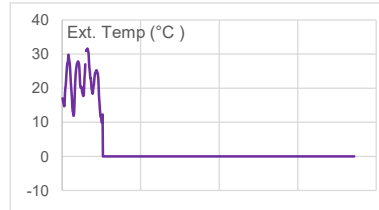
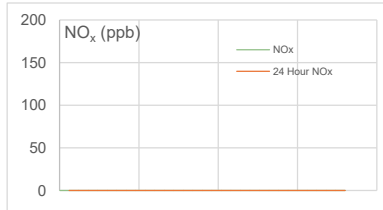
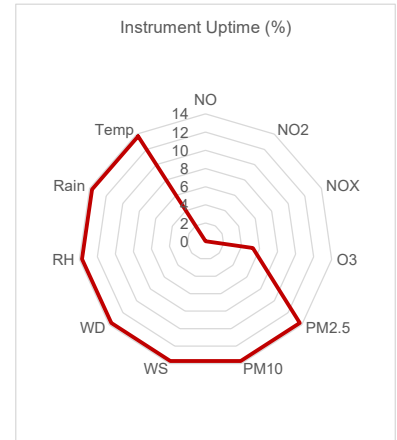
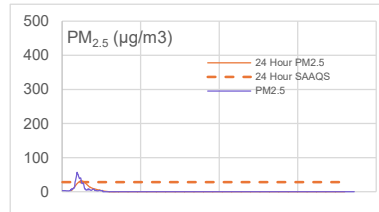
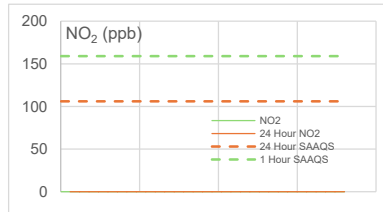
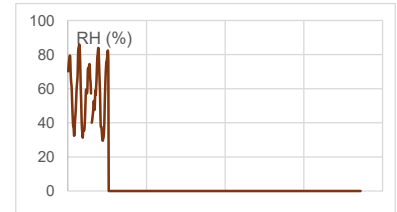
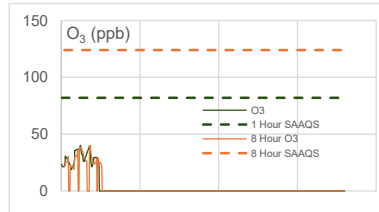
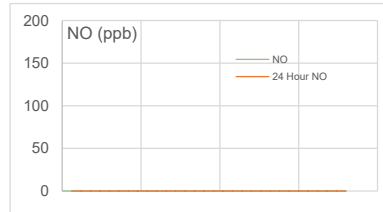
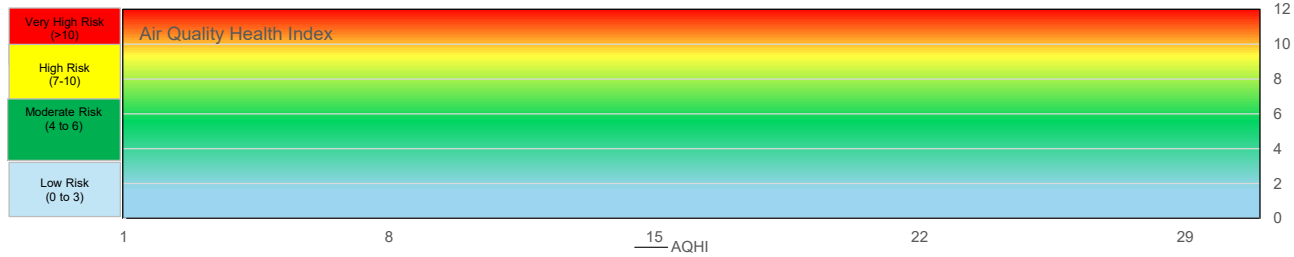


SESAA Esterhazy Station - July 2025 Summary Report

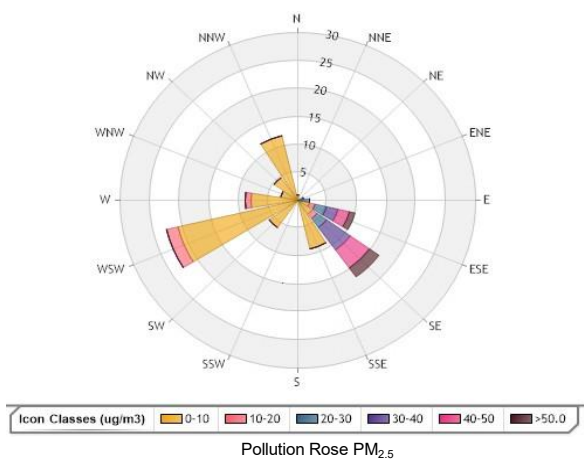
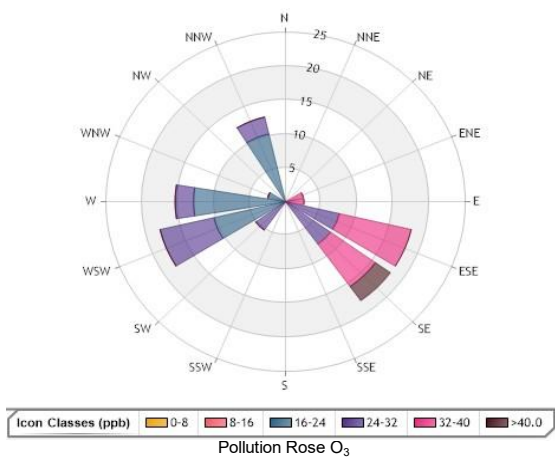
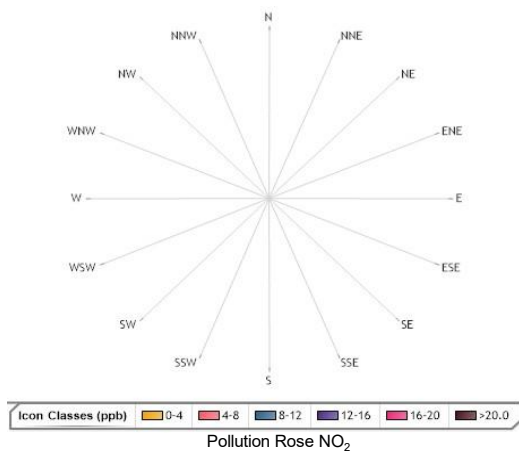
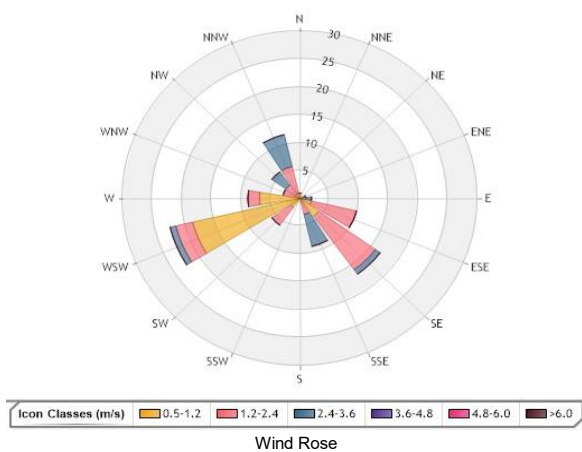
Pollutant		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS*	Exceedance Days	Maximum		SAAQS*	Exceed Hours
				Conc.	Date			Concentration	Date and Time		
NO	ppb	No Data	0.0%	0.0	-	-	-	No Data	NA	-	-
NO ₂	ppb	No Data	0.0%	0.0	-	106	0	No Data	NA	159	0
NO _x	ppb	No Data	0.0%	0.0	-	-	-	No Data	NA	-	-
O ₃	ppb	28	5.2%	39.9	7/4/2025	124 (8-Hour)	0	40.1	7/3/2025 1:00 AM	82	0
PM _{2.5}	µg/m ³	12.3	13.7%	31.8	7/2/2025	28	1	57	7/2/2025 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.	NO	NO ₂	NO _x	O ₃	PM _{2.5}
PM _{2.5}	2-Jul	31.8	1.2	166.3	0.0	<Samp	<Samp	<Samp	<Samp	31.8

SESAA Esterhazy Station - July 2025 Summary Report



Parameters	Unit	Color Code for Wind Speed and Pollutant Concentration 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-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	
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 > 40.0	
PM _{2.5}	µg/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	C > 50.0	

* Data referenced is raw data that has not undergone the full validation process due to shelter temperature concerns for all analyzers. System was shut down on July 5, 2025.

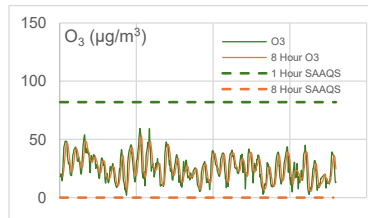
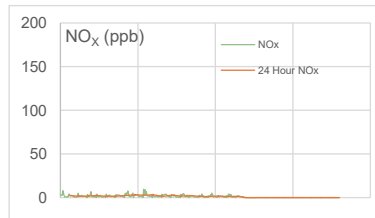
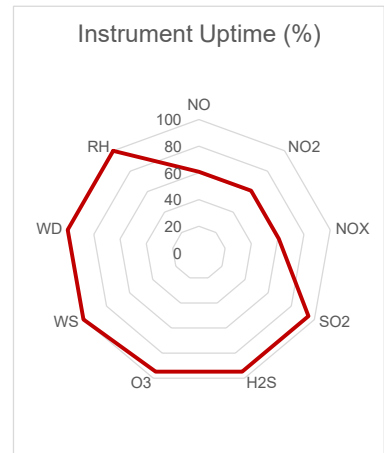
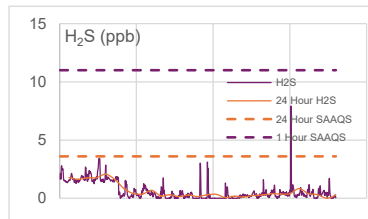
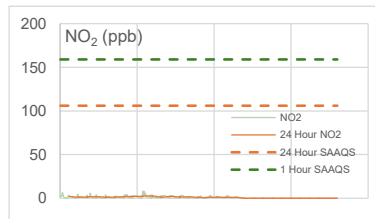
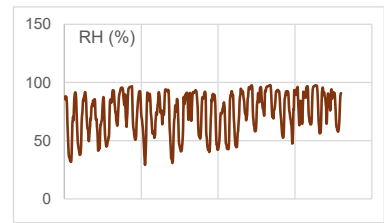
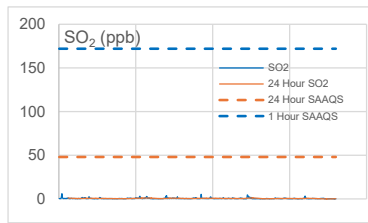
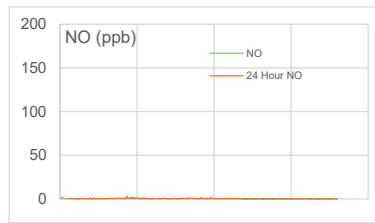
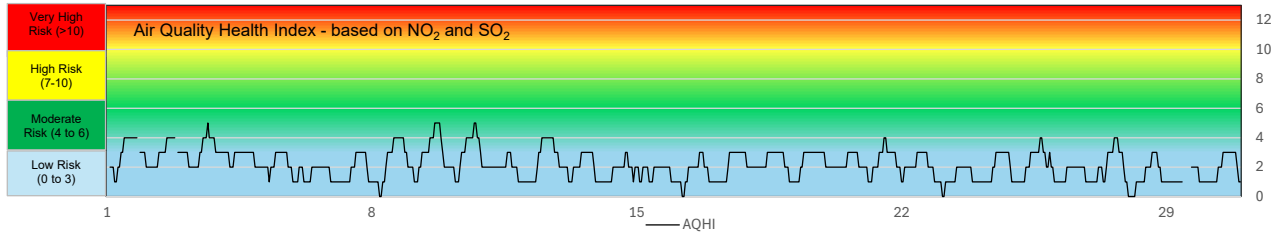
* Most recent quarterly calibrations were completed on April 26, 2025.



SESAA Glen Ewen Station - July 2025 Summary Report

Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS*	Exceedance Days	Maximum		SAAQS*	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	0.4	60.9%	1.02	7/8/2025	-	-	3.5	7/8/2025 6:00 AM	-	-
NO ₂	ppb	1.5	60.9%	2.68	7/10/2025	106	0	8.4	7/9/2025 11:00 PM	159	0
NO _x	ppb	2	60.9%	3.17	7/8/2025	-	-	9.6	7/9/2025 11:00 PM	-	-
SO ₂	ppb	0.6	94.9%	1.19	7/21/2025	48	0	6	7/1/2025 8:00 AM	172	0
H ₂ S	ppb	0.6	94.8%	2.06	7/5/2025	3.6	0	7.9	7/26/2025 3:00 AM	11	0
O ₃	ppb	25.3	94.8%	53.17	7/9/2025	124 (8 hours)	0	59.4	7/9/2025 5:00 PM	82	0

SAAQS: Saskatchewan Ambient Air Quality Standards



SESAA Glen Ewen Station - July 2025 Summary Report

Exceedance Summary

24-hour Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	H ₂ S	NO	NO ₂	NOx	SO ₂	O ₃



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	4.8 -C- 6.0	C > 6.0	
SO ₂	ppb	0.0 -C- 1.2	1.2 -C- 2.4	2.4 -C- 3.6	3.6 -C- 4.8	4.8 -C- 6.0	C > 6.0	
H ₂ S	ppb	0.0 -C- 1.2	1.2 -C- 2.4	2.4 -C- 3.6	3.6 -C- 4.8	4.8 -C- 6.0	C > 6.0	
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 > 40.0	

Monthly Update

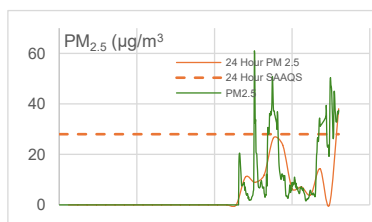
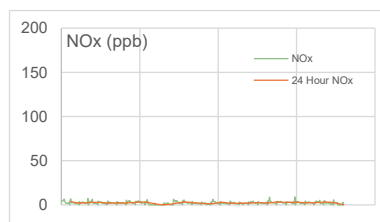
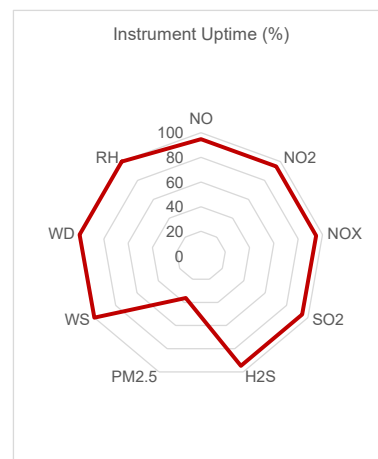
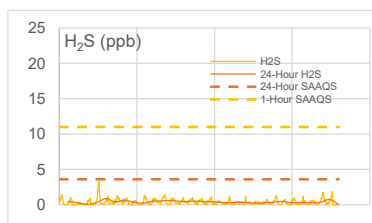
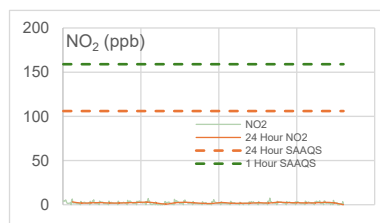
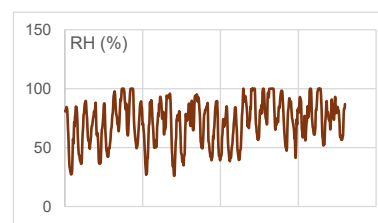
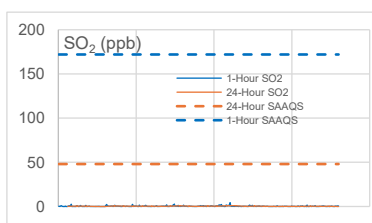
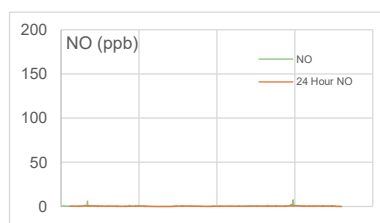
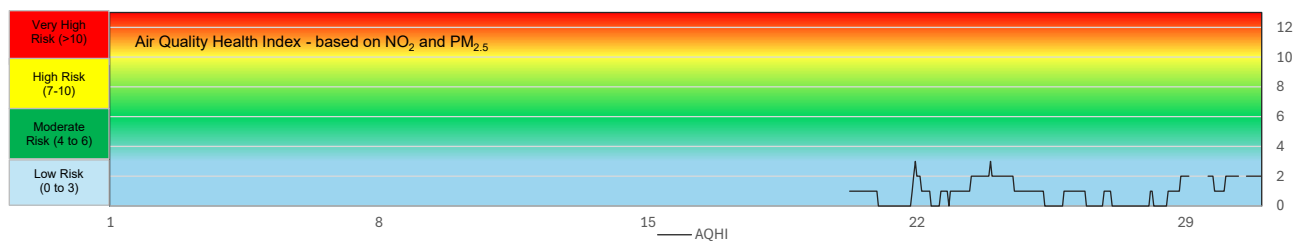
- * Quarterly calibrations were completed on July 29, 2025. Data prior to this date was not formally validated.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance parameters were greater than 90% operational for the month except for the NOx analyzer
- * 291 hours of NOx data has been flagged due to analyzer error.
- * 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.



SESAA Oxbow Station - July 2025 Summary Report

Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS*	Exceedance Days	Maximum		SAAQS*	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	0.3	94.8%	1.1	7/25/2025	-	-	7.6	7/25/2025 8:00 PM	-	-
NO ₂	ppb	2.1	94.8%	3.3	7/1/2025	106	0	7.5	7/23/2025 3:00 AM	159	0
NO _x	ppb	2.3	94.8%	3.6	7/1/2025	-	-	9.1	7/25/2025 8:00 PM	-	-
SO ₂	ppb	0.3	94.8%	0.9	7/19/2025	48	0	4.4	7/19/2025 9:00 AM	172	0
H ₂ S	ppb	0.4	94.8%	0.9	7/5/2025	3.6	0	3.3	7/5/2025 6:00 AM	11	0
PM _{2.5}	µg/m ³	17.5	36.2%	38.1	7/30/2025	28	2	61	7/21/2025 11:00 PM	-	-

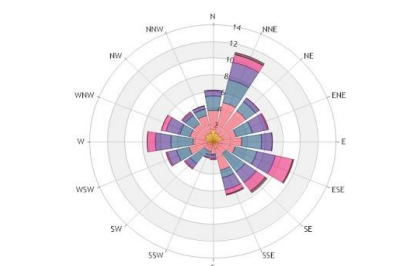
SAAQS: Saskatchewan Ambient Air Quality Standards



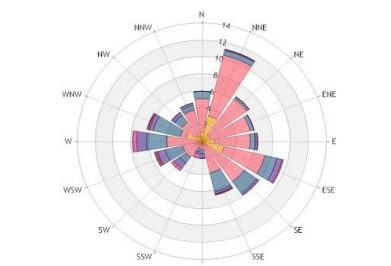
SESAA Oxbow Station - July 2025 Summary Report

Exceedance Summary

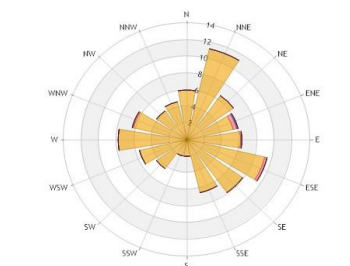
Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	H ₂ S	NO	NO ₂	NO _x	SO ₂	PM _{2.5}
PM _{2.5}	23-Jul	26.5	1.5	288.9	0.4	0.5	2.9	3.3	0.1	26.5
PM _{2.5}	30-Jul	38.1	2.6	57.1	<Samp	<Samp	<Samp	<Samp	<Samp	38.1



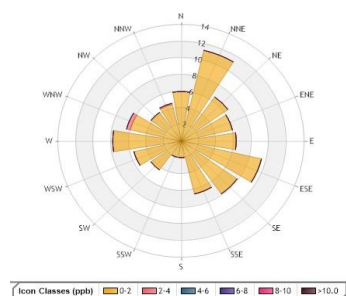
Wind Rose



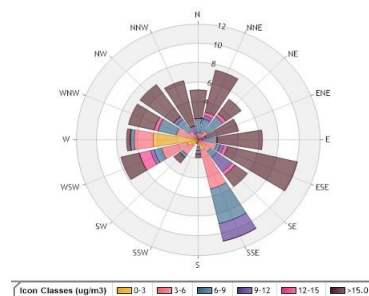
NO₂ Pollution Rose



SO₂ Pollution Rose



H₂S Pollution Rose



PM_{2.5} Pollution Rose

Parameters	Unit	Color Code for Wind Speed and Pollutant Concentration 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	4.8 -C- 6.0	C > 6.0
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 > 10.0
H ₂ S	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 > 10.0
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 > 15.0

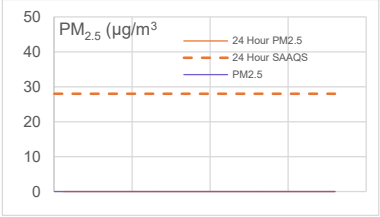
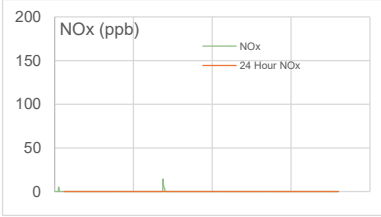
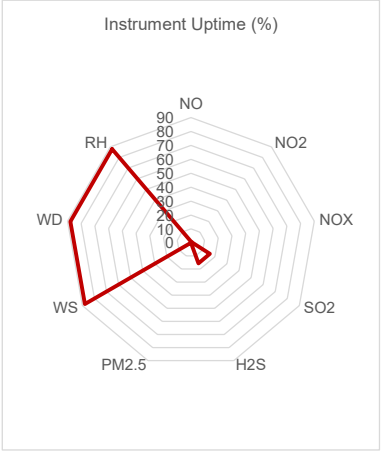
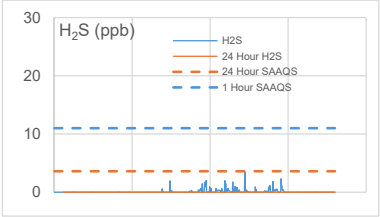
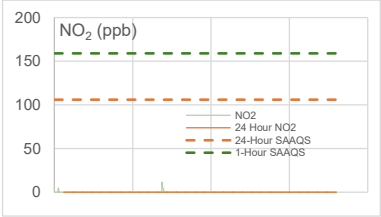
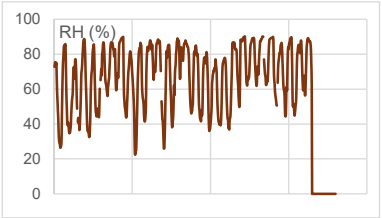
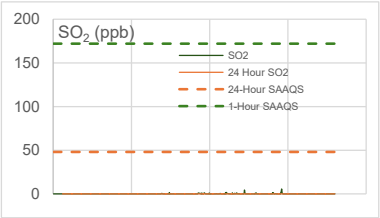
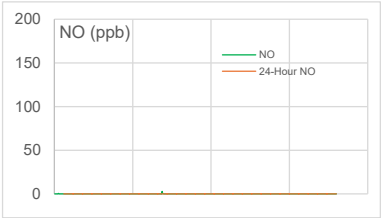
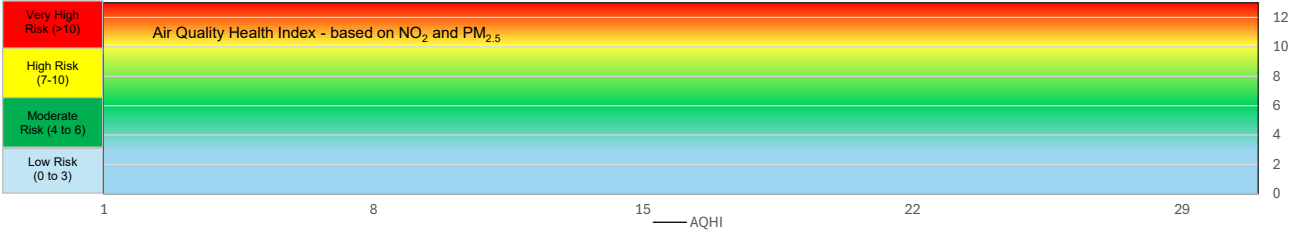
Monthly Update

- * 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 two 24-hour PM_{2.5} exceedances.
- * All compliance parameters were more than 90% operational for the month, except for PM_{2.5}
- * A total of 475 hours of PM_{2.5} data intermittent throughout the month were flagged as "analyzer malfunction," resulting in missing and flatlined data.
- * 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 July 29, 2025.



SESAA Stoughton Station - July 2025 Summary Report											
Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS*	Exceedance Days	Maximum		SAAQS*	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	0.8	0.9%	0.0	-	-	-	2.9	7/12/2025 11:00 AM	-	-
NO ₂	ppb	5.5	0.9%	0.0	-	106	0	11.7	7/12/2025 11:00 AM	159	0
NO _x	ppb	6.4	0.9%	0.0	-	-	-	14.5	7/12/2025 11:00 AM	-	-
SO ₂	ppb	0.4	15.7%	0.0	-	48	0	5.6	7/25/2025 8:00 AM	172	0
H ₂ S	ppb	0.5	15.7%	0.0	-	3.6	0	3.5	7/21/2025 9:00 AM	11	0
PM _{2.5}	µg/m ³	No Data	0.0%	0.0	-	28	0	No Data	-	-	-

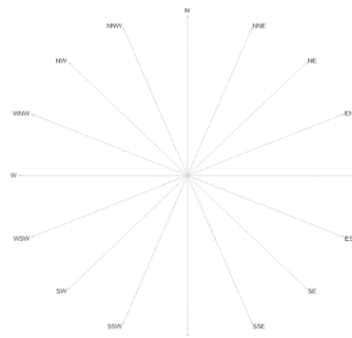
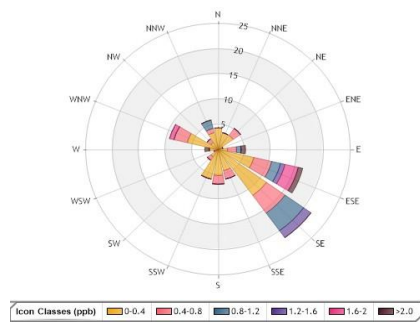
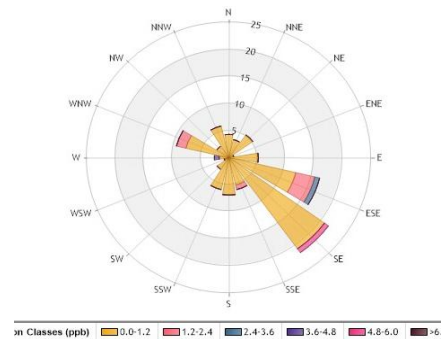
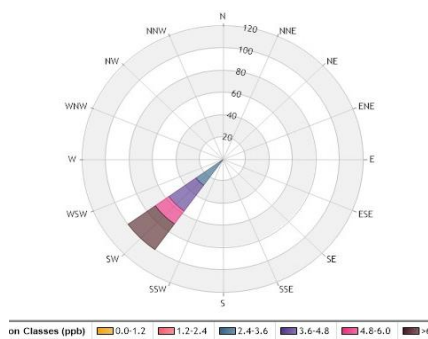
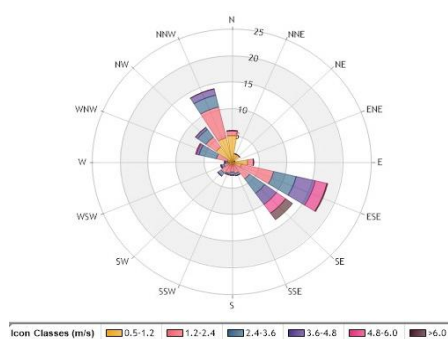
SAAQS: Saskatchewan Ambient Air Quality Standards



SESAA Stoughton Station - July 2025 Summary Report

Exceedance Summary

Exceedance Summary			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	H ₂ S	NO	NO ₂	NOx	SO ₂	PM _{2.5}



Parameters	Unit	Color Code for Wind Speed and Pollutant Concentration 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	4.8 -C- 6.0	C > 6.0	
SO ₂	ppb	0.0 -C- 1.2	1.2 -C- 2.4	2.4 -C- 3.6	3.6 -C- 4.8	4.8 -C- 6.0	C > 6.0	
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	N/A	N/A	N/A	N/A	N/A	N/A	

Monthly Update

* Data referenced is raw data that has not undergone the validation process due to internal span and zero inconsistencies as well as Intermittent shelter temperature fluctuations were observed in the shelter during the reporting period which affect the data integrity for all analyzers.

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

* All compliance parameters were less than 90% operational for the month.

* PM_{2.5} was removed from service in December 2024 for repair. Weather station was removed on July 28, 2025. System was shut down on July 31, 2025.

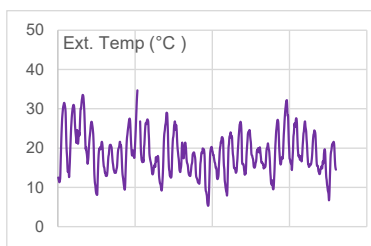
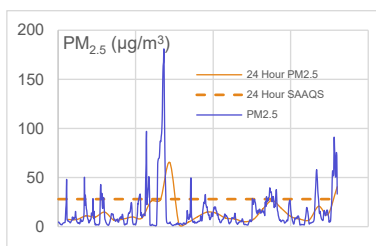
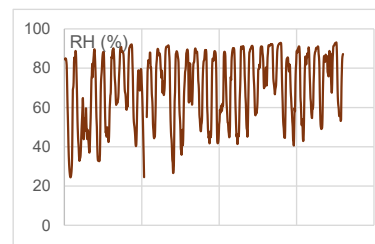
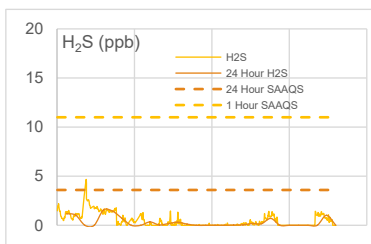
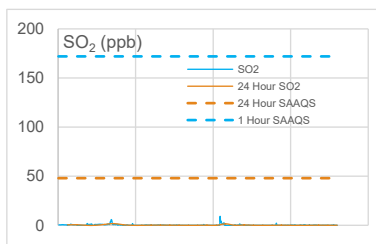
* Most recent quarterly calibrations were completed on April 22, 2025



SESAA Torquay Station - July 2025 Summary Report

Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS*	Exceedance Days	Maximum		SAAQS*	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
SO ₂	ppb	0.3	84.7%	1.8	7/6/2025	48	0	9.2	7/18/2025 10:00 AM	172	0
H ₂ S	ppb	0.6	74.7%	1.6	7/5/2025	3.6	0	4.6	7/4/2025 3:00 AM	11	0
PM _{2.5}	µg/m ³	15	99.3%	65.3	7/12/2025	28	2	181.0	7/12/2025 9:00 AM	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

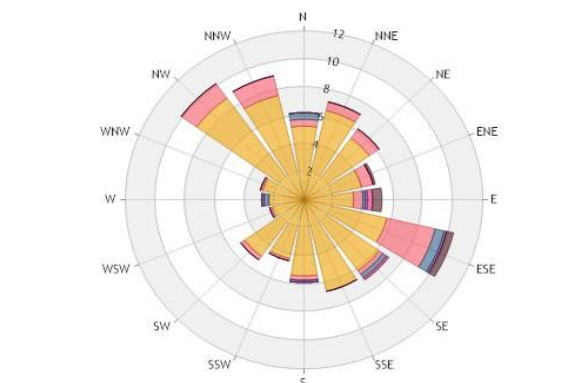


Exceedance Summary									
24-hour Exceedance Information				Summary of other Parameters during Exceedance					
Pollutant	Date	Conc.		WS	WD	Precip.	SO ₂	H ₂ S	PM _{2.5}
PM _{2.5}	12-Jul	65.3		2.0	232.3	0.0	0.1	0.2	65.3
PM _{2.5}	30-Jul	40.6		1.8	132.0	0.0	0.1	<Samp	40.6

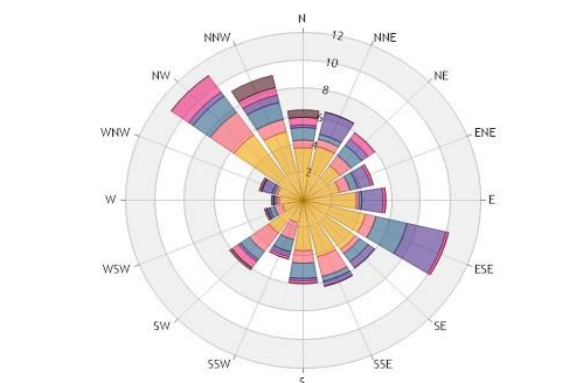
SESAA Torquay Station - July 2025 Summary Report



Wind Rose



Pollution Rose SO₂



Pollution Rose H₂S



Pollution Rose PM_{2.5}

Parameters	Unit	Color Code for Wind Speed and Pollutant Concentration 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	
SO ₂	ppb	0.0-C-0.6	0.6-C-1.2	1.2-C-1.8	1.8-C-2.4	2.4-C-3.0	C > 3.0	
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

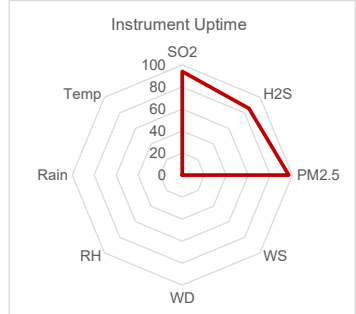
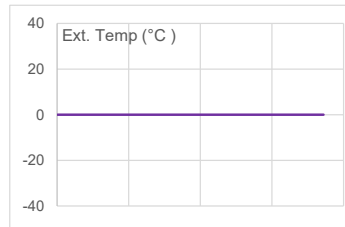
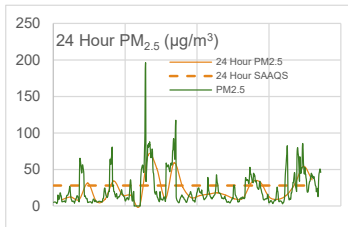
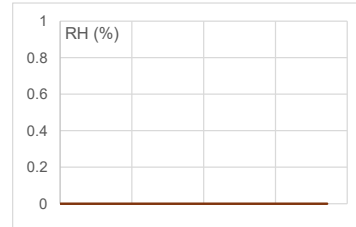
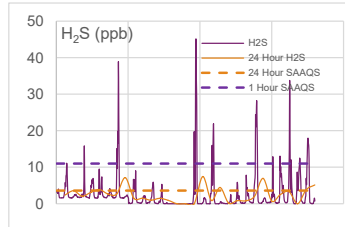
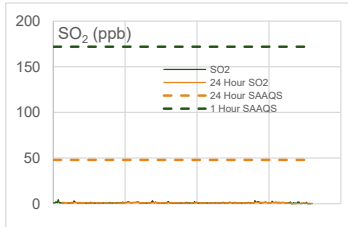
- * All data has been zero drift and baseline corrected, if needed. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards except for two, 24-hour PM_{2.5} exceedances.
- * All compliance parameters were less than 90% operational for the month except for PM_{2.5}.
- * H₂S monitor removed on July 30 due to analyzer errors. Due to the date being unknown for when the error originated, data is shown for reference purposes only.
- * A total of 85 hours of SO₂ data were lost due to instrument malfunction likely by elevated shelter temperatures. The high shelter temperatures also affected overall data integrity.
- * 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.
- * Most recent quarterly calibrations were completed on July 30, 2025.



SESAA Wauchope Station - July 2025 Summary Report

Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS*	Exceedance Days	Maximum		SAAQS*	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
SO ₂	ppb	1	94.1%	1.6	7/1/2025	48	0	4.5	7/1/2025 2:00 PM	172	0
H ₂ S	ppb	2.9	85.8%	7.4	7/17/2025	3.6	7	45.15	7/17/2025 5:00 AM	11	38
PM _{2.5}	µg/m ³	23.3	96.8%	69.7	7/11/2025	28	11	196.2	7/11/2025 5:00 PM	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Exceedance Summary (24-Hour Average)

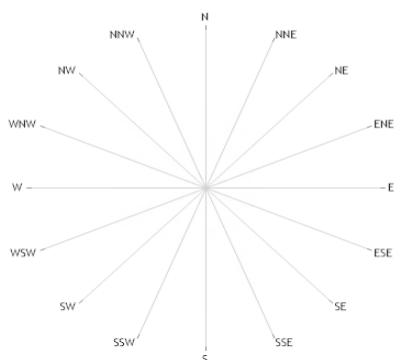
24-hour Exceedance Information			Summary of other Parameters during Exceedance						
Pollutant	Date	Conc.	WS	WD	Precip.	SO ₂	H ₂ S	PM _{2.5}	
PM _{2.5}	4-Jul	31.4	<Samp	<Samp	<Samp	1.0	3.1	31.4	
PM _{2.5}	7-Jul	34.1	<Samp	<Samp	<Samp	0.8	2.6	34.1	
PM _{2.5}	11-Jul	69.7	<Samp	<Samp	<Samp	0.8	1.0	69.7	
PM _{2.5}	12-Jul	51.4	<Samp	<Samp	<Samp	1.4	1.5	51.4	
PM _{2.5}	14-Jul	58.9	<Samp	<Samp	<Samp	1.2	<Samp	58.9	
PM _{2.5}	23-Jul	32.4	<Samp	<Samp	<Samp	1.1	2.0	32.4	
PM _{2.5}	24-Jul	32.5	<Samp	<Samp	<Samp	1.5	6.9	32.5	
PM _{2.5}	28-Jul	29.8	<Samp	<Samp	<Samp	<Samp	<Samp	29.8	
PM _{2.5}	29-Jul	54.3	<Samp	<Samp	<Samp	0.7	3.8	54.3	
PM _{2.5}	30-Jul	35.8	<Samp	<Samp	<Samp	0.3	5.1	35.8	
PM _{2.5}	31-Jul	34.0	<Samp	<Samp	<Samp	0.6	0.5	34.0	

SESAA Wauchope Station - July 2025 Summary Report

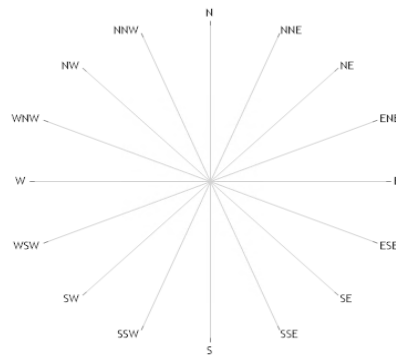
Exceedance Summary (24-Hour Average)								
24-hour Exceedance Information			Summary of other Parameters during Exceedance					
Pollutant	Date	Conc.	WS	WD	Precip.	SO ₂	H ₂ S	PM _{2.5}
H ₂ S	5-Jul	3.9	<Samp	<Samp	<Samp	0.9	3.9	6.2
H ₂ S	8-Jul	7.1	<Samp	<Samp	<Samp	0.9	7.1	15.3
H ₂ S	17-Jul	7.4	<Samp	<Samp	<Samp	1.1	7.4	14.3
H ₂ S	19-Jul	4.5	<Samp	<Samp	<Samp	0.9	4.5	18.0
H ₂ S	24-Jul	6.9	<Samp	<Samp	<Samp	1.5	6.9	32.5
H ₂ S	29-Jul	3.8	<Samp	<Samp	<Samp	0.7	3.8	54.3
H ₂ S	30-Jul	5.1	<Samp	<Samp	<Samp	0.3	5.1	35.8

Exceedance Summary (1-Hour Average)								
1-hour Exceedance Information			Summary of Other Parameters During Exceedance					
Pollutant	Date and Time	Conc.	WS	WD	Precip.	SO ₂	H ₂ S	PM _{2.5}
H ₂ S	7/2/25 5:00	11.1	<Samp	<Samp	<Samp	0.9	11.1	6.1
H ₂ S	7/4/25 6:00	15.8	<Samp	<Samp	<Samp	0.9	15.8	<Samp
H ₂ S	7/8/25 1:00	15.1	<Samp	<Samp	<Samp	0.7	15.1	19.6
H ₂ S	7/8/25 3:00	19.8	<Samp	<Samp	<Samp	0.8	19.8	16.2
H ₂ S	7/8/25 4:00	16.6	<Samp	<Samp	<Samp	0.7	16.6	15.4
H ₂ S	7/8/25 5:00	38.9	<Samp	<Samp	<Samp	0.8	38.9	12.4
H ₂ S	7/8/25 6:00	24.4	<Samp	<Samp	<Samp	0.6	24.4	13.5
H ₂ S	7/8/25 7:00	12.0	<Samp	<Samp	<Samp	0.8	12.0	14.9
H ₂ S	7/17/25 0:00	19.7	<Samp	<Samp	<Samp	0.7	19.7	15.9
H ₂ S	7/17/25 4:00	40.5	<Samp	<Samp	<Samp	0.8	40.5	8.5
H ₂ S	7/17/25 5:00	45.2	<Samp	<Samp	<Samp	0.7	45.2	7.1
H ₂ S	7/17/25 6:00	34.3	<Samp	<Samp	<Samp	0.8	34.3	7.5
H ₂ S	7/17/25 7:00	28.7	<Samp	<Samp	<Samp	0.8	28.7	7.3
H ₂ S	7/19/25 1:00	14.8	<Samp	<Samp	<Samp	0.8	14.8	19.9
H ₂ S	7/19/25 2:00	16.0	<Samp	<Samp	<Samp	0.8	16.0	18.2
H ₂ S	7/19/25 4:00	12.2	<Samp	<Samp	<Samp	0.8	12.2	14.4
H ₂ S	7/19/25 5:00	18.9	<Samp	<Samp	<Samp	0.8	18.9	12.9
H ₂ S	7/19/25 6:00	21.9	<Samp	<Samp	<Samp	0.7	21.9	12.4
H ₂ S	7/19/25 7:00	11.1	<Samp	<Samp	<Samp	0.8	11.1	10.7
H ₂ S	7/24/25 3:00	24.4	<Samp	<Samp	<Samp	1.0	24.4	32.7
H ₂ S	7/24/25 4:00	21.1	<Samp	<Samp	<Samp	1.0	21.1	31.8
H ₂ S	7/24/25 5:00	24.0	<Samp	<Samp	<Samp	0.9	24.0	44.8
H ₂ S	7/24/25 6:00	28.3	<Samp	<Samp	<Samp	1.0	28.3	44.4
H ₂ S	7/24/25 7:00	22.6	<Samp	<Samp	<Samp	1.0	22.6	41.2
H ₂ S	7/24/25 8:00	15.1	<Samp	<Samp	<Samp	1.8	15.1	42.3
H ₂ S	7/26/25 3:00	12.9	<Samp	<Samp	<Samp	1.0	12.9	5.5
H ₂ S	7/26/25 23:00	13.0	<Samp	<Samp	<Samp	1.1	13.0	25.9
H ₂ S	7/28/25 1:00	15.3	<Samp	<Samp	<Samp	1.0	15.3	67.5
H ₂ S	7/28/25 2:00	33.8	<Samp	<Samp	<Samp	1.0	33.8	70.8
H ₂ S	7/28/25 3:00	17.1	<Samp	<Samp	<Samp	1.0	17.1	82.5
H ₂ S	7/28/25 6:00	12.0	<Samp	<Samp	<Samp	1.0	12.0	14.2
H ₂ S	7/29/25 6:00	12.5	<Samp	<Samp	<Samp	0.7	12.5	67.4
H ₂ S	7/30/25 3:00	13.3	<Samp	<Samp	<Samp	0.3	13.3	45.7
H ₂ S	7/30/25 4:00	17.6	<Samp	<Samp	<Samp	0.4	17.6	52.6
H ₂ S	7/30/25 5:00	18.0	<Samp	<Samp	<Samp	0.3	18.0	43.1
H ₂ S	7/30/25 6:00	16.6	<Samp	<Samp	<Samp	0.4	16.6	43.9
H ₂ S	7/30/25 7:00	15.9	<Samp	<Samp	<Samp	0.7	15.9	38.9
H ₂ S	7/30/25 8:00	12.4	<Samp	<Samp	<Samp	1.6	12.4	36.3

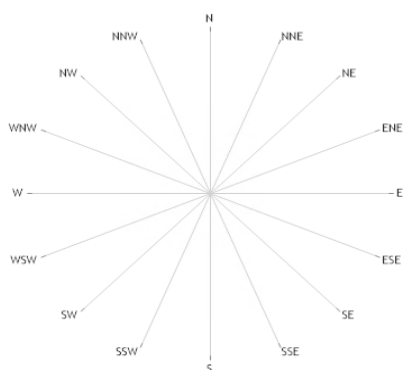
SESAA Wauchope Station - July 2025 Summary Report



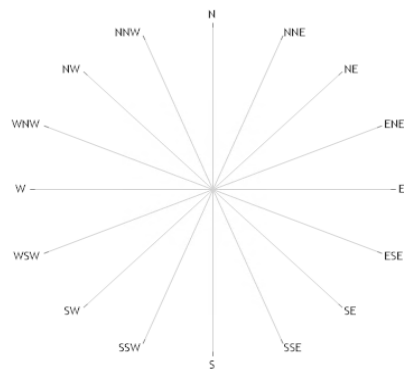
Wind Rose



Pollution Rose SO₂



Pollution Rose H₂S



Pollution Rose PM_{2.5}

Parameters	Unit	Color Code for Wind Speed and Pollutant Concentration Class					
Wind Speed	m/s	N/A	N/A	N/A	N/A	N/A	N/A
SO ₂	ppb	N/A	N/A	N/A	N/A	N/A	N/A
H ₂ S	ppb	N/A	N/A	N/A	N/A	N/A	N/A
PM _{2.5}	µg/m ³	N/A	N/A	N/A	N/A	N/A	N/A

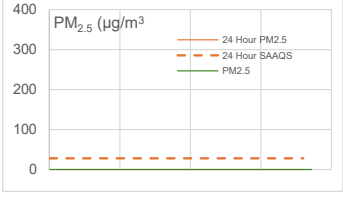
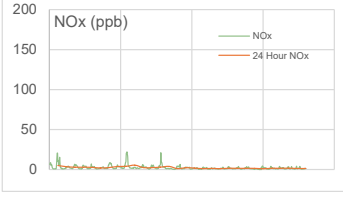
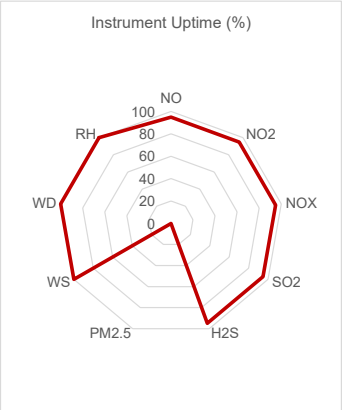
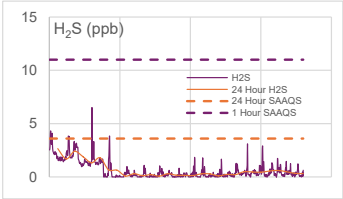
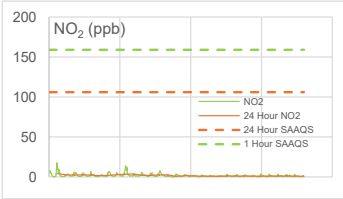
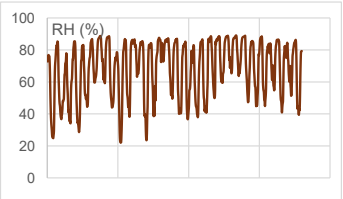
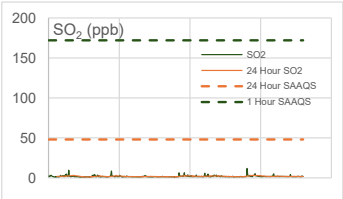
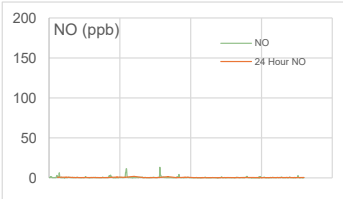
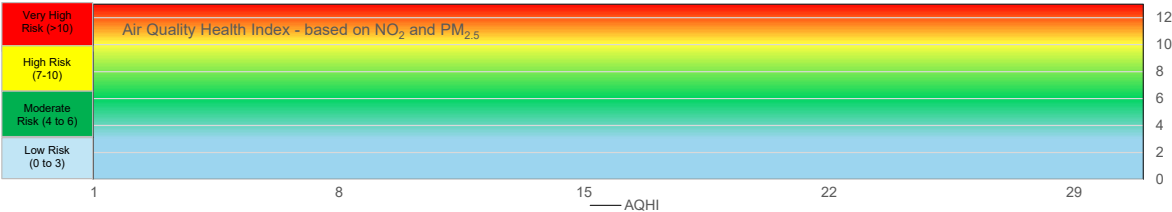
Monthly Update

- * All data has been zero baseline corrected, if any. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards with the exception of thirty-eight, one-hour H₂S exceedances, seven 24-hour H₂S exceedances and eleven 24-hour PM_{2.5} exceedances.
- * All compliance parameters were more than 90% operational for the month except for H₂S.
- * A total of 744 hours of data flagged as "analyzer failure" for WS/WD
- * A total of 64 hours of H₂S data was flagged as "analyzer error" for H₂S
- * 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.
- * Most recent quarterly calibrations were completed on July 28, 2025.



SESAA Weyburn Station - July 2025 Summary Report											
Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS*	Exceedance Days	Maximum		SAAQS*	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	0.5	94.9%	1.8	7/10/2025	-	-	13.3	7/14/2025 1:00 AM	-	-
NO ₂	ppb	1.8	94.9%	4.3	7/1/2025	106	0	17.8	7/1/2025 11:00 PM	159	0
NO _x	ppb	2.3	94.9%	5.4	7/10/2025	-	-	22.1	7/10/2025 2:00 AM	-	-
SO ₂	ppb	1.9	94.9%	3.0	7/24/2025	48	0	11.8	7/24/2025 9:00 AM	172	0
H ₂ S	ppb	0.7	94.9%	2.7	7/1/2025	3.6	0	8.8	7/31/2025 7:00 AM	11	0
PM _{2.5}	µg/m ³	No Data	0.0%	0.0	-	28	0	No Data	0	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



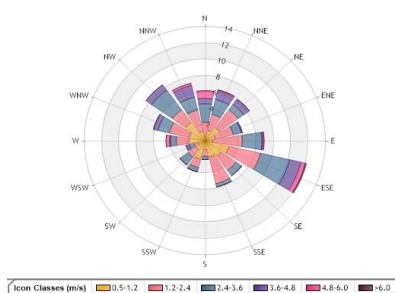
SESAA Weyburn Station - July 2025 Summary Report

Exceedance Summary (24-Hours Average)

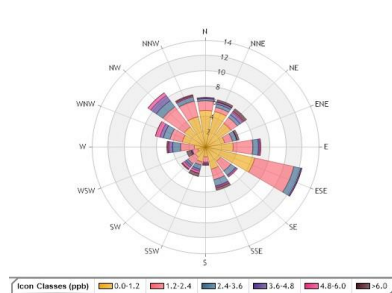
24-hours Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	H ₂ S	NO	NO ₂	NOx	SO ₂	PM _{2.5}

Exceedance Summary (1-Hour Average)

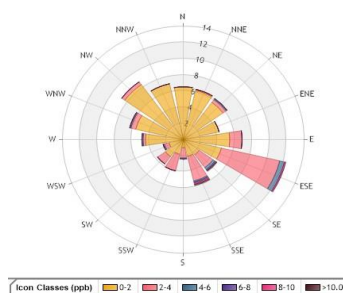
1-hour Exceedance Information				Summary of Other Parameters During Exceedance					
Pollutant	Date	Time	Conc.	WS	WD	Precip.	SO ₂	NO ₂	PM _{2.5}



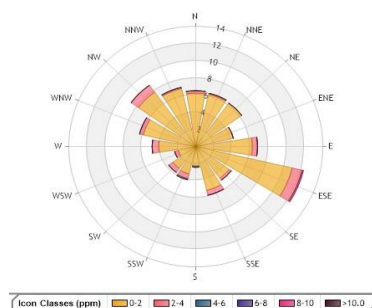
Wind Rose



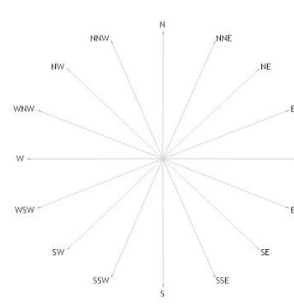
NO₂ Pollution Rose



SO₂ Pollution Rose



H₂S Pollution Rose



PM_{2.5} Pollution Rose

Parameters	Unit	Color Code for Wind Speed and Pollutant Concentration 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	4.8 -C- 6.0	C > 6.0
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 > 10.0
H ₂ S	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 > 10.0
PM _{2.5}	µg/m ³	NA	NA	NA	NA	NA	NA

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 Standard.
- * All compliance parameters were more than 90% operational for the month with the exception of PM_{2.5}.
- * 744 hours of PM_{2.5} data was invalidated due to analyzer error. The PM_{2.5} monitor was removed for repair.
- * 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.
- * The SO₂ permeation tube was depleted, and as a result, daily span checks were not included in the data process.
- * Most recent quarterly calibrations were completed on July 31, 2025

