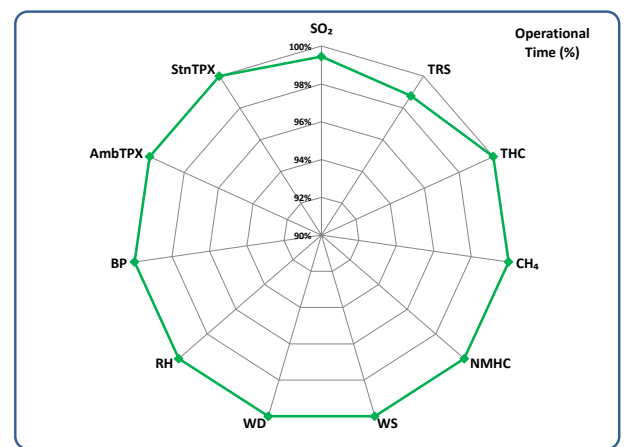
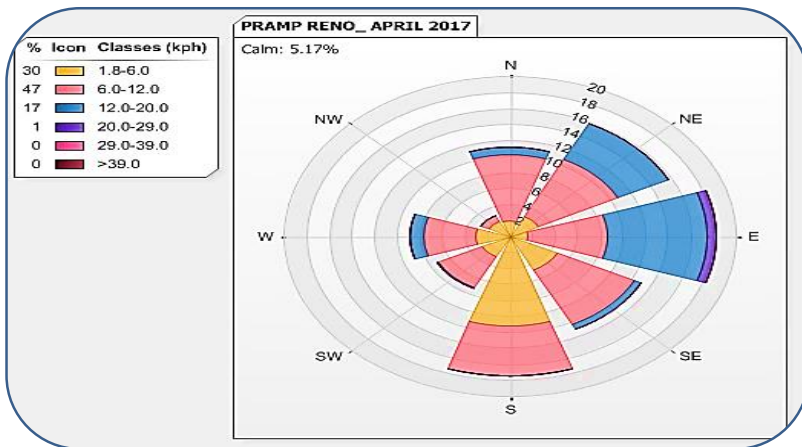
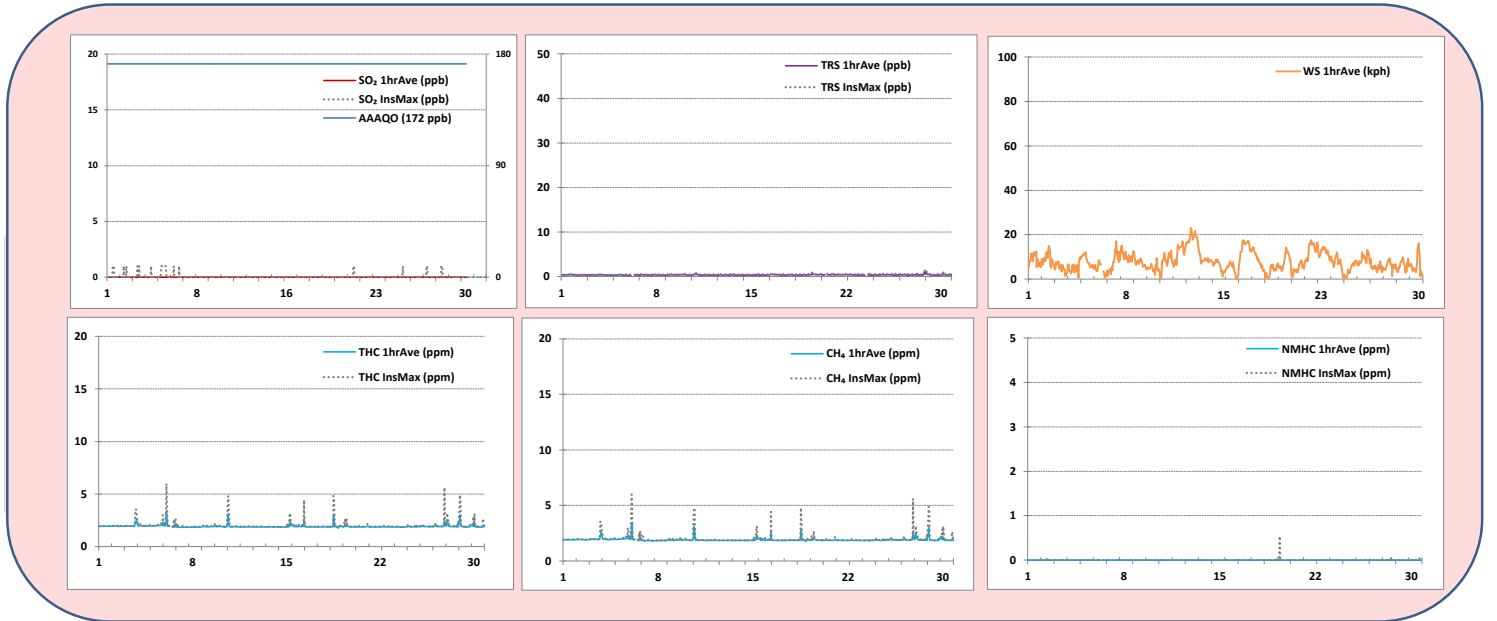


Pollutants		Monthly Records		1-Hour Records					24-Hour Records			
Name	Unit	Avg. Conc.	Uptime	Maximum			AAAQO Objective	Exceed. Hours	Maximum		AAAQO Objective	Exceed. Days
				Conc.	Date	Hour			Conc.	Date		
SO ₂	ppb	0	99.4%	0	ALL	ALL	172	0	0	ALL	48	0
TRS	ppb	0.40	98.8%	1.19	April 29	0	-	-	0.47	April 29	-	-
THC	ppm	1.91	100.0%	3.37	April 6	6	-	-	2.06	April 6	-	-
CH ₄	ppm	1.91	100.0%	3.37	April 6	6	-	-	2.06	April 6	-	-
NMHC	ppm	0.00	100.0%	0.03	April 20	4	-	-	0.00	ALL	-	-
WS	kph	3.1	100.0%	23.1	April 13	8	-	-	18.1	April 13	-	-
WD	degree	85 (E)	100.0%	-	-	-	-	-	-	-	-	-
RH	%	65	100.0%	95	April 7, 14	7, VAR	-	-	94	April 14	-	-
BP	mbar	938	100.0%	951	April 21, 22	VAR, VAR	-	-	951	April 21	-	-
AmbTPX	°C	2.7	100.0%	14.1	April 29	14	-	-	8.0	April 29	-	-
StnTPX	°C	22.6	100.0%	23.8	VAR	VAR	-	-	22.8	April 4, 29	-	-



Monthly Update

* The sampling, collection and reporting of air monitoring data was performed by Maxxam Analytics and complies with the quality assurance practices outlined in the Alberta Air Monitoring Directive (Alberta Environment and Parks, 2016).

* All data collected this month were within the objectives outlined in the AMD 2016 and AAAQO 2016.

* The operational time for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

Operational Issues

SO₂:

- Operational time, for the monitoring period was 99.4%, equivalent to four hours of downtime.
- During the monthly calibration on April 6, the analyzer exhibited a moderate delayed response when tested at high point. A repeat calibration was completed on April 7 to further assess the analyzer's performance and the result met AMD's calibration requirements. Four hours of downtime were recorded due to this event.

TRS:

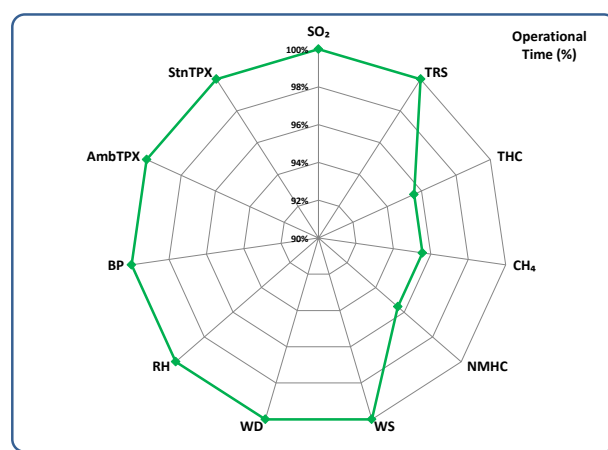
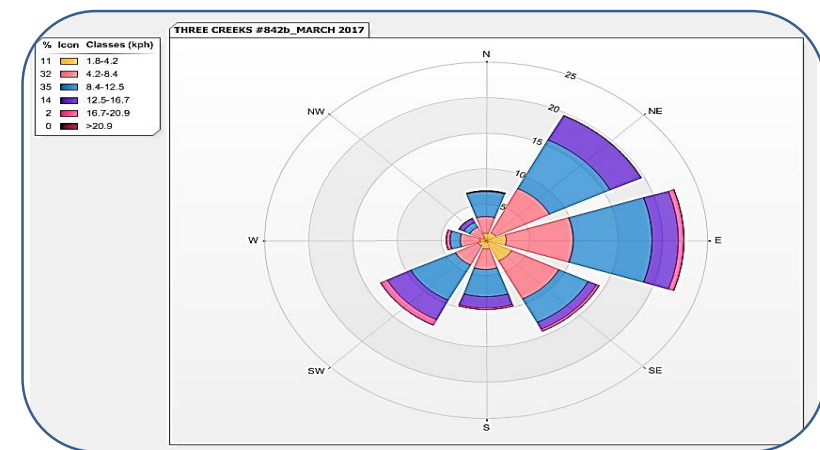
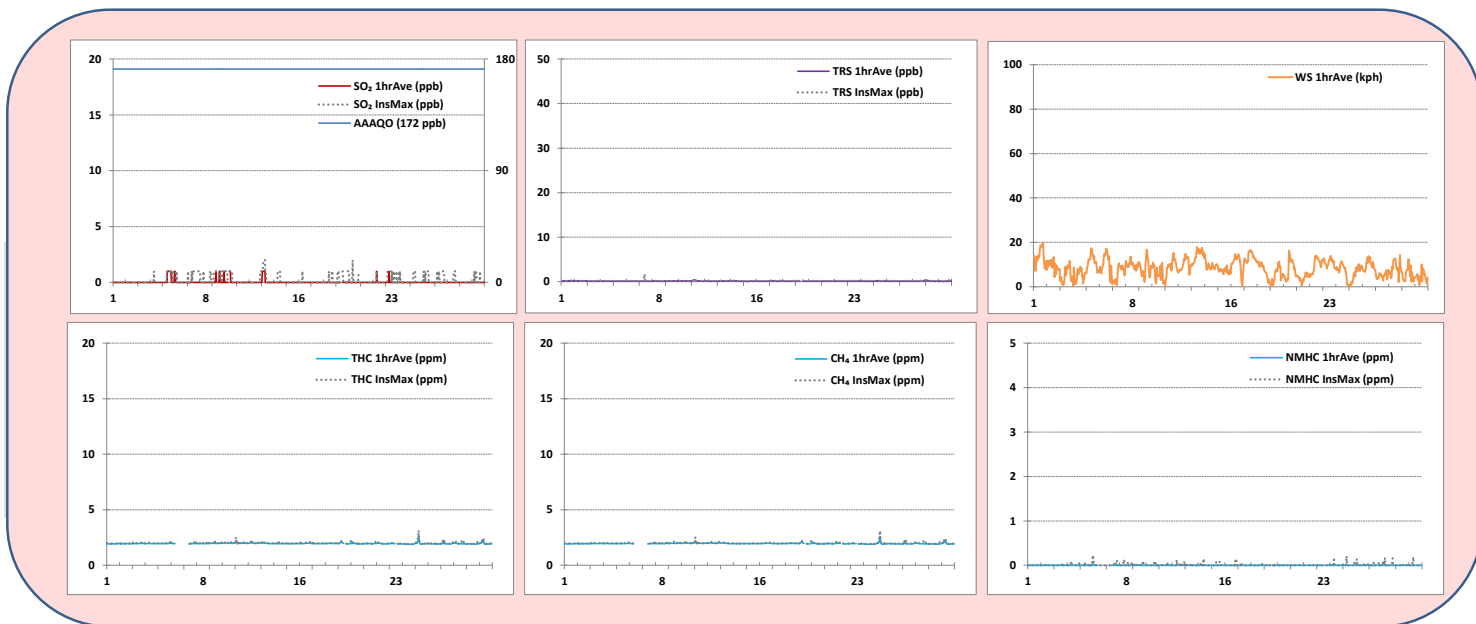
- Operational time, for the monitoring period was 98.8%, equivalent to nine hours of downtime.
- A repeat span check that was triggered after the routine monthly calibration on April 6, to assess analyzer stability and subsequently update the expected span value. One hour of downtime was recorded as a result.
- The analyzer was exhibiting a biased low span response. As corrective actions, three additional span checks were triggered between April 20 and April 21 and a successful repeat calibration was performed on April 24. Eight hours of downtime were recorded due to these additional quality checks.

Wind System:

Following the wind system upgrade in February 2017, it was discovered that the manufacturer had made an error in units that resulted in data being under-reported by 0.45%. The wind system was calibrated on April 5, during which the PRAMP April 2017 AQM dataset was corrected for data collected between April 1 and April 5.

April 2017 Monthly Report Summary

Pollutants		Monthly Records		1-Hour Records					24-Hour Records			
Name	Unit	Avg. Conc.	Uptime	Maximum			AAAQO Objective	Exceed. Hours	Maximum		AAAQO Objective	Exceed. Days
				Conc.	Date	Hour			Conc.	Date		
SO ₂	ppb	0	100.0%	1	VAR	VAR	172	0	ALL	April	48	0
TRS	ppb	0.15	100.0%	0.41	ALL	ALL	-	-	0.21	ALL	-	-
THC	ppm	1.97	95.6%	2.58	April 25	6	-	-	2.00	VAR	-	-
CH ₄	ppm	1.97	95.6%	2.58	April 25	6	-	-	2.00	VAR	-	-
NMHC	ppm	0.00	95.6%	0.02	April 5	22	-	-	0.00	ALL	-	-
WS	kph	2.5	100.0%	19.9	April 1	16	-	-	14.1	April 13	-	-
WD	degree	98 (E)	100.0%	-	-	-	-	-	-	-	-	-
RH	%	66	100.0%	97	April 29	5	-	-	92	April 14	-	-
BP	inHg	942	100.0%	956	April 21, 22	VAR, VAR	-	-	955	April 21	-	-
AmbTPX	°C	2.7	100.0%	13.7	April 29	15	-	-	6.5	April 6	-	-
StnTPX	°C	23.1	100.0%	25.0	April 12	19	-	-	23.6	VAR	-	-



Monthly Update

- * The sampling, collection and reporting of air monitoring data was performed by Maxxam Analytics and complies with the quality assurance practices outlined in the Alberta Air Monitoring Directive (Alberta Environment and Parks, 2016).
- * All data collected this month were within the objectives outlined in the AMD 2016 and AAAQO 2016.
- * The operational time for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

Operational Issues

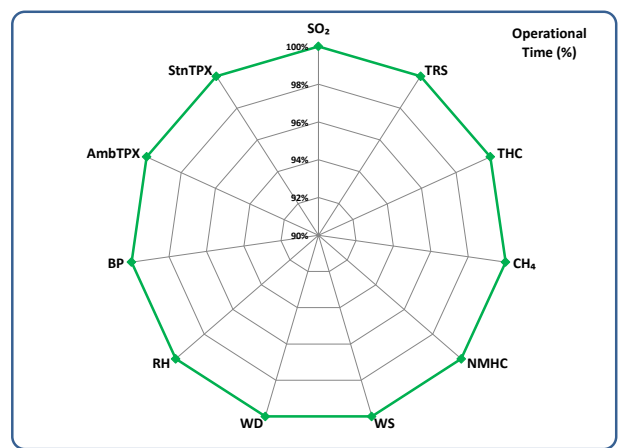
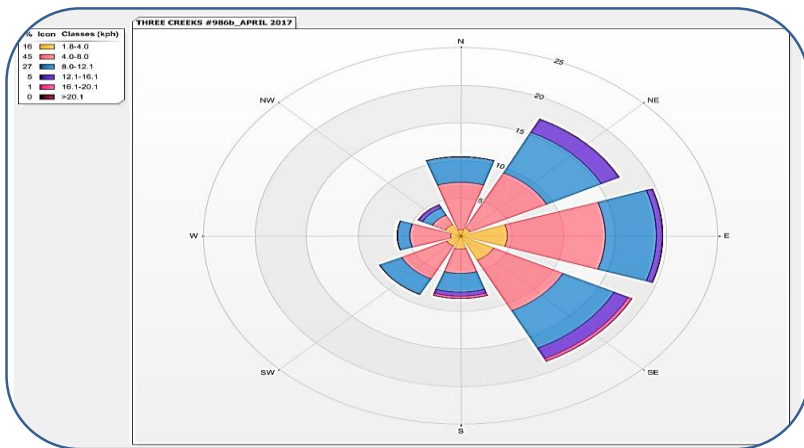
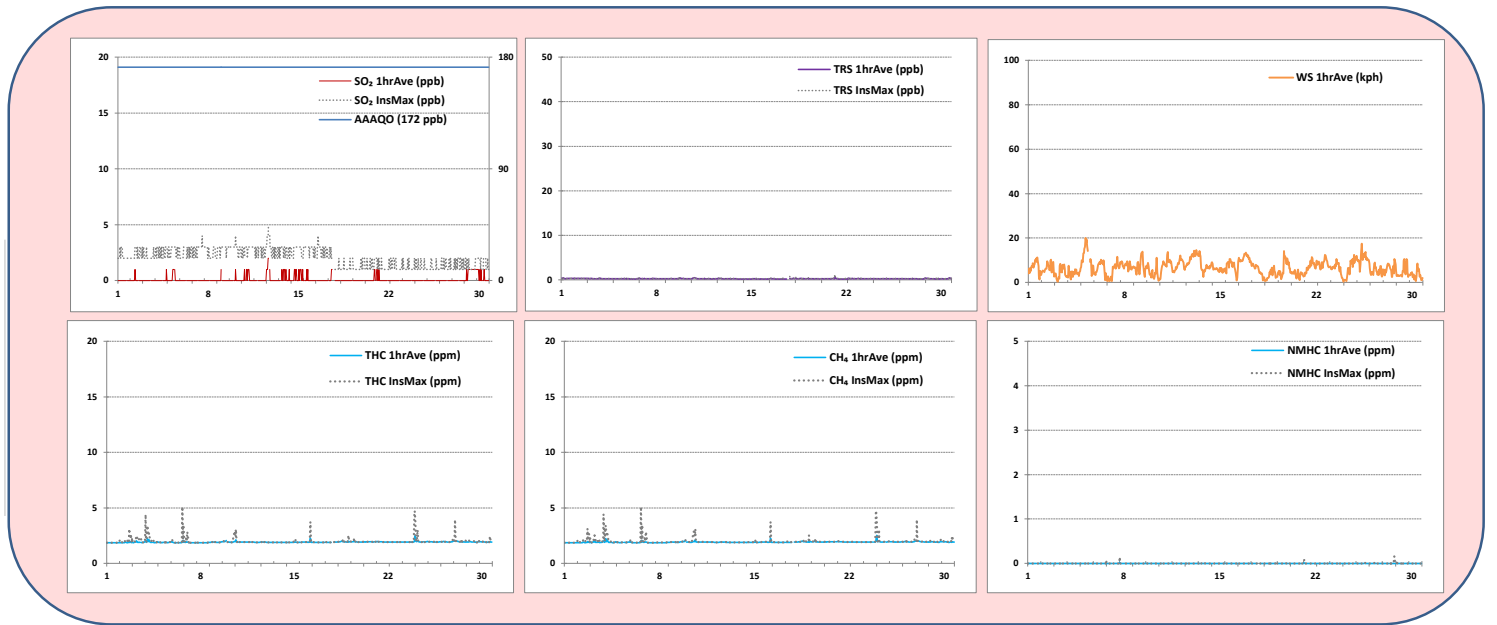
Wind System: Following the wind system upgrade in February 2017, it was discovered that the manufacturer had made an error in units that resulted in data being under-reported by 0.45%. The wind system was calibrated on April 5, during which the wind speed gain was adjusted. This offset was corrected for data collected between April 1 and April 5.

THC/CH₄/NMHC:

- Operational time, for the monitoring period was 95.6%, equivalent to thirty-two hours of downtime.
- The analyzer malfunctioned on April 6. It was reset onsite on April 7, a successful zero-span check was completed afterwards. Twenty-five hours of downtime were recorded due to this event.
- The analyzer was exhibiting a biased high span response. As corrective actions, two additional span checks were triggered on April 22 and a successful repeat calibration was performed on April 23. Seven hours of downtime were recorded due to these additional quality checks.

April 2017 Monthly Report Summary

Pollutants		Monthly Records		1-Hour Records					24-Hour Records			
Name	Unit	Avg. Conc.	Uptime	Maximum			AAAQO Objective	Exceed. Hours	Maximum		AAAQO Objective	Exceed. Days
				Conc.	Date	Hour			Conc.	Date		
SO ₂	ppb	0	100.0%	2	April 13, 13	3, 4	172	0	0.7	April 29	48	0
TRS	ppb	0.26	100.0%	0.50	April 11	5	-	-	0.32	April 1, 2	-	-
THC	ppm	1.92	100.0%	2.52	April 25	0	-	-	1.98	April 25	-	-
CH ₄	ppm	1.92	100.0%	2.52	April 25	0	-	-	1.97	April 25	-	-
NMHC	ppm	0.00	100.0%	0.02	April 8	0	-	-	0.00	ALL	-	-
WS	kph	2.4	100.0%	20.0	April 5	8	-	-	11.2	April 13	-	-
WD	degree	90 (E)	100.0%	-	-	-	-	-	-	-	-	-
RH	%	66	100.0%	97	April 14, 29	VAR, VAR	-	-	94	April 14	-	-
BP	mbar	941	100.0%	956	April 22	VAR	-	-	955	April 21	-	-
AmbTPX	°C	3.0	100.0%	15.3	April 29	16	-	-	7.4	April 29	-	-
StnTPX	°C	21.3	100.0%	22.9	April 6	4	-	-	21.7	April 14, 20	-	-



Monthly Update

- * The sampling, collection and reporting of air monitoring data was performed by Maxxam Analytics and complies with the quality assurance practices outlined in the Alberta Air Monitoring Directive (Alberta Environment and Parks, 2016).
- * All data collected this month were within the objectives outlined in the AMD 2016 and AAAQO 2016.
- * The operational time for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

Operational Issues

Wind System: Following the wind system upgrade in February 2017, it was discovered that the manufacturer had made an error in units that resulted in data being under-reported by 0.45%. The wind system was calibrated on April 5, during which the wind speed gain was adjusted. This offset was corrected for data collected between April 1 and April 5.