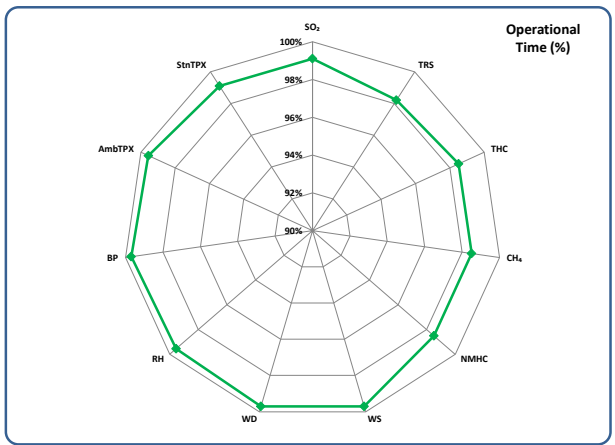
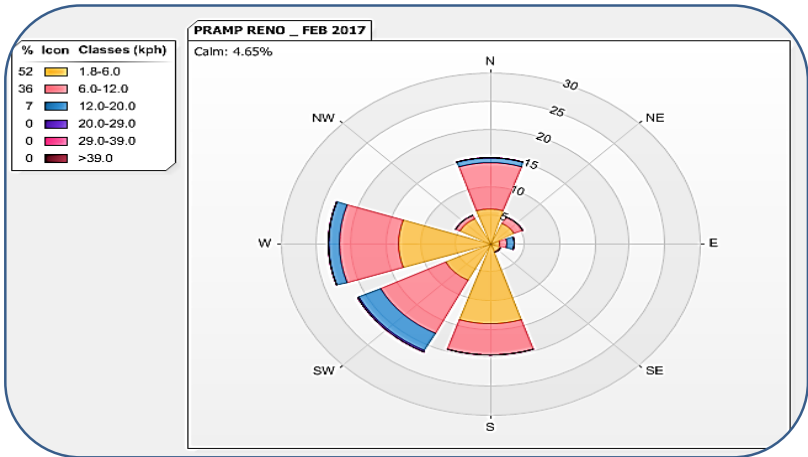
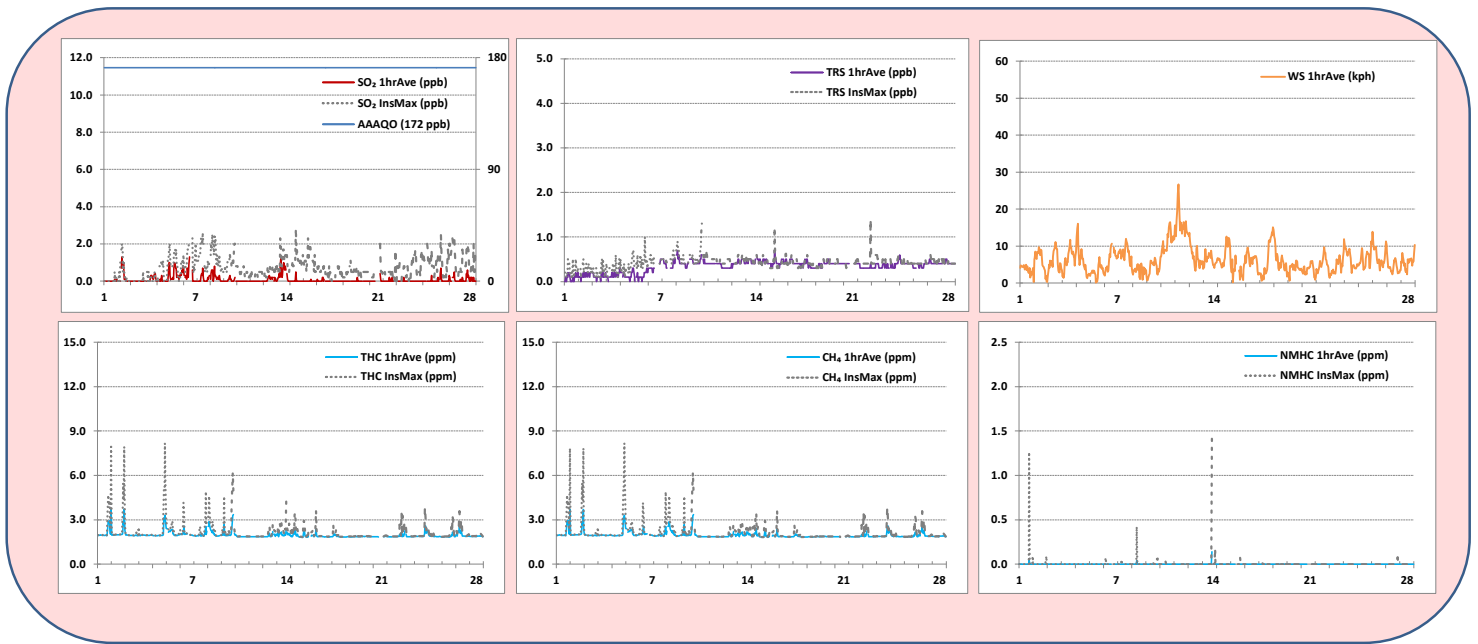


February 2017 Monthly Report Summary

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	0.1	99.1%	1.3	February 2, 7	8, 10	172	0	0.4	February 6, 14	48	0
TRS	ppb	0.3	98.2%	0.7	February 9, 16	2, 1	-	-	0.5	February 14	-	-
THC	ppm	1.97	98.5%	3.71	February 2	22	-	-	2.16	February 5, 10	-	-
CH ₄	ppm	1.97	98.5%	3.70	February 2	22	-	-	2.16	February 5, 10	-	-
NMHC	ppm	0.00	98.5%	0.14	February 14	16	-	-	0.01	February 14	-	-
WS	kph	2.7	99.7%	26.7	February 12	5	-	-	16.3	February 12	-	-
WD	degree	249 (WSW)	99.7%	-	-	-	-	-	-	-	-	-
RH	%	70	99.6%	95	February 17	6	-	-	89	February 17	-	-
BP	mbar	934	99.7%	957	February 1	VAR	-	-	956	February 1	-	-
AmbTPX	°C	-9.0	99.6%	11.1	February 15	15	-	-	5.8	February 15	-	-
StnTPX	°C	21.7	99.1%	23.4	February 23	20	-	-	22.5	February 23	-	-



Monthly Update

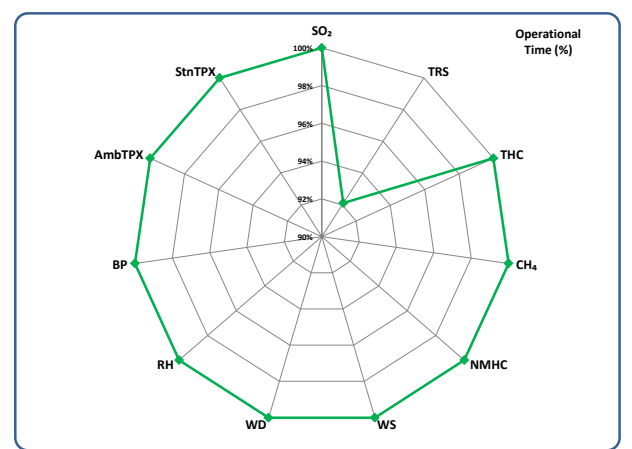
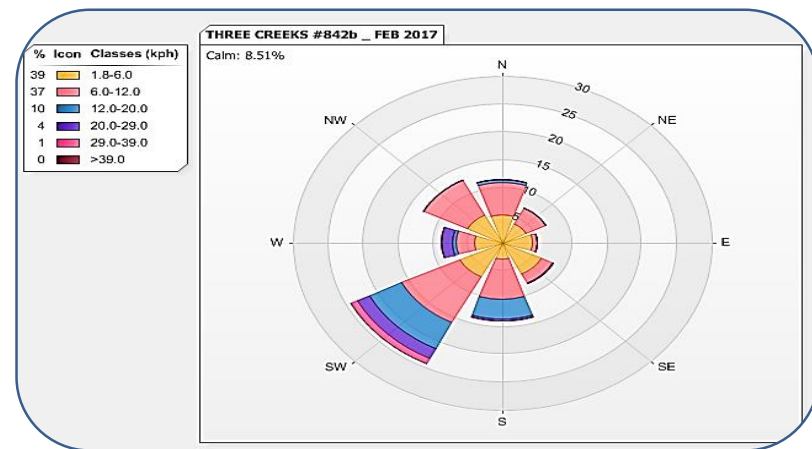
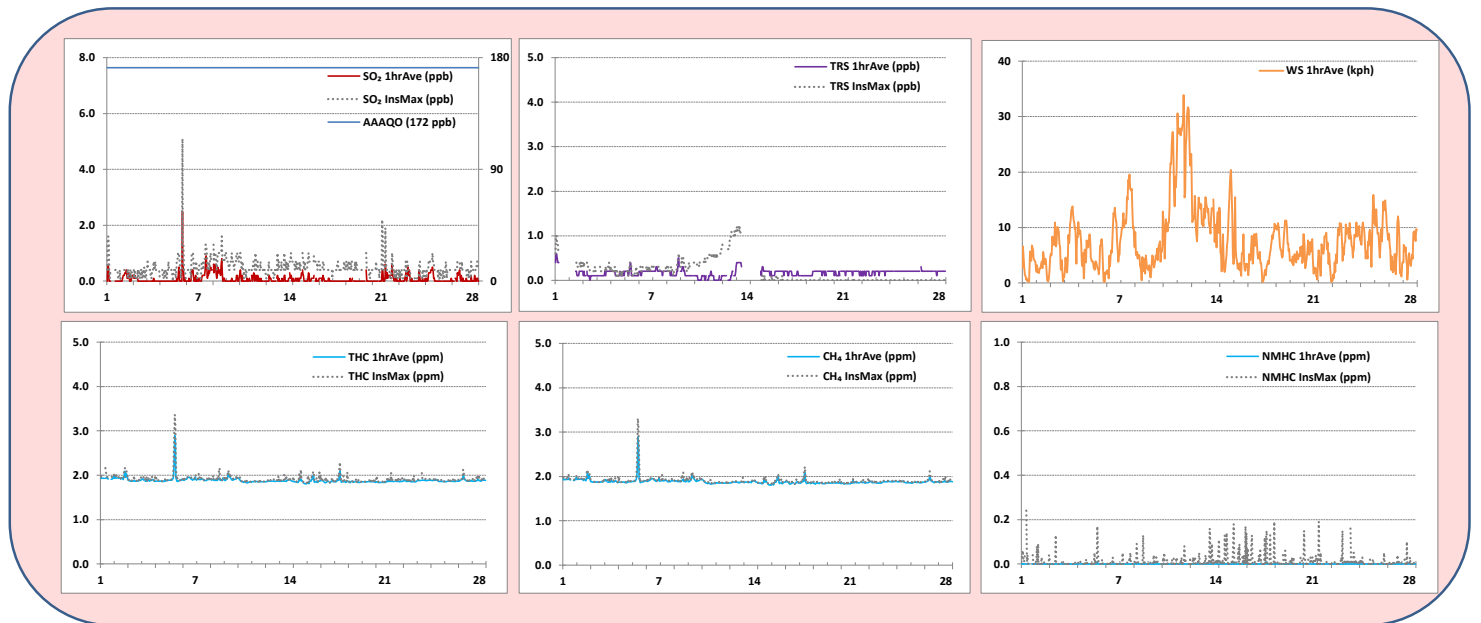
* The sampling, collection and reporting of air monitoring data was performed by Maxxam Analytics and complies with the quality assurance practices outlined in the Alberta Air Monitoring Directive (Alberta Environment and Parks, 2016).
 * All data collected this month were within the objectives outlined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

An internal station audit was conducted on February 7. There were no documented findings and the audit report is included in the monthly report.
Gas Parameters: Six hours of data collected from hour 12:00 to hour 21:00 on February 21 were invalidated due to lower than optimum station temperature. This was a result of the trailer door not being properly secured.
Meteorological Parameters: Channels were placed in "Maintenance" mode for two to three hours on February 7 while additional power supply features were being installed in the trailer.
TRS: The analyzer was upgraded to a trace level model this month. Six hours of downtime were recorded due to the additional quality checks surrounding this event.
THC/CH₄/NMHC: The channels were placed in "Maintenance" mode for two hours during the wind system upgrade on February 16. A zero/span check was triggered after the upgrade. Four hours of downtime were recorded due to this event.

February 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	0.1	100.0%	2.5	February 6	16	172	0	0.3	February 8, 9	48	0
TRS	ppb	0.2	92.1%	0.6	February 1, 1	1, 2	-	-	0.5	February 1	-	-
THC	ppm	1.88	100.0%	2.89	February 6	9	-	-	2.00	February 6	-	-
CH ₄	ppm	1.88	100.0%	2.89	February 6	9	-	-	2.00	February 6	-	-
NMHC	ppm	0.00	100.0%	0.01	February 6, 18	9, 8	-	-	0.00	ALL	-	-
WS	kph	3.4	100.0%	33.9	February 12	10	-	-	26.6	February 12	-	-
WD	degree	234 (SW)	100.0%	-	-	-	-	-	-	-	-	-
RH	%	76	100.0%	97	February 17, 18	VAR, 2	-	-	96	February 17	-	-
BP	mbar	938	100.0%	962	February 1	VAR	-	-	961	February 1	-	-
AmbTPX	°C	-8.9	100.0%	9.7	February 15	16	-	-	5.8	February 15	-	-
StnTPX	°C	21.3	100.0%	25.7	February 1	10	-	-	22.7	February 1	-	-



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

An internal station audit was conducted on February 1. There were no documented findings and the audit report is included in the monthly report.

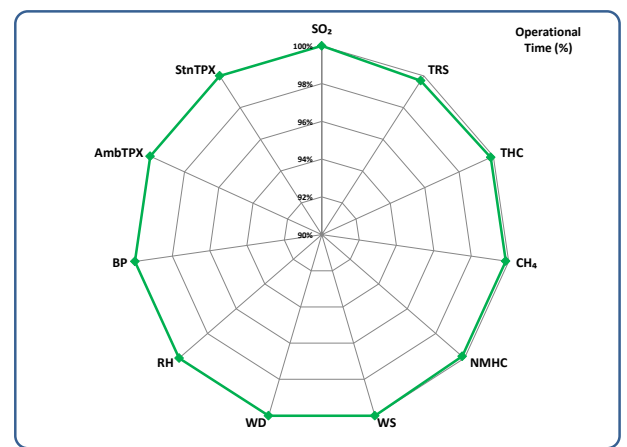
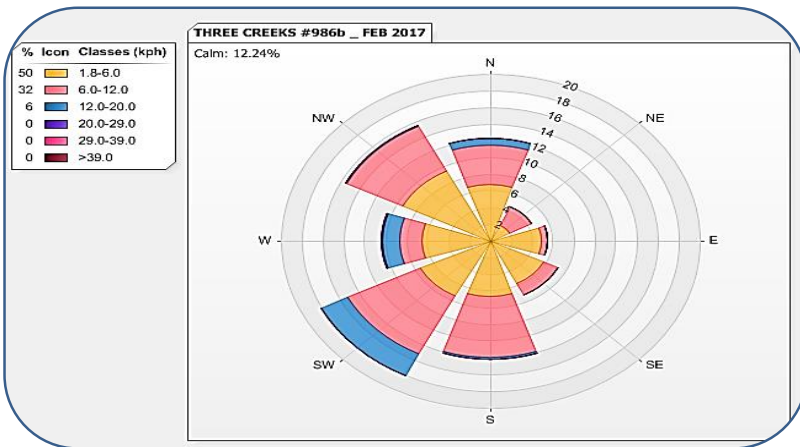
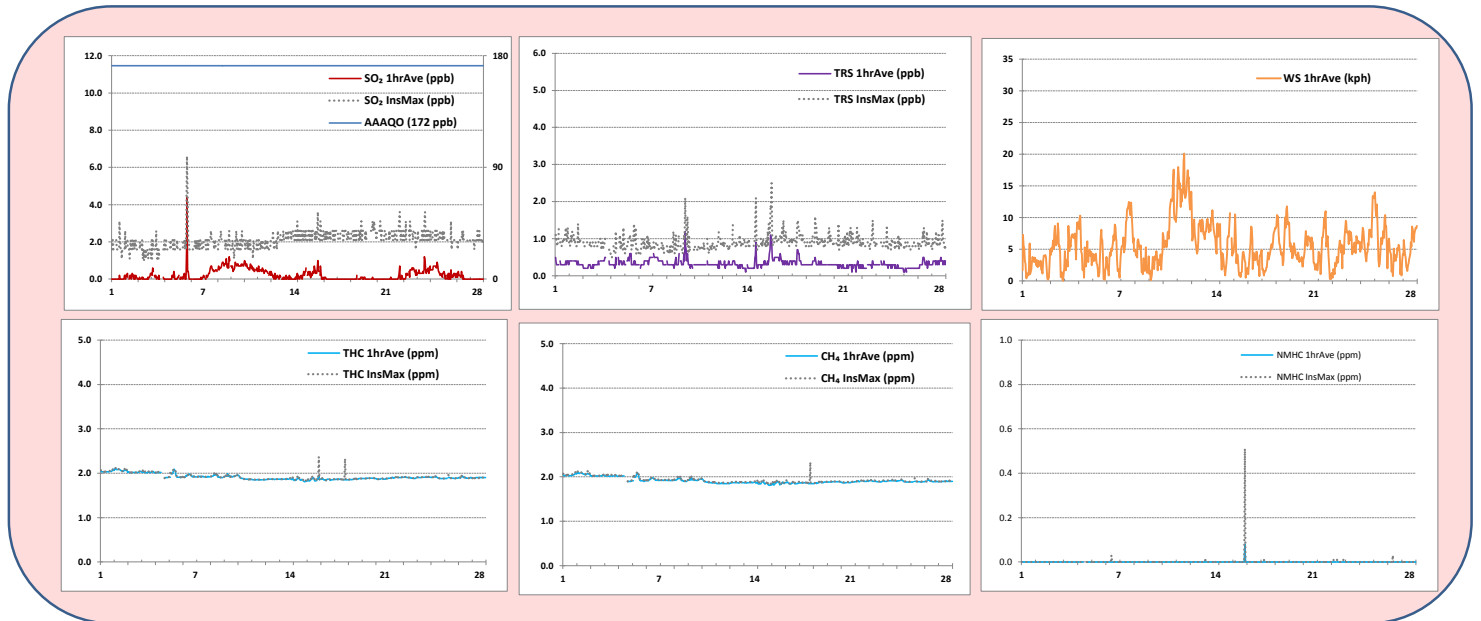
TRS:

- The analyzer was upgraded to a trace level model on February 1.
- In total, fifty-three hours of downtime were recorded this month. Nineteen hours were attributed to the analyzer and converter upgrade. Thirty-four hours were recorded, between February 13 and February 15, due to additional quality checks and maintenance activities associated with a biased high span response.

Wind System: The wind system, RM Young 05305VK (S/n: 92411), was calibrated on February 14.

February 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%	4.4	February 6	16	172	0	0.8	February 9	48	0
TRS	ppb	0.3	99.7%	1.2	February 10	7	-	-	0.5	February 16	-	-
THC	ppm	1.91	99.9%	2.11	February 2	2	-	-	2.07	February 2	-	-
CH ₄	ppm	1.91	99.9%	2.11	February 2	2	-	-	2.07	February 2	-	-
NMHC	ppm	0.00	99.9%	0.08	February 16	20	-	-	0.00	ALL	-	-
WS	kph	1.9	100.0%	20.1	February 12	11	-	-	14.7	February 12	-	-
WD	degree	254 (WSW)	100.0%	-	-	-	-	-	-	-	-	-
RH	%	73	100.0%	98	February 17	VAR	-	-	96	February 17	-	-
BP	mbar	938	100.0%	961	February 1	VAR	-	-	960	February 1	-	-
AmbTPX	°C	-9.2	100.0%	9.6	February 15	16	-	-	5.1	February 14	-	-
StnTPX	°C	21.7	100.0%	23.0	February 16, 17	1, 4	-	-	22.1	February 11	-	-



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

An internal station audit was conducted on February 5. There were no documented findings and the audit report is included in the monthly report.

TRS: The as-found high point value obtained from the calibration on February 4 was 8.1% off the reference value. This was within the tolerance limits of +/-10%. However, as a precaution, an as-found response check was completed on February 5, using an alternate calibrator. The result was 1.2% off reference value. Two hours of downtime were recorded due to this additional quality check.

THC/CH₄/NMHC: One hour of downtime was recorded on February 22, at hour 13:00, as the analyzer was recovering from a brief power outage.

Wind System: The wind system was upgraded on February 15. The RM Young 05103VK (s/n: 43711) was removed following a successful shut-down calibration. Subsequently, an RM Young 05305VK (s/n: 129612) was installed and calibrated.