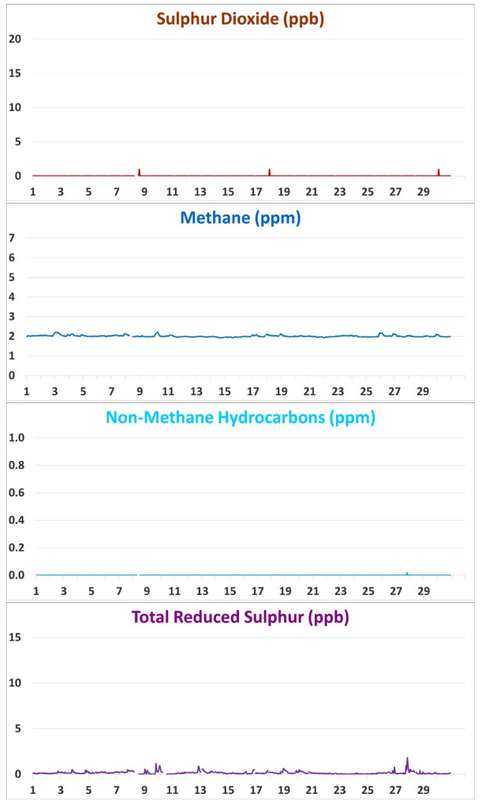
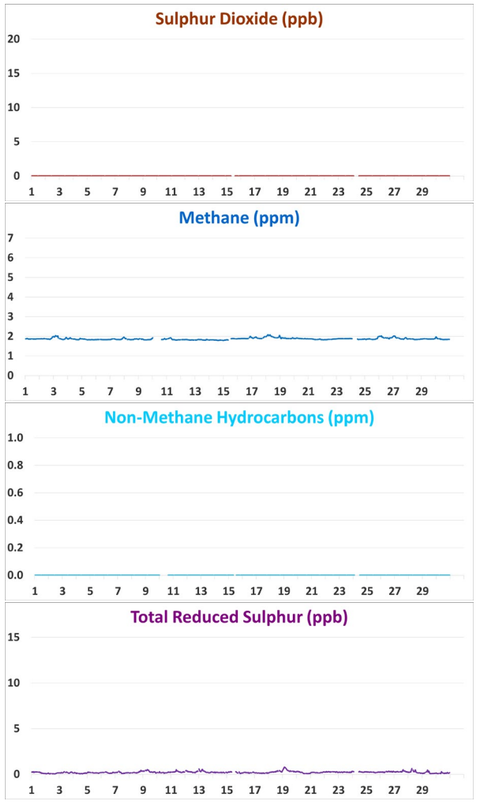
September 2021: Continuous Monitoring Program

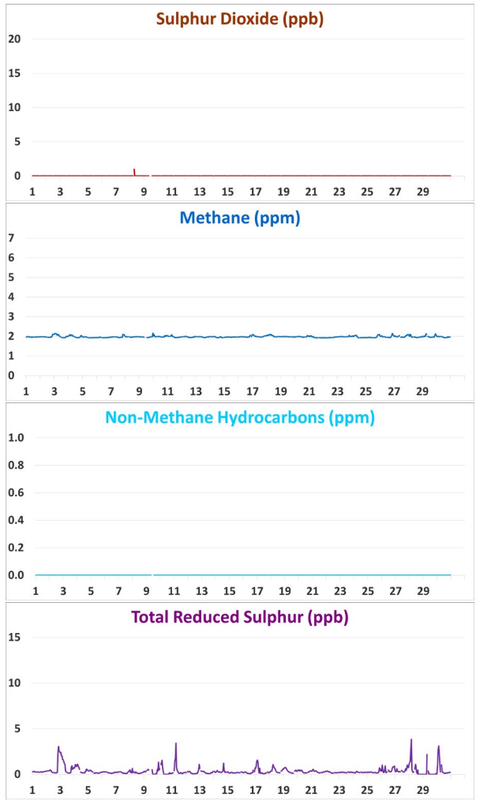
Station 986c



Station 842b



Reno Station



AQHI Station – Cadotte Lake

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

986c Station

- **TRS:** A repeat multi-point calibration was completed on September 10 as a quality assurance check after the analyzer exhibited slow response during the September 8 calibration. The calibration check met all check requirements. Six hours of downtime were recorded due to this additional quality check.

842b Station

- **All parameters**: No data were recorded on September 24 between hour 3 and hour 10 due to a datalogger issue. Eight hours of data were lost due to this event. The daily zero-span check was interrupted due to this event as well.
- **THC/CH4/NMHC:** The analyzer failed on September 10 due to a problem with the hydrogen generator. The issue was corrected and a successful zero-span check was completed on September 10 hour 14. Thirteen hours of downtime were recorded due to this event.

Reno Station

- No major operational issues to report.

AQHI – Cadotte Lake Station

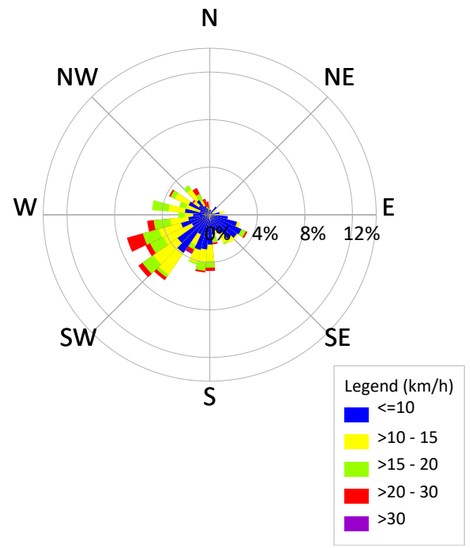
- **All parameters:** Two power outages occurred this month. Eight to Twelve hours of downtime were recorded as a result.
- **$PM_{2.5}$:** The PM unit failed on September 28 due to firmware issues. The equipment was reset remotely, and valid data collection resumed on September 28 hour 7. Five hours of downtime were recorded due to this event.

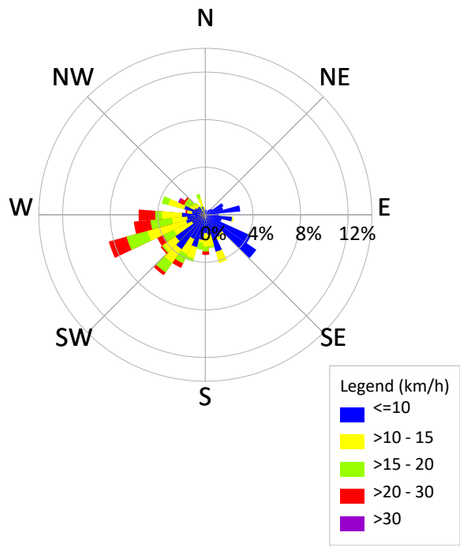
VOCs Canister Sampling program

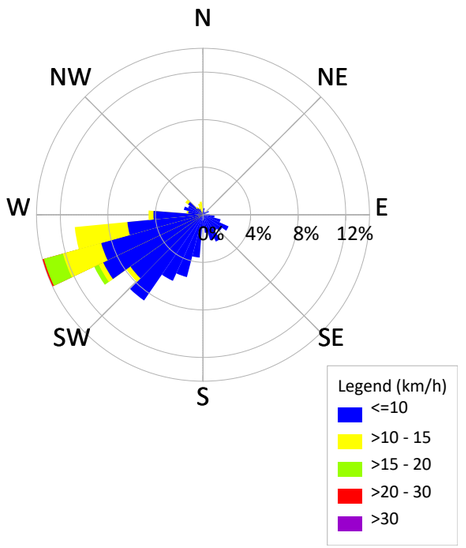
- No canister events.

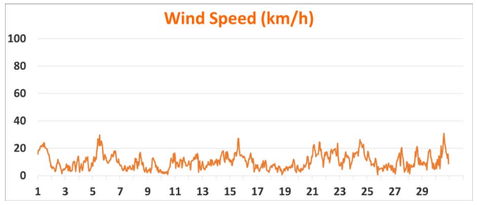
September 2021: Continuous Monitoring Program

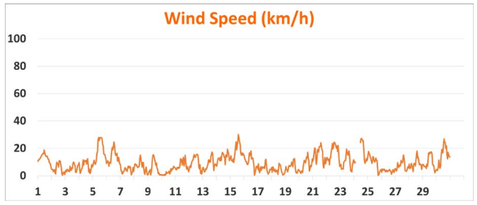
Station 986c

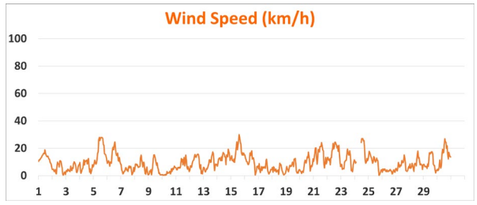


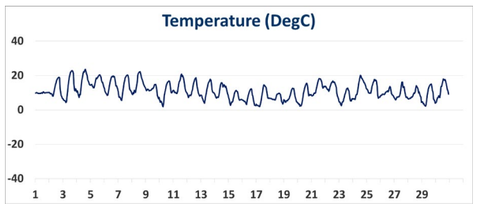


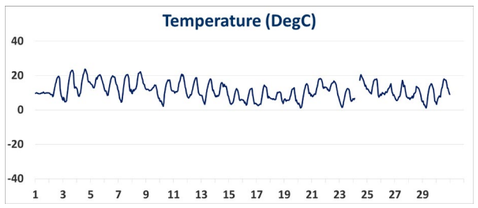


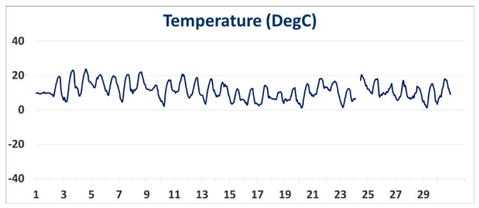


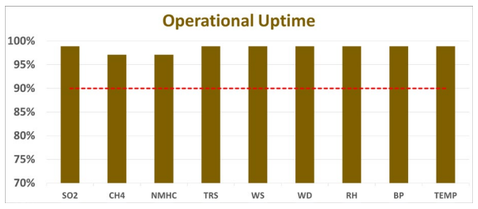


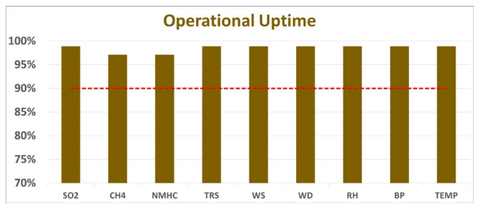


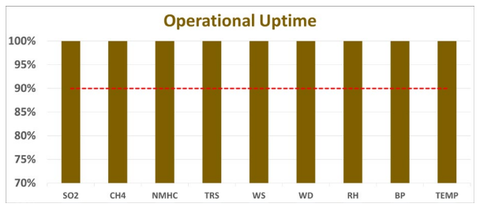


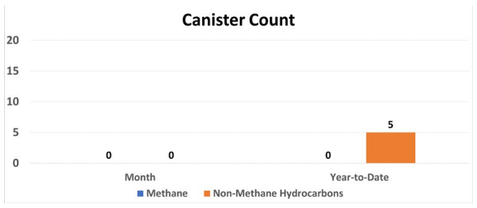


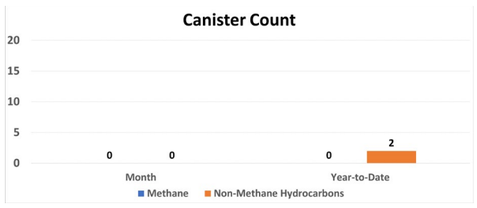


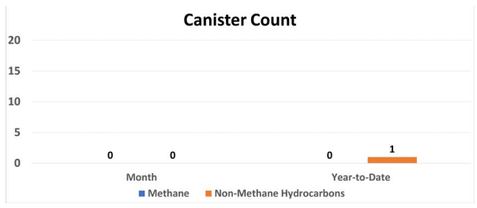




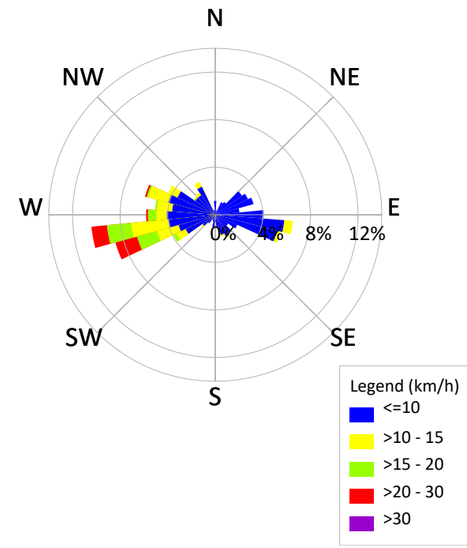


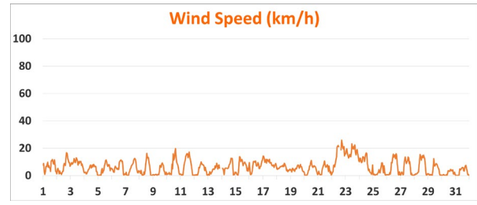


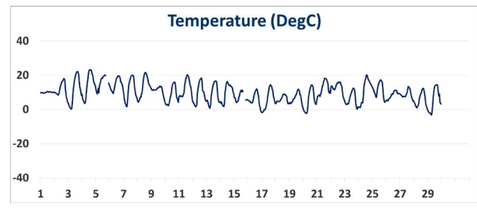


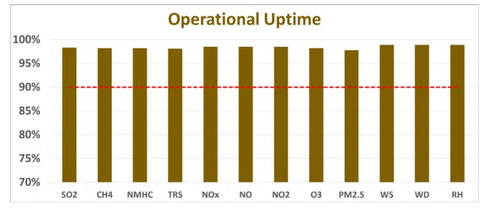


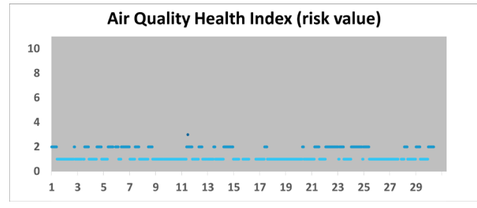
AQHI Station – Cadotte Lake









Targets, Guidelines, and Objectives

Sulphur Dioxide 1h AAAQO = 172 ppb
Ozone 1h AAAQO = 76 ppb
Particulate Matter AAAQG = 80 µg/m^3
Nitrogen Dioxide AAAQO = 159 ppb
Operational Uptime Requirement = 90%
AQHI Risk Value = 1-3 Low, 4-6 Moderate, 7-9 High, 10+ Very High