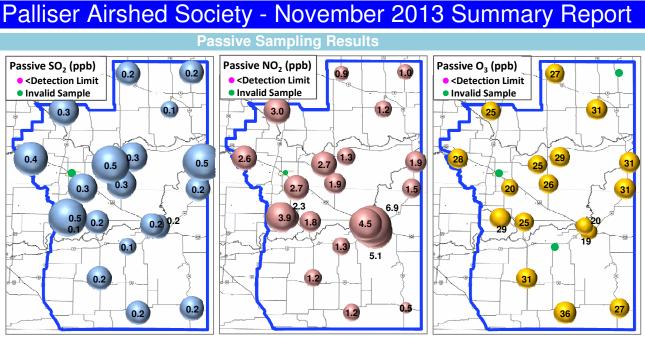
Palliser Airshed Society - November 2013 Summary Report

Continuous Sam						mpling Results - Crescent				Heights Station			
	Pollu	Pollutants Month Records				24-Hour Records				1-Hour Records			
	Name	Conc	Avg.	Uptime	Maxi	mum	AAAQO	Exceed		laximum	AAAQO	Exceed	
		Unit	Conc.		Conc	Time	Objective	No.	Conc	Time	Objective	No.	
	SO ₂	ppb	0.3	96.7%	1.7	Nov-20	48	0	5.6	Nov-20 14:00	172	0	
	NO	ppb	4.2	96.7%	13.4	Nov-30	-	-	46.4	Nov-23 3:00	-	-	
		ppb	10.2	96.7%	18.8	Nov-27	-	-	30	Nov-20 23:00	159	0	
	NO _X	ppb	14.5 17	96.7%	31.3	Nov-27 Nov-12	-	-	71.7 36	Nov-23 3:00	-	-	
	O₃ CO	ppb ppm	0.2	95.8% 96.7%	28 0.3	Nov-12 Nov-27	-	-	36 0.6	Nov-01 15:00 Nov-26 10:00	82 13	0 0	
	THC	ppm	2.4	96.7%	2.7	Nov-30	_	_	3.2	Nov-30 6:00	-	-	
	PM _{2.5}	μg/m ³	6	74.4%	17	Nov-27	30	0	139	Nov-22 0:00	-	-	
Very High Risk (>10)									Air Quality Health Index (AQHI)				
	Higl	h Risk	(7-10)										- 10 - 7
	Mode	rate Risk	(4-6)										- 4
	Lov	v Risk	(1-3)				v——	┻╌╻╴╖	n	╶╻╌┦╌┚╿╌┛╽		╓╨──	- 1
				1	•	8	· ·	15		22		29	- 1
	8 SO ₂ (ppb)					0 O₃ (ppt	o)			40 Ext. Temp. (c)		
6													
4					40 40 0 May Mar								
2					2								
0 - the man of the hand													
80 NO (ррb)			1.	1.2 120 Rel. Humidity (%)									
60			- 0.										
40			0.										
				0.3 Werthe werth									
0 Bills Lide And River Lided Bills			4.	0 0 4.0 1,200 Surf. Rad. (W/m ²)									
45				3.0 00 900 2.0 mm/h minum/m/m/ 600									
				1.0									
	120 NO _x (ppb)		0.0	$\begin{array}{c} 0.0 \\ 80 \\ \hline PM_{2.5} (ug/m3) \\ \hline 139 \\ \end{array}$									
	90 -	NO ^x (ppp)		- 60		ug/m3)			Wind Spd. (k 30	m/nr)		
	60 -				40)				20	1		
					,	Manufal	MIL	MV.		AMAMAT	Window		
1 8 15 22 29 Instrument Uptime (%)						1	8 15	22	29		¹⁵ 22 d Rose (k		
				50 WD	D2	0				5%			
75%					N				1. 1. 1.	0% 5%			
			WS ET GR RF	50% 25% 0% PM2.5	Тнс	NO2 NO + O3 + CO	х	West	1	0% 5% 0% 5% 0% South	= 3 = 2 = 1 = 5	= 40 0 - 40 0 - 30 0 - 20 - 10 - 5	



Monthly Update

- * All data has been slope, intercept, and baseline corrected. Data may change after validation process.
- * The measured ambient concentrations of all parameters are within the AAAQO for the month of November 2013.
- * All compliance parameters are above 90% operational for the month of November 2013, with the exception of the PM2.5 analyzer. ESRD reference number: 275548.
- * Operational issues for the month of November include the PM2.5 analyzer malfunctioning. It was not operational Nov 1-7, it was replaced with a SHARP PM2.5 analyzer on Nov 8. 24 hours of data for all pollutant parameters is flagged as maintenance on Nov 6-7. Station HVAC repairs were taking place, and analyzers were left in maintenance mode to prevent any analyzer malfunctions.
- * High PM2.5 readings on Nov 22 are associated with the landfill fire in Medicine Hat.
- * O3 passive sample failures occured for sites 4, 11, 14, 20, and 22. The NO2/SO2 passive filter was damaged at site 11.