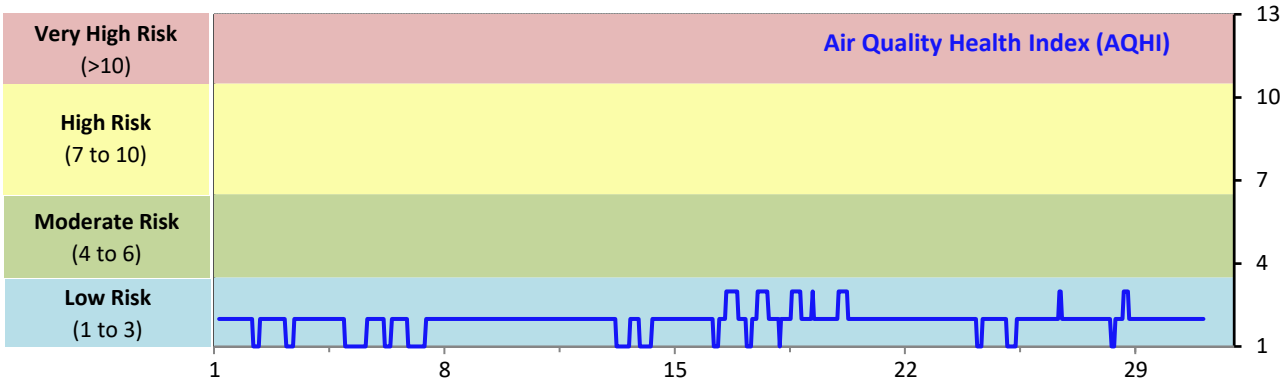
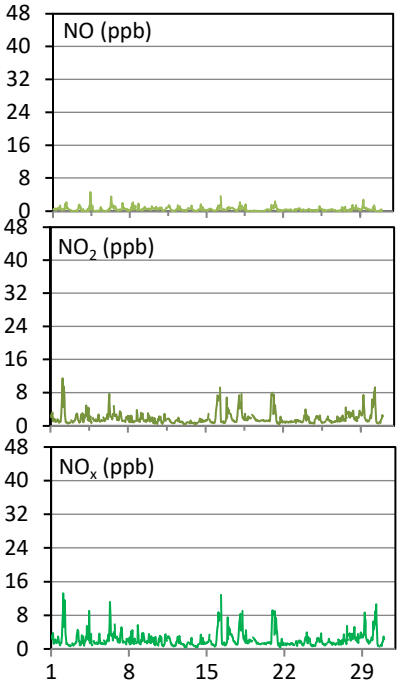
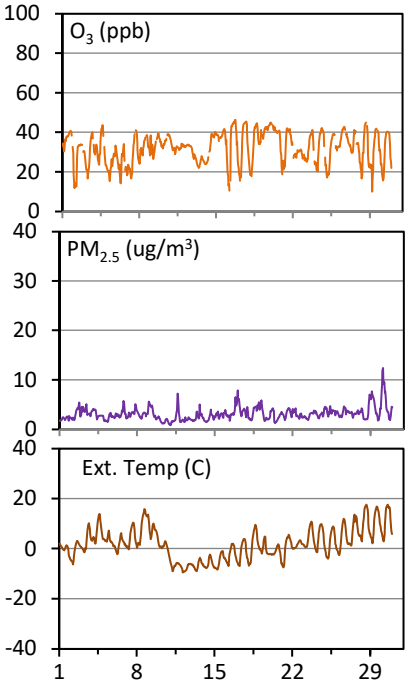
WYAMZ Clavet Station - April 2022 Summary Report

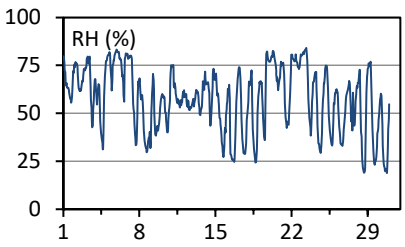
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum Conc.	Maximum Time	SAAQS Objective	Exceed Days	Maximum Conc.	Maximum Time	SAAQS Objective	Exceed Hours
NO	ppb	0.4	100.0%	0.8	Apr-6	-	-	4.7	Apr-04 10:00	-	-
NO_2	ppb	1.8	100.0%	3.3	Apr-16	106	0	11.5	Apr-02 02:00	159	0
NOx	ppb	2.2	100.0%	3.9	Apr-16	-	-	13.2	Apr-02 02:00	-	-
O_3	ppb	32	100.0%	41	Apr-19	-	-	46	Apr-16 18:00	82	0
$PM_{2.5}$	ug/m3	3	100.0%	6	Apr-30	28	0	12	Apr-30 03:00	-	-

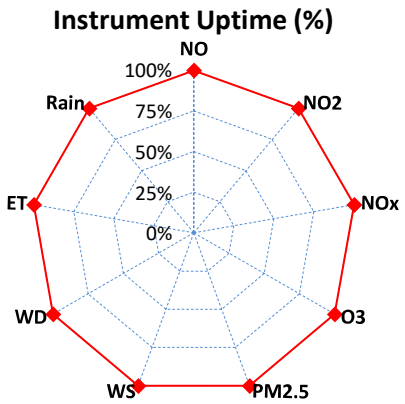
SAAQS: Saskatchewan Ambient Air Quality Standards











Monthly Update

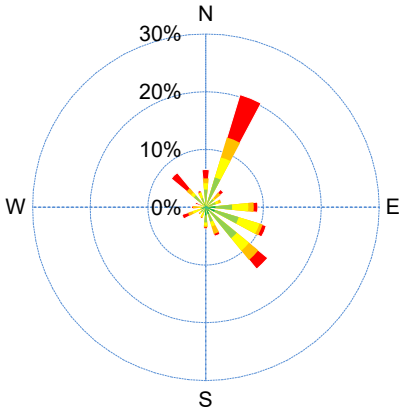
*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

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

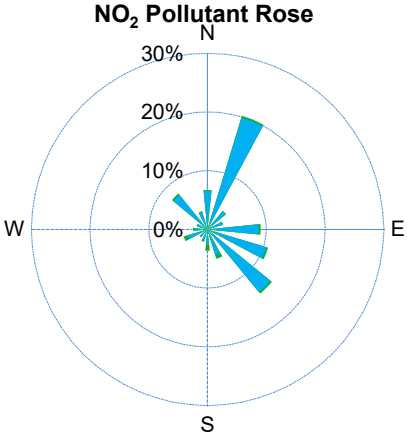
*All compliance parameters were greater than 90% operational for the month.

WYAMZ Clavet Station - April 2022 Summary Report

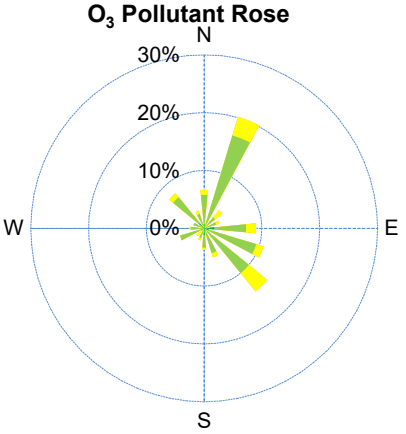
Wind Rose



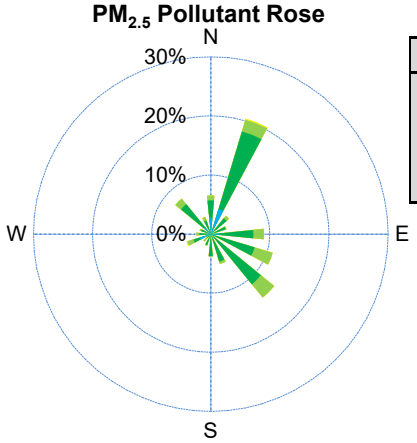
NO_2 Pollutant Rose



O_3 Pollutant Rose



$PM_{2.5}$ Pollutant Rose

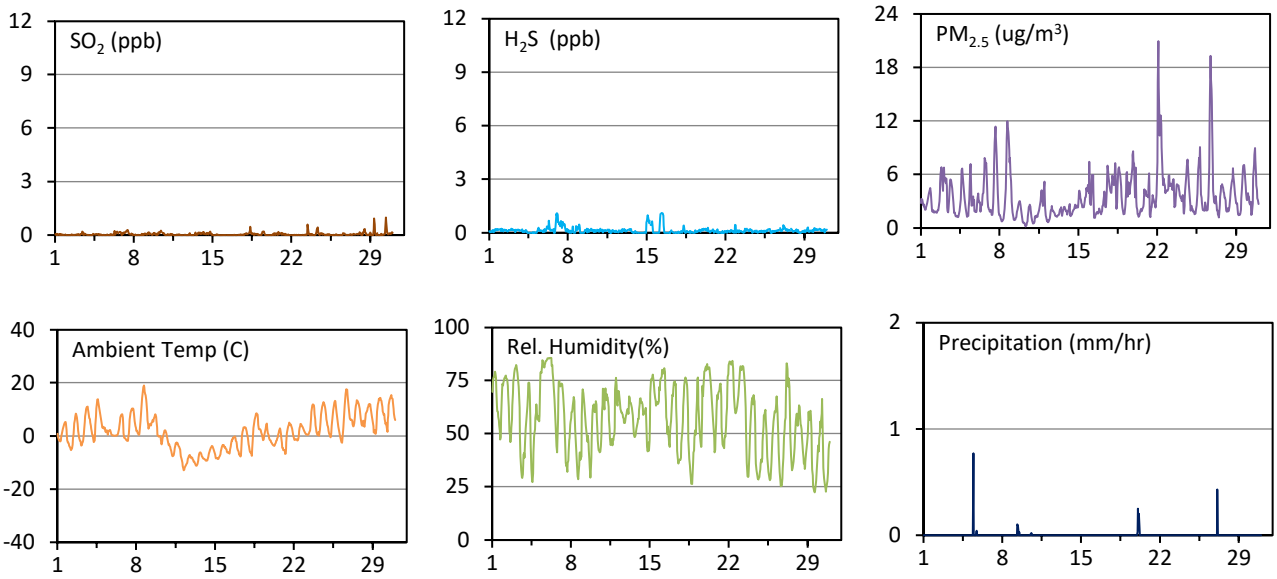


Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	kph	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6
NO_2	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212
O_3	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 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

WYAMZ Kerrobert Station - April 2022 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	100.0%	0.2	Apr-30	48	0	1.0	Apr-30 09:00	172	0
H_2S	ppb	0.1	100.0%	0.5	Apr-7	3.6	0	1.1	Apr-16 07:00	11	0
$PM_{2.5}$	ug/m3	4	100.0%	8	Apr-22	28	0	21	Apr-22 02:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



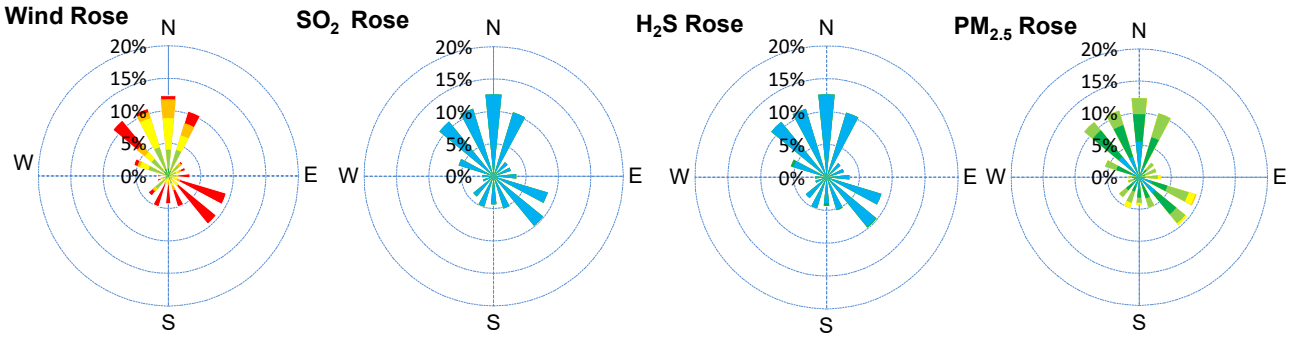
Monthly Update

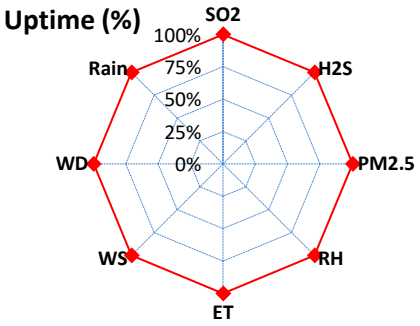
*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

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

*All compliance parameters were greater than 90% operational.

WYAMZ Kerrobert Station - April 2022 Summary Report



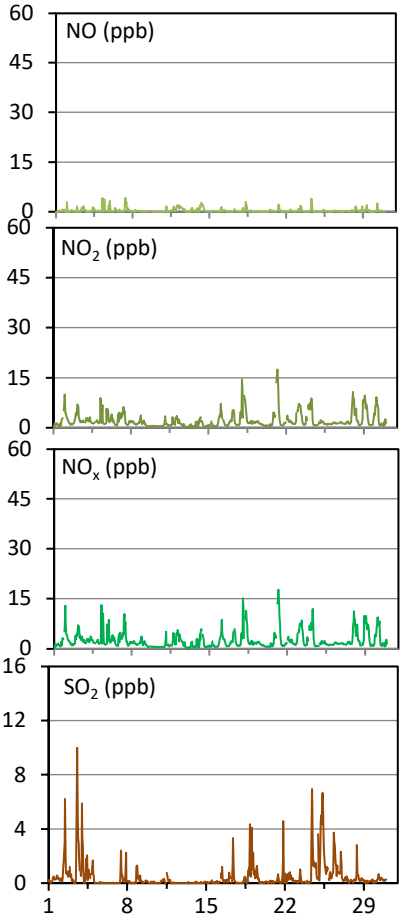


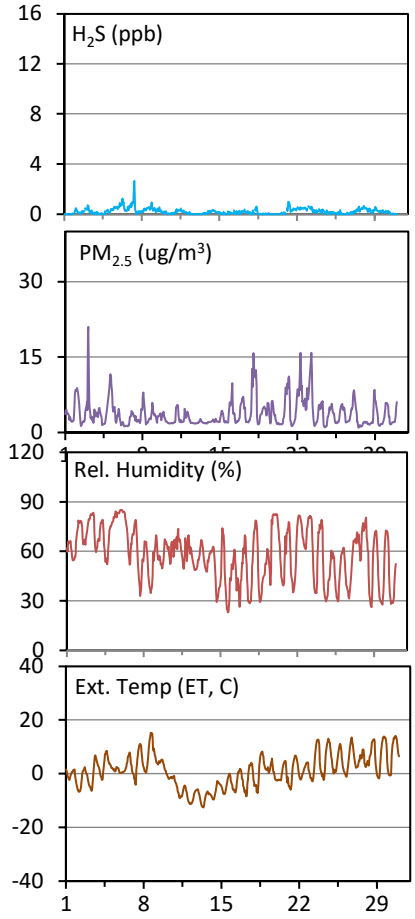
Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	kph	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6
SO_2	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172
H_2S	ppb	0 ≤ C < 1	1 ≤ C < 3.6	3.6 ≤ C < 5	5 ≤ C < 8	8 ≤ 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

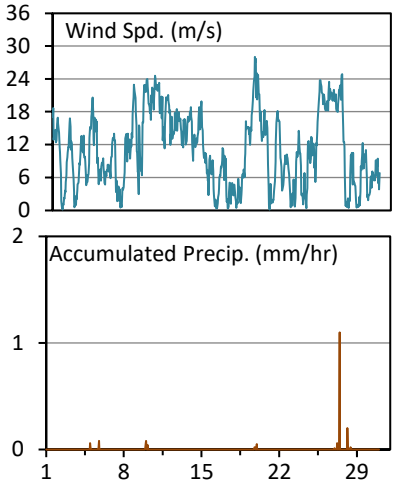
WYAMZ Maidstone Station - April 2022 Summary Report

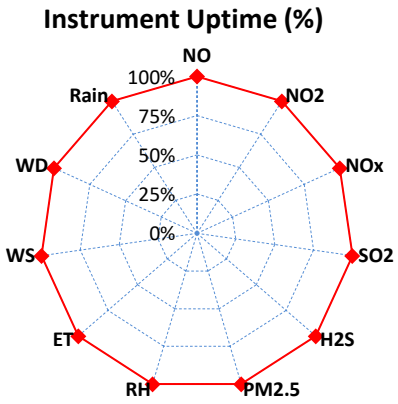
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum Conc.	Maximum Time	SAAQS Objective	Exceed Days	Maximum Conc.	Maximum Time	SAAQS Objective	Exceed Hours
NO	ppb	0.3	100.0%	1.0	Apr-12	-	-	4.2	Apr-07 08:00	-	-
NO_2	ppb	2.2	100.0%	4.8	Apr-21	106	0	17.5	Apr-21 05:00	159	0
NOx	ppb	2.5	100.0%	5.1	Apr-21	-	-	17.7	Apr-21 05:00	-	-
SO_2	ppb	0.5	100.0%	2.2	Apr-25	48	0	10.0	Apr-03 13:00	172	0
H_2S	ppb	0.2	100.0%	0.6	Apr-6	3.6	0	2.7	Apr-07 08:00	11	0
$PM_{2.5}$	ug/m3	4	100.0%	8	Apr-22	28	0	21	Apr-03 02:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards









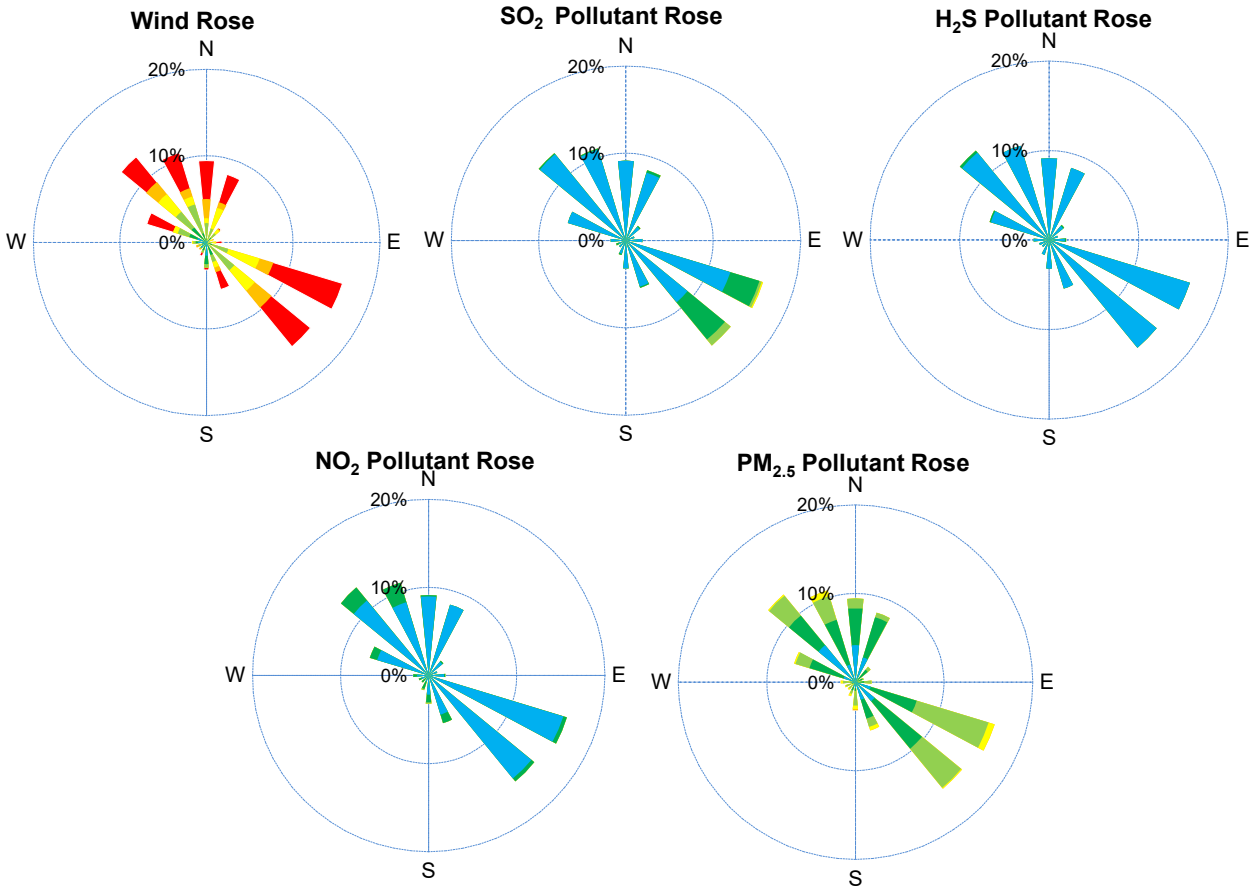
Monthly Update

* 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.

WYAMZ Maidstone Station - April 2022 Summary Report

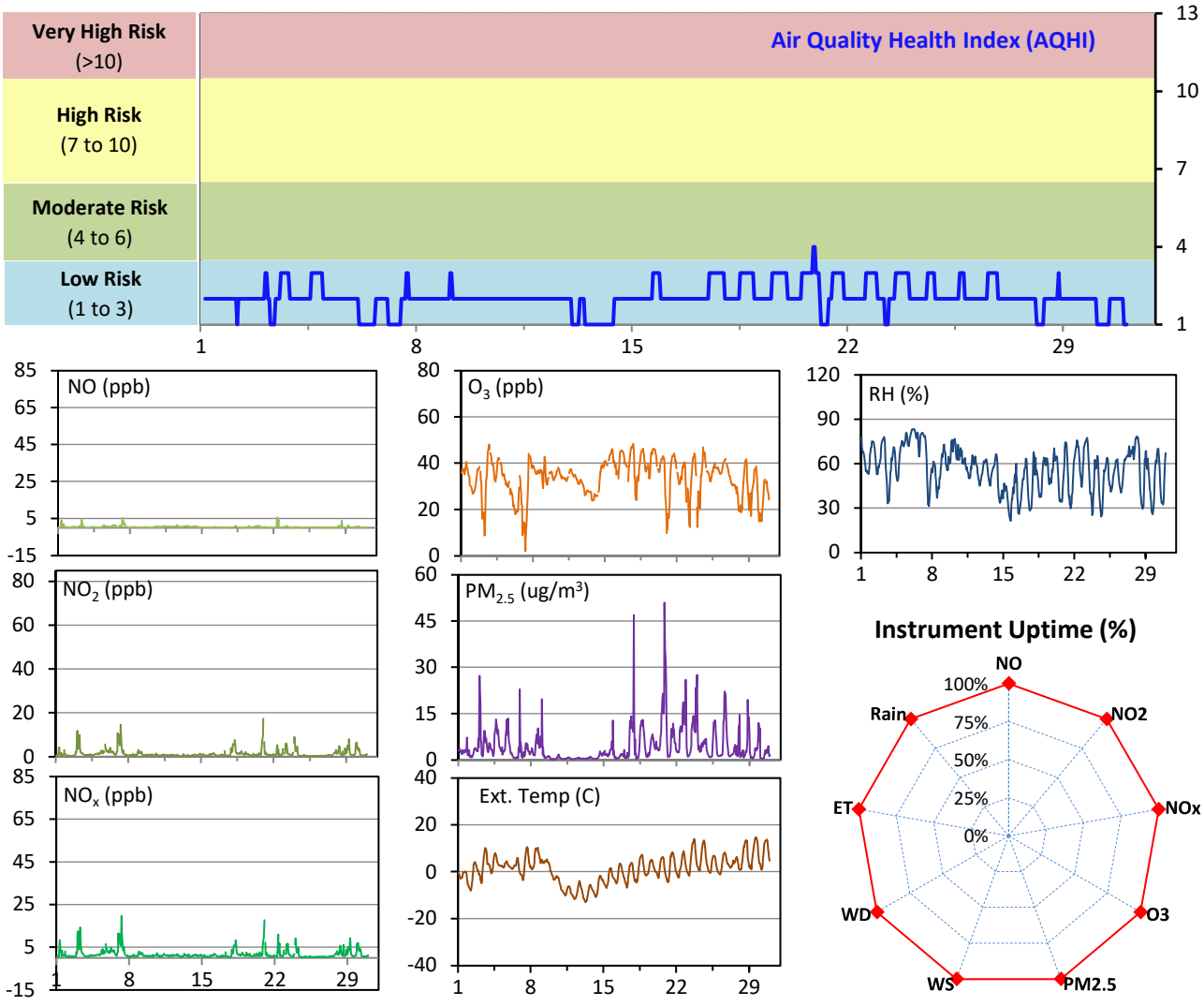


Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	kph	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6
SO_2	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172
NO_2	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212
H_2S	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 - April 2022 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum Conc.	Maximum Time	SAAQS Objective	Exceed Days	Maximum Conc.	Maximum Time	SAAQS Objective	Exceed Hours
NO	ppb	0.4	100.0%	1.3	Apr-7	-	-	5.6	Apr-22 08:00	-	-
NO_2	ppb	1.4	100.0%	3.8	Apr-7	106	0	17.4	Apr-21 00:00	159	0
NOx	ppb	1.8	100.0%	5.1	Apr-7	-	-	19.8	Apr-07 06:00	-	-
O_3	ppb	34	100.0%	42	Apr-15	-	-	48	Apr-17 18:00	82	0
$PM_{2.5}$	ug/m3	4	100.0%	14	Apr-20	28	0	51	Apr-20 20:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



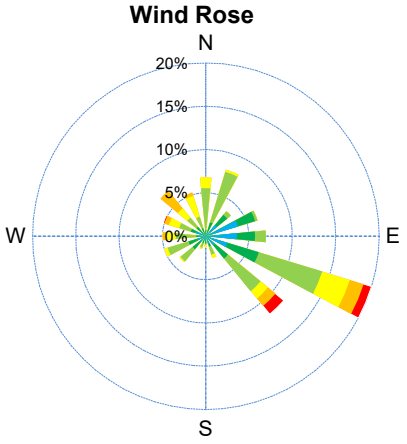
Monthly Update

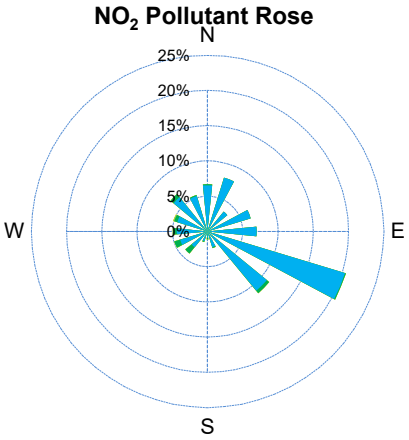
*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

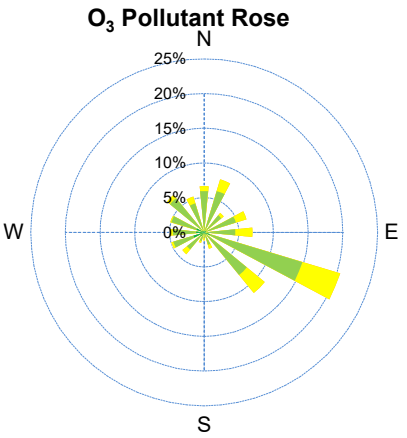
*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.

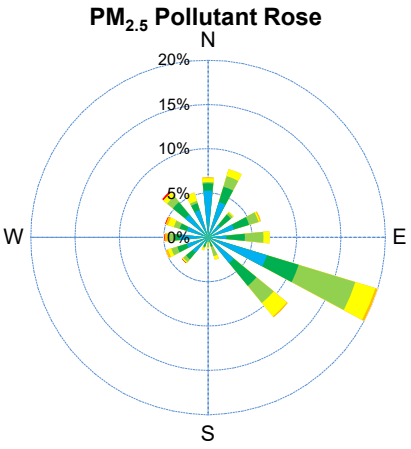
*All compliance parameters were greater than 90% operational.

WYAMZ Meadow Lake City Station - April 2022 Summary Report







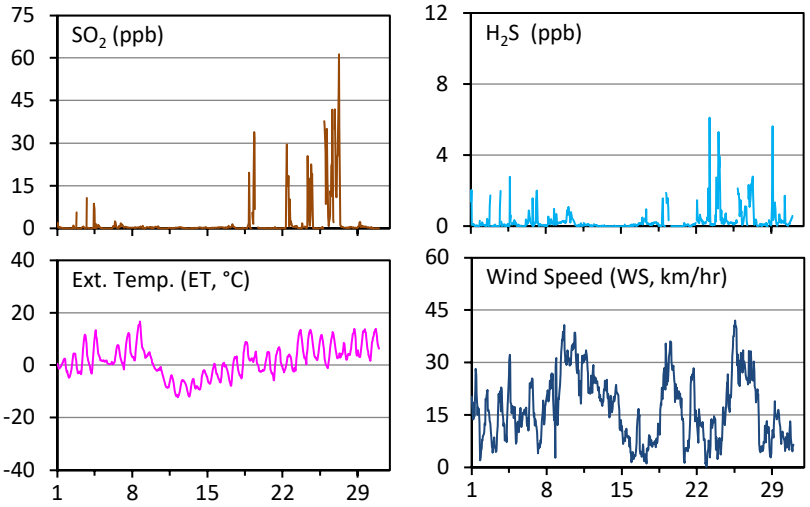


Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	kph	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6
NO_2	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212
O_3	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 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

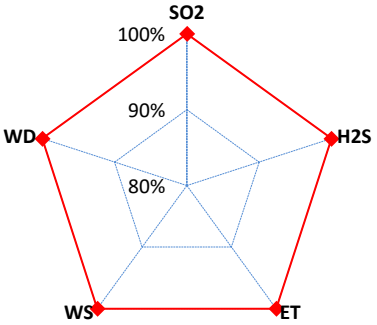
Cenovus Energy Inc West Station - April 2022 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum Conc.	Maximum Time	AAAQO / SAAQS	Exceed Days	Maximum Conc.	Maximum Time	AAAQO / SAAQS	Exceed Hours
SO_2	ppb	2.0	100.0%	17.9	Apr-26	48 / 48	0 / 0	61.3	Apr-27 07:00	172 / 172	0 / 0
H_2S	ppb	0.3	100.0%	1.1	Apr-24	3 / 3.6	0 / 0	6.0	Apr-23 07:00	10 / 11.0	0 / 0

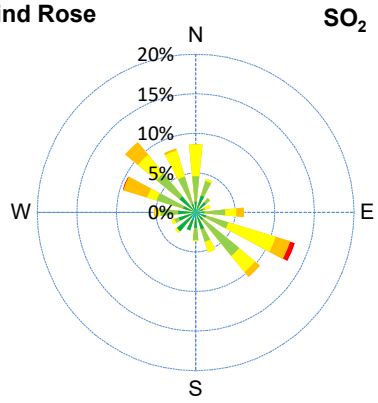
AAAQO: Alberta Ambient Air Quality Objectives; SAAQS: Saskatchewan Ambient Air Quality Standards.



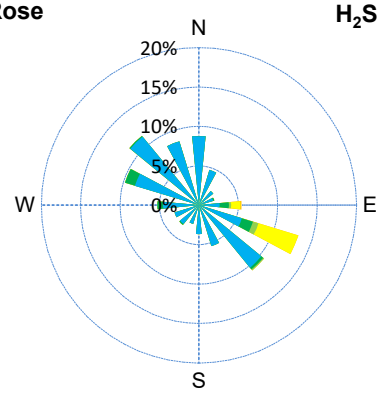
Uptime (%)



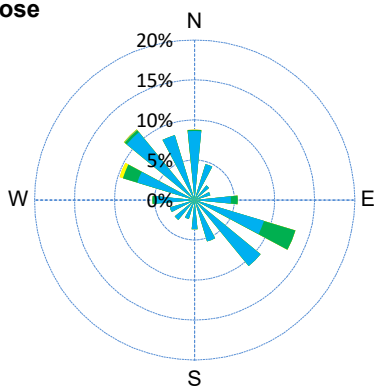
Wind Rose



SO_2 Rose



H_2S 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_2S	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.

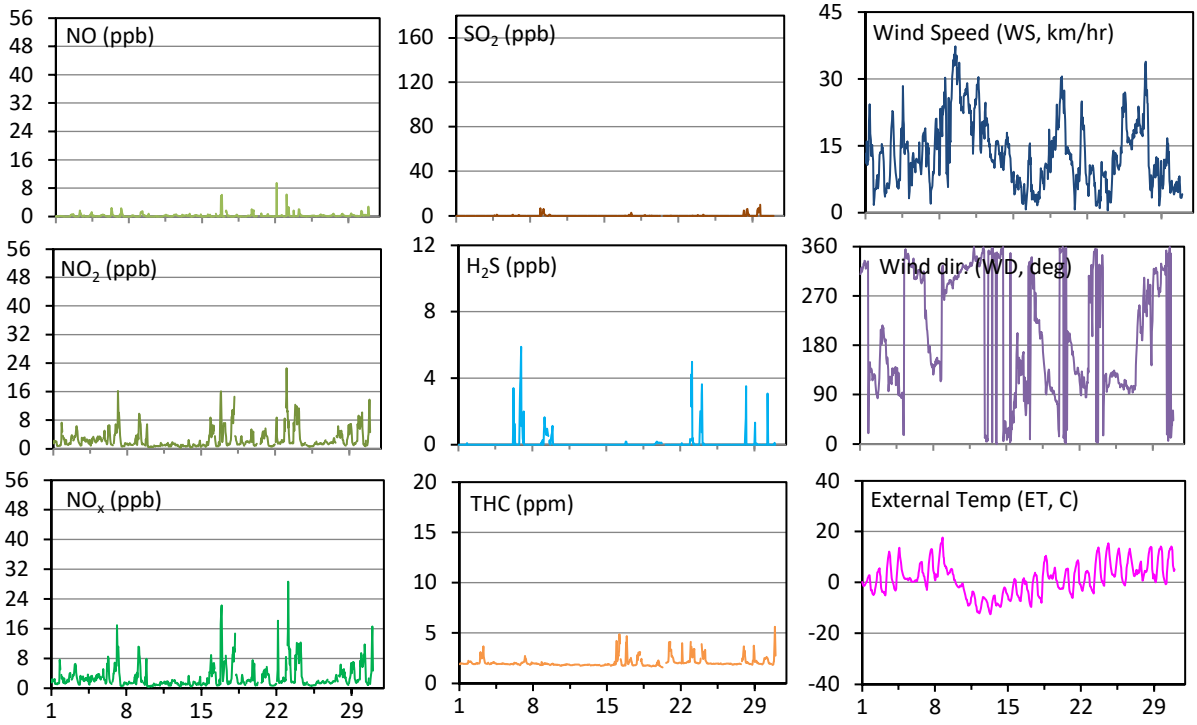
*All compliance parameters were within the Alberta Ambient Air Quality Objectives and the Saskatchewan Ambient Air Quality Standards.

*All compliance parameters were 100% operational. There are no operational issues to report.

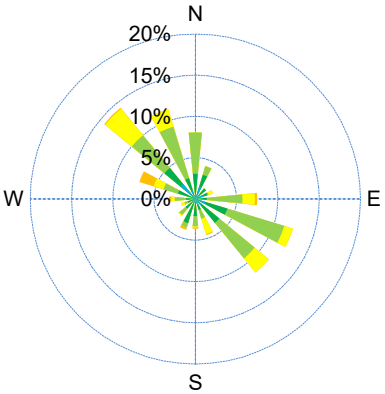
Husky Oil Operations Limited East Station - April 2022 Summary Report

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	0.3	100.0%	0.9	Apr-16	-	-	9.5	Apr-22 04:00	-	-
NO_2	ppb	2.6	100.0%	6.3	Apr-23	106	0	22.5	Apr-23 03:00	159	0
NOx	ppb	2.9	100.0%	6.9	Apr-23	-	-	28.7	Apr-23 03:00	-	-
SO_2	ppb	0.2	100.0%	2.0	Apr-29	48	0	9.9	Apr-29 18:00	172	0
H_2S	ppb	0.1	100.0%	0.5	Apr-9	3.6	0	5.9	Apr-06 23:00	11.0	0
THC	ppm	2.1	100.0%	2.5	Apr-16	-	-	5.6	Apr-30 23:00	-	-

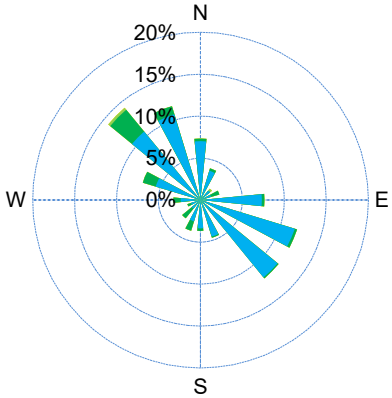
SAAQS: Saskatchewan Ambient Air Quality Standards



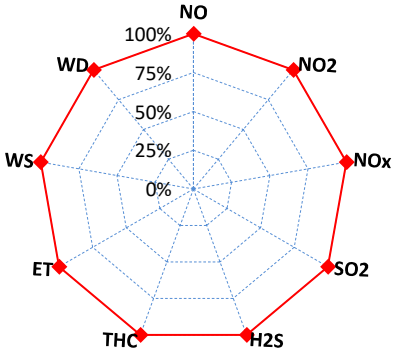
Wind Rose



NO_2 Pollutant Rose



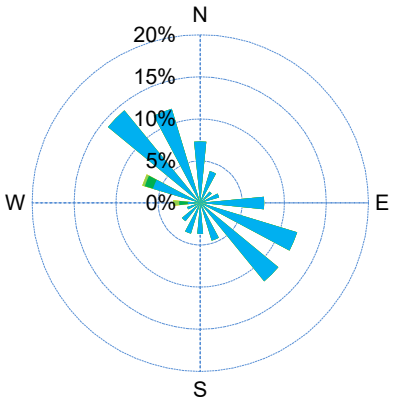
Instrument Uptime (%)



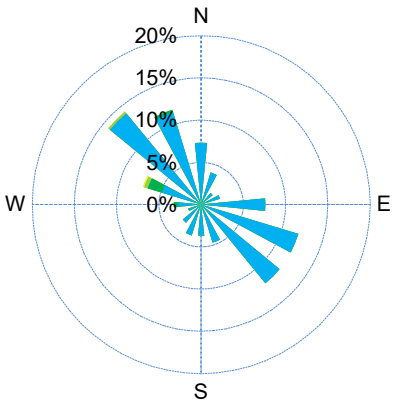
Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	km/hr	1 ≤ WS < 5	5 ≤ WS < 10	10 ≤ WS < 20	20 ≤ WS < 30	30 ≤ WS < 40	WS ≥ 40
SO_2	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172
NO_2	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212
H_2S	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

Husky Oil Operations Limited East Station - April 2022 Summary Report

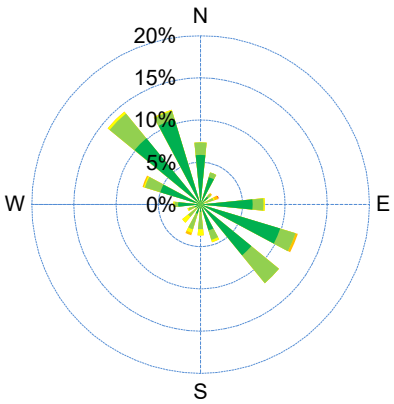
SO_2 Pollutant Rose



H_2S Pollutant Rose



THC Pollutant Rose



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 100% operational.