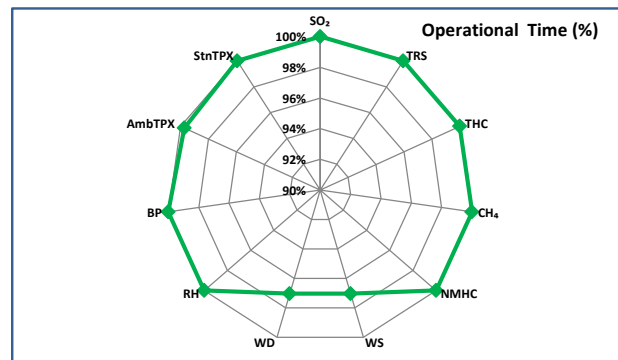
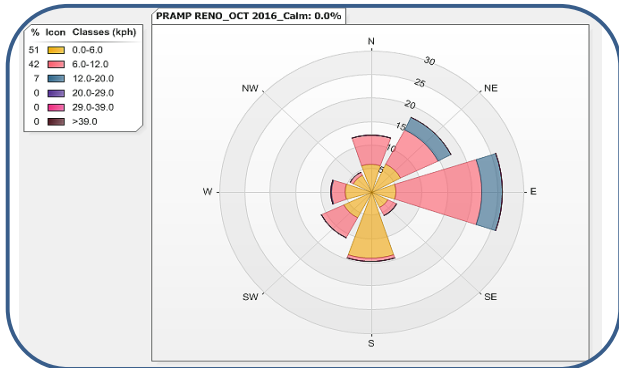
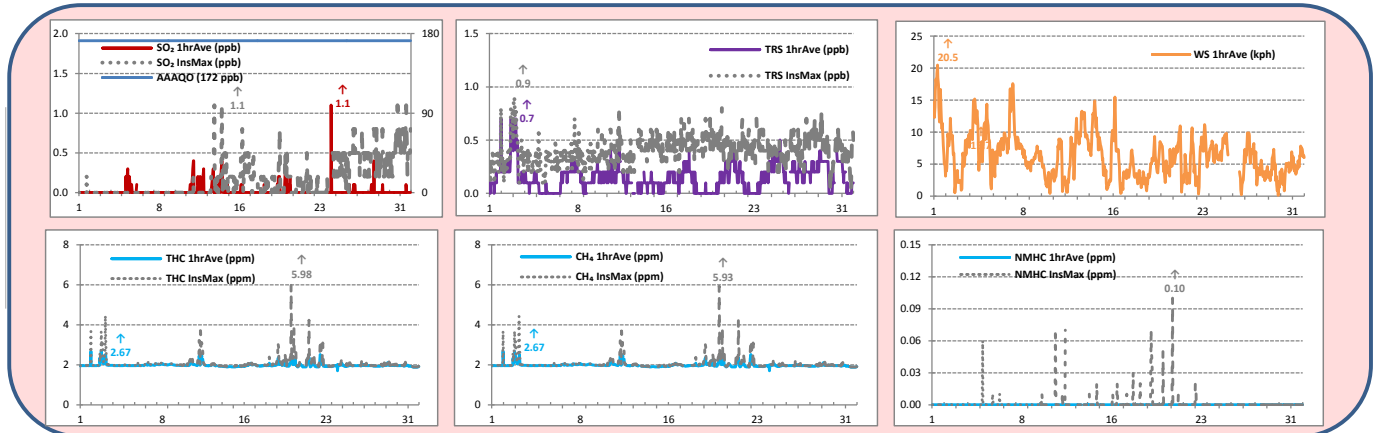


Pollutants		Monthly Records		1-Hour Records					24-Hour Records			
Name	Unit	Avg. Conc.	Uptime	Maximum			AAAQO Objective	Exceed. Hours	Maximum		AAAQO Objective	Exceed. Days
				Conc.	Date	Hour			Conc.	Date		
SO <sub>2</sub>	ppb	0.0	100.0%	1.1	October 24	13	172	0	0.1	VAR	48	0
TRS	ppb	0.2	100.0%	0.7	October 2, 3	VAR	-	-	0.3	VAR	-	-
THC	ppm	1.98	100.0%	2.67	October 2	22	-	-	2.09	October 3	-	-
CH <sub>4</sub>	ppm	1.98	100.0%	2.67	October 2	22	-	-	2.09	October 3	-	-
NMHC	ppm	0.00	100.0%	0.00	ALL	ALL	-	-	0.00	ALL	-	-
WS	kph	2.5	97.0%	20.5	October 1	7	-	-	12.4	October 1	-	-
WD	degree	76 (ENE)	97.0%	-	-	-	-	-	-	-	-	-
RH	%	85	100.0%	96	VAR	VAR	-	-	95	October 23, 30	-	-
BP	inHg	27.67	100.0%	28.04	October 10	12	-	-	28.00	October 10	-	-
AmbTPX	°C	-0.2	99.7%	10.2	October 3, 3	13, 14	-	-	3.6	October 21	-	-
StnTPX	°C	21.0	100.0%	22.6	October 3	15	-	-	21.5	October 6	-	-



### Monthly Update

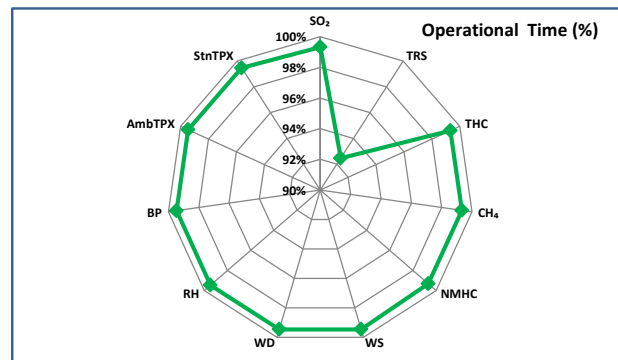
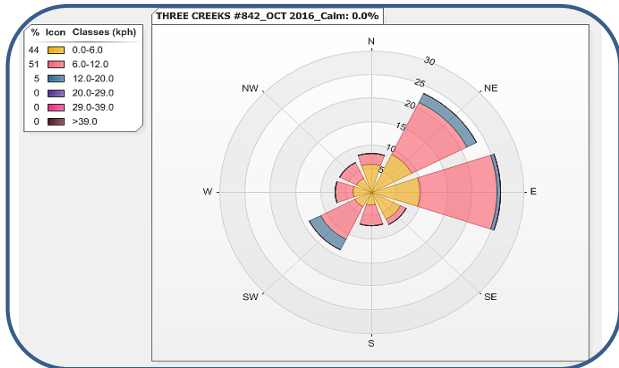
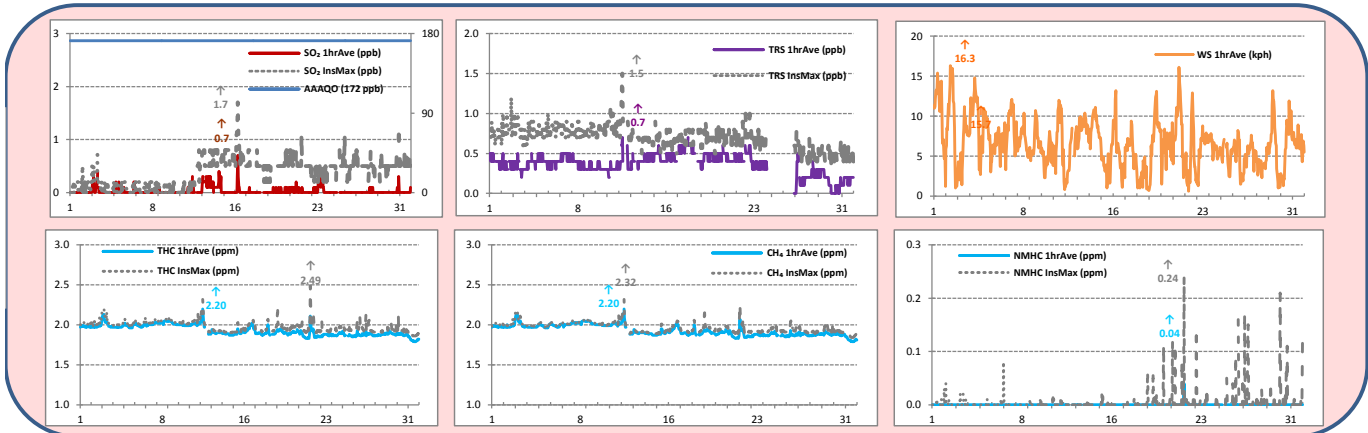
- \* The sampling, collection and reporting of air monitoring data was performed by Maxxam Analytics and complies with the quality assurance practices outlined in the Alberta Air Monitoring Directive (Alberta Environment and Parks, 2016).
- \* All data collected this month were within the objectives 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:** Twenty-two hours of data, collected between October 25 and October 26, were invalidated due to an ice build-up that affected the functionality of the wind system.
- **Ambient Temperature:** Two hours of downtime were recorded on October 13 due to an interference with the sensor while the wind system was being calibrated.

October 2016 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 <sub>2</sub>	ppb	0.0	99.3%	0.7	October 16	6	172	0	0.2	October 13	48	0
TRS	ppb	0.4	92.5%	0.7	October 12, 17	7, 21	-	-	0.6	October 17	-	-
THC	ppm	1.93	99.3%	2.20	October 12	5	-	-	2.03	October 3, 8	-	-
CH <sub>4</sub>	ppm	1.93	99.3%	2.20	October 12	5	-	-	2.03	October 3, 8	-	-
NMHC	ppm	0.00	99.3%	0.04	October 22	1	-	-	0.00	ALL	-	-
WS	kph	1.6	99.5%	16.3	October 2	9	-	-	10.1	October 1	-	-
WD	degree	77 (ENE)	99.5%	-	-	-	-	-	-	-	-	-
RH	%	88	99.5%	98	VAR	VAR	-	-	97	October 23, 30	-	-
BP	inHg	27.82	99.5%	28.18	October 6, 6	11, 12	-	-	28.14	October 6, 10	-	-
AmbTPX	°C	-0.5	99.5%	7.8	October 21	15	-	-	2.9	October 20, 21	-	-
StnTPX	°C	21.5	99.5%	25.2	October 12	11	-	-	22.3	October 20, 21	-	-



Monthly Update

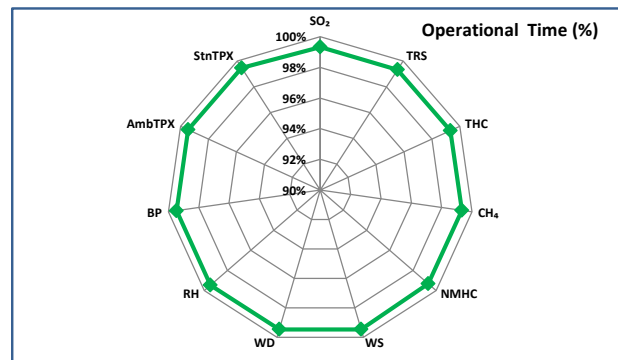
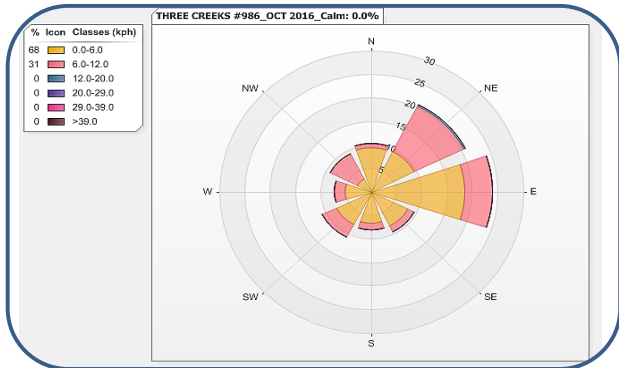
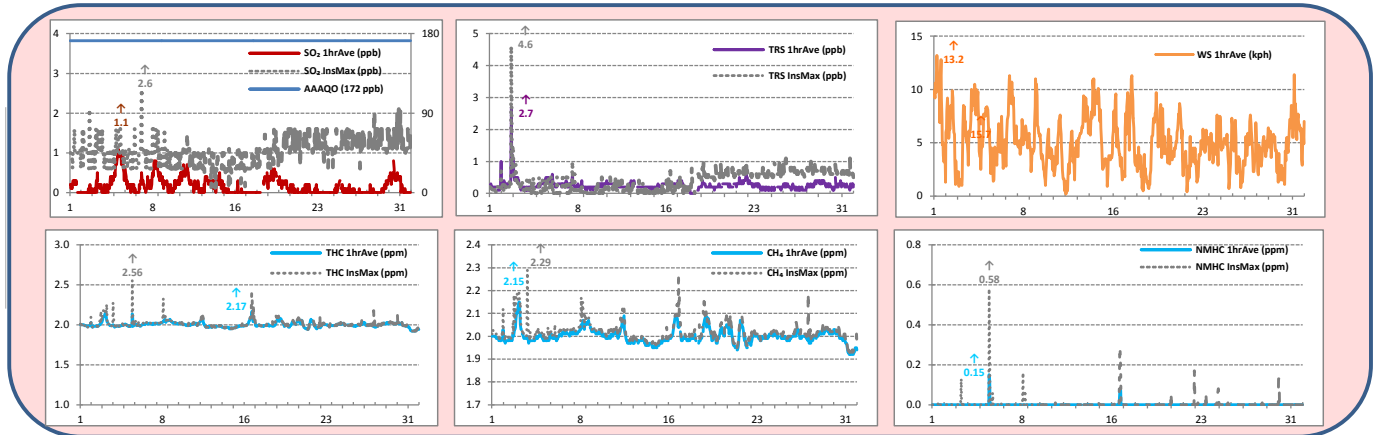
- \* The sampling, collection and reporting of air monitoring data was performed by Maxxam Analytics and complies with the quality assurance practices outlined in the Alberta Air Monitoring Directive (Alberta Environment and Parks, 2016).
- \* All data collected this month were within the objectives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

- For all parameters, four hours of data are missing on October 25, from hours 07:00 to 10:00, due to a power failure. For gas parameters, data collected at hour 11:00 was also invalidated as the analyzers were in recovery mode.
- **TRS:** A total of fifty-six hours of downtime was recorded this month. Three hours were attributed to a calibrator cross-check performed on October 12. The TRS converter malfunctioned following the power failure that occurred on October 25. Maintenance was completed on October 26 and data was invalidated back to the last valid daily span check obtained on October 24. A repeat span check was completed on October 27, to assess analyzer performance. Forty-nine hours of downtime were recorded due to this event.

October 2016 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 <sub>2</sub>	ppb	0.2	99.3%	1.1	October 5	9	172	0	0.7	October 5	48	0
TRS	ppb	0.3	99.3%	2.7	October 2	20	-	-	0.5	October 2	-	-
THC	ppm	2.00	99.3%	2.17	October 16	17	-	-	2.05	October 3, 16	-	-
CH <sub>4</sub>	ppm	2.00	99.3%	2.15	October 3, 3	7, 8	-	-	2.05	October 3	-	-
NMHC	ppm	0.00	99.3%	0.15	October 5	18	-	-	0.01	October 5, 16	-	-
WS	kph	1.5	99.5%	13.2	October 1	6	-	-	8.3	October 14	-	-
WD	degree	66 (ENE)	99.5%	-	-	-	-	-	-	-	-	-
RH	%	87	99.5%	98	VAR	VAR	-	-	97	October 23	-	-
BP	inHg	27.81	99.5%	28.17	October 6	11	-	-	28.14	October 6	-	-
AmbTPX	°C	-0.4	99.5%	8.3	October 21	15	-	-	3.0	October 20, 21	-	-
StnTPX	°C	21.6	99.5%	23.1	October 25	15	-	-	22.3	October 27	-	-



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

- For all parameters, four hours of data are missing on October 25, from hours 07:00 to 10:00, due to a power failure. For gas parameters, data collected at hour 11:00 was also invalidated as the analyzers were in recovery mode.
- One canister event was recorded this month on October 5, at hour 18:40, at a concentration was 0.43 ppm.