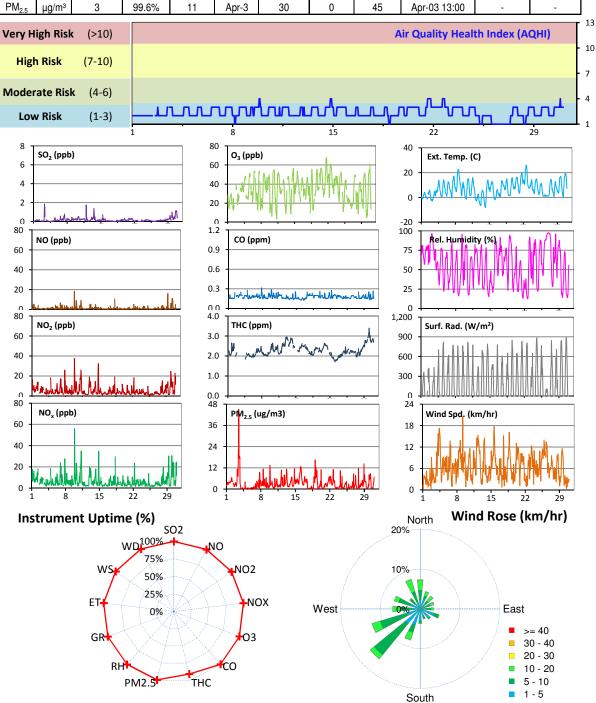
## Palliser Airshed Society - April 2014 Summary Report

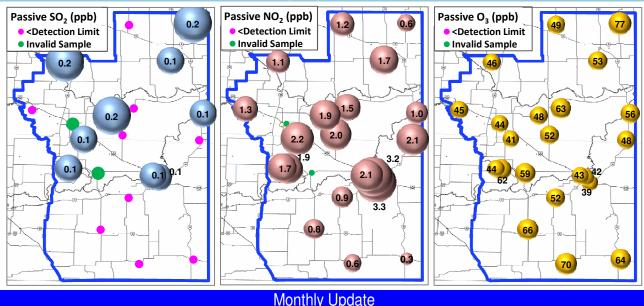
**Continuous Sampling Results - Crescent Heights Station** 

| Pollutants      |       | Month Records |        | 24-Hour Records |        |           |        | 1-Hour Records |              |           |        |
|-----------------|-------|---------------|--------|-----------------|--------|-----------|--------|----------------|--------------|-----------|--------|
| Name            | Conc  | Avg.          | Uptime | Maximum         |        | AAAQO     | Exceed | Maximum        |              | AAAQO     | Exceed |
|                 | Unit  | Conc.         |        | Conc            | Time   | Objective | No.    | Conc           | Time         | Objective | No.    |
| SO <sub>2</sub> | ppb   | 0.2           | 99.2%  | 0.6             | Apr-30 | 48        | 0      | 1.8            | Apr-03 7:00  | 172       | 0      |
| NO              | ppb   | 1.3           | 99.2%  | 3.8             | Apr-30 | -         | -      | 18.3           | Apr-09 21:00 | -         | -      |
| NO <sub>2</sub> | ppb   | 5.3           | 99.2%  | 11.1            | Apr-30 | -         | -      | 37.6           | Apr-09 21:00 | 159       | 0      |
| $NO_X$          | ppb   | 6.5           | 99.2%  | 14.9            | Apr-30 | -         | -      | 55.8           | Apr-09 21:00 | -         | -      |
| O <sub>3</sub>  | ppb   | 34            | 99.2%  | 48              | Apr-22 | -         | -      | 68             | Apr-21 16:00 | 82        | 0      |
| CO              | ppm   | 0.2           | 99.6%  | 0.2             | Apr-3  | -         | -      | 0.3            | Apr-07 20:00 | 13        | 0      |
| THC             | ppm   | 2.3           | 91.0%  | 2.9             | Apr-30 | -         | -      | 3.4            | Apr-30 2:00  | -         | -      |
| $PM_{2.5}$      | μg/m³ | 3             | 99.6%  | 11              | Apr-3  | 30        | 0      | 45             | Apr-03 13:00 | -         | -      |



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## Passive Sampling Results



- \*All data has been slope, intercept, and baseline corrected. Data may change after validation process.
- \*The measured ambient concentrations of all parameters are within the AAAQO.
- \*All compliance parameters are above 90% operational.
- \*Operational issues include: 58 hours of THC data is flagged as "analyzer failure" throughout the month. The zero air generator continues to disrupt the THC analyzer, a new zero air generator has been ordered and will be installed once it has been received. Technicians continue to closely monitor this equipment. 2 hours of data for all parameters is flagged as "maintenance" prior to the calibration on Apr 2, while Technicians re-installed the data logger (it had been removed in February for calibration). In addition, 4 hours of data for SO2, NO/NO2/NOx, O3 and THC, and 1 hour of CO data, is flagged as "maintenance" on Apr 3 while the THC analyzer was worked on.