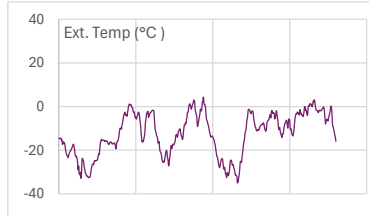
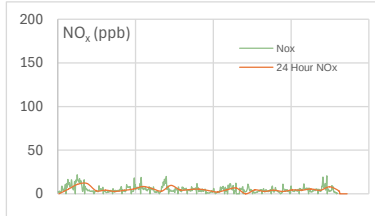
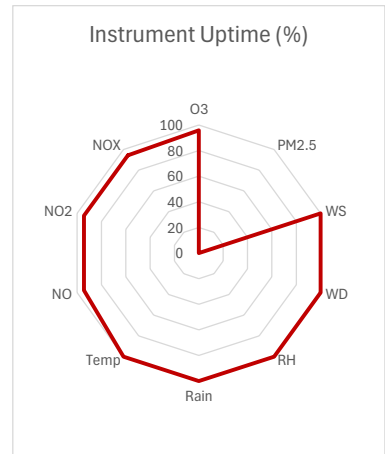
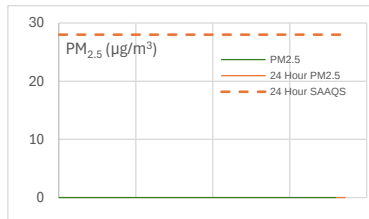
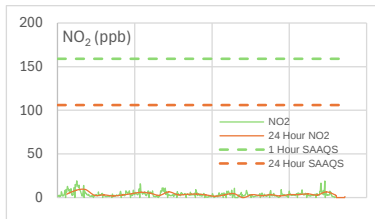
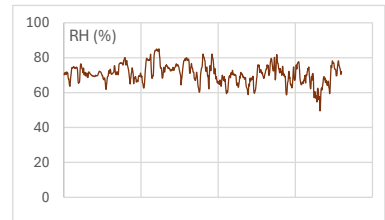
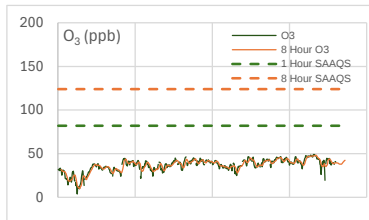
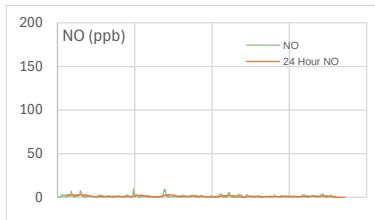
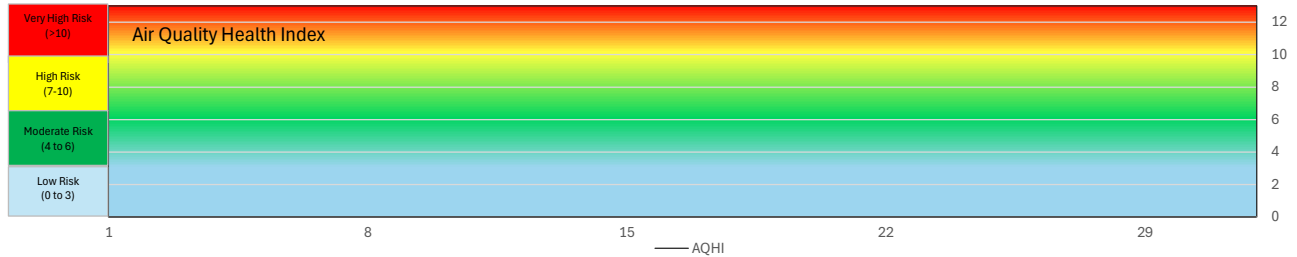


WYAMZ Clavet Station - January 2025 Summary Report

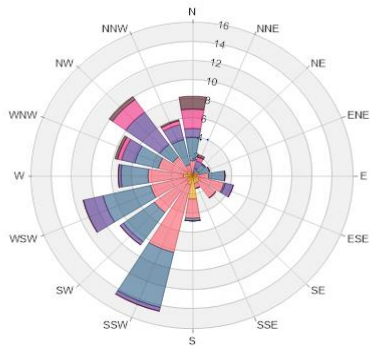
Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	1.2	94.4%	3.08	12-Jan	-	-	9.9	1/9/2025 5:00 AM	-	-
NO ₂	ppb	3.8	94.4%	9.26	3-Jan	106	0	19.2	1/3/2025 2:00 AM	159	0
NO _x	ppb	5	94.4%	11.85	3-Jan	-	-	21.8	1/3/2025 2:00 AM	-	-
O ₃	ppb	36.7	95.8%	48.29	28-Jan	124 (8 hours)	0	49.1	1/28/2025 2:00 PM	82	0
PM _{2.5}	µg/m ³	No Data	0.0%	0.00	-	28	0	No Data	-	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

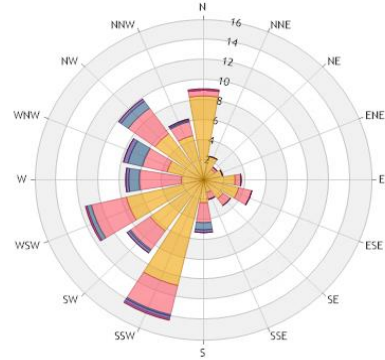


Exceedance Summary											
24-hour Exceedance Information			Summary of other Parameters during Exceedance								
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NO _x	O ₃	PM _{2.5}	

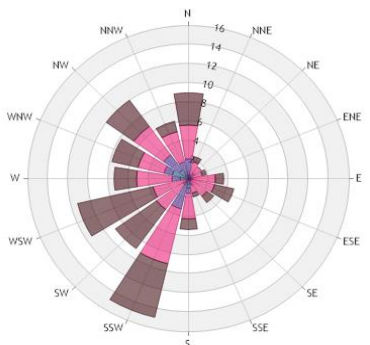
WYAMZ Clavet Station - January 2025 Summary Report



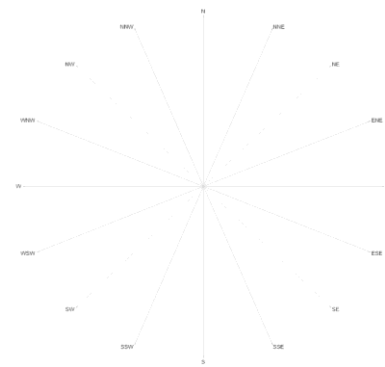
Wind Rose



Pollution Rose NO₂



Pollution Rose O₃



Pollution Rose PM_{2.5}

Parameters	Unit	Color Code for Wind Speed and Pollutant Conc. Class					
Wind Speed	m/s	0.5 - 1.2	1.2 - 2.4	2.4 - 3.6	3.6 - 4.8	4.8 - 6.0	> 6.0
NO ₂	ppb	0.0-C-4.0	4.0-C-8.0	8.0-C-12.0	12.0-C-16.0	16.0-C-20.0	> 20
O ₃	ppb	0.0-C-8.0	8.0-C-16.0	16.0-C-24.0	24.0-C-32.0	32.0-C-40.0	> 40
PM _{2.5}	µg/m ³	N/A	N/A	N/A	N/A	N/A	N/A

Monthly Update

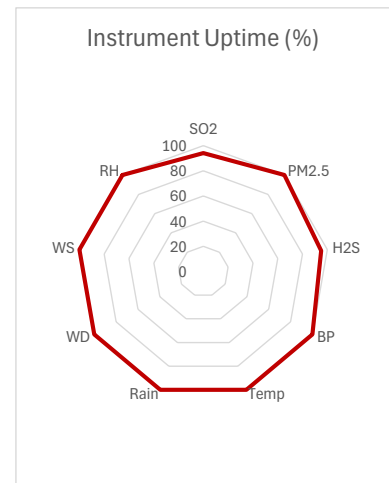
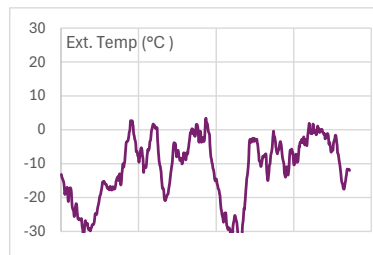
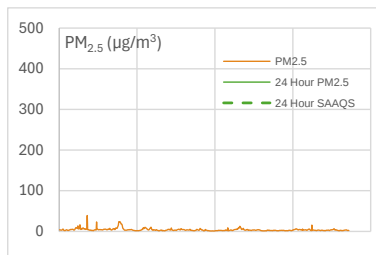
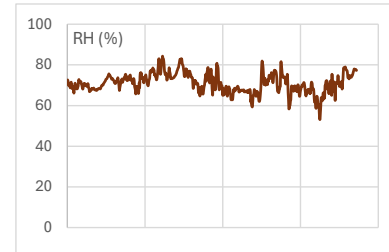
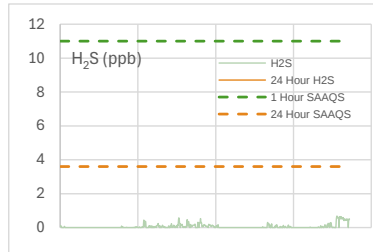
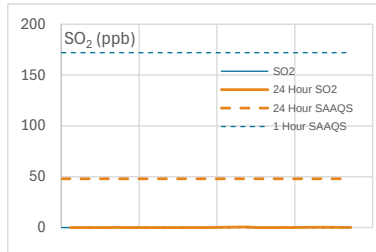
- * All data has been zero drift and baseline corrected, if needed.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance parameters were more than 90% operational for the month, except for PM_{2.5}. Monitor was removed on October 24, 2024 for repair.
- * 9 hours of data flagged as "analyzer malfunctioning" for NO₂ analyzer due to missing and flatlined data on January 20, 2024.
- * One hour of data were flagged for all gas analyzers due to daily IZS checks, resulting in the loss of one hour of data each day.
- * Quarterly calibrations were performed on December 20, 2024.



WYAMZ Kerrobert Station - January 2025 Summary Report

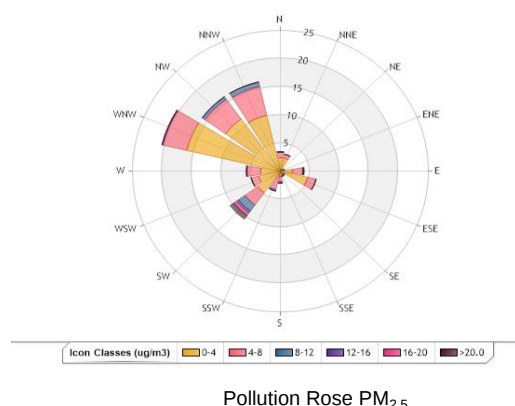
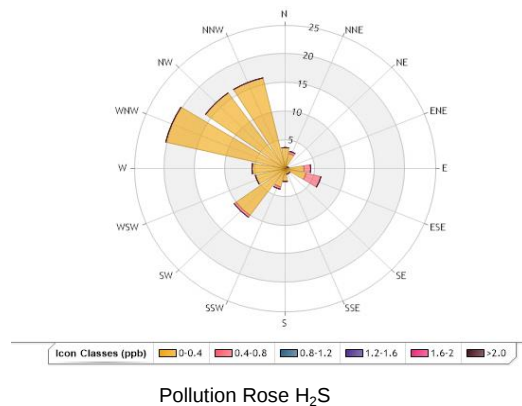
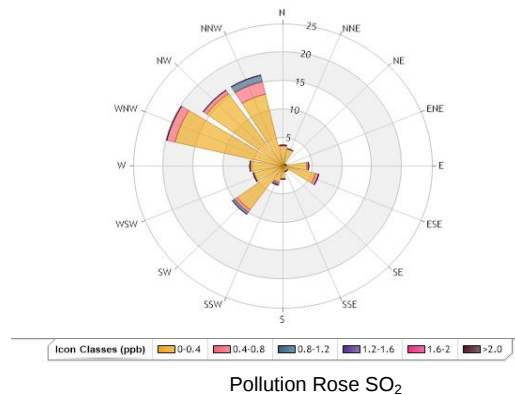
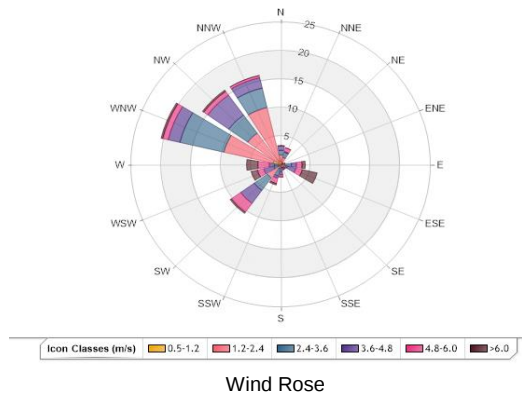
Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
SO ₂	ppb	0.1	94.1%	0.5	19-Jan	48	0	1.0	1/19/2025 12:00 PM	172	0
H ₂ S	ppb	0.1	95.0%	0.5	31-Jan	3.6	0	0.7	1/30/2025 4:00 PM	11	0
PM _{2.5}	µg/m ³	4.1	100.0%	13.4	7-Jan	28	0	39.1	1/4/2025 12:00 AM	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Exceedance Summary								
24-hour Exceedance Information			Summary of other Parameters during Exceedance					
Pollutant	Date	Conc.	WS	WD	Precip.	SO ₂	H ₂ S	PM _{2.5}

WYAMZ Kerrobert Station - January 2025 Summary Report



Parameters	Unit	Color Code for Wind Speed and Pollutant Conc. Class					
Wind Speed	m/s	0.5 - 1.2	1.2 - 2.4	2.4 - 3.6	3.6 - 4.8	4.8 - 6.0	> 6.0
SO ₂	ppb	0.0-C-0.4	0.4-C-0.8	0.8-C-1.2	1.2-C-1.6	1.6-C-2.0	C > 2.0
H ₂ S	ppb	0.0-C-0.4	0.4-C-0.8	0.8-C-1.2	1.2-C-1.6	1.6-C-2.0	C > 2.0
PM _{2.5}	µg/m ³	0.0-C-4.0	4.0-C-8.0	8.0-C-12.0	12.0-C-16.0	16.0-C-20.0	C > 20.0

Monthly Update

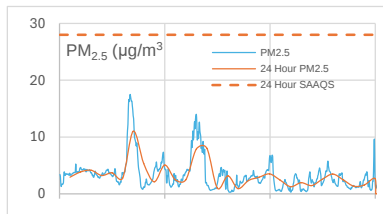
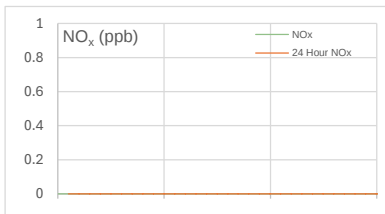
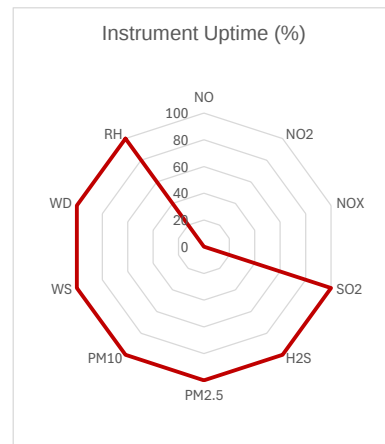
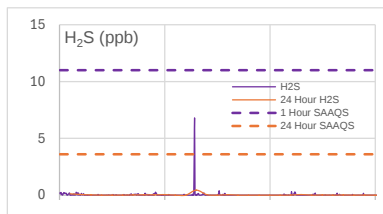
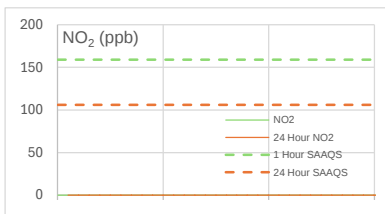
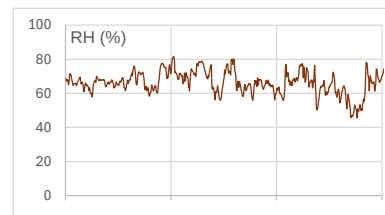
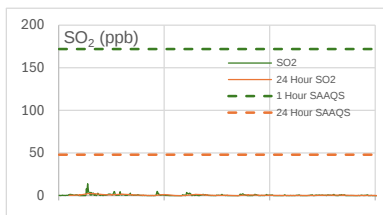
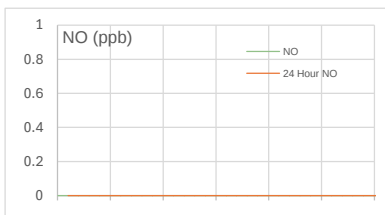
- * All data has been zero drift, and baseline corrected, if needed.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance parameters were more than 90% operational for the month.
- * One hour of data were flagged for all gas analyzers due to daily IZS checks, resulting in the loss of one hour of data each day.
- * Occasionally internal span failures were observed at the H₂S monitor, likely caused by seasonal ambient temperature variations impacting analyzer performance.
- * Quarterly calibrations were performed on January 15, 2024



WYAMZ Maidstone Station - January 2025 Summary Report

Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	No Data	0.0%	0.00	-	-	-	No Data	-	-	-
NO ₂	ppb	No Data	0.0%	0.00	-	106	0	No Data	-	159	0
NO _x	ppb	No Data	0.0%	0.00	-	-	-	No Data	-	-	-
SO ₂	ppb	0.6	100.0%	2.5	3-Jan	48	0	14.0	1/3/2025 18:00	172	0
H ₂ S	ppb	0.0	100.0%	0.4	13-Jan	3.6	0	6.8	1/13/2025 20:00	11	0
PM _{2.5}	µg/m ³	3.3	100.0%	11.0	7-Jan	28	0	17.5	1/7/25 17:00	-	-

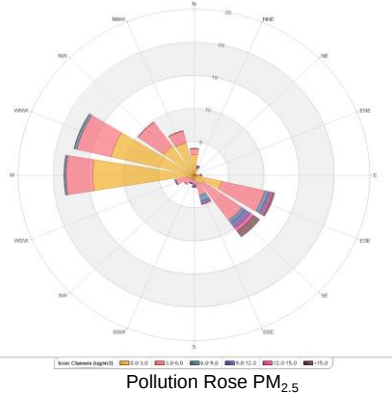
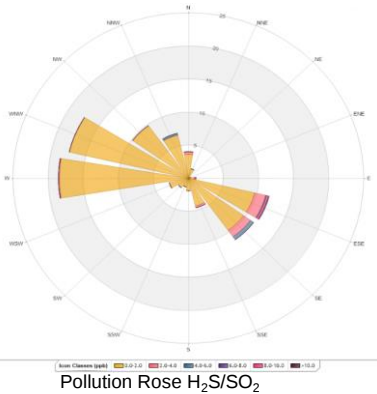
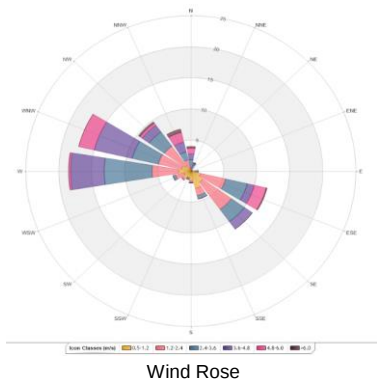
SAAQS: Saskatchewan Ambient Air Quality Standards



Exceedance Summary

Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NO _x	SO ₂	PM _{2.5}

WYAMZ Maidstone Station - January 2025 Summary Report



Parameters	Unit	Color Code for Wind Speed and Pollutant Conc. Class						
Wind Speed	m/s	0.5 - 1.2	1.2 - 2.4	2.4 - 3.6	3.6 - 4.8	4.8 - 6.0	WS > 6.0	
NO ₂	ppb	N/A	N/A	N/A	N/A	N/A	N/A	
H ₂ S/SO ₂	ppb	0.0-C-2.0	2.0-C-4.0	4.0-C-6.0	6.0-C-8.0	8.0-C-10.0	C > 10	
PM _{2.5}	µg/m ³	0.0-C-3.0	3.0-C-6.0	6.0-C-9.0	9.0-C-12.0	12.0-C-15.0	C > 15	

Monthly Update

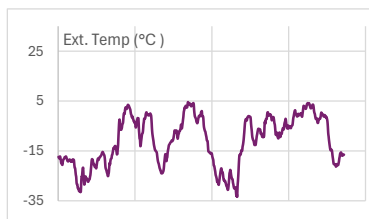
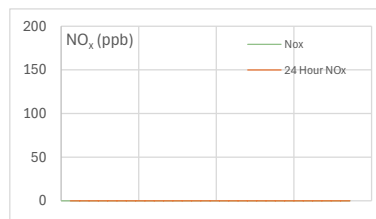
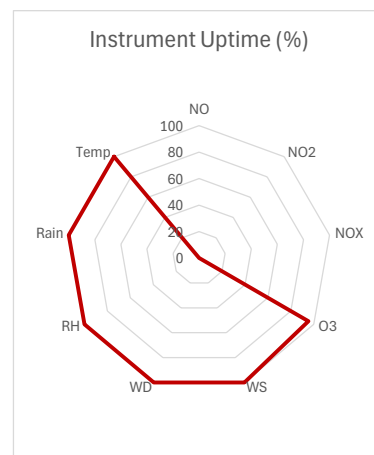
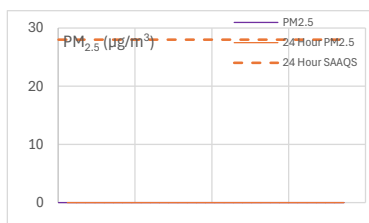
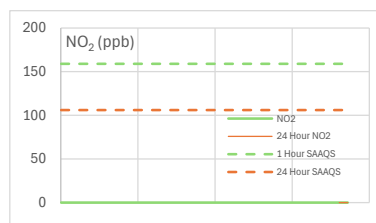
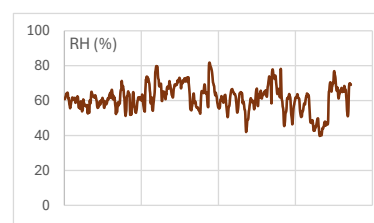
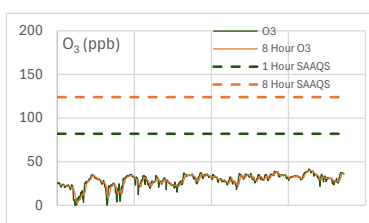
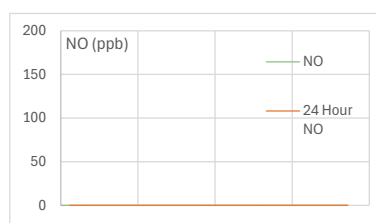
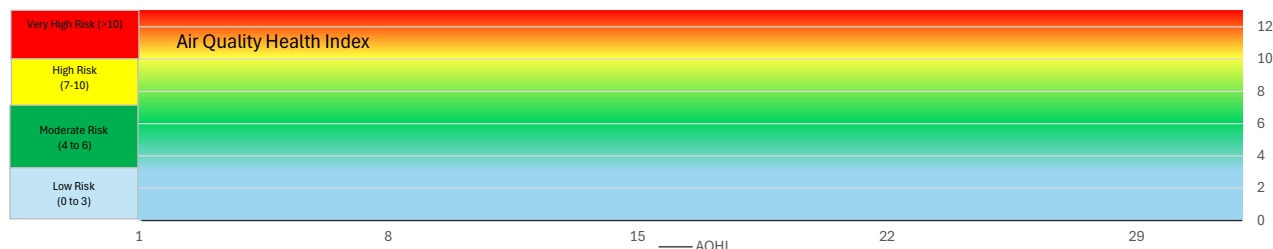
- * All data has been zero drift, and baseline corrected, if any. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance gas parameters were more than 90% operational for the month with the exception of the NO₂ sensor which was removed on December 17, 2024 for service and maintenance.
- * 744 hours of data flagged as "analyzer malfunctioning" for NO₂ analyzer due to missing and flatlined data.



WYAMZ Meadow Lake Station - January 2025 Summary Report

Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective*	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	No Data	0.0%	0.00	-	-	-	No Data	-	-	-
NO ₂	ppb	No Data	0.0%	0.00	-	106	0	No Data	-	159	0
NO _x	ppb	No Data	0.0%	0.00	-	-	-	No Data	-	-	-
O ₃	ppb	28.7	95.3%	40.28	28-Jan	124 (8 hours)	0	41.5	1/28/2025 6:00 AM	82	0
PM _{2.5}	µg/m ³	No Data	0.0%	0.00	-	28	0	No Data	-	-	-

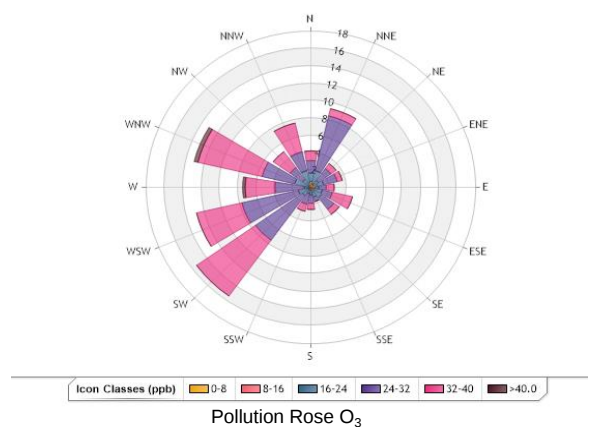
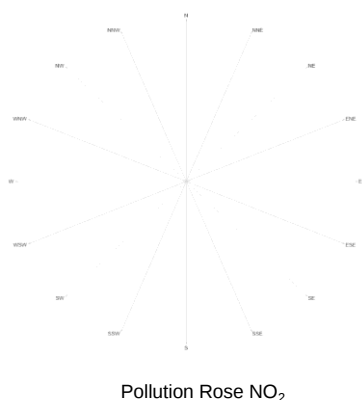
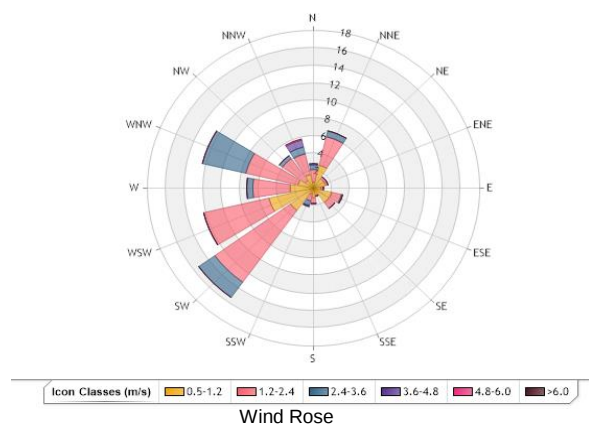
SAAQS: Saskatchewan Ambient Air Quality Standards



Exceedance Summary

24-hour Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NO _x	O ₃	PM _{2.5}

WYAMZ Meadow Lake Station - January 2025 Summary Report



Parameters	Unit	Color Code for Wind Speed and Pollutant Conc. Class						
Wind Speed	m/s	0.5 - 1.2	1.2 - 2.4	2.4 - 3.6	3.6 - 4.8	4.8 - 6.0	WS > 6.0	
NO ₂	ppb	N/A	N/A	N/A	N/A	N/A	N/A	
O ₃	ppb	0.0-C-8.0	8.0-C-16.0	16.0-C-24.0	24.0-C-32.0	32.0-C-40.0	C > 40	
PM _{2.5}	µg/m ³	N/A	N/A	N/A	N/A	N/A	N/A	

Monthly Update

- * All data has been zero drift, and baseline corrected, if any. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance parameters were less than 90% operational for the month except for O₃.
- * 744 hours of data flagged as "analyzer malfunctioning" for PM_{2.5} and NO_x analyzer due to missing and flatlined data.
- * Span failures were noted at the O₃ monitor, likely caused by seasonal ambient temperature variations impacting analyzer performance.

