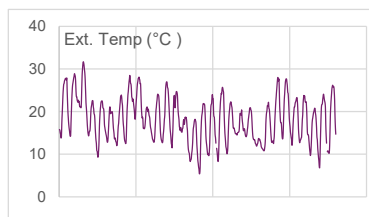
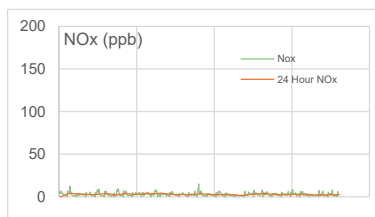
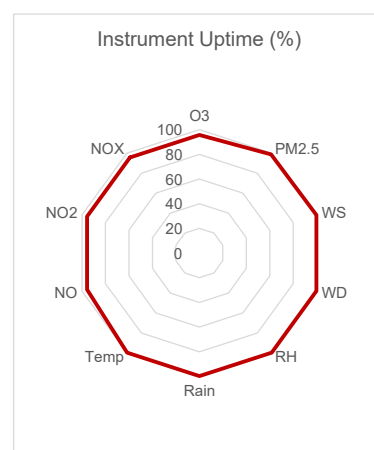
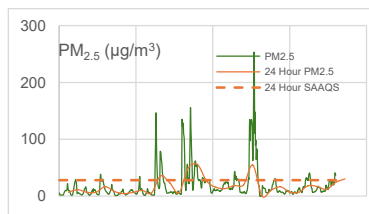
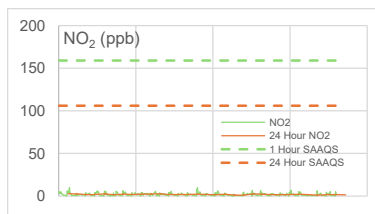
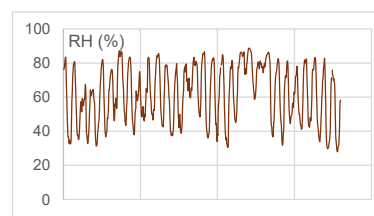
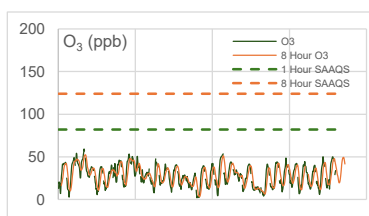
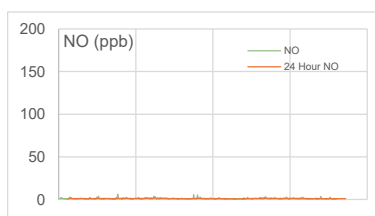
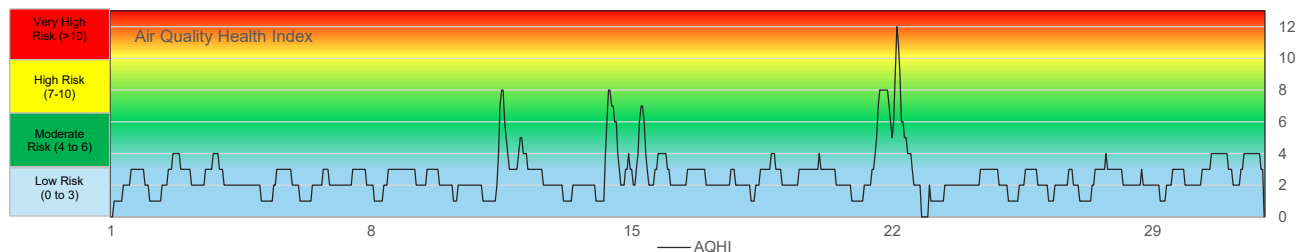


WYAMZ Clavet Station - July 2025 Summary Report

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	95.7%	1.50	11-Jul	-	-	6.1	7/7/2025 9:00 AM	-	-
NO ₂	ppb	2	95.7%	2.69	1-Jul	106	0	10.1	7/2/2025 4:00 AM	159	0
NO _x	ppb	3	95.7%	4.17	11-Jul	-	-	15.1	7/16/2025 12:00 AM	-	-
O ₃	ppb	28.1	95.7%	52.39	3-Jul	124 (8 hours)	0	59.2	7/3/2025 7:00 PM	82	0
PM _{2.5}	µg/m ³	19.8	98.8%	55.60	15-Jul	28	5	253.3	7/22/2025 3:00 AM	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

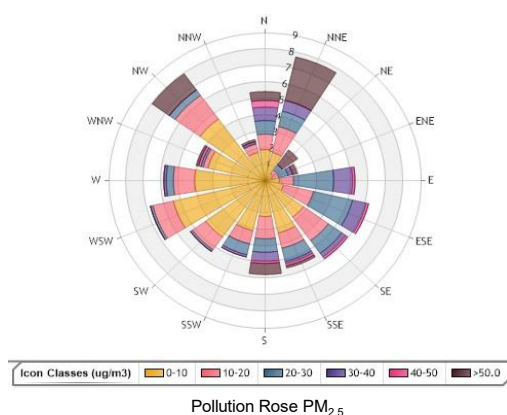
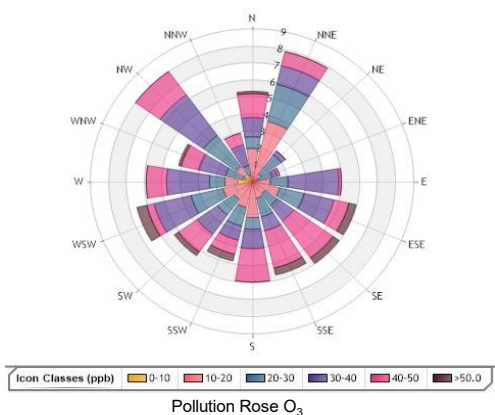
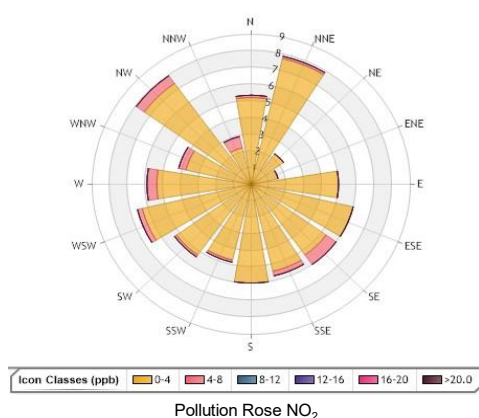
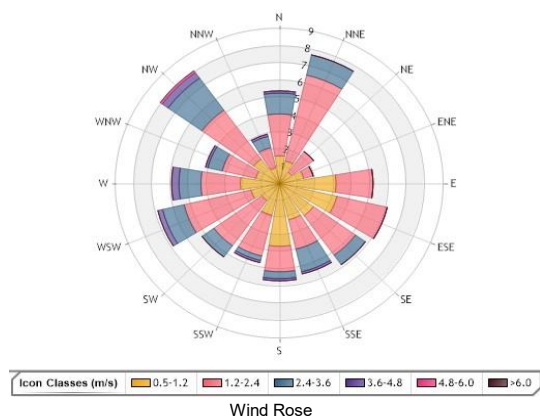


24 Hour Exceedance Summary

Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NO _x	O ₃	PM _{2.5}
PM2.5	7/11/25 12:00 AM	35.5	1.7	256.7	0.1	1.5	2.7	4.2	26.4	35.5
PM2.5	7/14/25 12:00 AM	49.7	1.5	112.3	0.0	0.9	1.9	2.7	22.4	49.7
PM2.5	7/15/25 12:00 AM	55.6	1.3	58.1	0.0	1.3	2.2	3.5	18.0	55.6
PM2.5	7/21/25 12:00 AM	54.7	1.8	265.7	0.0	1.1	2.5	3.6	28.0	54.7
PM2.5	7/31/25 12:00 AM	30.2	0.8	104.9	0.0	1.0	1.5	2.5	34.6	30.2

1 Hour Exceedance Summary

Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NOx	O ₃	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}	ug/m ³	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

Monthly Update

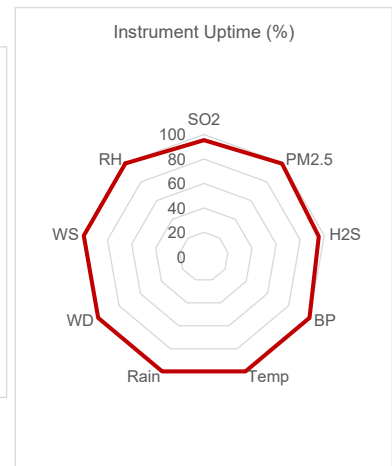
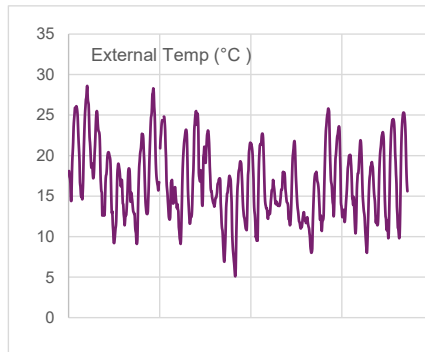
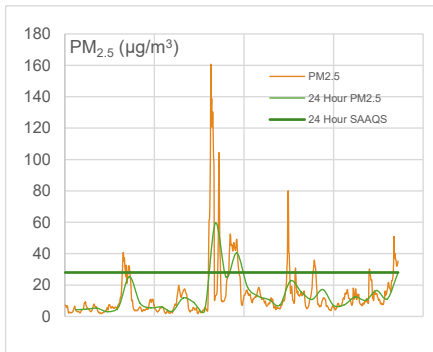
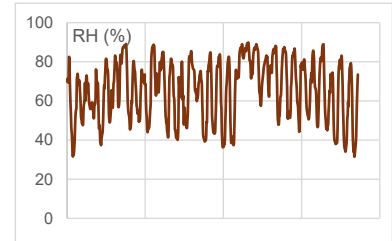
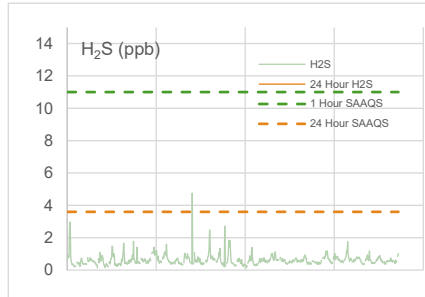
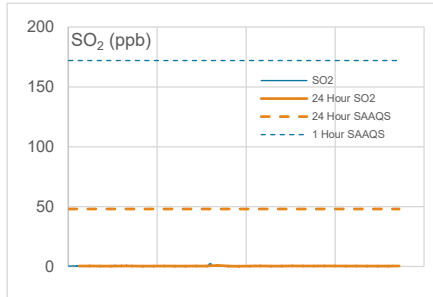
- * All data has been zero drift and baseline corrected, if needed. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards except for five PM_{2.5} 24-hours average exceedance most likely attributed to wildfire smoke in the area.
- * All 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.
- * Quarterly calibrations were completed on May 30, 2025.



WYAMZ Kerrobert Station - July 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	0.4	95.4%	0.9	14-Jul	48	0	2.4	7/14/2025 9:00 AM	172	0
H ₂ S	ppb	0.6	95.4%	0.9	14-Jul	3.6	0	4.8	7/12/2025 5:00 PM	11	0
PM _{2.5}	µg/m ³	13.9	99.6%	59.4	14-Jul	28	2	160.7	7/14/2025 2:00 PM	-	-

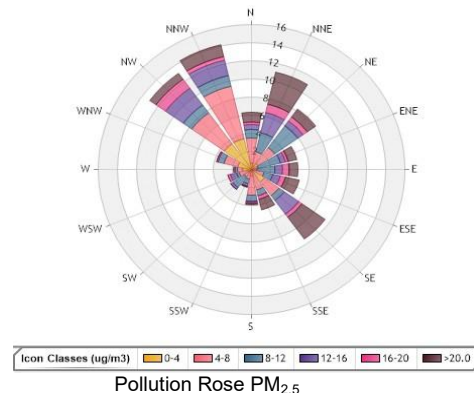
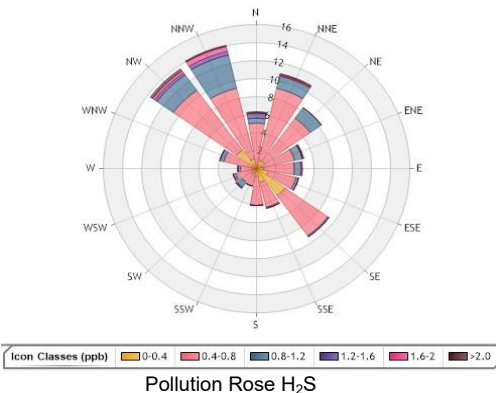
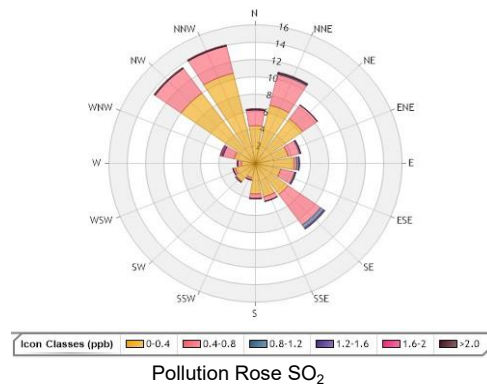
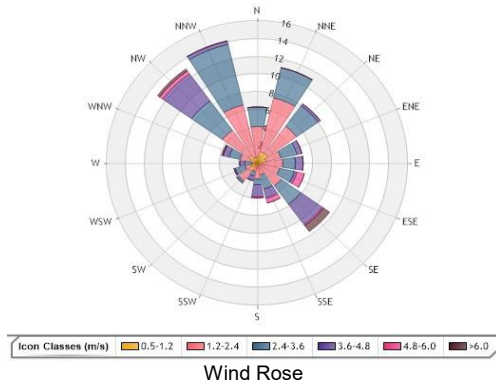
SAAQS: Saskatchewan Ambient Air Quality Standards



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}	
PM _{2.5}	14-Jul	59.40	2.07	118.48	0.02	0.87	0.86	59.40	
PM _{2.5}	16-Jul	40.45	2.26	186.15	0.00	0.25	0.72	40.45	

WYAMZ Kerrobert Station - July 2025 Summary Report



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

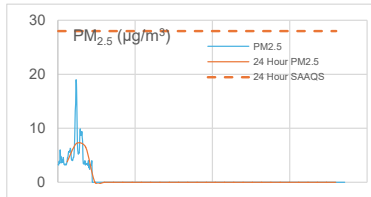
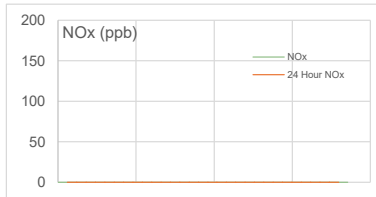
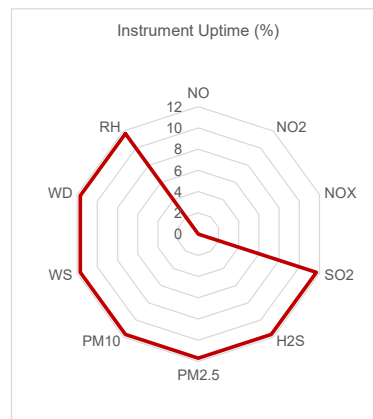
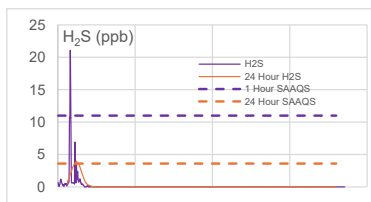
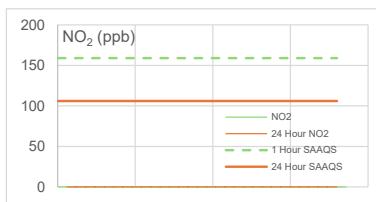
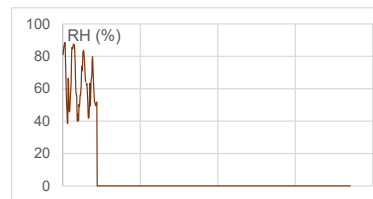
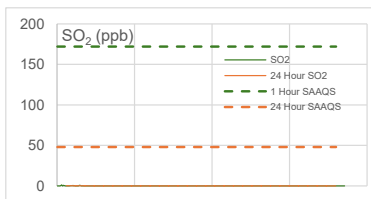
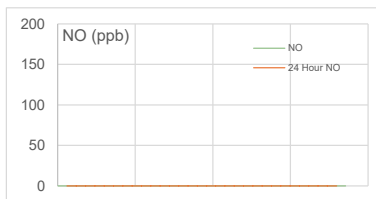
- * All data has been zero drift, and baseline corrected, if needed. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards with the exception of two PM_{2.5} 24-Hour Exceedances.
- * All compliance parameters were greater 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.
- * Quarterly calibrations completed on May 29, 2025.



WYAMZ Maidstone Station - July 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	0.2	11.7%	0.2	1-Jul	48	0	1.3	7/1/2025 12:00 PM	172	0
H ₂ S	ppb	1.4	11.7%	3.9	2-Jul	3.6	1	21.1	7/2/2025 8:00 AM	11	2
PM _{2.5}	µg/m ³	5.3	11.7%	7.2	2-Jul	28	0	19.0	7/2/2025 11:00 PM	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Exceedance Summary

24 - Hour Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	H ₂ S	NO	NO ₂	NO _x	SO ₂	PM _{2.5}
H ₂ S	2-Jul	3.9	2.9	139.7	3.9	N/A	N/A	N/A	0.2	7.2

Exceedance Summary (1-Hour Average)

1-hour Exceedance Information			Summary of Other Parameters During Exceedance					
Pollutant	Date /Time	Conc.	WS	WD	Precip.	SO ₂	NO ₂	PM _{2.5}
H ₂ S	7/2/2025 8:00	21.1	1.5	115.6	0.0	0.0	N/A	6.3
H ₂ S	7/2/2025 9:00	15.9	2.6	120.3	0.0	0.2	N/A	6.1

WYAMZ Maidstone Station - July 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}	ug/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

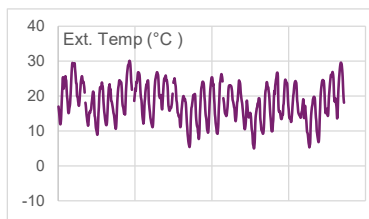
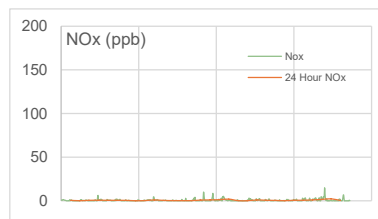
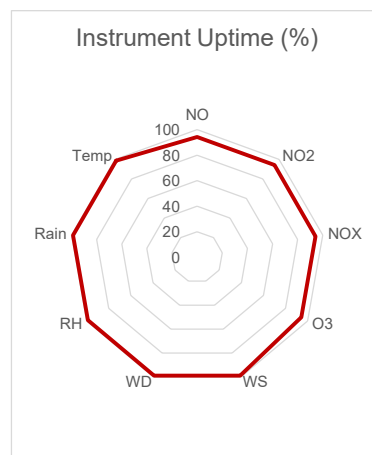
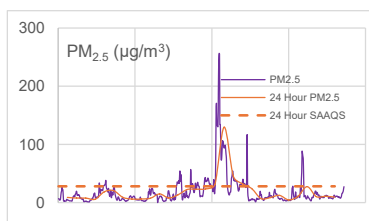
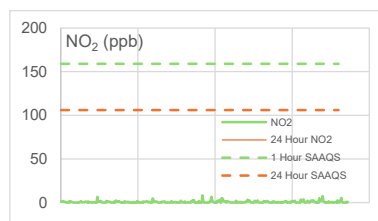
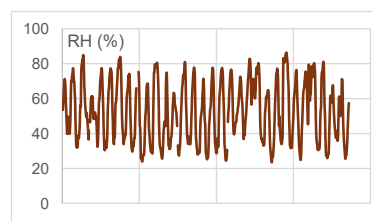
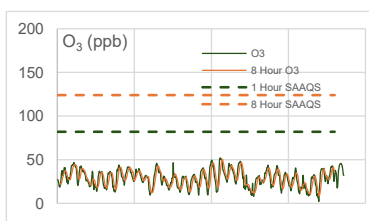
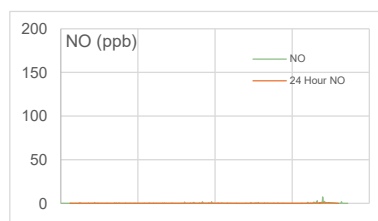
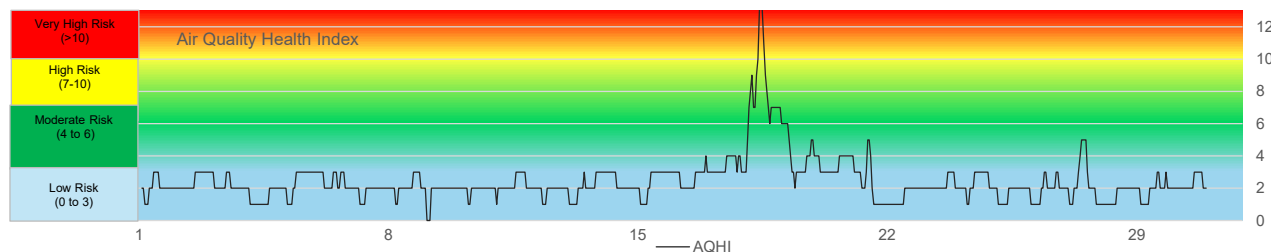
- * All data has been zero drift, and baseline corrected, if needed. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards except for one 24-hour H₂S exceedances and 2 one-hour H₂S exceedances.
- * All compliance gas parameters were less than 90% operational for the month.
- * The NO₂ analyzer was removed on December 17, 2024 for service and maintenance.
- * The shelter temperature fluctuated significantly between 22°C and 44°C during the monitoring period, indicating a malfunction in the HVAC system. These extreme temperature variations likely affected sensor stability, potentially causing the observed H₂S exceedances. As a result, all data from this period have been flagged as questionable and are provided here for reference purposes only, as they may not reflect actual ambient conditions. The system was shut down due to high temperatures on July 4, 2025.
- * 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.
- * Quarterly calibrations were completed on May 28, 2025.



WYAMZ Meadow Lake Station - July 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	0.1	94.2%	0.7	29-Jul	-	-	7.4	7/29/2025 7:00 AM	-	-
NO ₂	ppb	0.8	94.2%	2.2	18-Jul	106	0	8.2	7/16/2025 7:00 AM	159	0
NO _x	ppb	0.7	94.2%	2.3	29-Jul	-	-	14.9	7/29/2025 7:00 AM	-	-
O ₃	ppb	28.6	94.2%	50.4	18-Jul	124 (8 hours)	0	52.1	7/18/2025 3:00 PM	82	0
PM _{2.5}	µg/m ³	18.3	98.3%	129.6	18-Jul	28	4	256.5	7/18/2025 11:00 AM	-	-

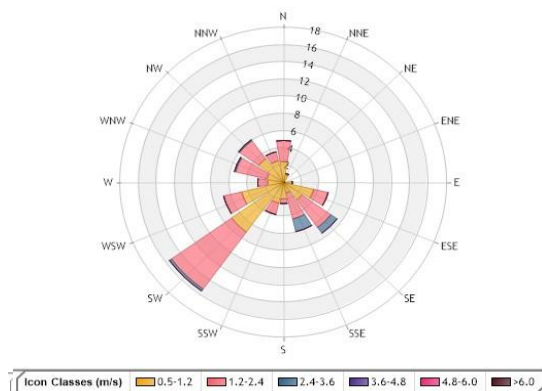
SAAQS: Saskatchewan Ambient Air Quality Standards



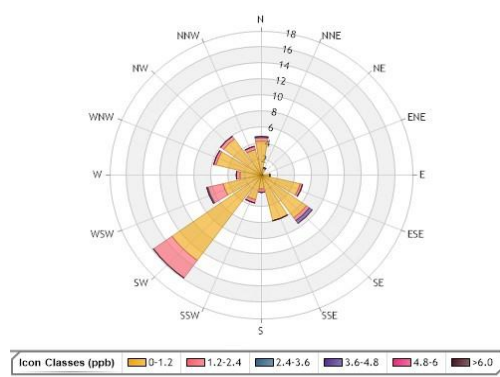
Exceedance Summary

24-hour Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NO _x	O ₃	PM _{2.5}
PM _{2.5}	17-Jul	31.2	0.5	166.6	0.0	0.1	1.4	1.3	32.5	31.2
PM _{2.5}	18-Jul	129.6	0.8	164.3	0.0	0.1	2.2	1.9	35.6	129.6
PM _{2.5}	19-Jul	45.3	1.2	102.8	0.0	0.0	0.4	0.2	35.8	45.3
PM _{2.5}	20-Jul	32.3	0.7	91.0	0.0	0.0	0.4	0.1	36.0	32.3

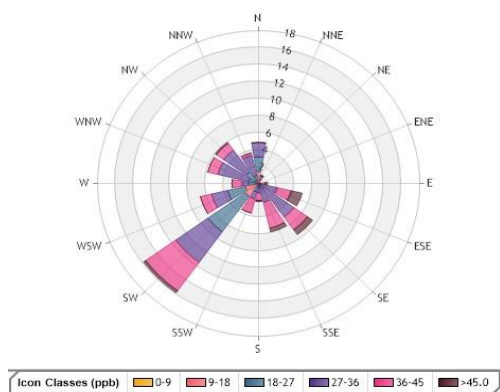
WYAMZ Meadow Lake Station - July 2025 Summary Report



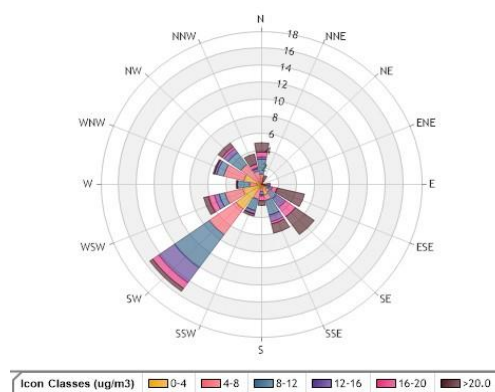
Wind Rose



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-W-1.2	1.2-W-2.4	2.4-W-3.6	3.6-W-4.8	4.8-W-6.0	W > 6.0	
NO ₂	ppb	0.0-C-1.2	1.2-C-2.4	2.4-C-3.6	3.6-C-4.8	4.80-C-6.0	C > 6.0	
O ₃	ppb	0.0-C-9.0	9.0-C-18.0	18.0-C-27.0	27.0-C-36.0	36.0-C-45.0	C > 45.0	
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 except for four 24-hour PM_{2.5} exceedances attributed to wildfire smoke in the area.
- * All compliance parameters were more than 90% operational for the month.
- * One hour of data was flagged for all gas analyzers due to daily IZS checks, resulting in the loss of one hour of data each day.
- * Quarterly calibrations were completed on May 27, 2025.

