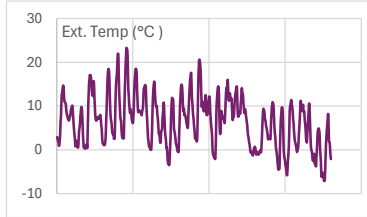
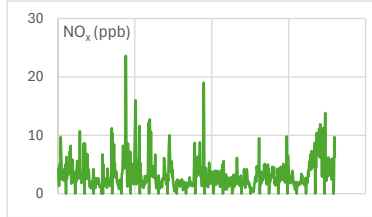
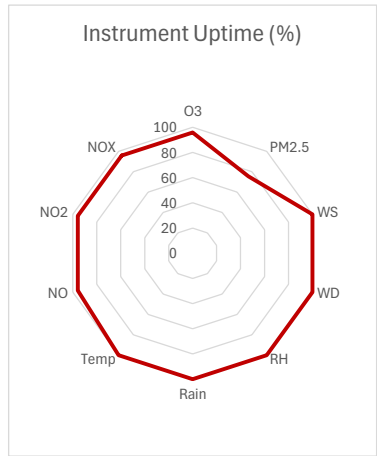
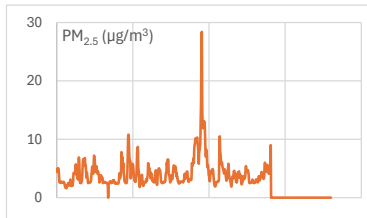
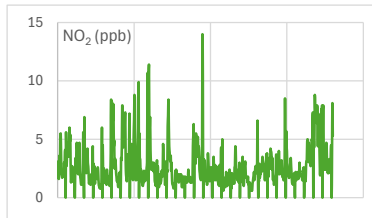
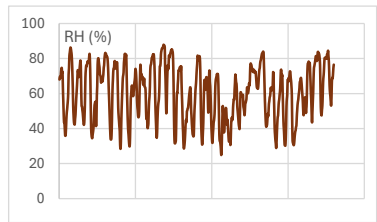
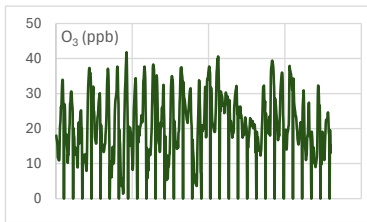
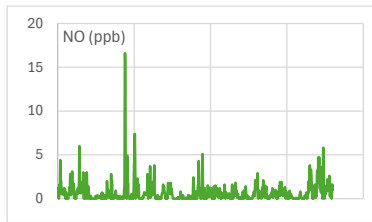
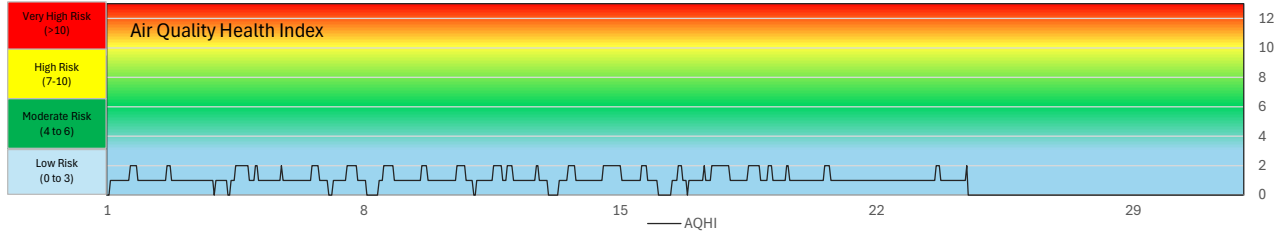


WYAMZ Clavet Station - October 2024 Summary Report

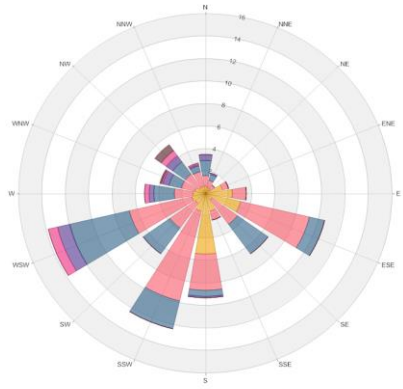
Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	0.7	95.8%	2.19	8-Oct	-	-	16.6	10/8/2024 08:00	-	-
NO ₂	ppb	2.8	95.8%	5.83	29-Oct	106	0	14	10/16/2024 19:00	159	0
NO _x	ppb	3.5	95.8%	8.00	29-Oct	-	-	23.6	10/8/2024 08:00	-	-
O ₃	ppb	21.8	95.8%	29.12	17-Oct	-	-	41.8	10/8/2024 17:00	82	0
PM _{2.5}	µg/m ³	4.2	75.4%	11.47	16-Oct	28	0	28.4	10/16/2024 21:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

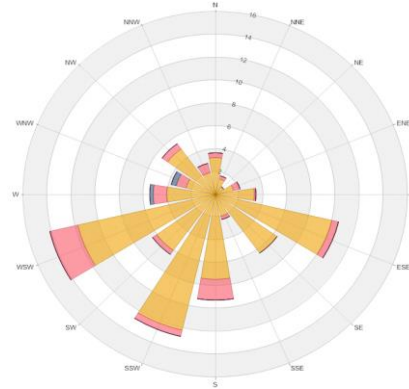


Exceedance Summary										
24-hour Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NO _x	O ₃	PM _{2.5}

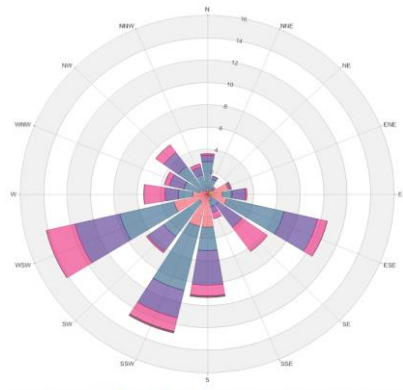
WYAMZ Clavet Station - October 2024 Summary Report



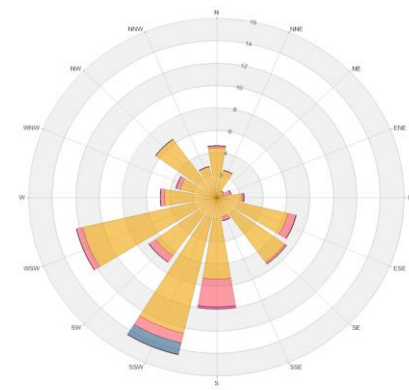
Wind Rose



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	0.0-C-6.0	6.0-C-12.0	12.0-C-18.0	18.0-C-24.0	24.0-C-30.0	> 30

Monthly Update

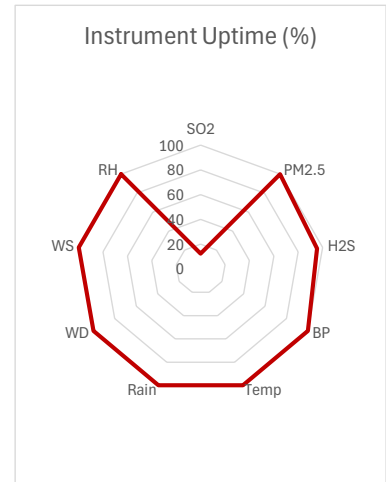
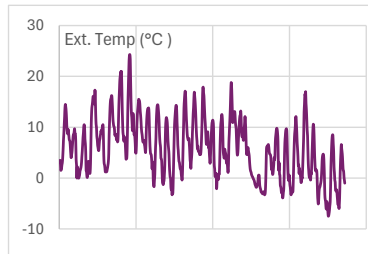
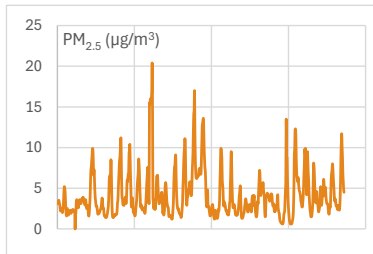
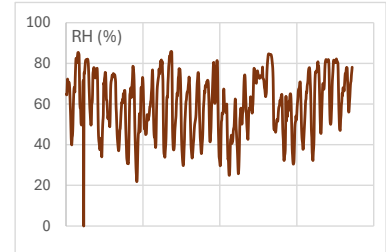
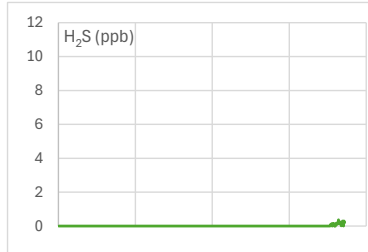
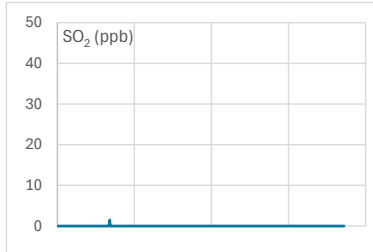
* All data has been zero drift and baseline corrected, if any. Data may change after final validation process.
 * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
 * All compliance parameters were more than 90% operational for the month, except for PM_{2.5}. Monitor removed on October 24, 2024 for repair.



WYAMZ Kerrobert Station - October 2024 Summary Report

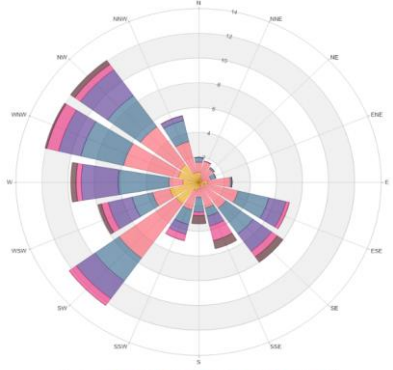
WYAMZ Kerrobert Station - October 2024 Summary Report											
Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
SO ₂	ppb	0	12.4%	0.00	1-Oct	48	0	1.5	10/6/2024 16:00	172	0
H ₂ S	ppb	0.0	95.4%	0.04	30-Oct	3.6	0	0.37	10/31/2024 08:00	11	0
PM _{2.5}	µg/m ³	4.2	99.9%	8.58	16-Oct	28	0	20.4	10/11/2024 06:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

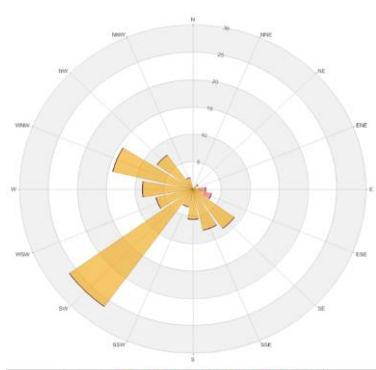


Exceedance Summary									
24-hour Exceedance Information				Summary of other Parameters during Exceedance					
Pollutant	Date	Conc.	WS	WD	Precip.	SO ₂	H ₂ S	PM _{2.5}	

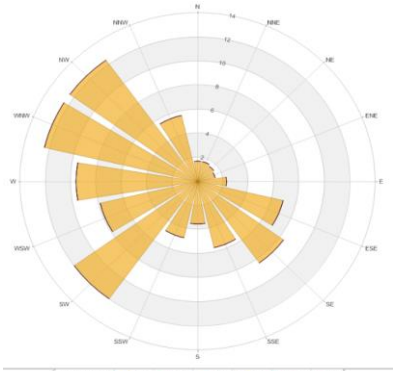
WYAMZ Kerrobert Station - October 2024 Summary Report



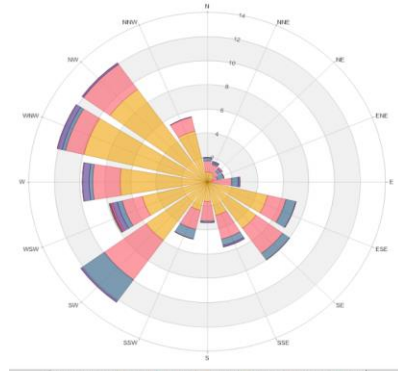
Wind Rose



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 - 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-0.8	0.8-C-1.6	1.6-C-2.4	2.4-C-3.2	3.2-C-4.0	C > 4.0
H ₂ S	ppb	0.0-C-0.8	0.8-C-1.6	1.6-C-2.4	2.4-C-3.2	3.2-C-4.0	C > 4.0
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

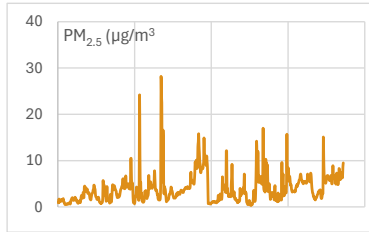
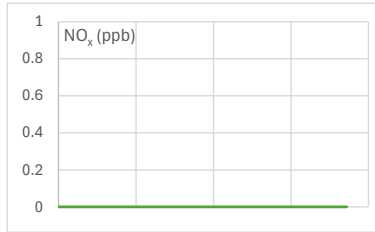
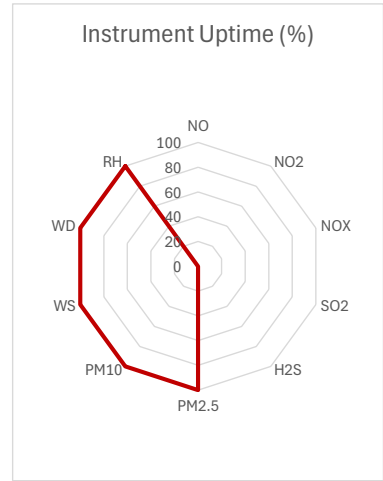
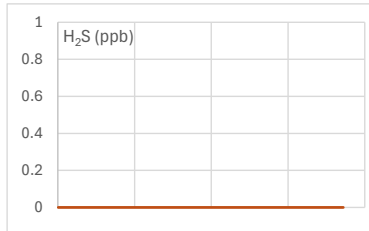
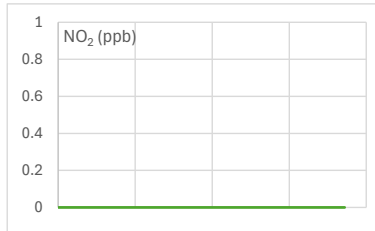
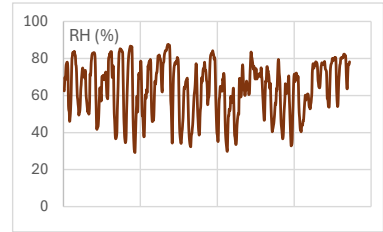
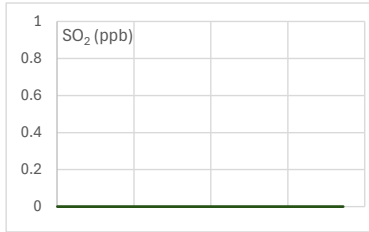
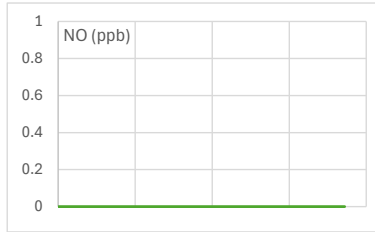
- * All data has been zero drift, and baseline corrected, if any. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance parameters were more than 90% operational for the month with the exception of SO₂ analyzer.
- * 652 hours of data flagged as "analyzer malfunctioning" for SO₂ analyzers due to missing and flatlined data.



WYAMZ Maidstone Station - October 2024 Summary Report

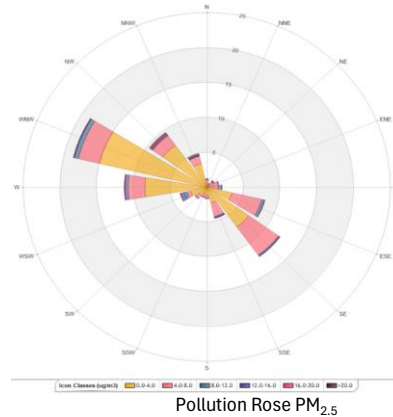
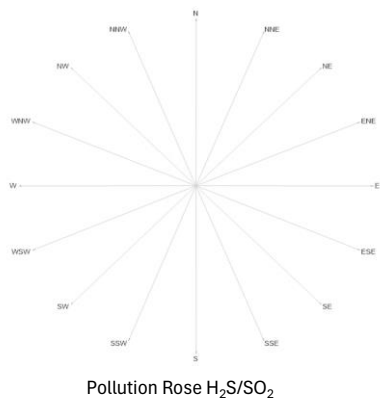
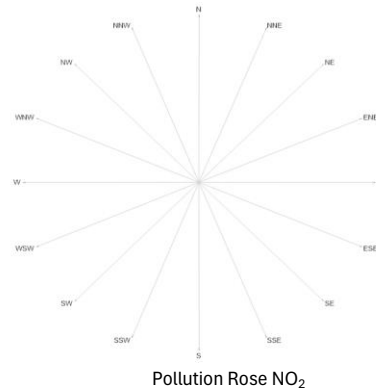
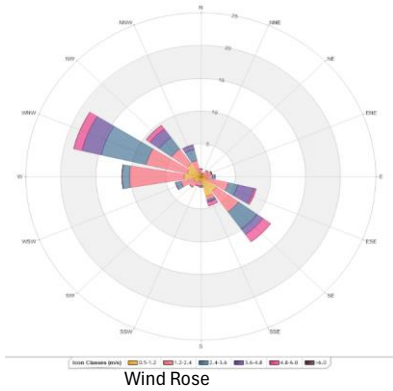
Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	No Data	0.0%	0.00	-	-	-	No Data	0	-	-
NO ₂	ppb	No Data	0.0%	0.00	-	106	0	No Data	0	159	0
NO _x	ppb	No Data	0.0%	0.00	-	-	-	No Data	0	-	-
SO ₂	ppb	No Data	0.0%	0.00	-	48	0	No Data	0	172	0
H ₂ S	ppb	No Data	0.0%	0.00	-	3.6	0	No Data	0	11	0
PM _{2.5}	µg/m ³	3.9	100.0%	10.22	16-Oct	28	0	28.2	10/12/2024 05:00	-	-

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	SO ₂	PM _{2.5}	

WYAMZ Maidstone Station - October 2024 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							
SO ₂	ppb							
H ₂ S	ppb							
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

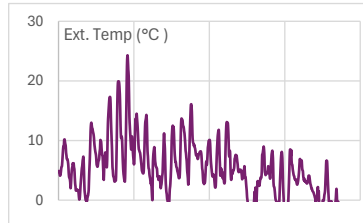
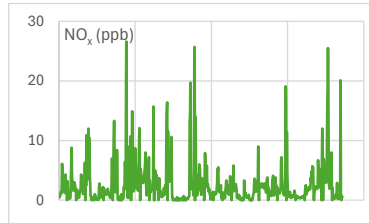
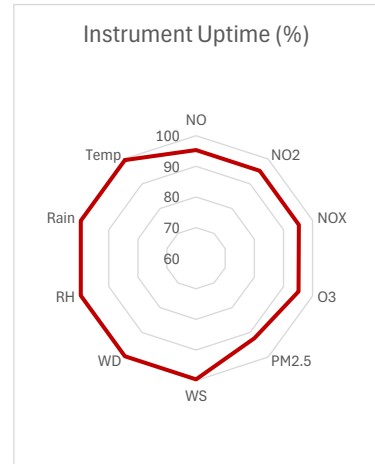
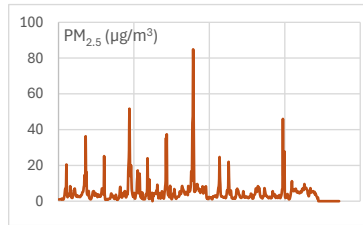
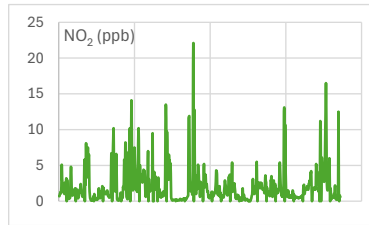
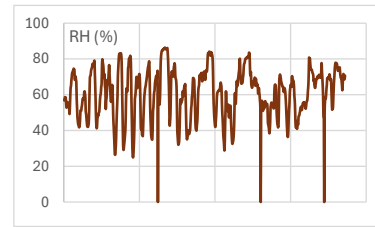
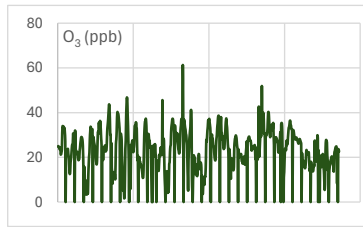
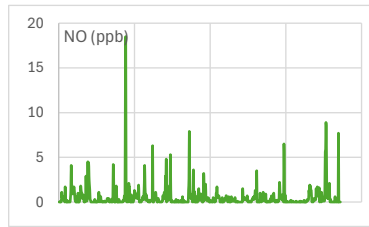
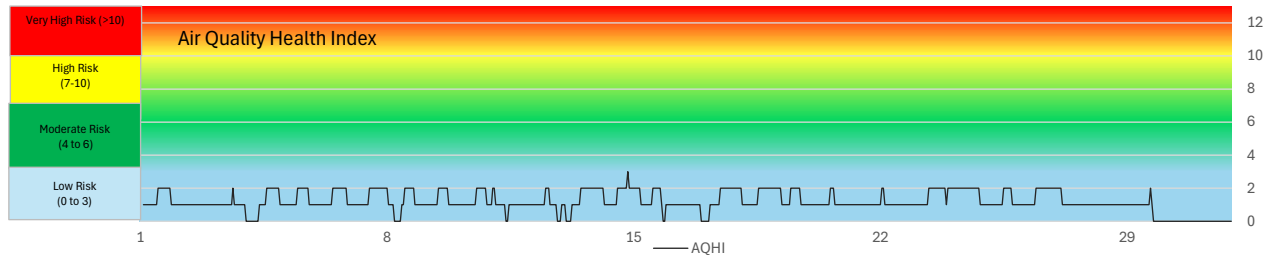
- * All data has been zero drift, and baseline corrected, if any. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance gas parameters were less than 90% operational for the month, due to power issues at the station.
- * H₂S/ SO₂ analyzer was removed from service. The date of the analyzer removal and current status of the analyzer is unknown.



WYAMZ Meadow Lake Station - October 2024 Summary Report

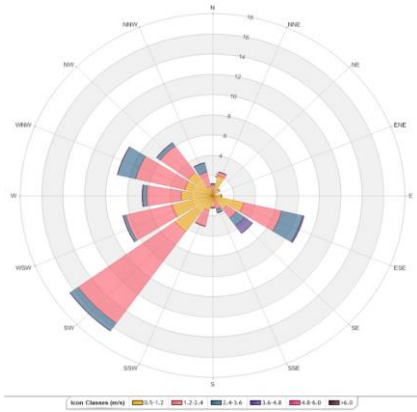
Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	0.5	95.3%	1.88	8-Oct	-	-	18.5	10/8/2024 09:00	-	-
NO ₂	ppb	2.2	95.3%	5.28	15-Oct	106	0	22.1	10/15/2024 20:00	159	0
NO _x	ppb	2.7	95.3%	6.31	15-Oct	-	-	26.6	10/8/2024 09:00	-	-
O ₃	ppb	24.2	95.2%	32.64	24-Oct	-	-	61.3	10/14/2024 19:00	82	0
PM _{2.5}	µg/m ³	5.1	92.3%	16.59	15-Oct	28	0	84.9	10/15/2024 21:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

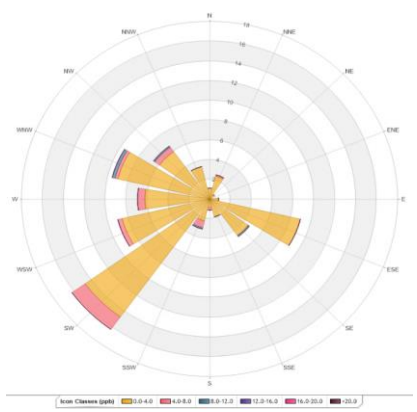


Exceedance Summary										
24-hour Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NO _x	O ₃	PM _{2.5}

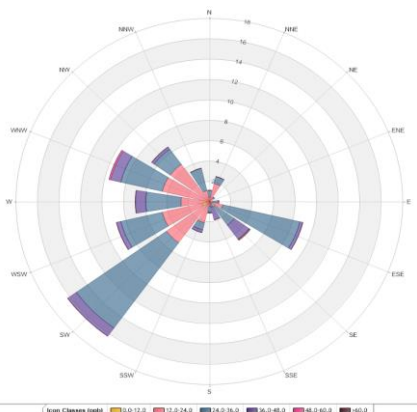
WYAMZ Meadow Lake Station - October 2024 Summary Report



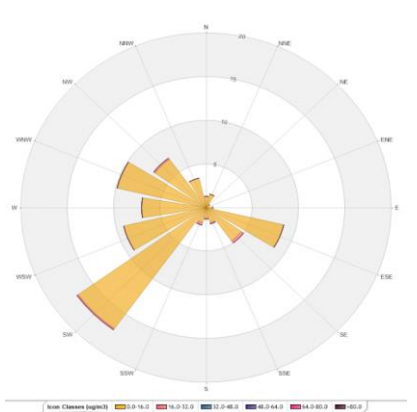
Wind Rose



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	WS > 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	C > 20	
O ₃	ppb	0.0-C-12.0	12.0-C-24.0	24.0-C-36.0	36.0-C-48.0	48.0-C-60.0	C > 60	
PM _{2.5}	µg/m ³	0.0-C-16.0	16.0-C-32.0	32.0-C-48.0	48.0-C-64.0	64.0-C-80.0	C > 80	

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 more than 90% operational for the month.

