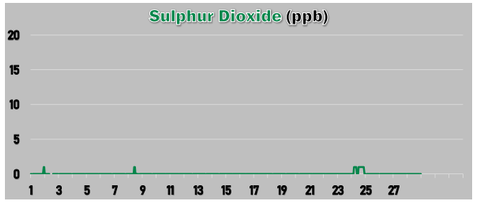
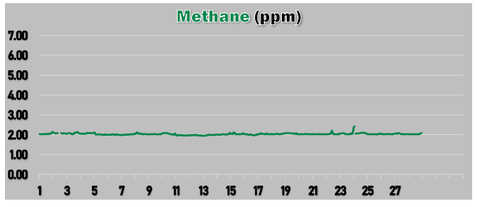
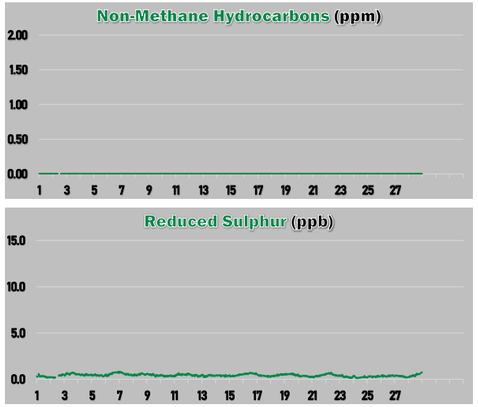
February 2023: Active Monitoring Program

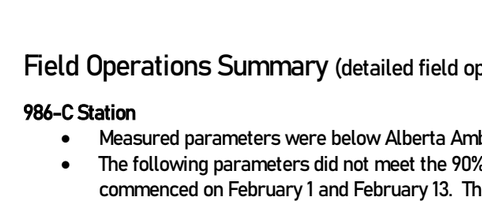
pramp
PEACE RIVER AREA MONITORING PROGRAM

Station 986-C

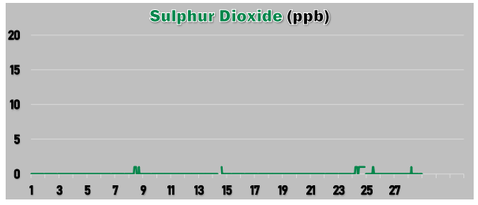


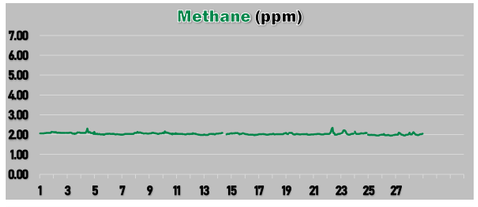


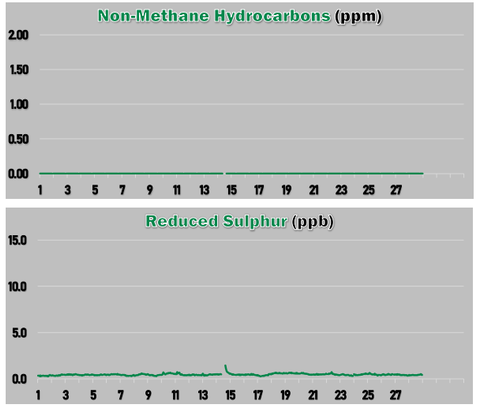


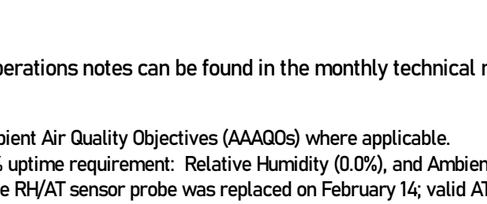


Station 842-B

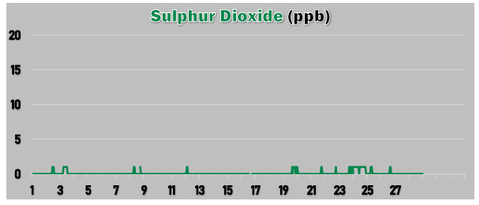


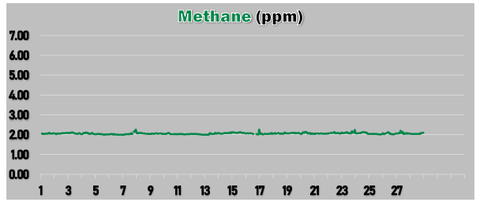


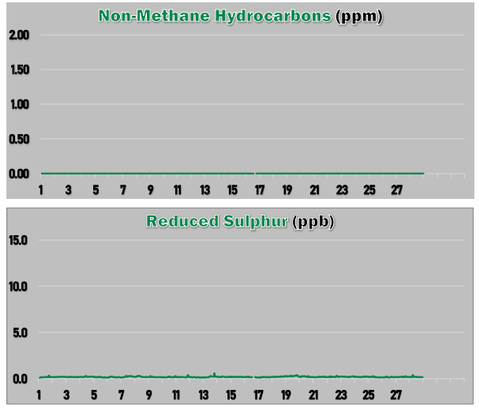


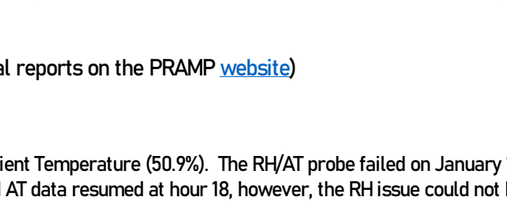


Reno-B Station

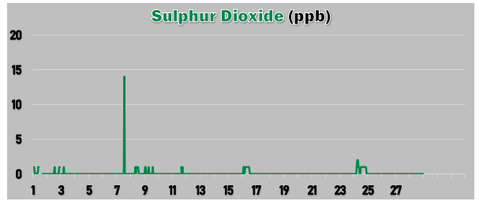


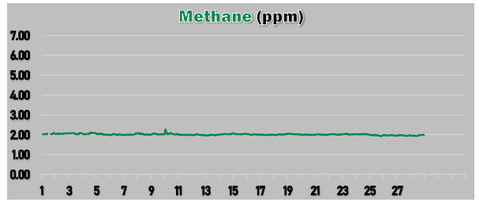


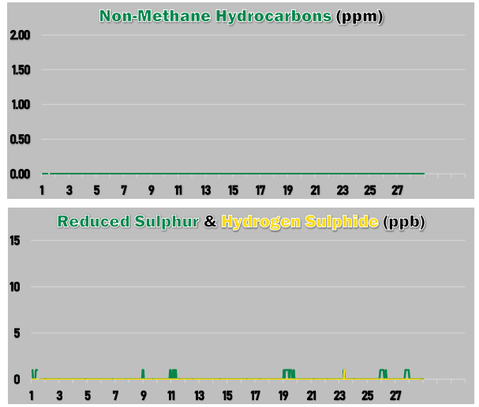


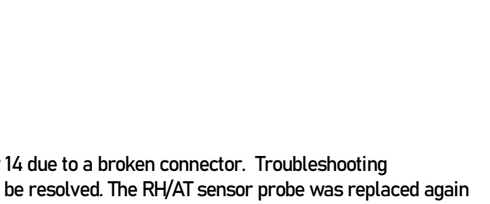


PRC Station

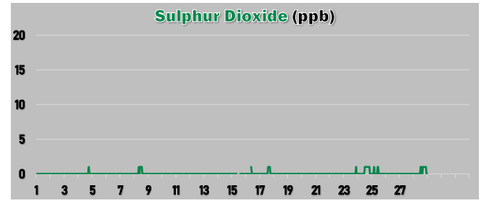


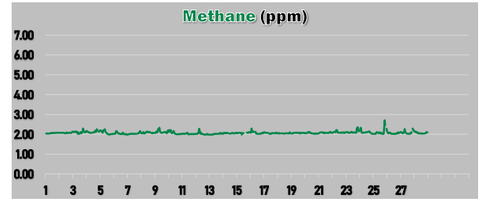


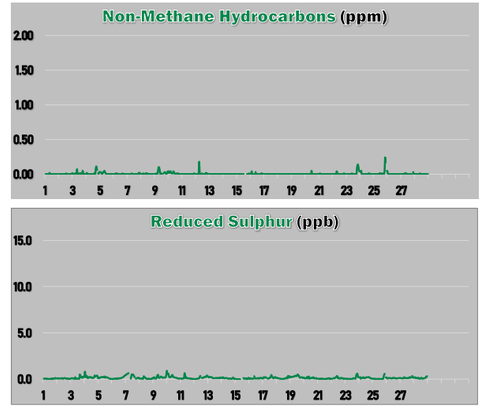


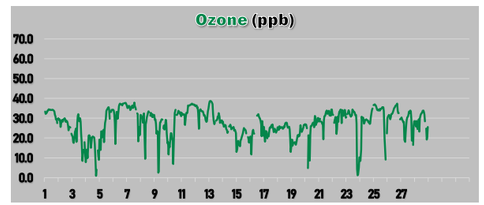


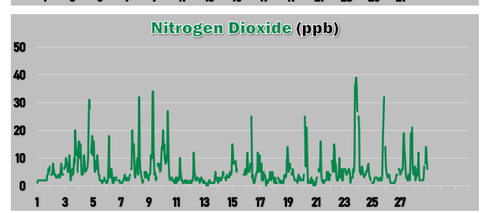
AQHI Station – Grimshaw

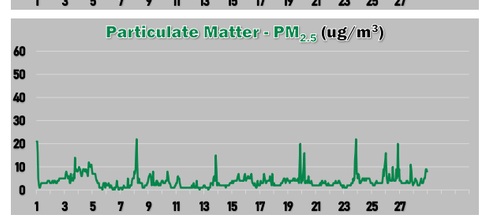












Field Operations Summary (detailed field operations notes can be found in the monthly technical reports on the PRAMP website)

986-C Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- The following parameters did not meet the 90% uptime requirement: Relative Humidity (0.0%), and Ambient Temperature (50.9%). The RH/AT probe failed on January 14 due to a broken connector. Troubleshooting commenced on February 1 and February 13. The RH/AT sensor probe was replaced on February 14; valid AT data resumed at hour 18, however, the RH issue could not be resolved. The RH/AT sensor probe was replaced again in March to correct the issue. Six hundred seventy-two and three hundred thirty hours of downtime for the RH channel and AT channel were recorded, respectively.

842-B Station

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

Reno-B Station

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

PRC Station

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

AQHI Station – Grimshaw

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

NMHCs Canister Sampling Program

- No canisters were collected.

February 2023: Active Monitoring Program

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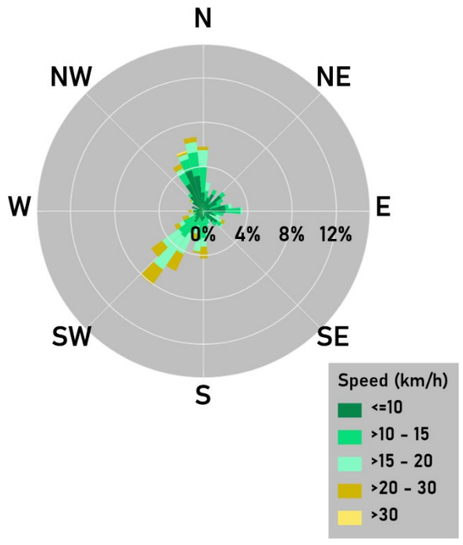
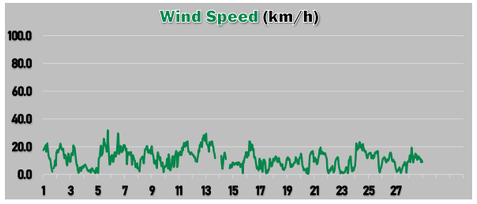
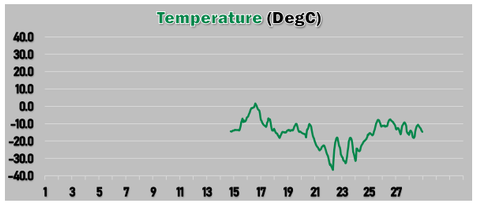
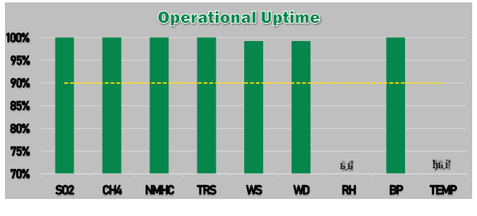
PEACE RIVER AREA MONITORING PROGRAM

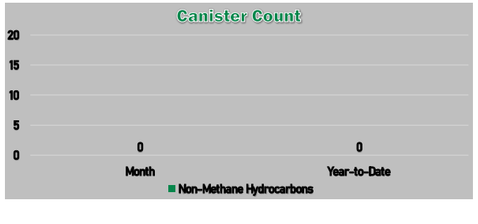
Station 986-C



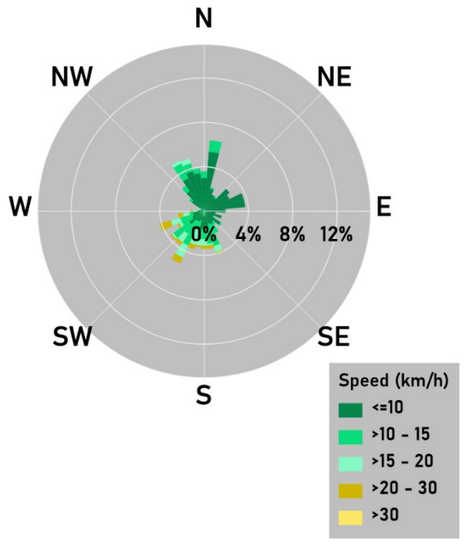


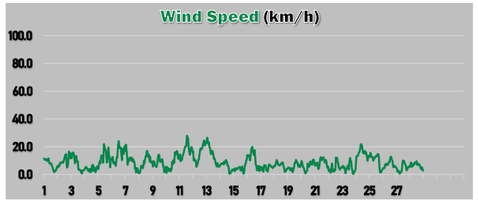


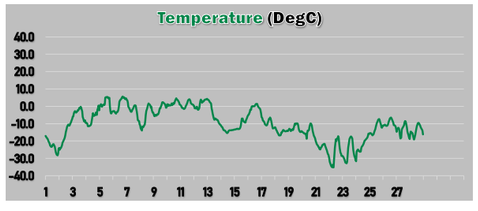


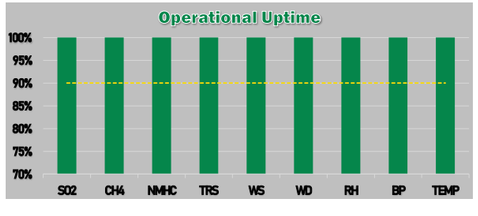


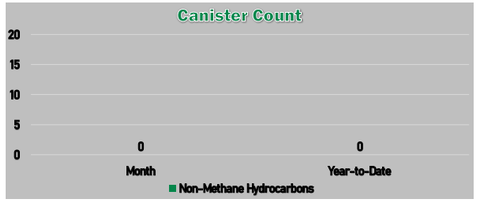
Station 842-B



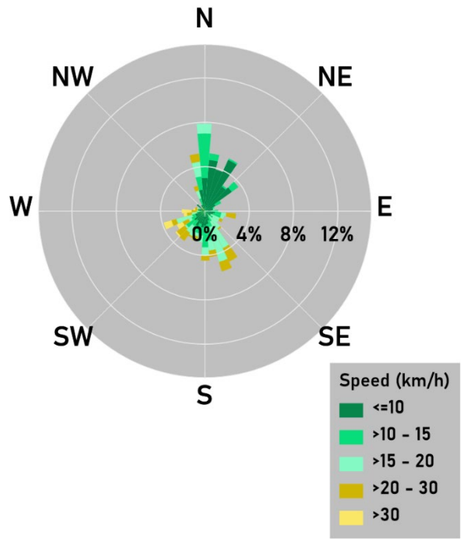


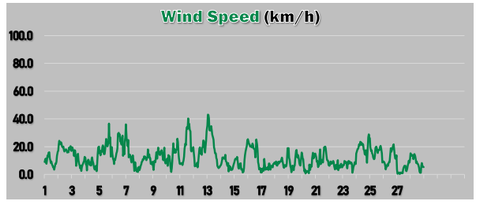


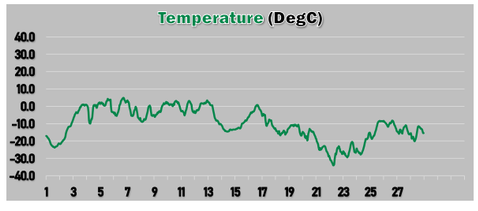


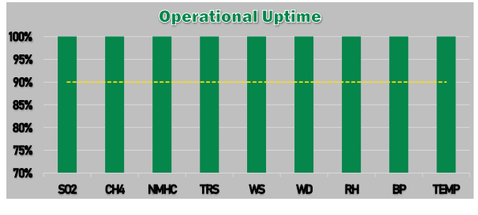


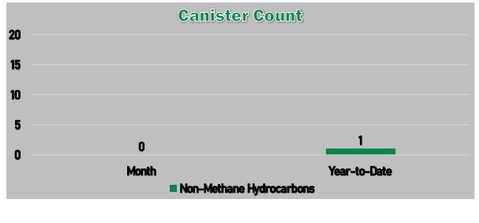
Reno-B Station



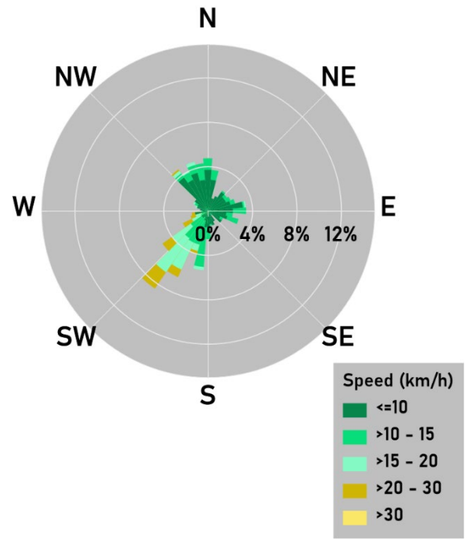


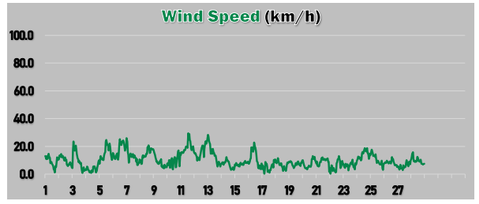


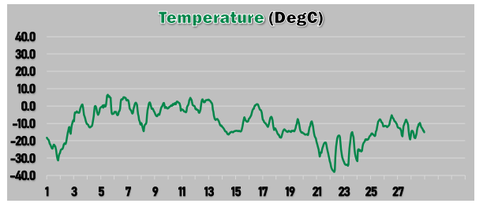


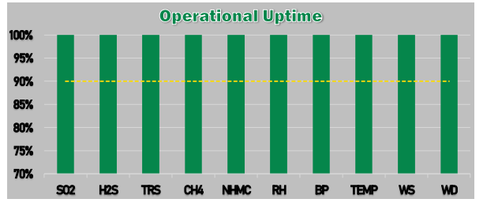


PRC Station

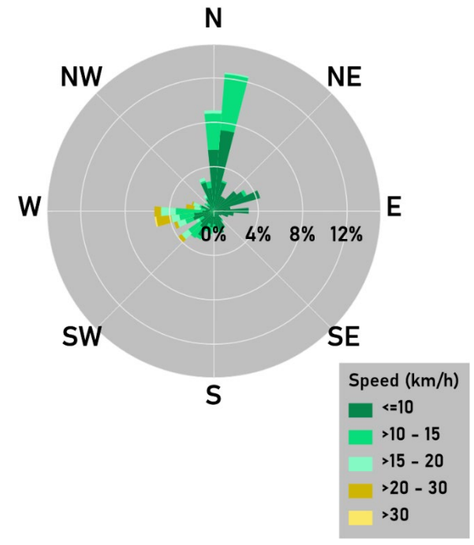
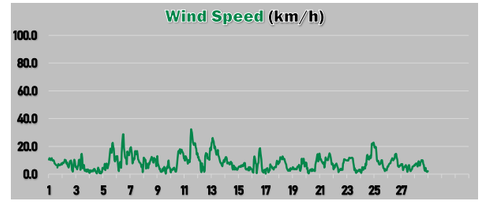
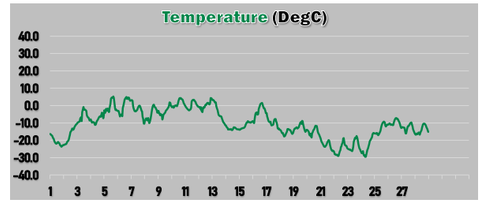
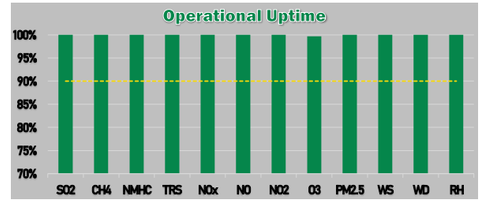
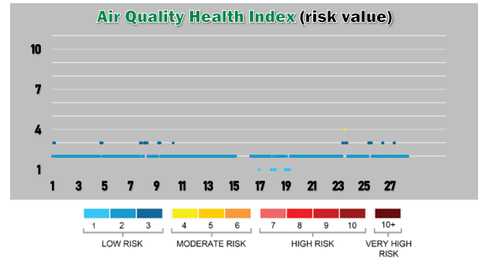








Targets, Guidelines, and Objectives

Sulphur Dioxide 1h AAAQO = 172 ppb
Ozone 1h AAAQO = 76 ppb
Particulate Matter ($PM_{2.5}$) 1h AAAQG = 80 ug/m³
Nitrogen Dioxide 1h AAAQO = 159 ppb
Operational Uptime Requirement = 90%
AQHI Risk Value = 1-3 Low, 4-6 Moderate, 7-10 High, >10 Very High

AQHI Station – Grimshaw