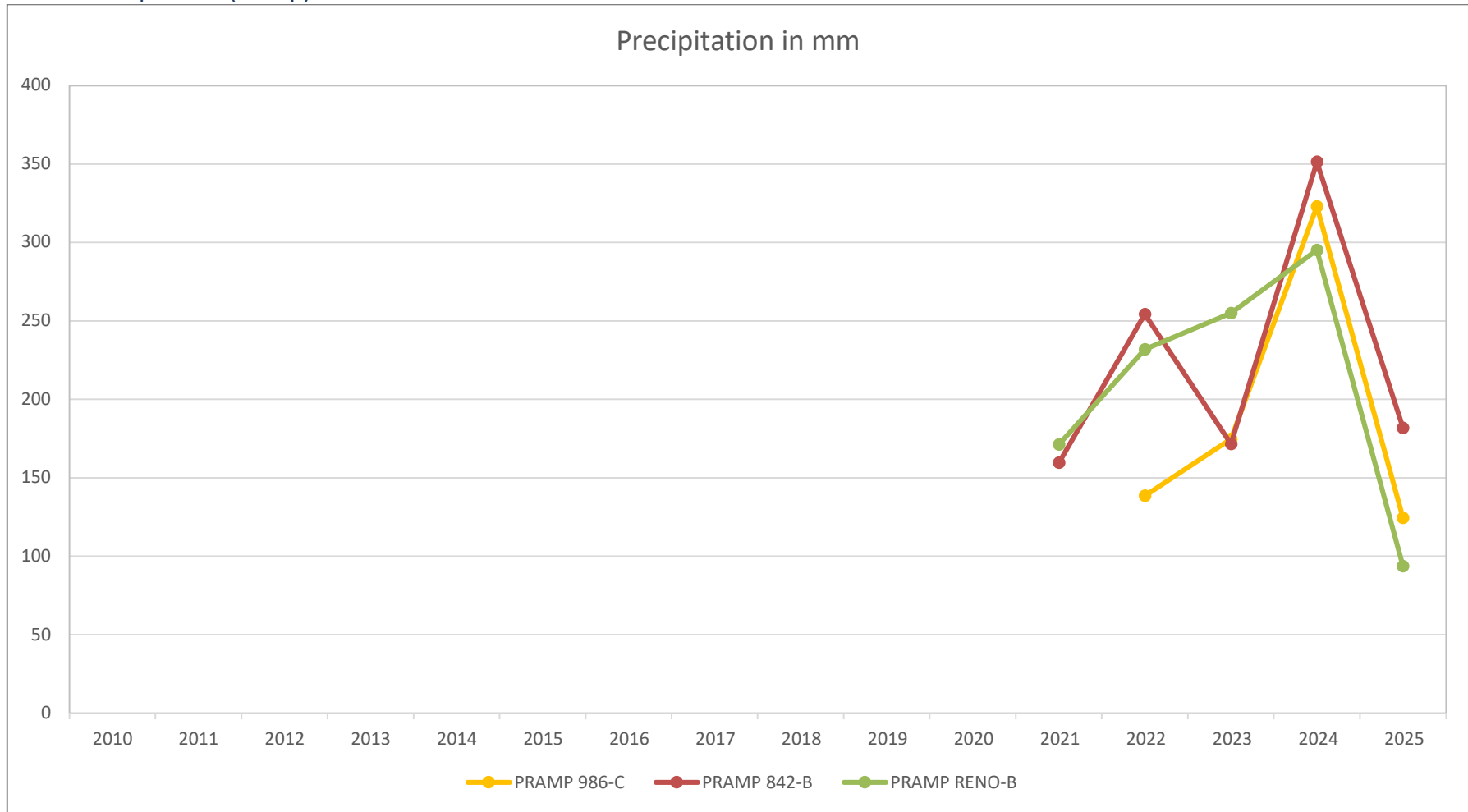
3.8 Barometric Pressure (BP)



3.9 Ambient Temperature (AT)

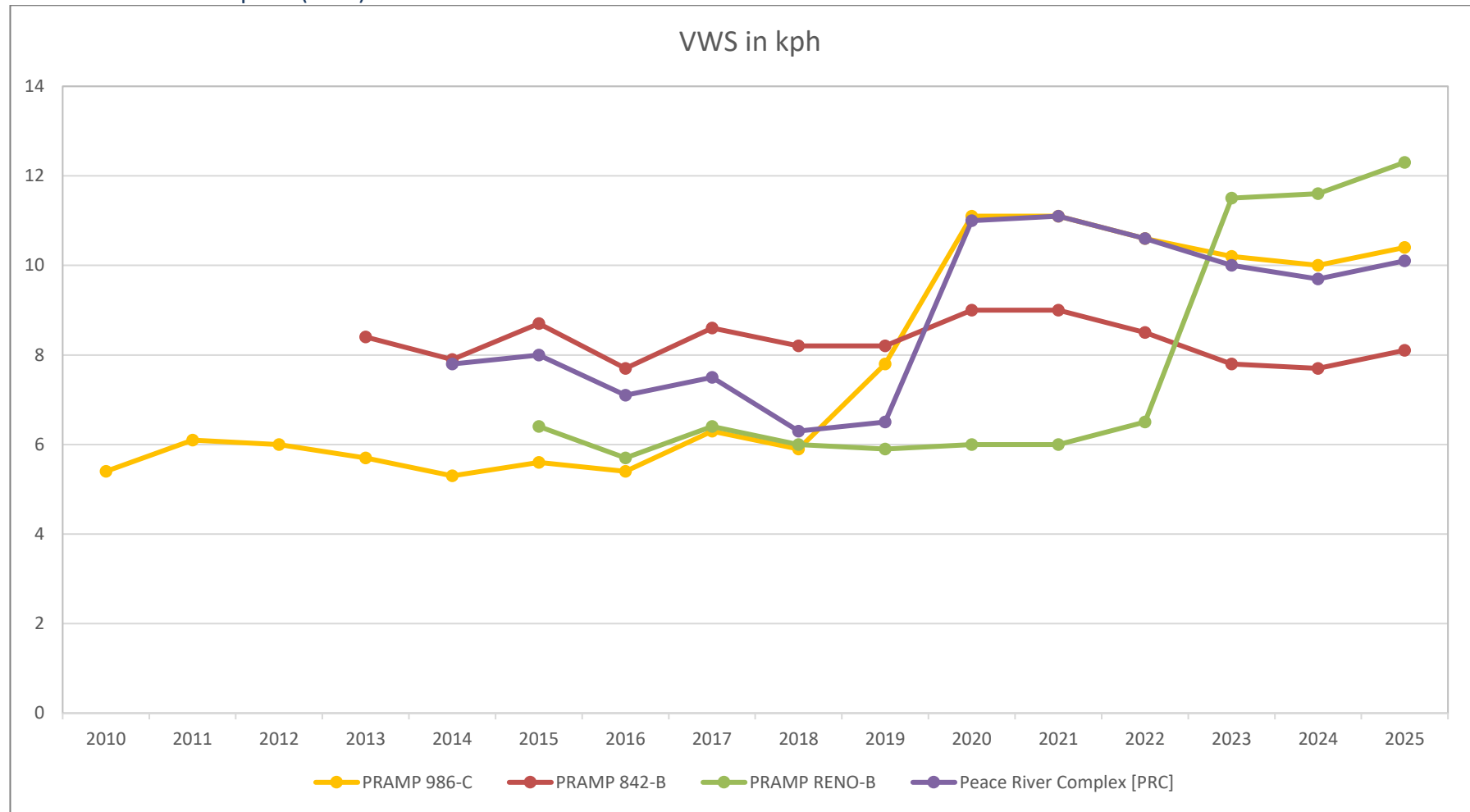


3.10 Precipitation (Precip)

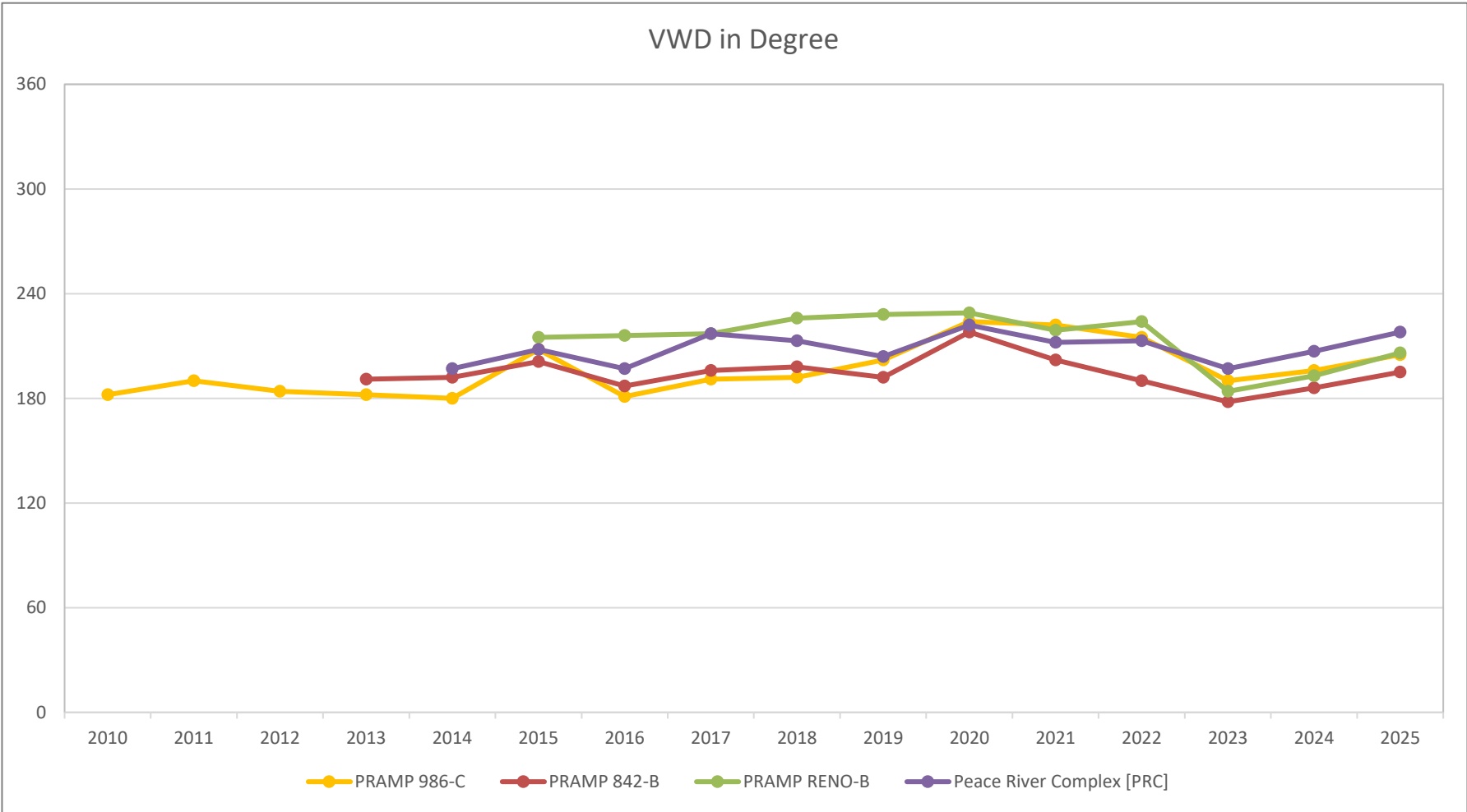


Note: 1) Values on this chart are the total amount of precipitation collected in the year.
2) No precipitation monitoring program is conducted at the PRC station.

3.11 Vector Wind Speed (VWS)



3.12 Vector Wind Direction (VWD)



4.0 Integrated Monitoring Statistics Summaries – 2025

4.1 Passive Sampling System

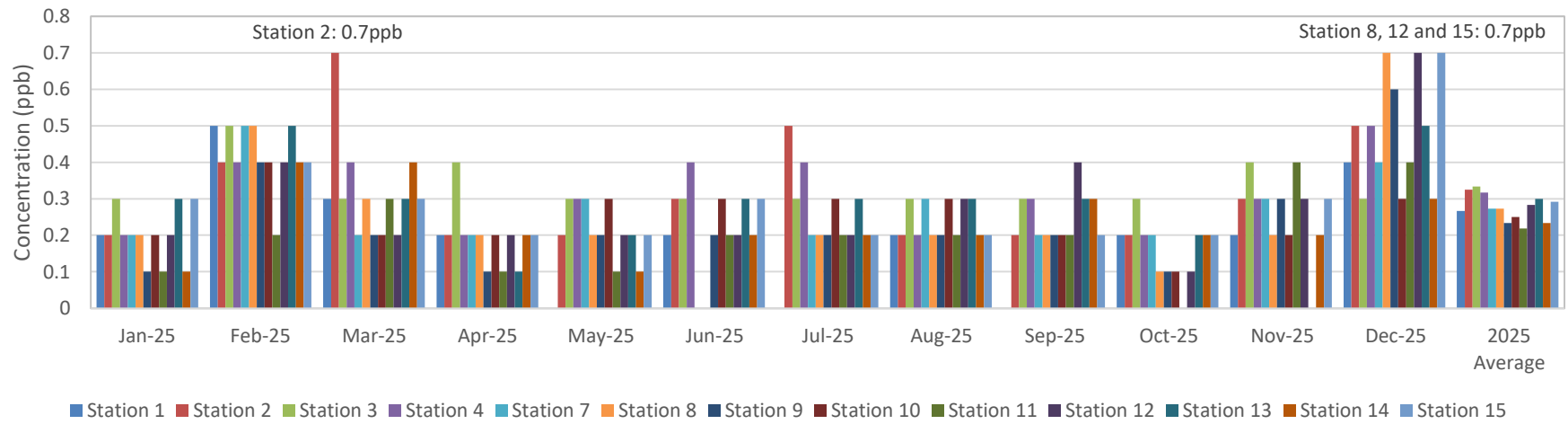
4.1.1 Sulphur Dioxide (SO₂)

Station	Annual Average	Maximum	Month	Minimum	Month	# of Samples
1	0.3	0.5	February	0.2	January	9
2	0.3	0.7	March	0.2	January	12
3	0.3	0.5	February	0.3	January	12
4	0.3	0.5	December	0.2	January	12
7	0.3	0.5	February	0.2	January	11
8	0.3	0.7	December	0.1	October	11
9	0.2	0.6	December	0.1	January	12
10	0.3	0.4	February	0.1	October	12
11	0.2	0.4	November	<0.1	October	12
12	0.3	0.7	December	0.1	October	12
13	0.3	0.5	February	0.1	April	11
14	0.2	0.4	February	0.1	January	12
15	0.3	0.7	December	0.2	April	12

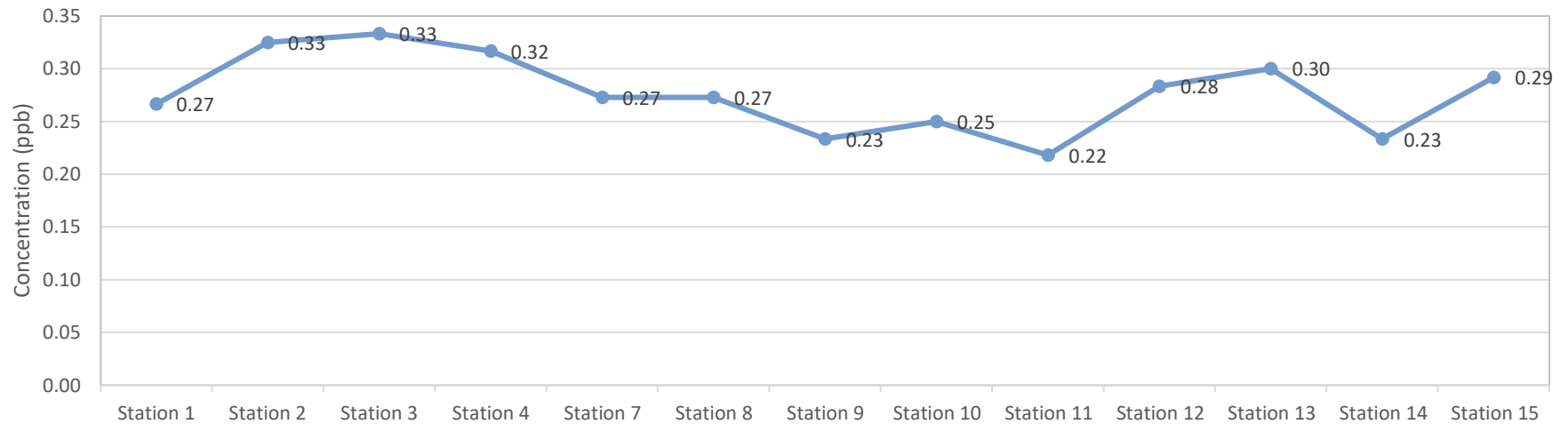
Notes: Concentration in ppb

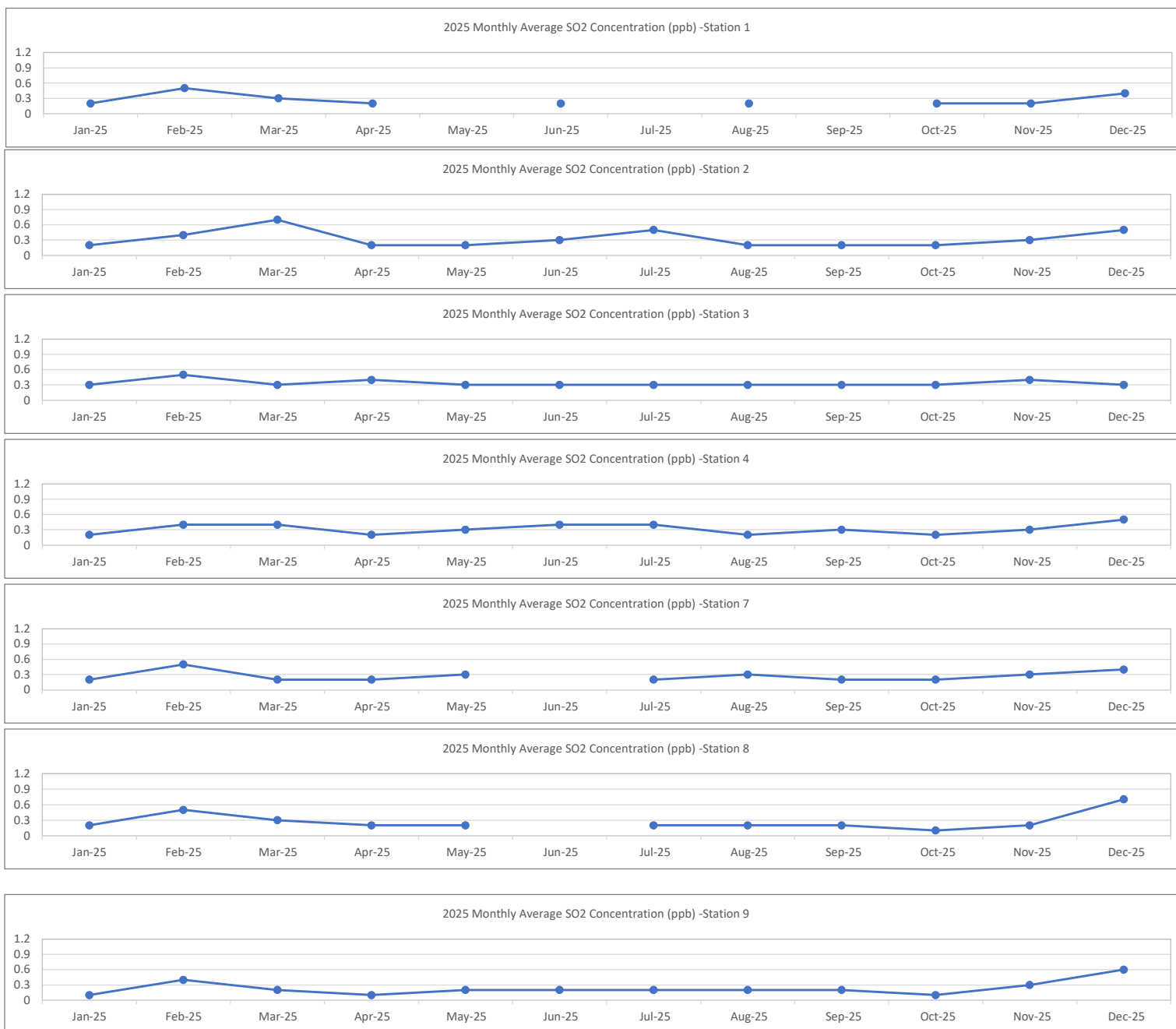
1. Station #1: Sample media was either missing or destroyed in May, July and September. No analytical results were available.
2. Station #7: Sample media was either missing or destroyed in June. No analytical results were available.
3. Station #8: Sample media was either missing or destroyed in June. No analytical results were available.
4. Station #13: Sample media was either missing or destroyed in November. No analytical results were available.

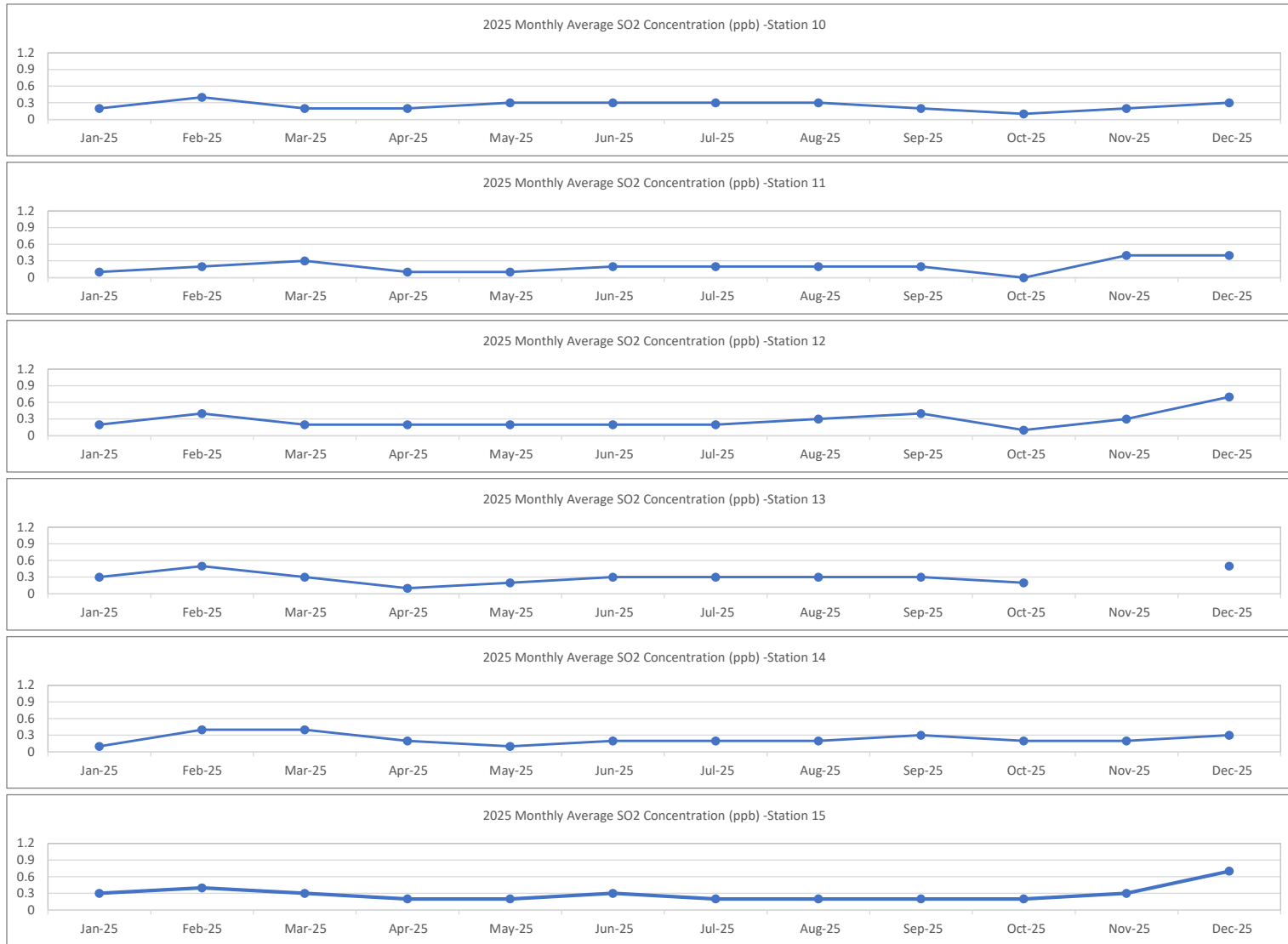
2025 SO2 Monthly Average Concentrations



2025 SO2 Annual Average Concentrations



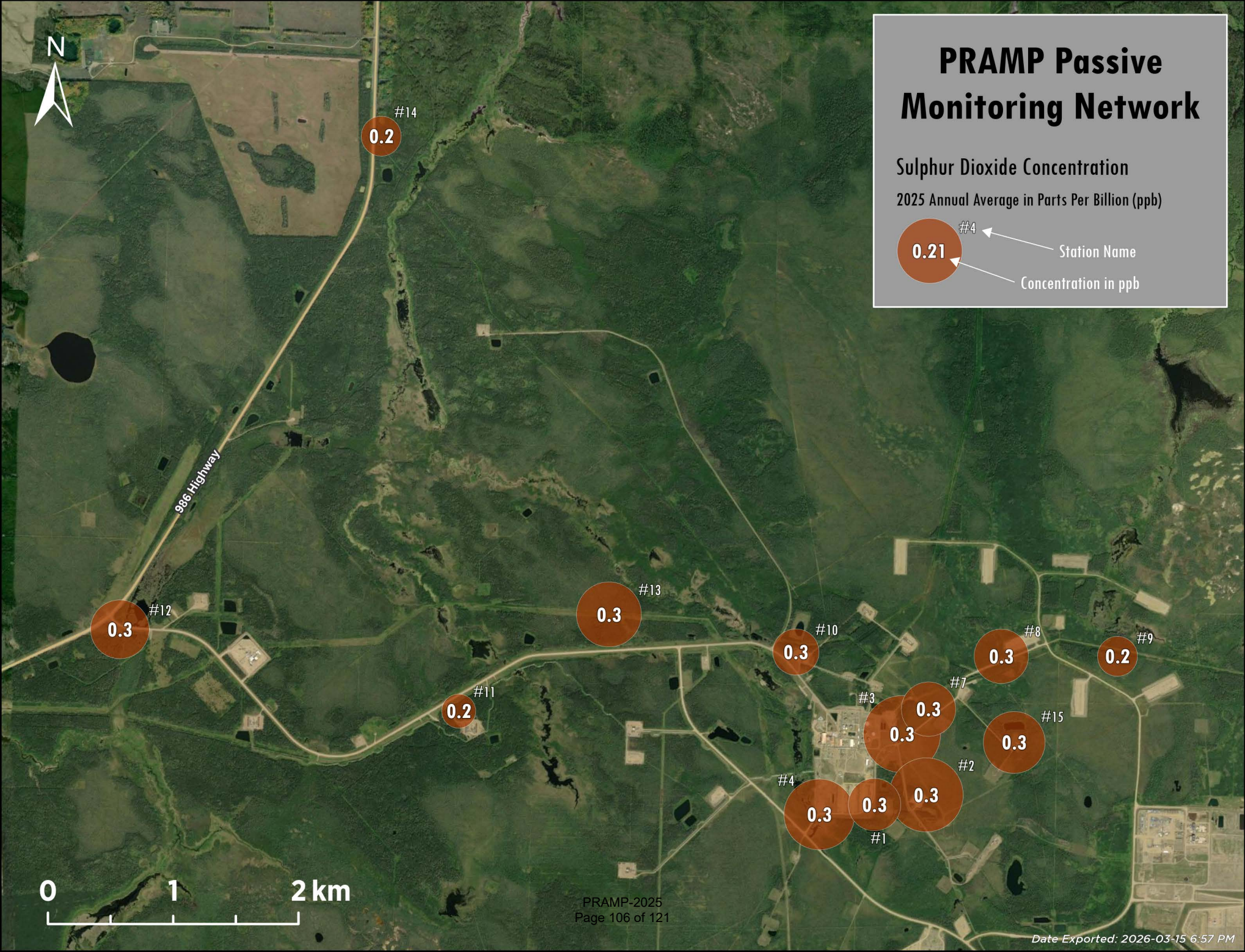
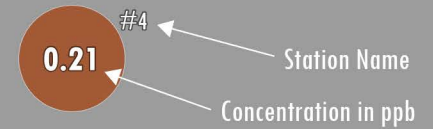






PRAMP Passive Monitoring Network

Sulphur Dioxide Concentration
2025 Annual Average in Parts Per Billion (ppb)



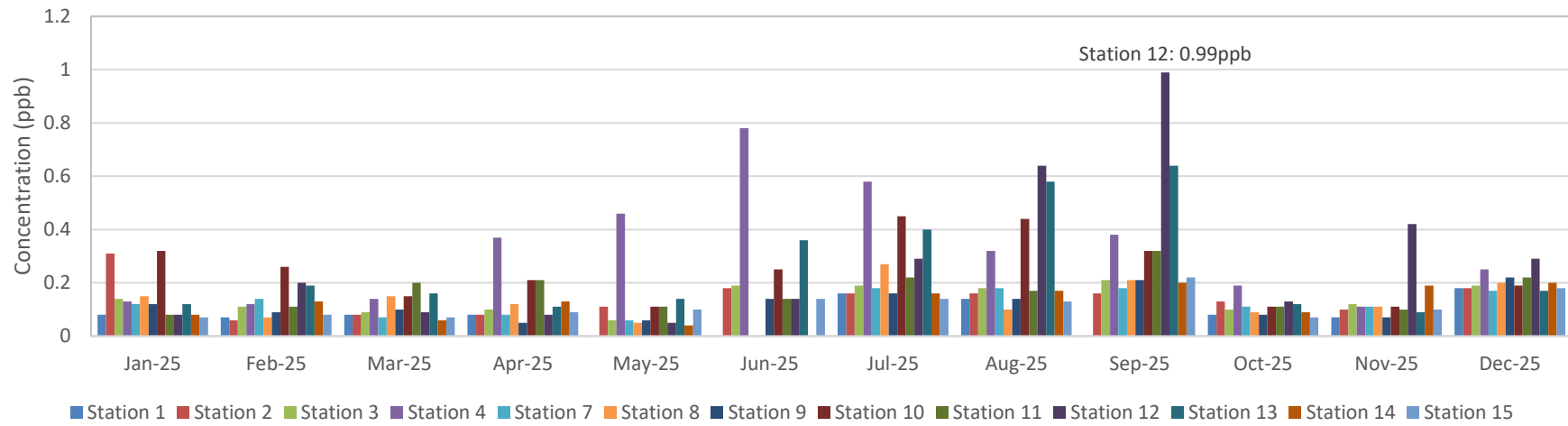
4.1.2 Hydrogen Sulphide (H₂S)

Station	Annual Average	Maximum	Month	Minimum	Month	# of Samples
1	0.10	0.18	December	0.07	February	9
2	0.14	0.31	January	0.06	February	12
3	0.14	0.21	September	0.06	May	12
4	0.32	0.78	June	0.11	November	12
7	0.13	0.18	July	0.06	May	11
8	0.14	0.27	July	0.05	May	11
9	0.12	0.22	December	0.05	April	12
10	0.24	0.45	July	0.11	May	12
11	0.17	0.32	September	0.08	January	12
12	0.28	0.99	September	0.05	May	12
13	0.26	0.64	September	0.09	November	12
14	0.13	0.20	September	0.04	May	11
15	0.12	0.22	September	0.07	January	12

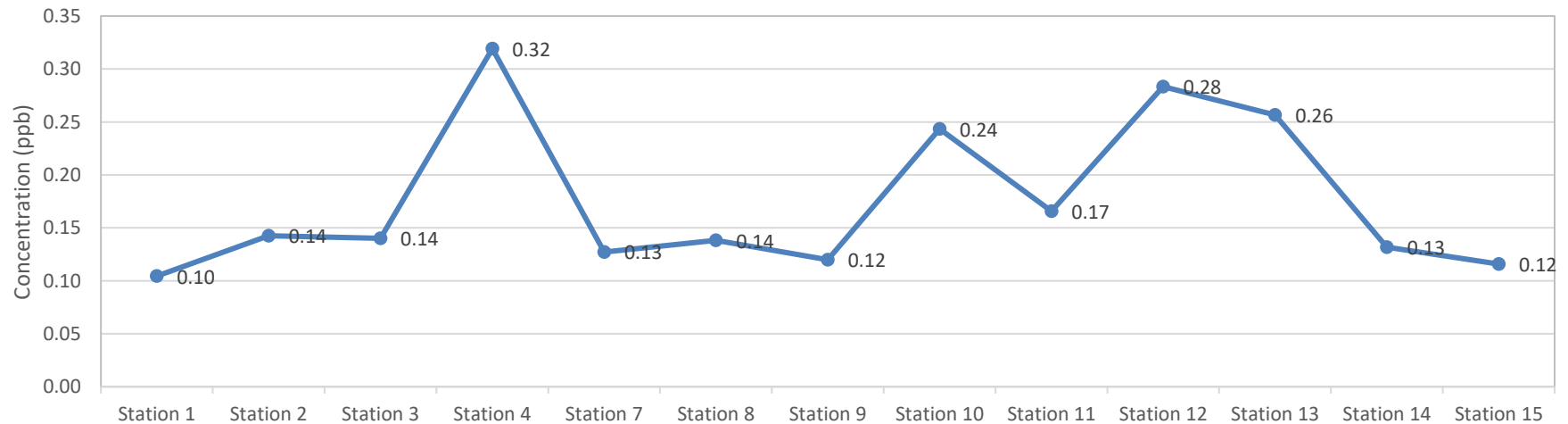
Notes: Concentration in ppb

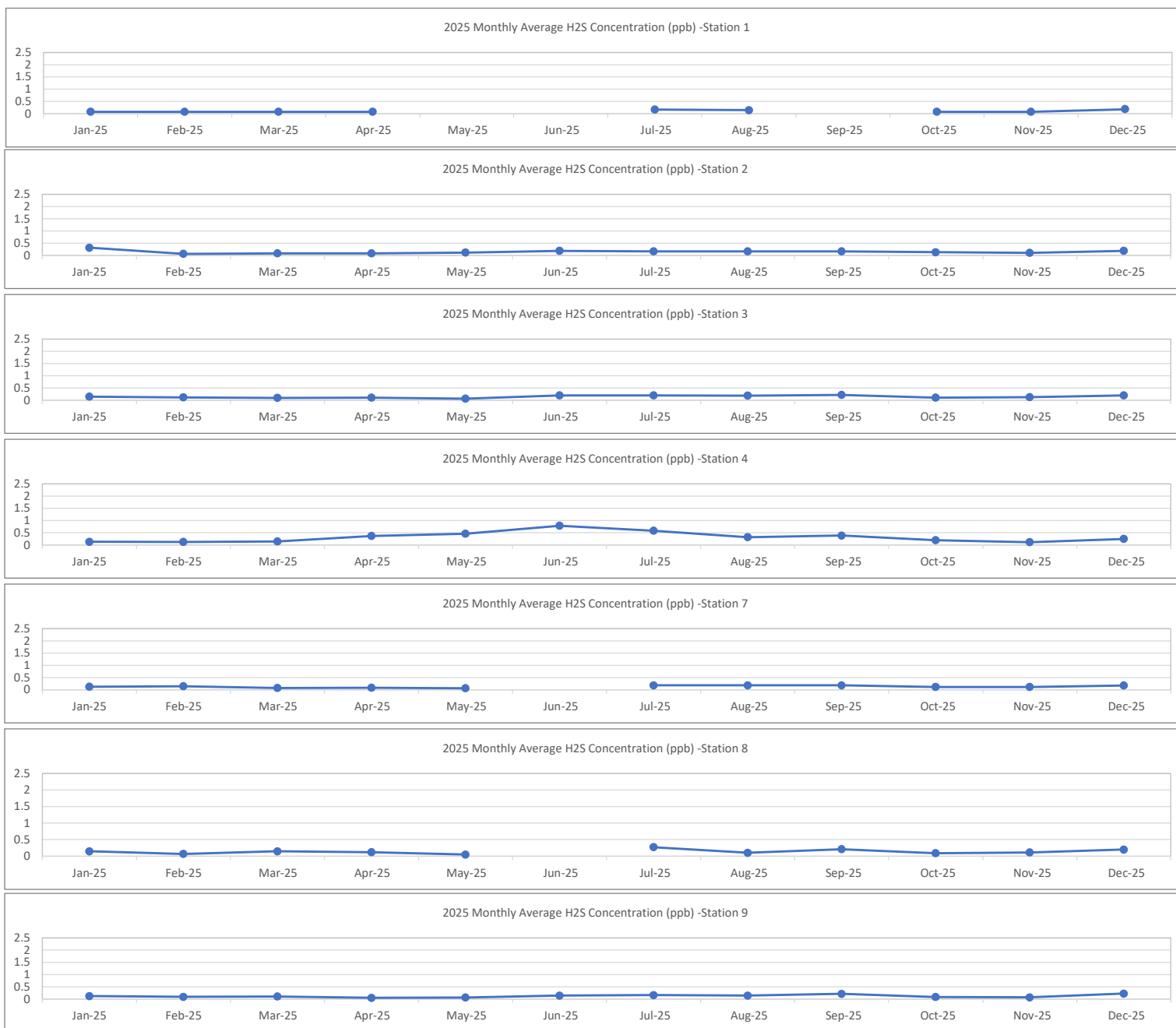
1. Station #1: Sample media was either missing or destroyed in May, June and September. No analytical results were available.
2. Station #7: Sample media was either missing or destroyed in June. No analytical results were available.
3. Station #8: Sample media was either missing or destroyed in June. No analytical results were available.
4. Station #14: Sample media was either missing or destroyed in June. No analytical results were available.

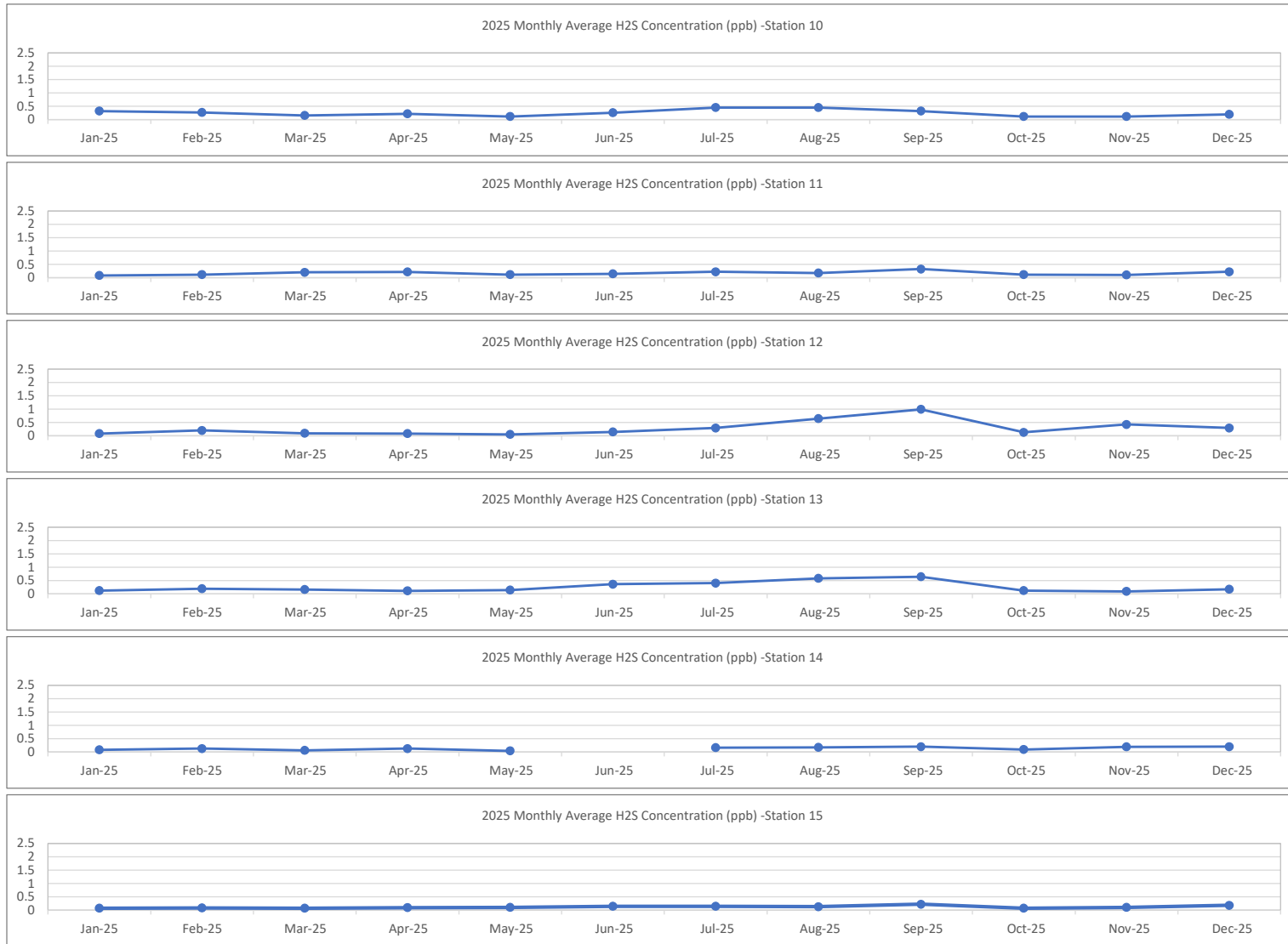
2025 H2S Monthly Average Concentrations



2025 H2S Annual Average Concentrations



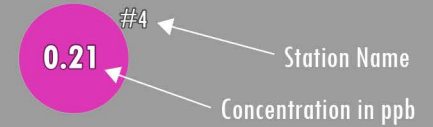






PRAMP Passive Monitoring Network

Hydrogen Sulphide Concentration
2025 Annual Average in Parts Per Billion (ppb)



#14
0.13

#12
0.28

#11
0.17

#13
0.26

#10
0.24

#8
0.14

#9
0.12

#7
0.13

#15
0.12

#3
0.14

#4
0.32

#1
0.10

#2
0.14

0 1 2 km

4.2 NMHC Canister Sampling System

Sample Date/Time	Canister Triggered Conc. (ppm)	Station	Canister ID	Method	Maximum Reading (ppmv)	Parameter
2025-09-03@07:45	1.76	842-B	28886	NA-025	1.6	Methane
				NA-024	n/a	n/a
				AC-058	14.7	Isobutane
2025-10-23 @04:05	0.32	Reno-B	29015	NA-025	1.8	Methane
				NA-024	n/a	n/a
				AC-058	3.2	Acetone

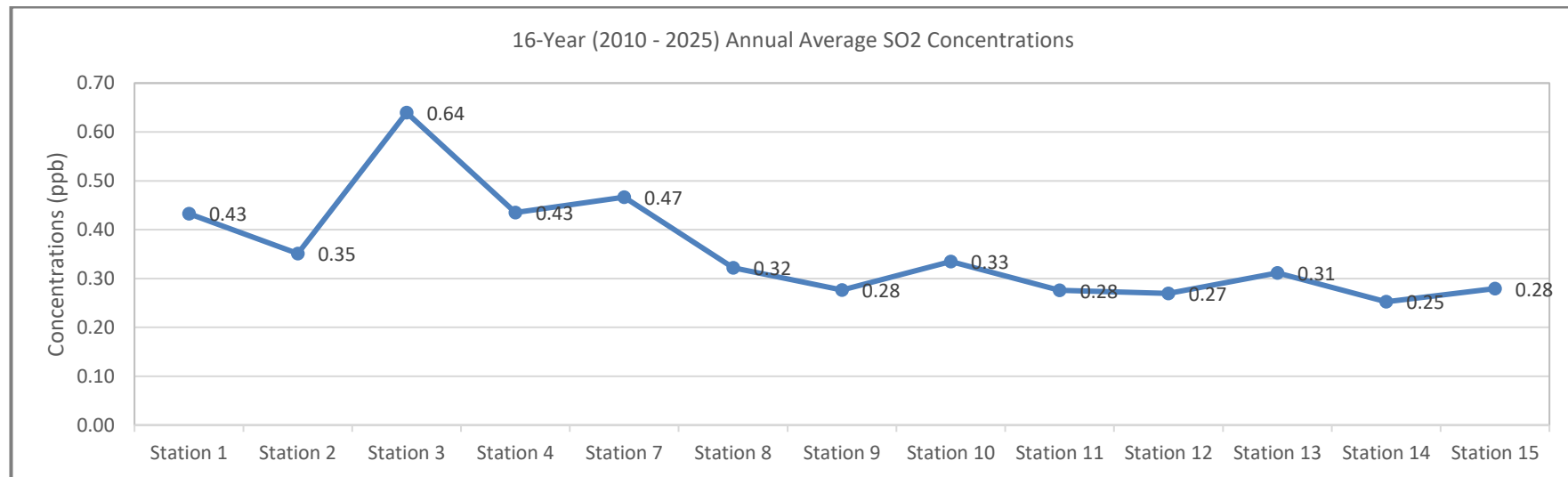
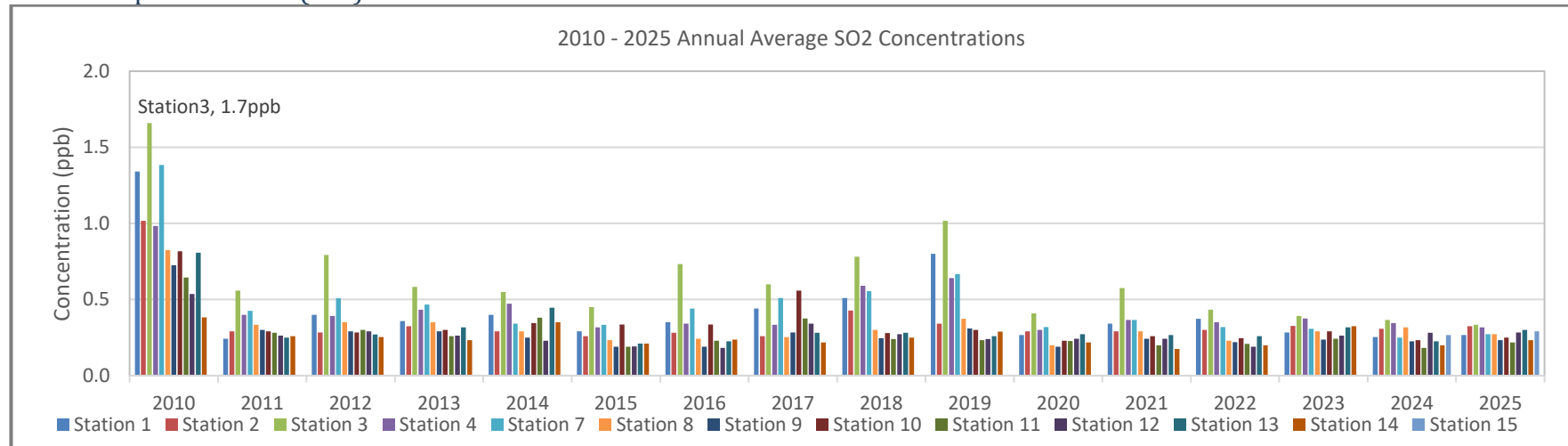
Note: "n/a" indicates that the analytical result is below the reportable limit of the method.

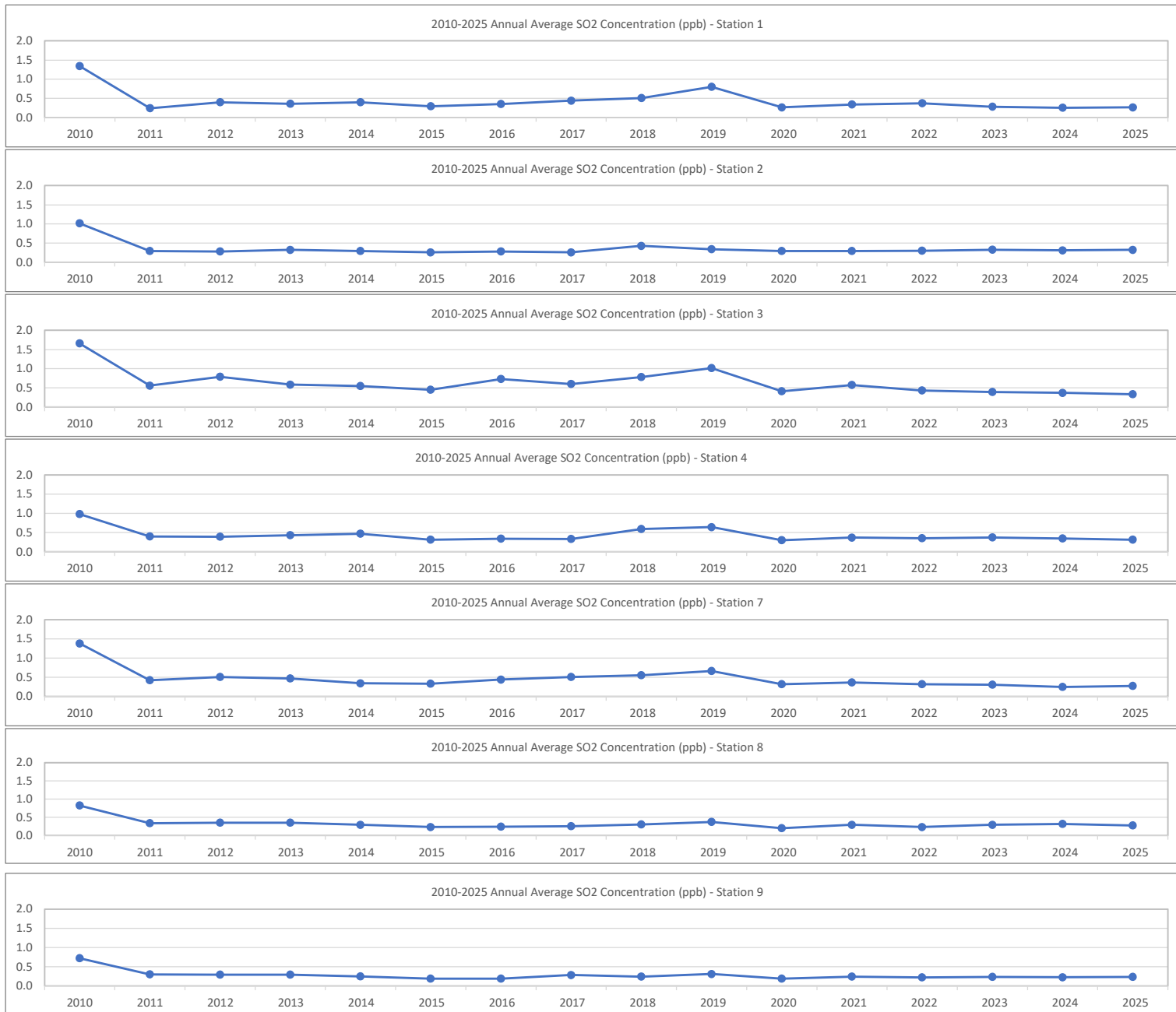
5.0 Integrated Monitoring 16-Year (2010- 2025) Charts of Annual Average Concentrations

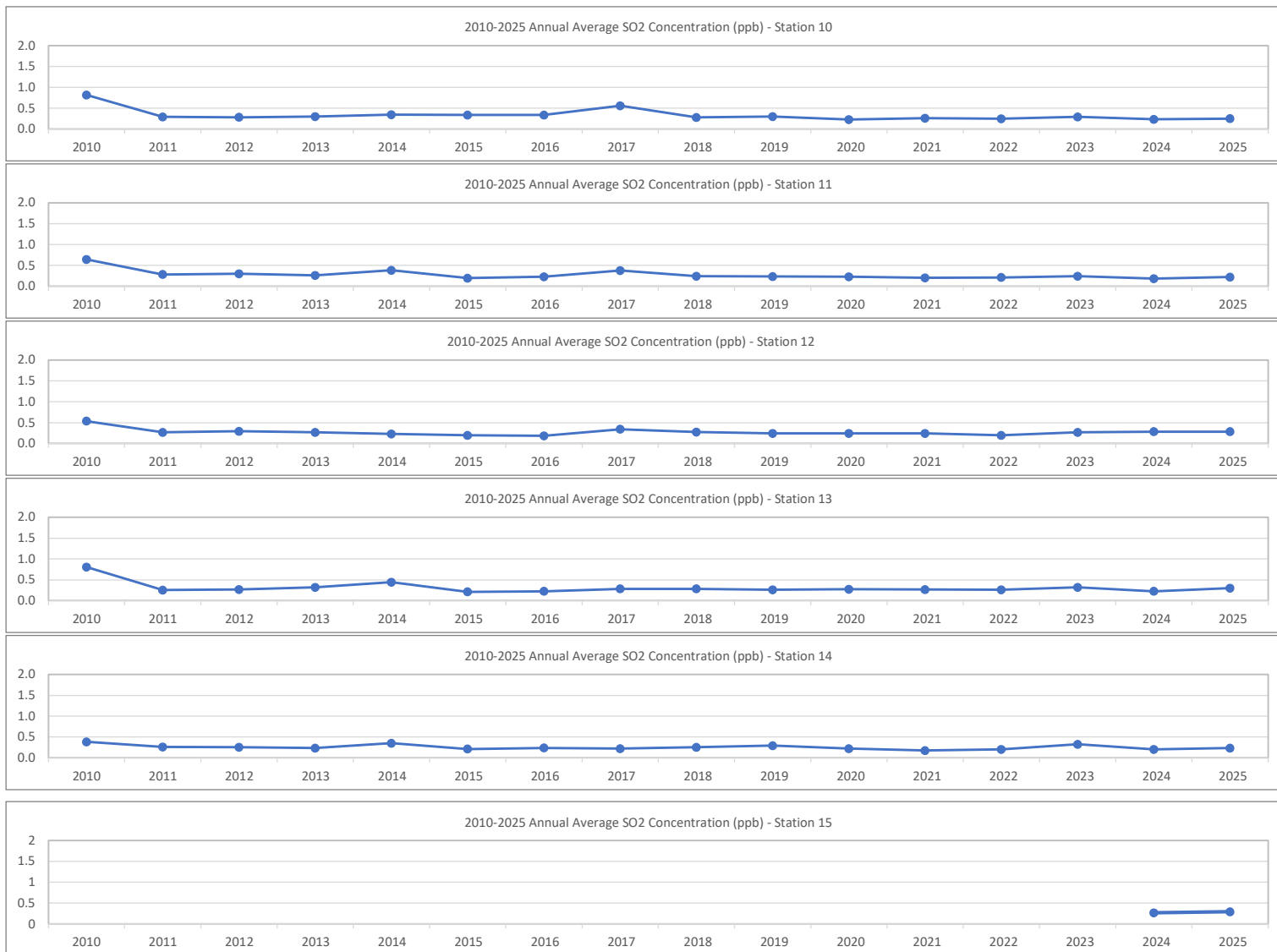
Each canister sample is considered a discrete collection event and not part of a continuous record of monitoring; it is therefore not visualized in this section.

5.1 Passive Sampling System

5.1.1 Sulphur Dioxide (SO₂)

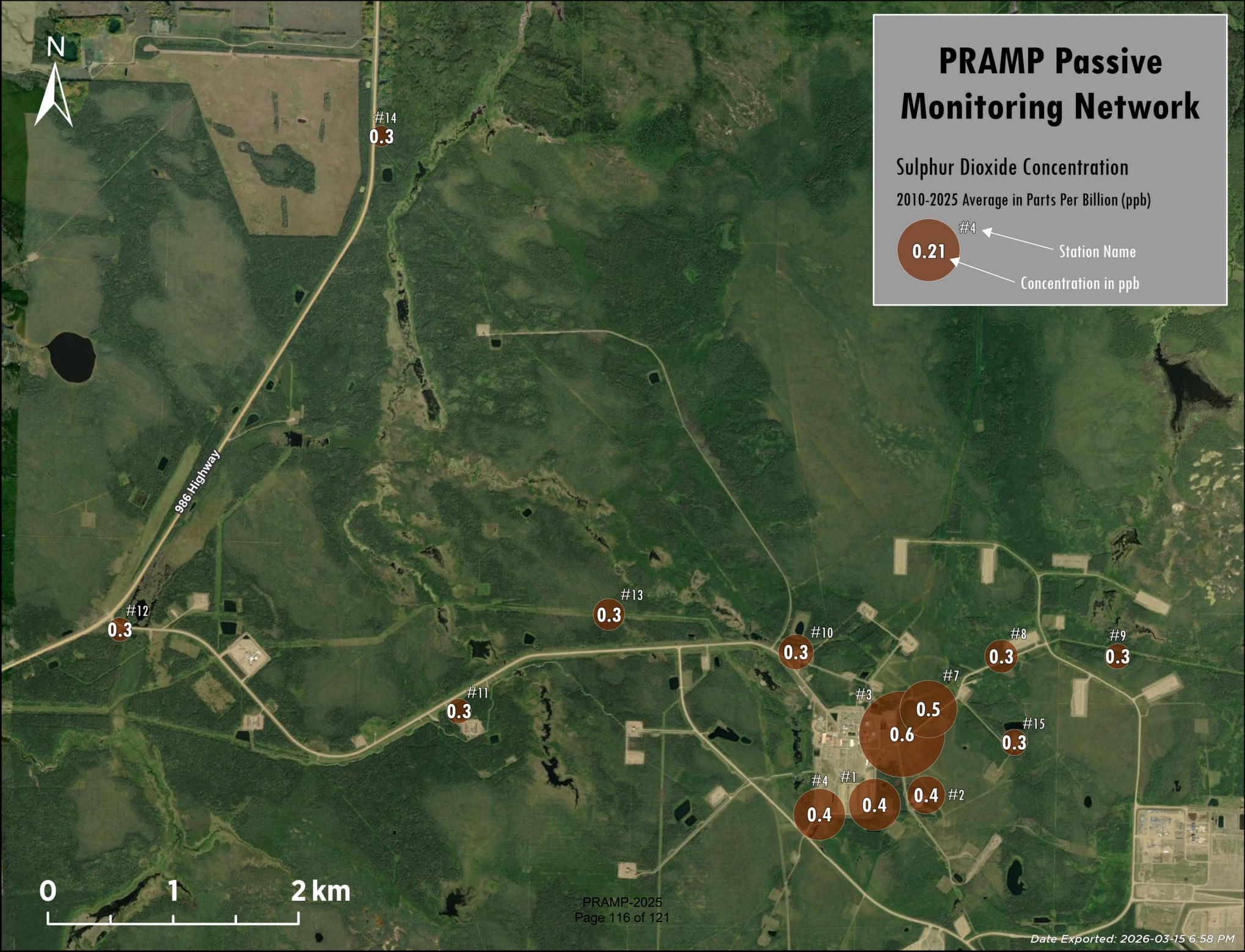
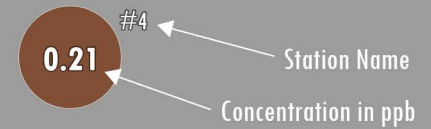




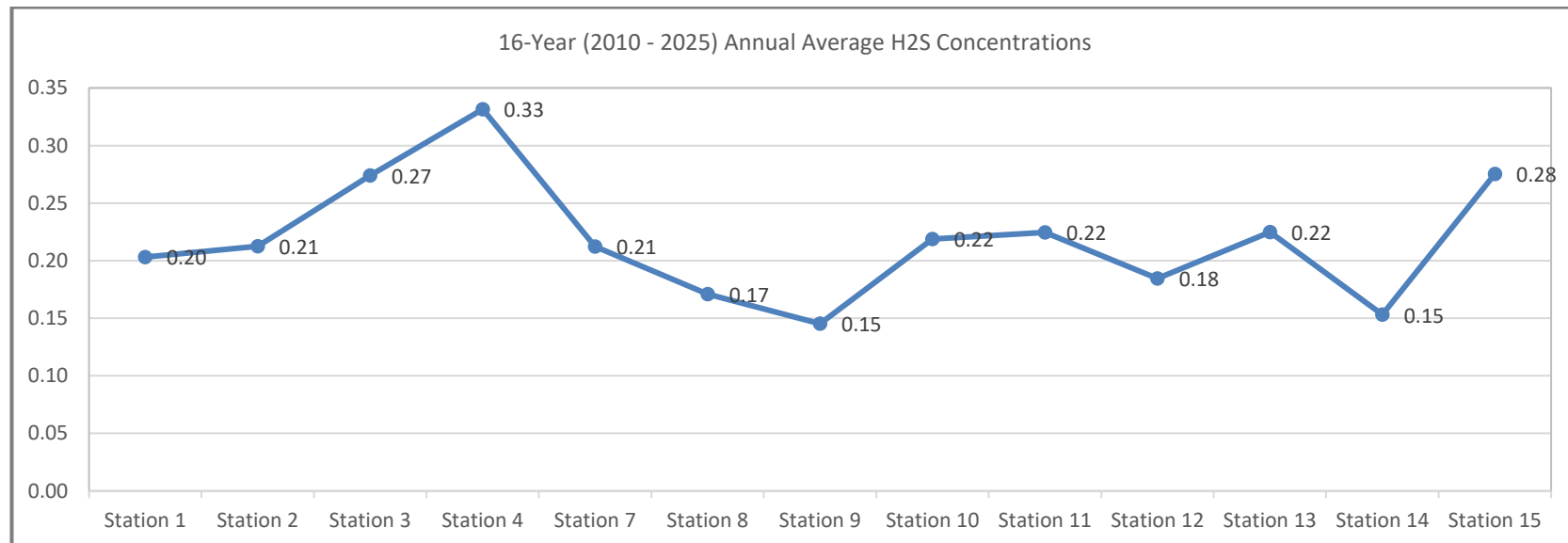
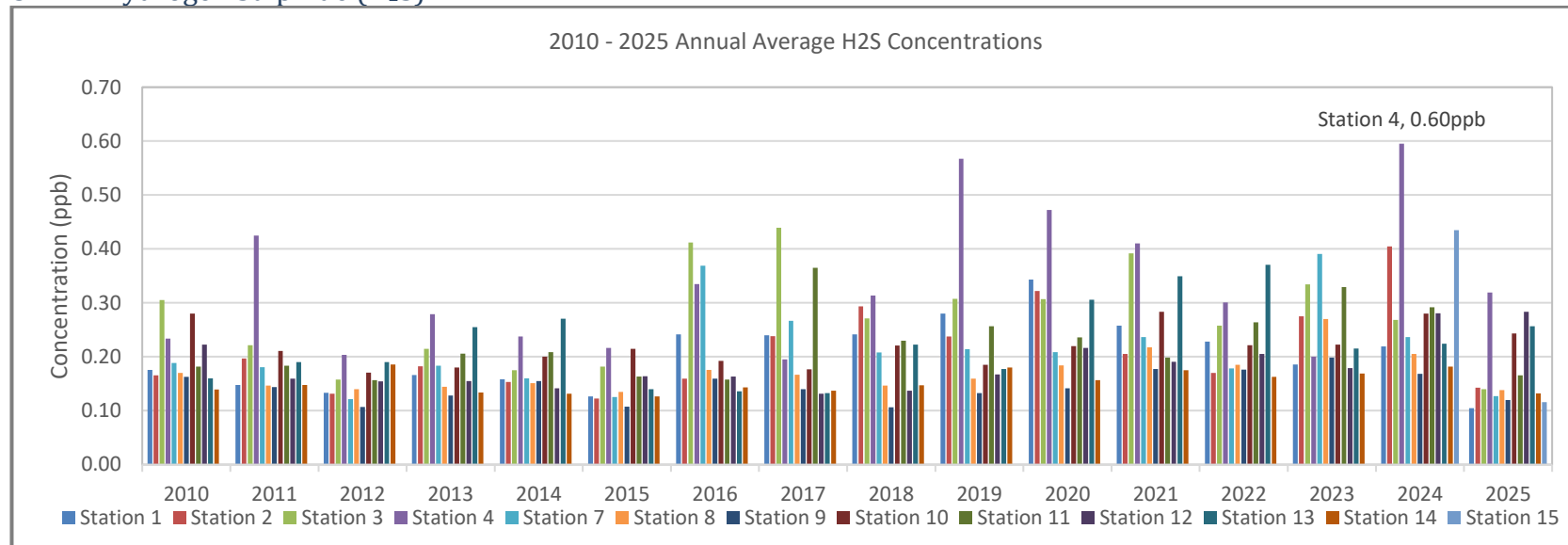


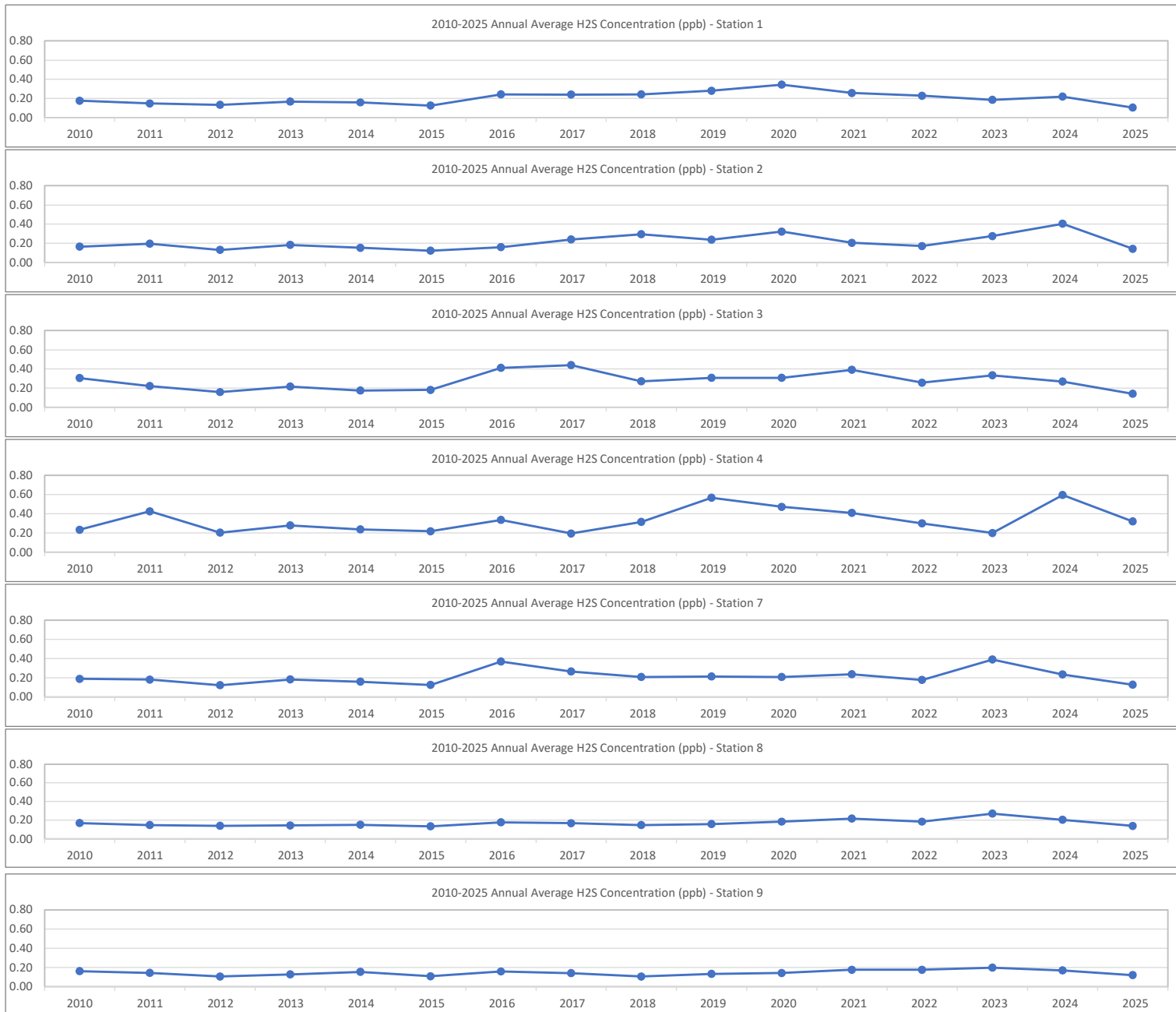
PRAMP Passive Monitoring Network

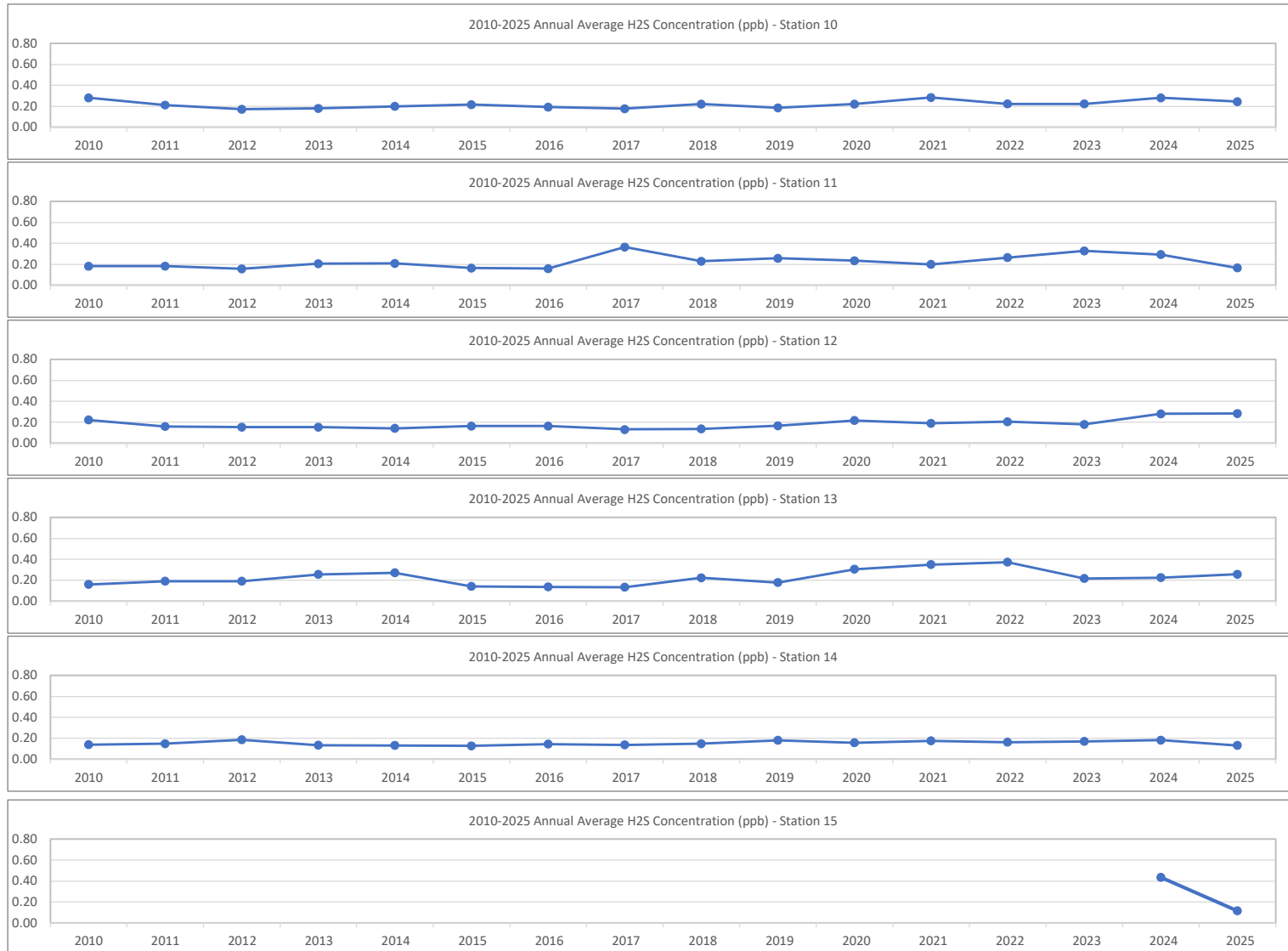
Sulphur Dioxide Concentration
2010-2025 Average in Parts Per Billion (ppb)



5.1.2 Hydrogen Sulphide (H₂S)

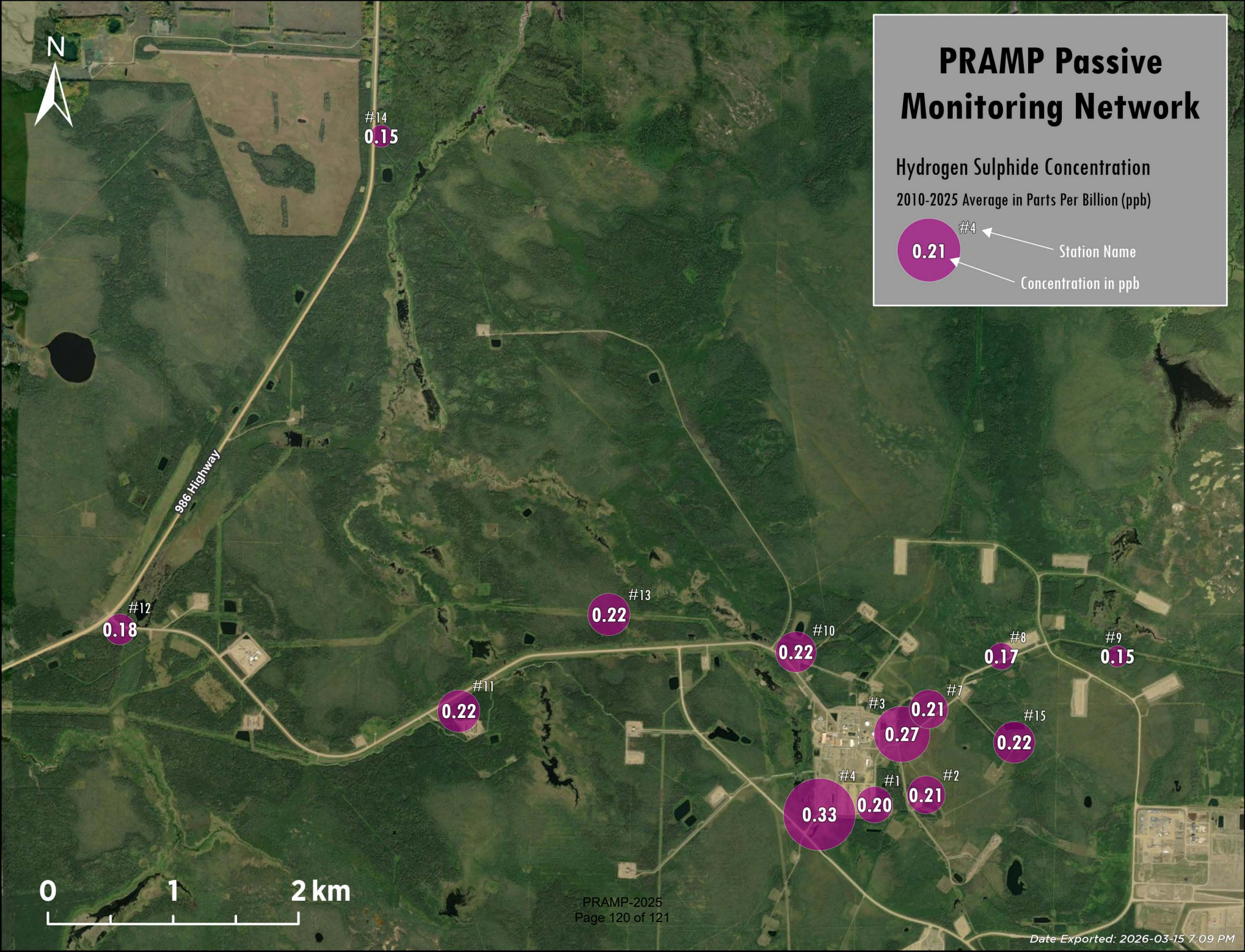
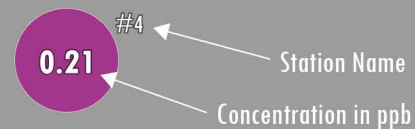






PRAMP Passive Monitoring Network

Hydrogen Sulphide Concentration
2010-2025 Average in Parts Per Billion (ppb)



END OF REPORT

This page, 121 of 121, ends the 2025 Annual Ambient Air Quality Monitoring Report.