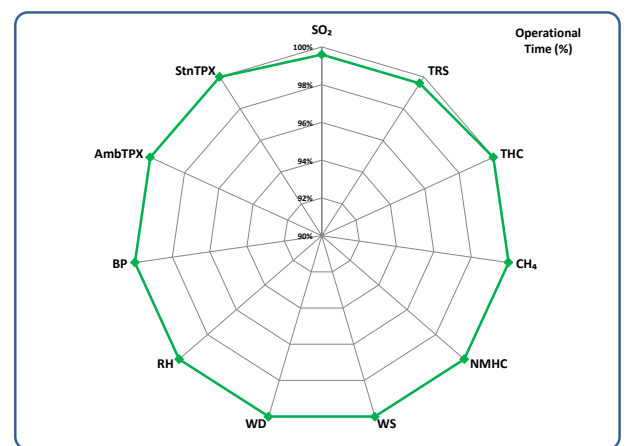
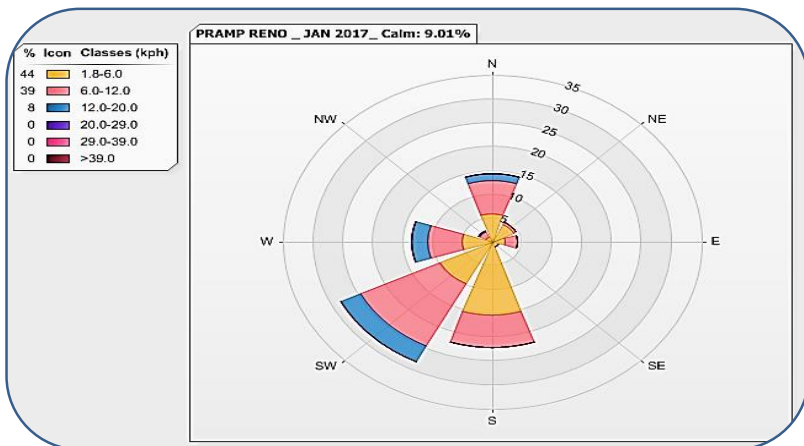
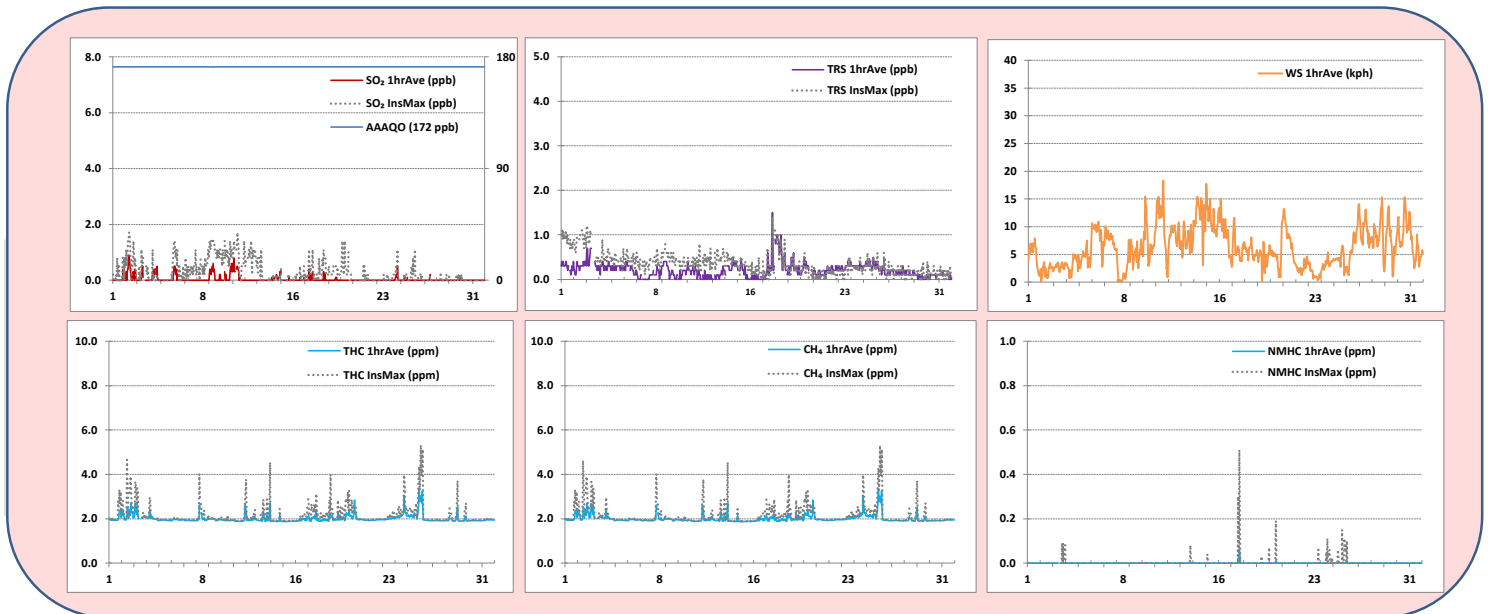


Pollutants		Monthly Records		1-Hour Records					24-Hour Records			
Name	Unit	Avg. Conc.	Uptime	Maximum			AAAQO Objective	Exceed. Hours	Maximum		AAAQO Objective	Exceed. Days
				Conc.	Date	Hour			Conc.	Date		
SO <sub>2</sub>	ppb	0.0	99.6%	0.9	January 2	8	172	0	0.3	January 2	48	0
TRS	ppb	0.2	99.6%	1.5	January 17	18	-	-	0.6	January 18	-	-
THC	ppm	2.01	100.0%	3.35	January 25	22	-	-	2.24	January 25	-	-
CH <sub>4</sub>	ppm	2.01	100.0%	3.35	January 25	22	-	-	2.24	January 25	-	-
NMHC	ppm	0.00	100.0%	0.06	January 17	15	-	-	0.01	January 17	-	-
WS	kph	2.8	100.0%	18.3	January 11	14	-	-	11.8	January 14	-	-
WD	degree	233 (SW)	100.0%	-	-	-	-	-	-	-	-	-
RH	%	74	100.0%	95	January 19, 20	VAR VAR	-	-	90	January 20	-	-
BP	inHg	27.65	100.0%	28.21	January 7	11	-	-	28.14	January 7	-	-
AmbTPX	°C	-8.7	100.0%	8.6	January 28	15	-	-	3.7	January 28	-	-
StnTPX	°C	21.1	100.0%	22.5	January 5	8	-	-	22.0	January 23	-	-



**Monthly Update**

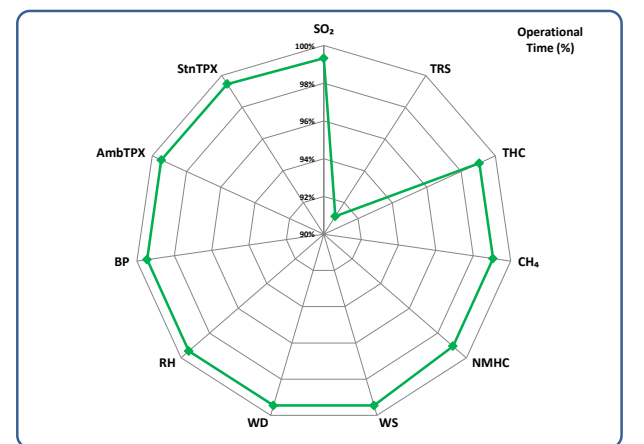
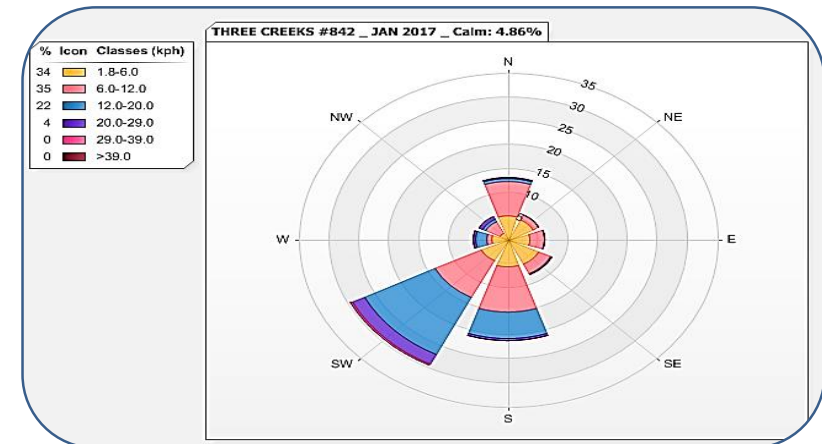
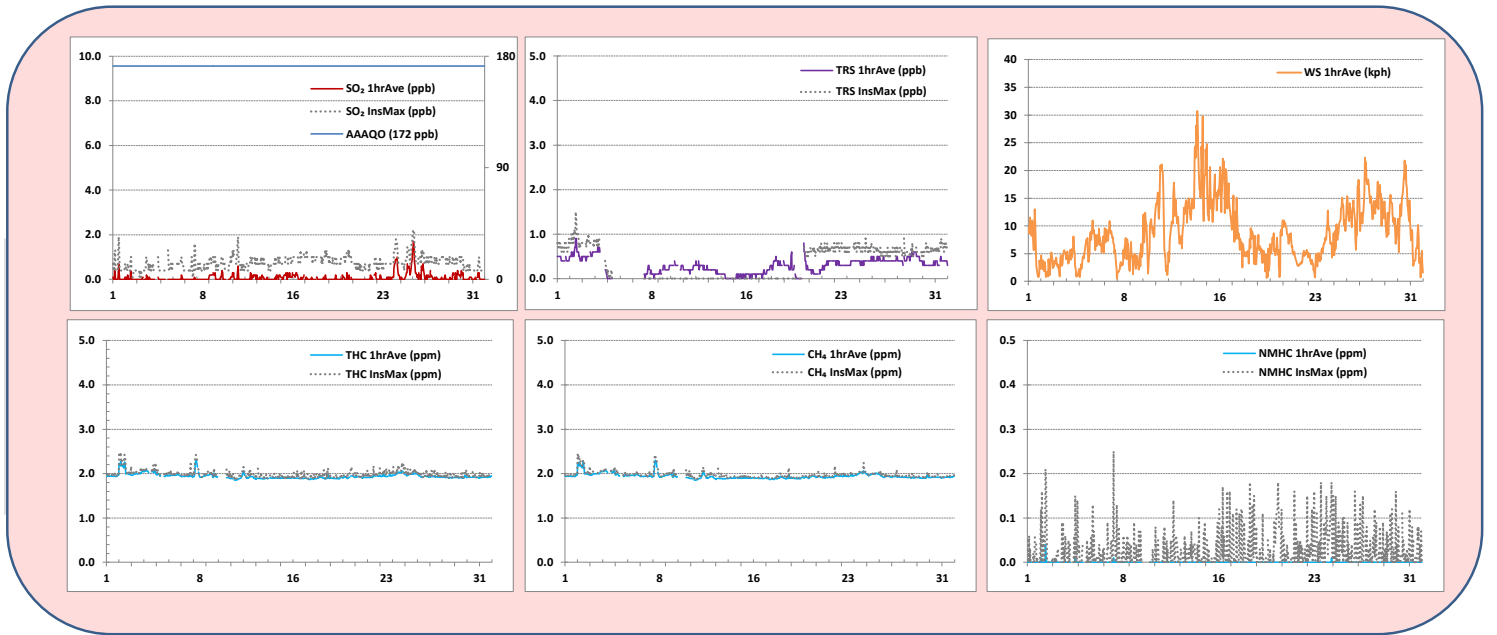
- \* The sampling, collection and reporting of air monitoring data was performed by Maxxam Analytics and complies with the quality assurance practices outlined in the Alberta Air Monitoring Directive (Alberta Environment and Parks, 2016).
- \* All data collected this month were within the objectives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

- **SO<sub>2</sub>:** Three hours of downtime were recorded this month. The analyzer exhibited a biased high span response on January 17, prompting additional quality checks.
- **TRS:** Three hours of downtime were recorded this month. The analyzer exhibited a biased low response on January 2 and a biased high span response on January 19, prompting additional quality checks.

January 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 <sub>2</sub>	ppb	0.1	99.3%	1.7	January 26	1	172	0	0.5	January 26	48	0
TRS	ppb	0.3	91.1%	0.9	January 2, 2	11, 12	-	-	0.6	January 2	-	-
THC	ppm	1.94	99.1%	2.30	January 8	4	-	-	2.10	January 2	-	-
CH <sub>4</sub>	ppm	1.94	99.1%	2.30	January 8	4	-	-	2.10	January 2	-	-
NMHC	ppm	0.00	99.1%	0.04	January 2	10	-	-	0.00	ALL	-	-
WS	kph	4.3	99.5%	30.7	January 14	6	-	-	20.3	January 14	-	-
WD	degree	218 (SW)	99.5%	-	-	-	-	-	-	-	-	-
RH	%	78	99.5%	97	January 20	2	-	-	92	January 4	-	-
BP	inHg	27.78	99.5%	28.36	VAR	VAR	-	-	28.30	January 7	-	-
AmbTPX	°C	-8.6	99.5%	8.8	January 18	13	-	-	4.0	January 28	-	-
StnTPX	°C	21.2	99.5%	22.9	January 7	16	-	-	22.3	January 14	-	-



Monthly Update

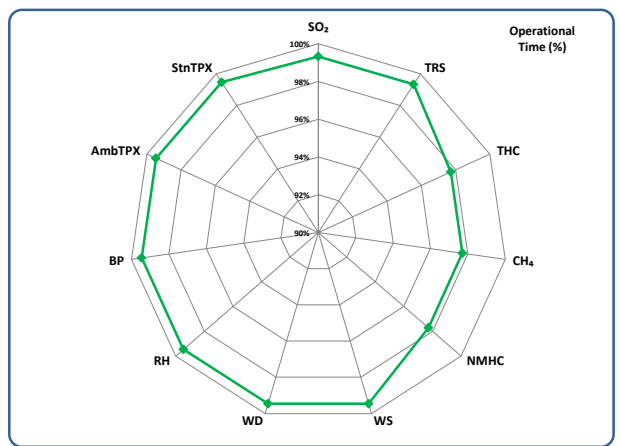
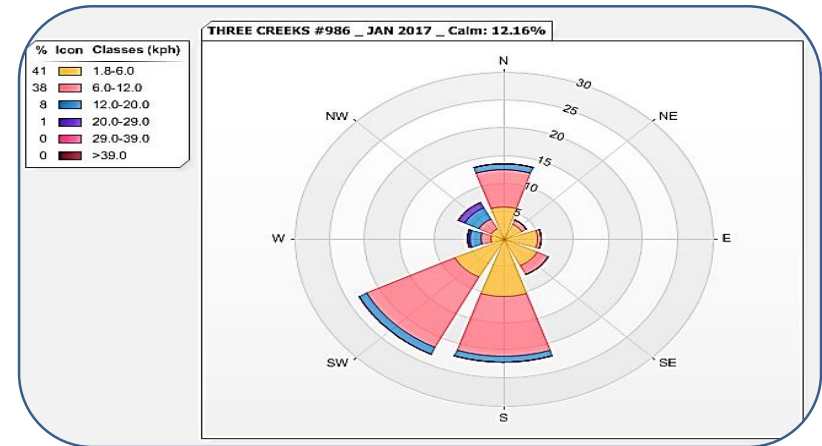
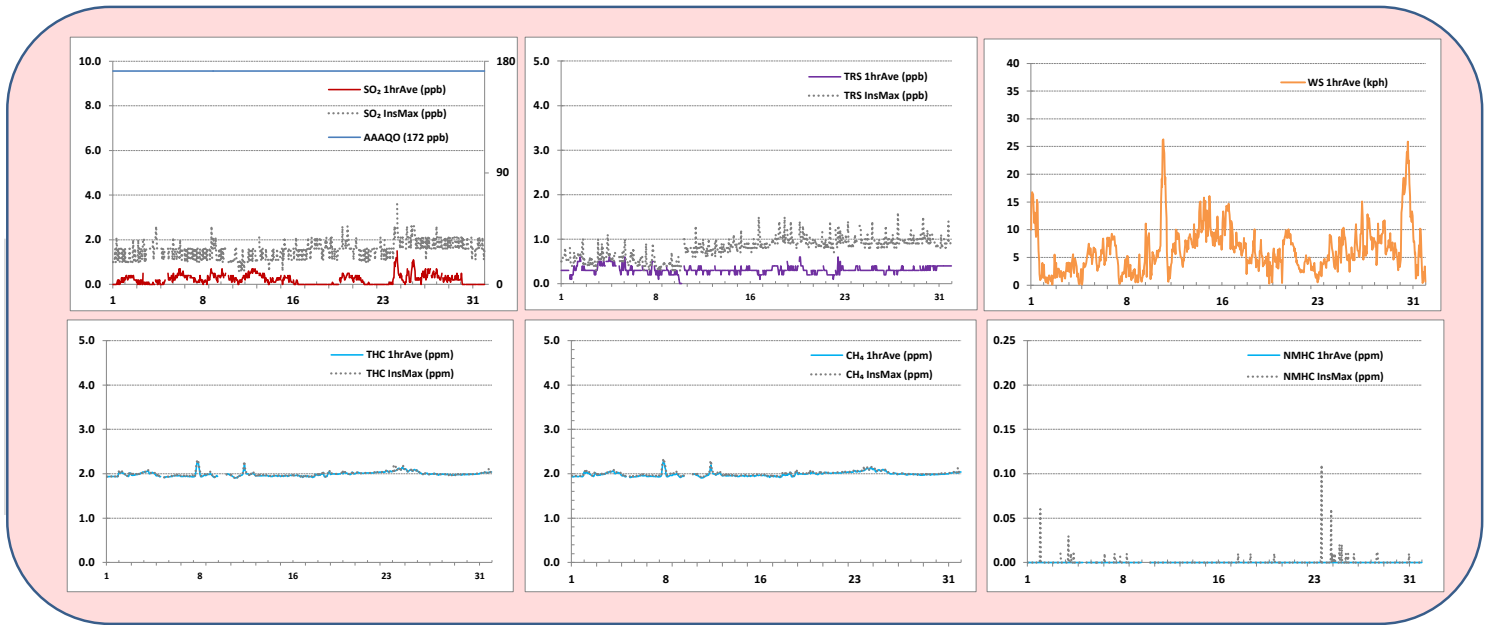
- \* The sampling, collection and reporting of air monitoring data was performed by Maxxam Analytics and complies with the quality assurance practices outlined in the Alberta Air Monitoring Directive (Alberta Environment and Parks, 2016).
- \* All data collected this month were within the objectives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

- **Power Failure:** Four hours of downtime were recorded for all parameters on January 5 due to a power failure. One more hour of downtime was incurred for SO<sub>2</sub> and Station Temperature, and two more hours for THC/CH<sub>4</sub>/NMHC, as the equipments were recovering from the power failure.
- **TRS:** A total of sixty-six hours of downtime were recorded this month. Two hours were incurred during the scheduled maintenance conducted during the routine monthly visit on January 4. Sixty hours were attributed to a converter failure that occurred after the power failure on January 5; and the subsequent quality assurance activities performed to address the issue. Four more hours were recorded due to additional quality checks performed to address zero and span drift occurrences.

January 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 <sub>2</sub>	ppb	0.2	99.3%	1.5	January 24	16	172	0	0.5	January 12, 24	48	0
TRS	ppb	0.3	99.3%	0.6	VAR	VAR	-	-	0.5	January 4	-	-
THC	ppm	1.99	97.7%	2.28	January 8	7	-	-	2.10	January 24	-	-
CH <sub>4</sub>	ppm	1.99	97.7%	2.28	January 8	7	-	-	2.10	January 24	-	-
NMHC	ppm	0.00	97.7%	0.00	ALL	ALL	-	-	0.00	ALL	-	-
WS	kph	2.3	99.5%	26.3	January 11	9	-	-	15.4	January 30	-	-
WD	degree	237 (SW)	99.5%	-	-	-	-	-	-	-	-	-
RH	%	75	99.5%	96	January 19, 20	VAR, VAR	-	-	91	January 19	-	-
BP	inHg	27.76	99.5%	28.36	January 7, 7	10, 11	-	-	28.30	January 7	-	-
AmbTPX	°C	-9.1	99.5%	8.6	January 18	14	-	-	4.8	January 28	-	-
StnTPX	°C	21.6	99.5%	23.1	January 16	7	-	-	22.1	January 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**

- **Power Failure:** Four hours of downtime were recorded for all parameters on January 5 due to a power failure. One more hour of downtime was incurred for SO<sub>2</sub>, TRS and Station temperature, and two more hours for THC/CH<sub>4</sub>/NMHC, as the equipments were recovering from the power failure.
- **THC/CH<sub>4</sub>/NMHC:** Eleven hours of downtime were recorded between January 9 and January 10 due to low gas pressures. The fuel and span gas cylinders were replaced on January 10, during the monthly calibration.