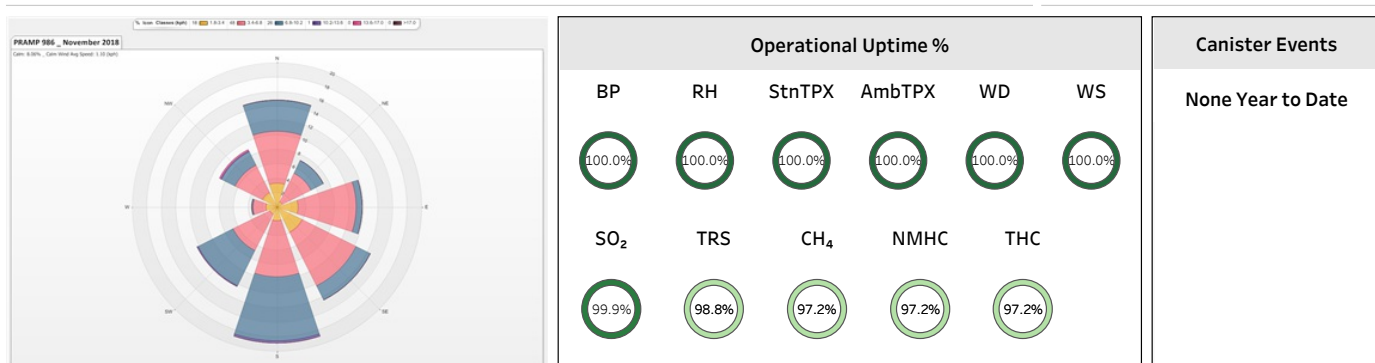


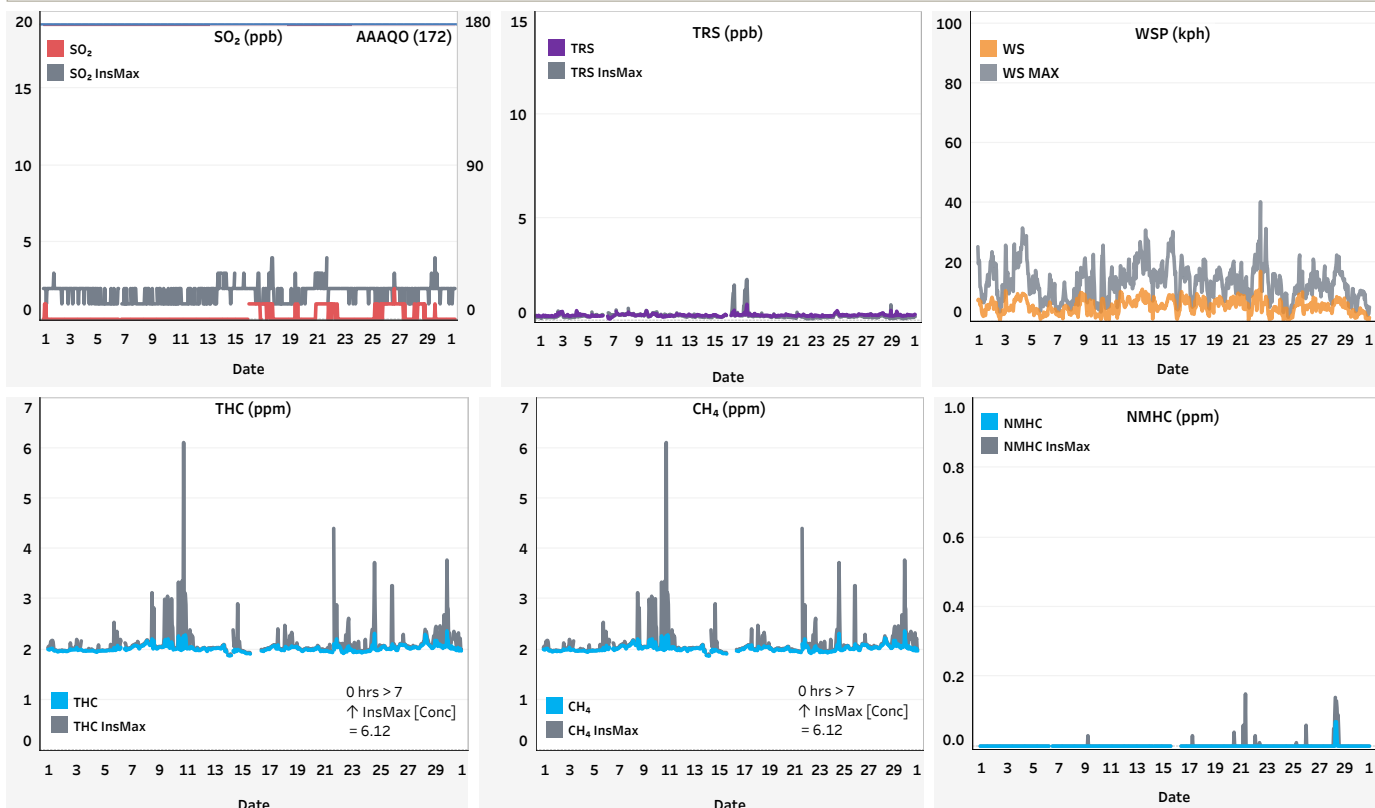
Peace River Area Monitoring Program Committee - 986b Station November 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2018).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

Station	Pollutant	Unit	AVG [Conc]	Uptime	Hourly Max [Conc]	Max Date	WS	WD	# Hrs >172 AAAQO	24-Hr Max [Conc]	24-Hr Avg Max Date	# Days >48 AAAQO
PRAMP - 986b	SO ₂	ppb	0	99.9%	2	Nov 26 Hr13	6.4	118 (ESE)	0	1	Nov 16	0
	TRS	ppb	0.29	98.8%	0.82	Nov 17 Hr16	4.7	170 (SSE)	-	0.36	Nov 17	-
	THC	ppm	2.02	97.2%	2.37	Nov 29 Hr22	1.7	318 (NW)	-	2.11	Nov 29	-
	CH ₄	ppm	2.02	97.2%	2.37	Nov 29 Hr22	1.7	318 (NW)	-	2.11	Nov 29	-
	NMHC	ppm	0.00	97.2%	0.07	Nov 28 Hr8	6.2	198 (SSW)	-	0.01	Nov 28	-
	WS	kph	1.0	100.0%	16.9	Nov 22 Hr15	16.9	311 (NW)	-	7.8	Nov 13	-
	WD	degree	165 (SSE)	100.0%	-	-	-	-	-	-	-	-
	RH	%	85	100.0%	100	Nov 1 Hr0	7.2	337 (NNW)	-	100	Nov 28	-
	BP	mbar	941	100.0%	962	Nov 16 Hr6	0.8	153 (SSE)	-	959	Nov 16	-
	AmbTPX	°C	-5.2	100.0%	6.3	Nov 21 Hr12	6.4	173 (S)	-	3.5	Nov 13	-
	StnTPX	°C	23.5	100.0%	38.7	Nov 13 Hr13	10.2	194 (SSW)	-	32.3	Nov 13	-



Operational Summary_ Gas Parameters: Daily zero-span check (IZS) interrupted by Windows update on Nov 14. Valid IZS was manually triggered later that day (-1 hr). **STNTPX:** Problems encountered with HVAC system during the month and was addressed by HVAC company on Dec 11. **TRS:** Uptime was 98.8% = 9 hrs of downtime. IZS interrupted by Windows update (-1 hr). Unstable station temperature compromised analyzer performance (-8 hrs). **THC/CH₄/NMHC:** Uptime was 97.2% = 20 hrs of downtime. IZS interrupted by Windows update (-1 hr). Data completeness criteria not met on Nov 14 @ 08:00 (-1 hr). Unstable station temperature compromised analyzer performance (-18 hrs). **Canister:** No events recorded this month.

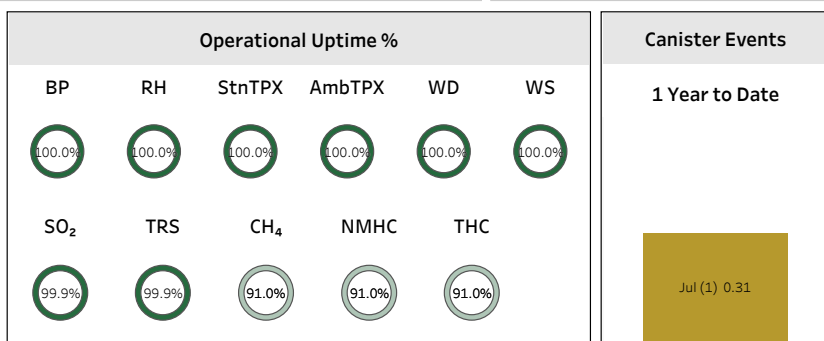
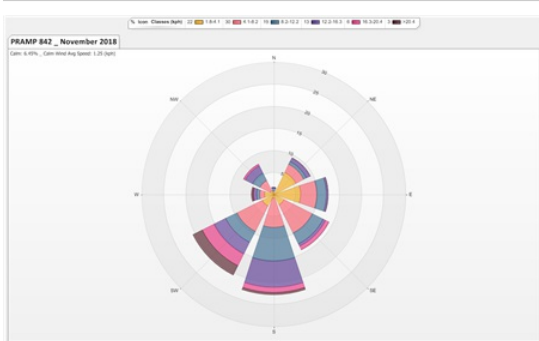


* Instantaneous hourly maximum data was not baseline-corrected and is considered raw data.

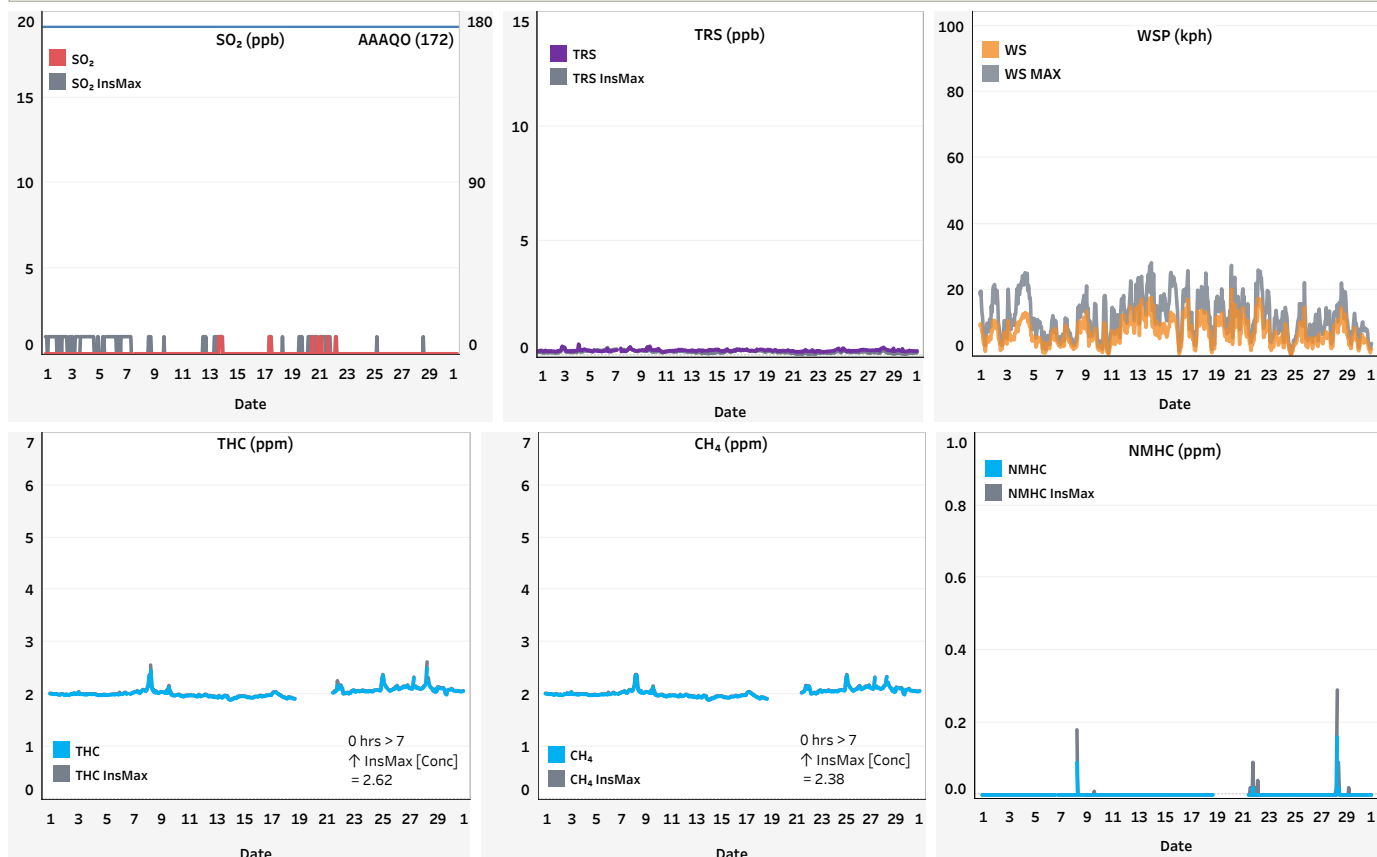
Peace River Area Monitoring Program Committee - 842b Station November 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2018).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

Station	Pollutant	Unit	AVG [Conc]	Uptime	Hourly Max [Conc]	Max Date	WS	WD	# Hrs >172 AAAQO	24-Hr Max [Conc]	24-Hr Avg Max Date	# Days >48 AAAQO
PRAMP - 842b	SO ₂	ppb	0	99.9%	1	Nov 13 Hr15	12.1	185 (S)	0	0	Nov 1	0
	TRS	ppb	0.22	99.9%	0.50	Nov 4 Hr5	11.4	37 (NE)	-	0.27	Nov 4	-
	THC	ppm	2.03	91.0%	2.50	Nov 28 Hr8	11.0	209 (SSW)	-	2.15	Nov 28	-
	CH ₄	ppm	2.03	91.0%	2.37	Nov 8 Hr7	3.0	77 (ENE)	-	2.14	Nov 25	-
	NMHC	ppm	0.00	91.0%	0.16	Nov 28 Hr8	11.0	209 (SSW)	-	0.01	Nov 28	-
	WS	kph	2.4	100.0%	20.3	Nov 20 Hr6	20.3	207 (SSW)	-	12.3	Nov 13	-
	WD	degree	179 (S)	100.0%	-	-	-	-	-	-	-	-
	RH	%	83	100.0%	97	Nov 28 Hr6	9.3	184 (S)	-	93	Nov 29	-
	BP	mbar	941	100.0%	963	Nov 11 Hr11	5.3	170 (SSE)	-	961	Nov 16	-
	AmbTPX	°C	-5.4	100.0%	5.6	Nov 21 Hr14	6.1	164 (SSE)	-	2.7	Nov 13	-
	StnTPX	°C	22.5	100.0%	23.7	Nov 8 Hr6	2.5	73 (ENE)	-	23.2	Nov 16	-



Operational Summary _Gas Parameters: Daily zero-span check (IZS) failed to execute on Nov 24. Valid IZS was manually triggered later that day (-1 hr). **THC/CH₄/NMHC:** Uptime was 91.0% = 65 hrs of downtime. Shut-down calibration on Nov 20 did not meet AMD requirements due to poor injections. Analyzer was replaced and data was discarded back to the point of failed performance on Nov 18 21 @ 20:00 (-64 hrs). IZS failed to execute on Nov 24 (-1 hr). **Canister:** No events recorded this month.



* Instantaneous hourly maximum data was not baseline-corrected and is considered raw data.

Peace River Area Monitoring Program Committee - Reno Station November 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2018).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

Station	Pollutant	Unit	AVG [Conc]	Uptime	Hourly Max [Conc]	Max Date	WS	WD	# Hrs >172 AAAQO	24-Hr Max [Conc]	24-Hr Avg Max Date	# Days >48 AAAQO
PRAMP - Reno	SO ₂	ppb	0	100.0%	1	Nov 8 Hr8	1.6	202 (SSW)	0	0	Nov 1	0
	TRS	ppb	0.37	100.0%	0.71	Nov 4 Hr7	12.3	22 (NNE)	-	0.44	Nov 7	-
	THC	ppm	2.08	100.0%	3.58	Nov 8 Hr4	1.4	193 (S)	-	2.42	Nov 13	-
	CH ₄	ppm	2.08	100.0%	3.58	Nov 8 Hr4	1.4	193 (S)	-	2.42	Nov 13	-
	NMHC	ppm	0.00	100.0%	0.04	Nov 13 Hr2	3.7	195 (SSW)	-	0.00	Nov 1	-
	WS	kph	1.0	100.0%	14.9	Nov 15 Hr19	14.9	357 (N)	-	10.1	Nov 4	-
	WD	degree	201 (SSW)	100.0%	-	-	-	-	-	-	-	-
	RH	%	79	100.0%	94	Nov 3 Hr4	4.1	322 (NW)	-	91	Nov 29	-
	BP	mbar	937	100.0%	958	Nov 11 Hr11	1.8	32 (NNE)	-	956	Nov 16	-
	AmbTPX	°C	-5.2	100.0%	5.7	Nov 13 Hr21	12.0	241 (WSW)	-	1.0	Nov 13	-
	StnTPX	°C	22.6	100.0%	24.7	Nov 8 Hr9	1.7	209 (SSW)	-	23.5	Nov 19	-

