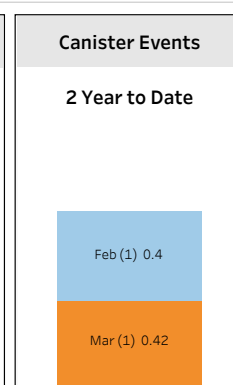
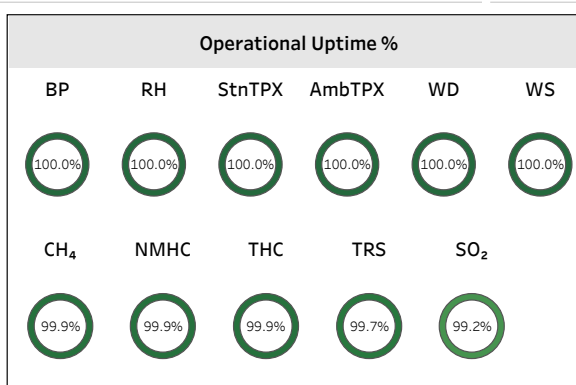
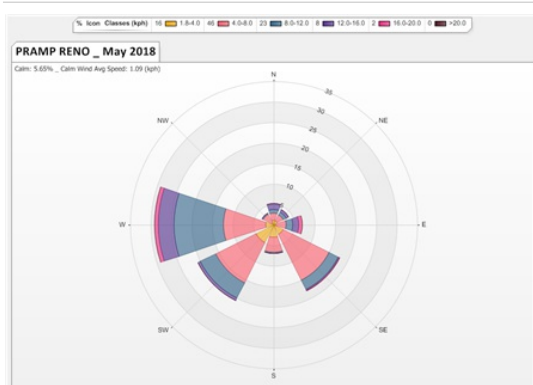


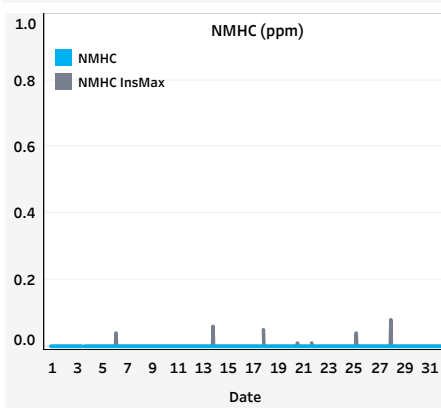
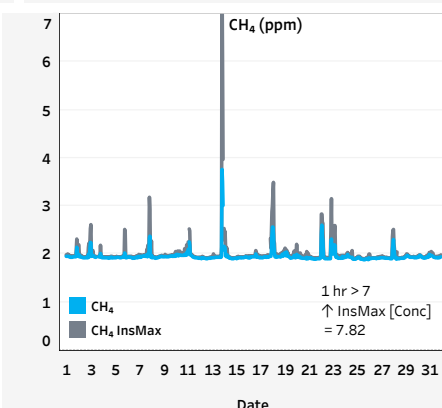
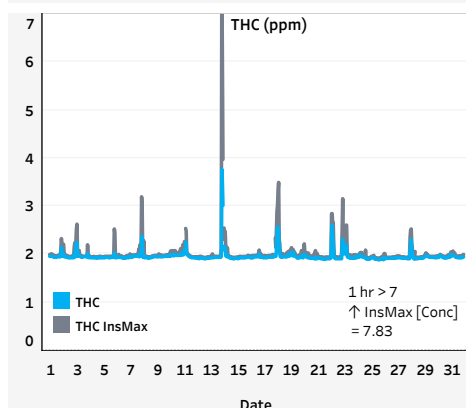
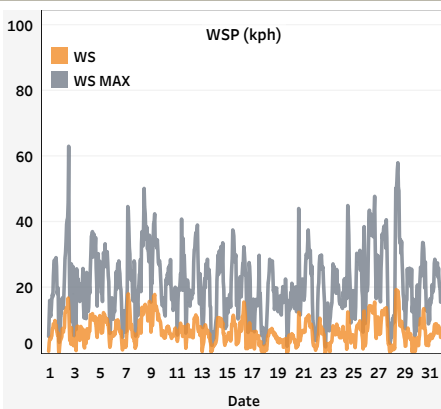
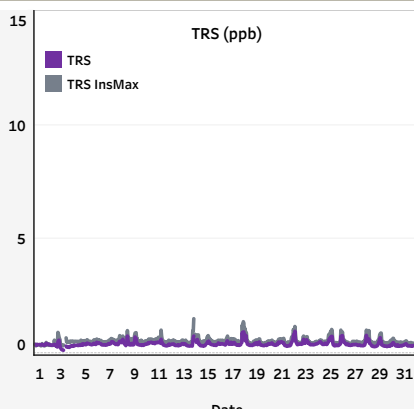
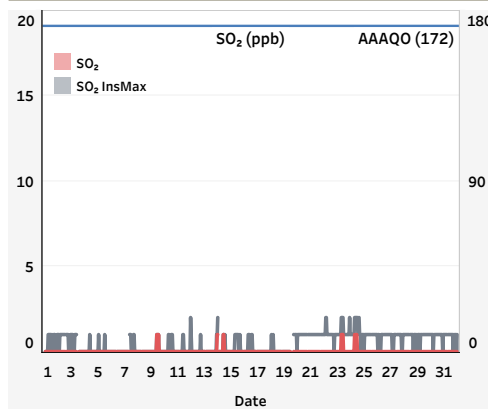
## Peace River Area Monitoring Program Committee - Reno Station May 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2017).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

| Station      | Pollutant       | Unit   | AVG [Conc] | Uptime | Hourly Max [Conc] | Max Date    | WS   | WD        | # Hrs >172 AAAQO | 24-Hr Max [Conc] | 24-Hr Avg Max Date | # Days >48 AAAQO |
|--------------|-----------------|--------|------------|--------|-------------------|-------------|------|-----------|------------------|------------------|--------------------|------------------|
| PRAMP - Reno | SO <sub>2</sub> | ppb    | 0          | 99.2%  | 1                 | May 9 Hr9   | 18.1 | 107 (ESE) | 0                | 0                | May 1              | 0                |
|              | TRS             | ppb    | 0.41       | 99.7%  | 0.97              | May 22 Hr5  | 2.4  | 200 (SSW) | -                | 0.53             | May 22             | -                |
|              | THC             | ppm    | 1.95       | 99.9%  | 3.76              | May 13 Hr21 | 1.2  | 213 (SSW) | -                | 2.12             | May 13             | -                |
|              | CH <sub>4</sub> | ppm    | 1.95       | 99.9%  | 3.76              | May 13 Hr21 | 1.2  | 213 (SSW) | -                | 2.12             | May 13             | -                |
|              | NMHC            | ppm    | 0.00       | 99.9%  | 0.00              | May 1 Hr0   | 0.9  | 282 (W)   | -                | 0.00             | May 1              | -                |
|              | WS              | kph    | 2.5        | 100.0% | 19.6              | May 28 Hr11 | 19.6 | 250 (WSW) | -                | 11.2             | May 9              | -                |
|              | WD              | degree | 232 (SW)   | 100.0% | -                 | -           | -    | -         | -                | -                | -                  | -                |
|              | RH              | %      | 42         | 100.0% | 90                | May 11 Hr4  | 3.9  | 193 (S)   | -                | 64               | May 17             | -                |
|              | BP              | mbar   | 938        | 100.0% | 949               | May 17 Hr9  | 6.9  | 96 (E)    | -                | 948              | May 17             | -                |
|              | AmbTPX          | °C     | 14.5       | 100.0% | 30.7              | May 23 Hr15 | 5.9  | 128 (SE)  | -                | 23.7             | May 23             | -                |
|              | StnTPX          | °C     | 21.5       | 100.0% | 25.2              | May 6 Hr17  | 7.1  | 277 (W)   | -                | 23.8             | May 6              | -                |



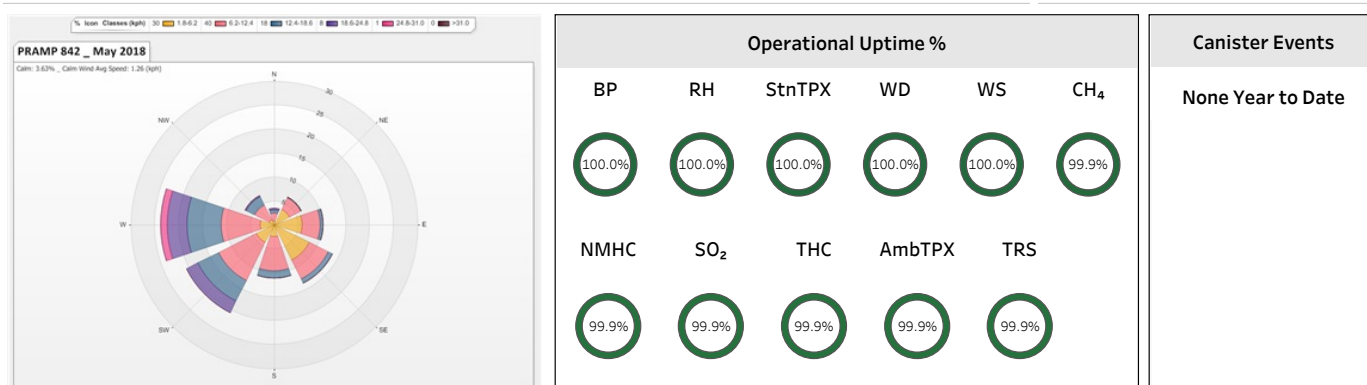
**Operational Summary \_ SO<sub>2</sub>:** Uptime was 99.2% = 6 hrs downtime. Additional zero-span check (IZS) on May 18 and repeat cal on May 19 were performed to address a low span drift (-6 hrs). **TRS:** Uptime was 99.7% = 2 hrs downtime. Additional IZS was performed to assess a high span drift (-2 hrs). **THC/CH<sub>4</sub>/NMHC:** Uptime was 99.9% = 1 hr downtime. The span gas cylinder was replaced on May 19, followed by an IZS (-1 hr).



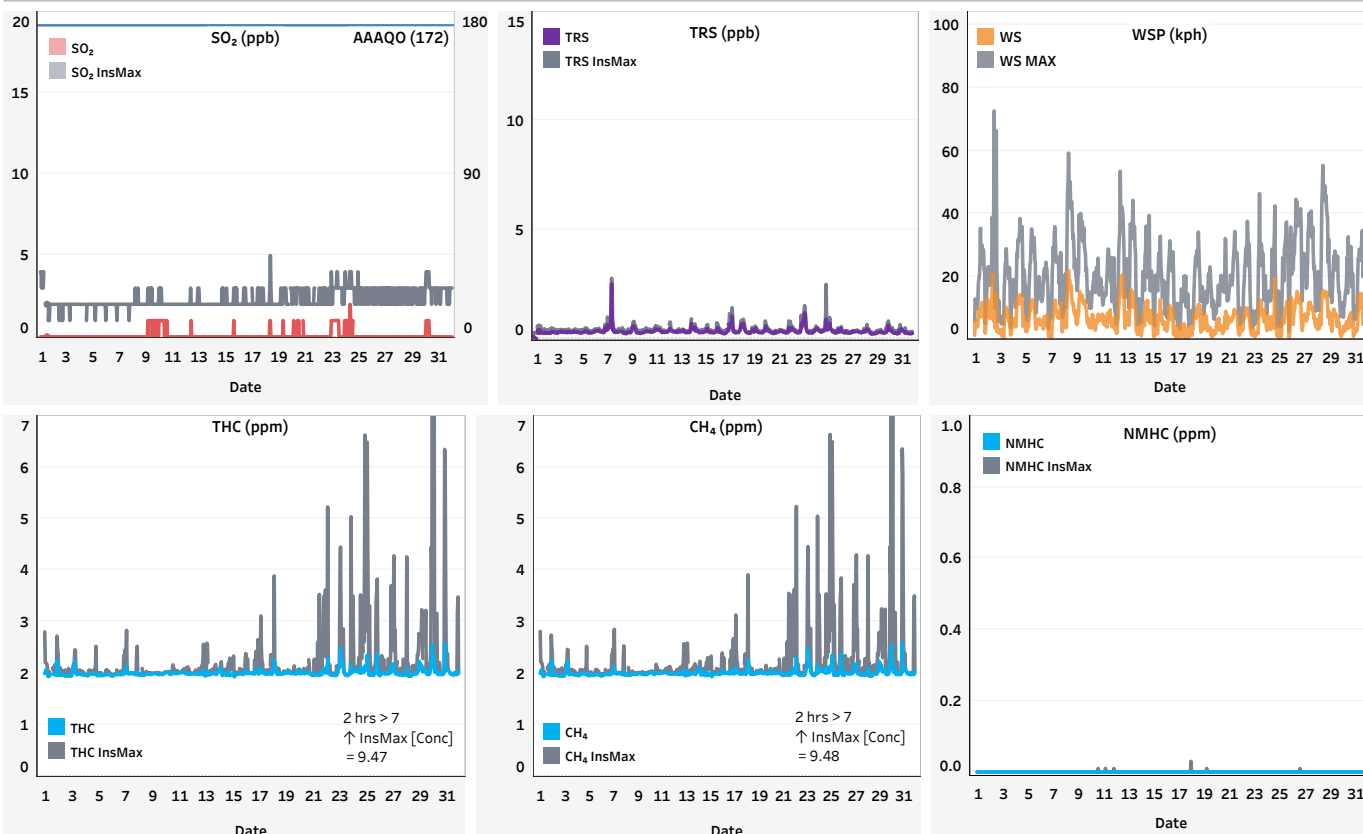
## Peace River Area Monitoring Program Committee - 986b Station May 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2017).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

| Station      | Pollutant       | Unit   | AVG [Conc] | Uptime | Hourly Max [Conc] | Max Date    | WS   | WD        | # Hrs >172 AAAQO | 24-Hr Max [Conc] | 24-Hr Avg Max Date | # Days >48 AAAQO |
|--------------|-----------------|--------|------------|--------|-------------------|-------------|------|-----------|------------------|------------------|--------------------|------------------|
| PRAMP - 986b | SO <sub>2</sub> | ppb    | 0          | 99.9%  | 2                 | May 24 Hr7  | 5.5  | 114 (ESE) | 0                | 1                | May 9              | 0                |
|              | TRS             | ppb    | 0.34       | 99.9%  | 2.51              | May 7 Hr10  | 9.5  | 73 (ENE)  | -                | 0.55             | May 7              | -                |
|              | THC             | ppm    | 2.00       | 99.9%  | 2.58              | May 30 Hr22 | 0.9  | 103 (ESE) | -                | 2.08             | May 30             | -                |
|              | CH <sub>4</sub> | ppm    | 2.00       | 99.9%  | 2.58              | May 30 Hr22 | 0.9  | 103 (ESE) | -                | 2.08             | May 30             | -                |
|              | NMHC            | ppm    | 0.00       | 99.9%  | 0.00              | May 1 Hr0   | 1.3  | 236 (SW)  | -                | 0.00             | May 1              | -                |
|              | WS              | kph    | 2.1        | 100.0% | 21.9              | May 8 Hr10  | 21.9 | 329 (NNW) | -                | 9.7              | May 9              | -                |
|              | WD              | degree | 244 (WSW)  | 100.0% | -                 | -           | -    | -         | -                | -                | -                  | -                |
|              | RH              | %      | 46         | 100.0% | 100               | May 3 Hr6   | 1.3  | 132 (SE)  | -                | 65               | May 30             | -                |
|              | BP              | mbar   | 941        | 100.0% | 952               | May 17 Hr8  | 4.5  | 317 (NW)  | -                | 951              | May 17             | -                |
|              | AmbTPX          | °C     | 15.0       | 99.9%  | 31.6              | May 23 Hr15 | 12.4 | 155 (SSE) | -                | 23.1             | May 23             | -                |
|              | StnTPX          | °C     | 23.3       | 100.0% | 25.5              | May 30 Hr5  | 3.4  | 18 (NNE)  | -                | 23.5             | May 12             | -                |



**Operational Summary \_ Gas Parameters:** Uptime was 99.9% = 1 hr downtime. Daily zero-span check (IZS) failed to execute on May 13. Valid IZS was manually triggered later that day (-1 hr). **AmbTPX:** Uptime was 99.9% = 1 hr downtime. The sensor was repositioned on May 10 to correct an offset (-1 hr).



## Peace River Area Monitoring Program Committee - 842b Station May 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2017).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

| Station      | Pollutant       | Unit   | AVG [Conc] | Uptime | Hourly Max [Conc] | Max Date    | WS   | WD         | # Hrs >172 AAAQO | 24-Hr Max [Conc] | 24-Hr Avg Max Date | # Days >48 AAAQO |
|--------------|-----------------|--------|------------|--------|-------------------|-------------|------|------------|------------------|------------------|--------------------|------------------|
| PRAMP - 842b | SO <sub>2</sub> | ppb    | 0          | 100.0% | 1                 | May 10 Hr6  | 5.5  | 121 (ESE)  | 0                | 1                | May 1              | 0                |
|              | TRS             | ppb    | 0.17       | 100.0% | 0.35              | May 18 Hr5  | 3.5  | 66 (ENE)   | -                | 0.23             | May 7              | -                |
|              | THC             | ppm    | 1.96       | 100.0% | 2.18              | May 18 Hr5  | 3.5  | 66 (ENE)   | -                | 2.02             | May 23             | -                |
|              | CH <sub>4</sub> | ppm    | 1.96       | 100.0% | 2.18              | May 18 Hr5  | 3.5  | 66 (ENE)   | -                | 2.02             | May 23             | -                |
|              | NMHC            | ppm    | 0.00       | 100.0% | 0.00              | May 1 Hr0   | 2.6  | 281 (W)    | -                | 0.00             | May 1              | -                |
|              | WS              | kph    | 4.4        | 100.0% | 30.2              | May 28 Hr12 | 30.2 | 256 (WSW)  | -                | 17.1             | May 27             | -                |
|              | WD              | degree | 240 (WSW)  | 100.0% | -                 | -           | -    | -          | -                | -                | -                  | -                |
|              | RH              | %      | 45         | 100.0% | 95                | May 3 Hr4   | 3.4  | 137 (SE)   | -                | 61               | May 17             | -                |
|              | BP              | mbar   | 942        | 100.0% | 953               | May 17 Hr8  | 2.3  | 298 (WN..) | -                | 952              | May 17             | -                |
|              | AmbTPX          | °C     | 14.0       | 100.0% | 30.2              | May 23 Hr15 | 13.3 | 179 (S)    | -                | 22.5             | May 23             | -                |
|              | StnTPX          | °C     | 21.6       | 100.0% | 24.4              | May 24 Hr17 | 17.3 | 326 (NW)   | -                | 22.8             | May 23             | -                |

