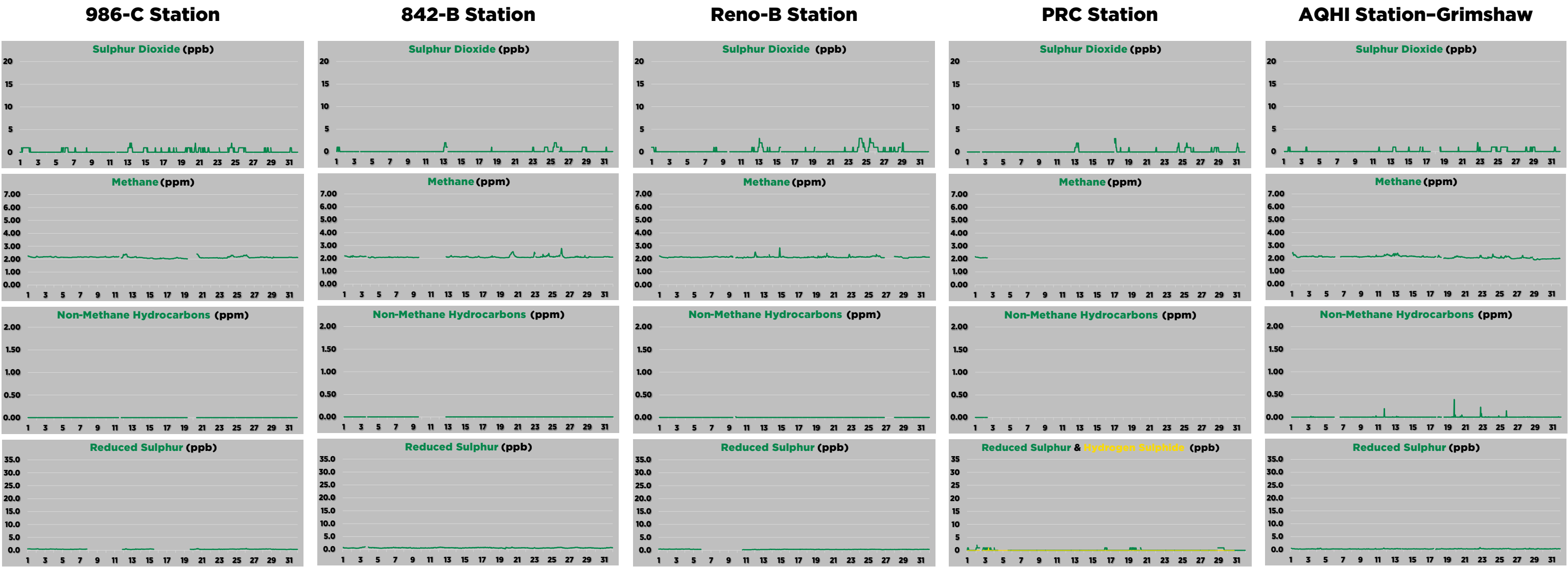


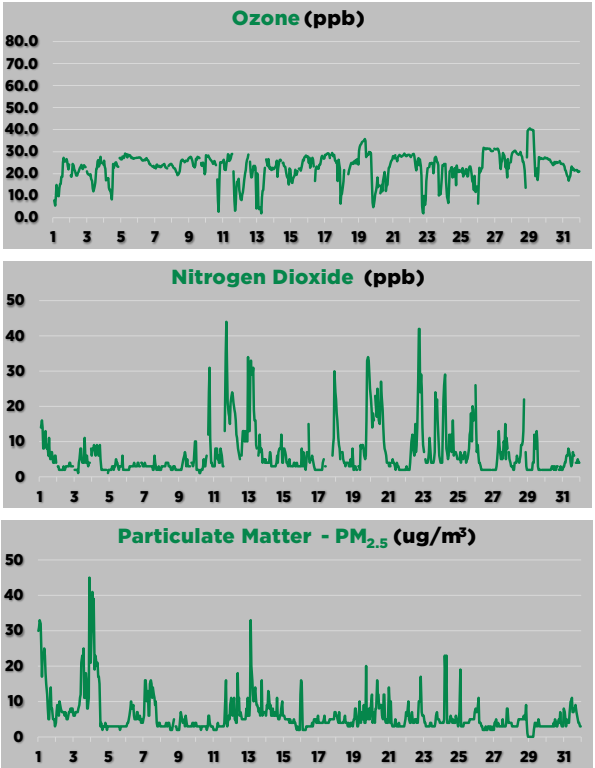
December 2025: Active Monitoring Program



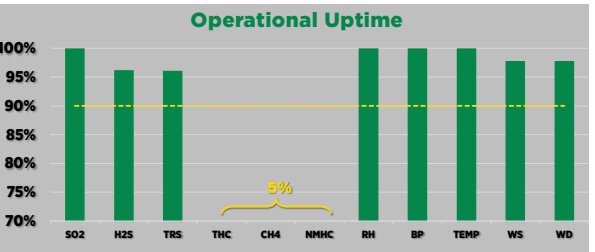
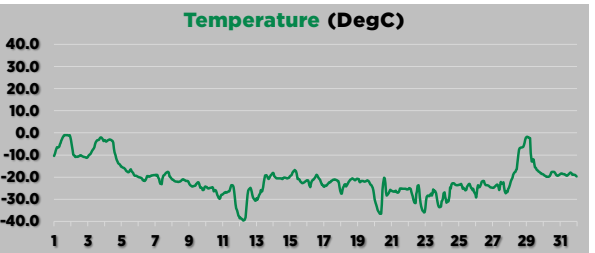
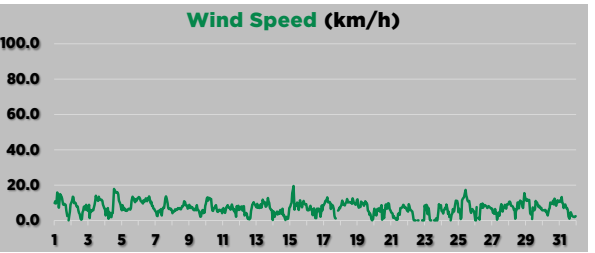
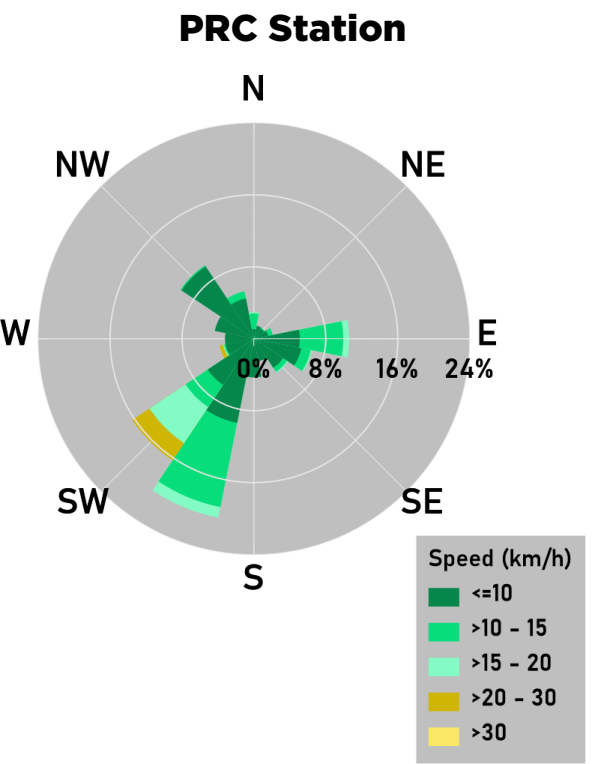
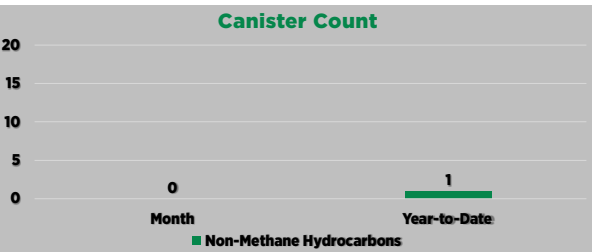
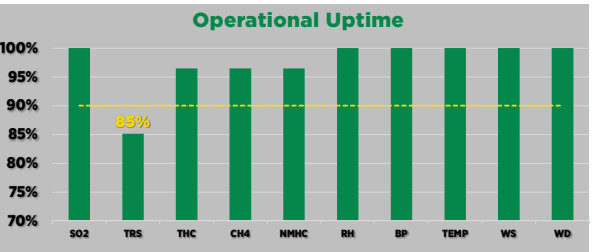
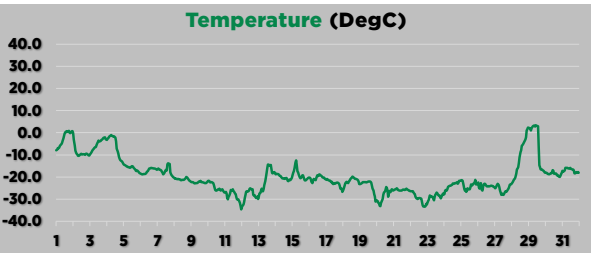
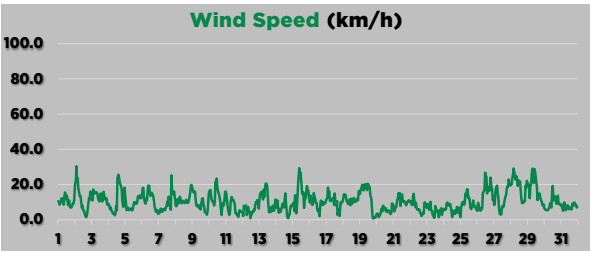
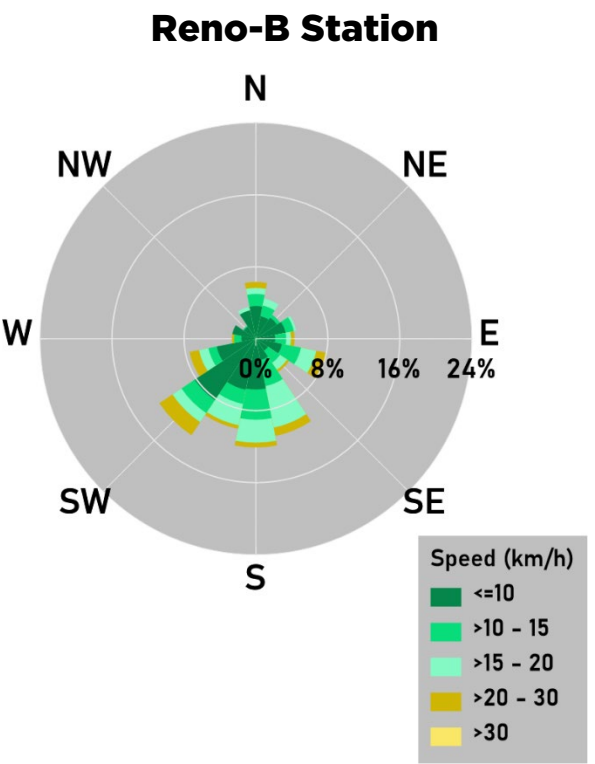
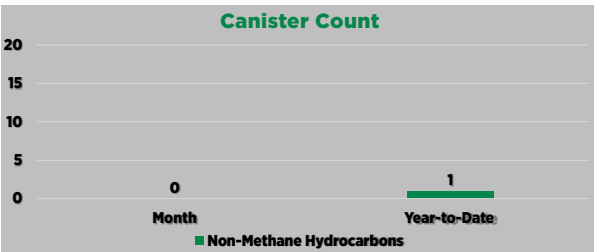
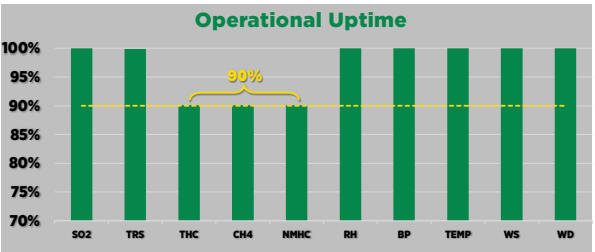
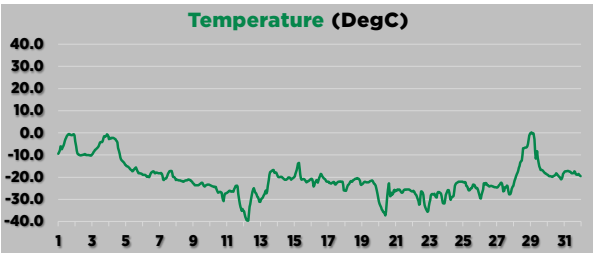
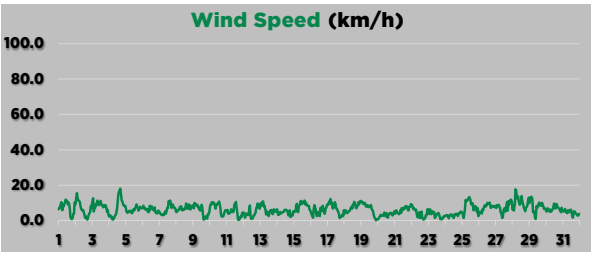
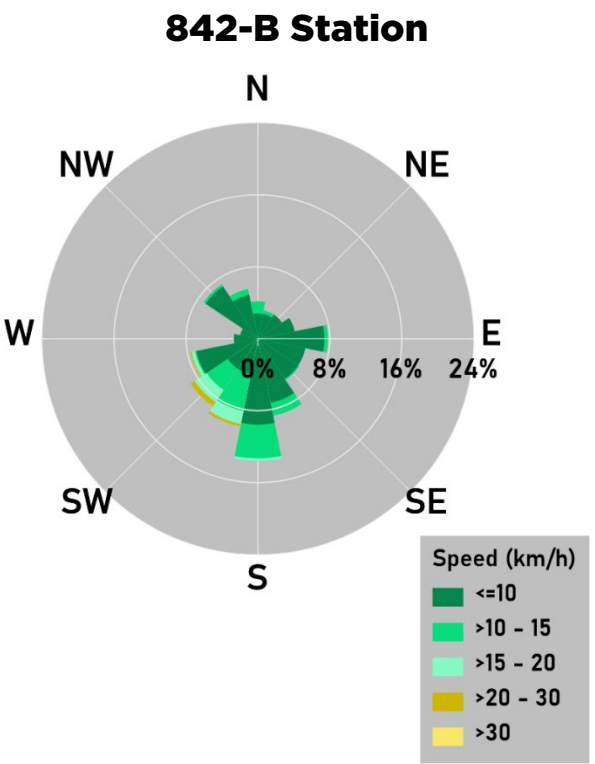
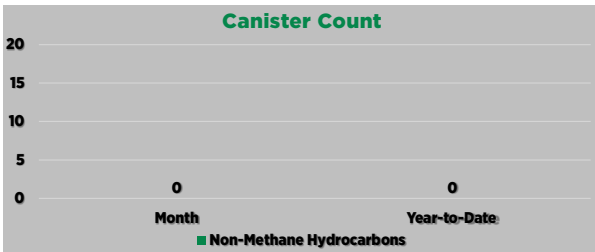
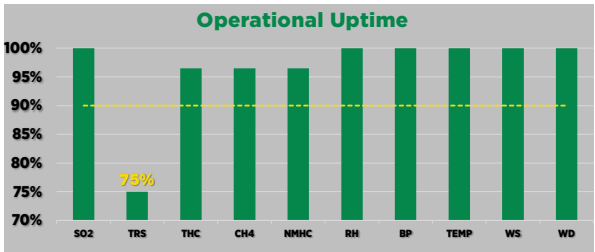
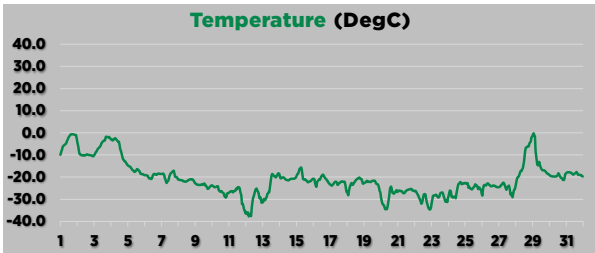
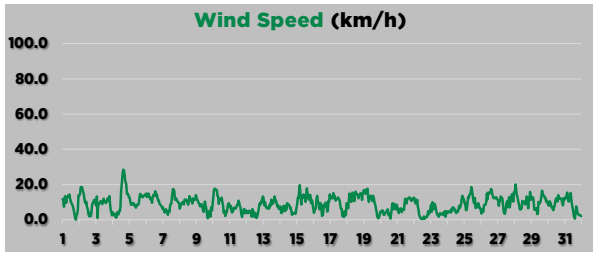
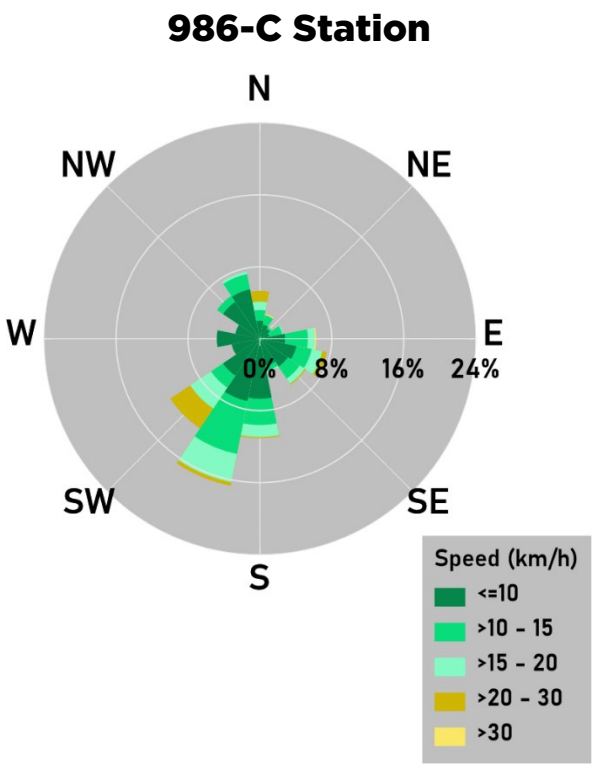
Field Operations Summary (detailed field operations notes can be found in the monthly technical reports on the PRAMP [website](#))

Air Monitoring Directive and other Compliance Notes

- Low ambient temperatures affected TRS/H₂S span performance in December, a recurring issue under very dry winter conditions. Although some daily span and zero checks fell outside target ranges, field checks, historical performance, and post-event review indicate the analyzer continued to meet applicable AMD performance criteria. The data are therefore considered valid.
- 986-C Station**
- TRS: The analyzer failed shut-down calibrations due to cold temperatures and low humidity on December 10 and December 18. The SO₂ scrubber material was replaced and the analyzer stabilized overnight, with post-repair calibrations completed on December 11 and December 19. Data were invalidated back to the last valid calibration checks (December 7 and December 15), resulting in 186 hours of downtime. Operational uptime for the month was 75.0%. DINC#0022842.
- 842-B Station**
- TRS: The TRS converter was replaced on December 3, resulting in one hour of downtime.
- Reno-B Station**
- TRS: The analyzer failed shut-down calibrations due to cold temperatures and low humidity on December 9. The SO₂ scrubber material was renewed and the TRS converter was replaced. Post-repair calibration was completed on December 10. Data were invalidated back to the last valid calibration check (December 5), resulting in 108 hours of downtime. Operational uptime for the month was 85.1%. DINC#0022843.
- PRC Station**
- THC/CH₄/NMHC: A Thermo 55i analyzer was removed for repair due to injection issues on December 2 and replaced with another Thermo 55i. The analyzer was allowed to stabilize overnight, and a successful installation calibration was completed on December 3. Elevated NMHC concentrations were observed following installation, and the analyzer was subsequently replaced on January 9, 2026. Data collected between December 3, 2025 and January 9, 2026 were determined to be analyzer noise and were therefore invalidated. A total of 705 hours of downtime were recorded in December 2025, resulting in an operational uptime of 5.2%. DINC#0022845
 - TRS: A Thermo 43i-TLE analyzer was removed for repair due to high lamp voltages on December 4 and replaced with a Thermo 450i. The analyzer was allowed to stabilize overnight, and a successful installation calibration was completed on December 5. Twenty-six hours of downtime were recorded.
- AQHI – Grimshaw Station**
- No major operational issues were recorded this month.
- VOCs Canister Sampling Program**
- No valid NMHC canister events were recorded this month.



December 2025: Active Monitoring Program



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

