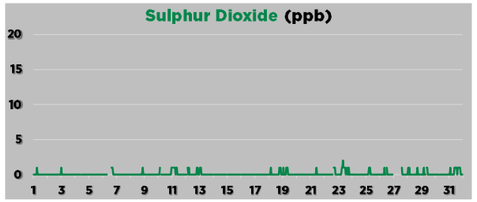
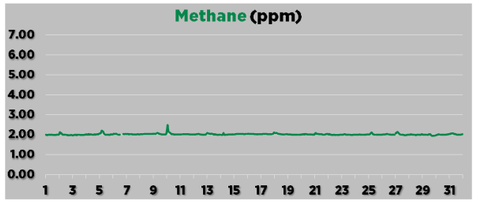
# May 2026: Active Monitoring Program

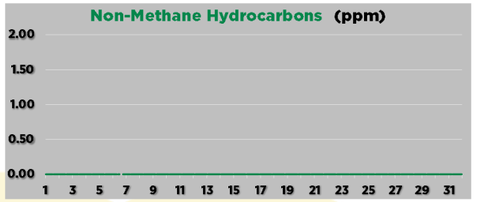
Celebrating 10 years

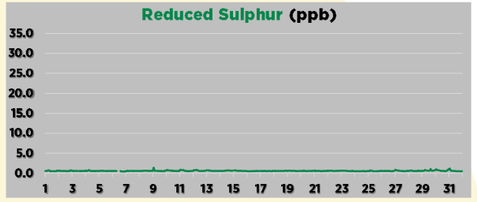
pramp
PEACE RIVER AREA MONITORING PROGRAM

## 986-C Station

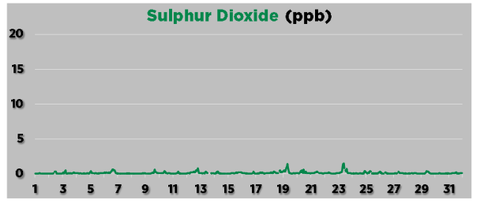


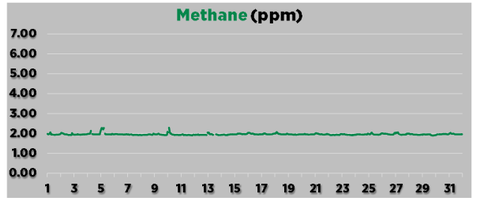



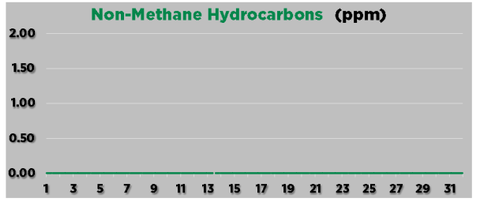



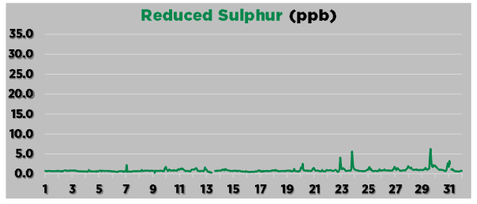




## 842-B Station

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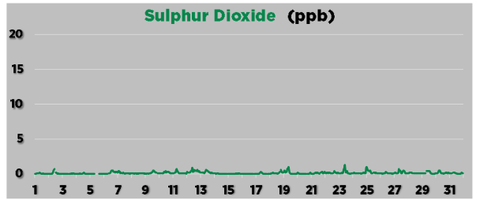
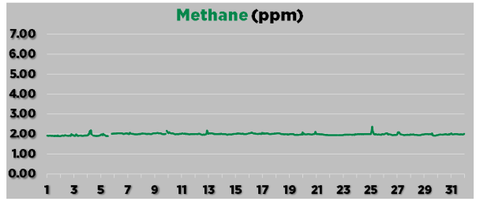
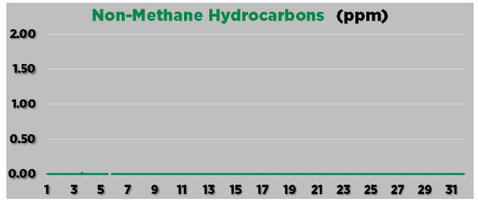
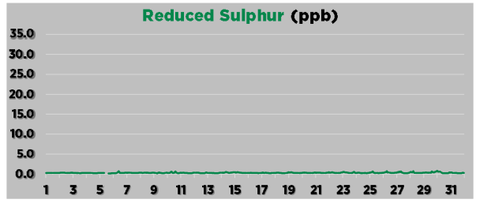
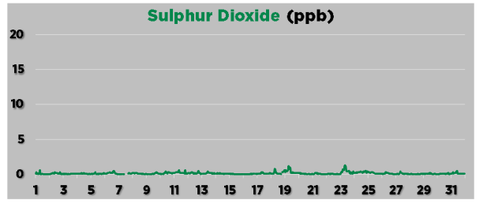


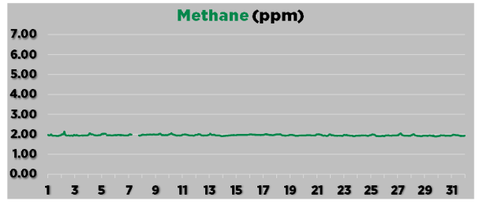



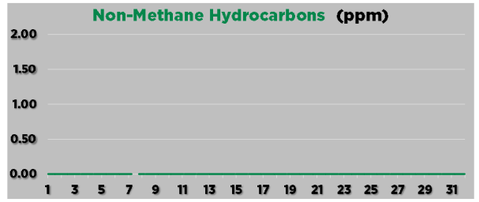



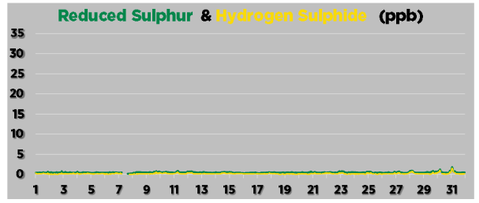




## PRC Station

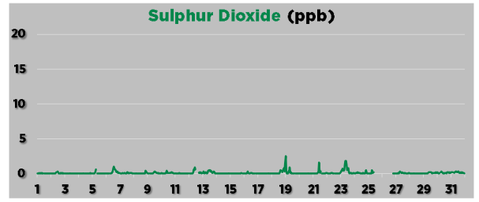


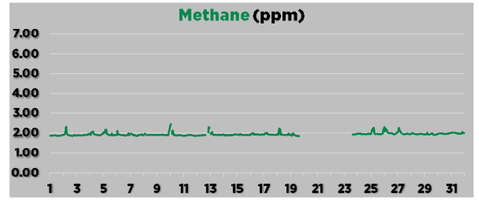



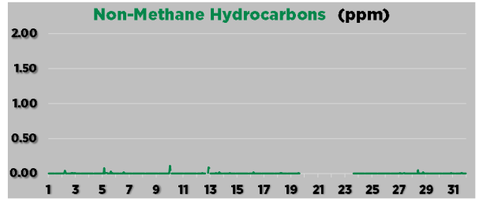



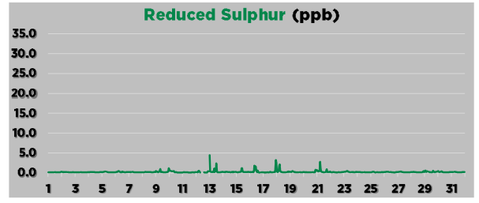



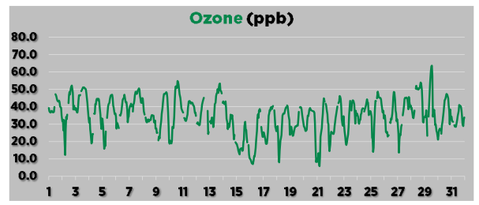

## AQHI Station–Grimshaw

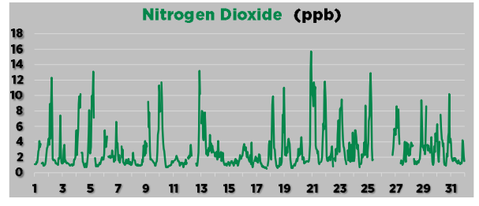


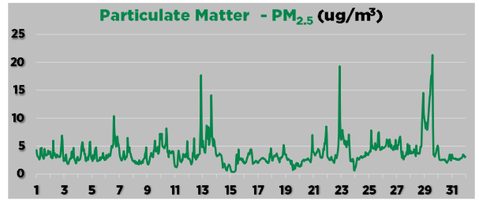




## Field Operations Summary (detailed field operations notes can be found in the monthly technical reports on the PRAMP website)

### 986-C Station

- No major operational issues were recorded this month.

### 842-B Station

- No major operational issues were recorded this month.
- TRS: Six 30-minute exceedances were recorded on May 22, 23, and 29, with concentrations ranging from 5.15 to 6.31 ppb.

### Reno-B Station

- No major operational issues were recorded this month.

### PRC Station

- **$H_2S$:** On May 7, contractor-supplied analyzer sn# CM23497244 was replaced with PRAMP-owned analyzer sn# CM25317072, which had been shop-tested with no issues. The contractor-supplied analyzer passed the as-found, high- and mid-level checks (~8.2% drift) but failed the low-level check (11.9%). The low point was not reverified with alternate calibration equipment as required. Daily checks showed no significant drift, suggesting the calibration equipment, rather than the analyzer, may have caused the low-point failure. As a precaution, one hour of data was invalidated.

### AQHI – Grimshaw Station

- **THC/$CH_4$/NMHC:** Between May 19 and 22, span drift ranged from 0.0% to −5.5%, and the $CH_4$ baseline fell below the historical background level of 1.8 ppm. Following a successful shutdown calibration on May 22, Thermo 55i analyzer sn# 1193585652 was replaced with analyzer sn# 1191032505, which stabilized overnight and passed its installation calibration on May 23. Although the original analyzer passed its shutdown calibration, 94 hours of lower-than-expected data were invalidated. Operational uptime: 87.4%, **DINC #0026700.**
- TRS: One 30-minute exceedance was recorded on May 13 at 00:30 MST, with a concentration of 8.66 ppb.

### VOCs Canister Sampling Program

- No valid canister events were recorded this month. Sampling remains paused while an alternate laboratory is secured following the current provider's suspension of services.

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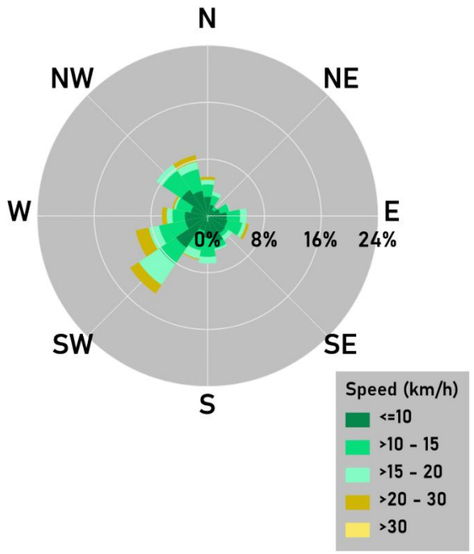
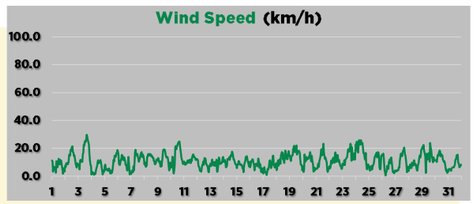
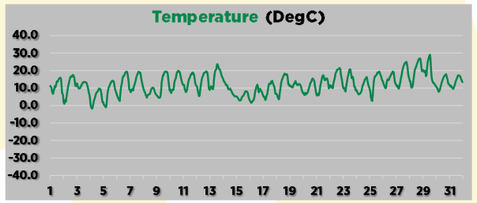
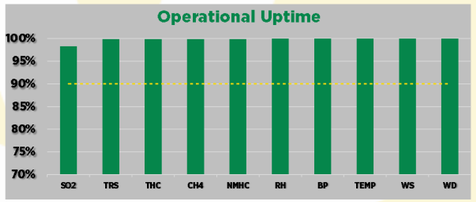
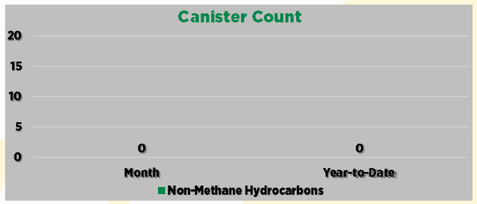
## 986-C Station



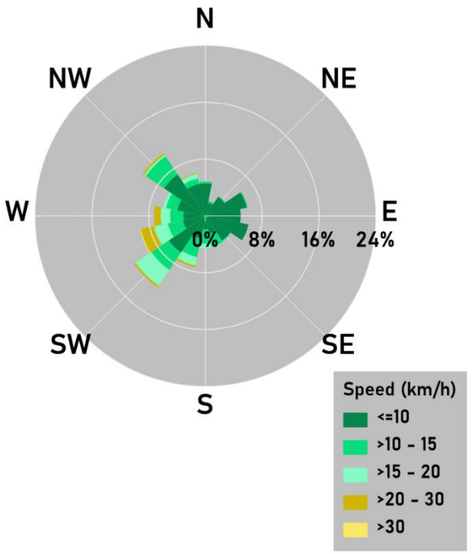



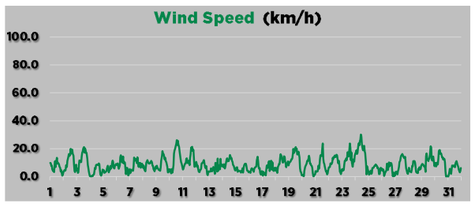



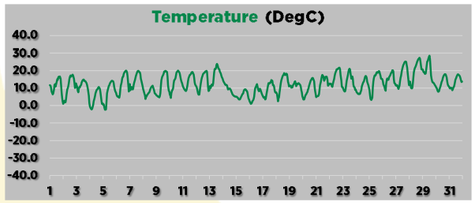



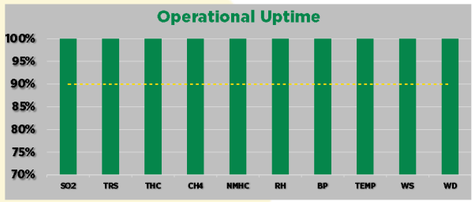



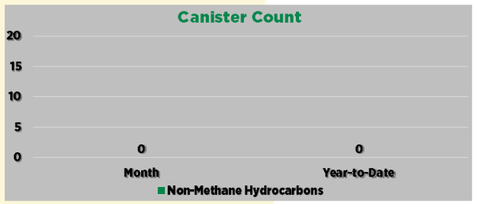

## 842-B Station

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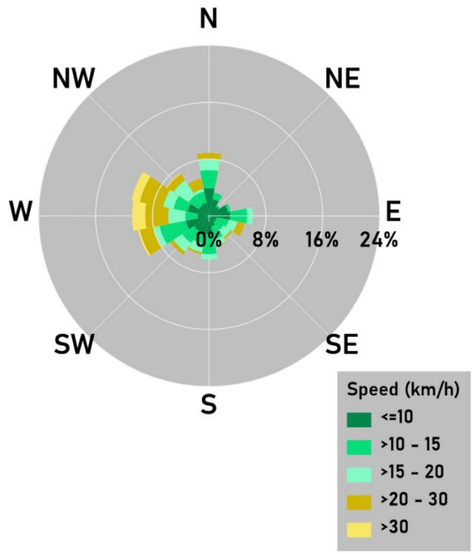
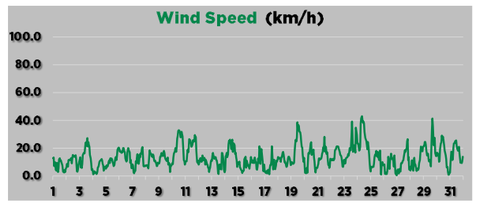
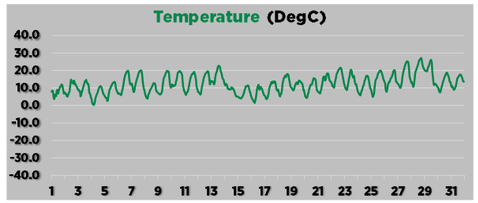
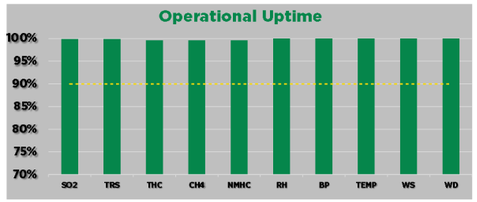
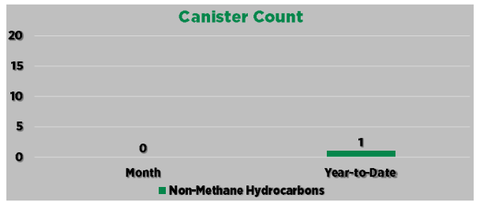


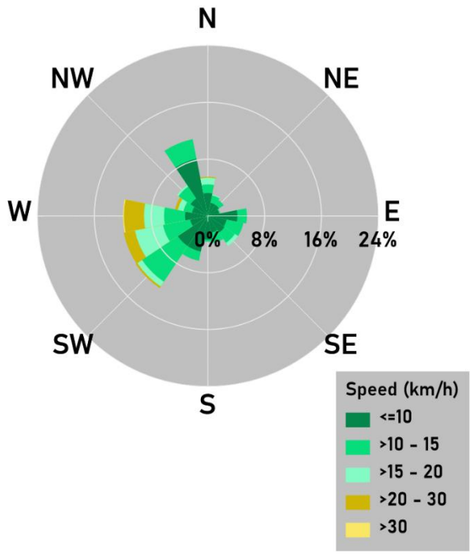



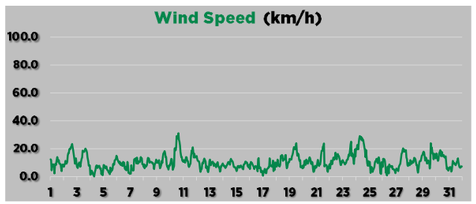



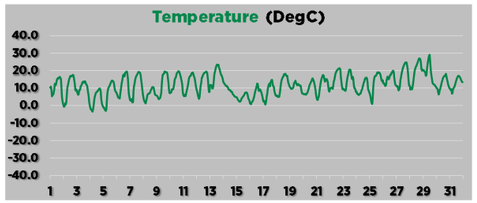



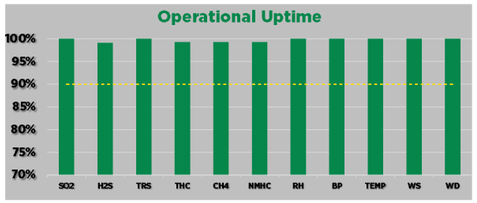




## PRC Station

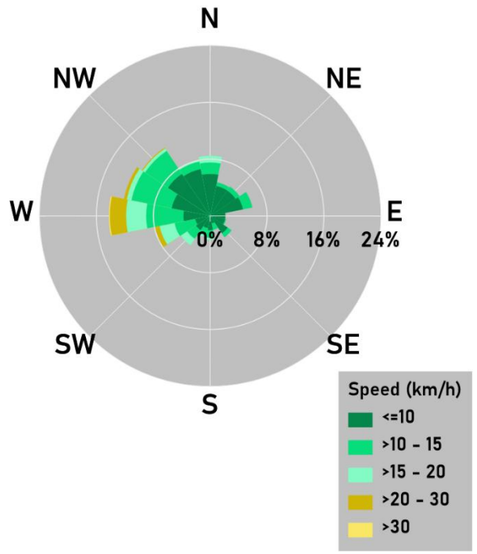
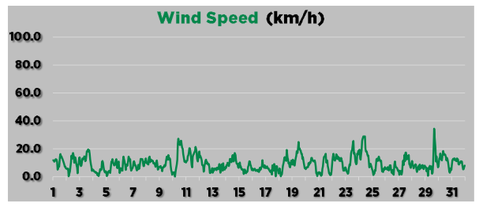
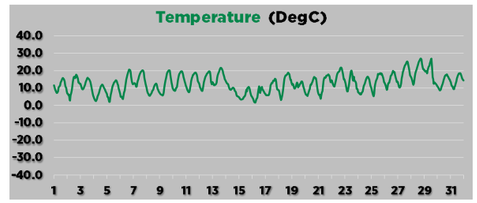
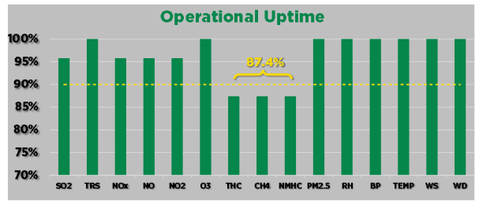
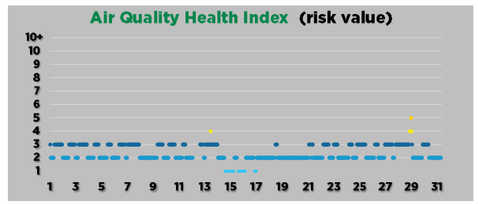



### Targets, Guidelines, and Objectives

- 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