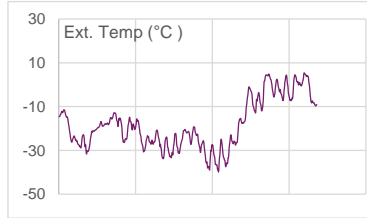
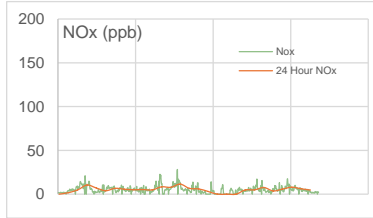
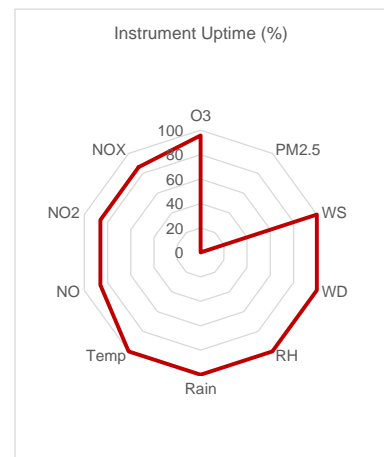
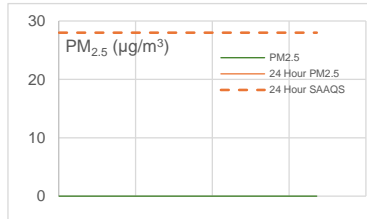
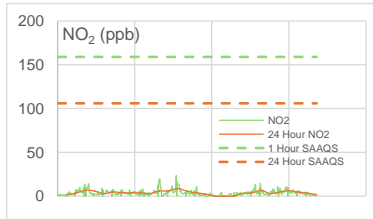
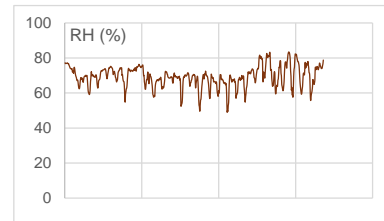
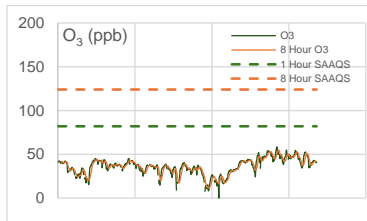
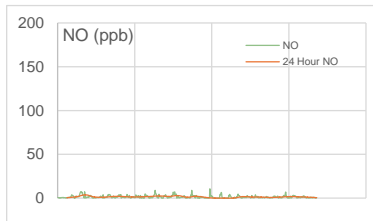
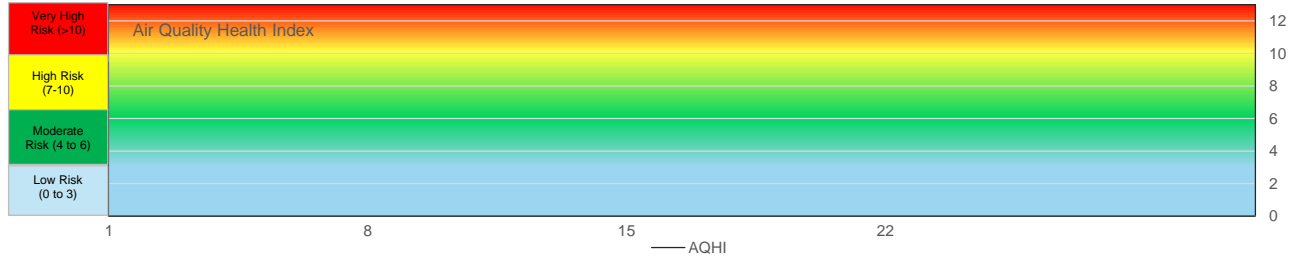


WYAMZ Clavet Station - February 2025 Summary Report

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	1.6	86.2%	3.71	3-Feb	-	-	10.6	2/17/2025 11:00 AM	-	-
NO ₂	ppb	4.3	86.2%	8.67	13-Feb	106	0	23.6	2/13/2025 8:00 PM	159	0
NO _x	ppb	5.9	86.2%	11.51	13-Feb	-	-	28.2	2/13/2025 8:00 PM	-	-
O ₃	ppb	36	95.7%	54.90	24-Feb	124 (8 hours)	0	58.5	2/24/2025 5:00 PM	82	0
PM _{2.5}	µg/m ³	No Data	0.0%	0.00	-	28	0	No Data	-	-	-

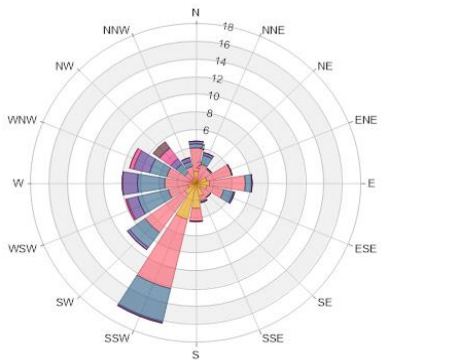
SAAQS: Saskatchewan Ambient Air Quality Standards



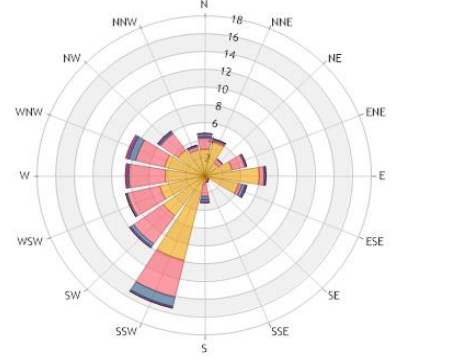
Exceedance Summary

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}

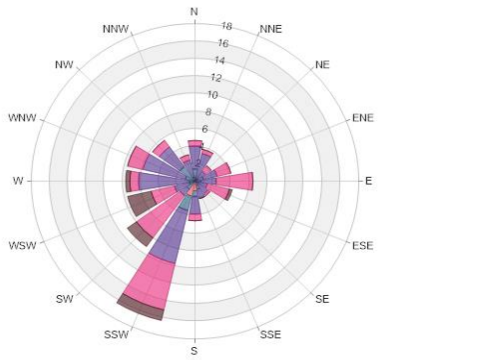
WYAMZ Clavet Station - February 2025 Summary Report



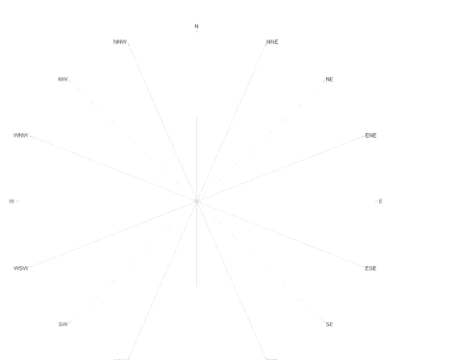
Wind Rose



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-10.0	10.0-C-20.0	20.0-C-30.0	30.0-C-40.0	40.0-C-50.0	> 50	
PM _{2.5}	µg/m ³	N/A	N/A	N/A	N/A	N/A	N/A	

Monthly Update

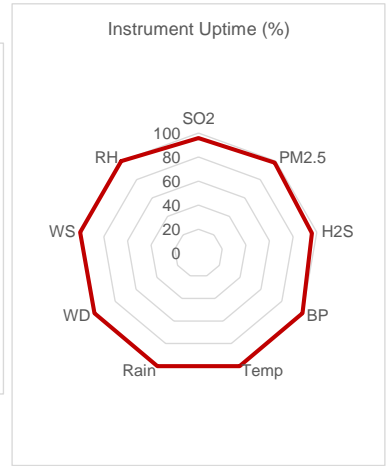
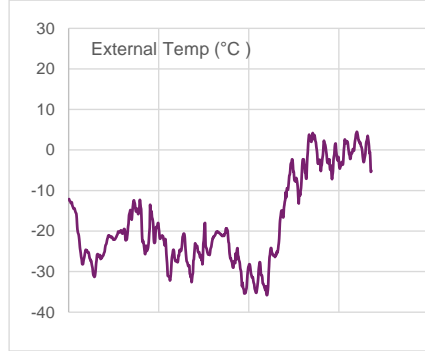
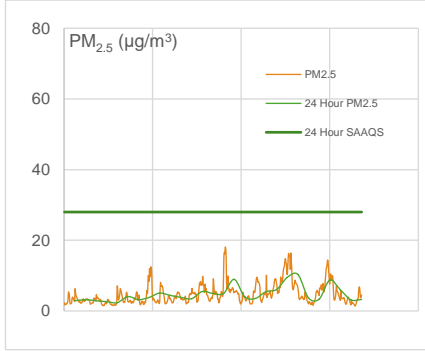
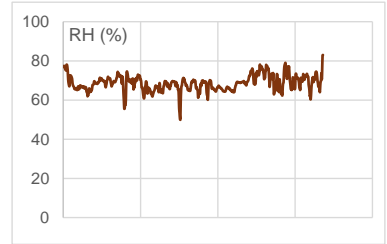
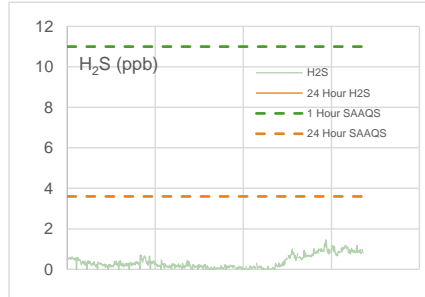
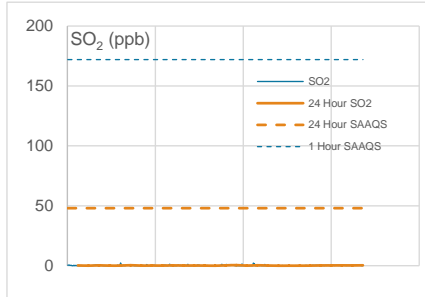
- * All data has been zero drift and baseline corrected, if needed. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance parameters were less than 90% operational for the month, except for O₃.
- * A total of 65 hours of data from the NO_x analyzer were flagged as "analyzer malfunctioning" due to missing, internal sampling, and flatlined data on February 4, 10, 12, and from February 16 to 20, 2025.
- * The PM_{2.5} monitor was removed on October 24, 2024, for repairs, resulting in no data availability for the remainder of the months.
- * 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.



WYAMZ Kerrobert Station - February 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	0.2	95.8%	0.5	16-Feb	48	0	2.3	2/6/2025 1:00 AM	172	0
H ₂ S	ppb	0.4	95.8%	1.0	25-Feb	3.6	0	1.5	2/25/2025 12:00 PM	11	0
PM _{2.5}	µg/m ³	4.8	98.5%	10.3	22-Feb	28	0	18.1	2/16/2025 4:00 AM	-	-

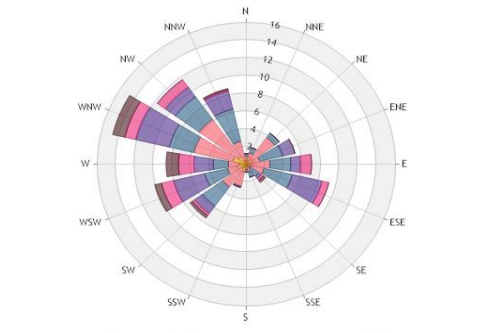
SAAQS: Saskatchewan Ambient Air Quality Standards



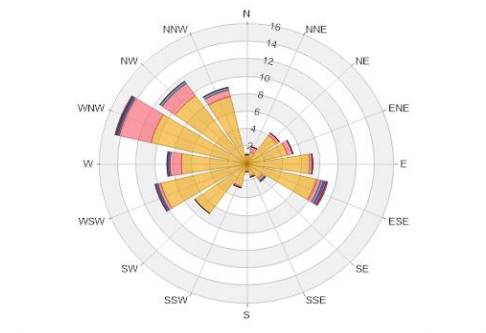
Exceedance Summary

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

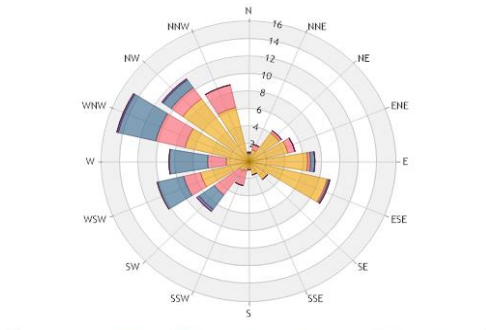
WYAMZ Kerrobert Station - February 2025 Summary Report



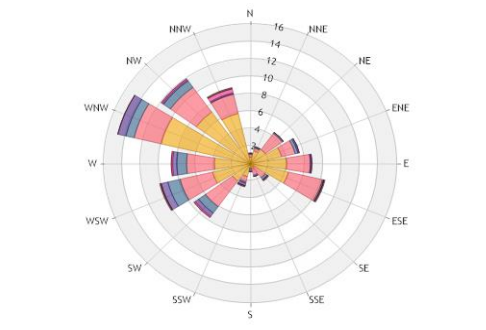
Wind Rose



Pollution Rose SO₂



Pollution Rose H₂S



Pollution Rose PM_{2.5}

Parameters	Unit	Color Code for Wind Speed and Pollutant Conc. Class						
Wind Speed	m/s	0.5-W-1.2	1.2-W- 2.4	2.4-W-3.6	3.6-W-4.8	4.8-W-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

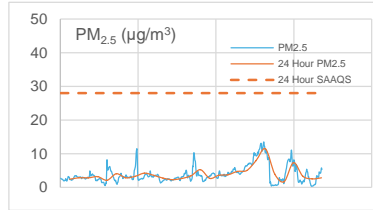
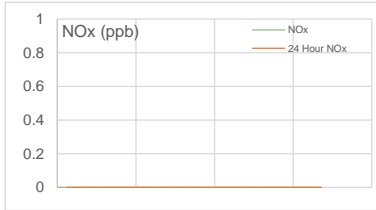
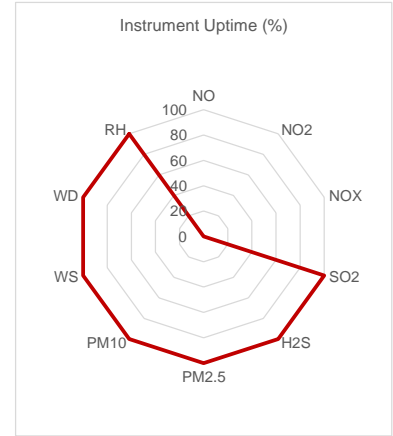
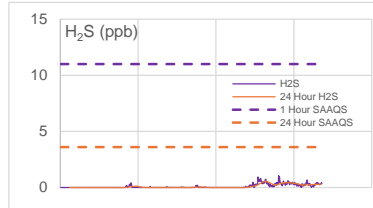
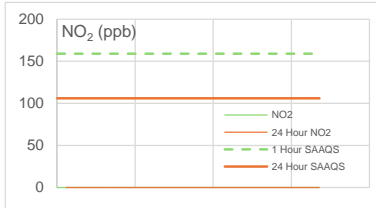
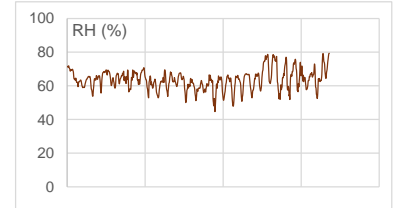
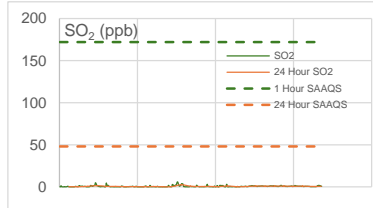
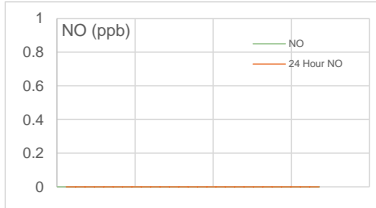
- * All data has been zero drift, and baseline corrected, if needed. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance parameters were more than 90% operational for the month.
- * One hour of data 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.



WYAMZ Maidstone Station - February 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	13-Feb	48	0	5.8	2/13/2025 2:00 PM	172	0
H ₂ S	ppb	0.1	100.0%	0.5	22-Feb	3.6	0	1.1	2/24/2025 9:00 AM	11	0
PM _{2.5}	µg/m ³	3.9	100.0%	11.4	22-Feb	28	0	13.5	2/22/2025 7:00 PM	-	-

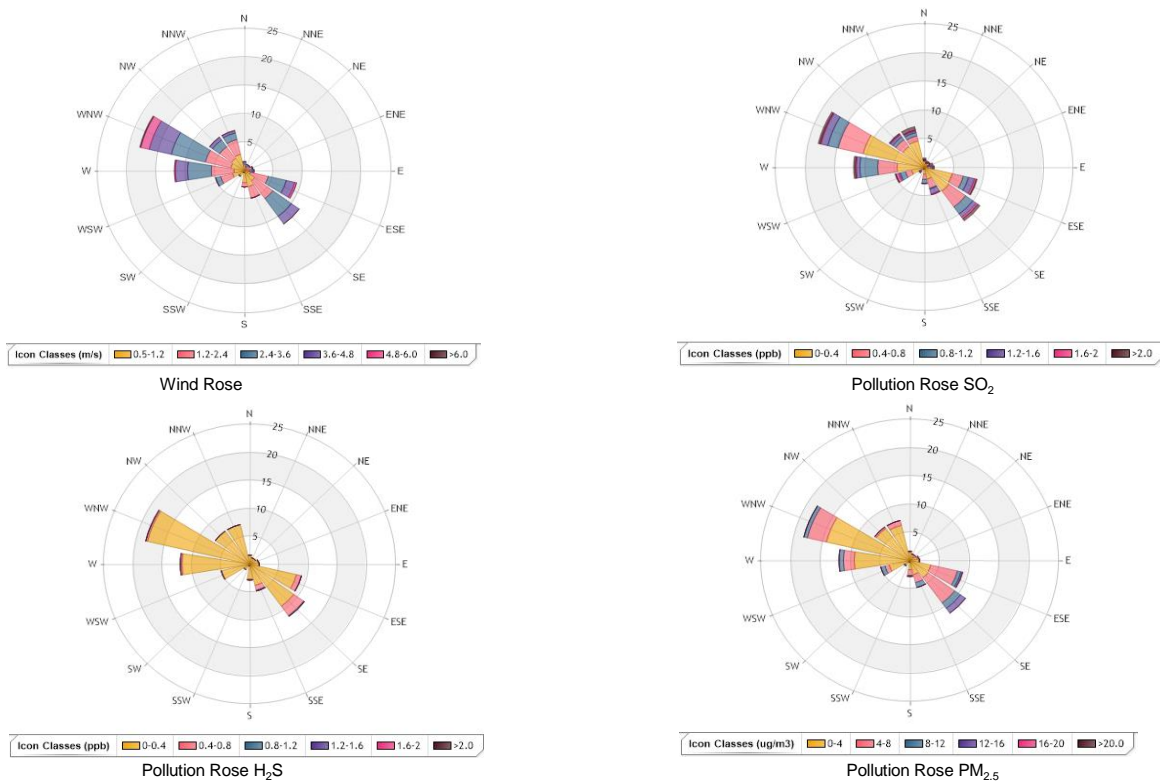
SAAQS: Saskatchewan Ambient Air Quality Standards



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 - February 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	
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

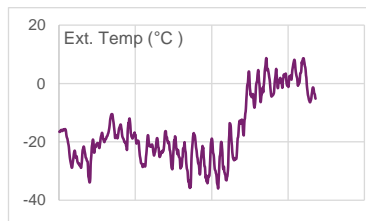
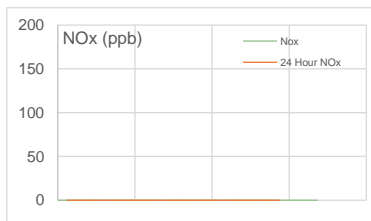
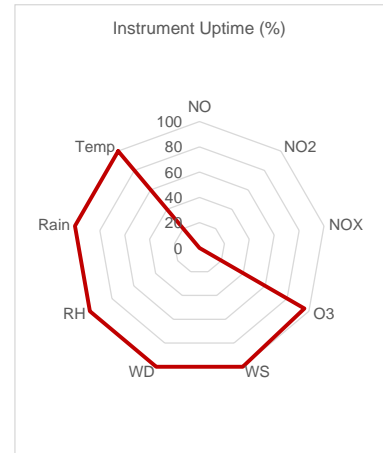
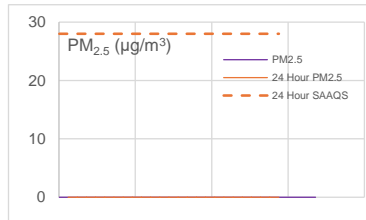
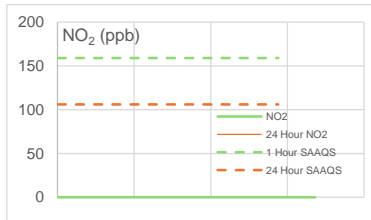
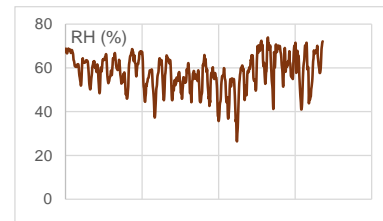
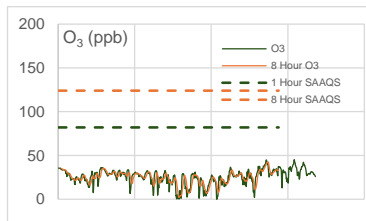
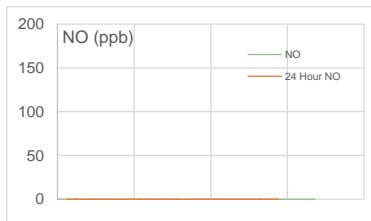
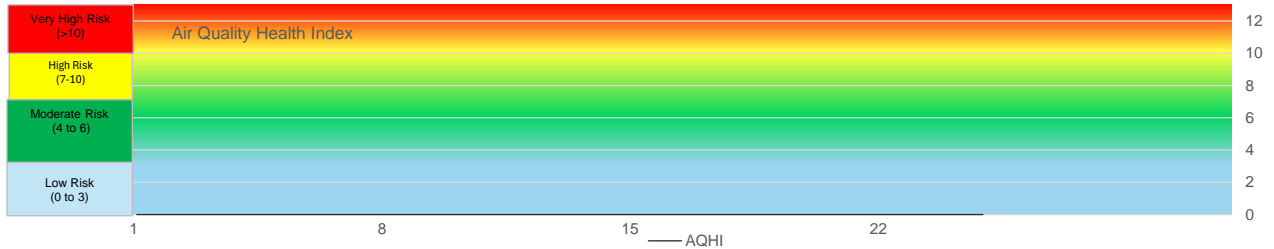
- * All data has been zero drift, and baseline corrected, if needed. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance gas parameters were more than 90% operational for the month with the exception of the NO₂ sensor which was removed on December 17, 2024 for service and maintenance.
- * The internal daily IZS checks for the H₂S and SO₂ analyzers are currently malfunctioning, resulting in the data acquisition system not receiving daily calibration data.



WYAMZ Meadow Lake Station - February 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	25.7	95.8%	42.46	23-Feb	124 (8 hours)	0	45.2	2/26/2025 5:00 PM	82	0
PM _{2.5}	µg/m ³	No Data	0.0%	0.00	-	28	0	No Data	-	-	-

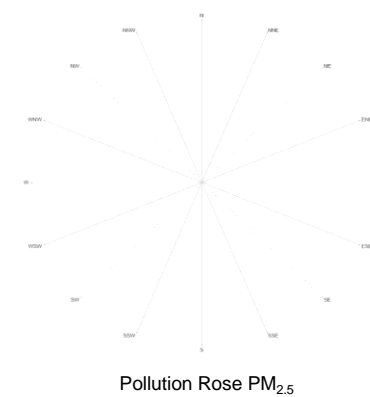
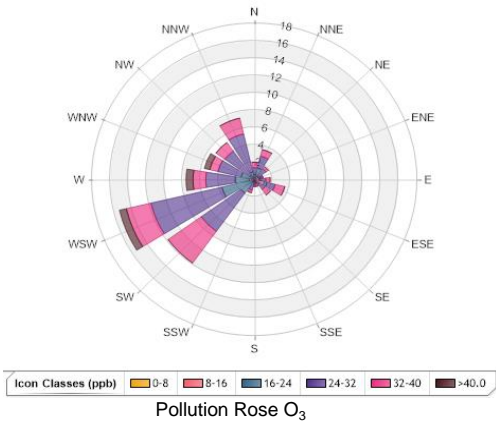
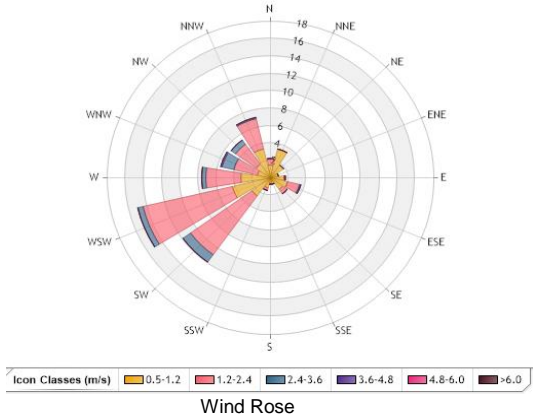
SAAQS: Saskatchewan Ambient Air Quality Standards



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 Meadow Lake Station - February 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.
- * A total of 672 hours of data were flagged as "analyzer malfunctioning" for the NO_x monitor due to issues with ozone generation being offline and a malfunctioning pump.
- * A total of 672 hours of data were flagged as "analyzer malfunctioning" for PM_{2.5} monitor due to instrument pump issue.
- * Span failures were noted at the O₃ monitor, likely caused by seasonal ambient temperature variations impacting analyzer performance.

