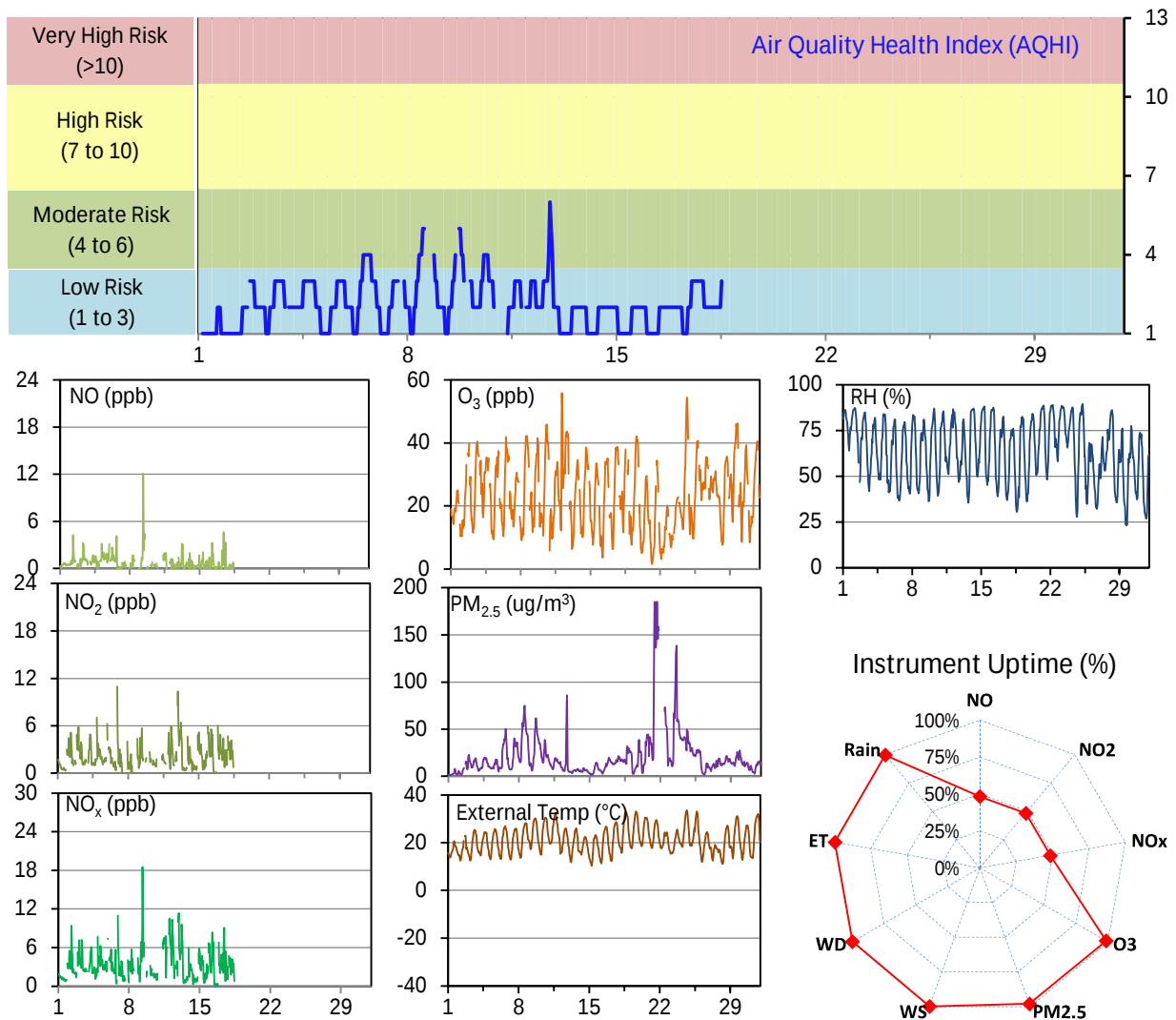


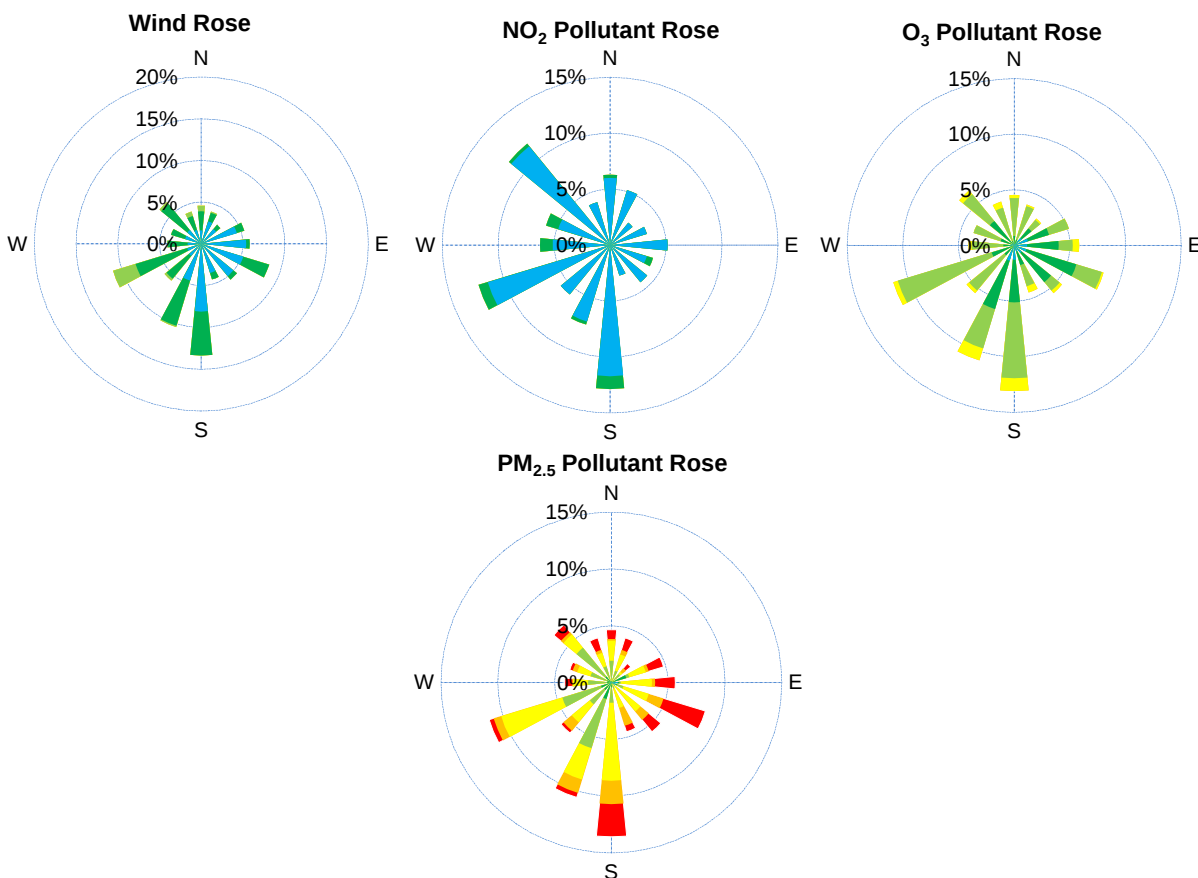
WYAMZ Clavet Station - July 2024 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.8	48.4%	1.5	Jul-5	-	-	12.1	Jul-09 08:00	-	-
NO ₂	ppb	2.1	48.4%	3.3	Jul-12	106	0	11.0	Jul-06 21:00	159	0
NO _x	ppb	3.3	48.4%	6.0	Jul-12	-	-	18.5	Jul-09 08:00	-	-
O ₃	ppb	23.3	98.7%	34.2	Jul-12	-	-	55.9	Jul-12 03:00	82	0
PM _{2.5}	ug/m3	20.8	98.0%	104.1	Jul-21	28	5	185.2	Jul-21 16:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



WYAMZ Clavet Station - July 2024 Summary Report



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	kph	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212
O ₃	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 60	60 ≤ C < 82	C ≥ 82
PM _{2.5}	ug/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30

Exceedance Summary											
24-hour Exceedance Information			Summary of Other Parameters During Exceedance								
Pollutant	Conc.	Exceedance Date	WS	WD	AQHI	Rain	NO	NO2	NOx	O3	PM2.5
		mmm-dd	kph	deg	-	mm	ppb	ppb	ppb	ppb	ug/m3
PM2.5	104.1	Jul-21	0.9	155.7	-	0.0	-	-	-	13.7	104.1
PM2.5	54.3	Jul-23	1.9	113.0	-	0.0	-	-	-	15.4	54.3
PM2.5	42.2	Jul-8	1.1	178.9	-	0.0	-	-	-	25.8	42.2
PM2.5	38.8	Jul-24	1.4	171.7	-	0.0	-	-	-	27.6	38.8
PM2.5	28.7	Jul-9	1.2	121.0	3	0.0	-	-	-	25.0	28.7

WYAMZ Clavet Station - July 2024 Summary Report

Monthly Update

*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards, with the exception of five 24-hour PM2.5 exceedances attributed to wildfire smoke in the area.

*All compliance parameters were more than 90% operational for the month, except for the NO/NO2/NOx analyzer.

*13 hours of data flagged as "analyzer failure" for PM2.5 due to flatlined data.

*3 hours of data flagged as "maintenance" for O3 due to the analyzer being affected by the removal calibration of NO/NO2/NOx.

*52 hours of data flagged as "analyzer failure" for NO/NO2/NOx due to large positive and negative spikes.

*319 hours of data flagged as "maintenance" for NO/NO2/NOx due to the analyzer being removed from service on July 18.

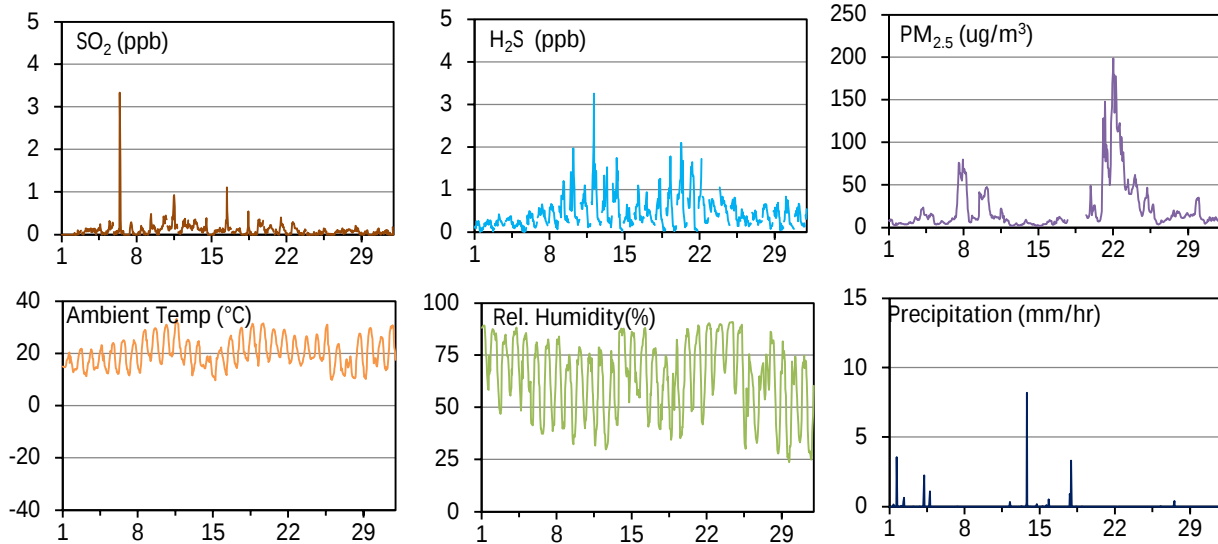
*Removal calibration for the NO/NO2/NOx analyzer occurred on July 18.

*2-5 hours of data flagged as "power failure" for the whole station due to a power issues.

WYAMZ Kerrobert Station - July 2024 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
SO ₂	ppb	0.1	99.9%	0.3	Jul-11	48	0	3.3	Jul-06 10:00	172	0
H ₂ S	ppb	0.5	99.7%	0.9	Jul-12	3.6	0	3.3	Jul-12 03:00	11	0
PM _{2.5}	ug/m3	21.6	94.4%	122.6	Jul-22	28	6	198.6	Jul-22 00:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Monthly Update

*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

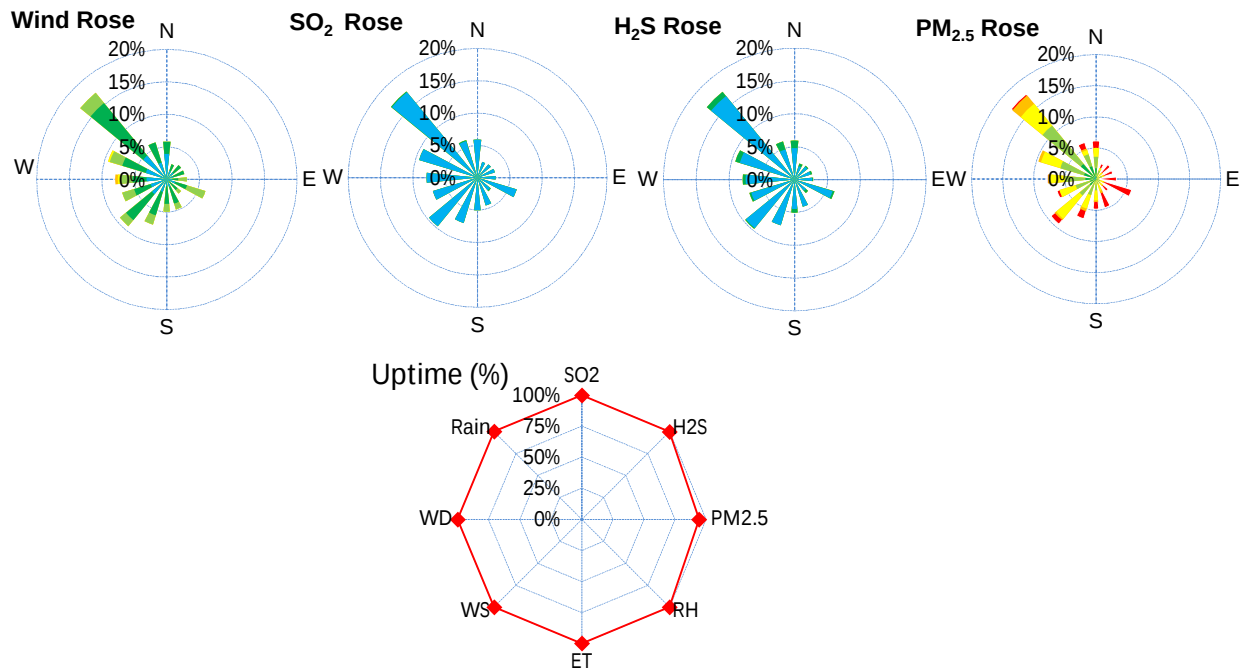
*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards except six 24-hour PM_{2.5} exceedances which can be attributed to wildfire smoke in the area.

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

*41 hours of data for PM_{2.5} flagged as "analyzer failure" due elevated concentrations causing a plateau.

*1-2 hours of data for the whole station flagged as "power failure" due to power supply issues on the site.

WYAMZ Kerrobert Station - July 2024 Summary Report



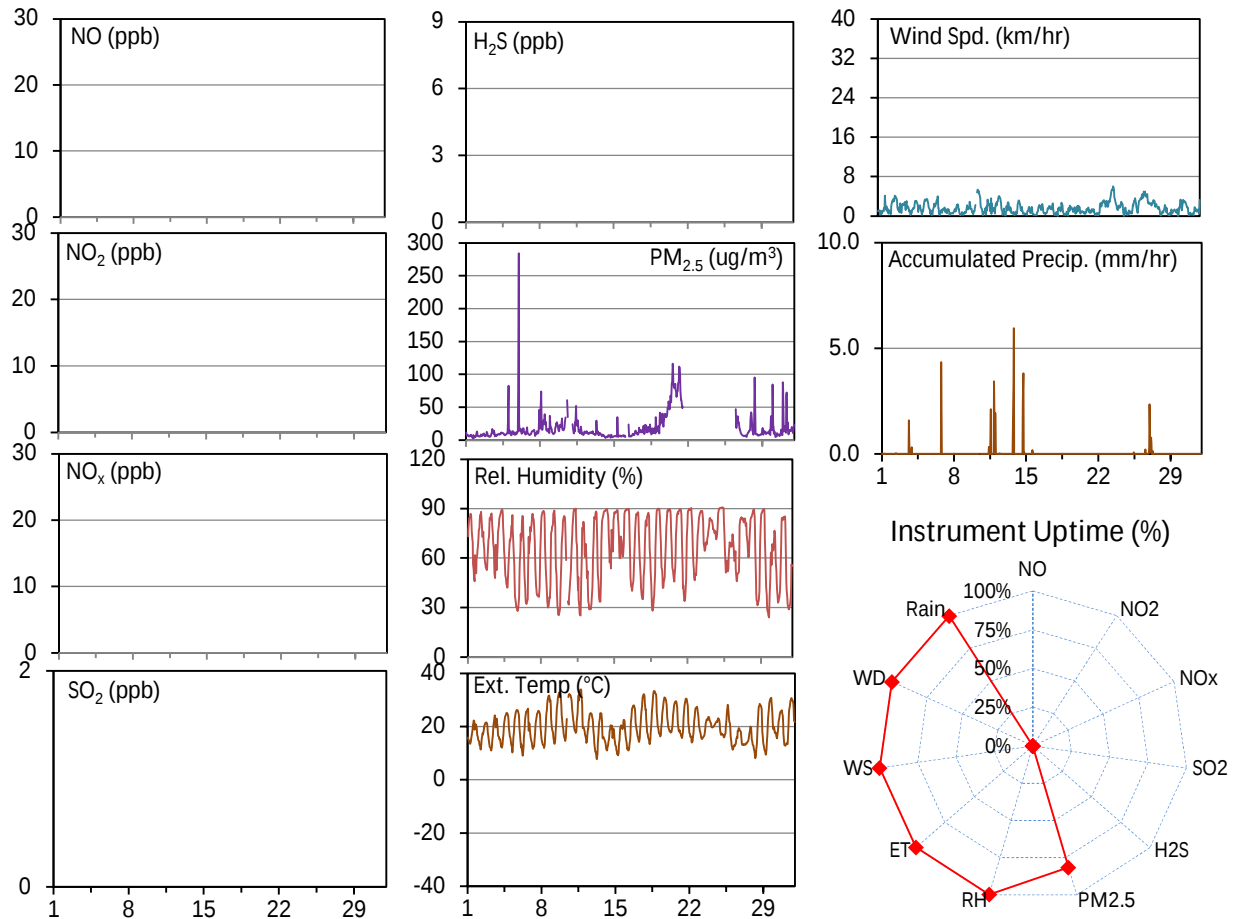
Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	kph	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$
SO ₂	ppb	$0 \leq C < 1$	$1 \leq C < 5$	$5 \leq C < 10$	$10 \leq C < 57$	$57 \leq C < 172$	$C \geq 172$
H ₂ S	ppb	$0 \leq C < 1$	$1 \leq C < 3.6$	$3.6 \leq C < 5$	$5 \leq C < 8$	$8 \leq C < 10.8$	$C \geq 10.8$
PM _{2.5}	ug/m ³	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$

Exceedance Summary (24-Hour Average)								
24-hour Exceedance Information			Summary of Other Parameters During Exceedance					
Pollutant	Conc. ppb	Exceedance Date mmm-dd	WS m/s	WD deg	Rain mm	ET C	SO ₂ ppb	PM _{2.5} ug/m3
PM2.5	122.6	Jul-22	2.5	111.3	0.0	21.2	-	122.6
PM2.5	100.1	Jul-21	0.7	143.0	0.0	23.7	0.1	100.1
PM2.5	47.3	Jul-23	4.7	108.2	0.0	20.2	-	47.3
PM2.5	42.0	Jul-7	1.2	255.2	0.0	18.6	-	42.0
PM2.5	32.0	Jul-24	2.2	126.1	0.0	21.1	-	32.0

WYAMZ Maidstone Station - July 2024 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	-	0.0%	< 0.1	-	-	-	< 0.1	-	-	-
NO ₂	ppb	-	0.0%	< 0.1	-	106	0	< 0.1	-	159	0
NO _x	ppb	-	0.0%	< 0.1	-	-	-	< 0.1	-	-	-
SO ₂	ppb	-	0.0%	< 0.1	-	48	0	< 0.1	-	172	0
H ₂ S	ppb	-	0.0%	< 0.1	-	3.6	0	< 0.1	-	11	0
PM _{2.5}	ug/m3	18.4	81.6%	71.3	Jul-20	28	2	284.3	Jul-05 23:00	-	-

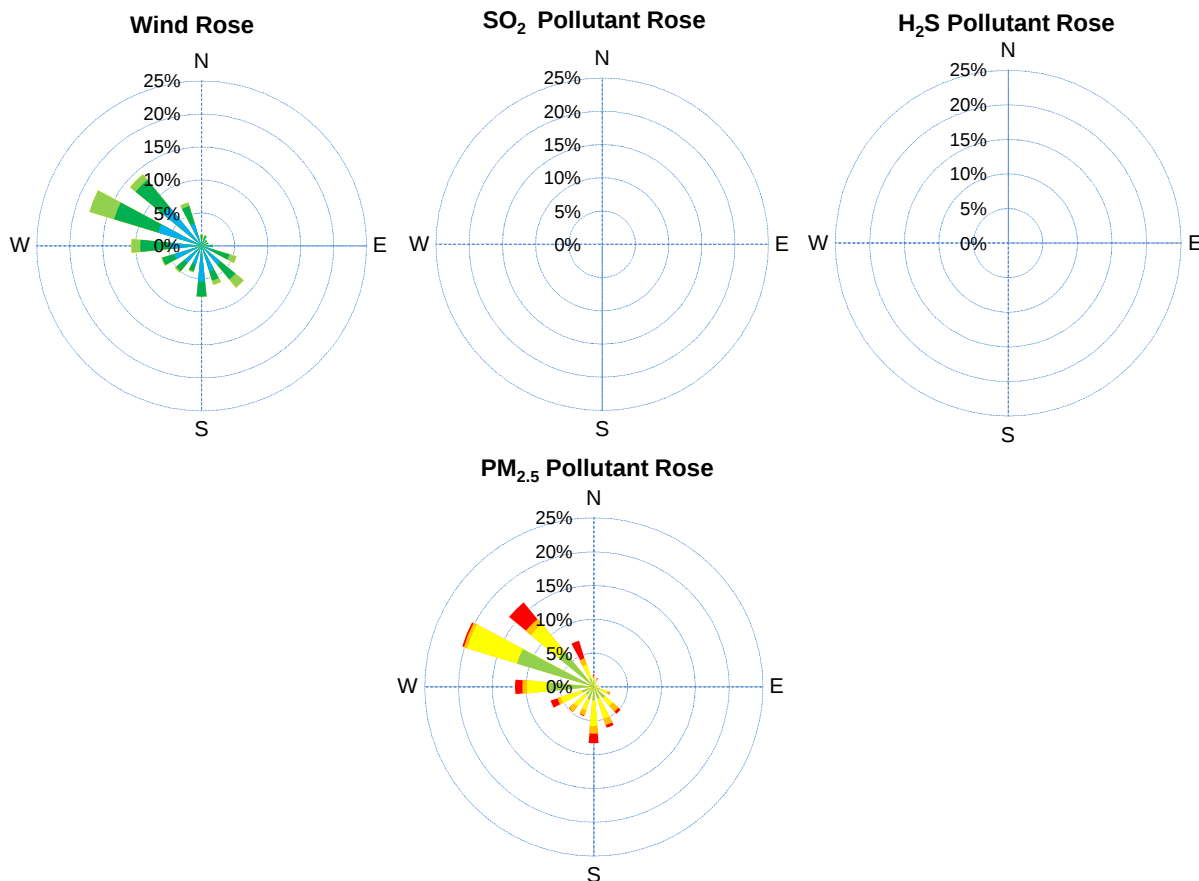
SAAQS: Saskatchewan Ambient Air Quality Standards



Monthly Update

- *All data has been slope, intercept, and baseline corrected. Data may change after validation process.
- *All compliance parameters were within the Saskatchewan Ambient Air Quality Standards with the exception of two 24-hour PM_{2.5} exceedances attributed to wildfire smoke in the area.
- *All compliance parameters were less than 90% operational.
- *All NO/NO_x/NO₂ data flagged as "analyzer failure" due to the removal of the analyzer from service on August 24th, 2023.
- *720 hours of SO₂ and H₂S data flagged as "analyzer failure" due to power issues on site and no instal calibration has been completed.
- *137 hours of PM_{2.5} and meteorological data flagged as "analyzer failure" due to flatlined missing data.

WYAMZ Maidstone Station - July 2024 Summary Report



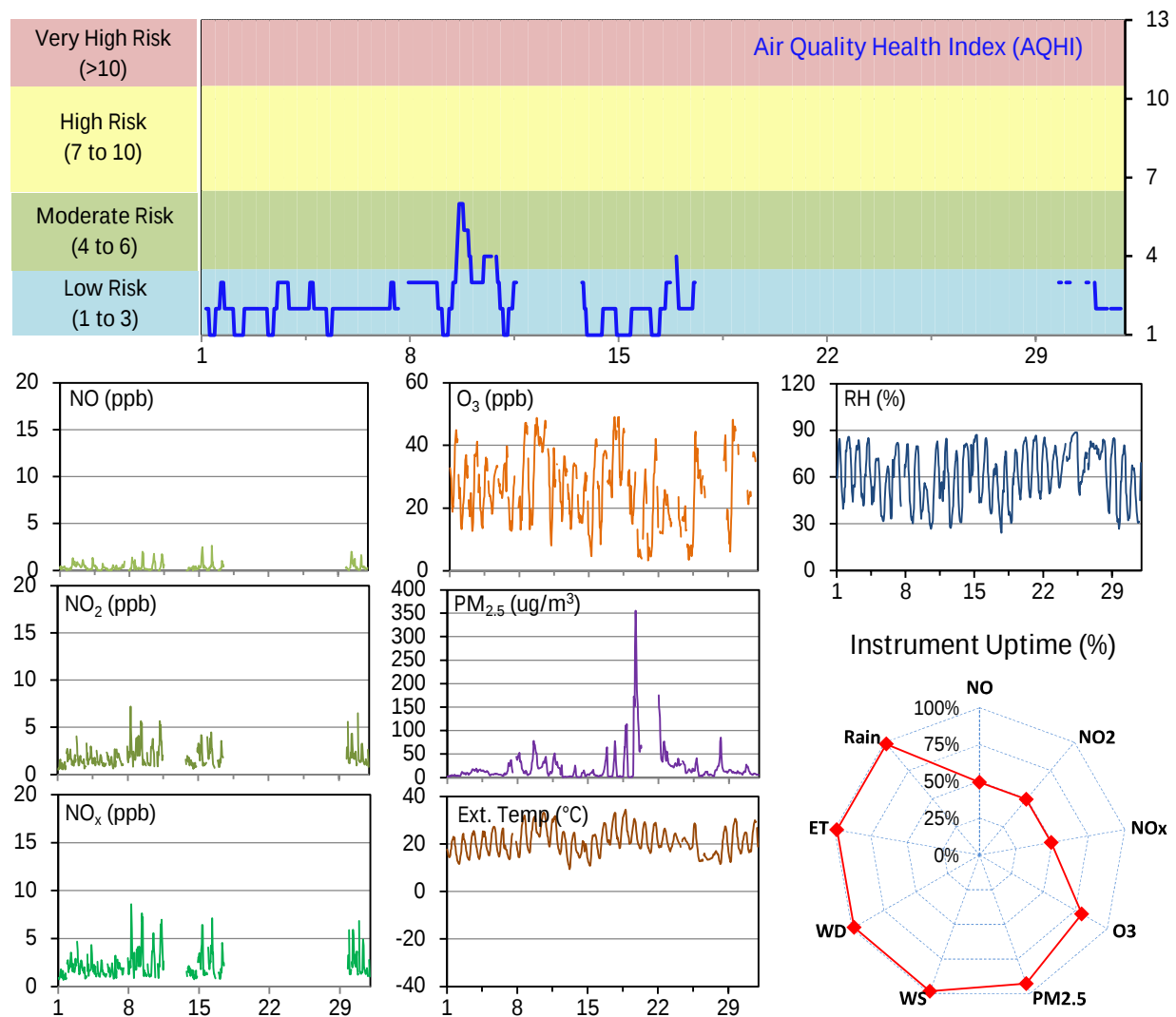
Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class						
Wind Speed	kph	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6	
SO ₂	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172	
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212	
H ₂ S	ppb	0 ≤ C < 1	1 ≤ C < 3.6	3.6 ≤ C < 5	5 ≤ C < 8	8 ≤ C < 10.8	C ≥ 10.8	
PM _{2.5}	ug/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30	

Exceedance Summary											
24-hour Exceedance Information			Summary of Other Parameters During Exceedance								
Pollutant	Conc.	Exceedance Date	WS	WD	AQI	Rain	ET	SO ₂	NO ₂	H ₂ S	PM _{2.5}
		mmm-dd	kph	deg	-	mm	C	ppb	ppb	ppb	ug/m3
PM2.5	28.5	Jul-19	1.1	253.5	-	0.0	23.8	-	-	-	28.5
PM2.5	71.3	Jul-20	1.0	293.4	-	0.0	23.0	-	-	-	71.3

WYAMZ Meadow Lake City Station - July 2024 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.4	49.3%	0.6	Jul-30	-	-	2.7	Jul-16 07:00	-	-
NO ₂	ppb	1.8	49.3%	2.5	Jul-8	106	0	7.2	Jul-08 06:00	159	0
NO _x	ppb	2.2	49.3%	2.9	Jul-8	-	-	8.6	Jul-08 06:00	-	-
O ₃	ppb	26.1	80.1%	41.4	Jul-10	-	-	49.1	Jul-18 00:00	82	0
PM _{2.5}	ug/m3	21.0	93.0%	100.7	Jul-19	28	4	355.5	Jul-19 17:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Monthly Update

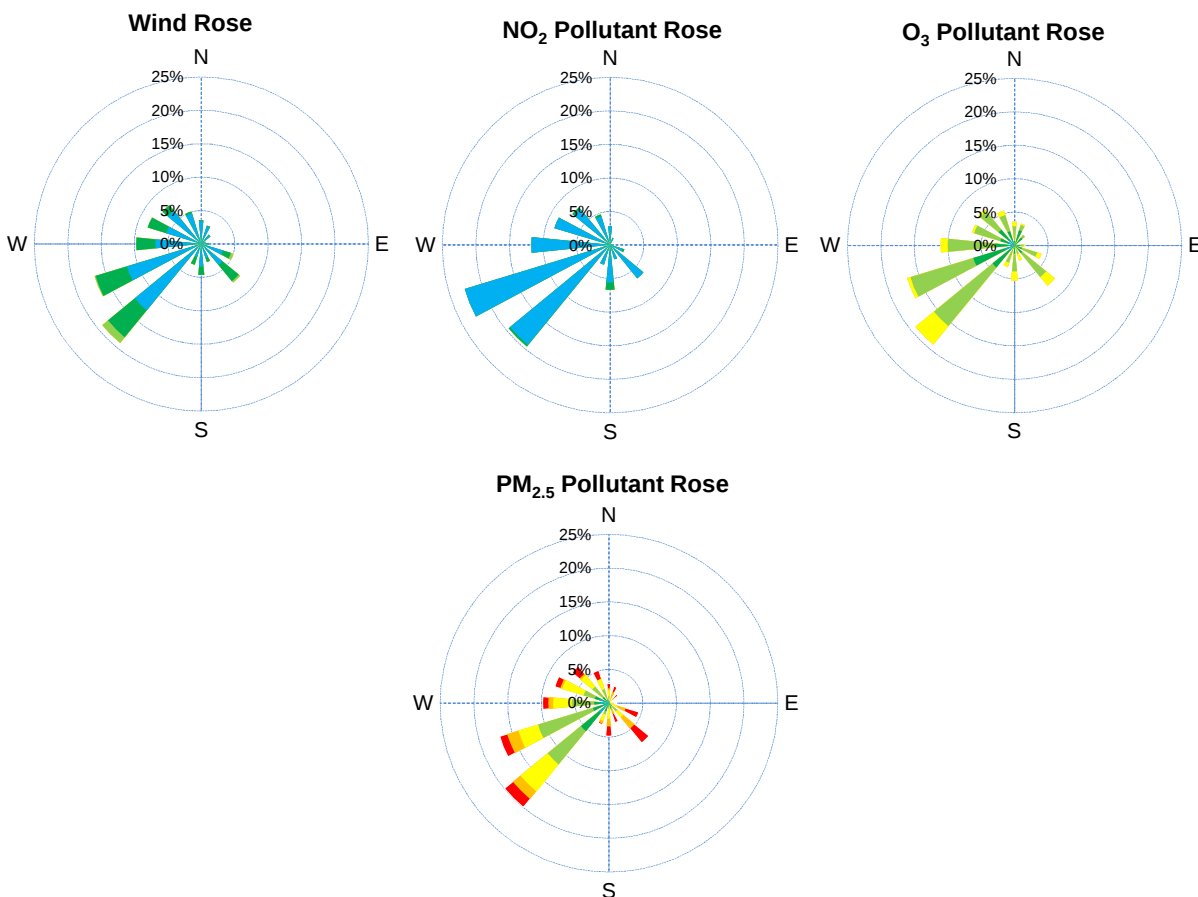
*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards with the exception of four 24-hour PM_{2.5} exceedances attributed to wildfire smoke in the area.

*All compliance parameters were less than 90% operational, except for PM_{2.5}.

*12-370 hours of data flagged as "analyzer failure" for all analyzers due to missing and flatlined data.

WYAMZ Meadow Lake City Station - July 2024 Summary Report



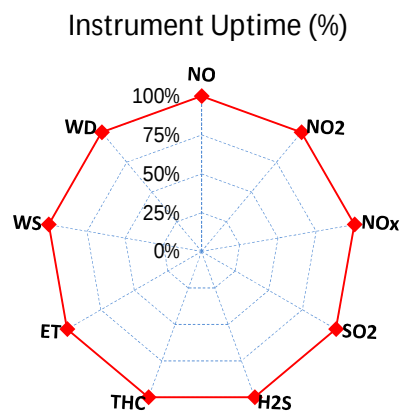
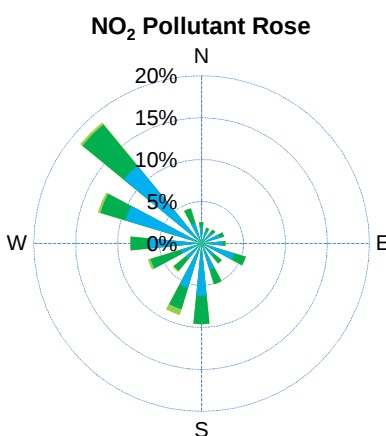
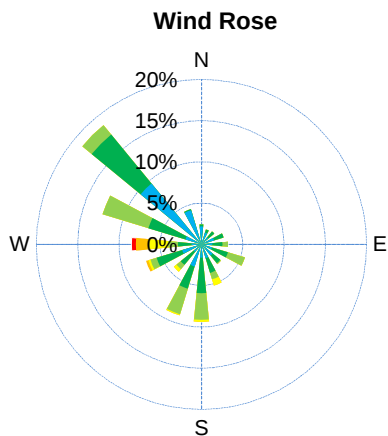
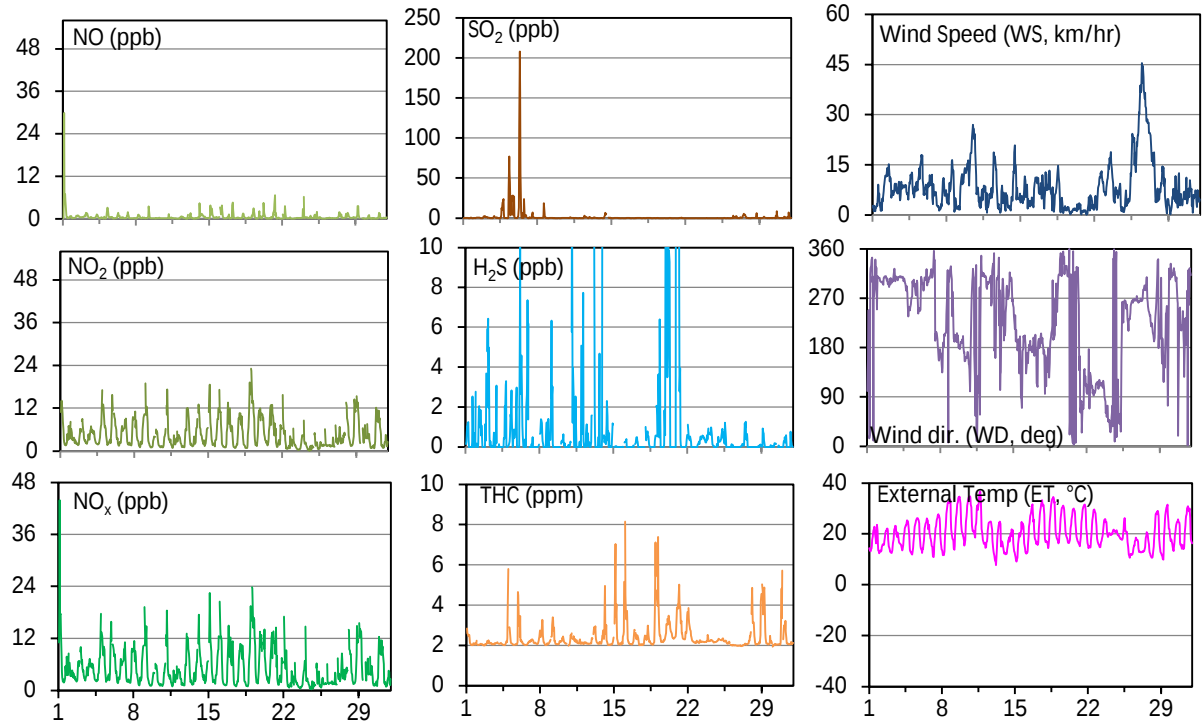
Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	kph	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212
O ₃	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 60	60 ≤ C < 82	C ≥ 82
PM _{2.5}	ug/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30

Exceedance Summary (24-Hour Average)										
24-hour Exceedance Information			Summary of Other Parameters During Exceedance							
Pollutant	Conc. ppb	Exceedance Date	WS	WD	AQHI	Rain	NO	NO2	NOx	O3
		mmm-dd	kph	deg	-	mm	ppb	ppb	ppb	ppb
PM2.5	34.9	Jul-9	0.8	181.7	3.4	0.0	0.4	2.3	2.7	31.2
PM2.5	32.1	Jul-18	0.6	251.6	-	0.0	-	-	-	-
PM2.5	100.7	Jul-19	0.5	281.7	-	0.0	-	-	-	20.9
PM2.5	66.7	Jul-22	1.0	111.4	-	0.0	-	-	-	18.7
										ug/m3

Cenovus Energy Inc East Station - July 2024 Summary Report

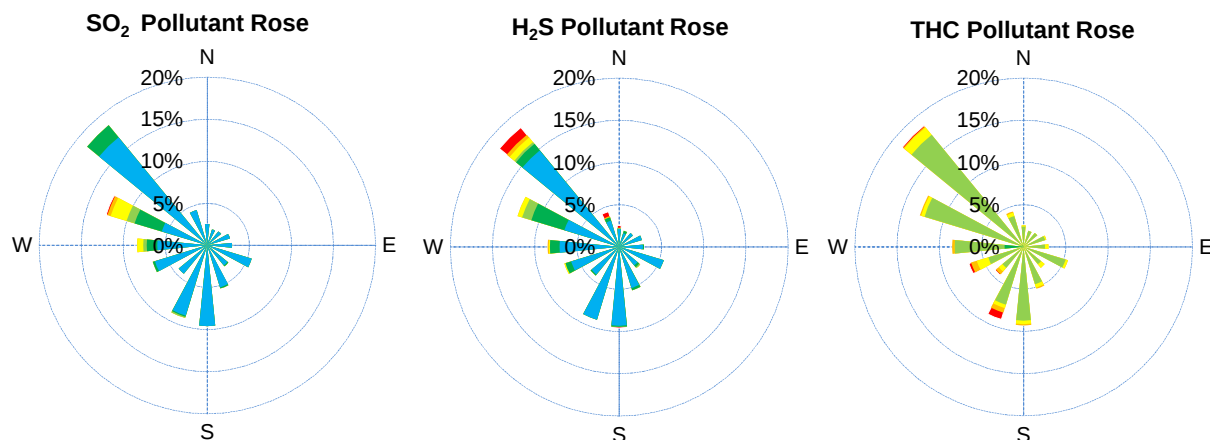
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standards	Exceed Days	Maximum		SAAQS Standards	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.6	100.0%	2.7	Jul-1	-	-	29.9	Jul-01 04:00	-	-
NO ₂	ppb	4.5	100.0%	9.2	Jul-19	106	0	23.1	Jul-19 02:00	159	0
NO _x	ppb	5.1	100.0%	10.1	Jul-19	-	-	43.9	Jul-01 04:00	-	-
SO ₂	ppb	1.8	100.0%	26.0	Jul-6	48	0	207.9	Jul-06 09:00	172	1
H ₂ S	ppb	1.1	100.0%	2.3	Jul-6	3.6	0	43.2	Jul-21 05:00	11.0	15
THC	ppm	2.4	100.0%	3.1	Jul-21	-	-	8.2	Jul-16 02:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	km/hr	1 ≤ WS < 5	5 ≤ WS < 10	10 ≤ WS < 20	20 ≤ WS < 30	30 ≤ WS < 40	WS ≥ 40
SO ₂	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212
H ₂ S	ppb	0 ≤ C < 1	1 ≤ C < 3.6	3.6 ≤ C < 5	5 ≤ C < 8	8 ≤ C < 11	C ≥ 11
THC	ppm	0 ≤ C < 1	1 ≤ C < 2	2 ≤ C < 3	3 ≤ C < 4	4 ≤ C < 5	C ≥ 5

Cenovus Energy Inc East Station - July 2024 Summary Report



Monthly Update

*Air monitoring data has been validated. Data may change after validation process.

*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards, except for fifteen 1-hour H₂S exceedances and one 1-hour SO₂ exceedance.

*All compliance parameters were >90% operational.

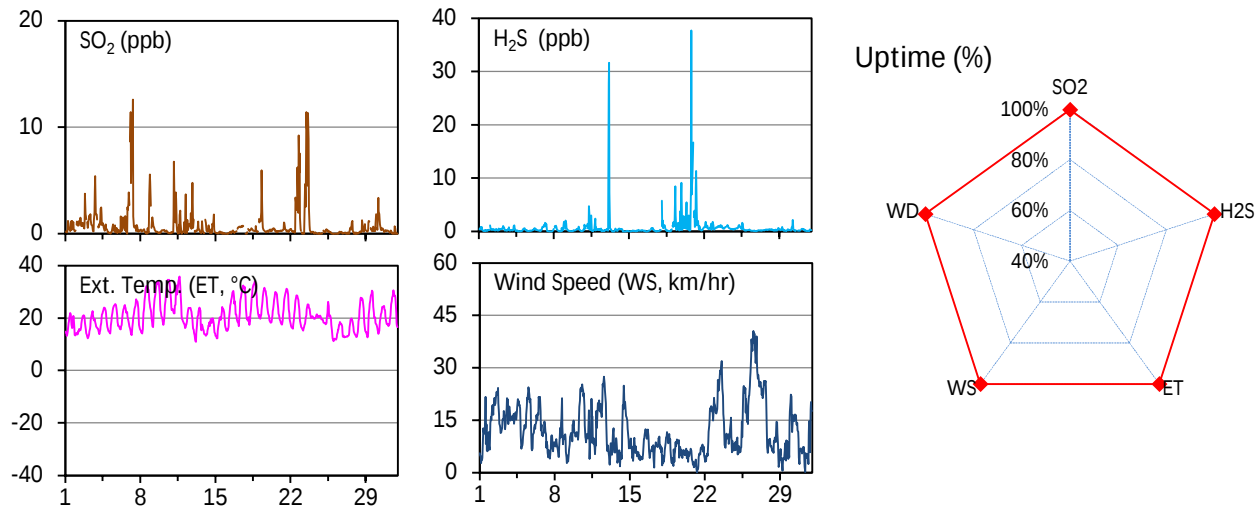
*Station was calibrated on July 10, July 14, July 29 and July 30

Exceedance Summary									
1-hour Exceedance Information			Summary of Other Parameters During Exceedance						
Pollutant	Conc. ppb	Exceedance Time mmm-dd hh:mm	WS km/hr	WD deg	ET C	SO ₂ ppb	H ₂ S ppb	NO ₂ ppb	THC ppm
H2S	43.0	Jul-21 05:00	1.2	326	15.7	0.0	43.2	8.4	5.0
H2S	43.0	Jul-21 04:00	1.4	324	16.2	0.0	42.9	9.7	4.3
H2S	43.0	Jul-21 00:00	1.0	6	17.6	0.0	42.6	7.3	3.9
H2S	37.0	Jul-21 02:00	0.9	327	16.8	0.0	36.9	12.9	4.0
H2S	27.0	Jul-20 23:00	1.3	295	18.7	0.0	37.0	12.8	3.4
H2S	23.0	Jul-20 02:00	1.4	329	17.3	0.0	22.9	10.5	3.3
H2S	23.0	Jul-21 03:00	1.1	316	16.3	0.0	22.8	10.5	3.8
H2S	23.0	Jul-13 03:00	0.6	315	9.5	0.0	22.7	11.8	2.9
H2S	23.0	Jul-20 00:00	1.4	327	18.7	0.0	14.8	8.6	3.1
H2S	22.0	Jul-20 05:00	1.9	310	16.4	0.0	13.3	8.7	3.5
H2S	20.0	Jul-14 00:00	2.0	305	12.3	0.0	19.8	9.0	2.7
H2S	20.0	Jul-13 04:00	0.9	296	8.9	0.0	19.5	9.5	2.7
H2S	14.0	Jul-11 03:00	4.5	308	21.1	0.9	13.8	10.2	2.3
H2S	13.0	Jul-13 02:00	1.3	333	10.4	0.1	12.8	12.1	2.5
H2S	13.0	Jul-13 05:00	1.7	174	7.8	0.0	12.7	8.0	2.7
SO2	208.0	Jul-06 09:00	8.5	294	22.2	207.9	2.3	3.7	2.1

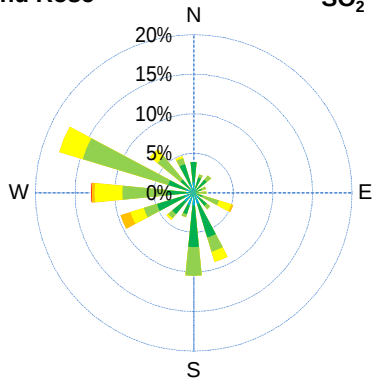
Cenovus Energy Inc West Station - July 2024 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records				
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		AAAQO / SAAQS	Exceed Days	Minimum Conc.	Maximum		AAAQO / SAAQS	Exceed Hours
				Conc.	Time				Conc.	Time		
SO ₂	ppb	0.8	99.7%	3.1	Jul-7	48 / 48	0 / 0	-0.2	12.6	Jul-07 08:00	172 / 172	0 / 0
H ₂ S	ppb	0.7	100.0%	4.8	Jul-20	3 / 3.6	1 / 1	-0.1	38.0	Jul-20 20:00	10 / 11.0	6 / 6

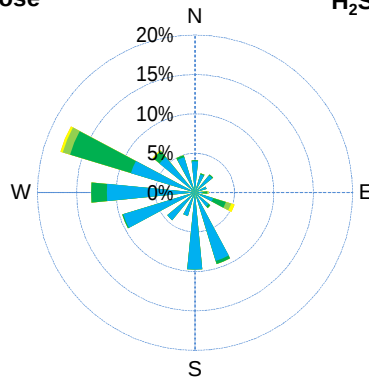
AAAQO: Alberta Ambient Air Quality Objectives; SAAQS: Saskatchewan Ambient Air Quality Standards.



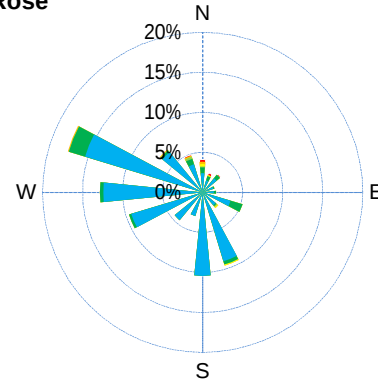
Wind Rose



SO₂ Rose



H₂S Rose



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	km/hr	1 ≤ WS < 5	5 ≤ WS < 10	10 ≤ WS < 20	20 ≤ WS < 30	30 ≤ WS < 40	WS ≥ 40
SO ₂	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172
H ₂ S	ppb	0 ≤ C < 1	1 ≤ C < 3.6	3.6 ≤ C < 5	5 ≤ C < 8	8 ≤ C < 11	C ≥ 11

Monthly Update

*Air monitoring data has been validated. Data may change after validation process.

*All compliance parameters were within the Alberta Ambient Air Quality Objectives and the Saskatchewan Ambient Air Quality Standards, except for six 1-hour H₂S exceedances and one 24-hour H₂S exceedance that exceeded both Alberta and Saskatchewan Objectives/Standards.

*All compliance parameters were >90% operational.

*2 hours flagged as "maintenance" for SO₂ perm tube replacement on July 29.

*Station was calibrated on July 17 and July 30, 2024.

Cenovus Energy Inc West Station - July 2024 Summary Report

Exceedance Summary (1-Hour Average)									
1-hour Exceedance Information					Summary of Other Parameters During Exceedance				
Pollutant	Conc. ppb	Exceedance Time mmm-dd hh:mm	Exceedance Jurisdiction		WS km/hr	WD deg	ET °C	SO2 ppb	H2S ppb
			Alberta	Saskatchewan					
H2S	37.7	Jul-20 20:00	Yes	Yes	3.7	20	26	0.2	37.7
H2S	31.6	Jul-13 04:00	Yes	Yes	2.2	41	11	0.1	31.6
H2S	27.8	Jul-13 03:00	Yes	Yes	2.8	12	12	0.1	27.8
H2S	16.7	Jul-21 00:00	Yes	Yes	1.5	9	20	0.2	16.7
H2S	11.5	Jul-20 23:00	Yes	Yes	3.1	332	21	0.2	11.5
H2S	11.4	Jul-21 07:00	Yes	Yes	0.1	357	19	0.3	11.4
24-hour Exceedance Information			Alberta	Saskatchewan	WS	WD	RH	ET	SO ₂
H2S	4.8	Jul-20	Yes	Yes	4.2	356	24	0.3	4.8