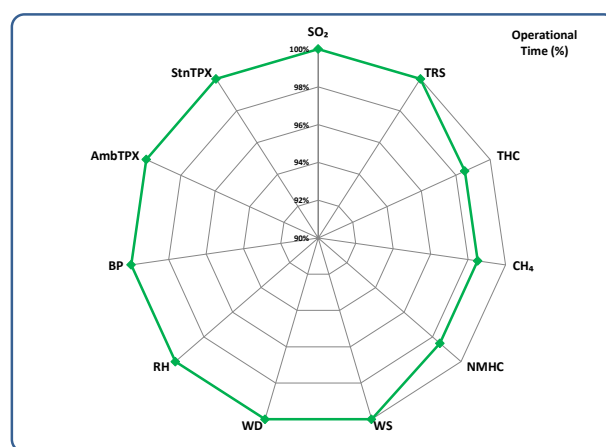
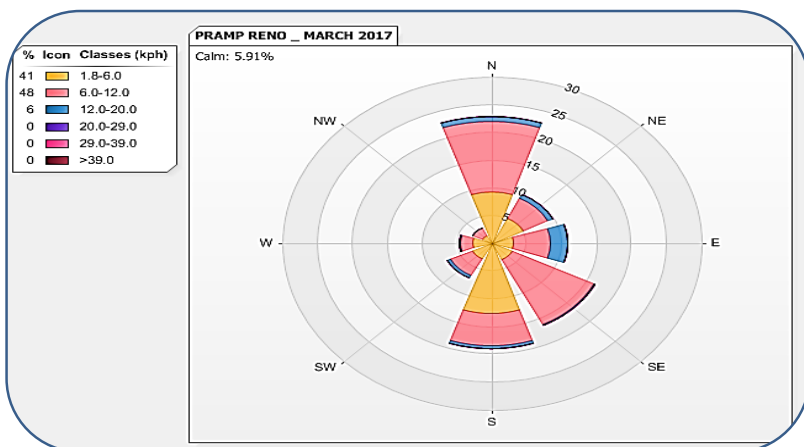
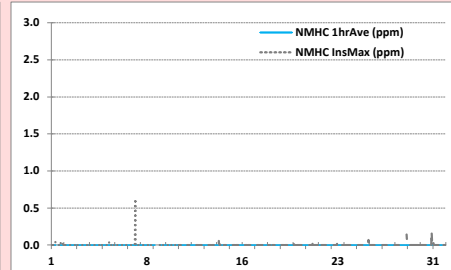
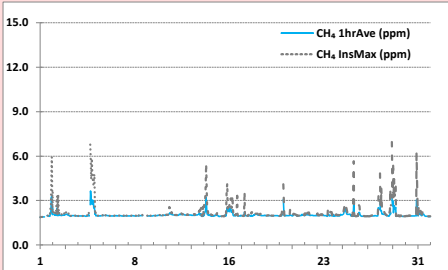
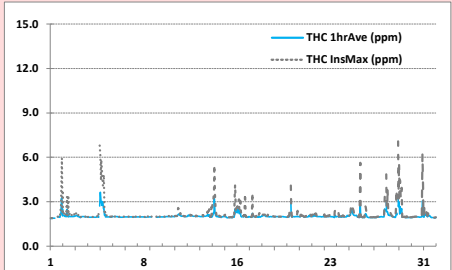
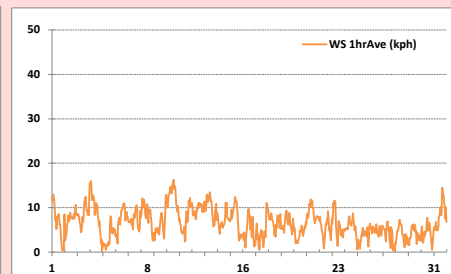
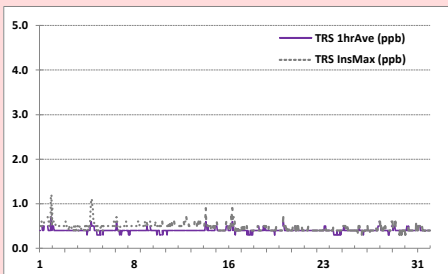
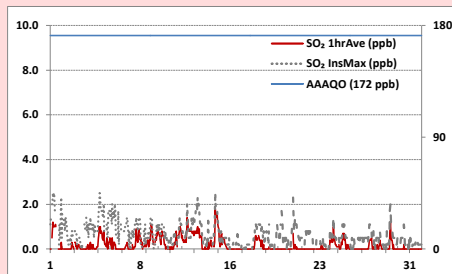


Pollutants		Monthly Records		1-Hour Records					24-Hour Records			
Name	Unit	Avg. Conc.	Uptime	Maximum			AAAQO Objective	Exceed. Hours	Maximum		AAAQO Objective	Exceed. Days
				Conc.	Date	Hour			Conc.	Date		
SO ₂	ppb	0.2	100.0%	1.8	March 14	18	172	0	0.7	March 12	48	0
TRS	ppb	0.4	100.0%	0.7	March 1	22	-	-	0.5	March 1	-	-
THC	ppm	2.04	98.5%	3.65	March 5	0	-	-	2.32	March 5	-	-
CH ₄	ppm	2.04	98.5%	3.65	March 5	0	-	-	2.32	March 5	-	-
NMHC	ppm	0.00	98.5%	0.01	March 7	14	-	-	0.00	March 7	-	-
WS	kph	1.8	100.0%	16.3	March 10	13	-	-	12.2	March 10	-	-
WD	degree	98 (E)	100.0%	-	-	-	-	-	-	-	-	-
RH	%	62	100.0%	95	March 16	21	-	-	75	March 17	-	-
BP	mbar	938	100.0%	960	March 9	9	-	-	958	March 9	-	-
AmbTPX	°C	-6.1	100.0%	11.8	March 30	16	-	-	5.2	March 30	-	-
StnTPX	°C	22.3	100.0%	24.0	March 25	16	-	-	23.1	March 25	-	-



Monthly Update

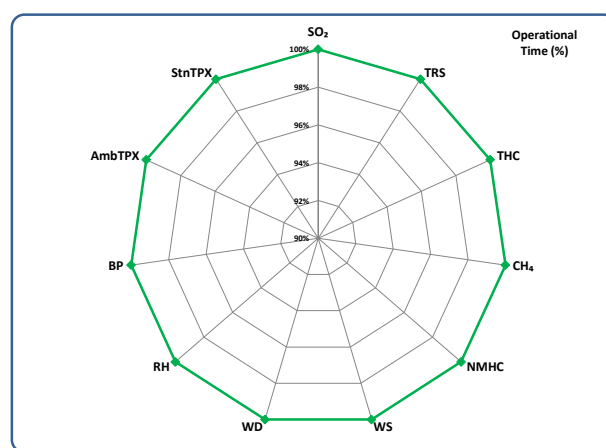
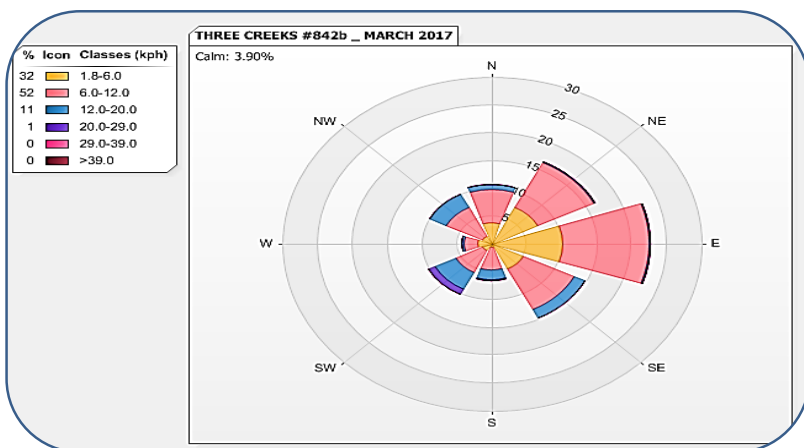
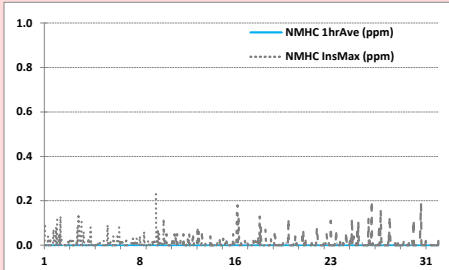
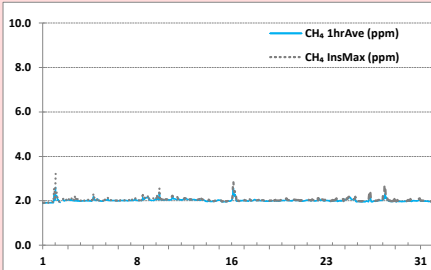
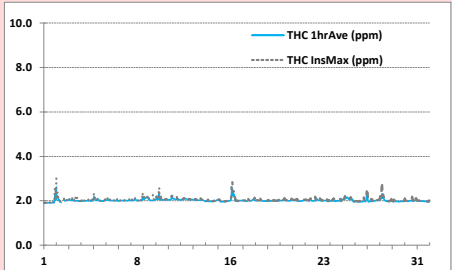
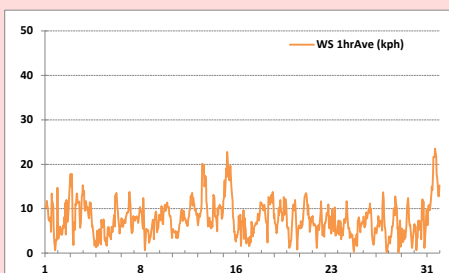
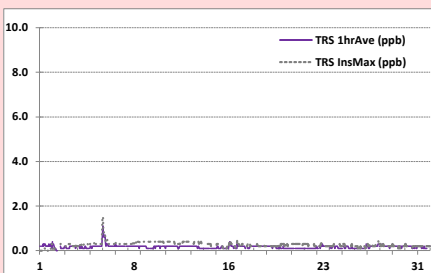
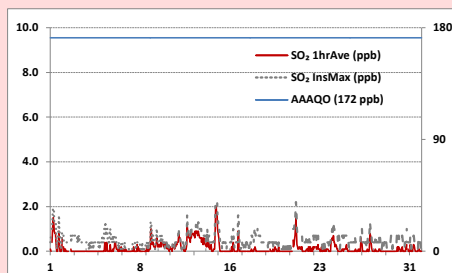
- * The sampling, collection and reporting of air monitoring data was performed by Maxxam Analytics and complies with the quality assurance practices outlined in the Alberta Air Monitoring Directive (Alberta Environment and Parks, 2016).
- * All data collected this month were within the objectives outlined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

- THC/CH₄/NMHC:** Eleven hours of downtime were recorded this month.
- Two hours of data were collected on March 6 at lower than historical concentrations and were, therefore, invalidated.
 - Ten hours of data were discarded on March 9, due to a malfunction of the zero air system. This was caused by cold weather conditions.
 - One hour of data collected on March 26, at hour 16:00, was invalidated due to an anomalous spike in NMHC concentration.
 - A five-minute average NMHC concentration of 0.45ppm was recorded on March 26 at 16:20. However, this was not considered to be a valid canister event as it resulted from the anomalous spike in minute data observed at that period.

March 2017 Monthly Report Summary

Pollutants		Monthly Records		1-Hour Records					24-Hour Records			
				Maximum			AAAQO Objective	Exceed. Hours	Maximum		AAAQO Objective	Exceed. Days
Name	Unit	Avg. Conc.	Uptime	Conc.	Date	Hour			Conc.	Date		
SO ₂	ppb	0.1	100.0%	2.0	March 14	20	172	0	0.6	March 13	48	0
TRS	ppb	0.2	100.0%	1.1	March 6	0	-	-	0.3	March 6	-	-
THC	ppm	2.02	100.0%	2.68	March 1	23	-	-	2.09	March 16	-	-
CH ₄	ppm	2.02	100.0%	2.68	March 1	23	-	-	2.09	March 16	-	-
NMHC	ppm	0.00	100.0%	0.01	March 2	0	-	-	0.00	March 2	-	-
WS	kph	1.4	100.0%	23.5	March 31	15	-	-	13.4	March 31	-	-
WD	degree	96 (E)	100.0%	-	-	-	-	-	-	-	-	-
RH	%	66	100.0%	95	March 16	20	-	-	79	March 17	-	-
BP	mbar	942	100.0%	965	March 9	6	-	-	964	March 9	-	-
AmbTPX	°C	-6.4	100.0%	13.1	March 30	16	-	-	5.4	March 30	-	-
StnTPX	°C	22.2	100.0%	24.7	March 14	17	-	-	23.3	March 14	-	-



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.

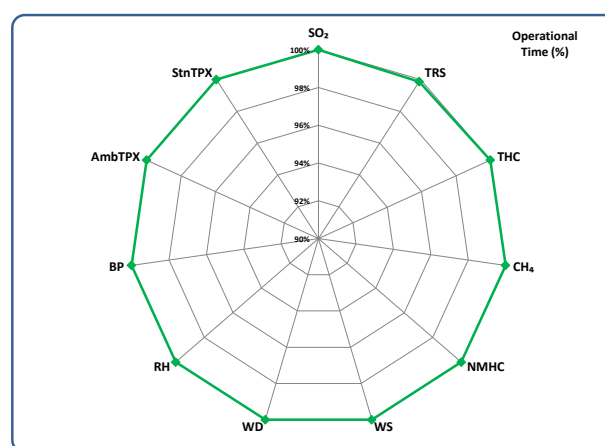
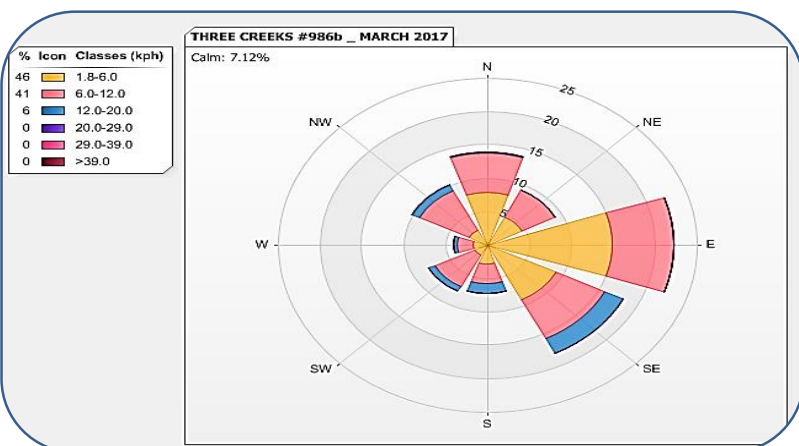
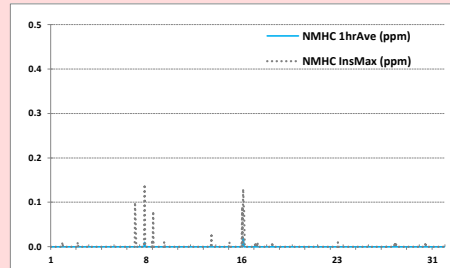
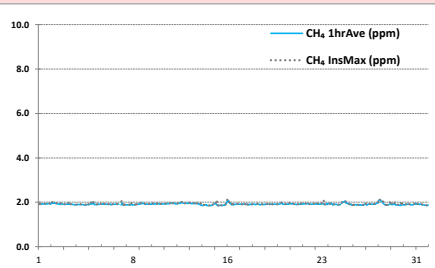
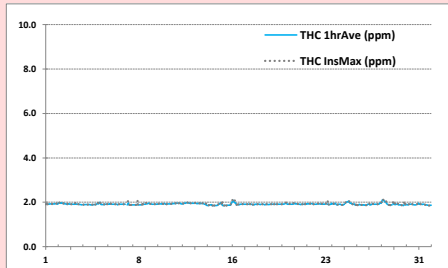
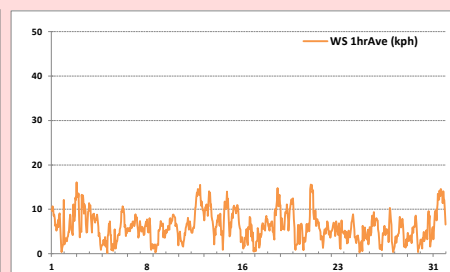
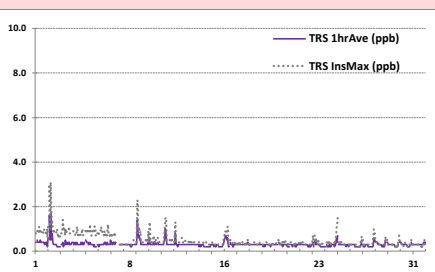
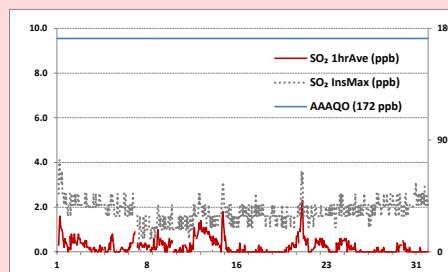
* The operational time for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

Operational Issues

No issues were identified this month. The operational time for all monitored parameters was 100%.

March 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	0.2	100.0%	2.3	March 21	12	172	0	0.9	March 21	48	0
TRS	ppb	0.3	99.9%	1.7	March 2	5	-	-	0.5	March 2	-	-
THC	ppm	1.92	100.0%	2.12	March 28	2	-	-	1.96	March 28	-	-
CH ₄	ppm	1.92	100.0%	2.12	March 28	2	-	-	1.96	March 28	-	-
NMHC	ppm	0.00	100.0%	0.02	March 16	3	-	-	0.00	March 16	-	-
WS	kph	1.2	100.0%	16.1	March 2	23	-	-	10.0	March 12	-	-
WD	degree	96 (E)	100.0%	-	-	-	-	-	-	-	-	-
RH	%	65	100.0%	93	March 25	0	-	-	77	March 25	-	-
BP	mbar	942	100.0%	965	March 9		-	-	963	March 9	-	-
AmbTPX	°C	-6.8	100.0%	11.4	March 30	15	-	-	5.5	March 31	-	-
StnTPX	°C	21.4	100.0%	22.8	March 29	5	-	-	21.8	March 2	-	-



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

TRS: The analyzer was upgraded to a trace level model on March 7. One hour of downtime was recorded due to this event.