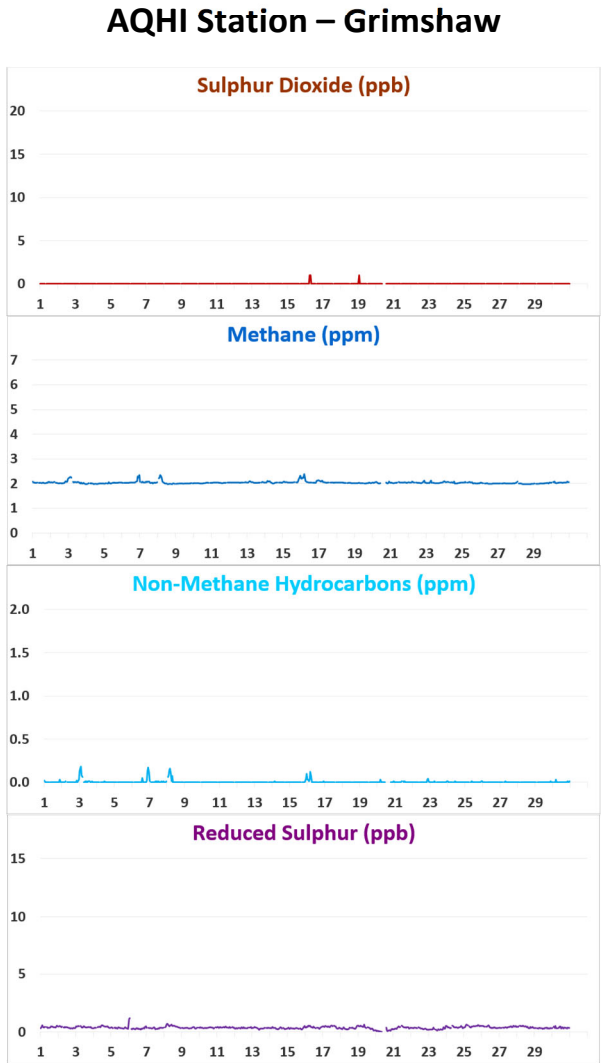
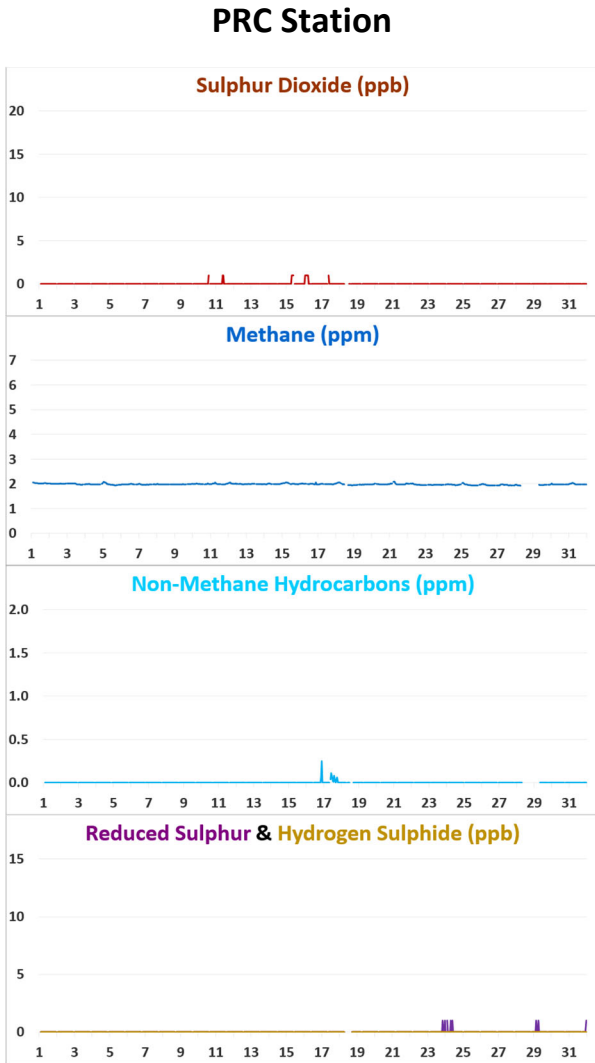
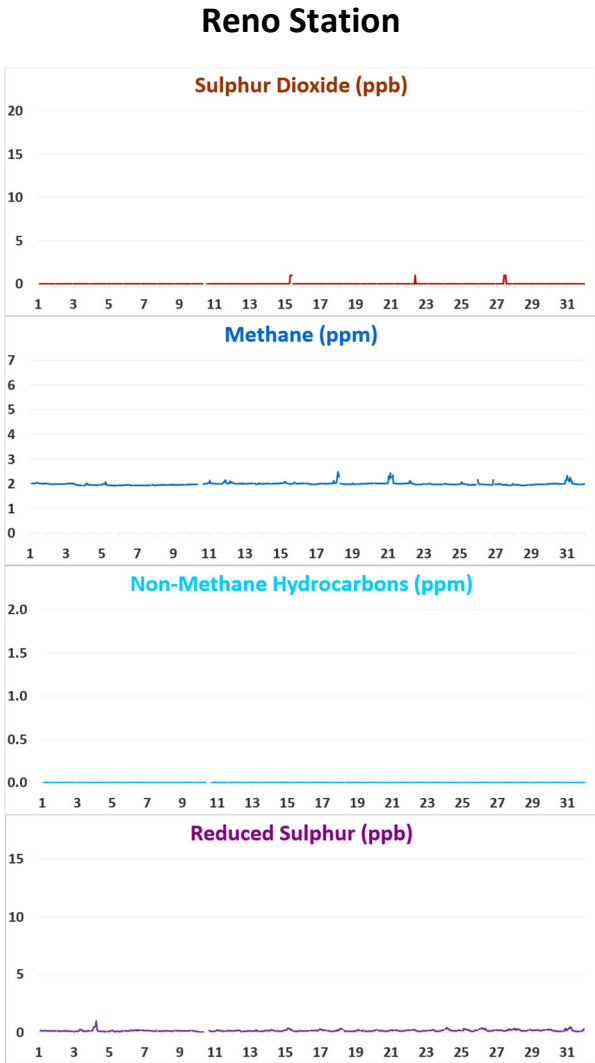
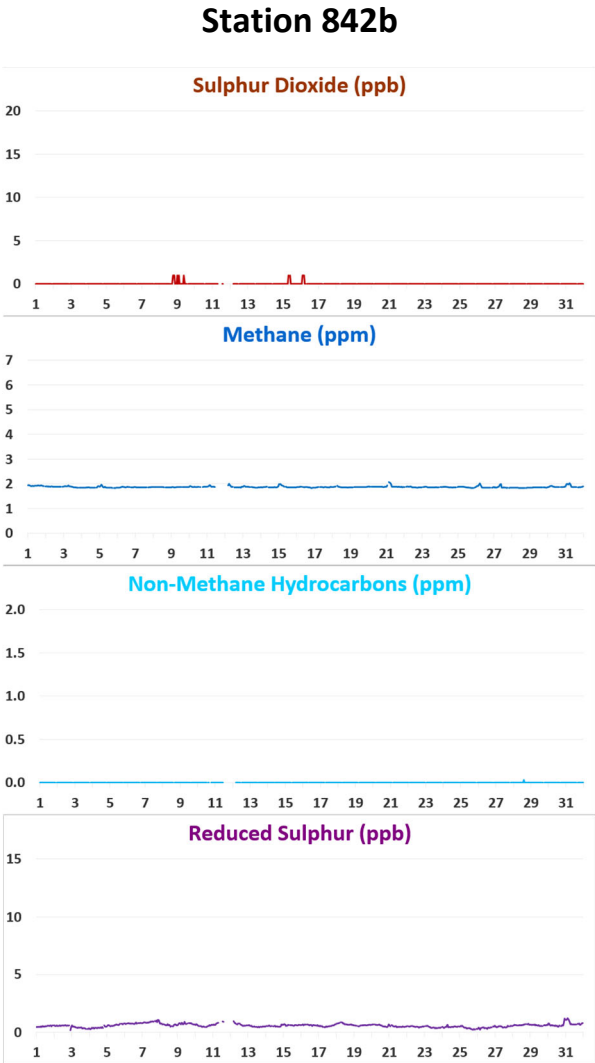
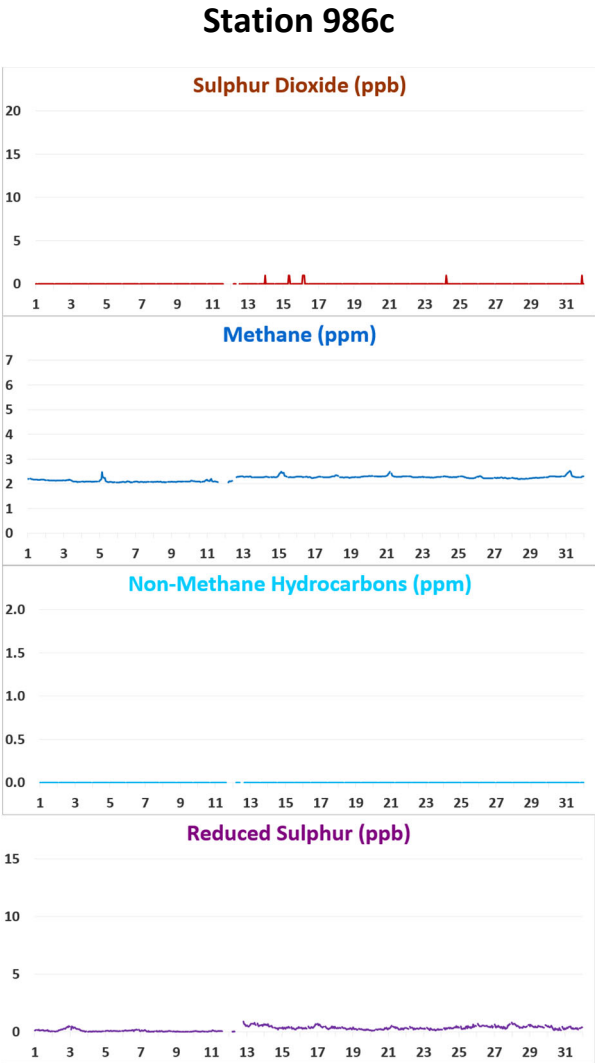


May 2022: Active Monitoring Program



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

986c 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.

842b 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 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.
- RH:** The probe failed on May 23 hour 7, and it was replaced on June 9 hour 10. 209 hours of downtime were recorded in May.

PRC Station

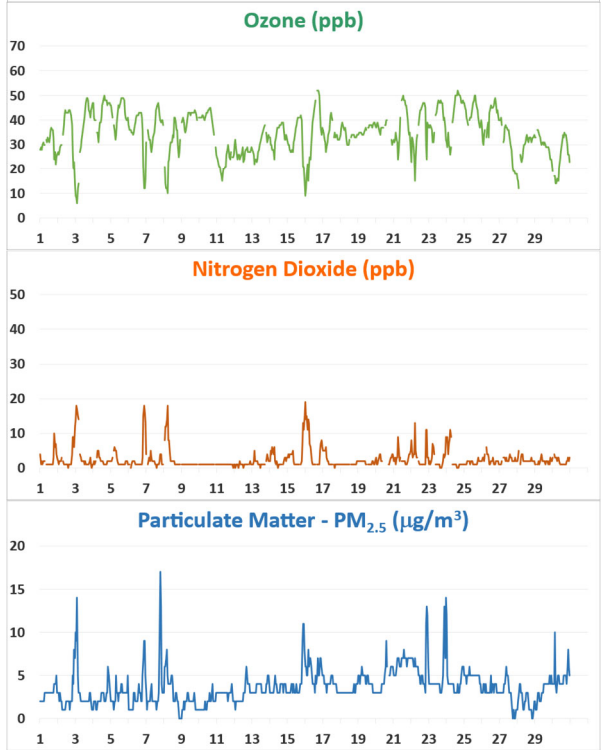
- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

AQHI Station – Grimshaw

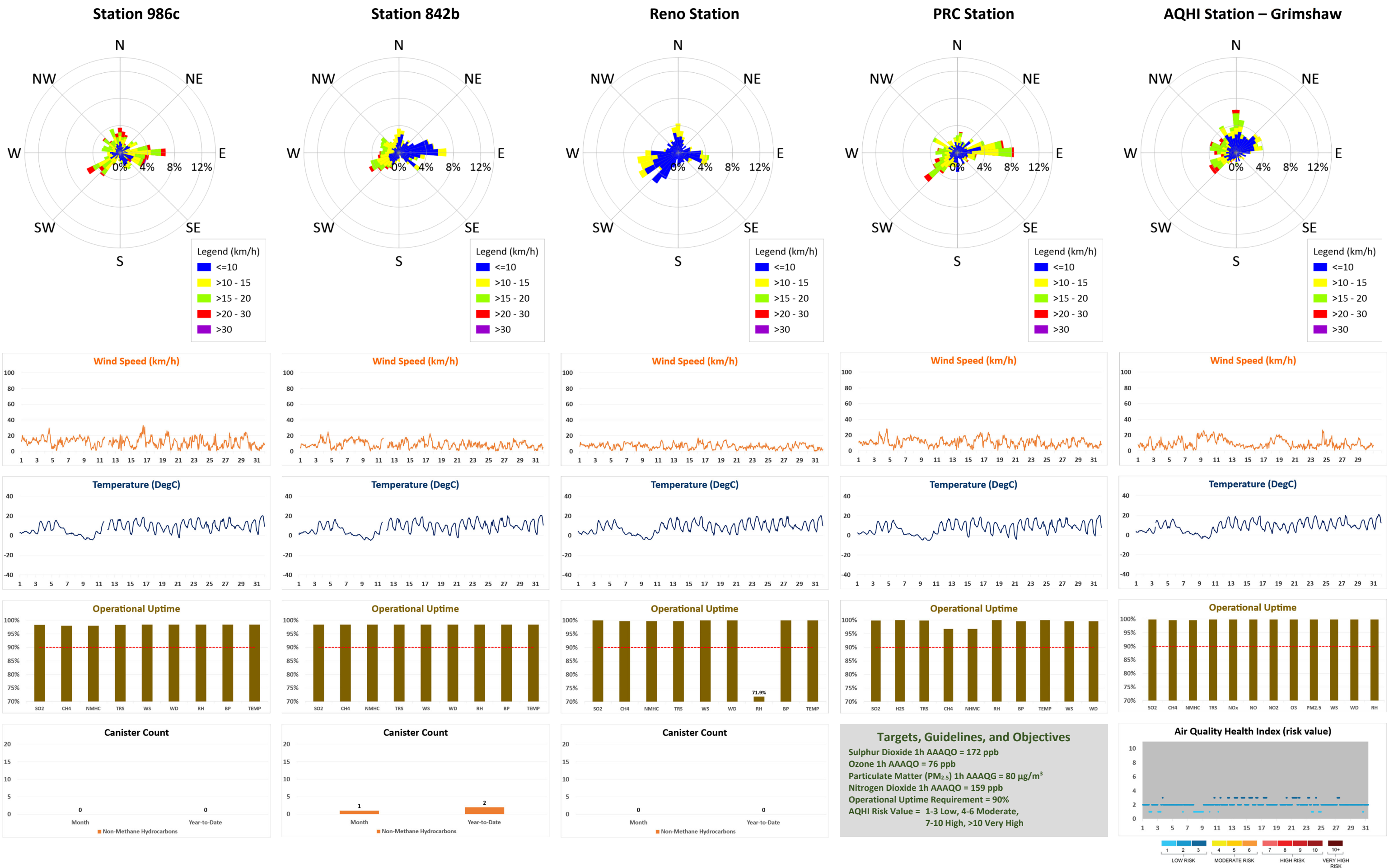
- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

VOCs Canister Sampling Program

- A canister was triggered at PRAMP’s 842b Station on May 28 at 14:15. The canister was triggered by a continuously monitored non-methane hydrocarbon concentration of 0.37 ppm (expressed as a 5-minute average). Wind was recorded coming from the west at a speed of 10 km/h.
- Only the non-methane hydrocarbon triggered canisters sampling program remains active; the methane triggered canister sampling program has been paused pending analysis of VOC data.



May 2022: 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 µg/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

Air Quality Health Index (risk value)