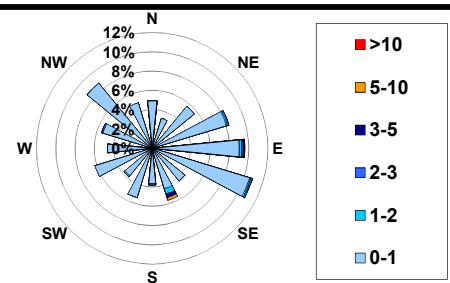
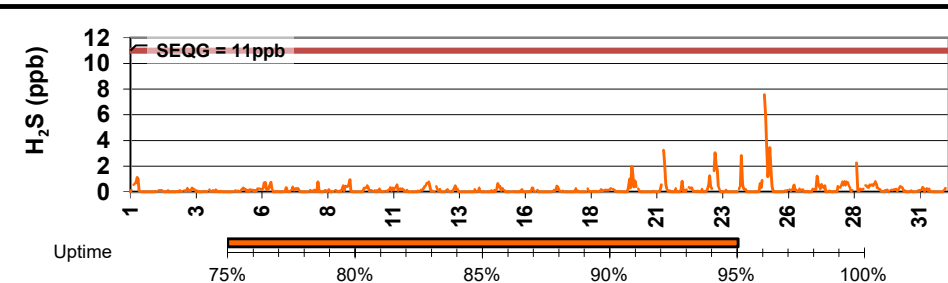
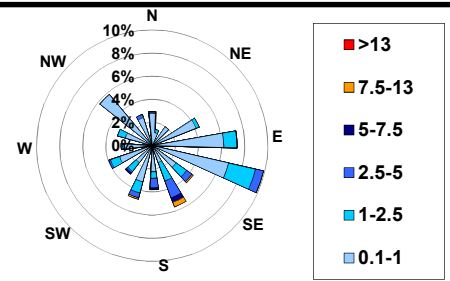
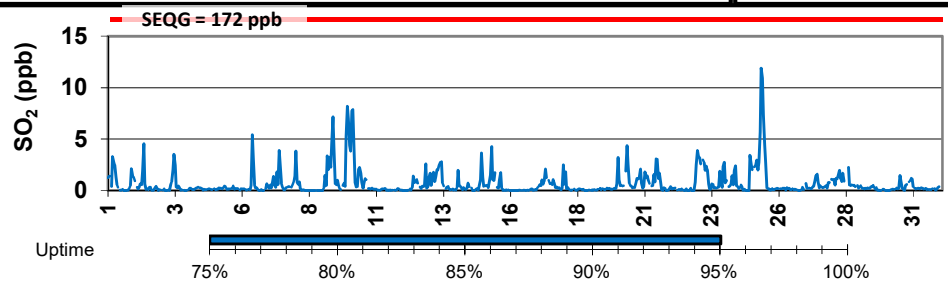
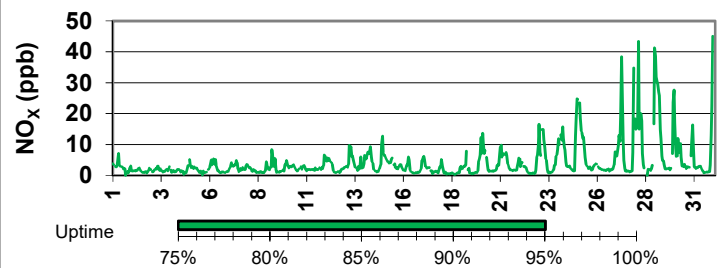
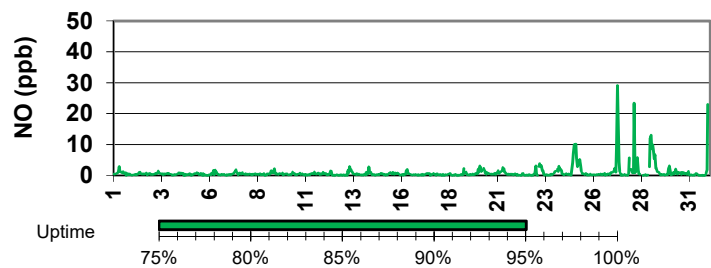
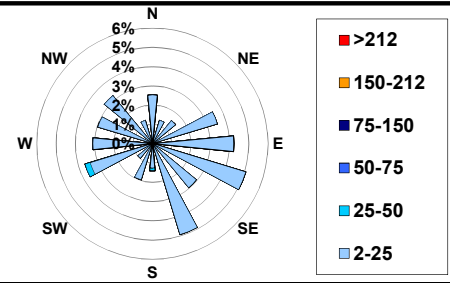
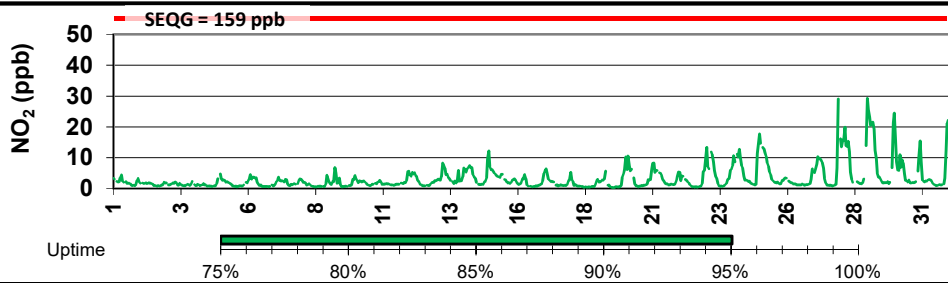
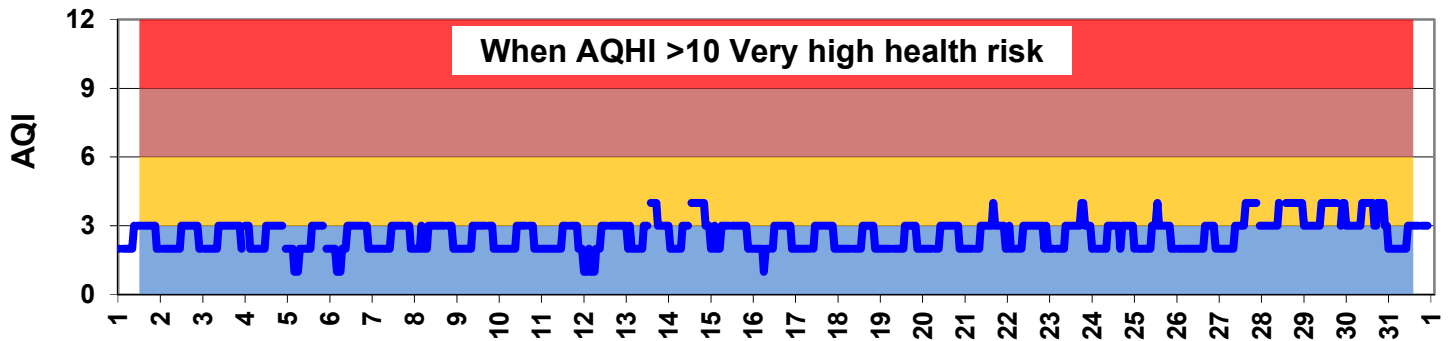
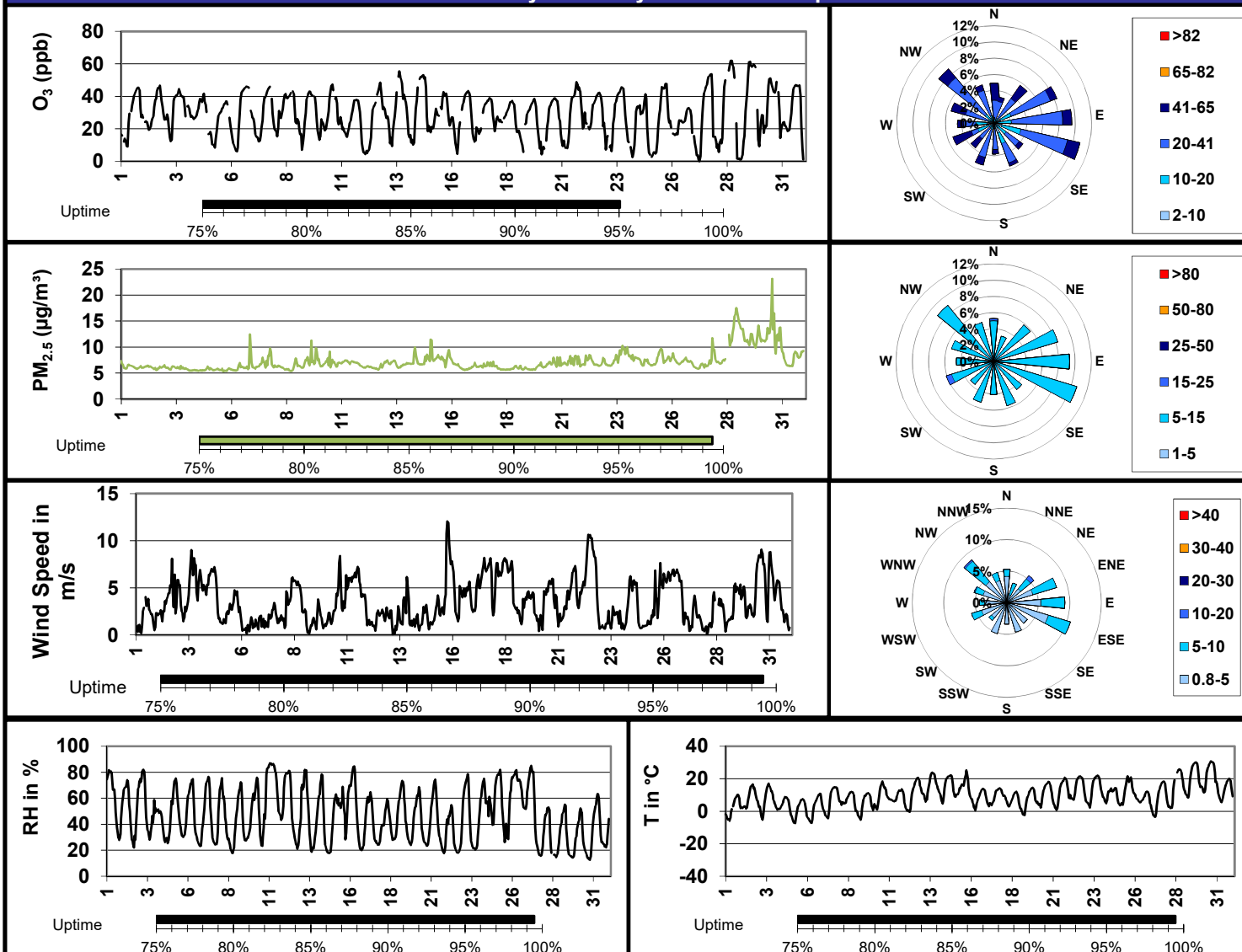


SESAA - May 2019 Weyburn Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.9	95.0%	29.1	-	May-27 06:00	3.3	-	May-27	- / -
NO ₂ (ppb)	3.4	95.0%	29.2	159	May-28 23:00	9.9	106	May-29	0 / 0
NO _x (ppb)	4.2	95.0%	49.8	-	Jun-01 00:00	12.7	-	May-29	- / -
SO ₂ (ppb)	0.7	95.0%	11.9	172	May-25 08:00	2.5	-	May-25	0 / 0
H ₂ S (ppb)	0.2	95.0%	7.6	11	May-25 02:00	1.1	3.6	May-25	0 / 0
O ₃ (ppb)	28.6	95.0%	62.0	82	May-28 17:00	32.9	63	May-30	0 / 0
PM _{2.5} (µg/m ³)	7.2	99.5%	23.1	-	May-30 13:00	12.7	30	May-30	- / 0



SESAA - May 2019 Weyburn Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
5/25/2019 2:00	13.4	2.3	7.6	2.8	6.5	1.0	160.7	3.6	78.0

Update Summary:

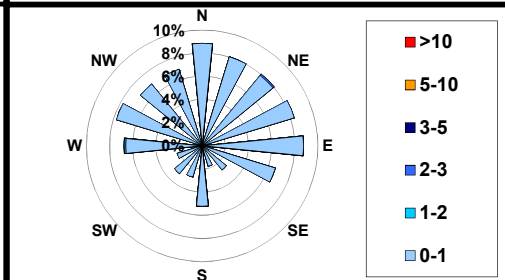
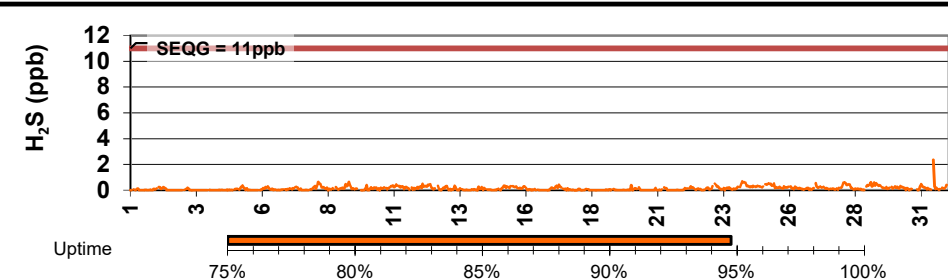
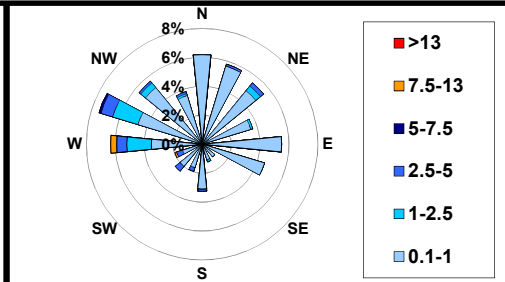
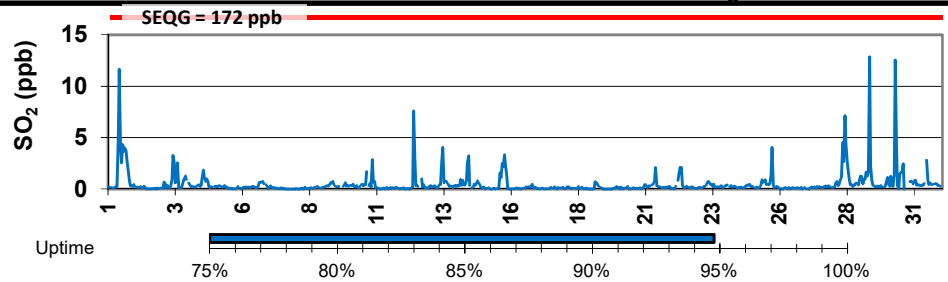
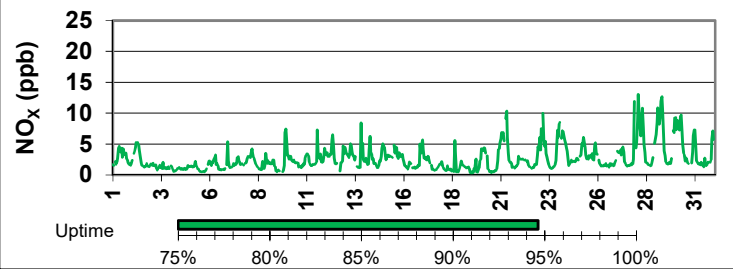
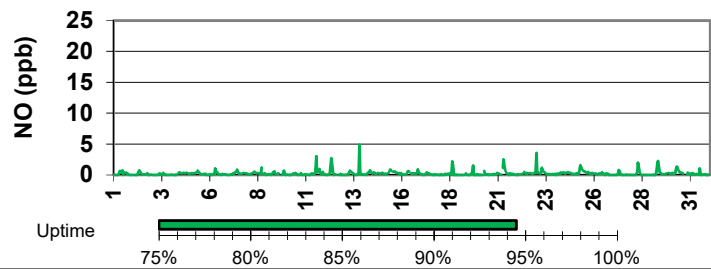
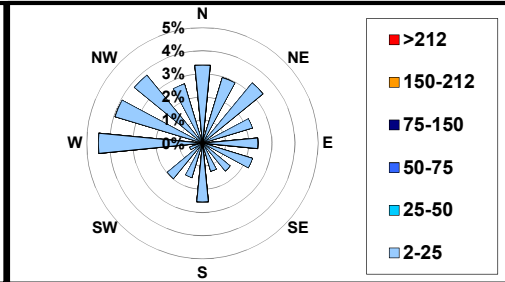
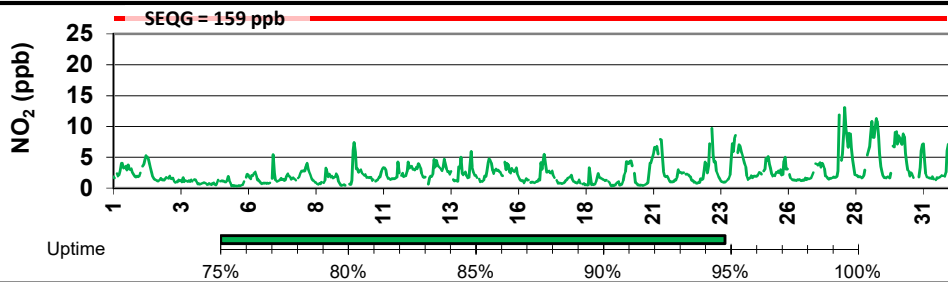
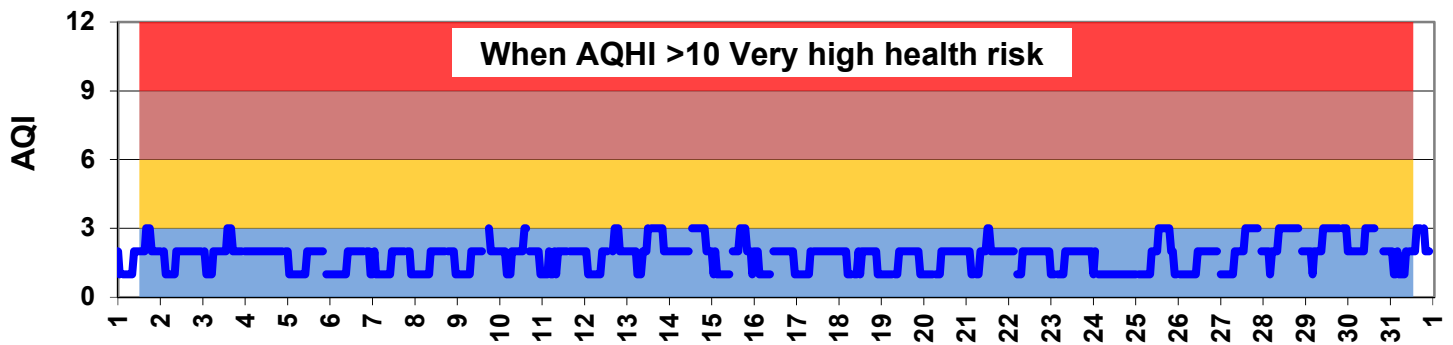
There were no exceedance in the month of May 2019, the maximum hydrogen sulphide occurred during south-eastern winds.

Instruments uptime remained >95%. Flow / Pressure warnings were resolved during site visit May 28

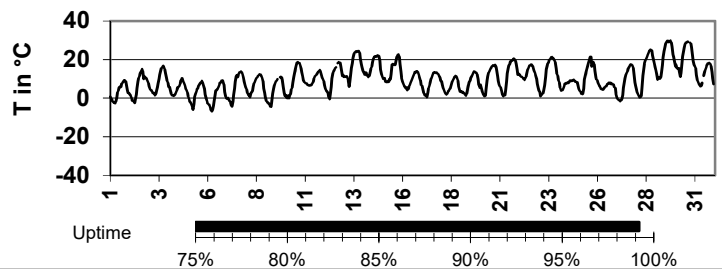
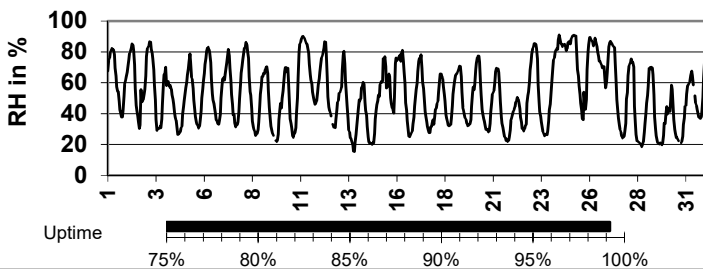
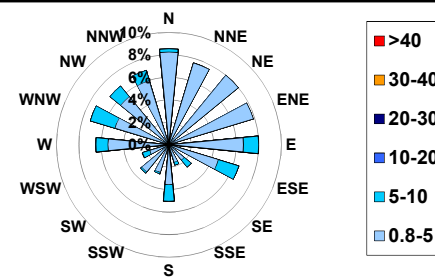
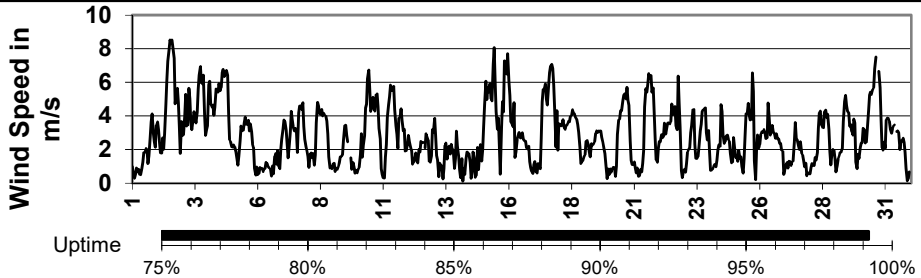
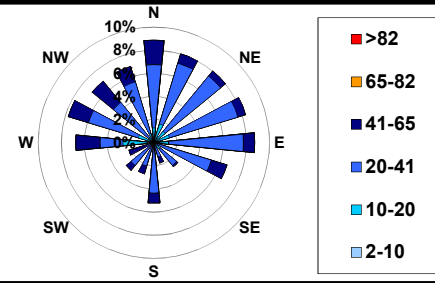
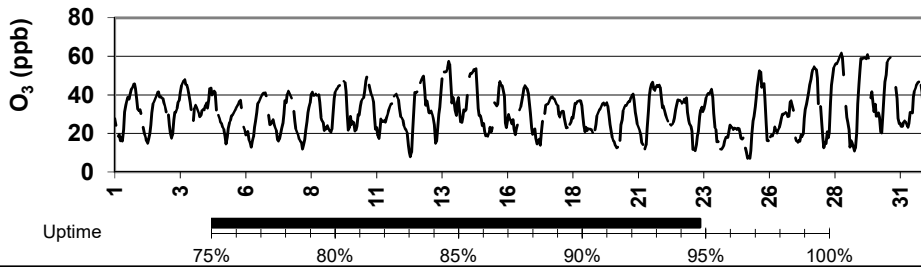
Data showed a low to moderate Air Quality Health Index for the month.

SESAA - May 2019 Glen Ewen Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.2	94.5%	4.9	-	May-13 19:00	0.5	-	May-25	- / -
NO ₂ (ppb)	2.5	94.8%	13.1	159	May-28 02:00	5.5	106	May-29	0 / 0
NO _x (ppb)	2.7	94.6%	13.0	-	May-28 02:00	5.8	-	May-29	- / -
SO ₂ (ppb)	0.5	94.8%	12.9	172	May-29 08:00	2.0	-	May-01	0 / 0
H ₂ S (ppb)	0.1	94.8%	2.4	11	May-31 11:00	0.3	3.6	May-24	0 / 0
O ₃ (ppb)	31.4	94.8%	61.7	82	May-28 18:00	37.9	63	May-28	0 / 0
PM _{2.5} (µg/m ³)									



SESAA - May 2019 Glen Ewen Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
5/31/2019 11:00	1.3	2.8	2.4	30.7	-	3.1	38.2	11.6	51.6

Update Summary:

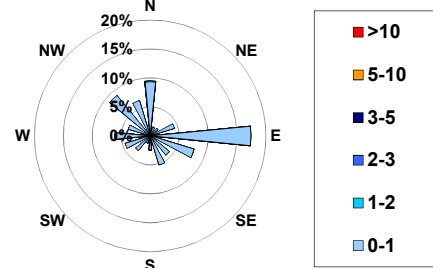
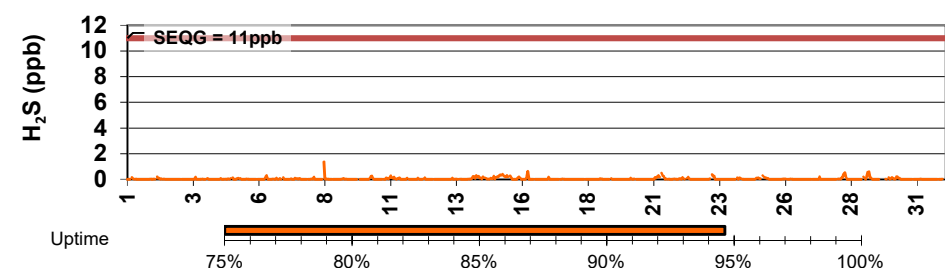
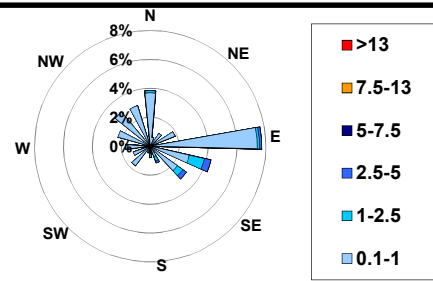
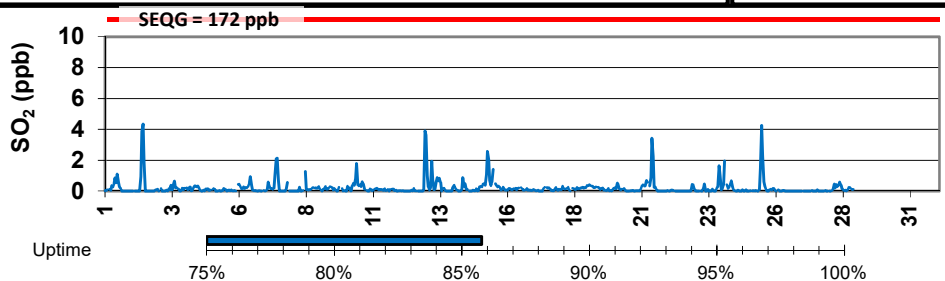
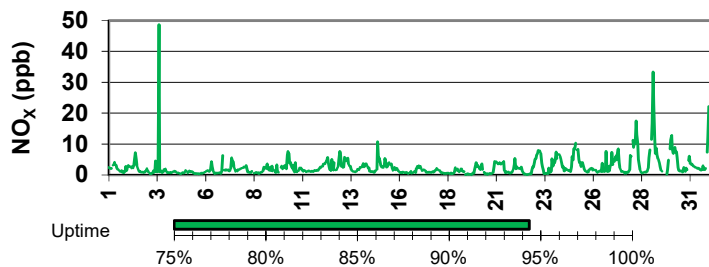
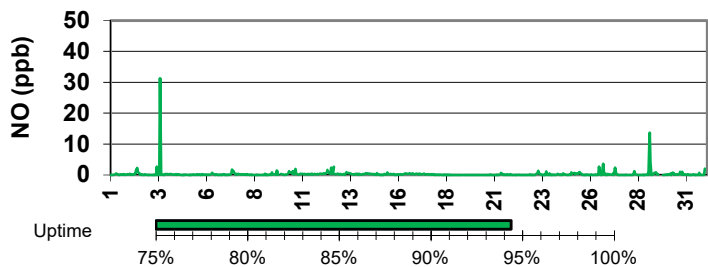
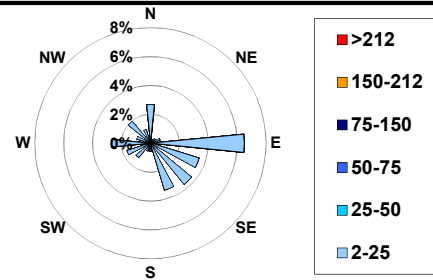
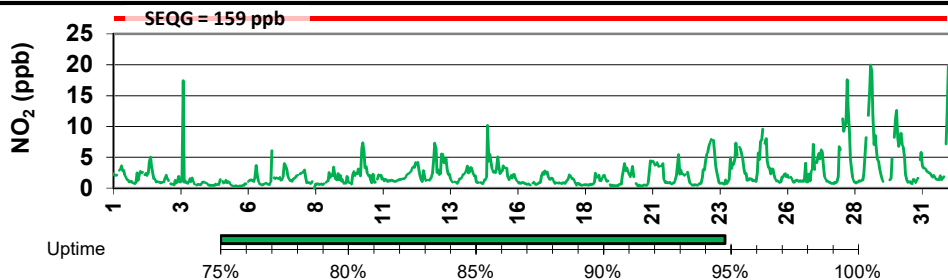
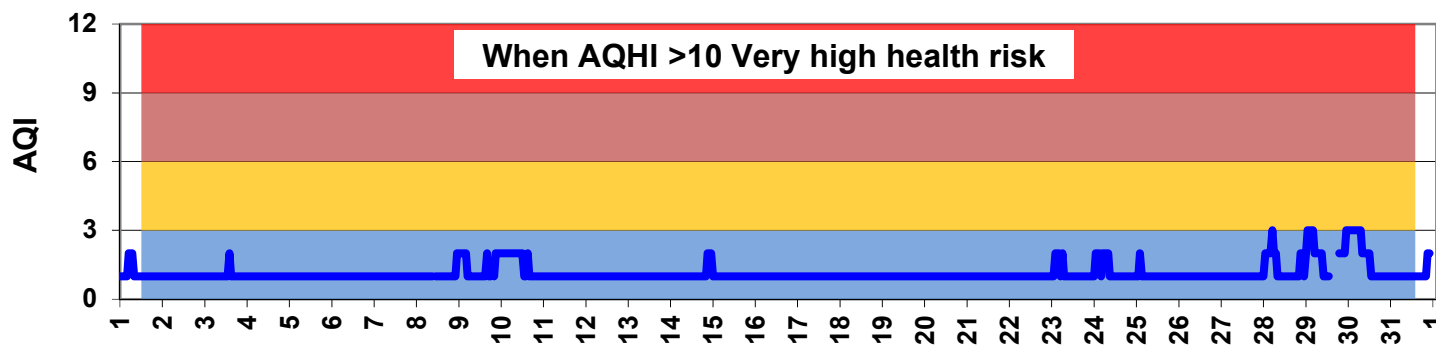
There were no exceedance during the month of May 2019, the maximum hydrogen sulphide was during winds from the north-east

Instrument uptimes were >94%

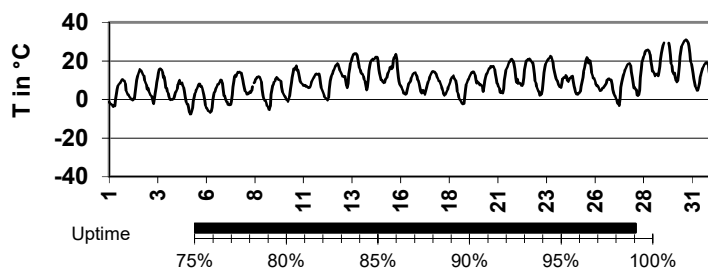
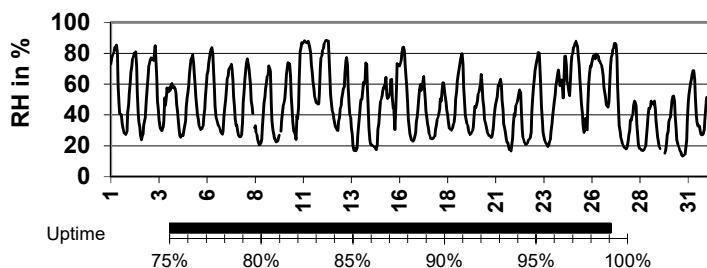
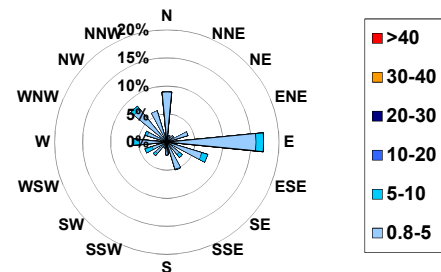
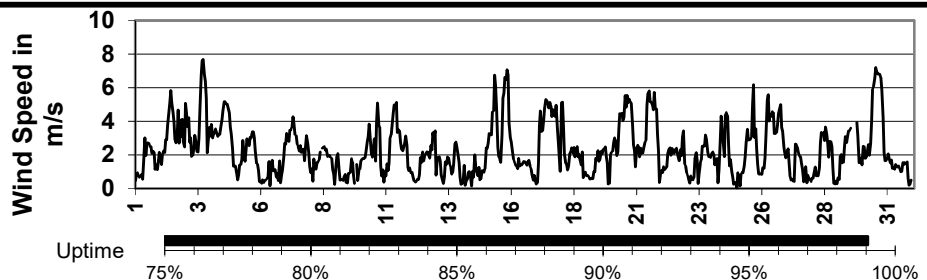
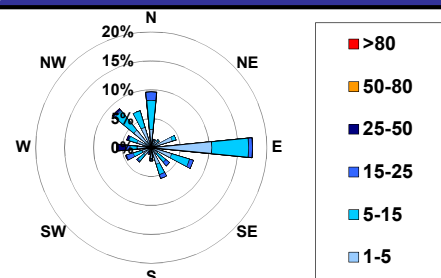
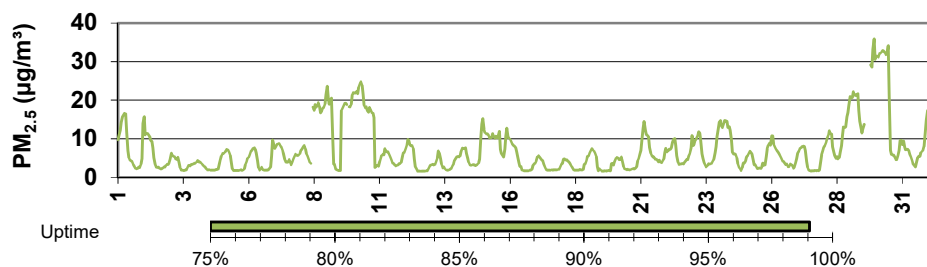
Data showed a low Air Quality Health Index (AQHI) for the month (in the absence of PM_{2.5})

SESAA - May 2019 Stoughton Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.3	94.4%	31.3	-	May-03 14:00	1.6	-	May-03	- / -
NO ₂ (ppb)	2.4	94.8%	20.4	159	Jun-01 00:00	5.6	106	May-29	0 / 0
NO _x (ppb)	2.6	94.4%	48.7	-	May-03 14:00	6.4	-	May-29	- / -
SO ₂ (ppb)	0.2	85.8%	4.4	172	May-02 10:00	0.5	-	May-15	0 / 0
H ₂ S (ppb)	0.0	94.6%	1.4	11	May-08 11:00	0.2	3.6	May-15	0 / 0
O ₃ (ppb)									
PM _{2.5} (µg/m ³)	7.2	99.1%	35.9	-	May-29 22:00	20.0	30	May-30	- / 0



SESAA - May 2019 Stoughton Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
5/8/2019 11:00	0.0	1.3	1.4	-	18.2	2.4	359.8	8.7	31.7

Update Summary:

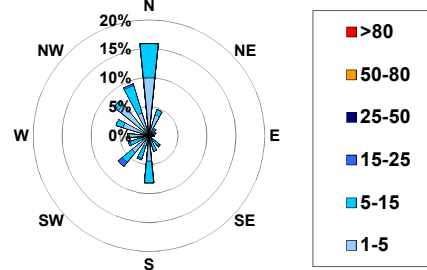
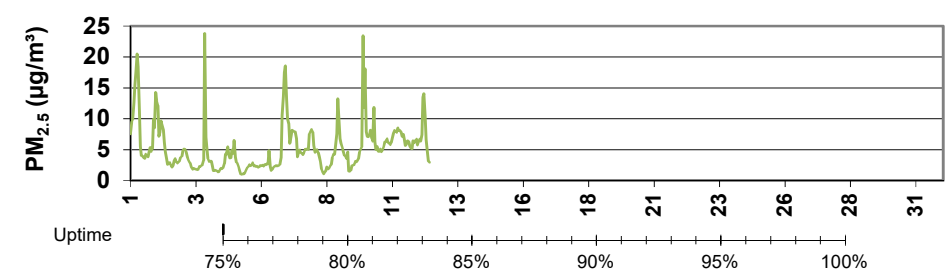
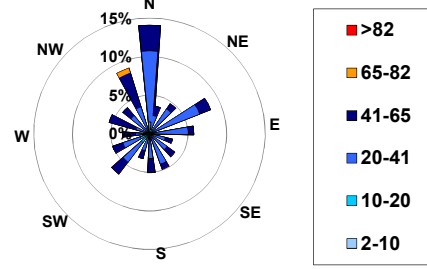
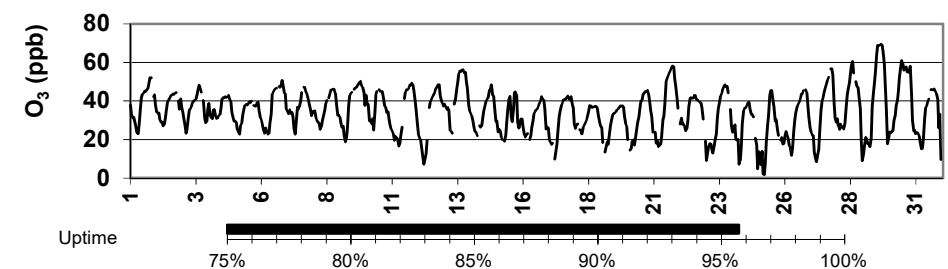
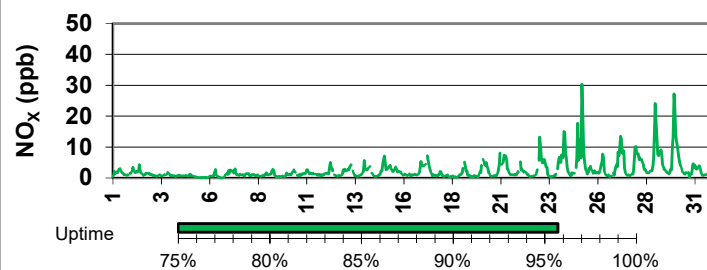
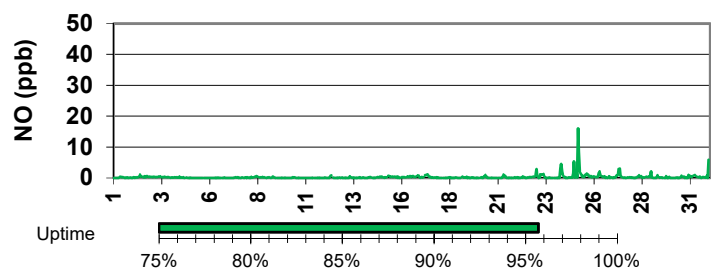
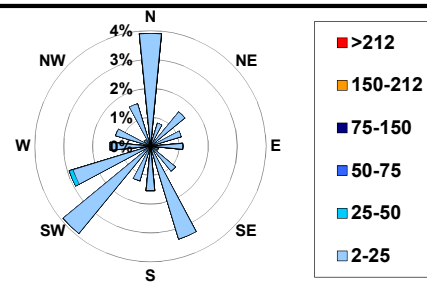
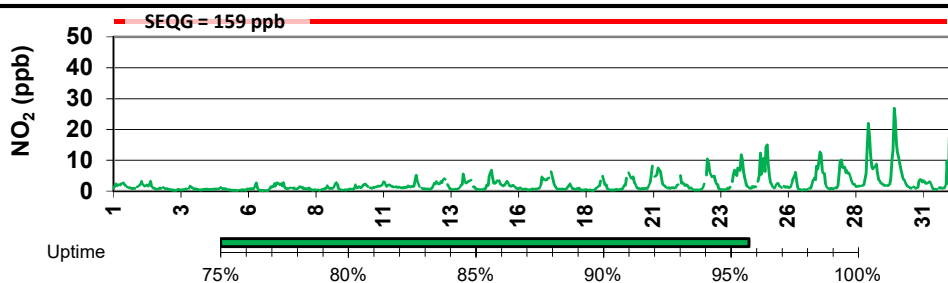
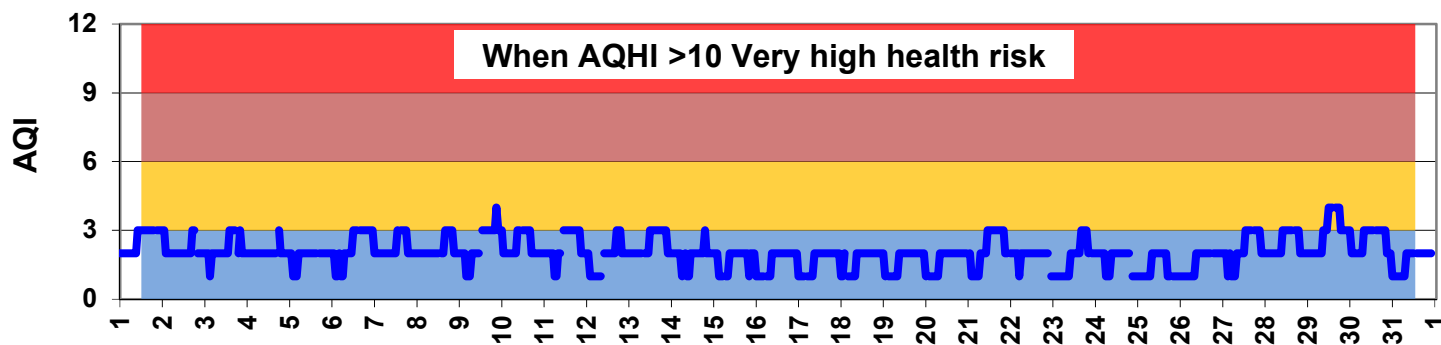
There were no exceedances in the month of May 2019

Instrument uptimes remained >95%, with exception of SO₂ which remained >85% as there was pressure issues related to instrument. Site maintenance was conducted on May 29

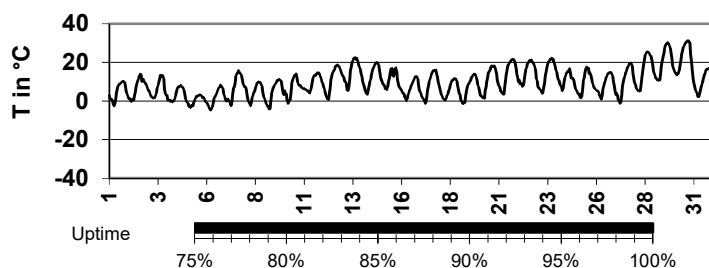
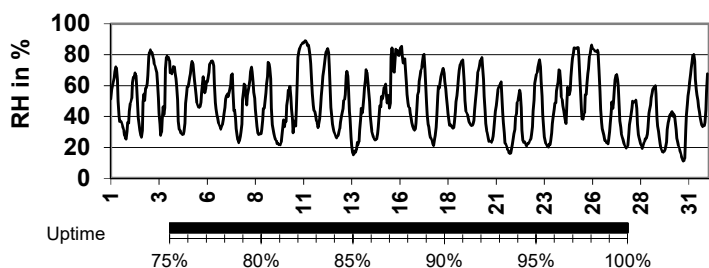
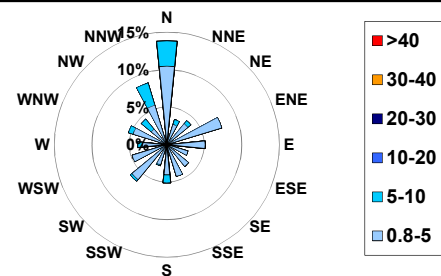
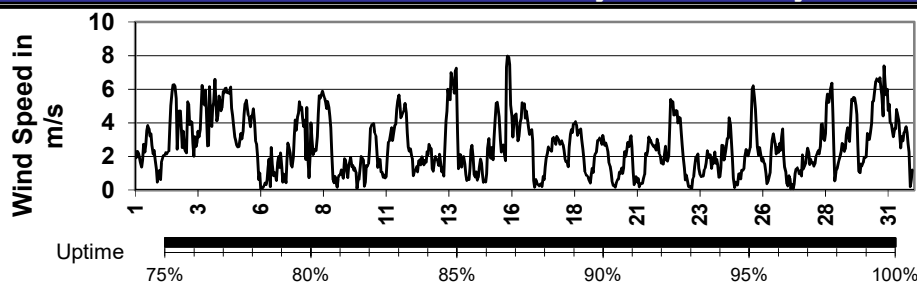
Data showed a low Air Quality Health Index (AQHI) for the month (in the absence of ozone)

SESAA - May 2019 Esterhazy Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.3	95.7%	16.1	-	May-25 04:00	1.7	-	May-25	- / -
NO ₂ (ppb)	2.3	95.7%	26.9	159	May-29 22:00	7.4	106	May-29	0 / 0
NO _x (ppb)	2.5	95.7%	30.3	-	May-25 04:00	7.4	-	May-29	- / -
SO ₂ (ppb)									
H ₂ S (ppb)									
O ₃ (ppb)	34.2	95.7%	69.4	82	May-29 16:00	41.1	63	May-13	0 / 0
PM _{2.5} (µg/m ³)	5.3	36.9%	23.8	-	May-03 20:00	8.7	30	May-01	- / 0



SESAA - May 2019 Esterhazy Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
5/3/2018 20:00	1.6	-	-	31.3	23.8	4.8	340.4	6.2	70.9

Update Summary:

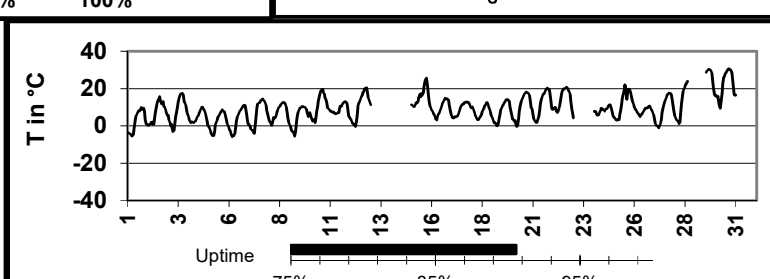
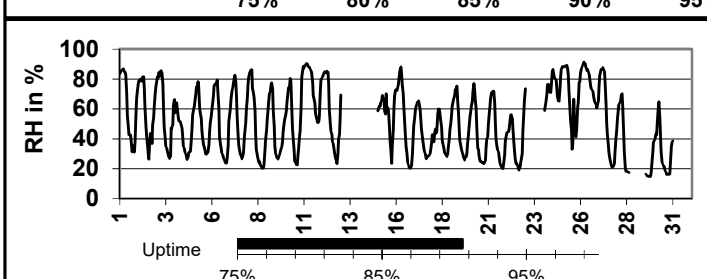
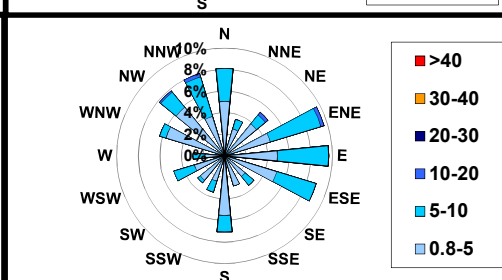
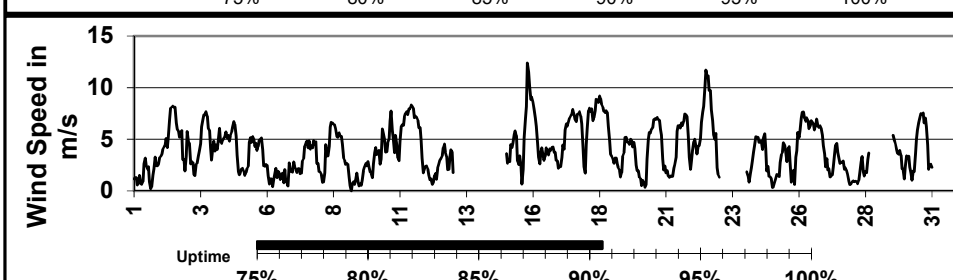
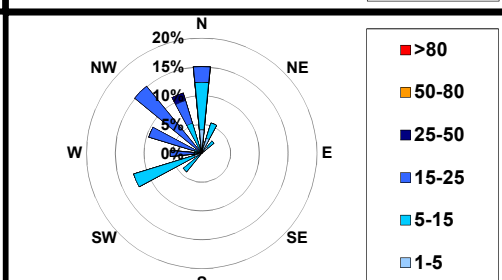
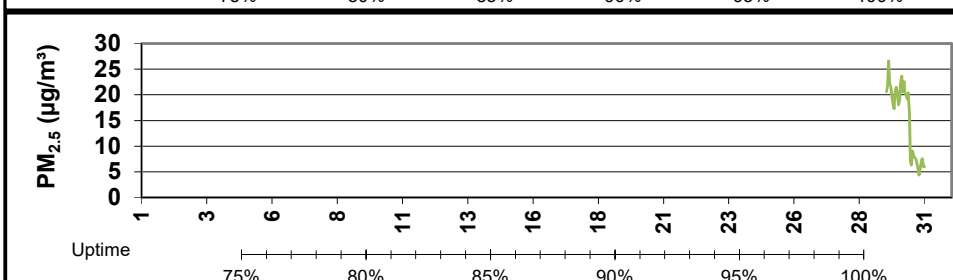
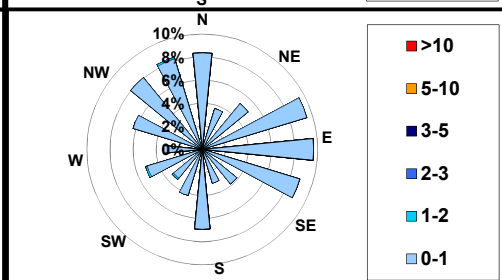
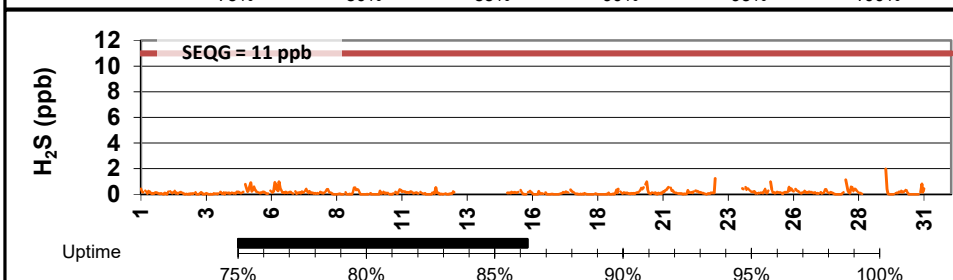
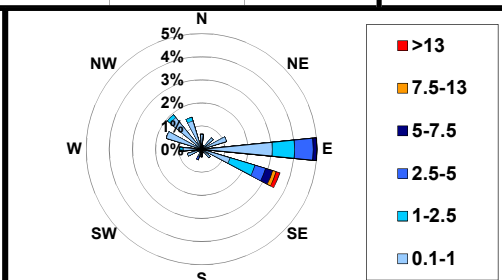
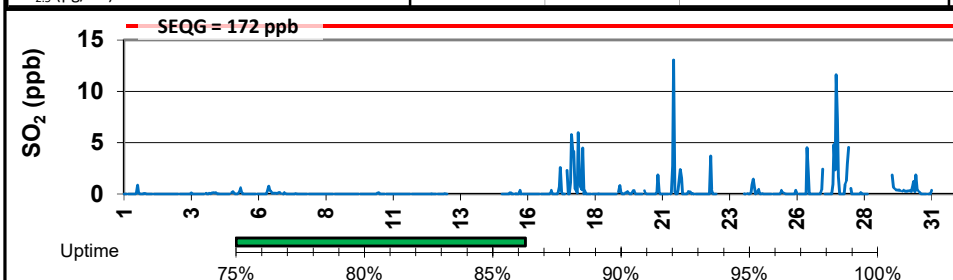
There were no exceedances for the month of May 2019;

All instruments remained at >95% uptime with exception of PM_{2.5} (<40%) as a result of pump failure, rebuild kit ordered and maintenance planned

Data showed a low Air Quality Health Index (AQHI) for the month.

SESAA - May 2019 Torquay Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
SO ₂ (ppb)	0.2	86.3%	13.1	172	May-21 10:00	1.6	48	May-27	0 / 0
H ₂ S (ppb)	0.2	86.3%	2.0	11	May-29 13:00	0.4	4	May-31	0 / 0
PM _{2.5} (µg/m ³)									



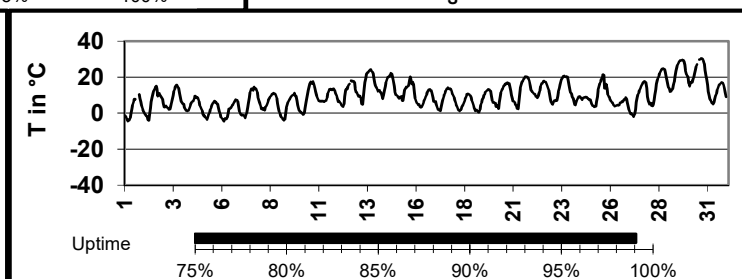
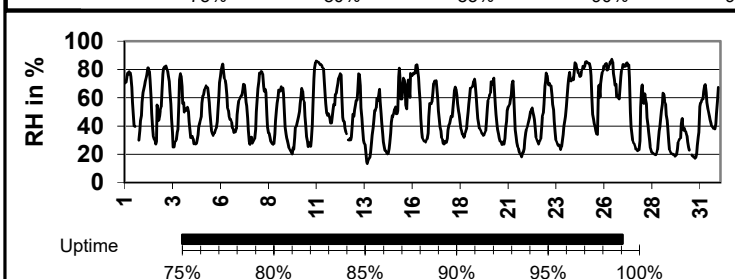
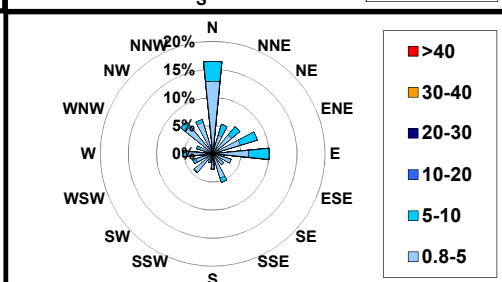
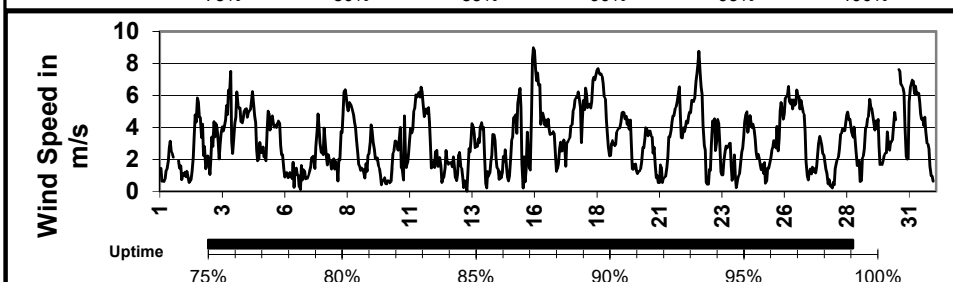
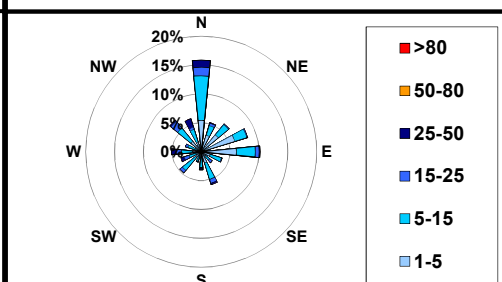
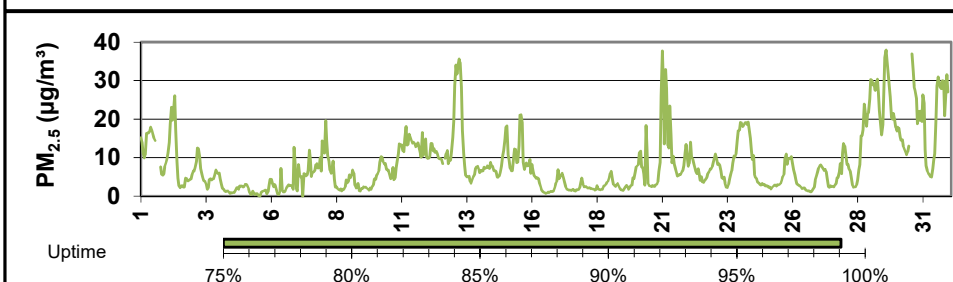
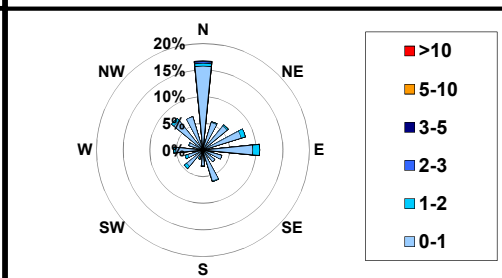
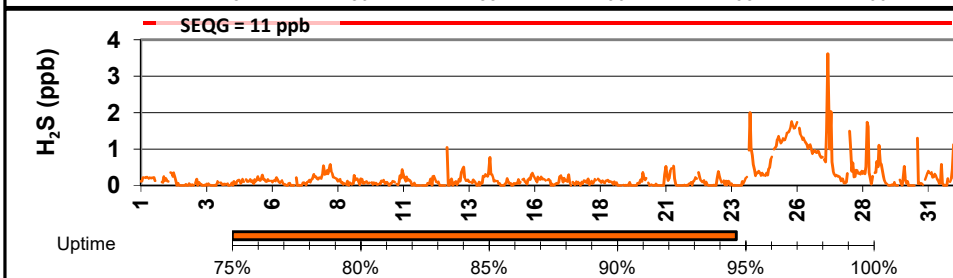
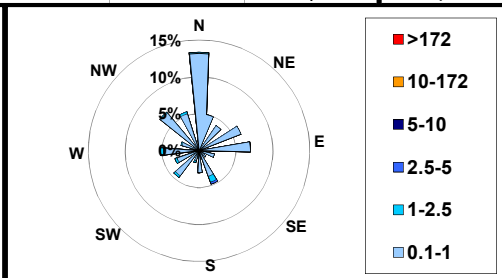
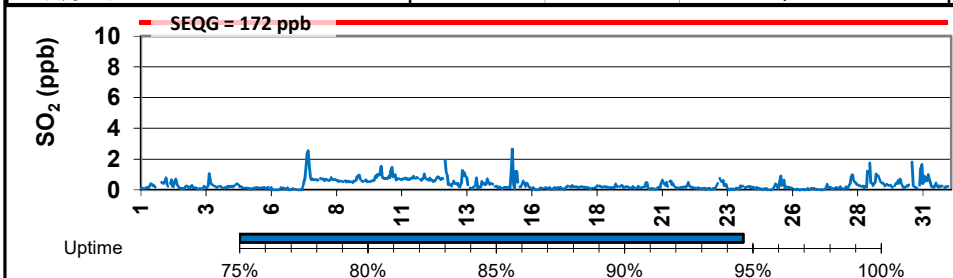
Update Summary:

There was no exceedance in the month of May 2019, the maximum hydrogen sulphide concentration was during winds from the south east.

Instrument uptime was >85% and the PM_{2.5} was installed during site maintenance on May 29-30

SESAA - May 2019 Wauchope Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
SO ₂ (ppb)	0.3	94.6%	2.7	172	May-15 06:00	0.9	-	May-10	0 / 0
H ₂ S (ppb)	0.2	94.6%	3.6	11	May-27 04:00	1.3	3.6	May-25	0 / 0
PM _{2.5} (µg/m ³)	8.4	99.1%	37.9	-	May-29 14:00	26.2	30	May-29	- / 0



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
5/29/2019 14:00	-	0.3	3.6	-	37.9	4.3	344.1	29.2	20.0

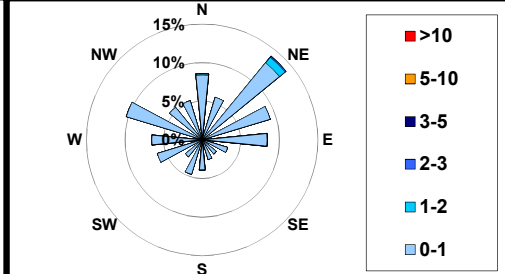
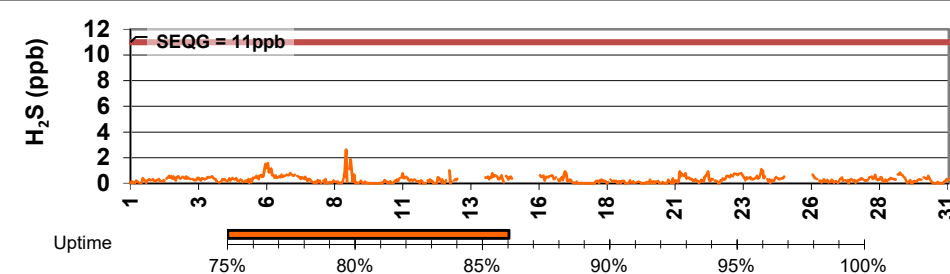
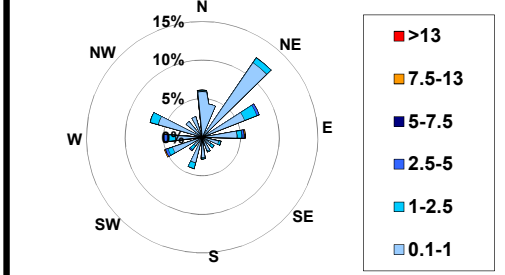
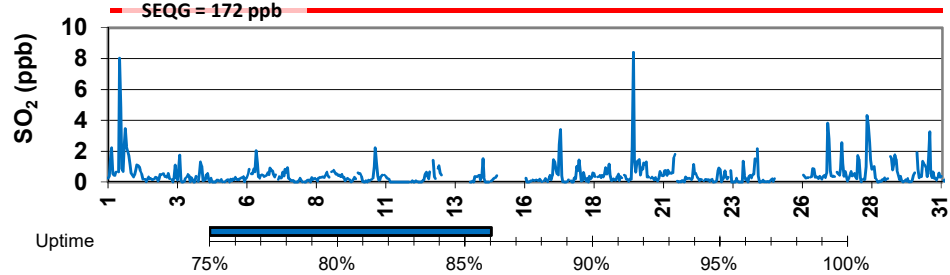
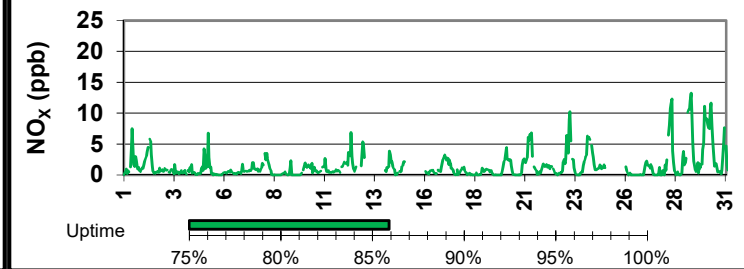
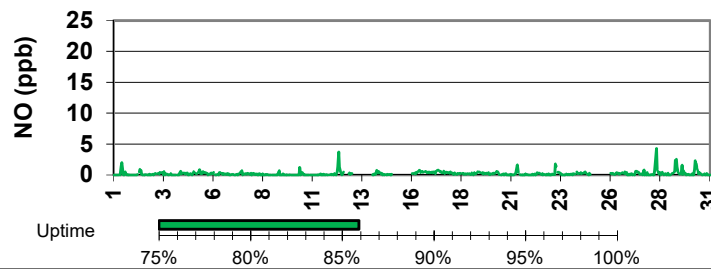
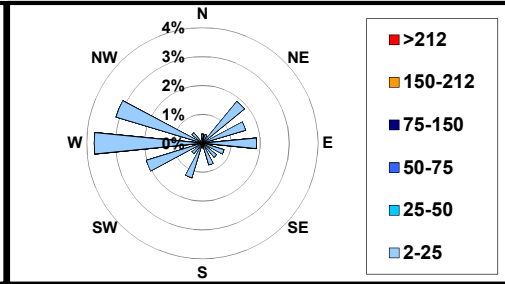
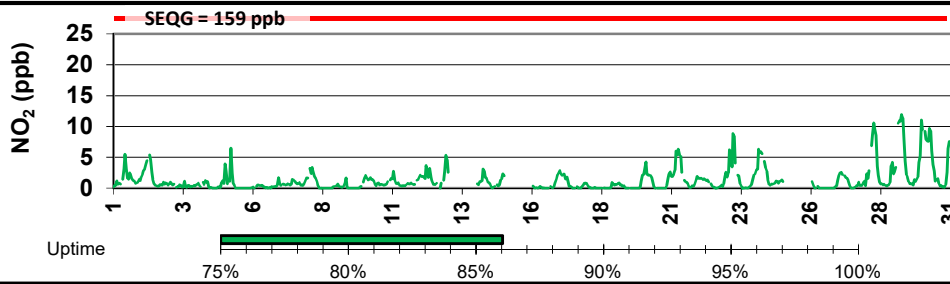
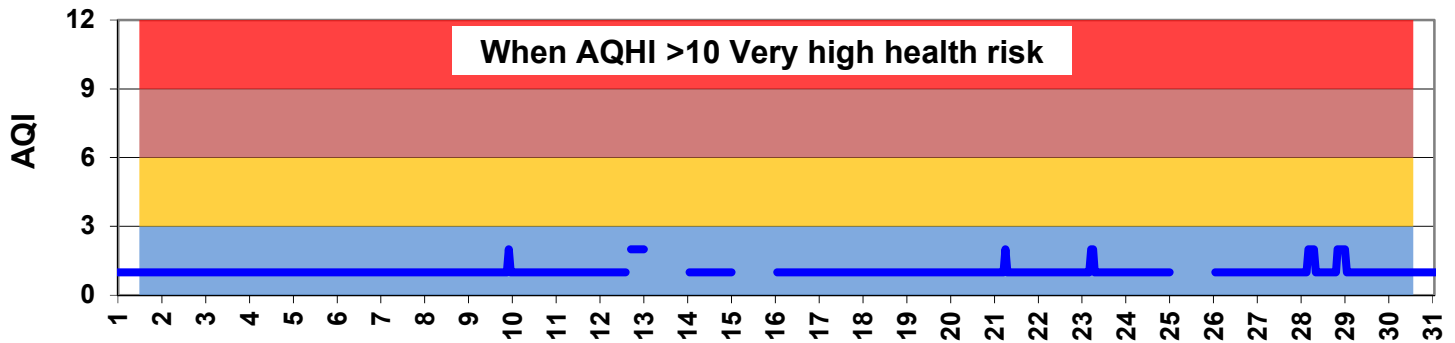
Update Summary:

There were no readings above the SEQG for the month of May 2019.

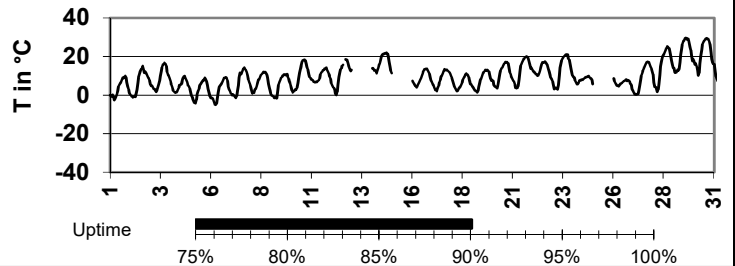
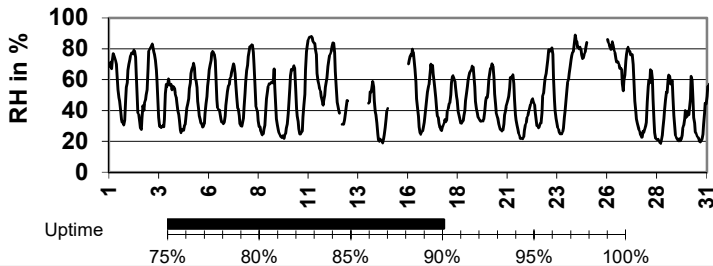
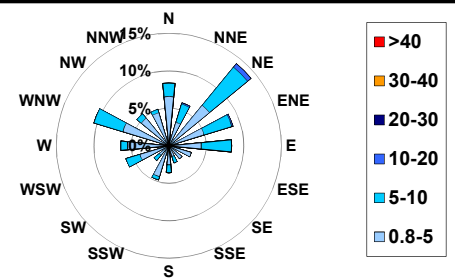
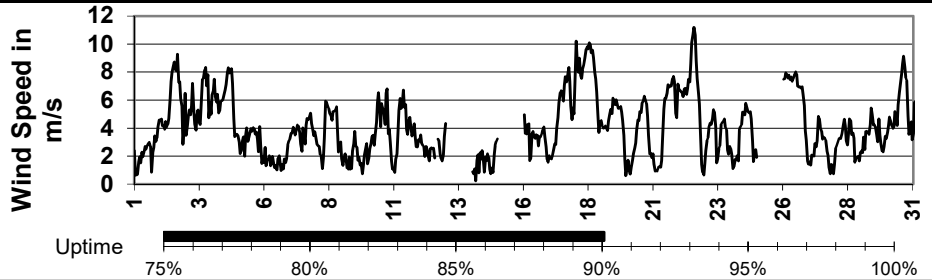
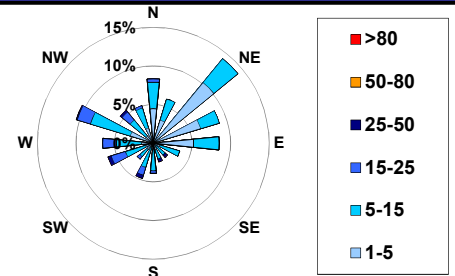
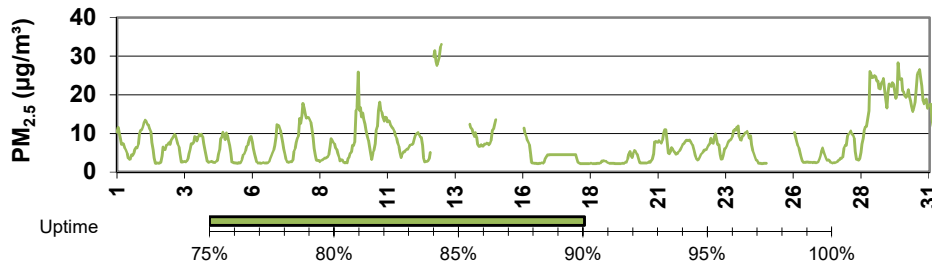
All instruments remained >94% uptime.

SESAA - May 2019 Oxbow Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.2	85.9%	4.3	-	May-28 08:00	0.5	-	May-29	- / -
NO ₂ (ppb)	1.3	86.0%	11.9	159	May-29 06:00	4.5	106	May-29	0 / 0
NO _x (ppb)	1.5	85.9%	13.2	-	May-29 07:00	4.6	-	May-29	- / -
SO ₂ (ppb)	0.5	86.0%	8.4	172	May-19 22:00	1.5	-	May-01	0 / 0
H ₂ S (ppb)	0.3	86.0%	2.6	11	May-08 22:00	0.7	3.6	May-06	0 / 0
O ₃ (ppb)									
PM _{2.5} (µg/m ³)	7.9	90.1%	33.1	-	May-13 00:00	22.4	30	May-29	- / 0



SESAA - May 2019 Oxbow Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
5/8/2019 22:00	0.3	0.4	2.6	-	8.6	2.7	47.5	3.5	47.6

Update Summary:

There were no exceedance in the month of February 2019, the maximum hydrogen sulphide was during winds from the north east

Instruments uptime were >85% due to instrument issues, maintenance on station was planned for late May but was pushed to first week in June.