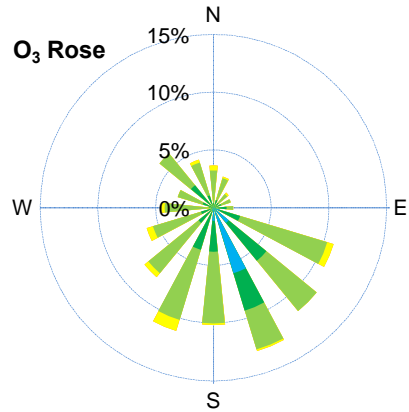
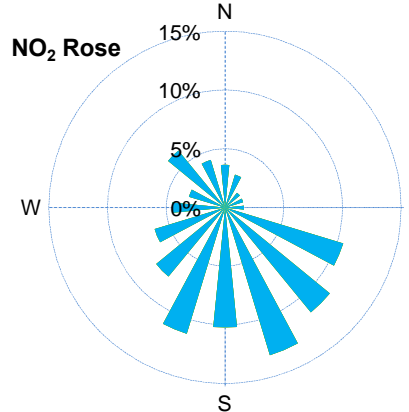
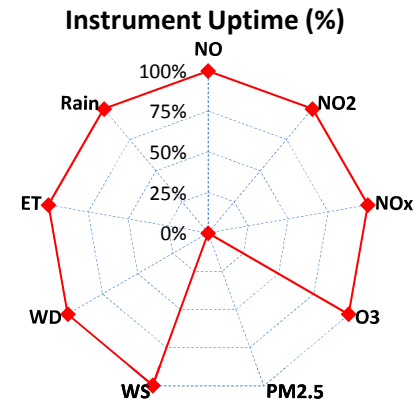
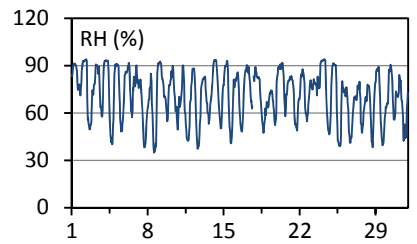
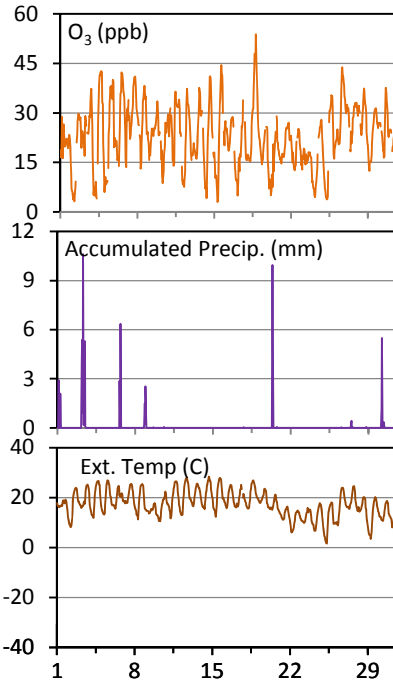
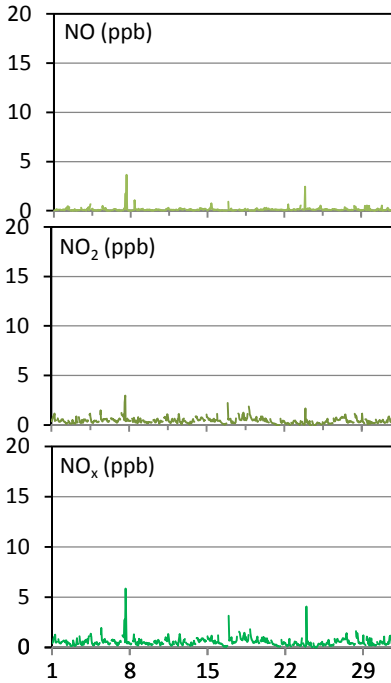


WYAMZ Meadow Lake Station - August 2014 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.1	99.7%	0.4	Aug-7	-	-	3.7	Aug-07 14:00	-	-
NO ₂	ppb	0.4	99.7%	0.8	Aug-7	-	-	3.0	Aug-07 15:00	212	0
NO _x	ppb	0.6	99.7%	1.2	Aug-7	-	-	5.9	Aug-07 14:00	-	-
O ₃	ppb	23	99.7%	32	Aug-7	-	-	54	Aug-18 19:00	82	0

SAAQS: Saskatchewan Ambient Air Quality Standards



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class						
Wind Speed	m/s	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6	
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212	
O ₃	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 60	60 ≤ C < 82	C ≥ 82	

Monthly Update

*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.

*All compliance parameters were greater than 90% operational, with the exception of the PM_{2.5} analyzer.

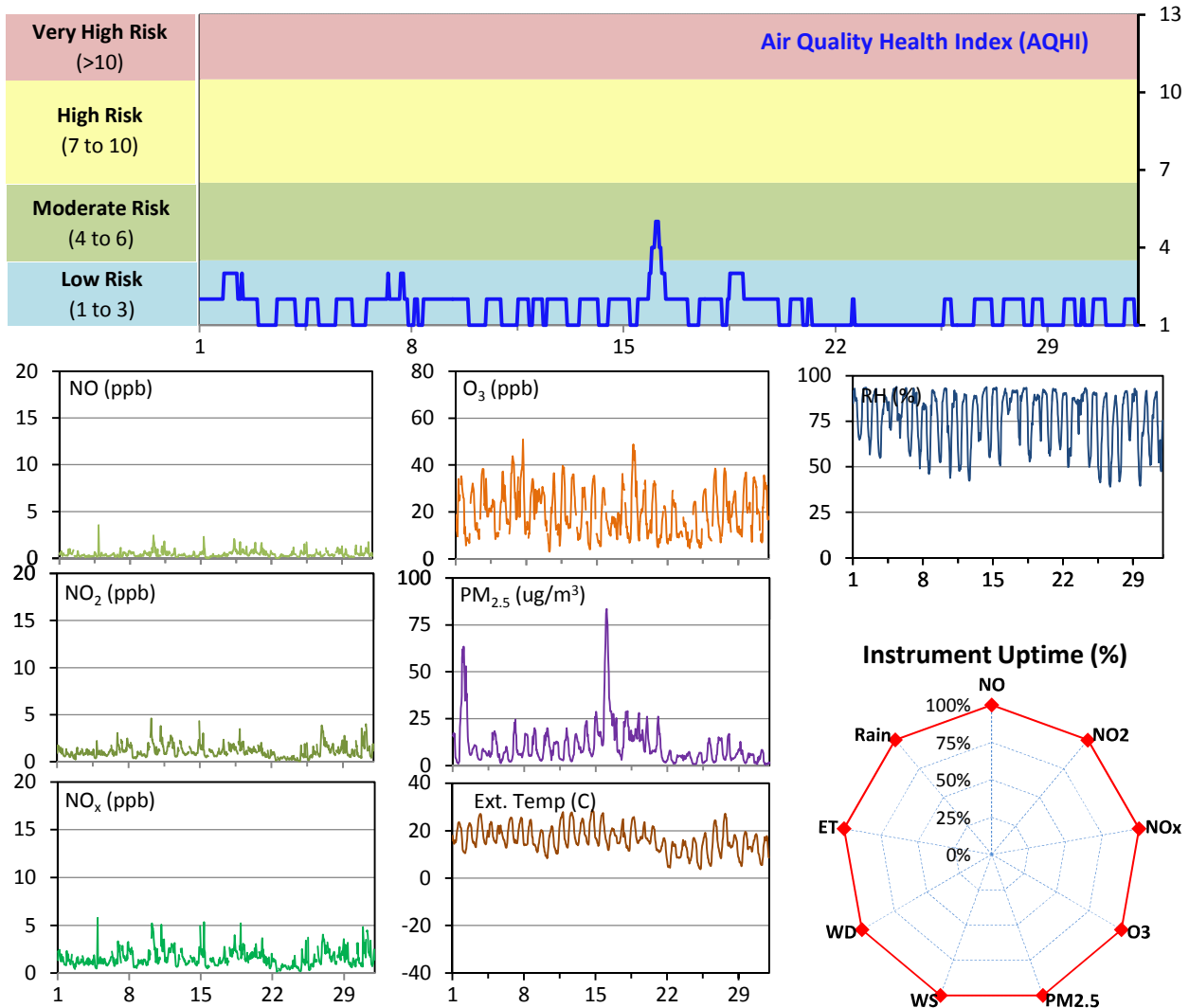
*Operational issues include: The PM_{2.5} analyzer has been malfunctioning since July 1. AMEC Technicians will repair the analyzer in September. There are 2 hours of data flagged as "power failure" on August 17 for all parameters.



WYAMZ Unity Station - August 2014 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.4	99.9%	0.8	Aug-18	-	-	3.6	Aug-04 21:00	-	-
NO ₂	ppb	1.1	99.9%	1.8	Aug-27	-	-	4.6	Aug-10 05:00	212	0
NO _x	ppb	1.6	99.9%	2.5	Aug-10	-	-	5.8	Aug-04 21:00	-	-
O ₃	ppb	20	100.0%	28	Aug-7	-	-	51	Aug-07 16:00	82	0
PM _{2.5}	ug/m3	11	100.0%	38	Aug-16	30	1	84	Aug-16 01:00	-	-

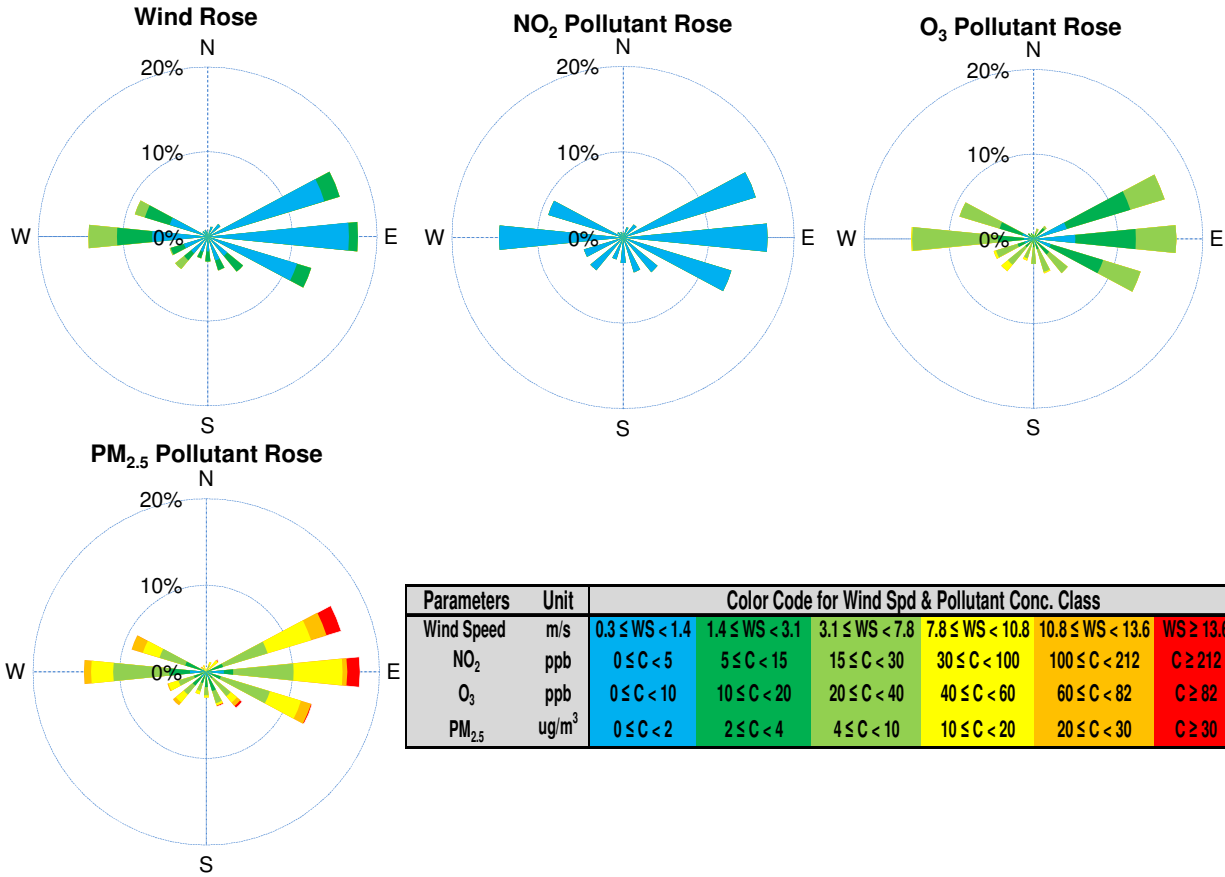
SAAQS: Saskatchewan Ambient Air Quality Standards



Monthly Update

- *All data has been slope, intercept, and baseline corrected. Data may change after validation process.
- *All compliance parameters were within the Saskatchewan Ambient Air Quality Standards, with the exception of one 24-hour PM_{2.5} exceedance events. Please see the exceedance summary table for details.
- *All compliance parameters are above 90% operational.
- *Operational issues: There is one hour of NO/NO₂/NO_x data flagged as "power failure" on August 8. All analyzers were affected by the power disruption, however NO/NO₂/NO_x was slower to recover.

WYAMZ Unity Station - August 2014 Summary Report

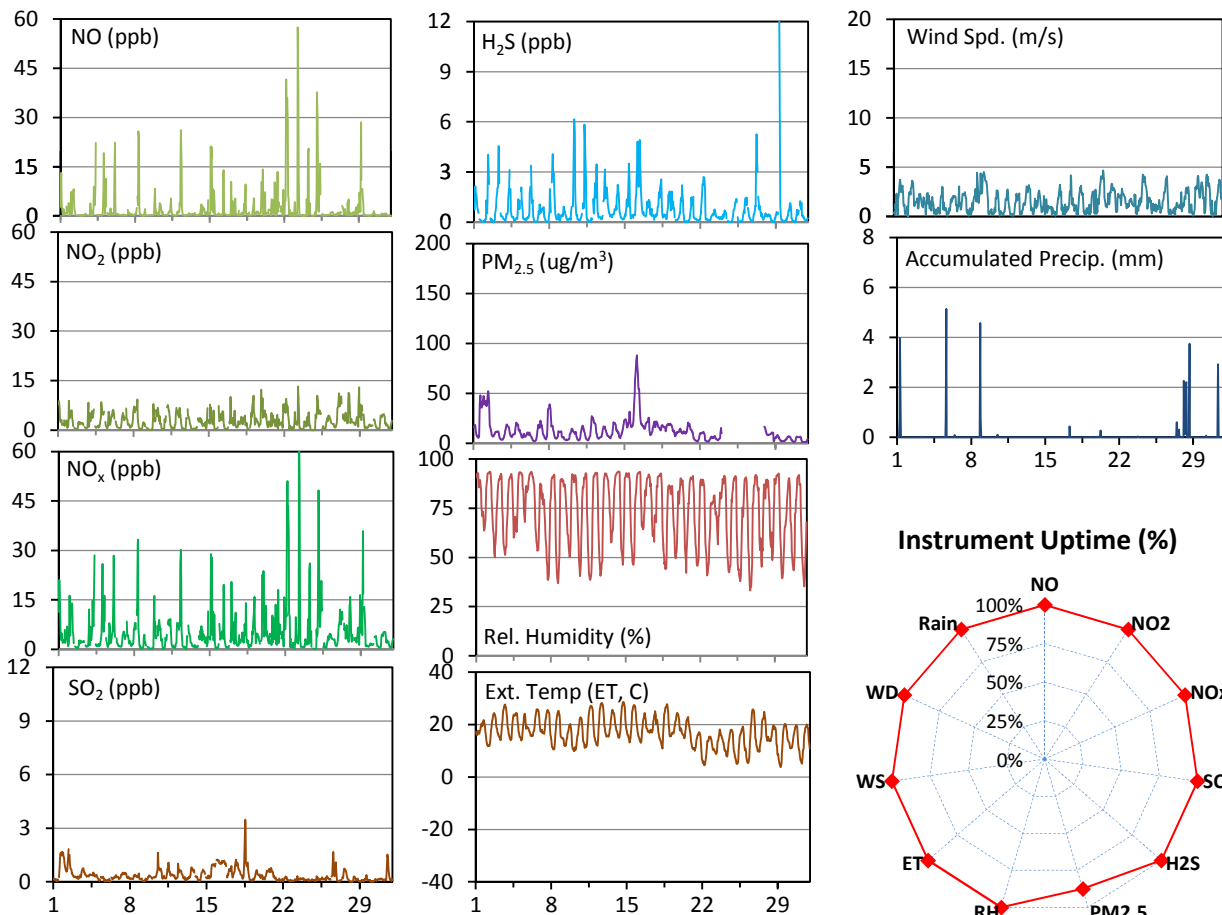
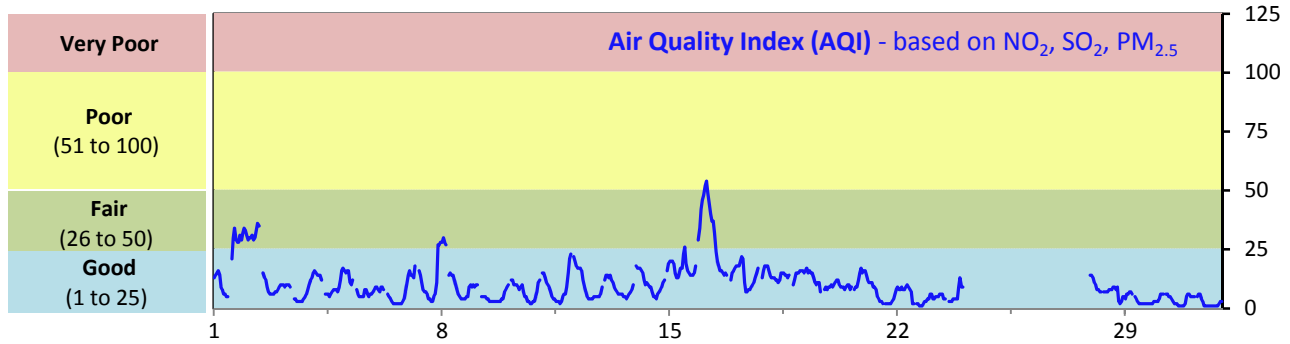


Exceedance Summary											
Pollutant	Conc. ppb	Exceedance Date mmm-dd	WS m/s	WD deg	AQHI -	Rain mm	NO ppb	NO ₂ ppb	NO _x ppb	O ₃ ppb	PM _{2.5} ug/m ³
24-hour Exceedance Information			WS	WD	AQHI	Rain	NO	NO ₂	NO _x	O ₃	PM _{2.5}
PM _{2.5}	38	Aug-16	1.1	82	3	0.0	0	1	1	14	38

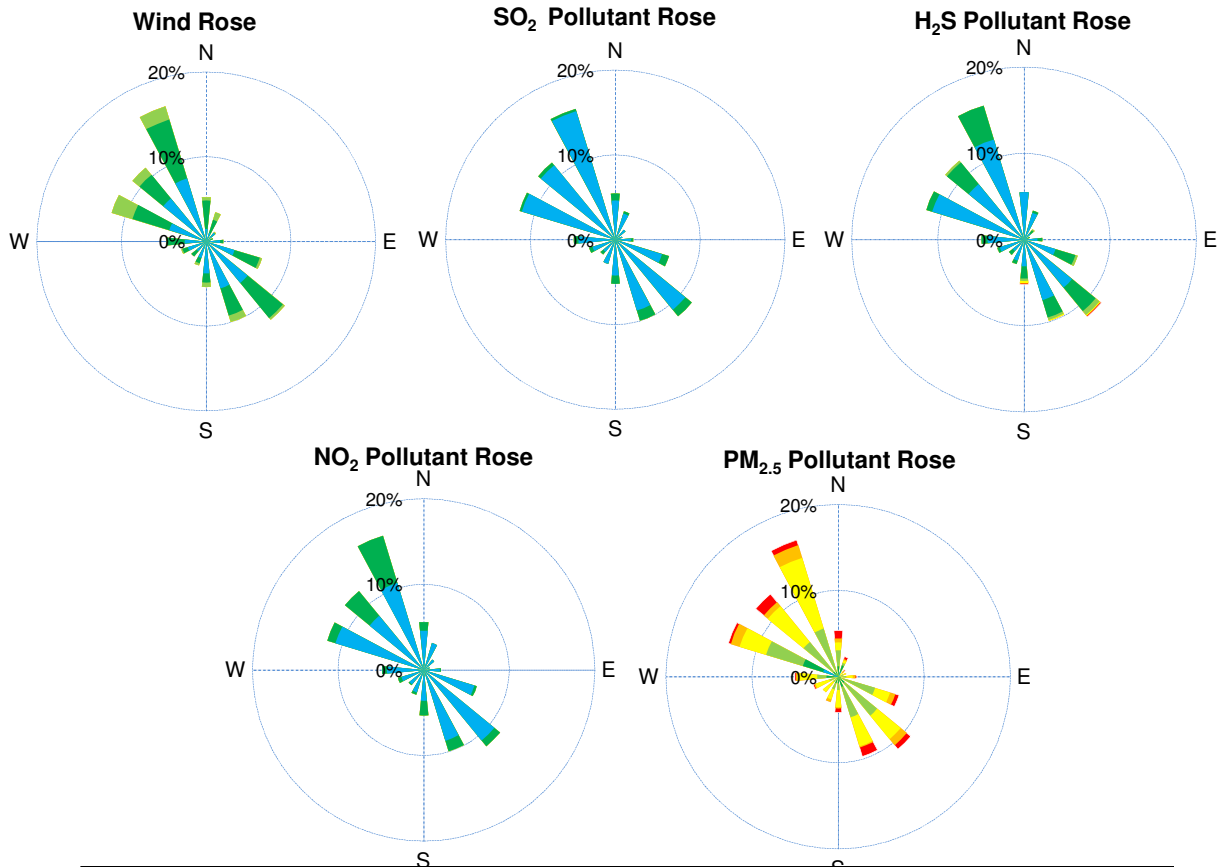
WYAMZ Maidstone Station - August 2014 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	2.2	100.0%	8.4	Aug-22	-	-	57.5	Aug-23 06:00	-	-
NO ₂	ppb	2.9	100.0%	6.3	Aug-27	-	-	13.3	Aug-23 06:00	212	0
NO _x	ppb	5.1	100.0%	12.1	Aug-22	-	-	70.8	Aug-23 06:00	-	-
SO ₂	ppb	0.4	100.0%	1.0	Aug-16	57	0	3.5	Aug-18 12:00	172	0
H ₂ S	ppb	0.8	100.0%	2	Aug-16	3.6	0	13.5	Aug-29 07:00	10.8	2
PM _{2.5}	ug/m3	13	87.5%	39	Aug-16	30	1	88	Aug-16 03:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



WYAMZ Maidstone Station - August 2014 Summary Report



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class						
Wind Speed	m/s	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6	
SO ₂	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172	
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212	
H ₂ S	ppb	0 ≤ C < 1	1 ≤ C < 3.6	3.6 ≤ C < 5	5 ≤ C < 8	8 ≤ C < 10.8	C ≥ 10.8	
PM _{2.5}	ug/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30	

Monthly Update

- *All data has been slope, intercept, and baseline corrected. Data may change after validation process.
- *All compliance parameters were within the Saskatchewan Ambient Air Quality Standards, with the exception of two 1-hour H₂S exceedance events and one 24-hour PM_{2.5} exceedance event. Please refer to exceedance summary tables for details.
- *All compliance parameters are above 90% operational, with the exception of the PM_{2.5} analyzer..
- *Operational issues include: 93 hours of PM_{2.5} data flagged as "analyzer failure" on August 24-27 when the pump shut off following a power disruption. The analyzer returned to normal operations once the pump was restarted.

Exceedance Summary

1-hour Exceedance Information			Summary of Other Parameters During Exceedance									
Pollutant	Conc. ppb	Exceedance Time mmm-dd hh:mm	WS m/s	WD deg	AQI -	Rain mm	ET C	SO ₂ ppb	NO ₂ ppb	H ₂ S ppb	PM _{2.5} ug/m ³	
H2S	13.5	Aug-29 07:00	0.4	187	5	0.0	3.8	0	5	13.5	6	
H2S	11.7	Aug-29 08:00	0.8	138	4	0.0	5.4	0	5	11.7	5	
24-hour Exceedance Information			WS	WD	AQI	Rain	ET	SO ₂	NO ₂	H ₂ S	PM _{2.5}	
PM2.5	39	Aug-16	1.2	152	29	0.0	18.2	1	3	2.0	39	