

October 2019: Continuous Monitoring Program

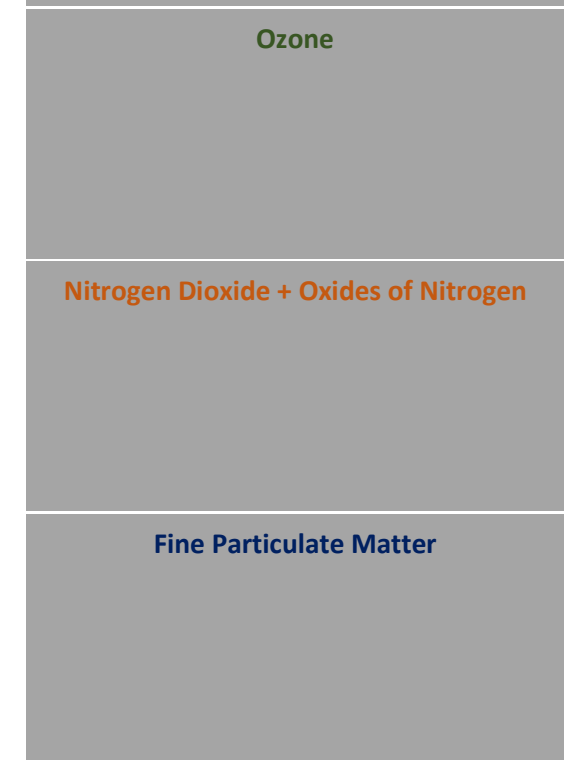
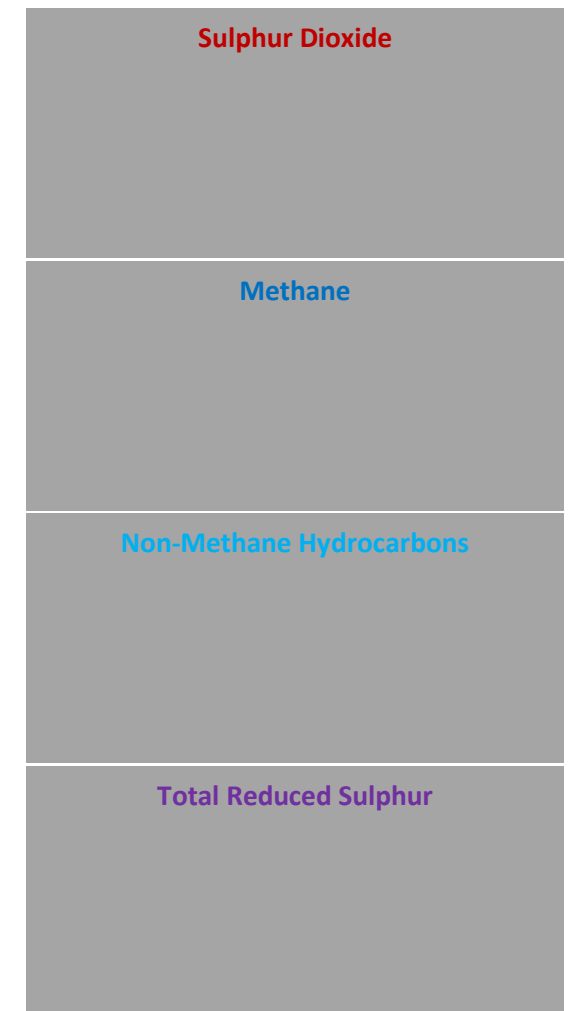
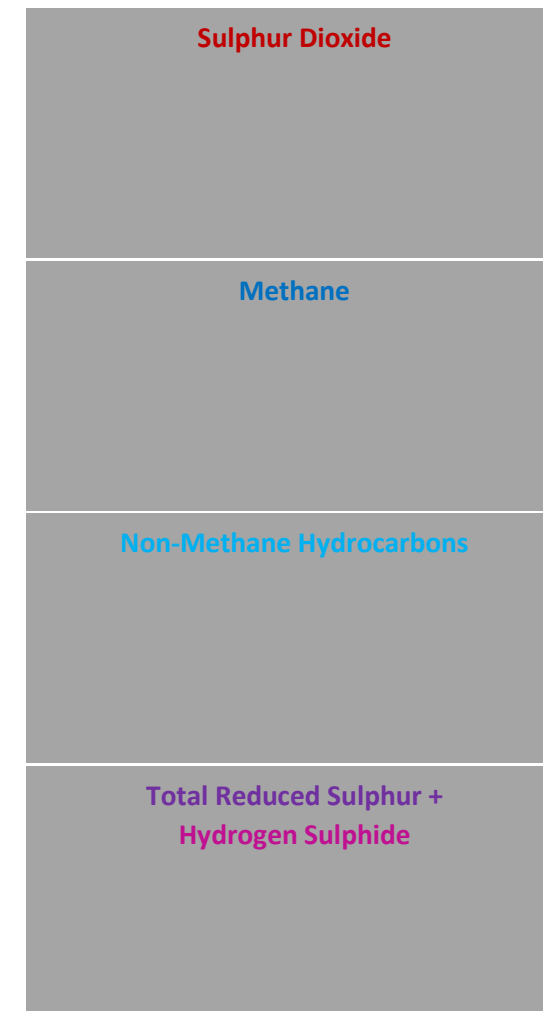
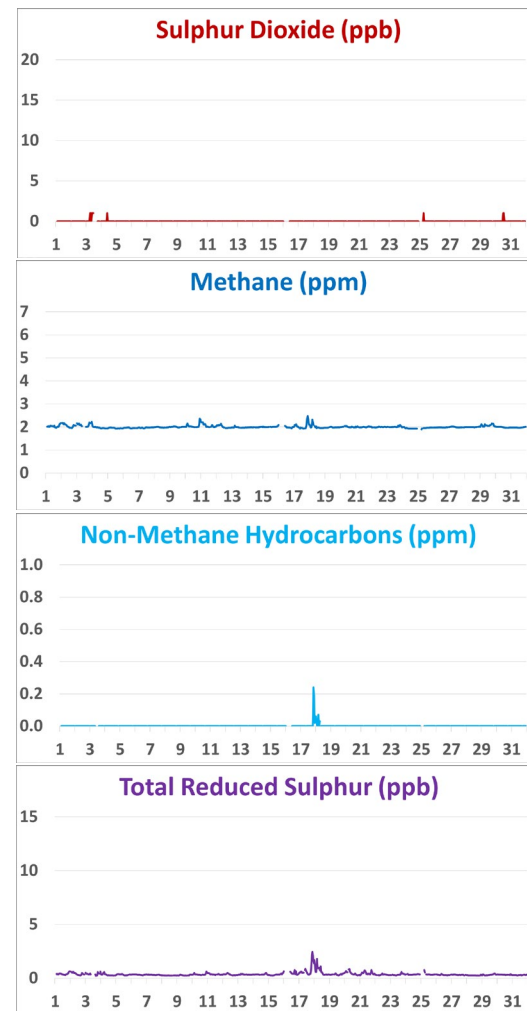
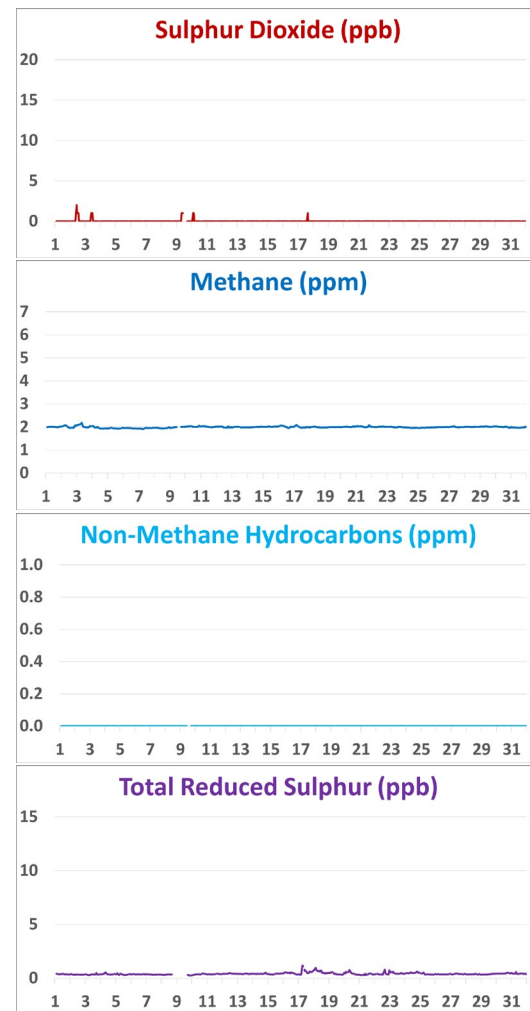
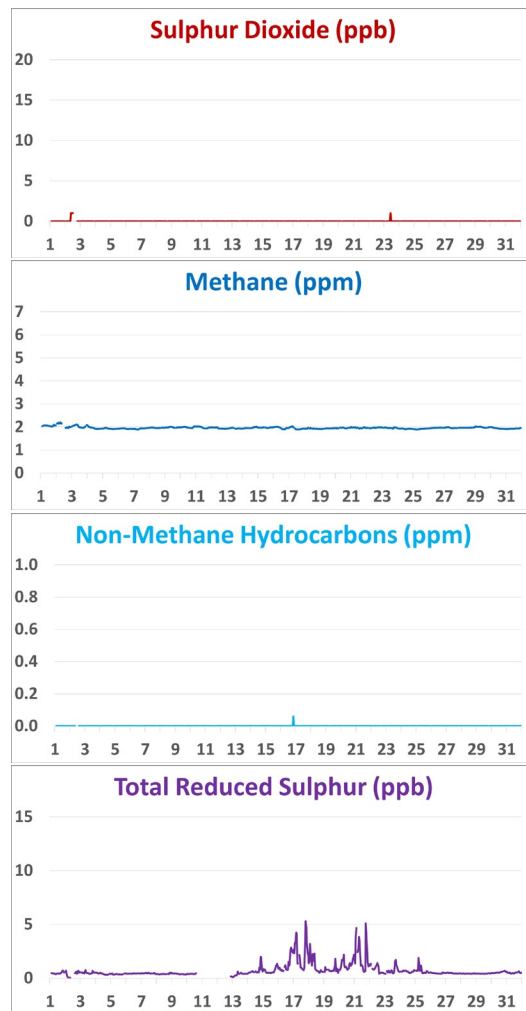
Station 986c

Station 842b

Reno Station

PRC Station (*coming soon*)

AQHI Station (*coming soon*)



Operational Summary

986c Station:

- TRS: The TRS convertor failed upon arrival on October 12. The convertor was replaced on October 12. Data was invalidated back to last valid calibration check, which was October 10 hour 16. Fifty-three hours of invalid data were recorded due to this event.
- THC/CH₄/NMHC: Hourly data that was recorded on October 22 hour 16 was deemed invalid as less than 75% of valid data in the hour were recorded. One hour of downtime was recorded as a result.
- Precipitation: One hundred ninety-two hours of data collected in October were invalidated due to a sensor malfunction, which was caused by low ambient air temperature. The sensor operational uptime was 74.2%. The AMD 90% operational uptime requirement does not apply to this parameter.

842b Station:

- TRS: The TRS convertor failed upon arrival on October 9. The thermocouple was replaced on October 9. Data was invalidated back to the last valid calibration check, which was October 8 hour 18. Seventeen hours of data were discarded due to this event.

Reno Station:

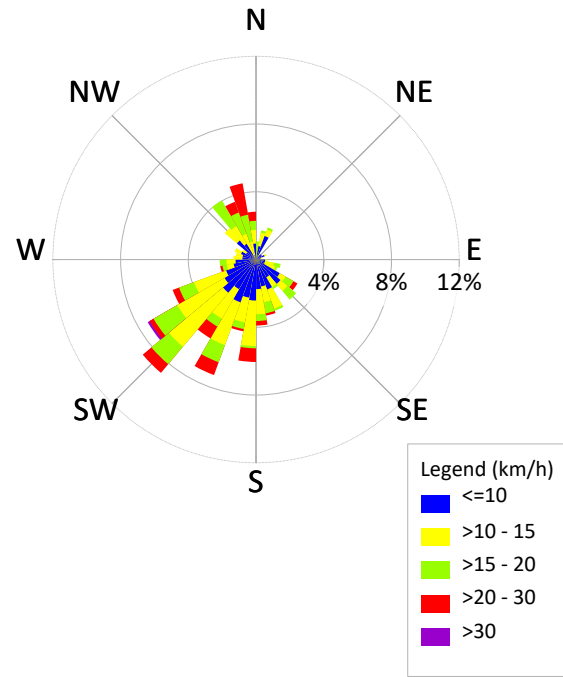
- All parameters: No data were recorded on October 16 during hours 1 and 7, and from October 24 hour 23 to October 25 hour 3 due to two power outages. Twelve hours of data were invalid due to these two events. Data collected on October 16 hour 8 and on October 25 hour 4 for all gas parameters were discarded as the analyzers were recovering from the power failures.
- TRS/THC/CH₄/NMHC: A zero-span check was initiated after the power outage on October 25 hour 7 to confirm the analyzers' functionality. Both analyzers passed the check requirements. One hour of downtime was recorded as a result.
- WS/WD/RH/BP/AT: Invalid data were recorded following the power failure on October 16. Troubleshooting revealed an issue with analog software to datalogger communication. The issue was fixed on October 17. Twenty-six hours of data were discarded due to this event.
- WS/WD: Invalid data were recorded on October 23 between hour 0 and hour 10 due to wind system malfunction. The cause was due to freezing rain that impacted the wind system blade to function properly.

VOC Canister Sampling Program:

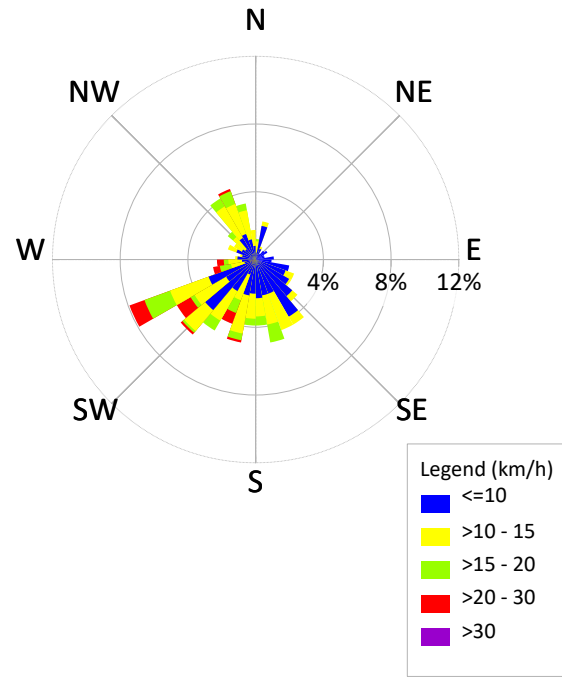
- One NMHC canister was collected at Reno site on October 17 at 20:45, at concentration of 0.73ppm.

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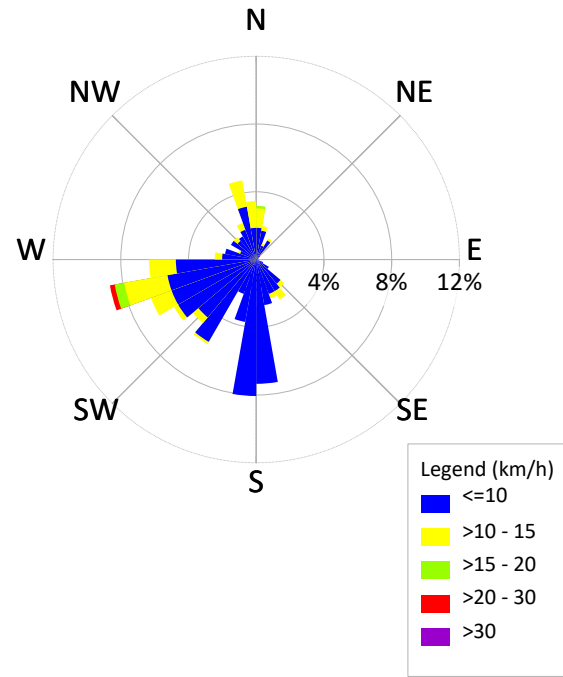
Station 986c



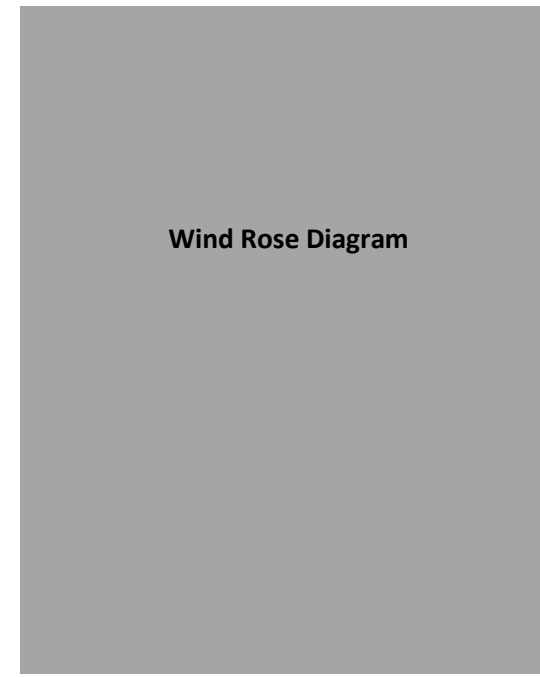
Station 842b



Reno Station



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AQHI Station (coming soon)

