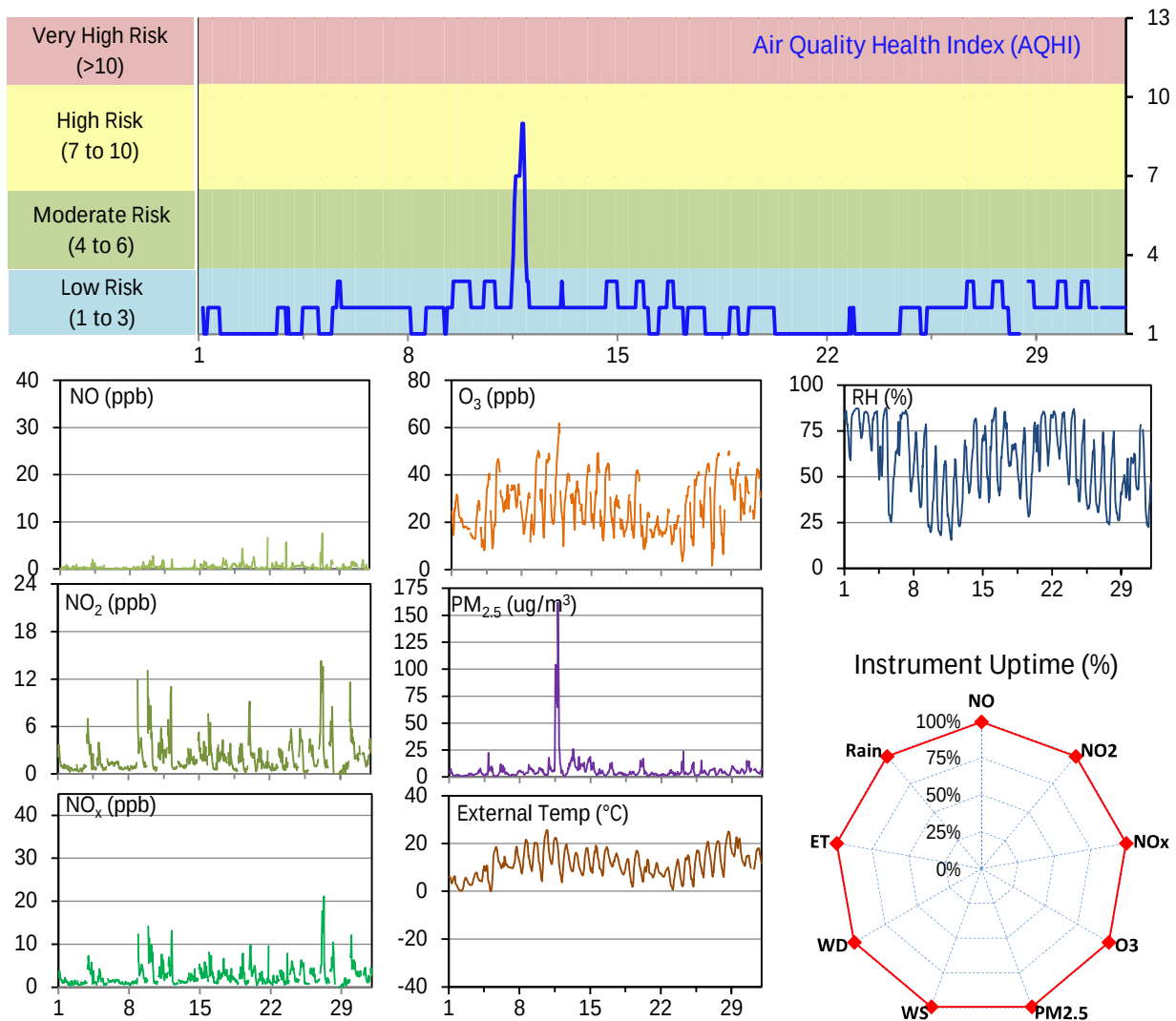


WYAMZ Clavet Station - May 2024 Summary Report

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	0.5	99.3%	1.0	May-27	-	-	7.6	May-27 06:00	-	-
NO ₂	ppb	2.0	99.3%	4.8	May-27	106	0	14.3	May-27 02:00	159	0
NO _x	ppb	2.5	99.3%	5.8	May-27	-	-	21.2	May-27 06:00	-	-
O ₃	ppb	26.8	99.3%	36.8	May-29	-	-	61.8	May-11 18:00	82	0
PM _{2.5}	ug/m3	6.2	99.3%	43.4	May-11	28	1	161.7	May-11 18:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Monthly Update

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

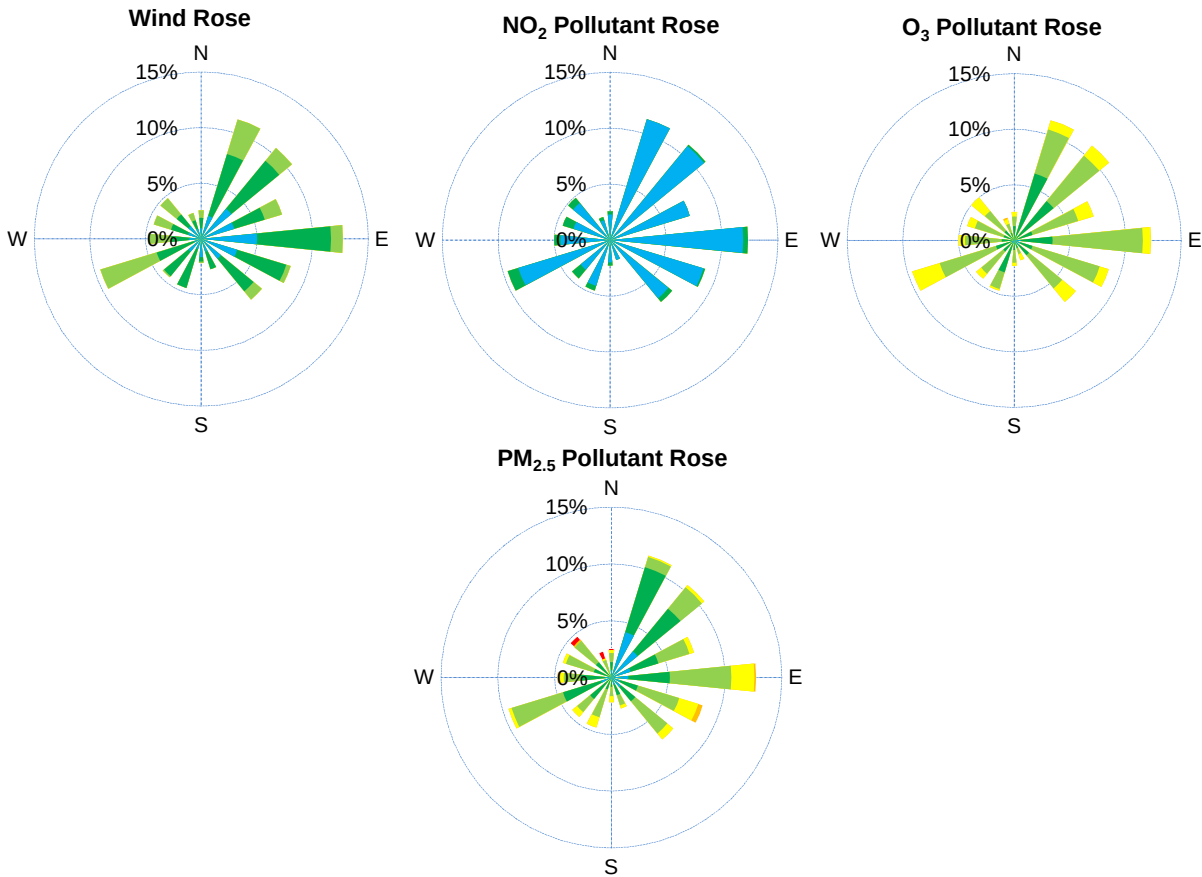
*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards, with the exception of one 24-hour PM 2.5 exceedances attributed to wildfire smoke in the area.

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

*5 hours of data flagged as "power failure" for all parameters due to a station power outage.

*Routine calibration was completed on May 28, 2024.

WYAMZ Clavet Station - May 2024 Summary Report



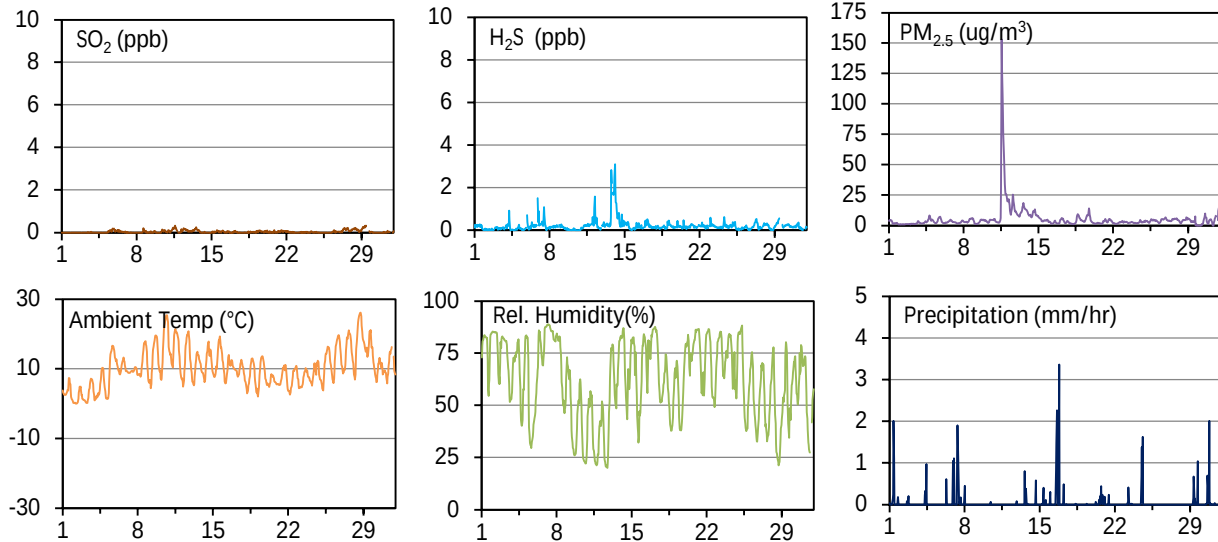
Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	kph	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$
NO ₂	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$
O ₃	ppb	$0 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 40$	$40 \leq C < 60$	$60 \leq C < 82$	$C \geq 82$
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 Exceedance Information			Summary of Other Parameters During Exceedance							
Pollutant	Conc.	Exceedance Date	WS	WD	AQHI	Rain	NO	NO2	NOx	O3
		mmm-dd	kph	deg	-	mm	ppb	ppb	ppb	ppb
PM2.5	43.0	May-11	3.2	287.1	4.3	0.0	0.5	3.3	3.8	35.6

WYAMZ Kerrobert Station - May 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	-	99.4%	0.1	May-28	48	0	0.3	May-29 10:00	172	0
H ₂ S	ppb	-	99.3%	0.9	May-14	3.6	0	3.1	May-14 02:00	11	0
PM _{2.5}	ug/m3	5.2	99.6%	35.5	May-11	28	1	153.2	May-11 13:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Monthly Update

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

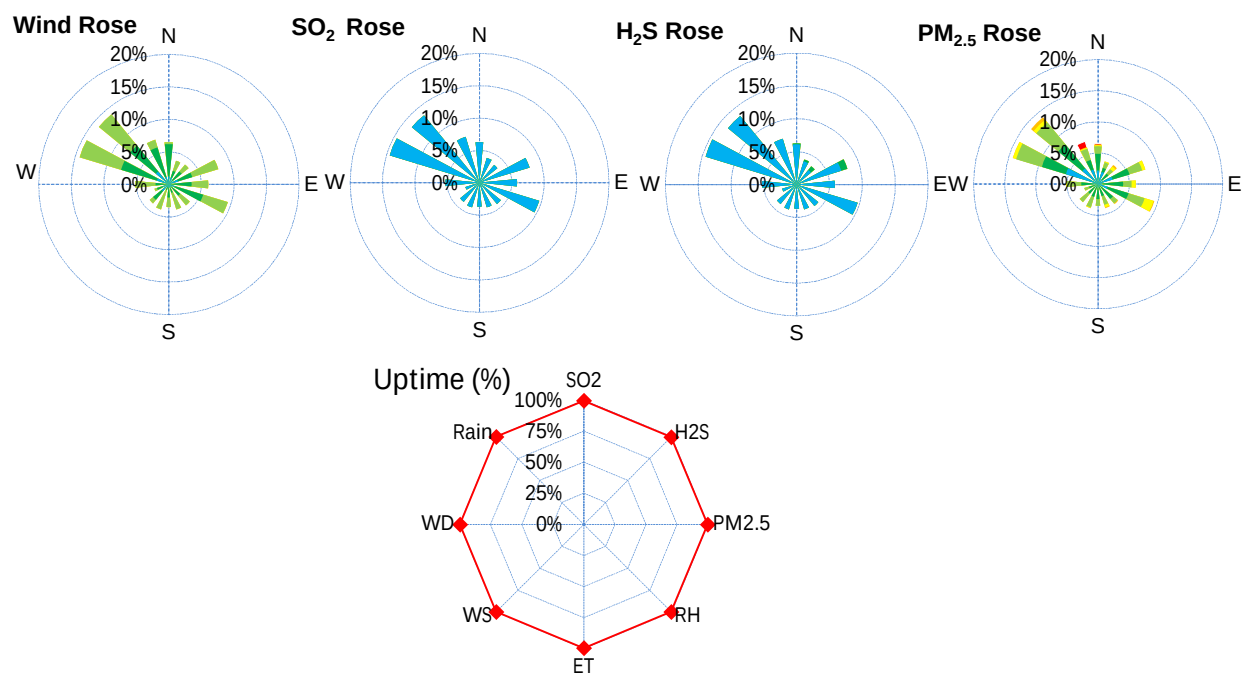
*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards, except one 24-hour PM_{2.5} exceedance due to wildfire smoke

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

*3-5 hours of data for the whole station flagged as "power failure" due to power supply issues on the site.

* Routine calibration was completed on May 29, 2024.

WYAMZ Kerrobert Station - May 2024 Summary Report



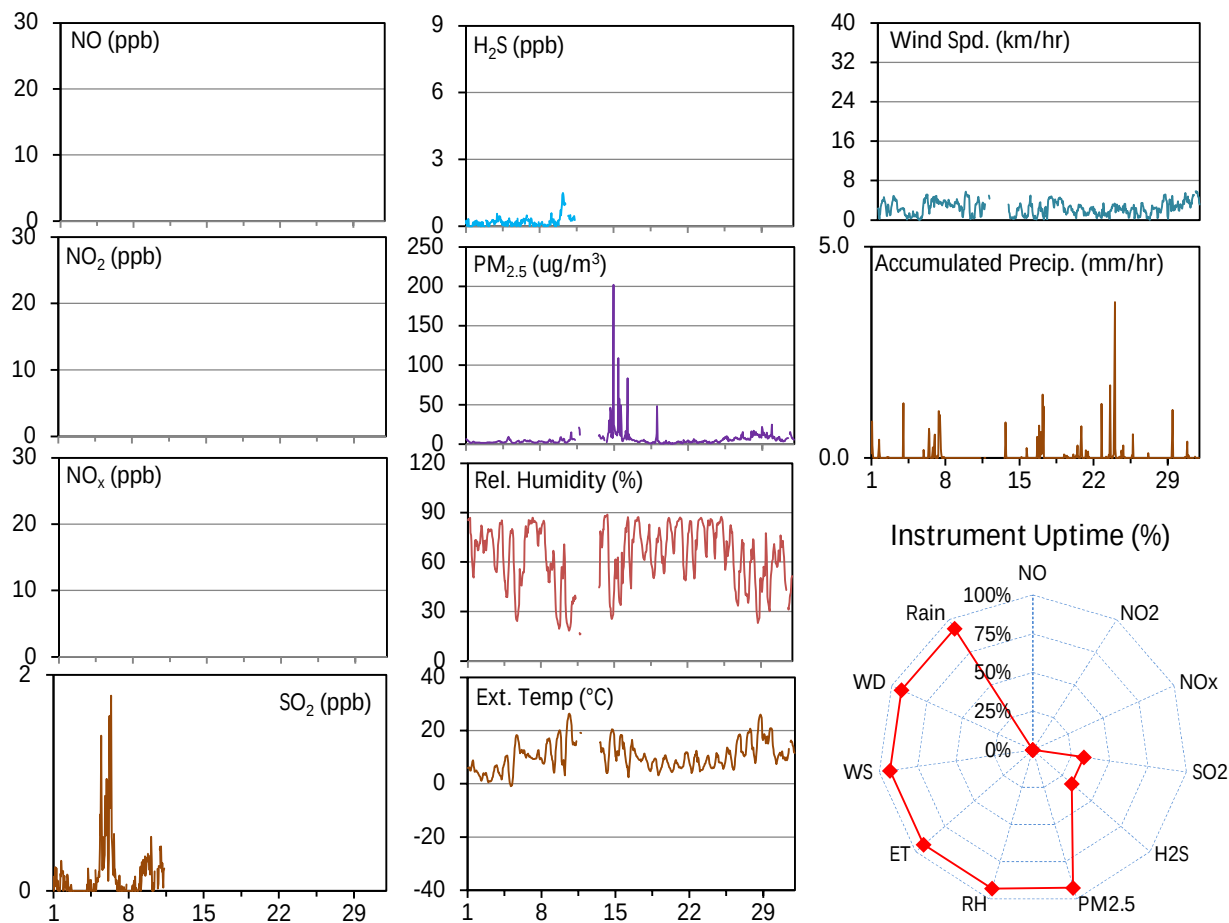
Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	kph	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6
SO ₂	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172
H ₂ S	ppb	0 ≤ C < 1	1 ≤ C < 3.6	3.6 ≤ C < 5	5 ≤ C < 8	8 ≤ 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 Average)								
24-hour Exceedance Information			Summary of Other Parameters During Exceedance					
Pollutant	Conc. ppb	Exceedance Date	WS	WD	Rain	ET	SO ₂	PM _{2.5}
		mmm-dd	m/s	deg	mm	C	ppb	ug/m3
PM _{2.5}	36.0	May-11	2.9	299.5	0.0	16.0	0.1	35.5

WYAMZ Maidstone Station - May 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	0.2	33.3%	0.5	May-6	48	0	1.8	May-06 08:00	172	0
H ₂ S	ppb	0.2	33.3%	0.8	May-10	3.6	0	1.5	May-10 04:00	11	0
PM _{2.5}	ug/m3	6.1	92.5%	25.0	May-14	28	0	202.1	May-14 22:00	-	-

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.

*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.

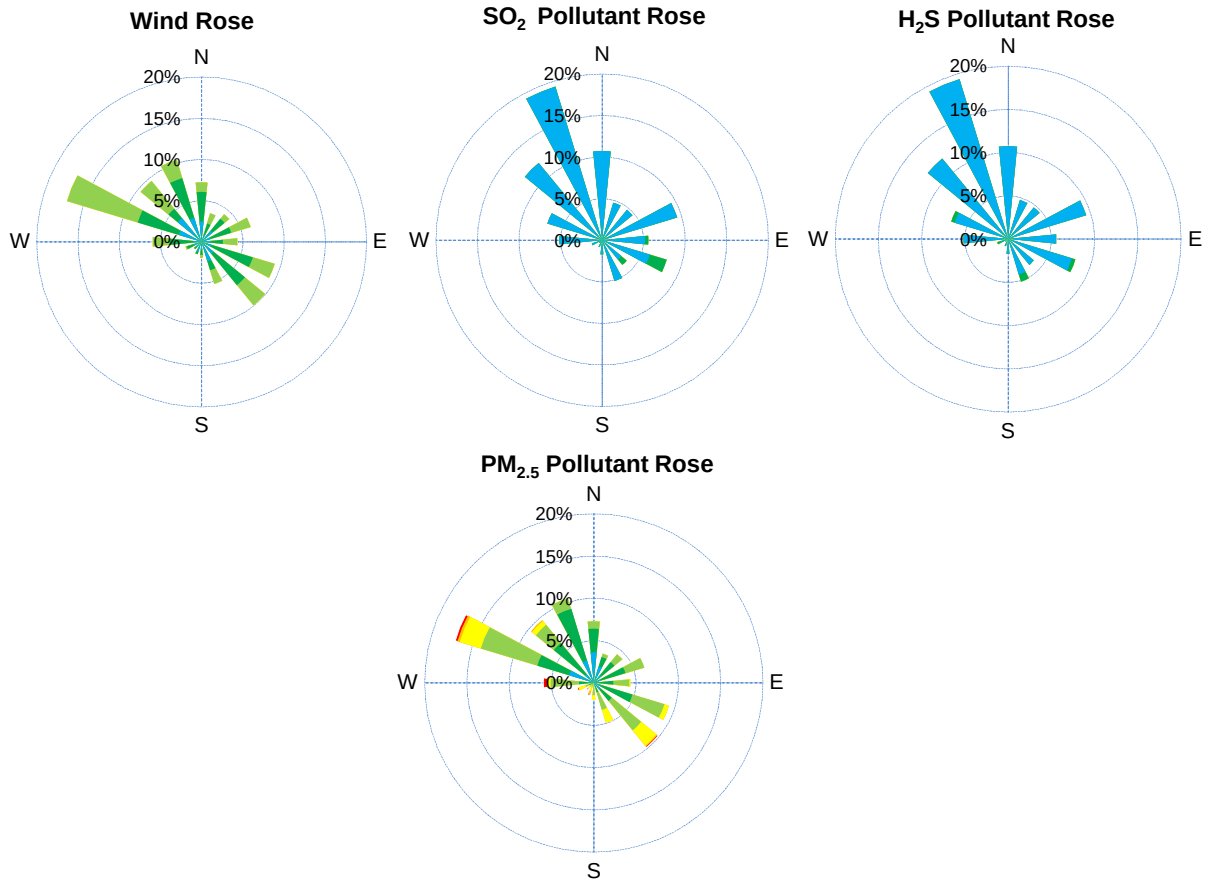
*496 hours of SO₂ and H₂S data flagged as "analyzer failure" due to the removal of the analyzers from service on May 11, 2024.

*44-48 hours of PM_{2.5} and meteorological data flagged as "Analyzer Failure" due to flatlined data.

*8 hours of PM_{2.5} and meteorological data flagged as "Maintenance" due to data interference when servicing station on May 11, 2024.

*Station was calibrated on May 10, 2024.

WYAMZ Maidstone Station - May 2024 Summary Report

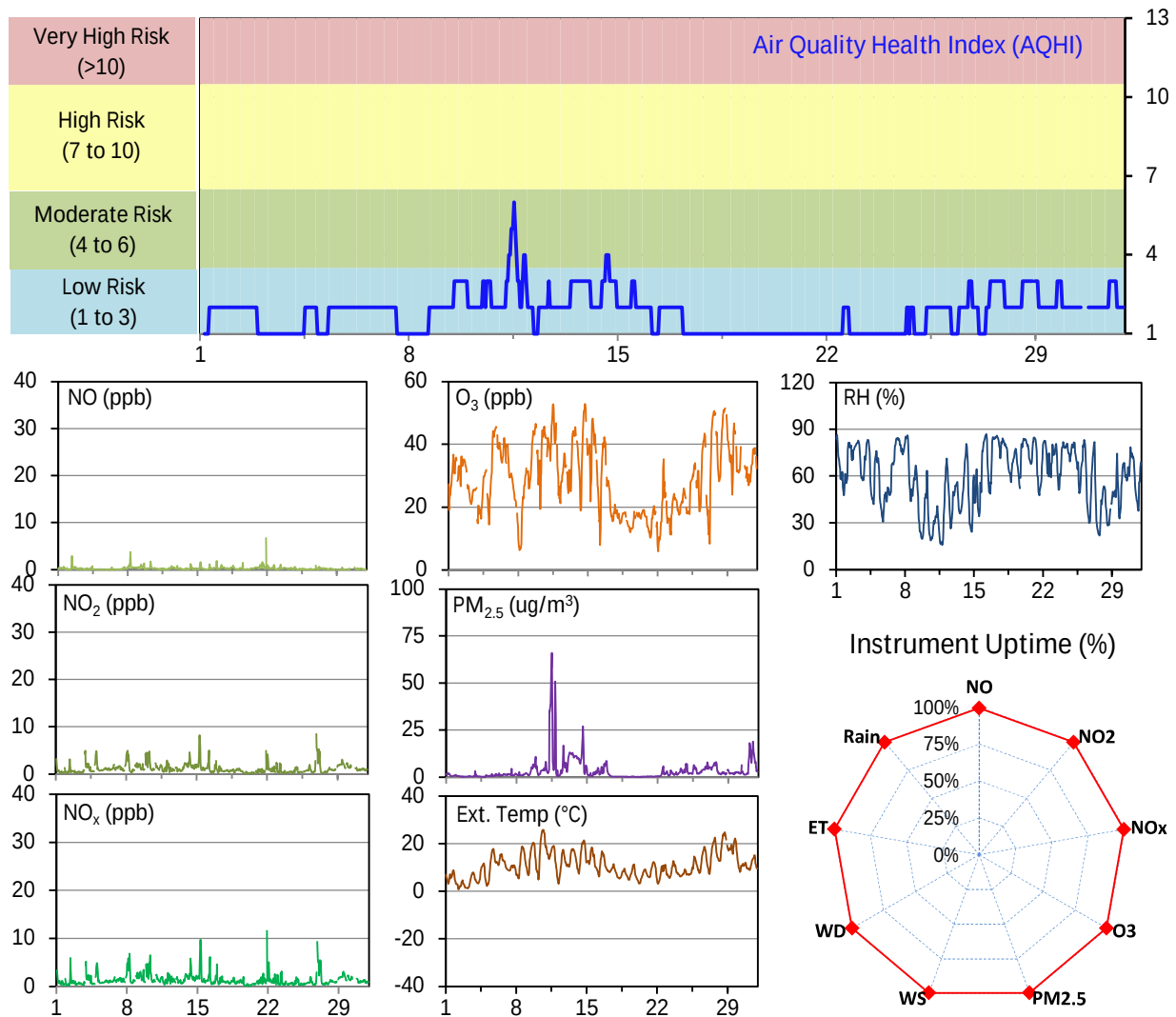


Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class						
Wind Speed	kph	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6	
SO ₂	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172	
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	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	

WYAMZ Meadow Lake City Station - May 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	0.2	99.4%	0.8	May-21	-	-	6.7	May-21 21:00	-	-
NO ₂	ppb	1.2	99.4%	2.2	May-15	106	0	8.5	May-26 21:00	159	0
NO _x	ppb	1.4	99.4%	2.5	May-8	-	-	11.6	May-21 21:00	-	-
O ₃	ppb	28.8	99.6%	42.3	May-11	-	-	52.9	May-14 17:00	82	0
PM _{2.5}	ug/m3	3.3	99.6%	21.6	May-11	28	0	66.0	May-11 12:00	-	-

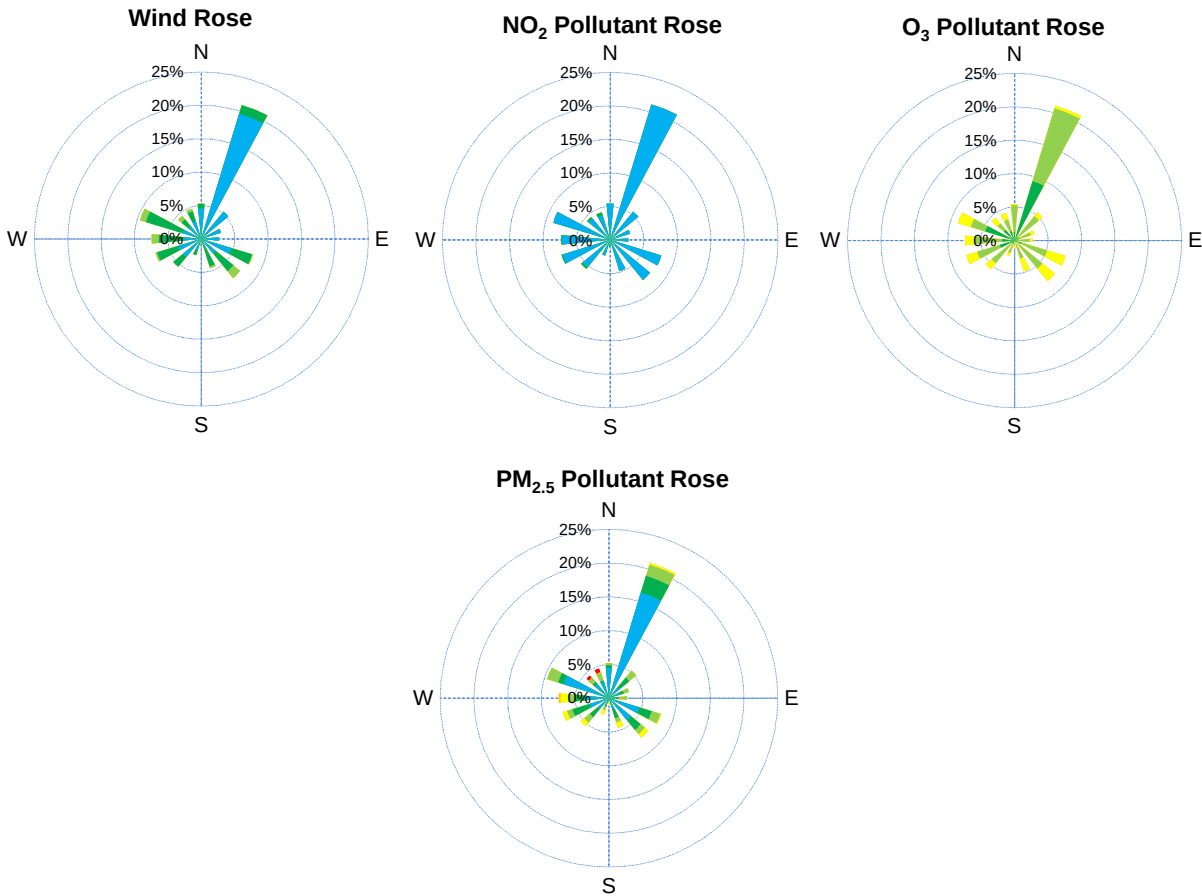
SAAQS: Saskatchewan Ambient Air Quality Standards



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.
- *All compliance parameters were greater than 90% operational.
- *3-4 hours of data flagged as "power failure" for the whole station due to power supply issues on site.
- *Routine calibration was completed on May 30, 2024.

WYAMZ Meadow Lake City Station - May 2024 Summary Report

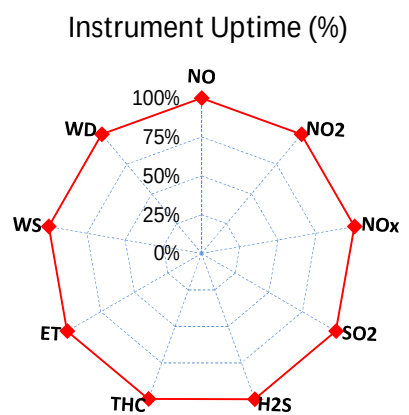
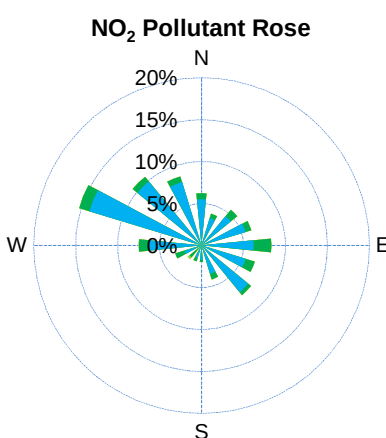
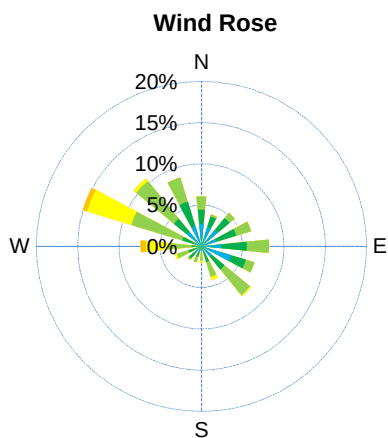
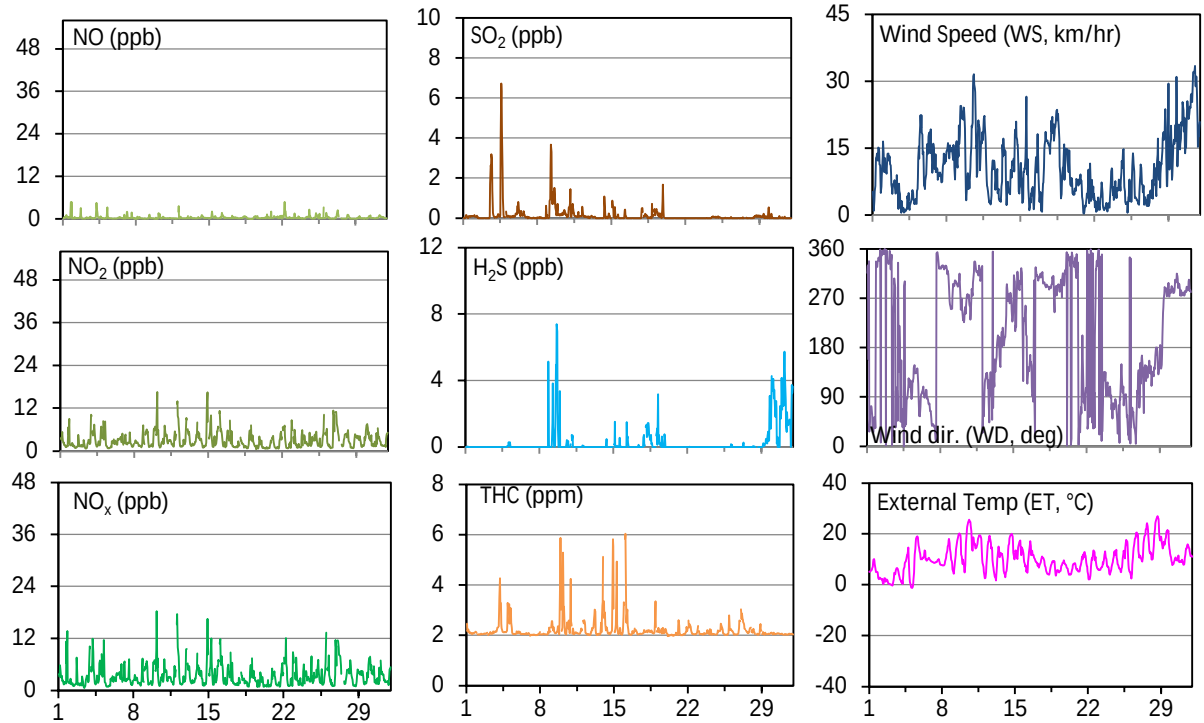


Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	kph	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$
NO ₂	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq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

Cenovus Energy Inc East Station - May 2024 Summary Report

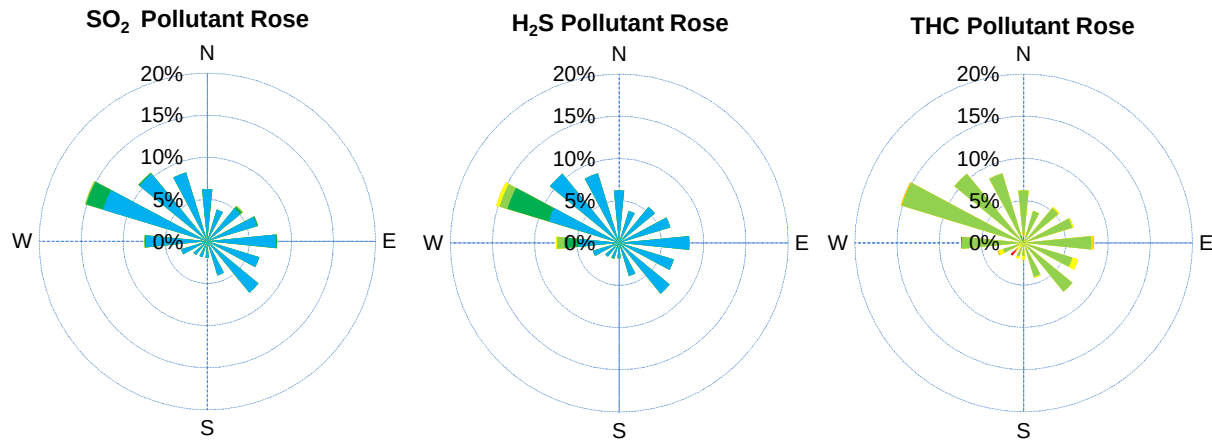
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standards	Exceed Days	Maximum		SAAQS Standards	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.4	100.0%	0.8	May-1	-	-	4.8	May-22 06:00	-	-
NO ₂	ppb	3.0	100.0%	4.9	May-27	106	0	16.6	May-10 05:00	159	0
NO _x	ppb	3.4	100.0%	5.5	May-27	-	-	18.3	May-10 05:00	-	-
SO ₂	ppb	0.2	100.0%	1.1	May-4	48	0	6.7	May-04 15:00	172	0
H ₂ S	ppb	0.3	100.0%	2.4	May-31	3.6	0	7.4	May-09 16:00	11.0	0
THC	ppm	2.2	99.9%	2.7	May-14	-	-	6.0	May-16 03:00	-	-

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 - May 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.

*All compliance parameters were >90% operational.

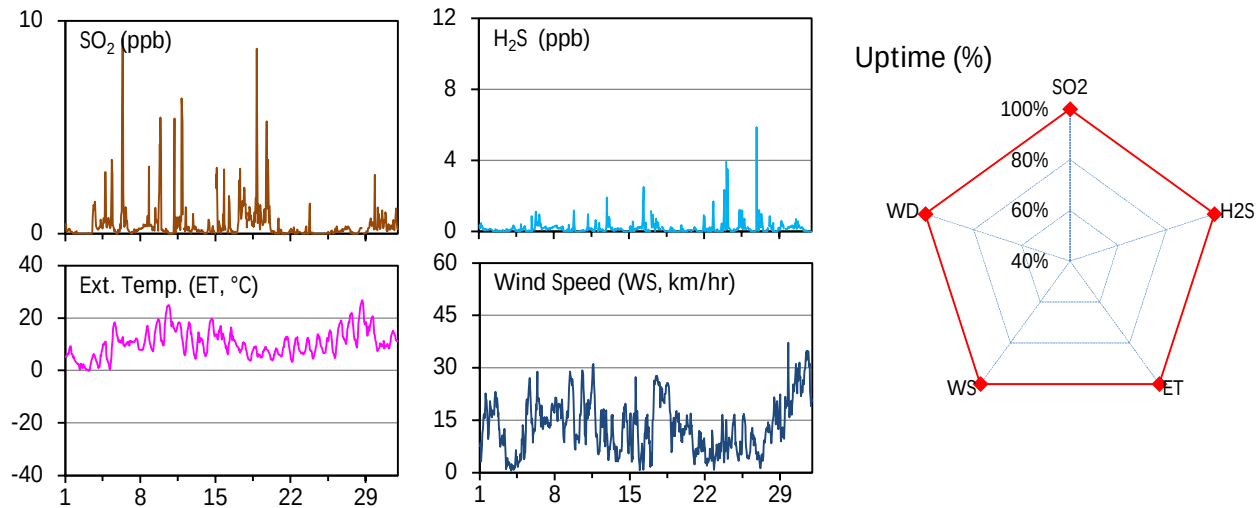
*1 hour of data flagged as "maintenance" for THC due to data being affected by another analyzer being calibrated.

*Station was calibrated on May 27 and 28, 2024.

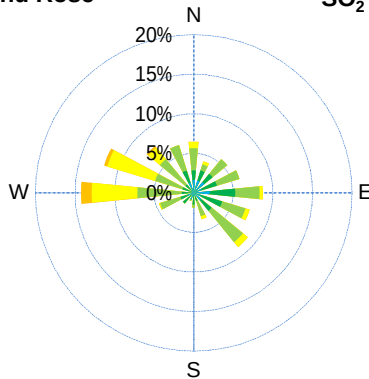
Cenovus Energy Inc West Station - May 2024 Summary Report

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	0.5	100.0%	1.4	May-6	48 / 48	0 / 0	-0.3	9.2	May-06 09:00	172 / 172	0 / 0
H ₂ S	ppb	0.2	100.0%	0.5	May-24	3 / 3.6	0 / 0	-0.2	6.0	May-26 22:00	10 / 11.0	0 / 0

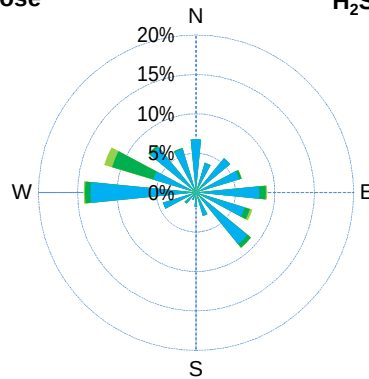
AAAQO: Alberta Ambient Air Quality Objectives; SAAQS: Saskatchewan Ambient Air Quality Standards.



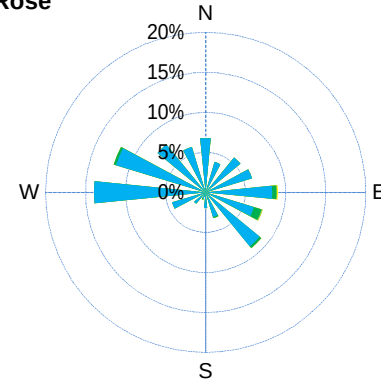
Wind Rose



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.

*All compliance parameters were >90% operational.

*Station was calibrated on May 28 and 29, 2024.