

**Eagle Valley & Eagle Hill Ambient Air Quality Monitoring**  
**October 2024 - April 2025**  
**Summary Report**



**Prepared by Parkland Airshed Management Zone**

**for**

**Alberta Energy Regulator**

**June 2025**

## Background

In October 2024, the Parkland Airshed Management Zone (PAMZ) launched an air quality monitoring project, funded by a creative sentence from the Alberta Court of Justice following an Environmental Protection and Enhancement Act infraction. The project monitored air pollutants from October 2024 to April 2025 using the PAMZ Dr. Martha Kostuch Portable Air Quality Monitoring Station.

Data was collected at two locations. The first site was near the Eagle Valley Community Hall and located at Latitude 51.870323° & Longitude -114.522146°. It was operational from October 2 - December 30, 2024. The second site was near a local residence located at Latitude 51.867289° & Longitude -114.472184°. It was operational from January 2 - April 7, 2025. During this same period, PAMZ also operated its permanent Caroline Air Quality Monitoring Station located at Latitude 51.947160° and Longitude -114.697643°

These two portable monitoring sites were chosen based on public input on air quality concerns gathered at a community engagement session in Olds conducted by PAMZ on July 23, 2024. This input was reviewed by an ad hoc committee on August 13, 2024 who made the decision to conduct monitoring at two sites in the Eagle Valley and Eagle Hill areas based. This decision was based on long-standing concerns with air quality as expressed to Mountain View County. The monitoring would characterize the air quality at the sites during the monitoring periods and assess it against the relevant Alberta Ambient Air Quality Objectives.

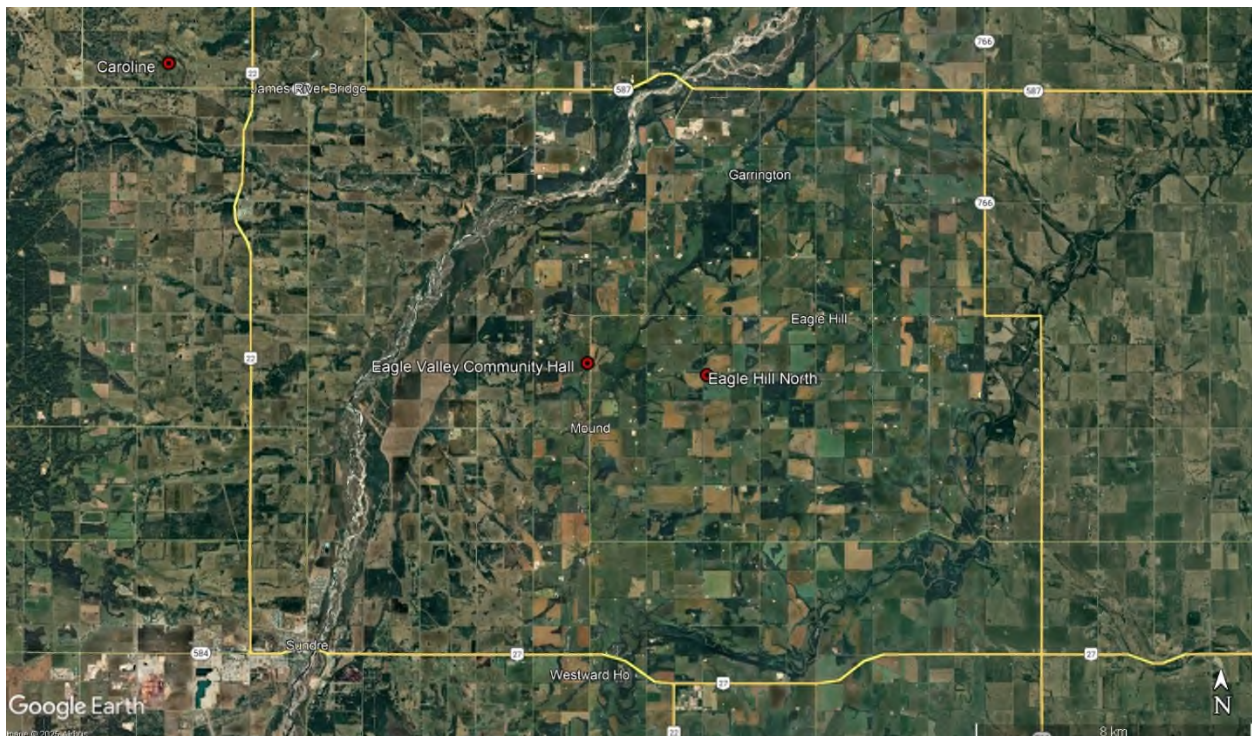


Figure 1. Eagle Valley, Eagle Hill & Caroline Monitoring Locations

In early September 2024 the Eagle Valley and Eagle Hill areas were reconnoitered to determine the two optimal monitoring locations for the project. The sites were selected and arrangements were subsequently made with the Eagle Valley Community Association and an Eagle Hill Resident to provide power to the two sites. Monitoring commenced in early October 2024 and ran through early April 2025.

### Monitoring Results

The following parameters were monitored with the Dr. Martha Kostuch Portable Air Quality Monitoring Station:

- Sulphur Dioxide (SO<sub>2</sub>)
- Total Reduced Sulphur (TRS)
- Nitrogen Dioxide (NO<sub>2</sub>), Nitric Oxide (NO), and Oxides of Nitrogen (NO<sub>x</sub>)
- Ozone (O<sub>3</sub>)
- Fine Particulate Matter <2.5 µg (PM<sub>2.5</sub>)
- Total Hydrocarbons (THC), Methane (CH<sub>4</sub>), and Non-Methane Hydrocarbons (NMHC)
- Wind Speed & Direction
- Temperature and Relative Humidity

Additionally, the hourly Air Quality Health Index (AQHI) was calculated using concentrations of NO<sub>2</sub>, Ozone & PM<sub>2.5</sub>.

The table below summarizes the results of the pollutant monitoring at the Eagle Valley and Eagle Hill sites.

PARAMETER NAME				EAGLE VALLEY COMMUNITY HALL				EAGLE HILL NORTH			
	HOURLY	DAILY	UNITS	PERIOD VALUES		EXCEEDENCES		PERIOD VALUES		EXCEEDENCES	
	OBJECTIVE	OBJECTIVE		AVE	MAX	HOURLY	DAILY	AVE	MAX	HOURLY	DAILY
Sulphur Dioxide (SO <sub>2</sub> )	172	57	PPB	0.1	6	0	0	0.1	2	0	0
Total Reduced Sulphurs (TRS) *	10	3	PPB	0.5	1	0	0	0.5	1	0	0
Total Reduced Sulphurs (TRS)	5**	n/a	PPB	0.5	1	0**	n/a	0.5	1	0**	n/a
Nitrogen Dioxide (NO <sub>2</sub> )	159	n/a	PPB	4.4	29	0	n/a	3.3	17	0	n/a
Ozone (O <sub>3</sub> )	76	n/a	PPB	22.3	50	0	n/a	33.0	60	0	n/a
Particles Smaller < 2.5 Microns (PM <sub>2.5</sub> )	80	29	µg/M <sup>3</sup>	6.0	39	n/a	n/a	5.0	48	n/a	n/a
Total Hydrocarbons (THC)	n/a	n/a	PPM	2.20	5.4	n/a	n/a	2.0	3.2	n/a	n/a
* H <sub>2</sub> S Objective											
	** 30-minute TRS Guideline										

Table 1. Summary of Monitoring Results

## Monitoring Summary by Parameter

During the entire monitoring period, no exceedances of any applicable Alberta Ambient Air Quality Objectives including the new 30-minute TRS guideline for odour management were observed.

### Sulphur Dioxide

For the October 2024 through April 2025 monitoring period, concentrations of SO<sub>2</sub> at both monitoring locations were generally near or below the lower detectable limit of the Thermo 43 IQ SO<sub>2</sub> analyzer (1 ppb) operating at the 500 ppb range setting. This observation is significant given the large number of sour gas facilities in the vicinity of the monitoring stations. See the map below.

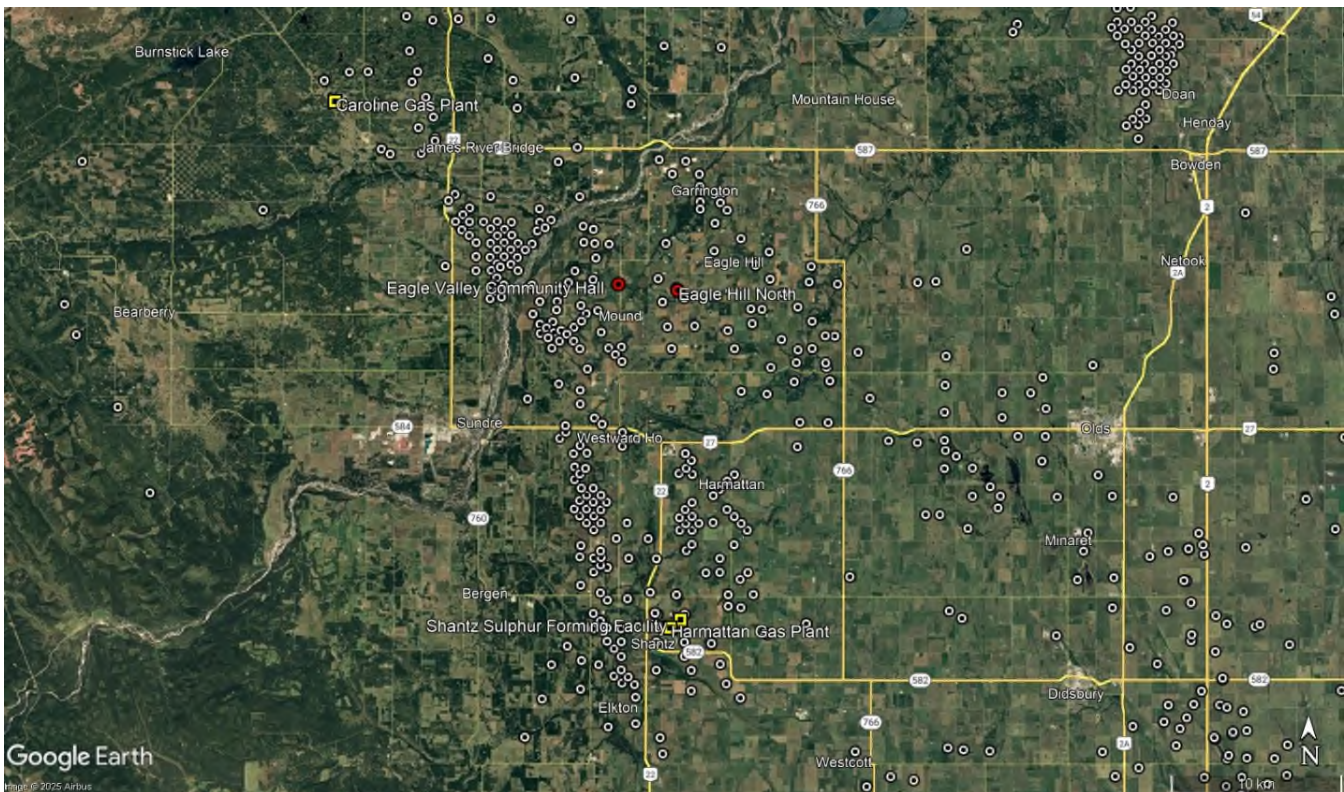


Figure 2. Sour Gas Wells and Facilities in Vicinity of Monitoring Sites

### Total Reduced Sulphur

During the monitoring period from October 2024 to April 2025, TRS concentrations at both locations were typically at or near the lower detectable limit of the API T100 TRS analyzer (0.5 ppb) operating at the 100 ppb range setting. Again, this observation is significant due to the presence of numerous sour gas facilities near the monitoring stations.

### Nitrogen Dioxide

NO<sub>2</sub> concentrations observed at both locations during the monitoring project were similar to the NO<sub>2</sub> levels observed at the PAMZ Caroline Station (Oct-Dec 3.3 ppb avg. and Jan-Mar 2.5 ppb avg.) and the historical levels observed by the PAMZ Ambient Air Monitoring Program at other rural PAMZ monitoring locations operated during winter months (October-March). The slightly higher levels seen at the Eagle Valley site vs. the Eagle Hill site (4.4 ppb avg. vs 3.3 ppb avg.) are likely related to that station's proximity to Range Road 44 and tailpipe emissions of NO<sub>x</sub> from its associated motor vehicle traffic.

### Ozone

Ozone concentrations observed at both locations during the monitoring project were similar to the Ozone levels observed at the Caroline Station (Oct-Dec 26.9 ppb avg. and Jan-Mar 35.8 ppb avg.) and the historical levels observed by the PAMZ Ambient Air Monitoring Program at other rural PAMZ monitoring locations operated during winter months (October-March). The highest Ozone levels were observed in late March and early April at The Eagle Hill site. In rural Alberta, Ozone typically peaks in spring due to warmer temperatures and intense sunlight enhancing its photochemical formation.

### Fine Particulate Matter

Levels of PM<sub>2.5</sub> observed at both locations during the monitoring project were similar to the PM<sub>2.5</sub> levels observed at the Caroline Station (Oct-Dec 4.5 µg/m<sup>3</sup> avg. and Jan-Mar 4.5 µg/m<sup>3</sup> avg.) and the historical levels observed by the PAMZ Ambient Air Monitoring Program at other rural PAMZ monitoring locations operated during winter months (October-March). The slightly higher levels seen at the Eagle Valley site vs. the Eagle Hill site (6.0 µg/m<sup>3</sup> avg. vs 5.0 µg/m<sup>3</sup> avg) are likely related to that station's proximity to Range Road 44 and tailpipe emissions of PM<sub>2.5</sub> from its associated motor vehicle traffic.

### THC

Total Hydrocarbon levels observed at both locations during the monitoring project were similar to the Total Hydrocarbon levels observed at the Caroline Station (Oct-Dec 2.0 ppm avg. and Jan-Mar 2.1 ppm avg.) and the historical levels observed by the PAMZ Ambient Air Monitoring Program at other rural PAMZ monitoring locations operated during winter months (October-March). These levels are mostly natural background and primarily methane. This observation is significant due to the presence of numerous sour gas facilities near the monitoring stations and the potential for fugitive hydrocarbons from those facilities. The slightly higher levels seen at the Eagle Valley site vs. the Eagle Hill site (2.2 ppm avg. vs 2.0 ppm avg.) are likely related to that station's proximity to Range Road 44

and tailpipe emissions of uncombusted hydrocarbons from its associated motor vehicle traffic.

### Air Quality Health Risk

The Air Quality Health Index (AQHI) rating indicates the relative level of health risk associated with local air quality. The higher the number, the greater the health risk and the need to take precautions. The hourly AQHI is calculated from levels of three pollutants: Nitrogen Dioxide, Ozone and Fine Particulate Matter.

AIR QUALITY HEALTH INDEX	Eagle Valley Community Hall		Eagle Hill	
	# Hours	%	# Hours	%
1-3 Low Risk	2075	99.86%	2113	99.48%
4-6 Moderate Risk	3	0.14%	11	0.52%
7-10 High Risk	0	0.00%	0	0.00%
>10 Very High Risk	0	0.00%	0	0.00%
Average	1.86		2.30	
Maximum	4		4	

Table 2. Air Quality Health Index

The calculated AQHI at both sites was low risk more than 99.5% of the time when data for all three AQHI pollutants was available simultaneously. The Eagle Hill location had a slightly higher average AQHI and a higher number of hours where the AQHI was moderate. These higher values were driven by higher levels of ozone present in April. In rural Alberta, Ozone typically peaks in spring due to warmer temperatures and intense sunlight enhancing its photochemical formation.

### **Conclusion**

During the deployment of the monitoring station from October 2024 to April 2025, no exceedances of the Alberta Ambient Air Quality Objectives were observed.

Levels of monitored pollutants were similar to those observed at the PAMZ Caroline Monitoring Site during the monitoring period and consistent with the historical levels observed by the PAMZ Ambient Air Monitoring Program at other rural locations during winter months (October - March).

The air quality at both locations during the two monitoring periods was very good as evidenced by the extremely low ambient levels of sulphur gases observed and the Low Health Risk Category of the AQHI calculated for more than 99.5% of the available time.

In the fall of 2025, a presentation summarizing these results is planned for the residents of the Eagle Valley and Eagle Hill areas.

## **APPENDICIES**



**PAMZ** | Parkland Airshed  
Management Zone

# **Parkland Airshed Management Zone**

**Eagle Valley Community Hall Site**

## **2024 Ambient Air Monitoring Report**

Prepared by

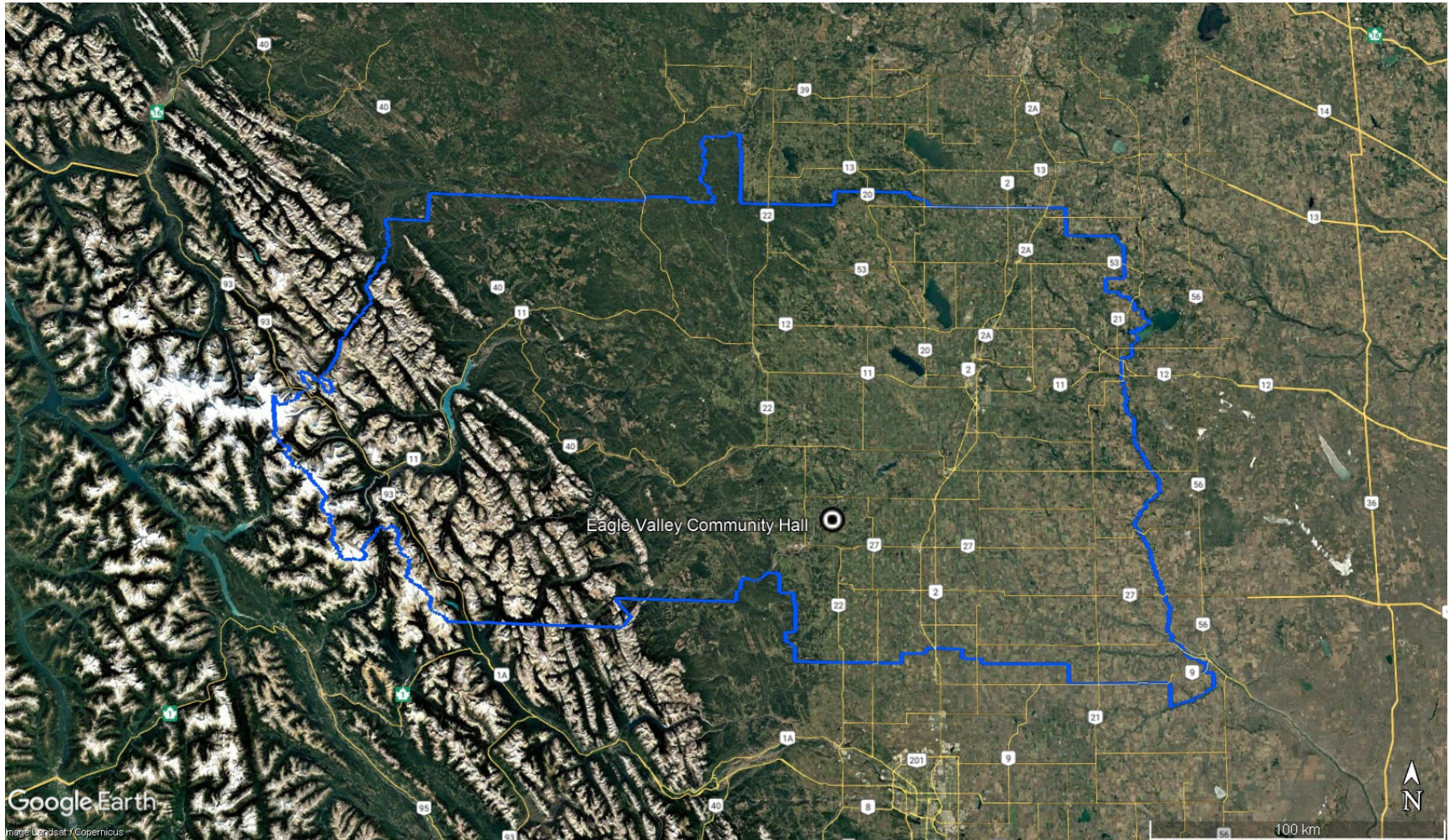


**Parkland AirShed Management Zone**  
Eagle Valley Community Hall Site

2024 Ambient Air Monitoring Report

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**Eagle Valley Community Hall Air Monitoring Station 2024**

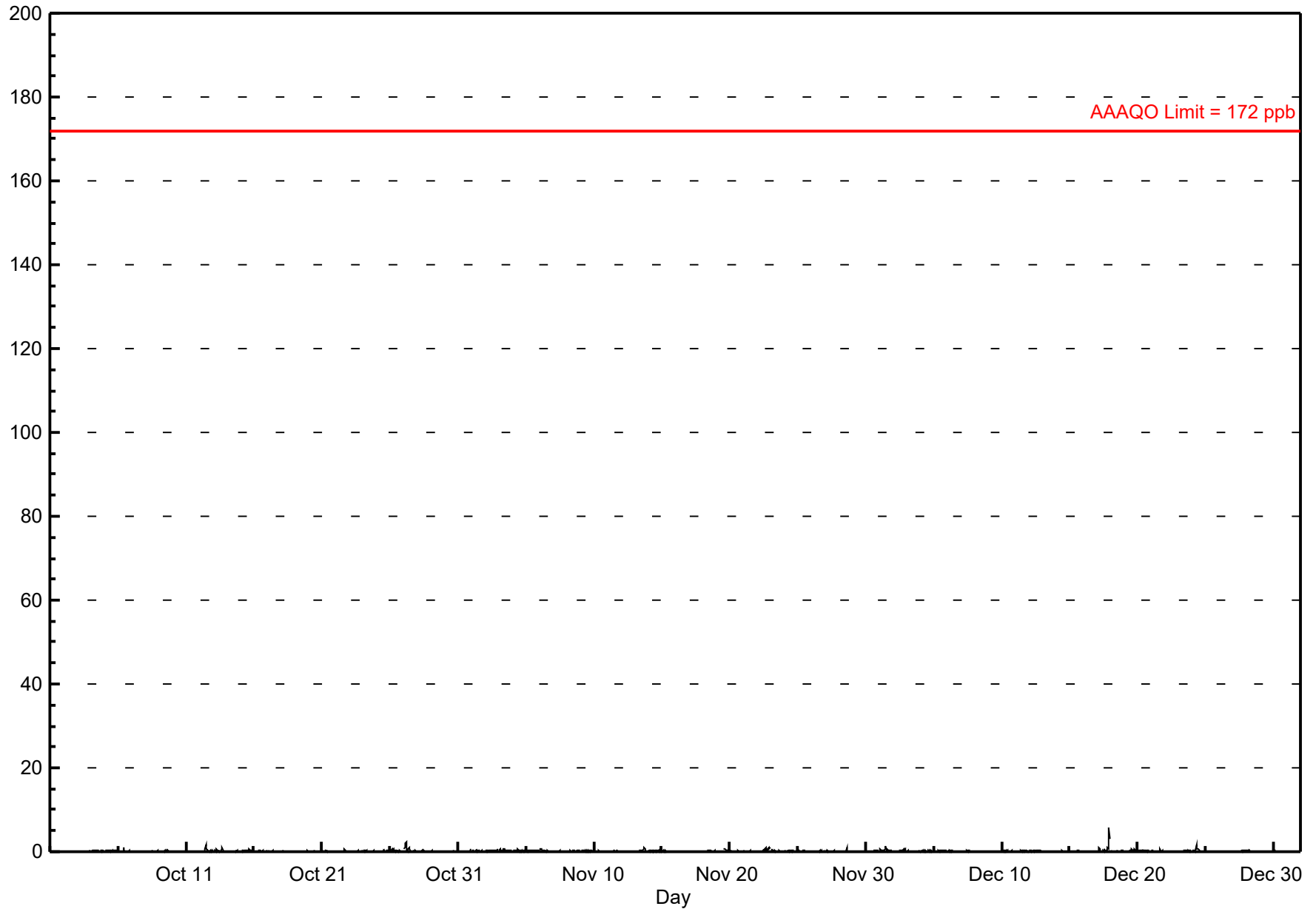
# 1 Parkland Airshed Management Zone – Eagle Valley Community Hall SO<sub>2</sub> Sulphur Dioxide (ppb)

Martha Station - Eagle Vally Community Hall											SO <sub>2</sub> (ppb)						2024
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	AAAQO			Percentage of Readings in Concentration Range						
								24-Hr	1-Hr	30-Day	0 - 20	20 - 60	60 - 110	110 - 170	170 - 340	>340	
January																	
February																	
March																	
April																	
May																	
June																	
July																	
August																	
September																	
October	674	0.1	0.5	Oct 27	2.5	Oct 27 06:00	99.7	0	0	0	100.00	0.00	0.00	0.00	0.00	0.00	
November	686	0.1	0.4	Nov 22	1.1	Nov 22 16:00	100.0	0	0	0	100.00	0.00	0.00	0.00	0.00	0.00	
December	667	0.1	0.7	Dec 17	5.6	Dec 17 23:00	99.7	0	0	0	100.00	0.00	0.00	0.00	0.00	0.00	
<b>Annual</b>	<b>2397</b>	<b>0.1</b>	<b>0.7</b>	<b>Dec 17</b>	<b>5.6</b>	<b>Dec 17 23:00</b>	<b>99.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

# Hourly Averages

Sulphur Dioxide (SO<sub>2</sub>) - ppb

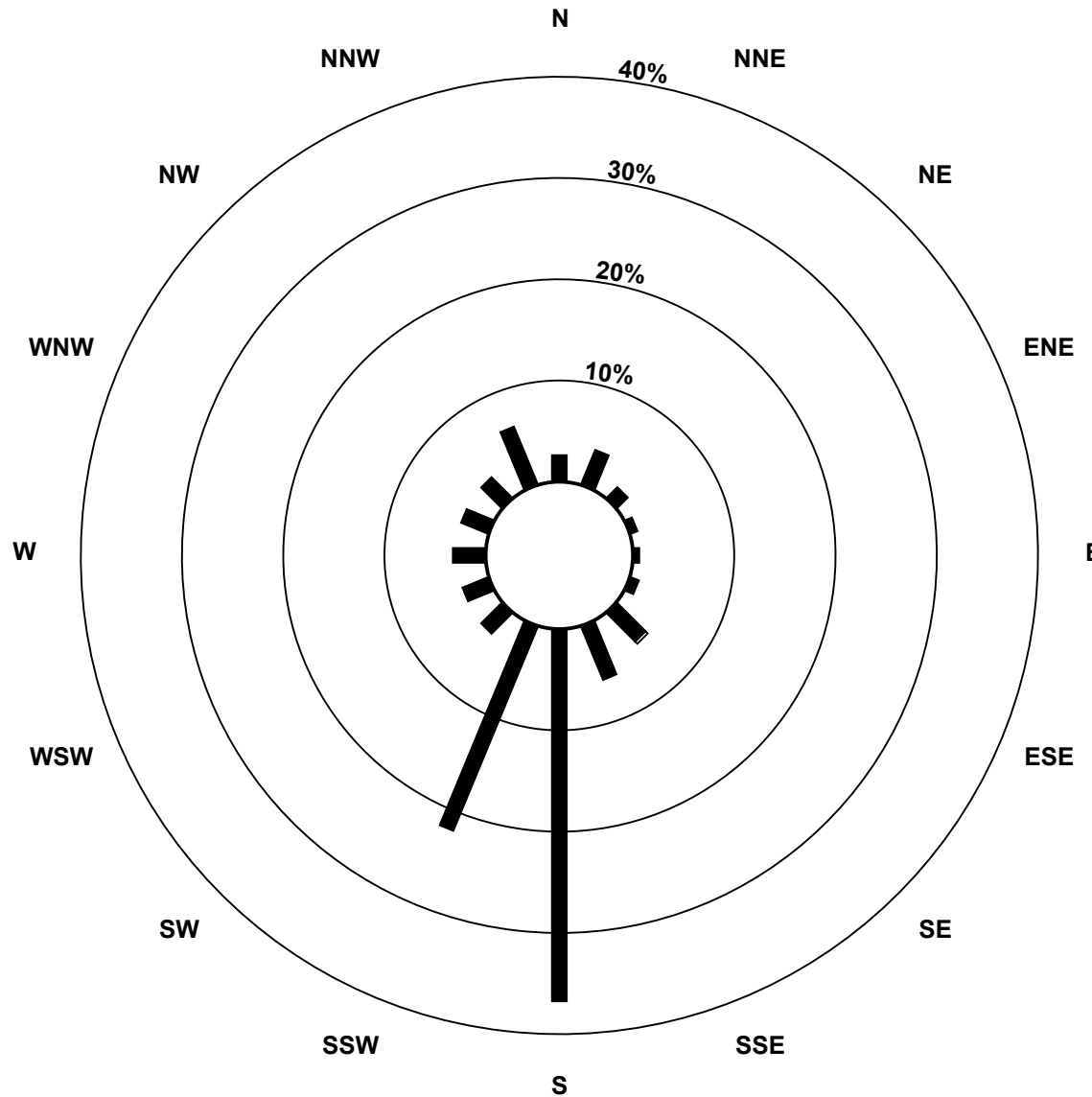
Eagle Valley Community Hall - Oct 1, 2024 to Jan 1, 2025



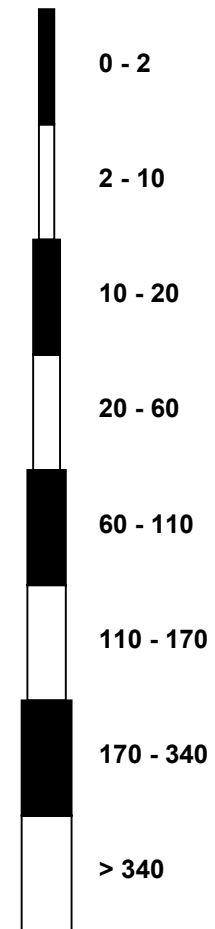
### Pollutant Rose

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Sulphur Dioxide (SO<sub>2</sub>) - ppb



Pollutant Classes (ppb)



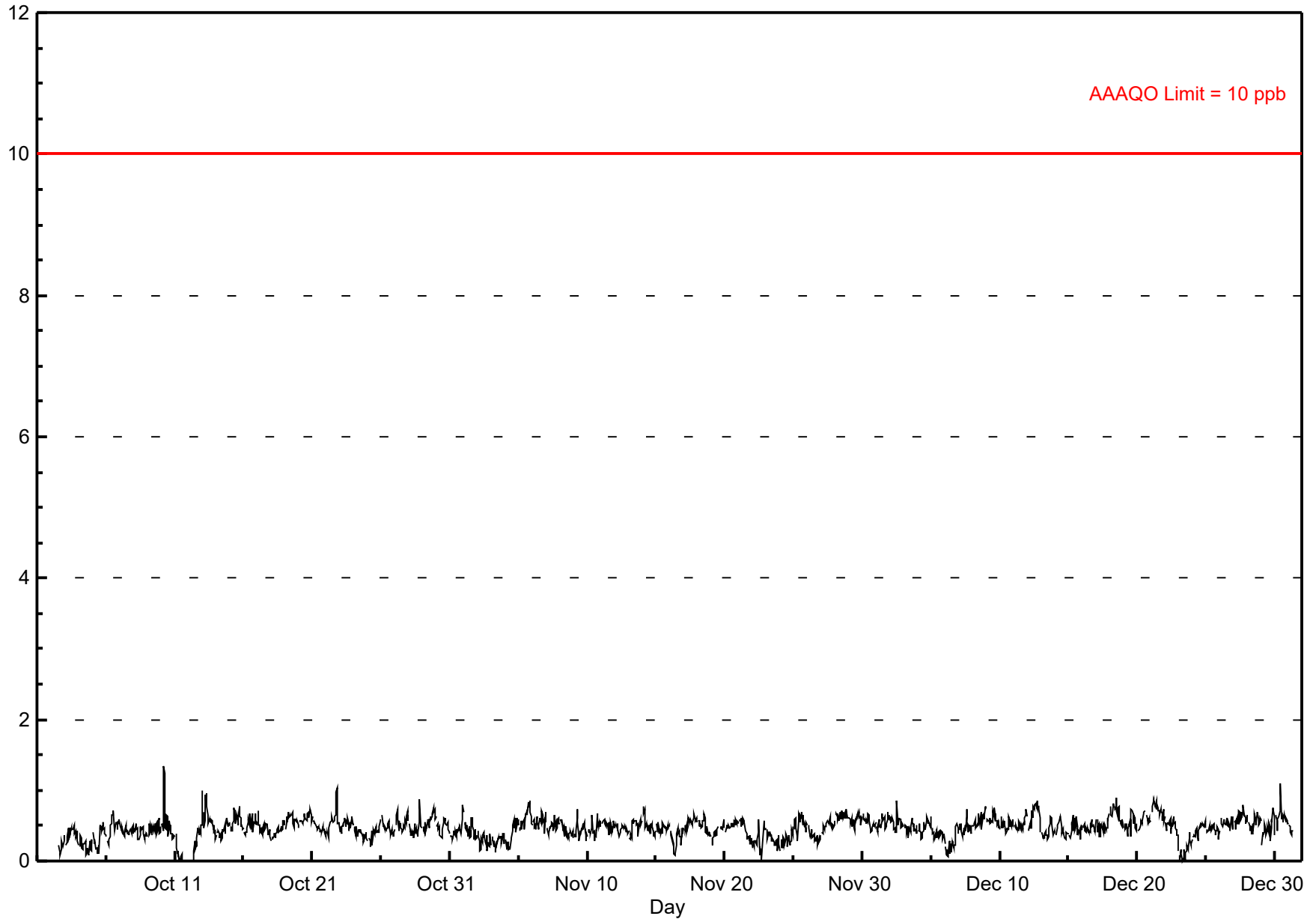
## 2 Parkland Airshed Management Zone – Eagle Valley Community Hall TRS Total Reduced Sulphide (ppb)

Martha Station - Eagle Valley Community Hall											TRS (ppb)					2024
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	AAAQO		Percentage of Readings in Concentration Range						
								24-Hr	1-Hr	0 - 1	1 - 2.5	2.5 - 5	5 - 7.5	7.5 - 10	>10	
January																
February																
March																
April																
May																
June																
July																
August																
September																
October	677	0.4	0.5	Oct 27	1.3	Oct 27 06:00	100.0	0	0	99.41	0.59	0.00	0.00	0.00	0.00	0.00
November	686	0.5	0.6	Nov 22	0.8	Nov 22 16:00	100.0	0	0	100.00	0.00	0.00	0.00	0.00	0.00	0.00
December	695	0.5	0.7	Dec 17	1.1	Dec 17 23:00	100.0	0	0	99.86	0.14	0.00	0.00	0.00	0.00	0.00
<b>Annual</b>	<b>2058</b>	<b>0.5</b>	<b>0.7</b>	<b>Dec 17</b>	<b>1.3</b>	<b>Oct 27 06:00</b>	<b>100.0</b>	<b>0</b>	<b>0</b>	<b>99.76</b>	<b>0.24</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

# Hourly Averages

Total Reduced Sulphur (TRS) - ppb

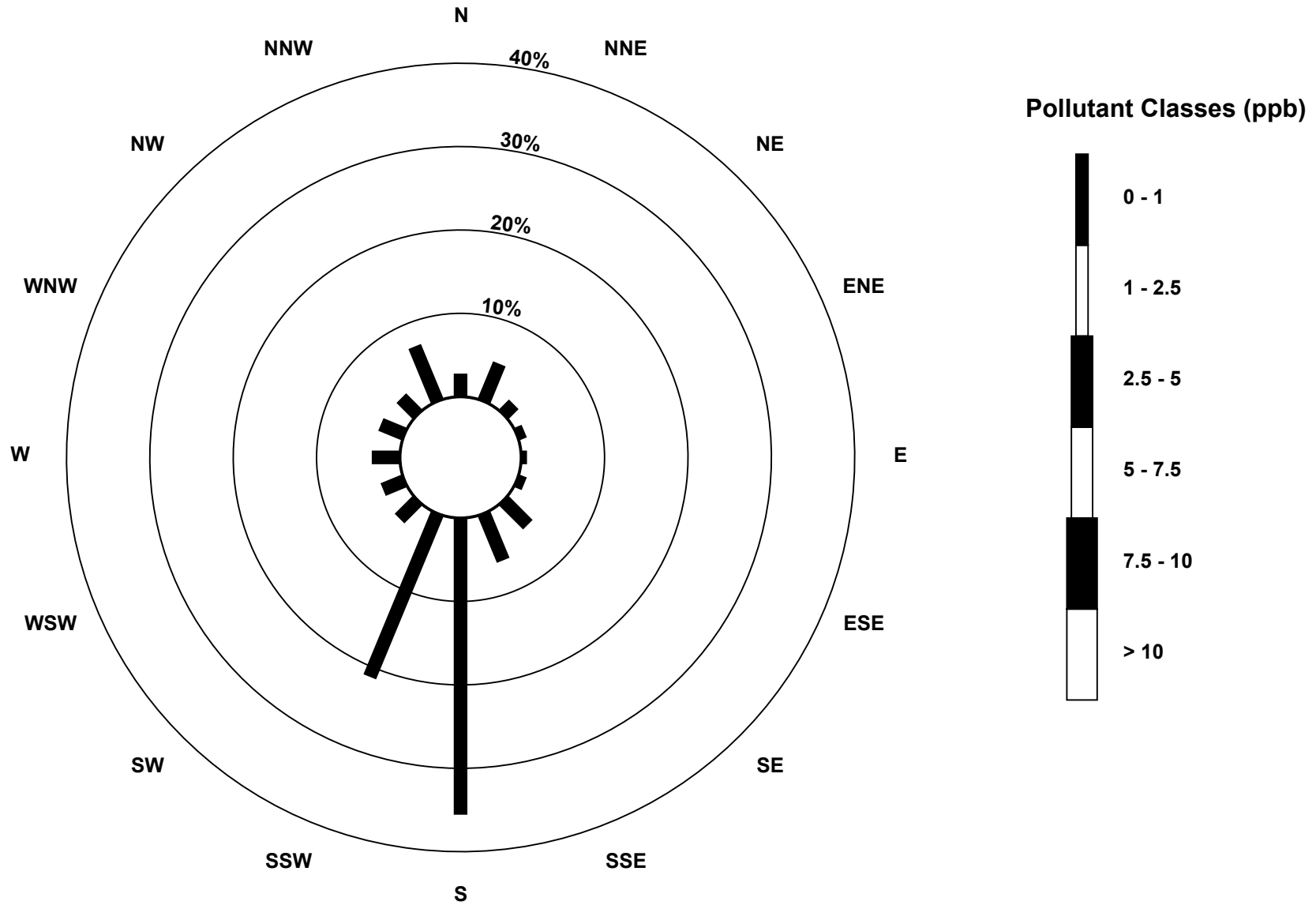
Eagle Valley Community Hall - Oct 1, 2024 to Jan 1, 2025



# Pollutant Rose

## Total Reduced Sulphur (TRS) - ppb

### Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



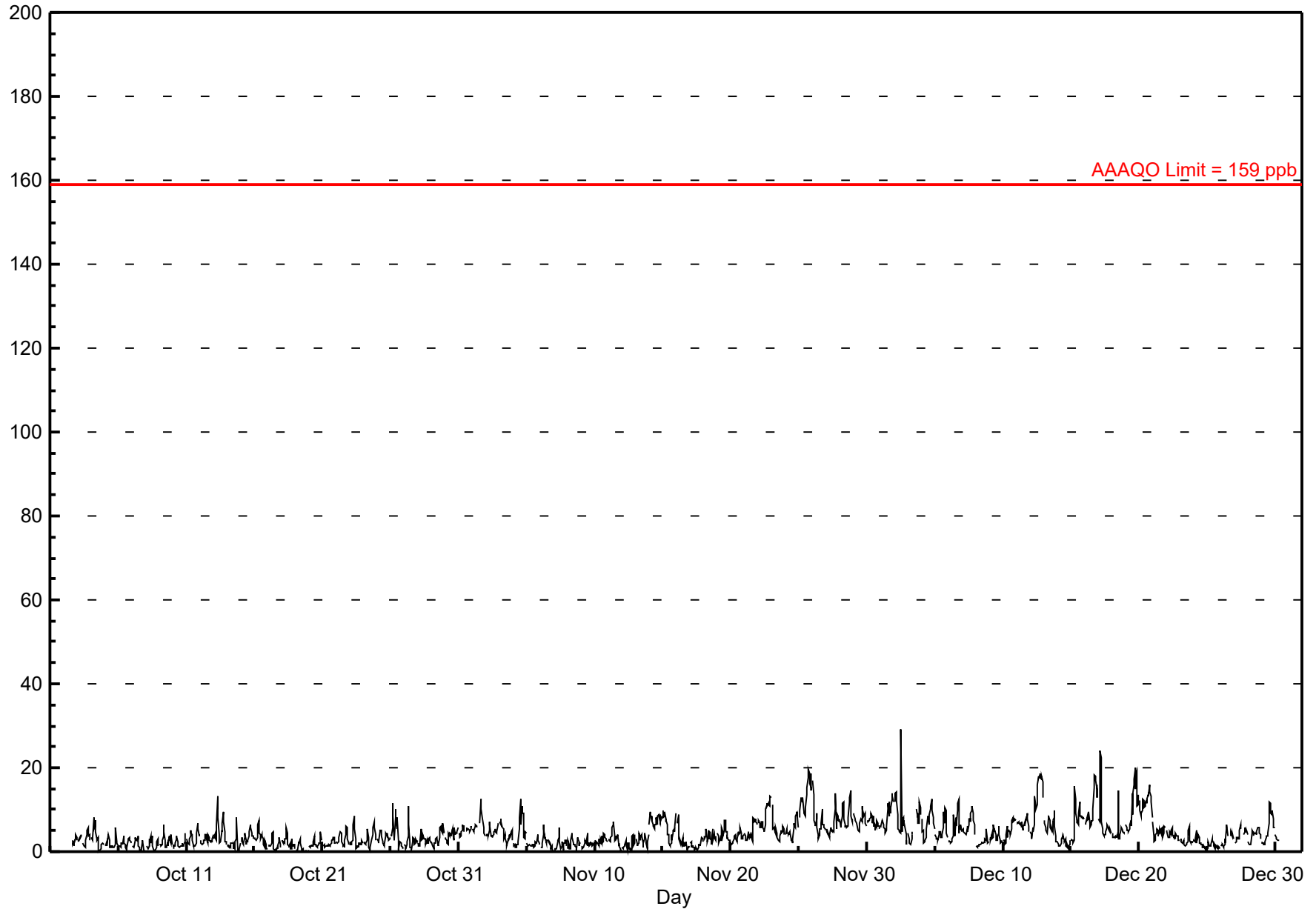
### 3 Parkland Airshed Management Zone – Eagle Valley Community Hall NO<sub>2</sub> Nitrogen Dioxide (ppb)

Martha Station - Eagle Valley Community Hall							NO <sub>2</sub> (ppb)				2024				
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	AAQO		Percentage of Readings in Concentration Range					
								24-Hr	1-Hr	0 - 25	25 - 50	50 - 110	110 - 210	>210	
January															
February															
March															
April															
May															
June															
July															
August															
September															
October	671	2.7	5.2	Oct 31	13.2	Oct 13 08:00	99.3	0	0	100.00	0.00	0.00	0.00	0.00	
November	685	4.7	13.1	Nov 25	19.5	Nov 25 19:00	100.0	0	0	100.00	0.00	0.00	0.00	0.00	
December	662	5.8	11.9	Dec 12	29.0	Dec 02 11:00	99.0	0	0	99.85	0.15	0.00	0.00	0.00	
<b>Annual</b>	<b>2018</b>	<b>4.4</b>	<b>13.1</b>	<b>Nov 25</b>	<b>29.0</b>	<b>Dec 02 11:00</b>	<b>99.4</b>	<b>0</b>	<b>0</b>	<b>100.00</b>	<b>0.10</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

# Hourly Averages

Nitrogen Dioxide (NO<sub>2</sub>) - ppb

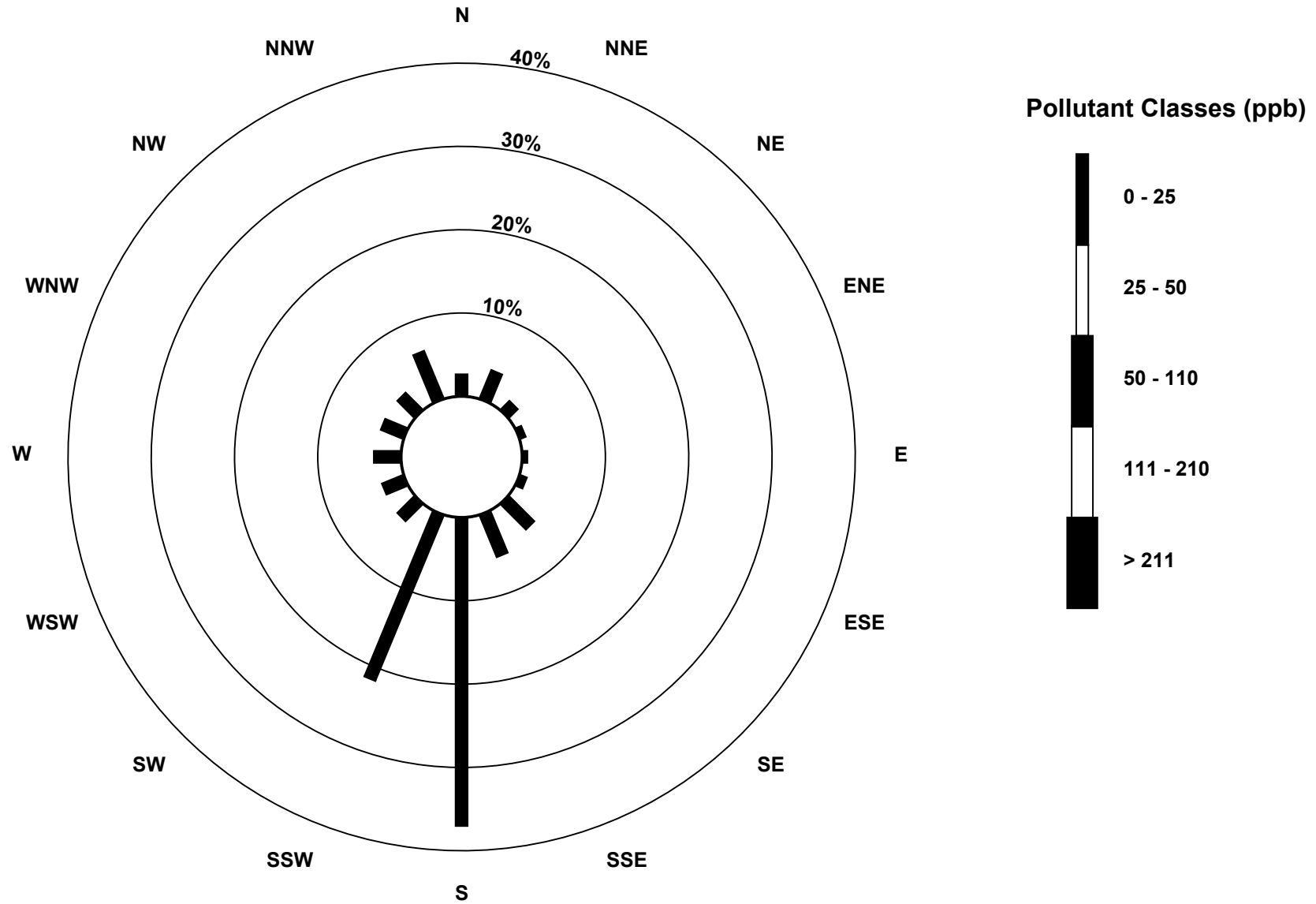
Eagle Valley Community Hall - Oct 1, 2024 to Jan 1, 2025



# Pollutant Rose

## Nitrogen Dioxide (NO<sub>2</sub>) - ppb

### Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



#### 4 Parkland Airshed Management Zone – Eagle Valley Community Hall PM<sub>2.5</sub> Particulate Matter 2.5 (µg/m<sup>3</sup>)

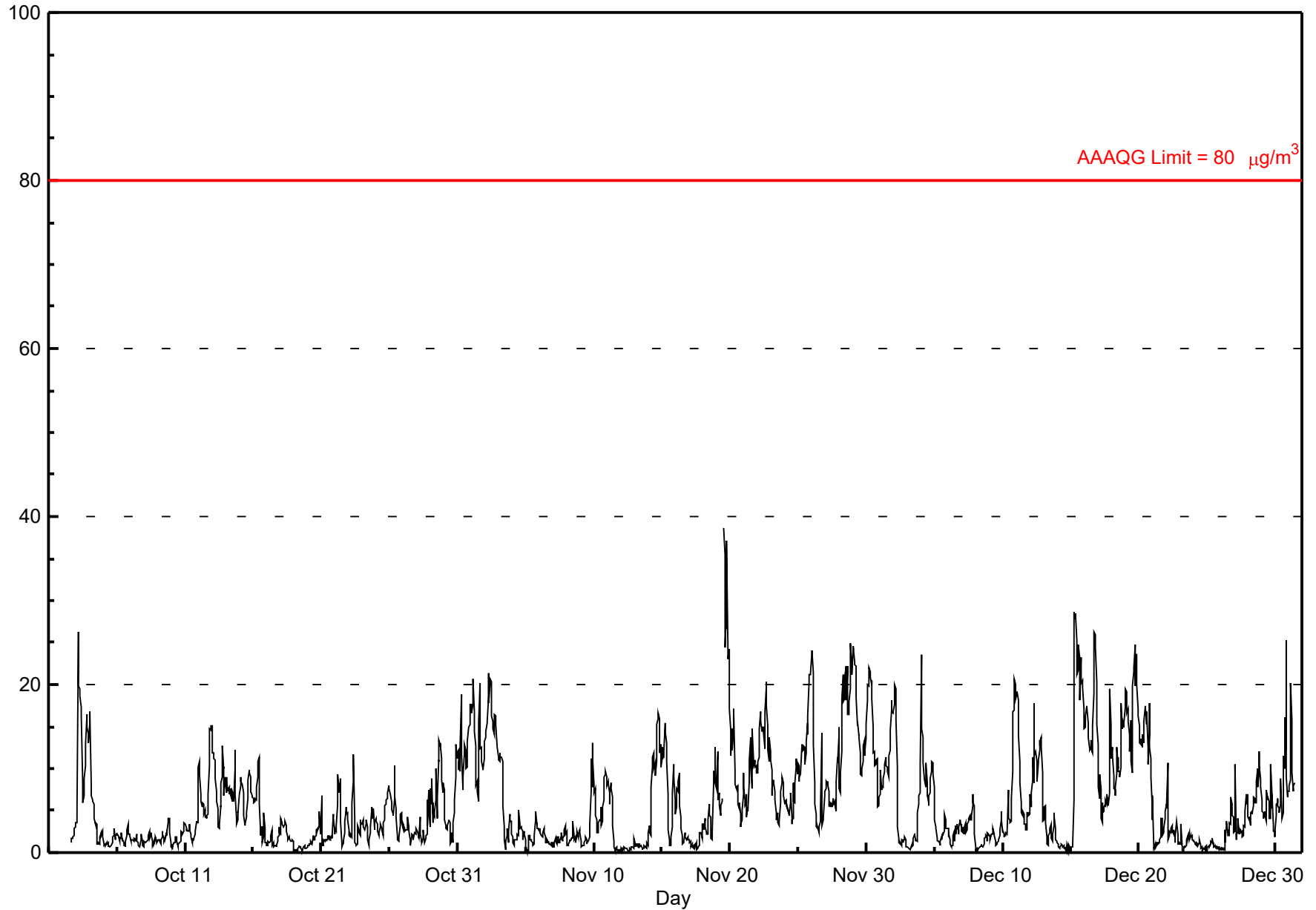
Martha Station - Eagle Valley Community Hall							PM <sub>2.5</sub> (µg/m <sup>3</sup> )				2024				
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	AAAQO		Percentage of Readings in Concentration Range					
								24-Hr	1-Hr	0 - 2	2 - 6	6 - 11	11 - 17	17 - 30	> 30
January															
February															
March															
April															
May															
June															
July															
August															
September															
October	705	4.2	13.2	Oct 03	26.3	Oct 03 04:00	100.0	0	0	37.02	38.44	16.45	6.81	1.28	0.00
November	718	7.4	17.7	Nov 28	38.7	Nov 19 15:00	100.0	0	0	28.13	23.54	21.45	16.99	9.47	0.42
December	731	6.3	17.6	Dec 19	28.7	Dec 15 08:00	100.0	0	0	30.78	32.01	16.55	11.90	8.76	0.00
<b>Annual</b>	<b>2154</b>	<b>6.0</b>	<b>17.7</b>	<b>Nov 28</b>	<b>38.7</b>	<b>Nov 19 15:00</b>	<b>100.0</b>	<b>0</b>	<b>0</b>	<b>33.12</b>	<b>30.80</b>	<b>17.60</b>	<b>11.85</b>	<b>6.48</b>	<b>0.15</b>



# Hourly Averages

PM2.5 (PM<sub>2.5</sub>) -  $\mu\text{g}/\text{m}^3$

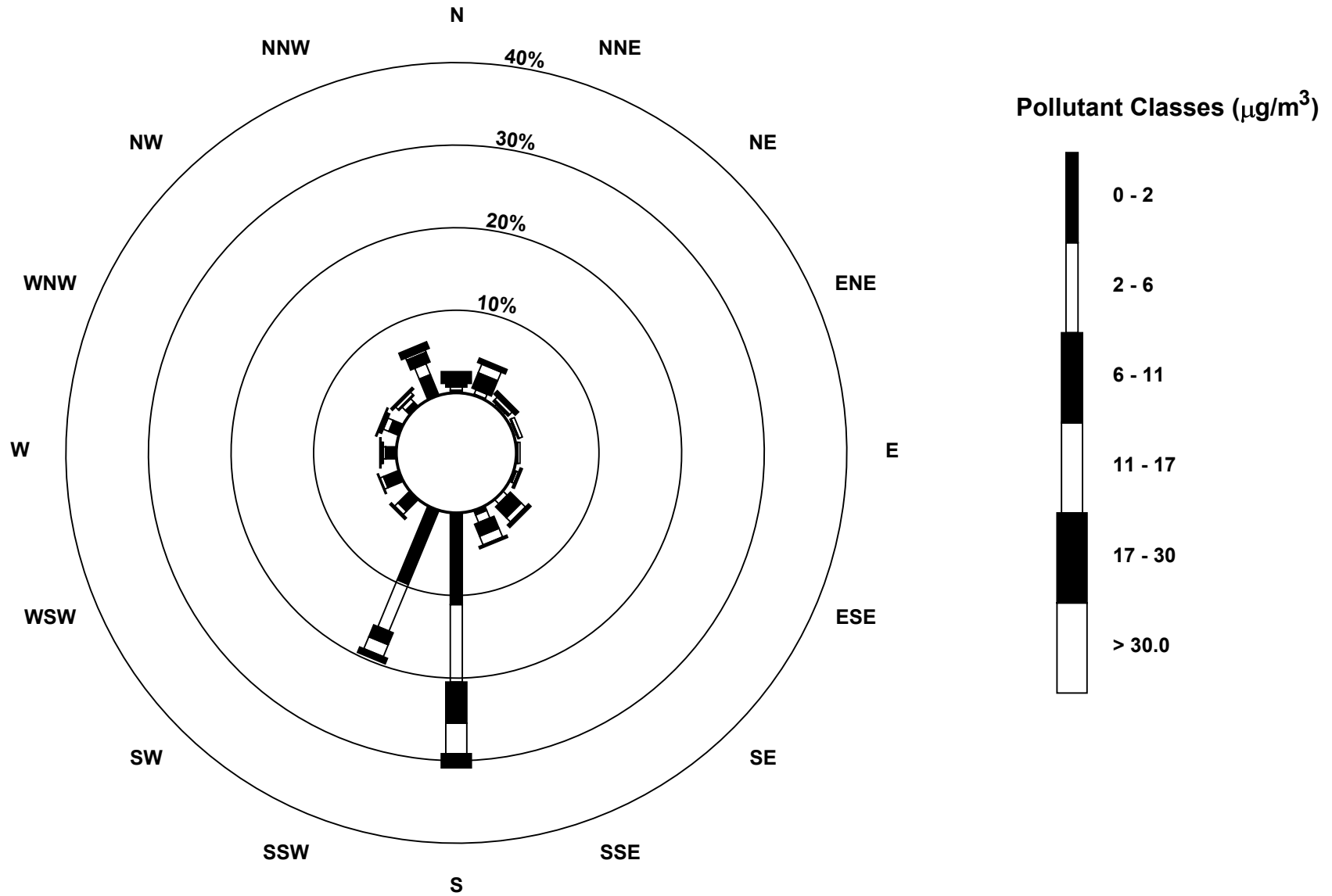
Eagle Valley Community Hall - Oct 1, 2024 to Jan 1, 2025



## Pollutant Rose

### Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

PM2.5 (PM<sub>2.5</sub>) - μg/m<sup>3</sup>



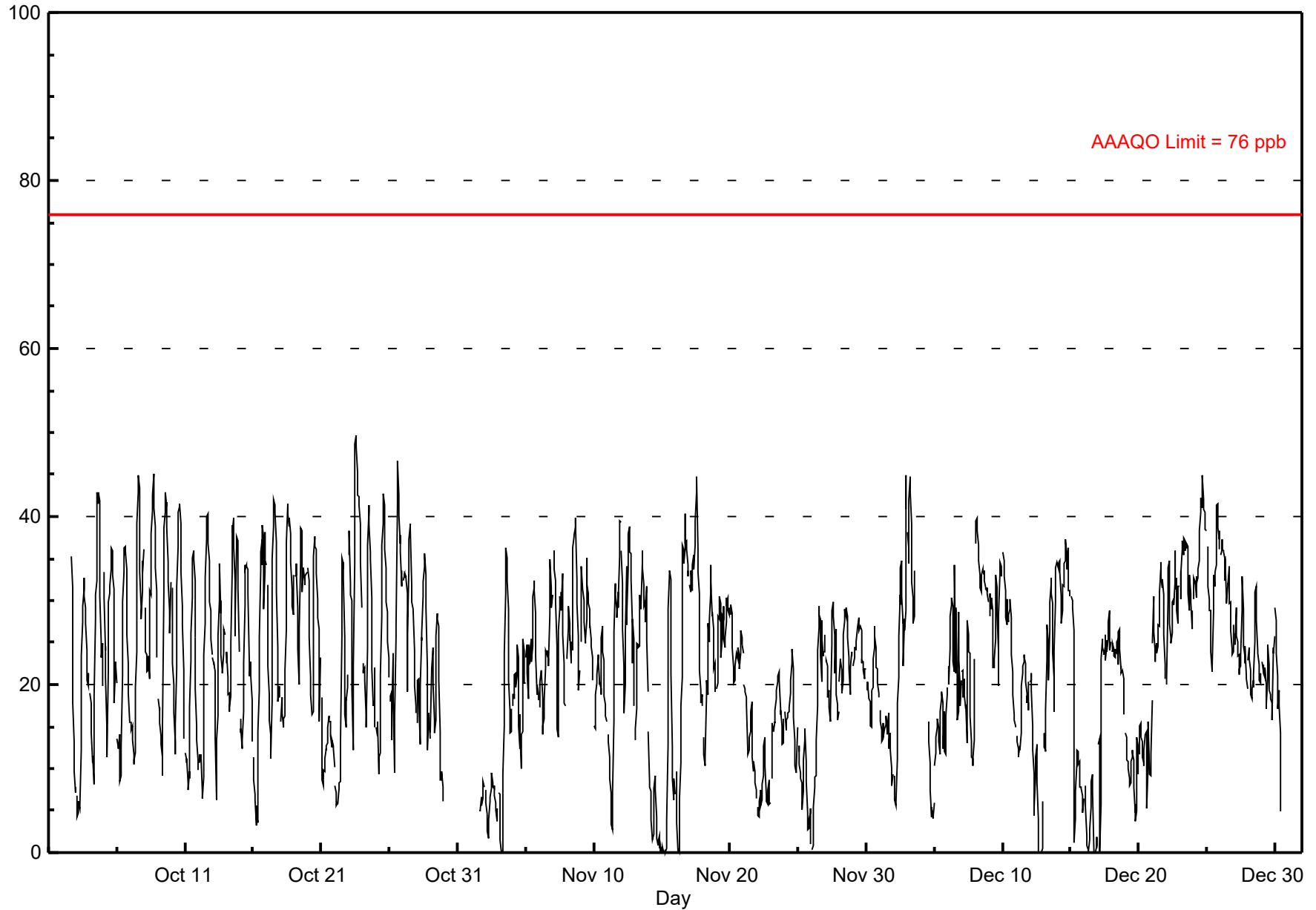
## 5 Parkland Airshed Management Zone – Eagle Valley Community Hall O<sub>3</sub> Ozone (ppb)

Martha Station - Eagle Valley Community Hall											O <sub>3</sub> (ppb)					2024
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	AAAQO		Percentage of Readings in Concentration Range						
								24-Hr	1-Hr	0 - 2	2 - 10	10 - 20	20 - 40	40 - 76	>76	
January																
February																
March																
April																
May																
June																
July																
August																
September																
October	629	24.8	36.1	Oct 23	49.7	Oct 23 14:00	93.6	0	0	0.00	8.43	27.50	56.28	7.79	0.00	
November	675	19.8	31.6	Nov 17	44.7	Nov 17 15:00	98.1	0	0	4.30	16.44	25.19	53.48	0.59	0.00	
December	657	22.4	36.9	Dec 24	44.9	Dec 24 18:00	97.6	0	0	3.35	9.59	24.05	60.73	2.28	0.00	
<b>Annual</b>	<b>1961</b>	<b>22.3</b>	<b>36.9</b>	<b>Dec 24</b>	<b>49.7</b>	<b>Oct 23 14:00</b>	<b>96.4</b>	<b>0</b>	<b>0</b>	<b>2.55</b>	<b>11.21</b>	<b>25.60</b>	<b>57.04</b>	<b>3.61</b>	<b>0.00</b>	

# Hourly Averages

Ozone (O<sub>3</sub>) - ppb

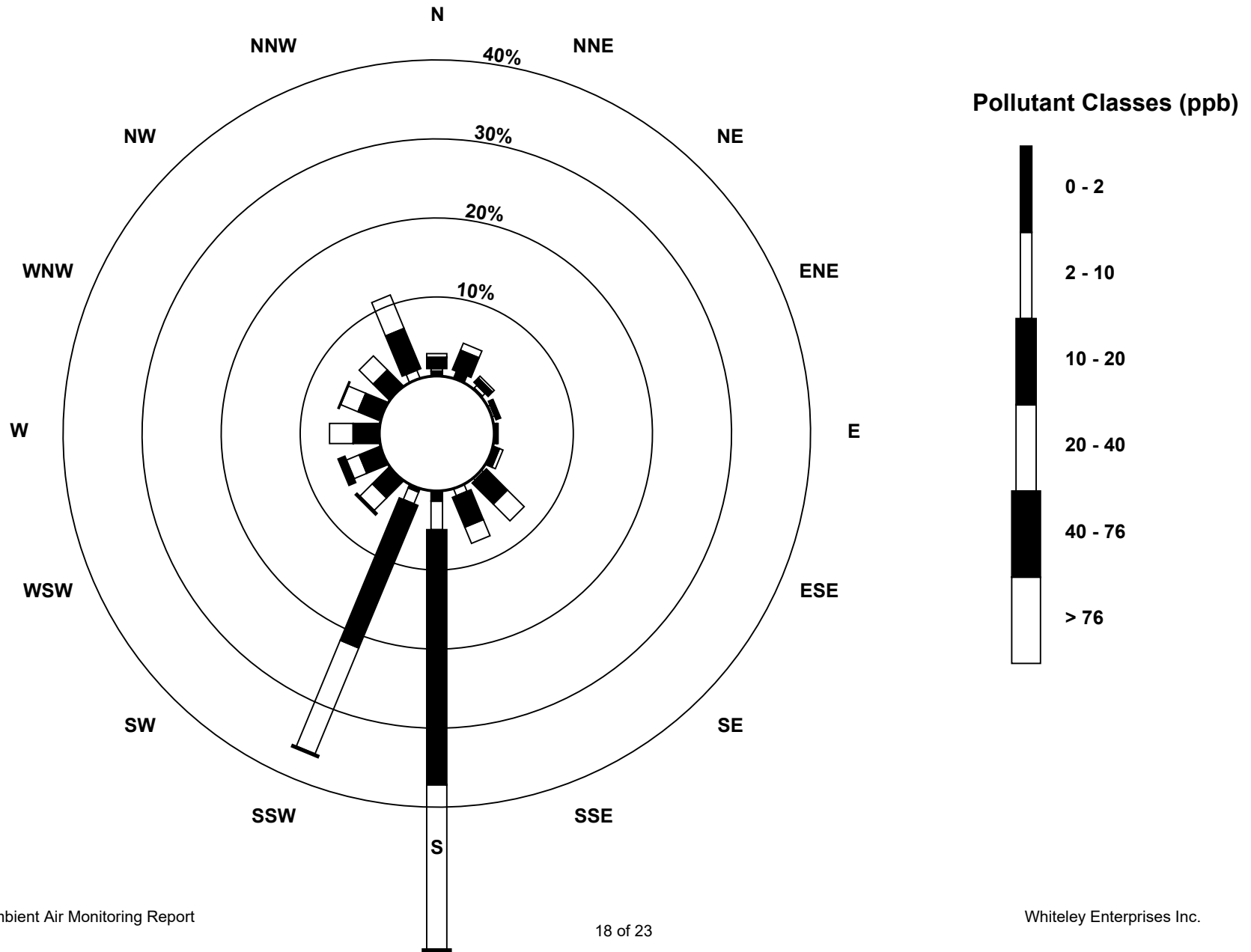
Eagle Valley Community Hall - Oct 1, 2024 to Jan 1, 2025



# Pollutant Rose

## Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Ozone (O<sub>3</sub>) - ppb



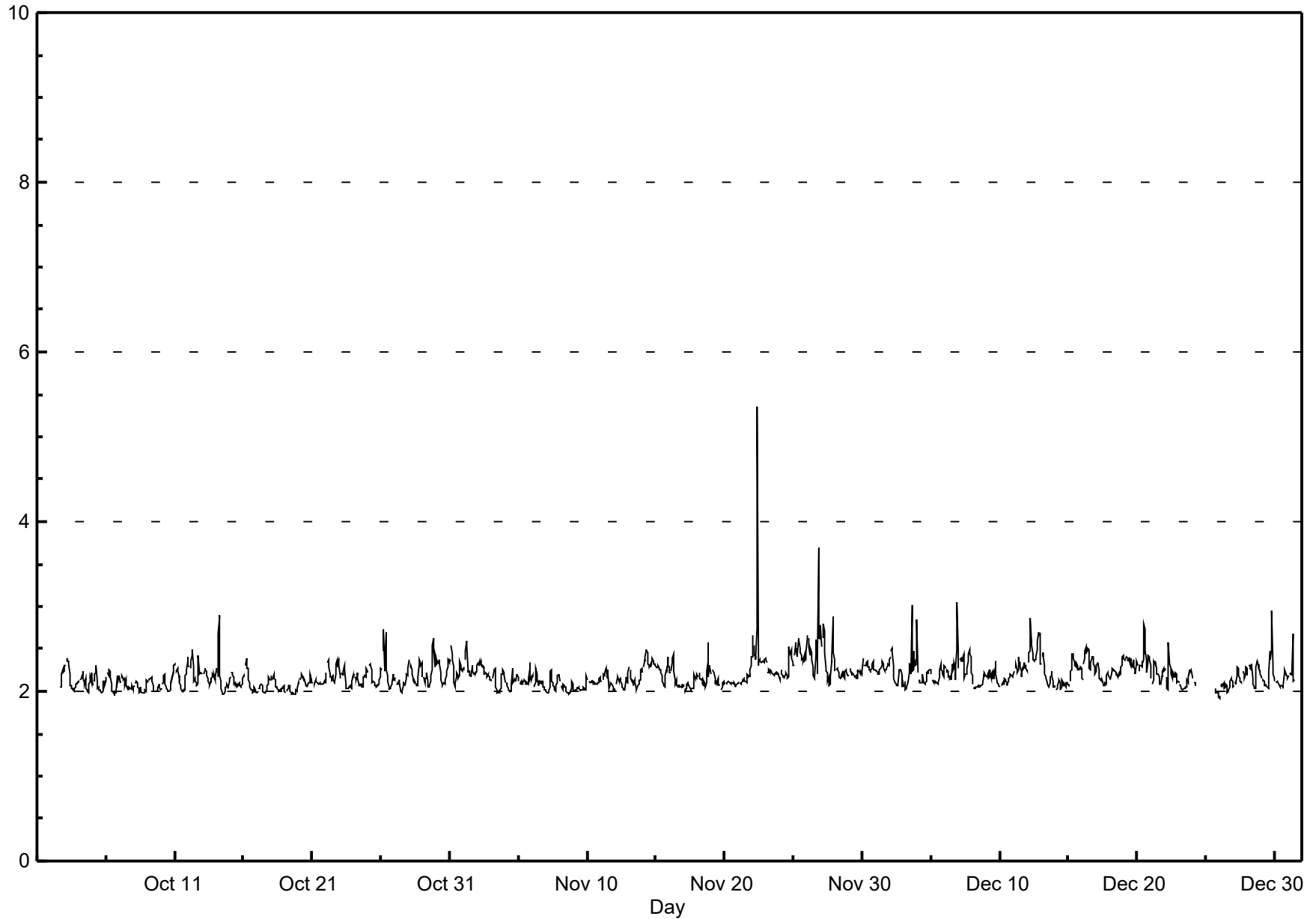
## 6 Parkland Airshed Management Zone – Eagle Valley Community Hall THC Total Hydrocarbon (ppm)

Martha Station - Eagle Valley Community Hall							THC (ppm)							2024
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	Percentage of Readings in Concentration Range						
								0 - 1.5	1.5 - 2.0	2.0 - 2.5	2.5 - 5.0	5.0 - 10.0	>10.0	
January														
February														
March														
April														
May														
June														
July														
August														
September														
October	675	2.1	2.3	Oct 31	2.9	Oct 14 07:00	100.0	0.00	9.19	89.48	1.33	0.00	0.00	
November	687	2.2	2.5	Nov 22	5.4	Nov 22 10:00	100.0	0.00	2.62	93.01	4.22	0.15	0.00	
December	666	2.2	2.5	Dec 12	3.0	Dec 6 23:00	95.6	0.00	1.05	95.80	3.15	0.00	0.00	
<b>Annual</b>	<b>2028</b>	<b>2.2</b>	<b>2.5</b>	<b>Nov 22</b>	<b>5.4</b>	<b>Nov 22 10:00</b>	<b>98.5</b>	<b>0.00</b>	<b>4.30</b>	<b>92.80</b>	<b>2.90</b>	<b>0.10</b>	<b>0.00</b>	

# Hourly Averages

Total Hydrocarbons (THC) - ppm

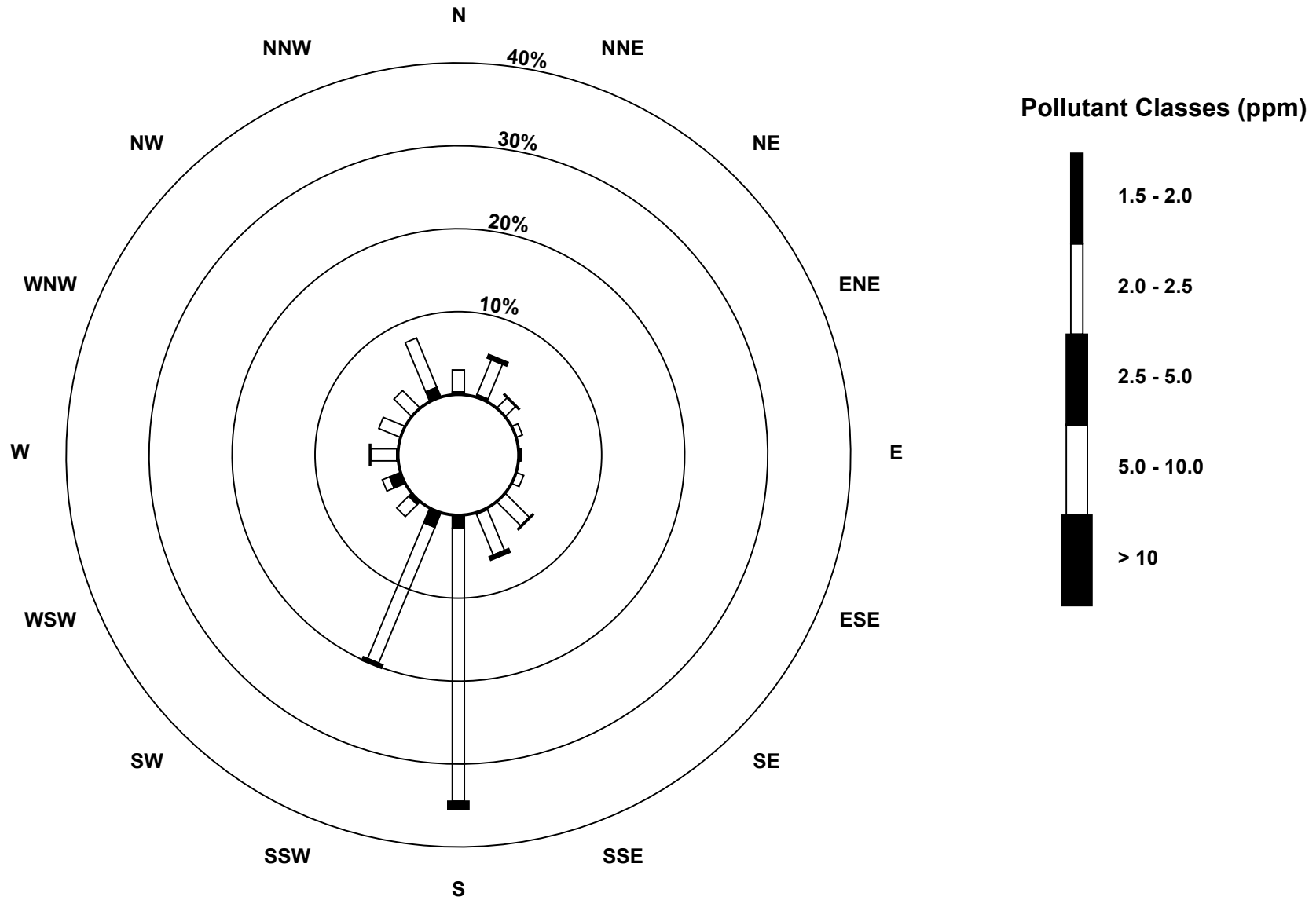
Eagle Valley Community Hall - Oct 1, 2024 to Jan 1, 2025



# Pollutant Rose

## Total Hydrocarbons (THC) - ppm

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



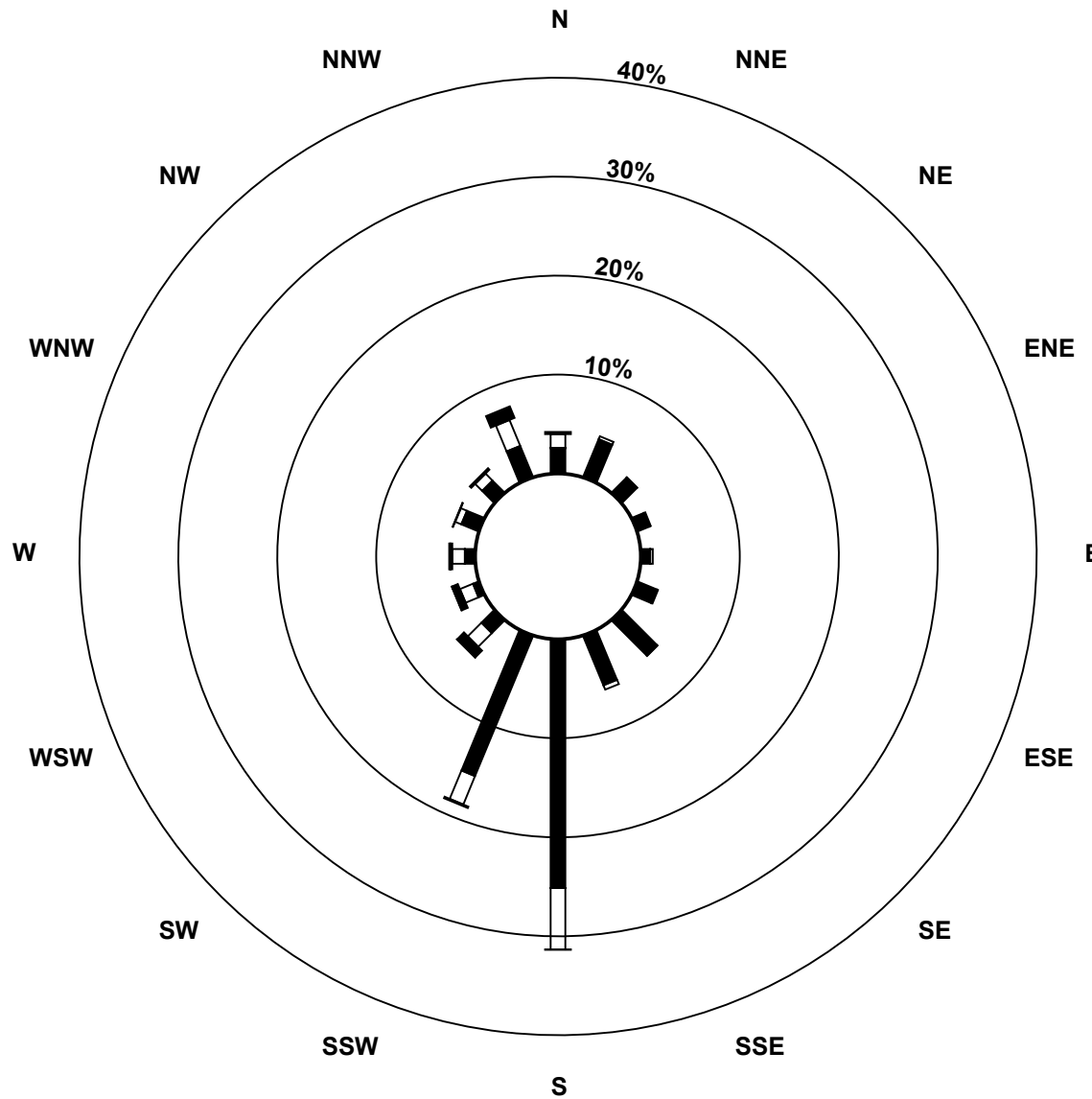
**7 Parkland Airshed Management Zone – Eagle Valley Community Hall  
Wind Speed and Wind Direction Frequency Table**

Martha Station - Eagle River Community Hall								2024
Direction	# of Readings	% of wind speed (km/hr)						Totals
		1 - 5	6 - 11	12 - 19	20 - 28	29 - 38	> 38	
<b>N</b>	80	2.57	1.42	0.21	0.00	0.00	0.00	5.53
<b>NNE</b>	85	4.15	0.32	0.00	0.00	0.00	0.00	8.65
<b>NE</b>	42	2.15	0.05	0.00	0.00	0.00	0.00	17.99
<b>ENE</b>	28	1.31	0.16	0.00	0.00	0.00	0.00	16.83
<b>E</b>	23	0.95	0.26	0.00	0.00	0.00	0.00	10.54
<b>ESE</b>	43	2.15	0.11	0.00	0.00	0.00	0.00	5.25
<b>SE</b>	97	5.04	0.05	0.00	0.00	0.00	0.00	5.05
<b>SSE</b>	112	5.41	0.47	0.00	0.00	0.00	0.00	4.21
<b>S</b>	597	25.12	6.20	0.05	0.00	0.00	0.00	1.64
<b>SSW</b>	354	15.34	3.10	0.16	0.00	0.00	0.00	2.28
<b>SW</b>	91	1.84	1.94	0.95	0.05	0.00	0.00	6.01
<b>WSW</b>	52	0.63	1.42	0.63	0.05	0.00	0.00	5.05
<b>W</b>	50	1.05	1.26	0.21	0.11	0.00	0.00	2.44
<b>WNW</b>	50	1.89	0.68	0.05	0.00	0.00	0.00	2.32
<b>NW</b>	56	1.73	1.00	0.21	0.00	0.00	0.00	2.36
<b>NNW</b>	143	3.42	2.84	1.26	0.00	0.00	0.00	3.85
<b>Totals</b>	<b>1903</b>	<b>74.78</b>	<b>21.28</b>	<b>3.73</b>	<b>0.21</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

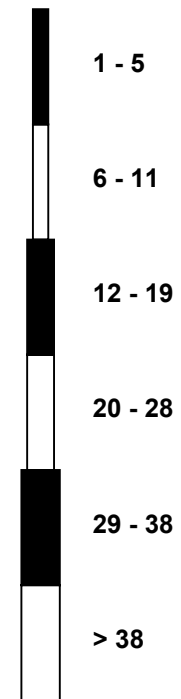
# Wind Rose

Eagle Valley Community Hall - Oct 1, 2024 to Jan 1, 2025

Wind Speed (WS) (km/h)



Wind Speed Classes (km/h)





**PAMZ** | Parkland Airshed  
Management Zone

# Parkland Airshed Management Zone

**Eagle Valley Community Hall Site**

**October 2024**

**Continuous Ambient Air Quality Monitoring Program  
Monthly Report**

**Operations and Maintenance:**



**AIR QUALITY MONITORING**

**Data Validation and Report:**

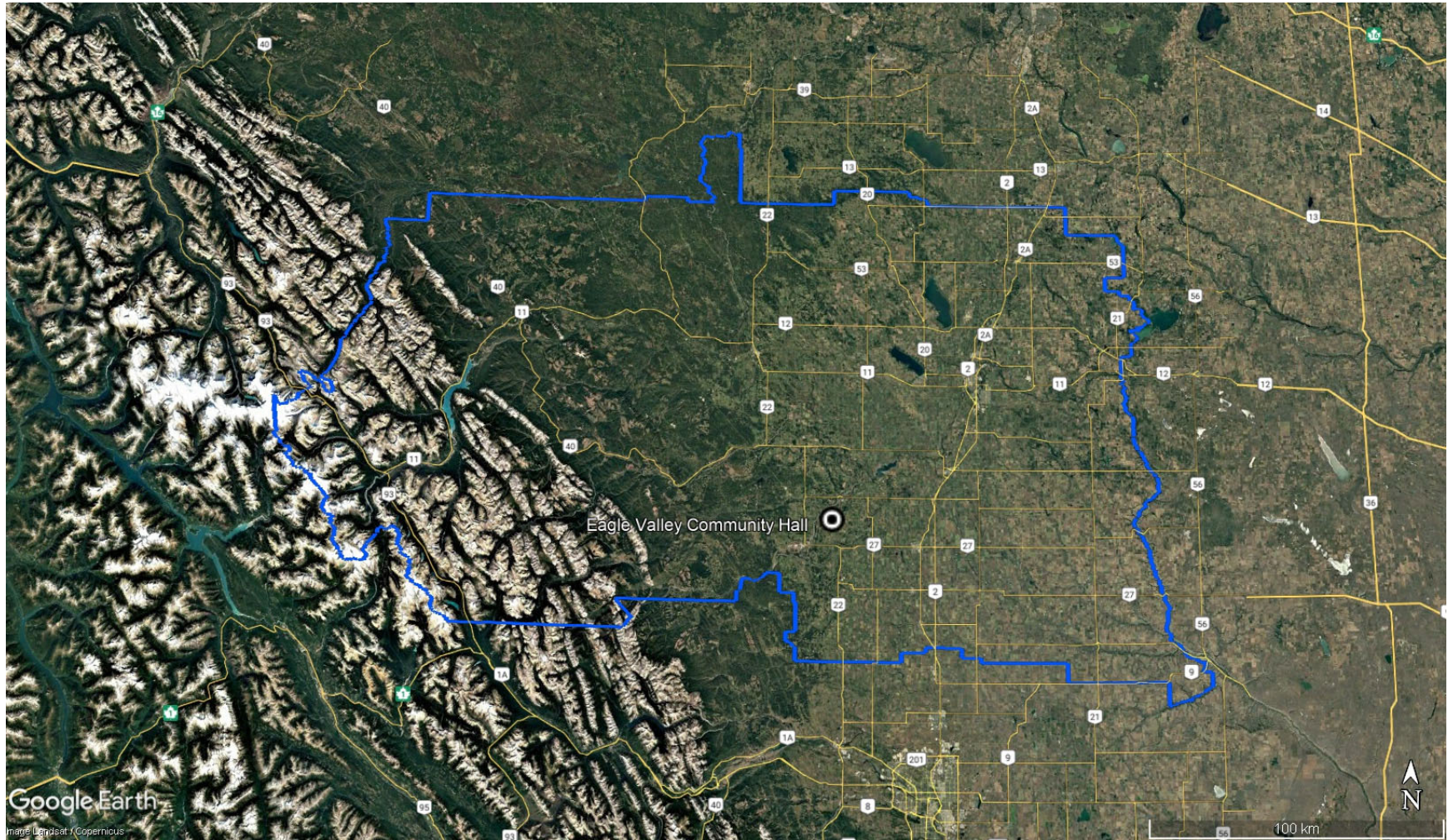




**Parkland AirShed Management Zone**  
**Ambient Air Monitoring Network**  
**October 2024**  
**Ambient Air Quality Monitoring Program Monthly Report**

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**Eagle Valley Community Hall Air Monitoring Station October 2024**

# Eagle Valley Community Hall - Continuous Air Quality Monitoring Data Summary

Ambient Air Quality Data Summary for the Month of October 2024																
Parkland Airshed Management Zone						Maximum Recorded Values										
Pollutant (units)	Objectives			Station	Monthly Average	1-hr				24-hr		Exceedence			Operational Time (%)	
	1-hr	24-hr	30-day			Conc	Day	WSPD (km/hr)	WDIR (Sector)	Conc	Day	1-hr	24-hr	30-day		
SO <sub>2</sub> (ppb)	172	48	11	Eagle River Community Hall	0.2	2.5	Oct-27 06:00	7	S	0.5	Oct-27	0	0	0	99.7%	
TRS (ppb)	10	3	-	Eagle River Community Hall	0.5	1.3	Oct-10 06:00	2	SSE	0.6	Oct-13	0	0	-	100.0%	
NO <sub>2</sub> (ppb)	159	-	-	Eagle River Community Hall	2.8	13.2	Oct-13 08:00	5	S	5.2	Oct-31	-	-	-	99.3%	
NO (ppb)	-	-	-	Eagle River Community Hall	0.3	6.1	Oct-26 10:00	4	NE	1.1	Oct-16	-	-	-	99.3%	
NO <sub>x</sub> (ppb)	-	-	-	Eagle River Community Hall	3.1	16.2	Oct-26 10:00	4	NE	5.5	Oct-31	-	-	-	99.3%	
O <sub>3</sub> (ppb)	76	-	-	Eagle River Community Hall	24.9	49.7	Oct-23 14:00	5	SSE	36.1	Oct-23	0	-	-	93.6%	
THC (ppm)	-	-	-	Eagle River Community Hall	2.1	2.9	Oct-14 07:00	4	S	2.3	Oct-31	-	-	-	100.0%	
CH <sub>4</sub> (ppm)	-	-	-	Eagle River Community Hall	2.1	2.7	Oct-29 20:00	2	SSW	2.3	Oct-31	-	-	-	100.0%	
NMHC (ppm)	-	-	-	Eagle River Community Hall	0.0	0.7	Oct-14 06:00	3	SSW	0.1	Oct-14	-	-	-	100.0%	
PM <sub>2.5</sub> (ug/m <sup>3</sup> )	80	29	-	Eagle River Community Hall	4.2	26.3	Oct-03 04:00	1	ENE	13.2	Oct-03	0	0	-	100.0%	
Temp (°C)	-	-	-	Eagle River Community Hall	3.6	25.4	Oct-13 14:00			11.6	Oct-14				100.0%	
RH (%)	-	-	-	Eagle River Community Hall	69.9	99.8	Oct-29 00:00			94.0	Oct-29				100.0%	
WSPD v (km/hr)	-	-	-	Eagle River Community Hall	1.8	24.0	Oct-04 15:00			10.0	Oct-19				97.6%	
WDIR	-	-	-	Eagle River Community Hall	S										97.6%	

# Eagle Valley Community Hall - Continuous Air Quality Monitoring Station & Equipment Summary

Eagle Valley Community Hall			
<p><b>General Station and Equipment Issues:</b>            Installation calibrations performed on October 2<sup>nd</sup> (SO<sub>2</sub>, TRS, NO/NO<sub>2</sub>/NO<sub>x</sub>, O<sub>3</sub>, THC/CH<sub>4</sub>/NMHC &amp; PM<sub>2.5</sub>). Routine monthly calibrations were performed on October 31<sup>st</sup> (NO/NO<sub>2</sub>/NO<sub>x</sub>, &amp; O<sub>3</sub>)</p>			
Parameter	Make	Model	Notes
<b>SO<sub>2</sub></b>	API	100A	Two (2) hours flagged as maintenance on October 3 <sup>rd</sup> after failed daily span.
<b>TRS</b>	API	T100	No operational issues observed.
<b>NO<sub>2</sub>/NO/NO<sub>x</sub></b>	API	T200	Two (2) hours flagged as maintenance on October 3 <sup>rd</sup> after failed daily span. Three (3) hours flagged as maintenance on October 31 <sup>st</sup> for GPT point check for Ozone calibration.
<b>O<sub>3</sub></b>	API	T400	Thirty-seven (37) hours flagged invalid due to analyzer pump failure on October 30 <sup>th</sup> and 31 <sup>st</sup> . An additional eight (8) hours flagged on October 31 <sup>st</sup> for overnight stabilization.
<b>PM<sub>2.5</sub></b>	Met One	Sharp 5030i	No operational issues observed.
<b>THC/CH<sub>4</sub>/NMHC</b>	TEI	55i	No operational issues observed.
<b>RH</b>	Met One	093	No operational issues observed.
<b>ET</b>	Met One	093	No operational issues observed.
<b>WS/WD</b>	Met One	010C/020C	One (1) hour flagged on October 9 <sup>th</sup> due to wind speed calm. Three (3) hours flagged on October 16 <sup>th</sup> due to wind speed calm. One (1) hour flagged on October 21 <sup>st</sup> due to wind speed calm. One (1) hour flagged on October 22 <sup>nd</sup> due to wind speed calm. Two (2) hours flagged on October 28 <sup>th</sup> due to wind speed calm. Eight (8) hours flagged on October 29 <sup>th</sup> due to wind speed calm. One (1) hour flagged on October 30 <sup>th</sup> due to wind speed calm.

# Hourly Averages

# Sulphur Dioxide (SO<sub>2</sub>) - ppb

## Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 710
Maximum Value: 2.5 ppb on Oct 27 06:00	Maximum Daily Average: 0.5 ppb on Oct 27
Minimum Value: 0 ppb on Oct 2 16:00	Hours of Data: 674
Maximum Diurnal Average: 0.2 ppb at hour 11	Hours of Missing Data: 36
Monthly Average: 0.11 ppb	Hours of Calibration: 34
Minimum Daily Average: 0.0 ppb on Oct 7	Percent Operational Time: 99.7
Minimum Diurnal Average: 0.1 ppb at hour 21	
Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.0 Q <sub>3</sub> = 0.2 P <sub>90</sub> = 0.3 P <sub>99</sub> = 0.9	

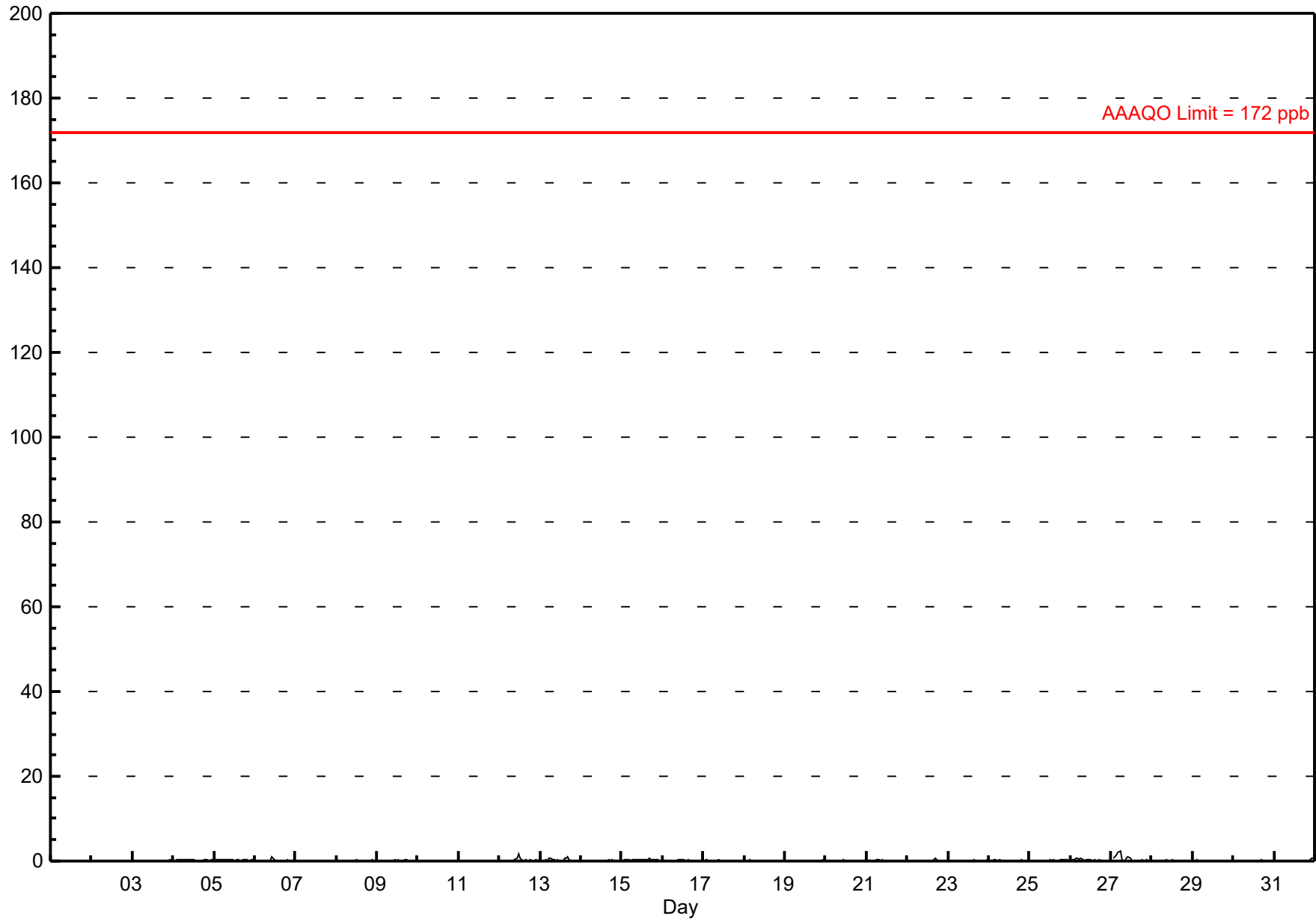
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	C	0	0	0	0	0	0	0	0	0	--	0.0
3-Oct	A	0	0	0	0	0	0	0	M	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
4-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
5-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
6-Oct	A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9
7-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
8-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
9-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
10-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
11-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
12-Oct	A	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0.2	1.7
13-Oct	A	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0.3	1.0
14-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
15-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.3	0.5
16-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
17-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
18-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
19-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
20-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
21-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
22-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.1	0.5
23-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
24-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
25-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
26-Oct	A	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.7
27-Oct	A	1	1	1	2	2	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	2.5
28-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
29-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
30-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
31-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.1	0.6
	--	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Diurnal Average	
	--	0.5	0.9	1.3	2.0	2.5	0.7	0.4	0.4	0.7	1.0	1.7	0.5	0.3	0.7	0.8	1.0	0.4	0.3	0.4	0.3	0.4	0.6	0.6	Diurnal Maximum	

C - Calibration      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span  
 Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 172 ppb      24-hr 48 ppb      30-day 11 ppb

# Hourly Averages

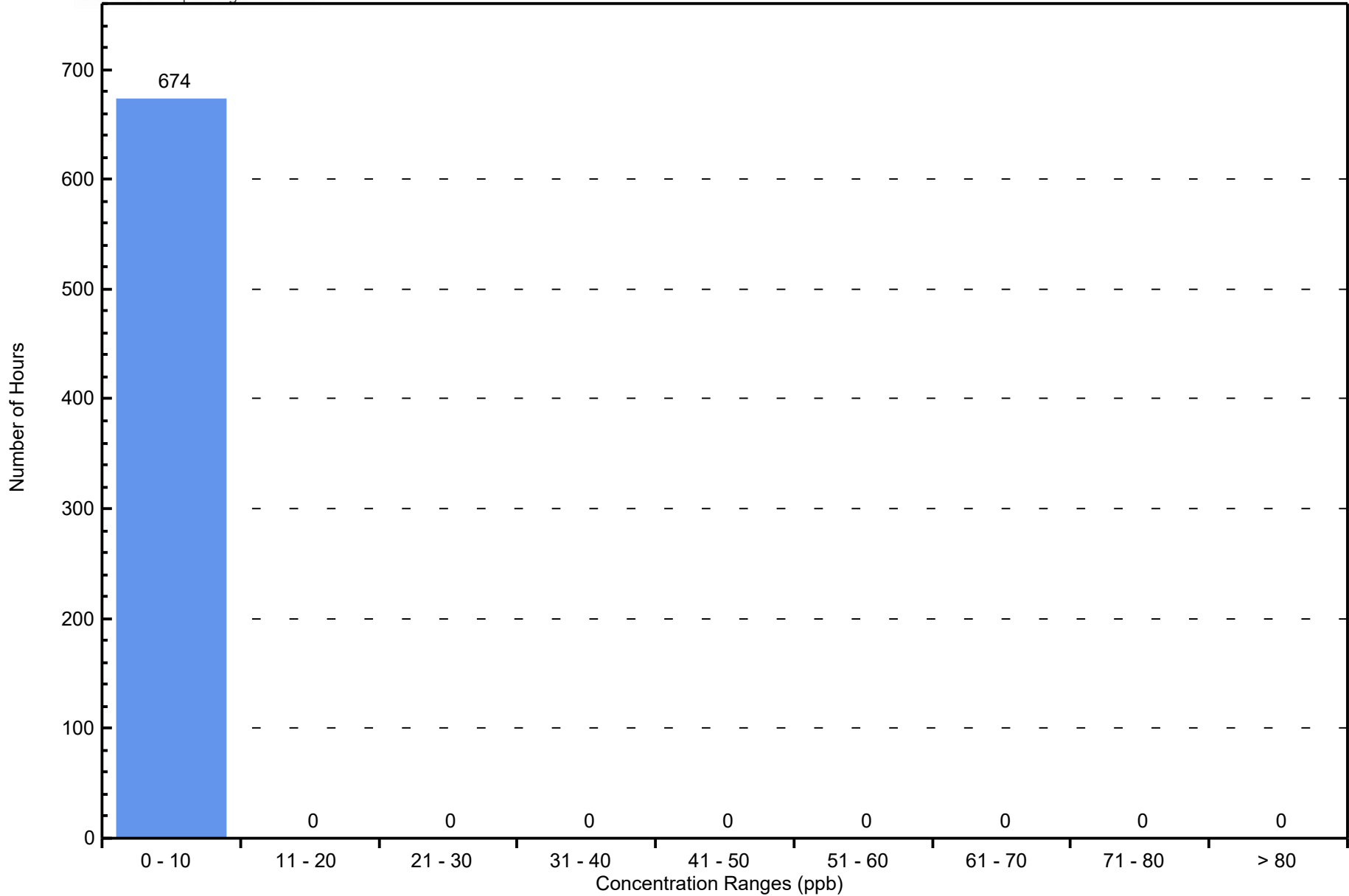
Sulphur Dioxide (SO<sub>2</sub>) - ppb

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024



# Histogram of Hourly Averages

Sulphur Dioxide (SO<sub>2</sub>) - ppb  
Eagle Valley Community Hall - October 2024



# Hourly Averages

## Total Reduced Sulphur (TRS) - ppb

### Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 710
Maximum Value: 1.3 ppb on Oct 10 06:00	Maximum Daily Average: 0.6 ppb on Oct 13
Minimum Value: 0 ppb on Oct 11 08:00	Hours of Data: 677
Maximum Diurnal Average: 0.5 ppb at hour 20	Hours of Missing Data: 33
Monthly Average: 0.45 ppb	Hours of Calibration: 33
Minimum Daily Average: 0.1 ppb on Oct 11	Percent Operational Time: 100.0
Minimum Diurnal Average: 0.4 ppb at hour 5	
Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.2 Q <sub>1</sub> = 0.4 Median = 0.5 Q <sub>3</sub> = 0.5 P <sub>90</sub> = 0.6 P <sub>99</sub> = 0.9	

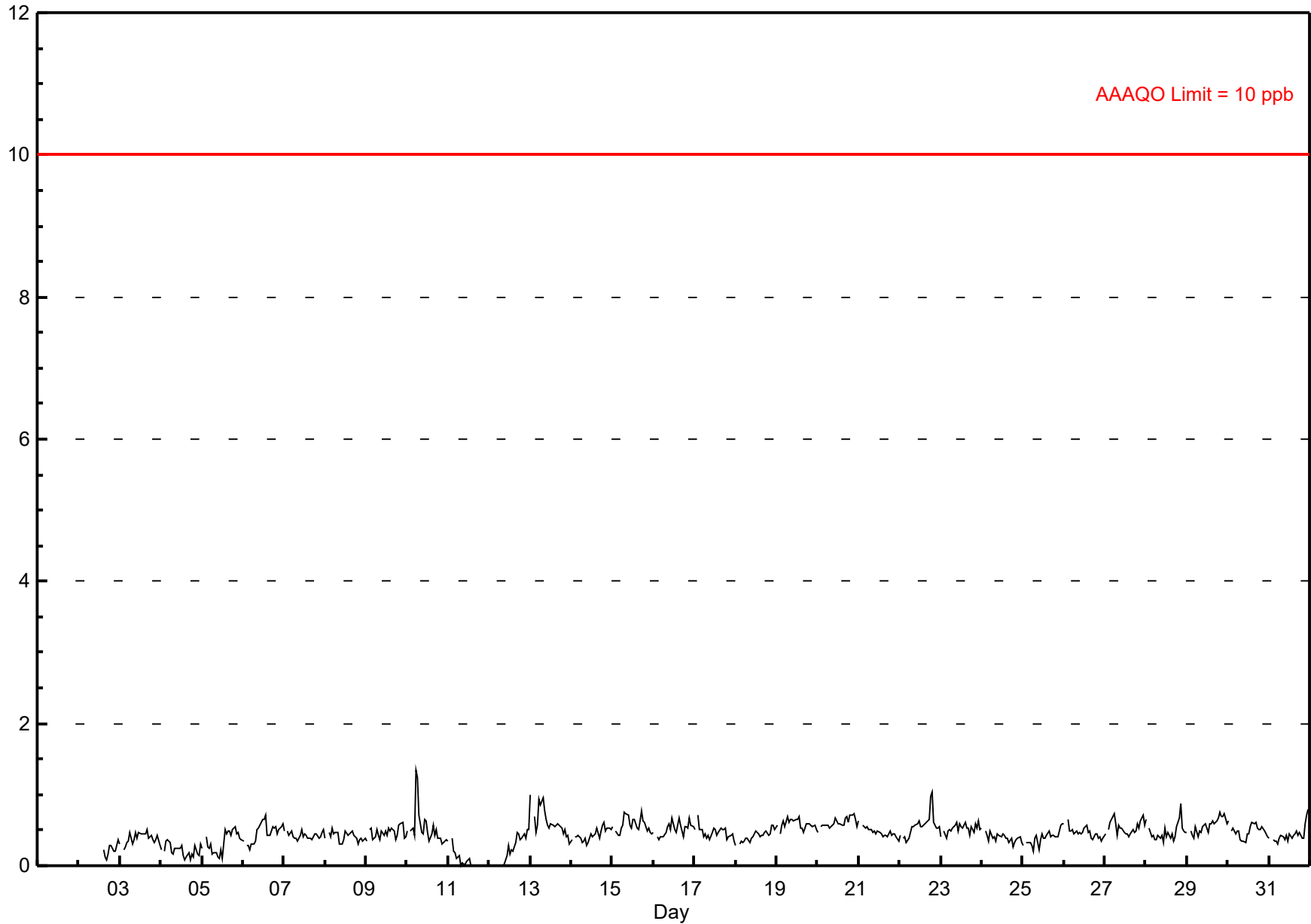
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	0	0	0	0	0	0	0	0	0	0	--	0.4
3-Oct	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.4	0.5
4-Oct	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
5-Oct	0	A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0.3	0.6
6-Oct	0	A	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	0	1	1	1	0.5	0.7
7-Oct	0	A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.4	0.5
8-Oct	0	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5
9-Oct	0	A	1	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	1	1	1	0	0	0.5	0.6
10-Oct	0	A	0	1	0	1	1	1	0	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0.5	1.3
11-Oct	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
12-Oct	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.2	0.5
13-Oct	1	A	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0.6	1.0
14-Oct	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	1	1	1	0.4	0.6
15-Oct	1	A	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0.6	0.8
16-Oct	0	A	0	0	0	0	0	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	0.5	0.7
17-Oct	1	A	1	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0.5	0.7
18-Oct	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.4	0.6
19-Oct	1	A	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0.6	0.7
20-Oct	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.7
21-Oct	1	A	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.6
22-Oct	0	A	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	1.0
23-Oct	0	A	0	0	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	1	1	0.5	0.6
24-Oct	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5
25-Oct	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.4	0.6
26-Oct	1	A	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.5	0.6
27-Oct	0	A	1	1	1	1	1	0	1	1	1	0	0	0	0	0	1	0	0	1	1	1	1	1	0.5	0.7
28-Oct	1	A	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0.5	0.9
29-Oct	0	A	0	0	0	1	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8
30-Oct	1	A	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0.5	0.6
31-Oct	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.4	0.8
	0.4	--	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4		Diurnal Average	
	1.0	--	0.7	0.6	0.7	1.3	1.2	1.0	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.8	1.0	1.0	0.9	0.7	0.7	0.8	Diurnal Maximum	

C - Calibration      NS - Not in service      A - Automated Daily Zero Span  
 Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 10 ppb      24-hr 3 ppb

# Hourly Averages

Total Reduced Sulphur (TRS) - ppb

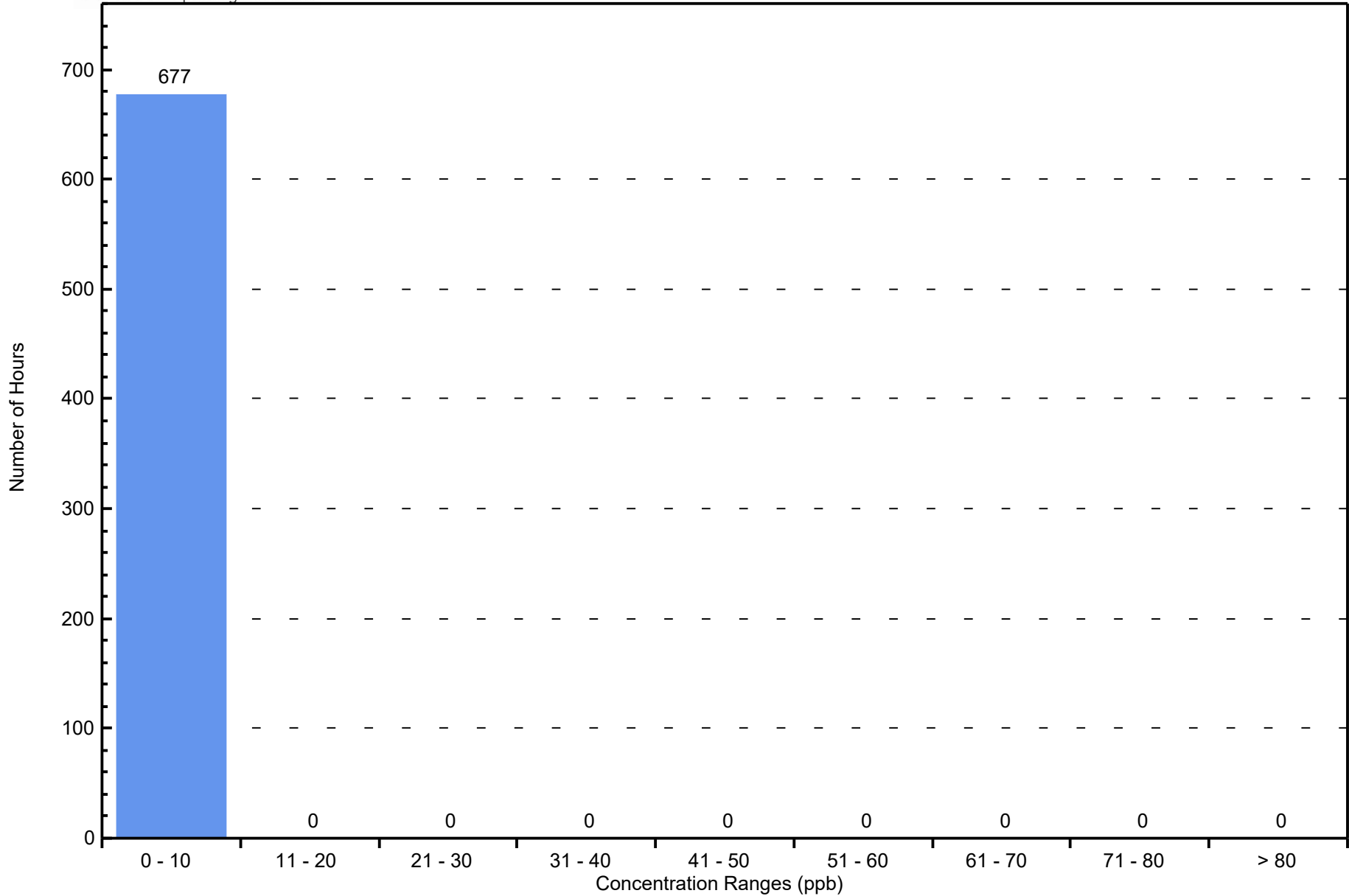
Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024





# Histogram of Hourly Averages      Total Reduced Sulphur (TRS) - ppb

## Eagle Valley Community Hall - October 2024



# Hourly Averages

## Nitrogen Dioxide (NO<sub>2</sub>) - ppb

### Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 710
Maximum Value: 13.2 ppb on Oct 13 08:00	Maximum Daily Average: 5.2 ppb on Oct 31
Minimum Value: 0 ppb on Oct 8 00:00	Hours of Data: 671
Maximum Diurnal Average: 4.6 ppb at hour 9	Hours of Missing Data: 39
Monthly Average: 2.69 ppb	Hours of Calibration: 34
Minimum Daily Average: 0.7 ppb on Oct 19	Percent Operational Time: 99.3
Minimum Diurnal Average: 1.6 ppb at hour 14	
Percentiles: P <sub>1</sub> = 0.1 P <sub>10</sub> = 0.8 Q <sub>1</sub> = 1.4 Median = 2.4 Q <sub>3</sub> = 3.6 P <sub>90</sub> = 5.0 P <sub>99</sub> = 8.3	

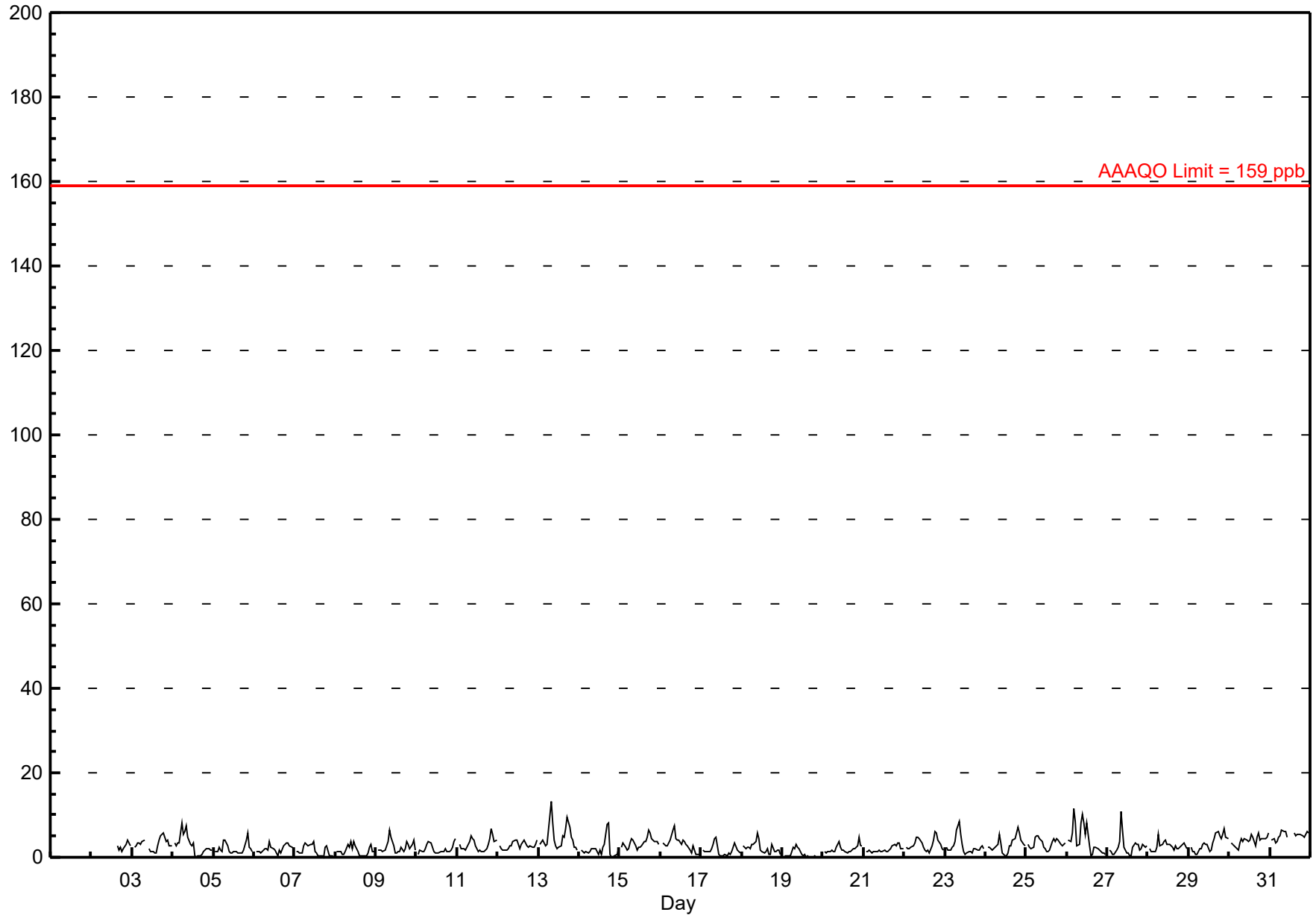
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	C	3	2	2	1	2	3	4	3	3	--	3.9
3-Oct	A	2	3	3	4	3	4	4	M	M	2	1	2	1	1	3	4	5	6	5	4	4	3	3	3.1	5.7
4-Oct	A	3	3	4	4	8	6	6	7	5	3	3	3	0	0	0	0	1	1	2	2	2	2	2	2.9	8.1
5-Oct	A	1	1	2	2	2	4	4	3	1	1	1	1	1	1	1	1	1	2	4	6	3	2	1	2.0	5.8
6-Oct	A	1	1	1	1	1	2	2	2	4	2	2	2	1	1	2	1	3	3	3	4	3	2	2	2.0	3.8
7-Oct	A	1	1	1	1	3	3	3	3	3	3	4	1	1	0	0	0	0	2	3	0	0	0	0	1.5	3.7
8-Oct	A	2	1	1	1	1	1	3	2	4	2	4	3	1	1	0	0	0	1	1	2	3	1	1	1.6	3.8
9-Oct	A	2	2	2	2	2	3	4	6	5	3	1	1	1	2	3	1	2	4	3	2	3	4	2	2.5	6.4
10-Oct	A	1	2	1	1	2	3	4	3	2	1	1	1	1	2	1	2	2	1	1	2	2	4	4	2.0	4.4
11-Oct	A	3	2	2	2	2	3	4	5	4	4	3	1	2	1	1	1	2	3	4	7	5	4	4	3.0	6.8
12-Oct	A	3	2	2	2	2	2	3	3	4	4	4	3	2	3	4	3	3	2	3	3	2	3	4	2.8	4.1
13-Oct	A	3	4	3	3	3	6	13	8	4	3	2	2	3	5	5	7	10	7	5	4	2	3	2	4.6	13.2
14-Oct	A	2	2	1	1	1	1	2	2	2	2	1	2	1	2	3	8	8	1	0	0	1	1	2	1.9	8.1
15-Oct	A	2	3	3	2	2	4	4	4	3	2	3	2	3	4	4	5	6	6	4	4	4	4	3	3.4	6.3
16-Oct	A	3	3	3	3	3	4	7	7	4	4	4	3	4	4	3	3	2	1	3	2	1	1	1	3.1	7.3
17-Oct	A	2	1	1	1	1	2	3	5	5	1	0	0	0	1	1	1	1	1	3	3	2	1	1	1.6	4.7
18-Oct	A	3	2	3	2	2	3	3	4	6	5	2	1	1	2	2	1	1	3	1	1	2	2	1	2.2	5.9
19-Oct	A	0	0	1	0	1	3	2	3	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0.7	2.9
20-Oct	A	1	1	1	1	2	1	2	2	4	3	2	2	1	1	2	1	2	2	2	3	5	3	3	1.9	4.6
21-Oct	A	1	1	2	1	1	1	1	2	2	1	2	2	1	2	2	2	3	3	3	3	3	2	2	1.9	3.4
22-Oct	A	2	2	2	2	3	3	5	5	4	3	2	2	1	2	1	3	4	6	6	4	3	2	2	3.0	6.1
23-Oct	A	2	2	2	3	3	4	7	9	6	3	1	1	1	1	1	1	2	2	2	2	3	3	2	2.6	8.5
24-Oct	A	3	2	2	2	2	3	3	5	4	1	1	1	1	3	3	4	4	6	7	6	4	3	3	3.1	7.2
25-Oct	A	3	2	2	2	5	5	5	5	4	2	2	1	1	2	4	4	4	4	4	3	3	3	3	3.2	5.1
26-Oct	A	4	4	6	12	9	3	3	8	10	8	6	8	3	1	1	3	2	2	2	1	1	1	1	4.2	11.6
27-Oct	A	2	2	1	1	2	3	4	11	6	3	1	1	0	0	3	3	3	3	2	2	3	2	3	2.5	10.8
28-Oct	A	2	2	1	1	2	5	3	3	4	4	3	3	3	3	2	3	2	2	3	3	3	3	2	2.7	5.4
29-Oct	A	3	1	2	1	1	2	2	3	3	3	3	1	2	3	4	6	6	5	4	6	7	5	4	3.3	6.7
30-Oct	A	3	3	3	2	2	3	4	4	4	4	4	4	5	5	3	5	6	4	4	5	4	5	6	4.0	5.7
31-Oct	A	4	4	4	4	5	5	7	6	6	5	M	M	M	6	5	6	5	5	5	5	5	6	6	5.2	6.6
																								--	--	
																								2.2	4.0	
																								2.1	4.3	
																								2.1	5.9	
																								2.1	11.6	
																								2.5	8.6	
																								3.2	6.4	
																								4.0	13.2	
																								4.6	10.8	
																								4.1	10.1	
																								2.9	8.2	
																								2.2	5.5	
																								2.0	8.1	
																								1.6	5.4	
																								1.9	5.6	
																								2.1	5.1	
																								2.7	7.8	
																								3.1	9.6	
																								3.0	7.2	
																								3.0	7.2	
																								3.0	6.8	
																								2.9	6.7	
																								2.5	6.0	
																								2.4	5.8	
																								Diurnal Average		
																								Diurnal Maximum		

C - Calibration      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span  
 Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 159 ppb      24-hr 106 ppb

# Hourly Averages

Nitrogen Dioxide (NO<sub>2</sub>) - ppb

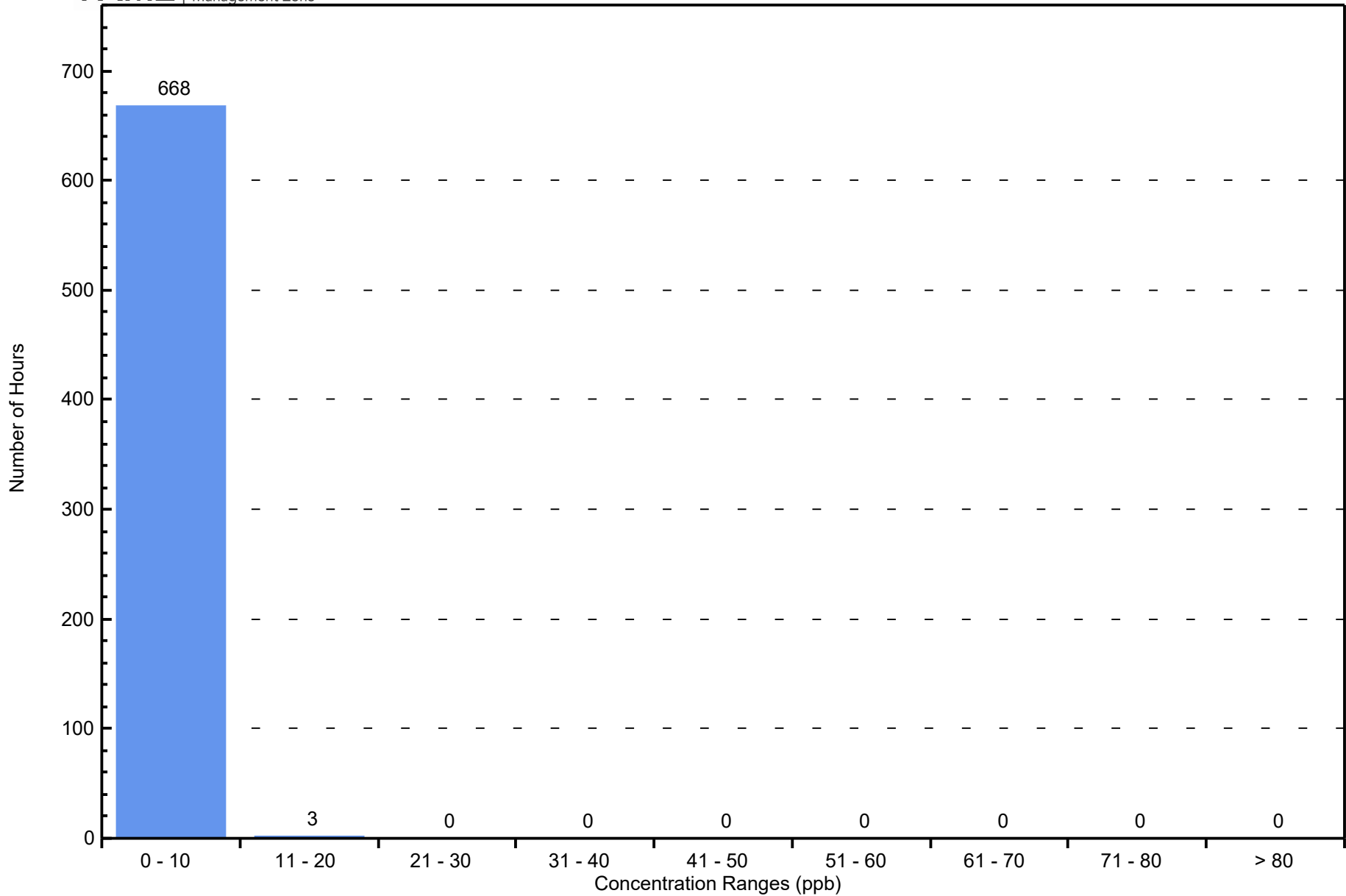
Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024





# Histogram of Hourly Averages

Nitrogen Dioxide (NO<sub>2</sub>) - ppb  
Eagle Valley Community Hall - October 2024



# Hourly Averages

## Oxides of Nitrogen (NO<sub>x</sub>) - ppb

### Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

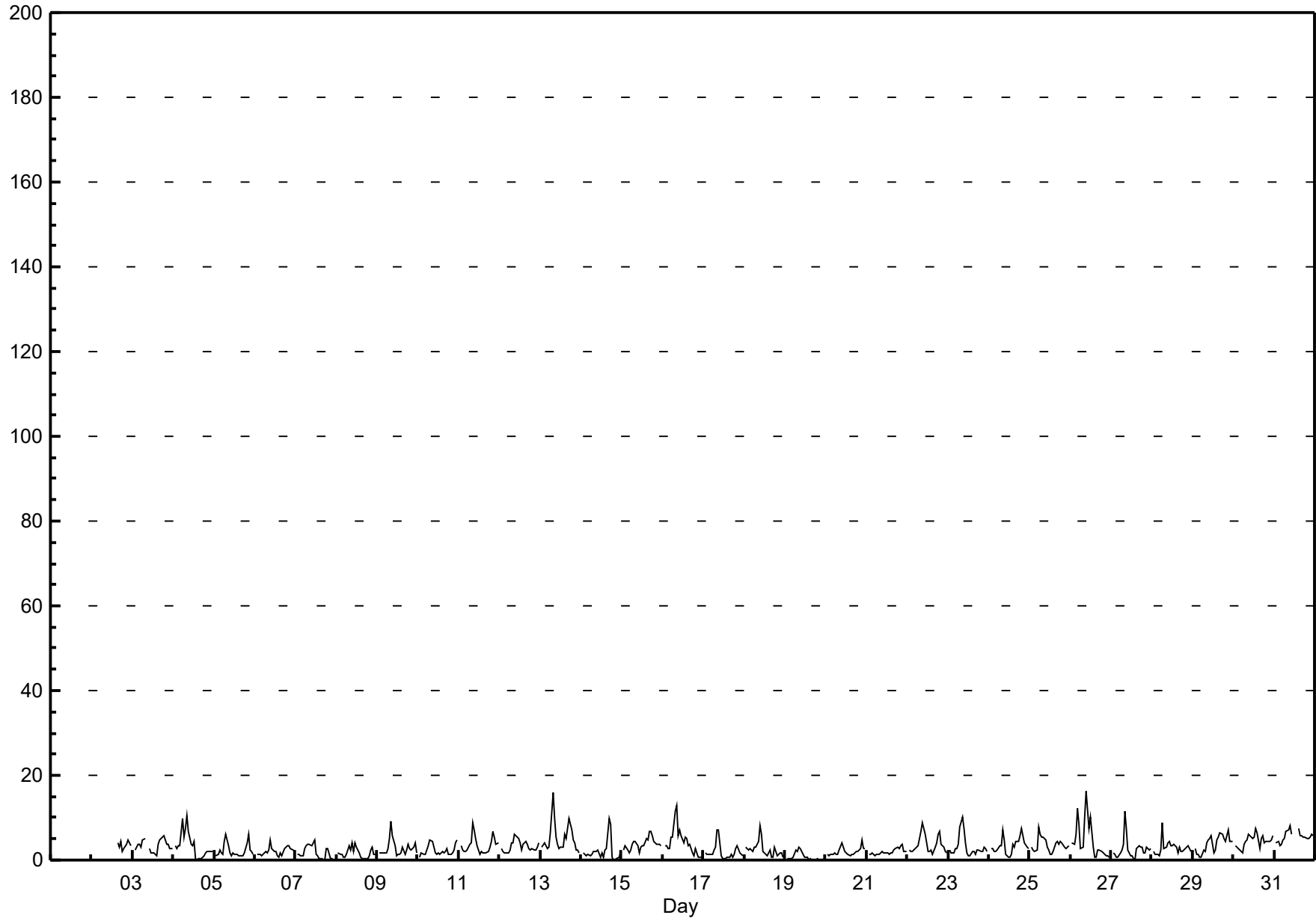
Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0 Maximum Value: 16.2 ppb on Oct 26 10:00      Maximum Daily Average: 5.5 ppb on Oct 31		Hours in Service: 710 Hours of Data: 671 Hours of Missing Data: 39 Hours of Calibration: 34 Percent Operational Time: 99.3																									
Minimum Value: 0 ppb on Oct 19 22:00 Maximum Diurnal Average: 6.0 ppb at hour 9 Monthly Average: 3.05 ppb		Minimum Daily Average: 0.8 ppb on Oct 19 Minimum Diurnal Average: 1.9 ppb at hour 14 Percentiles: P <sub>1</sub> = 0.1 P <sub>10</sub> = 0.8 Q <sub>1</sub> = 1.5 Median = 2.6 Q <sub>3</sub> = 4.0 P <sub>90</sub> = 5.8 P <sub>99</sub> = 10.9																									
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	C	4	3	5	2	3	4	5	4	3	--	4.7	
3-Oct	A	2	3	4	4	3	5	5	M	M	3	2	2	1	1	4	5	5	6	5	4	4	3	3	3.4	5.7	
4-Oct	A	3	3	4	3	10	6	7	11	7	4	3	4	0	0	0	0	1	1	2	2	2	2	2	3.4	10.6	
5-Oct	A	1	1	2	2	1	4	6	4	2	1	2	2	2	1	1	1	1	2	4	6	2	2	1	2.3	6.0	
6-Oct	A	1	1	1	1	1	2	2	2	5	3	2	2	1	1	2	1	3	3	3	4	3	2	2	2.1	4.7	
7-Oct	A	1	1	1	1	3	3	4	4	4	4	5	1	1	0	0	0	0	3	3	0	0	0	0	1.7	4.6	
8-Oct	A	2	1	1	1	1	1	3	2	4	2	4	3	2	1	0	0	0	0	1	2	3	1	1	1.7	4.2	
9-Oct	A	2	2	2	2	2	3	5	9	6	3	1	1	1	2	3	1	2	4	3	2	3	4	2	2.8	9.0	
10-Oct	A	1	2	1	1	2	3	5	4	3	2	1	2	1	2	2	2	3	1	1	2	2	4	5	2.3	4.8	
11-Oct	A	4	2	2	2	2	4	4	9	7	5	3	2	2	2	2	2	2	3	4	7	5	4	4	3.6	8.8	
12-Oct	A	3	2	2	2	2	2	4	4	6	5	5	4	2	4	5	4	3	2	3	3	2	3	4	3.3	6.0	
13-Oct	A	3	4	3	3	3	7	16	10	6	4	3	3	3	6	5	7	10	7	5	4	2	2	2	5.1	16.1	
14-Oct	A	2	2	1	1	1	1	2	2	2	2	1	2	1	2	3	10	8	1	0	0	0	1	2	2.0	9.9	
15-Oct	A	2	4	2	2	2	4	4	4	3	2	3	3	3	5	5	7	7	6	4	4	4	4	3	3.8	6.8	
16-Oct	A	3	3	3	3	6	6	12	13	6	7	6	4	5	5	3	4	2	1	3	2	1	1	1	4.2	13.0	
17-Oct	A	2	1	1	1	1	2	3	7	7	1	0	0	0	1	1	1	1	1	3	3	2	1	1	1.9	7.1	
18-Oct	A	3	2	3	2	2	3	3	4	8	6	2	2	1	2	2	1	1	3	1	1	2	2	1	2.5	8.0	
19-Oct	A	0	0	0	0	1	2	2	3	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0.8	2.9	
20-Oct	A	1	1	1	1	2	1	1	2	4	3	2	2	1	1	2	1	2	2	2	3	5	3	3	2.0	4.6	
21-Oct	A	1	1	2	1	1	1	1	2	2	2	2	2	1	2	2	2	3	3	3	3	4	2	2	2.0	3.8	
22-Oct	A	2	2	2	2	3	3	5	7	9	6	4	2	2	2	1	3	4	6	7	4	3	2	2	3.7	8.9	
23-Oct	A	2	2	2	3	3	4	8	10	7	4	2	1	1	2	2	1	2	2	2	2	3	3	2	3.0	10.1	
24-Oct	A	3	3	2	2	2	3	3	7	5	1	1	1	1	4	3	5	4	6	7	6	4	3	3	3.4	7.3	
25-Oct	A	3	2	2	2	8	6	5	5	5	3	3	1	1	2	4	4	4	4	4	3	3	3	3	3.6	7.9	
26-Oct	A	4	4	6	12	9	3	3	10	16	12	7	10	3	1	1	3	2	2	2	1	1	1	1	4.9	16.2	
27-Oct	A	2	1	1	1	2	2	4	12	7	3	1	1	0	0	3	3	3	3	2	2	3	2	3	2.6	11.6	
28-Oct	A	2	2	1	1	2	9	3	3	4	4	3	3	4	3	2	3	2	2	3	3	3	3	2	2.9	8.9	
29-Oct	A	3	1	1	1	1	2	2	4	5	5	6	2	2	5	5	6	6	5	4	6	7	5	4	3.9	7.0	
30-Oct	A	3	3	3	2	2	4	4	5	6	5	5	5	7	6	3	5	6	4	4	4	4	5	6	4.5	7.4	
31-Oct	A	4	4	4	4	5	5	7	7	8	6	M	M	M	7	6	6	5	5	5	5	5	6	6	5.5	8.3	
		--	2.3	2.1	2.1	2.2	2.8	3.5	4.6	6.0	5.6	3.8	2.8	2.4	1.9	2.4	2.4	3.1	3.2	3.1	3.1	3.0	2.9	2.6	2.4	Diurnal Average	
		--	4.0	4.3	5.9	12.1	9.8	8.9	16.1	13.0	16.2	11.8	7.5	10.2	7.4	7.3	5.7	9.9	9.8	7.2	7.3	6.8	7.0	6.0	5.8	Diurnal Maximum	
C - Calibration		M - Maintenance				NS - Not in service				A - Automated Daily Zero Span																	



## Hourly Averages

Oxides of Nitrogen (NO<sub>x</sub>) - ppb

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

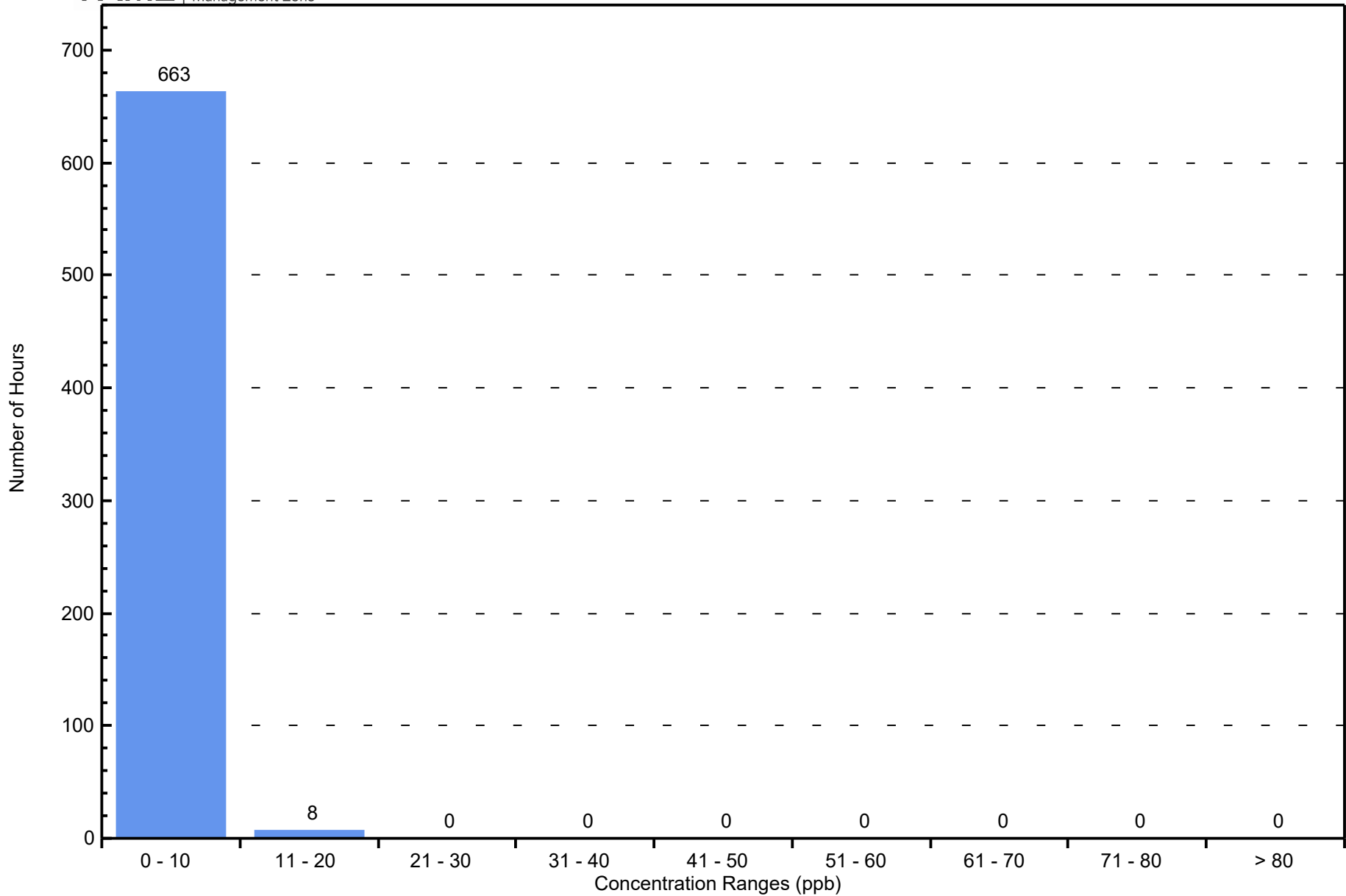




# Histogram of Hourly Averages

Oxides of Nitrogen (NO<sub>x</sub>) - ppb

Eagle Valley Community Hall - October 2024



# Hourly Averages

## Nitrogen Oxide (NO) - ppb

### Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0	Hours in Service: 710
Maximum Value: 6.1 ppb on Oct 26 10:00	Maximum Daily Average: 1.1 ppb on Oct 16
Minimum Value: 0 ppb on Oct 3 02:00	Hours of Data: 671
Maximum Diurnal Average: 1.5 ppb at hour 10	Hours of Missing Data: 39
Monthly Average: 0.36 ppb	Hours of Calibration: 34
Minimum Daily Average: 0.0 ppb on Oct 19	Percent Operational Time: 99.3
Minimum Diurnal Average: 0.0 ppb at hour 4	
Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.0 Q <sub>3</sub> = 0.4 P <sub>90</sub> = 1.2 P <sub>99</sub> = 3.4	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	C	1	1	2	1	1	1	1	1	1	--	2.2
3-Oct	A	0	0	0	0	0	1	1	M	M	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0.3	1.0
4-Oct	A	0	0	0	0	2	0	1	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.5	3.3
5-Oct	A	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.8
6-Oct	A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9
7-Oct	A	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.9
8-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
9-Oct	A	0	0	0	0	0	0	1	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.6
10-Oct	A	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0.3	1.2
11-Oct	A	0	0	0	0	0	1	1	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	3.8
12-Oct	A	0	0	0	0	0	0	1	1	2	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0.5	2.2
13-Oct	A	0	0	0	0	0	0	3	2	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0.5	2.9
14-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2	2.1
15-Oct	A	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	2	0	0	0	0	0	0	0	0.4	1.9
16-Oct	A	0	0	0	0	2	1	5	6	1	3	2	1	2	1	1	1	0	0	0	0	0	0	0	1.1	5.7
17-Oct	A	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.5
18-Oct	A	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.1
19-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
20-Oct	A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.6
21-Oct	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
22-Oct	A	0	0	0	0	0	0	0	2	5	3	2	1	1	1	0	0	0	0	0	1	0	0	0	0.7	4.6
23-Oct	A	0	0	0	0	0	0	1	2	2	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0.4	1.8
24-Oct	A	0	0	0	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.3	1.7
25-Oct	A	0	0	0	0	3	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	3.3
26-Oct	A	0	0	0	0	0	0	0	2	6	4	2	2	1	0	0	0	0	0	0	0	0	0	0	0.7	6.1
27-Oct	A	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.1
28-Oct	A	0	0	0	0	0	3	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0.3	3.5
29-Oct	A	0	0	0	0	0	0	0	1	2	2	3	0	1	1	1	1	0	0	0	0	0	0	0	0.5	2.6
30-Oct	A	0	0	0	0	0	0	0	1	2	2	1	1	2	2	0	0	0	0	0	0	0	0	0	0.5	2.0
31-Oct	A	0	0	0	0	0	0	0	1	2	1	M	M	M	2	1	0	0	0	0	0	0	0	0	0.4	2.2

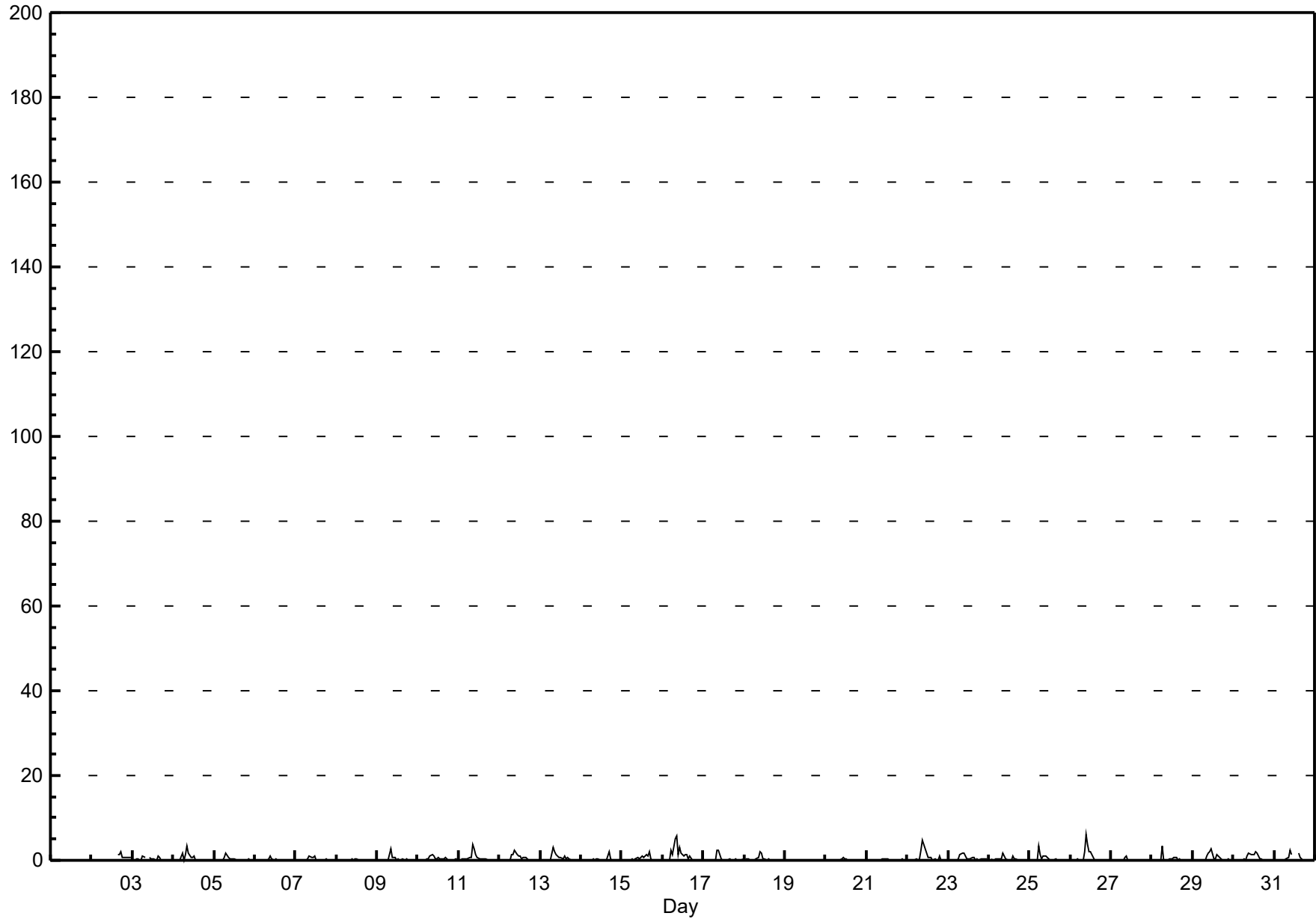
--	0.0	0.0	0.0	0.1	0.3	0.4	0.7	1.4	1.5	0.9	0.6	0.5	0.3	0.5	0.3	0.4	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	Diurnal Average
--	0.3	0.4	0.2	0.5	3.3	3.5	5.0	5.7	6.1	3.6	2.6	2.1	2.0	1.7	1.4	2.1	2.2	0.7	0.9	0.6	0.8	0.6	0.8	0.8	Diurnal Maximum	

C - Calibration      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span

# Hourly Averages

Nitrogen Oxide (NO) - ppb

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

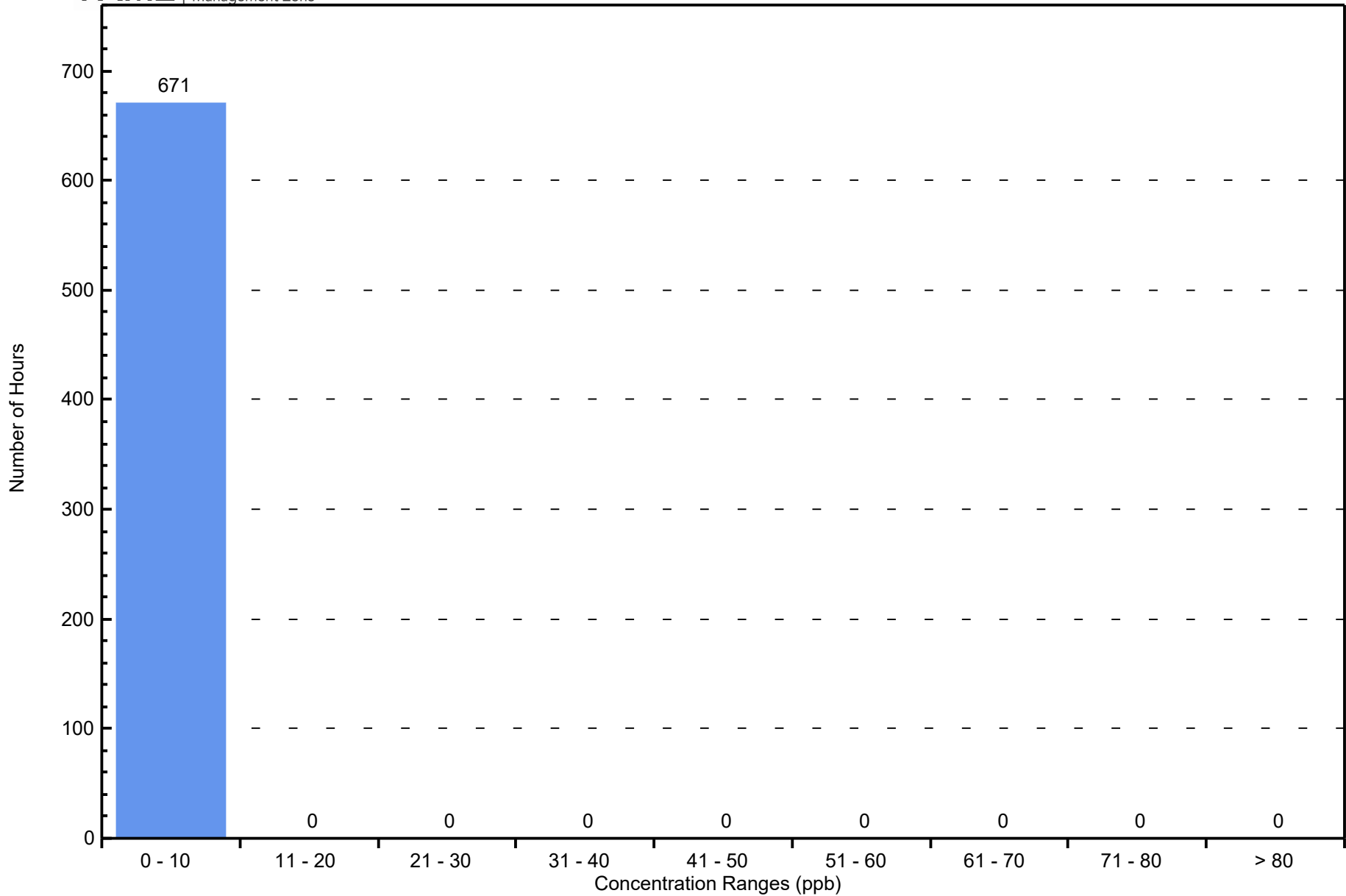




# Histogram of Hourly Averages

Nitrogen Oxide (NO) - ppb

Eagle Valley Community Hall - October 2024



# Hourly Averages

Ozone (O<sub>3</sub>) - ppb

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

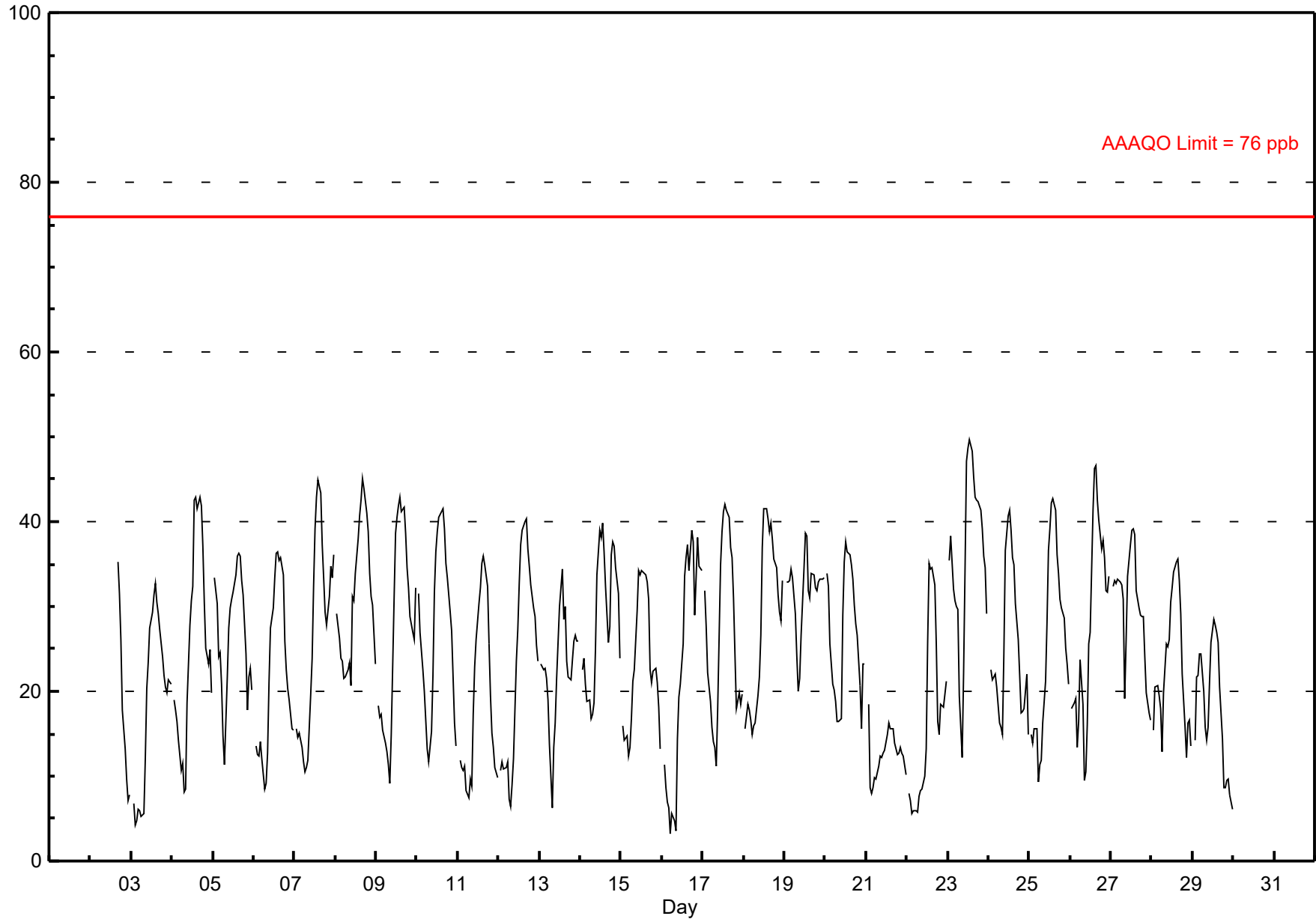
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0														Hours in Service: 706												
Maximum Value: 49.7 ppb on Oct 23 14:00														Maximum Daily Average: 36.1 ppb on Oct 23												
Minimum Value: 3 ppb on Oct 16 06:00														Minimum Daily Average: 12.6 ppb on Oct 21												
Maximum Diurnal Average: 37.1 ppb at hour 14														Minimum Diurnal Average: 14.0 ppb at hour 8												
Monthly Average: 24.85 ppb														Percentiles: P <sub>1</sub> = 5.6 P <sub>10</sub> = 11.0 Q <sub>1</sub> = 16.0 Median = 24.4 Q <sub>3</sub> = 33.4 P <sub>90</sub> = 38.8 P <sub>99</sub> = 45.2												
														Hours of Data: 629												
														Hours of Missing Data: 77												
														Hours of Calibration: 32												
														Percent Operational Time: 93.6												
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	35	32	26	18	13	10	7	8	--	35.2
3-Oct	A	7	4	5	6	6	5	6	12	20	23	27	29	31	33	31	29	27	24	22	21	20	21	21	18.7	32.8
4-Oct	A	19	18	16	14	11	12	8	9	19	28	31	32	42	43	42	43	42	37	30	25	23	25	20	25.6	42.8
5-Oct	A	33	30	24	25	21	15	11	22	27	30	31	32	34	36	36	36	33	31	24	18	22	23	20	26.7	36.3
6-Oct	A	14	13	12	14	12	9	9	13	21	27	30	33	36	36	35	36	34	26	23	20	19	16	15	21.9	36.4
7-Oct	A	16	15	15	13	12	10	11	12	20	24	32	39	43	45	43	37	33	29	28	31	35	33	36	26.7	44.9
8-Oct	A	29	26	24	24	22	22	22	23	31	31	34	38	41	43	45	44	41	39	34	31	30	23	31.2	45.2	
9-Oct	A	18	17	17	15	14	13	11	9	15	31	39	41	42	43	41	42	39	35	32	29	27	26	32	27.3	42.8
10-Oct	A	32	27	23	20	17	13	12	15	22	32	36	39	40	41	41	39	35	33	29	27	22	16	14	27.2	41.5
11-Oct	A	12	11	11	11	8	8	10	9	17	23	26	30	32	35	36	35	32	26	19	15	13	11	10	19.2	35.9
12-Oct	A	11	12	11	11	12	7	6	9	12	24	27	33	37	39	40	40	37	35	32	30	29	25	24	23.6	40.4
13-Oct	A	23	23	23	22	19	14	6	13	16	22	26	30	34	28	30	24	22	21	24	26	27	26	26	22.8	34.4
14-Oct	A	23	24	21	19	19	17	17	19	25	34	39	38	40	36	32	26	28	36	38	37	35	32	24	28.5	39.8
15-Oct	A	16	14	15	12	13	17	21	23	30	34	34	34	34	34	33	31	23	21	22	23	21	18	13	23.3	34.3
16-Oct	A	11	9	7	6	3	6	5	4	14	19	21	26	34	36	37	34	39	38	29	33	38	35	34	22.5	39.0
17-Oct	A	32	28	22	19	16	14	13	11	18	35	39	41	42	41	41	37	36	31	24	18	20	19	20	26.8	42.1
18-Oct	A	16	18	18	17	15	16	16	20	22	27	37	41	42	40	39	40	38	36	35	31	29	28	33	28.4	41.5
19-Oct	A	33	33	33	34	33	29	24	20	22	27	34	39	38	32	31	34	34	32	32	33	33	33	33	31.6	38.6
20-Oct	A	34	32	26	21	20	19	16	16	17	29	35	38	36	36	35	33	30	28	27	21	16	23	23	26.6	37.6
21-Oct	A	18	9	8	9	10	10	11	12	12	13	13	15	16	16	16	16	14	12	13	13	13	12	10	12.6	18.4
22-Oct	A	8	7	6	6	6	6	8	8	9	10	13	26	35	34	35	33	26	17	15	18	18	20	21	16.6	35.1
23-Oct	A	35	38	32	31	30	30	20	12	22	34	47	49	50	48	45	43	43	42	41	39	36	35	29	36.1	49.7
24-Oct	A	23	21	22	22	20	16	16	15	24	37	41	41	39	36	35	30	26	22	17	18	18	22	15	25.0	41.4
25-Oct	A	15	14	16	16	9	11	12	16	21	28	37	39	42	43	41	36	34	31	30	29	25	23	21	25.6	42.8
26-Oct	A	18	19	19	13	16	24	18	9	11	16	26	27	41	46	47	43	40	37	38	36	32	32	34	27.9	46.6
27-Oct	A	32	33	33	33	33	32	31	19	26	34	37	39	39	38	32	30	29	29	29	24	20	17	17	29.8	39.2
28-Oct	A	15	20	21	19	18	13	20	26	25	30	32	34	35	36	33	29	22	16	12	16	17	14	23.0	35.6	
29-Oct	A	14	22	22	24	24	20	16	14	16	21	26	28	28	27	26	21	14	9	9	9	10	8	6	18.0	28.4
30-Oct	A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	--	--
31-Oct	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	M	M	M	M	M	M	M	--	--
														Diurnal Average												
														Diurnal Maximum												
C - Calibration														M - Maintenance												
N - Not Valid														NS - Not in service												
A - Automated Daily Zero Span																										
Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 76 ppb														24-hr na												



## Hourly Averages

Ozone (O<sub>3</sub>) - ppb

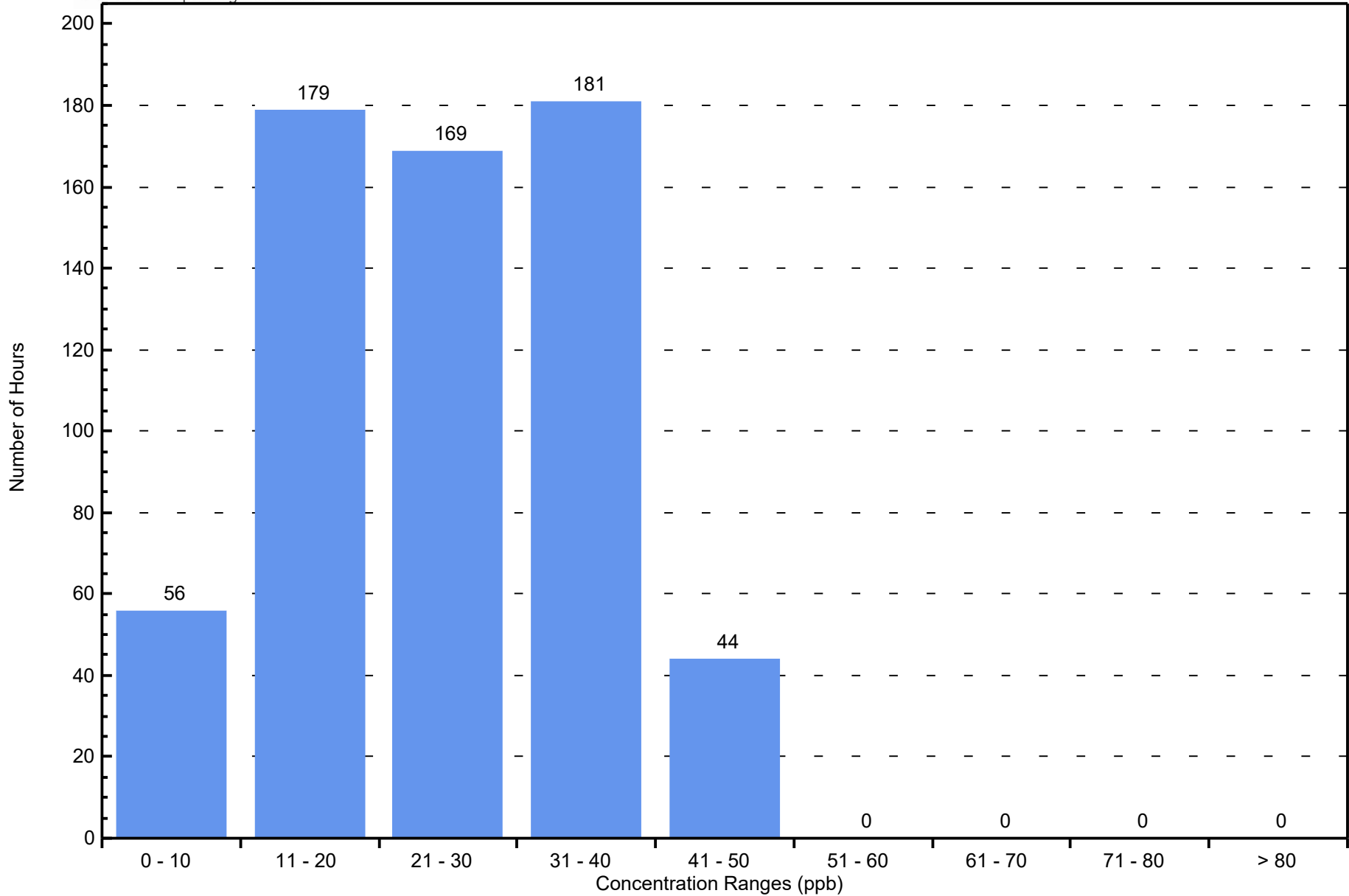
Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024



# Histogram of Hourly Averages

Ozone (O<sub>3</sub>) - ppb

Eagle Valley Community Hall - October 2024



# Hourly Averages

**PM2.5 (PM<sub>2.5</sub>) - µg/m<sup>3</sup>**

**Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024**

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 706
Maximum Value: 26.3 µg/m <sup>3</sup> on Oct 3 04:00	Maximum Daily Average: 13.2 µg/m <sup>3</sup> on Oct 3
Minimum Value: 0 µg/m <sup>3</sup> on Oct 19 07:00	Hours of Data: 705
Maximum Diurnal Average: 5.1 µg/m <sup>3</sup> at hour 22	Hours of Missing Data: 1
Monthly Average: 4.23 µg/m <sup>3</sup>	Hours of Calibration: 1
Minimum Daily Average: 0.5 µg/m <sup>3</sup> on Oct 19	Percent Operational Time: 100.0
Minimum Diurnal Average: 2.6 µg/m <sup>3</sup> at hour 14	
Percentiles: P <sub>1</sub> = 0.3 P <sub>10</sub> = 1.0 Q <sub>1</sub> = 1.5 Median = 2.8 Q <sub>3</sub> = 5.9 P <sub>90</sub> = 10.0 P <sub>99</sub> = 17.6	

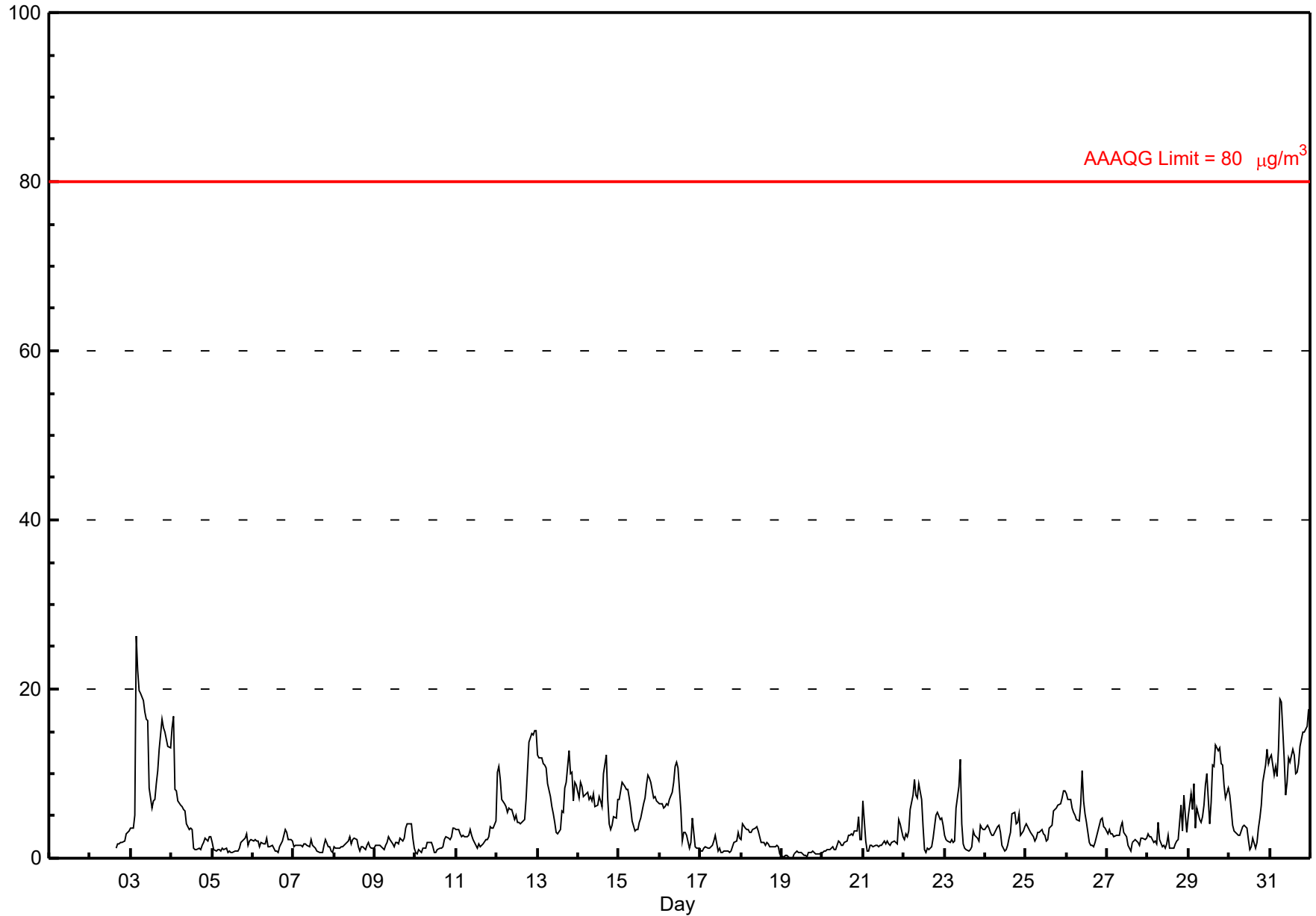
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																						
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	1	2	2	2	2	2	3	3	3	--	3.2																						
3-Oct	4	4	5	26	22	20	20	19	17	17	16	8	6	7	7	9	10	13	16	15	15	14	13	13	13.2	26.3																						
4-Oct	15	17	8	8	7	6	6	6	6	4	3	4	3	1	1	1	1	1	2	2	2	2	3	3	4.7	16.8																						
5-Oct	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	1.3	2.9																						
6-Oct	2	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	1	2	3	3	3	2	2	2	1.9	3.4																						
7-Oct	1	1	2	1	1	1	2	2	1	1	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1.3	2.2																						
8-Oct	1	1	1	1	1	1	2	2	2	3	2	2	2	2	1	1	1	1	1	2	2	1	1	1	1.6	2.5																						
9-Oct	2	1	2	2	1	1	1	2	2	2	2	1	2	2	2	2	2	2	4	4	4	4	2	1	2.1	4.2																						
10-Oct	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	2	2	3	4	4	1.6	3.6																						
11-Oct	3	3	3	3	3	3	3	3	3	3	2	2	1	2	1	2	2	2	2	3	4	3	4	4	2.6	4.4																						
12-Oct	10	11	9	7	6	6	6	6	6	6	5	5	4	4	4	4	5	7	10	14	15	15	15	15	8.1	15.2																						
13-Oct	12	12	12	11	11	11	9	7	6	5	4	3	3	3	6	5	8	9	13	10	10	7	9	9	8.2	12.7																						
14-Oct	7	9	9	7	8	8	7	7	7	8	6	6	7	7	6	10	12	7	4	3	4	5	5	7	6.9	12.1																						
15-Oct	7	8	9	8	8	8	7	6	4	3	3	3	4	5	6	7	9	10	9	9	7	7	7	7	6.8	9.8																						
16-Oct	6	6	6	6	6	6	7	8	9	11	11	11	6	2	3	3	3	1	2	5	3	1	1	1	5.2	11.4																						
17-Oct	1	1	1	1	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1.4	3.0																						
18-Oct	2	4	4	3	3	3	3	3	4	4	3	3	2	2	2	2	2	1	1	1	1	2	1	1	2.4	4.0																						
19-Oct	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0.5	0.8																						
20-Oct	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	3	3	3	3	3	3	5	2	2	2.0	5.0																						
21-Oct	7	2	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	5	4	3	2.1	6.9																						
22-Oct	2	3	3	3	6	8	9	7	7	9	7	4	1	1	1	1	1	2	4	5	5	5	5	4	4.3	9.3																						
23-Oct	3	2	2	2	2	2	2	6	8	12	4	2	1	1	1	1	1	3	3	2	2	4	4	3	3.1	11.7																						
24-Oct	3	4	4	3	3	3	3	4	4	3	2	1	1	2	2	3	5	5	4	4	5	3	3	4	3.2	5.5																						
25-Oct	4	4	3	3	3	2	2	3	3	3	3	3	2	2	4	4	6	6	6	6	7	7	8	8	4.2	8.0																						
26-Oct	8	7	7	6	5	5	5	4	7	10	7	5	4	2	2	2	1	2	3	4	5	5	4	3	4.7	10.3																						
27-Oct	3	3	3	3	3	3	3	3	4	4	3	2	1	1	1	2	2	2	2	2	2	2	2	2	2.4	4.3																						
28-Oct	3	3	3	2	2	2	4	2	1	2	3	1	1	1	1	2	2	2	6	3	8	5	3	3	2.6	7.5																						
29-Oct	5	8	6	9	4	6	5	4	5	6	9	10	4	7	11	11	13	13	13	11	11	9	7	8	8.0	13.3																						
30-Oct	7	6	4	3	3	3	3	3	4	4	4	2	1	1	2	1	2	4	5	6	9	11	13	11	4.6	13.0																						
31-Oct	12	12	10	11	10	13	19	19	12	7	9	12	11	13	12	10	10	11	13	15	15	15	16	18	12.7	18.8																						
																								4.7	4.7	4.1	4.7	4.3	4.4	4.6	4.7	4.6	4.7	4.0	3.4	2.8	2.6	2.9	3.1	3.7	4.0	4.5	5.0	5.0	5.1	5.0	4.9	Diurnal Average
																								15.5	16.8	11.9	26.3	22.3	19.9	19.5	18.7	17.3	16.5	16.3	11.8	11.4	12.9	12.2	10.9	13.3	12.9	16.4	15.4	14.9	15.2	15.6	17.6	Diurnal Maximum

C - Calibration      NS - Not in service  
 Alberta Ambient Air Quality Guidelines (AAAQG): 1-hr 80 µg/m<sup>3</sup>      Alberta Ambient Air Quality Objectives (AAAQO): 24-hr 29 µg/m<sup>3</sup>

# Hourly Averages

PM2.5 (PM<sub>2.5</sub>) -  $\mu\text{g}/\text{m}^3$

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

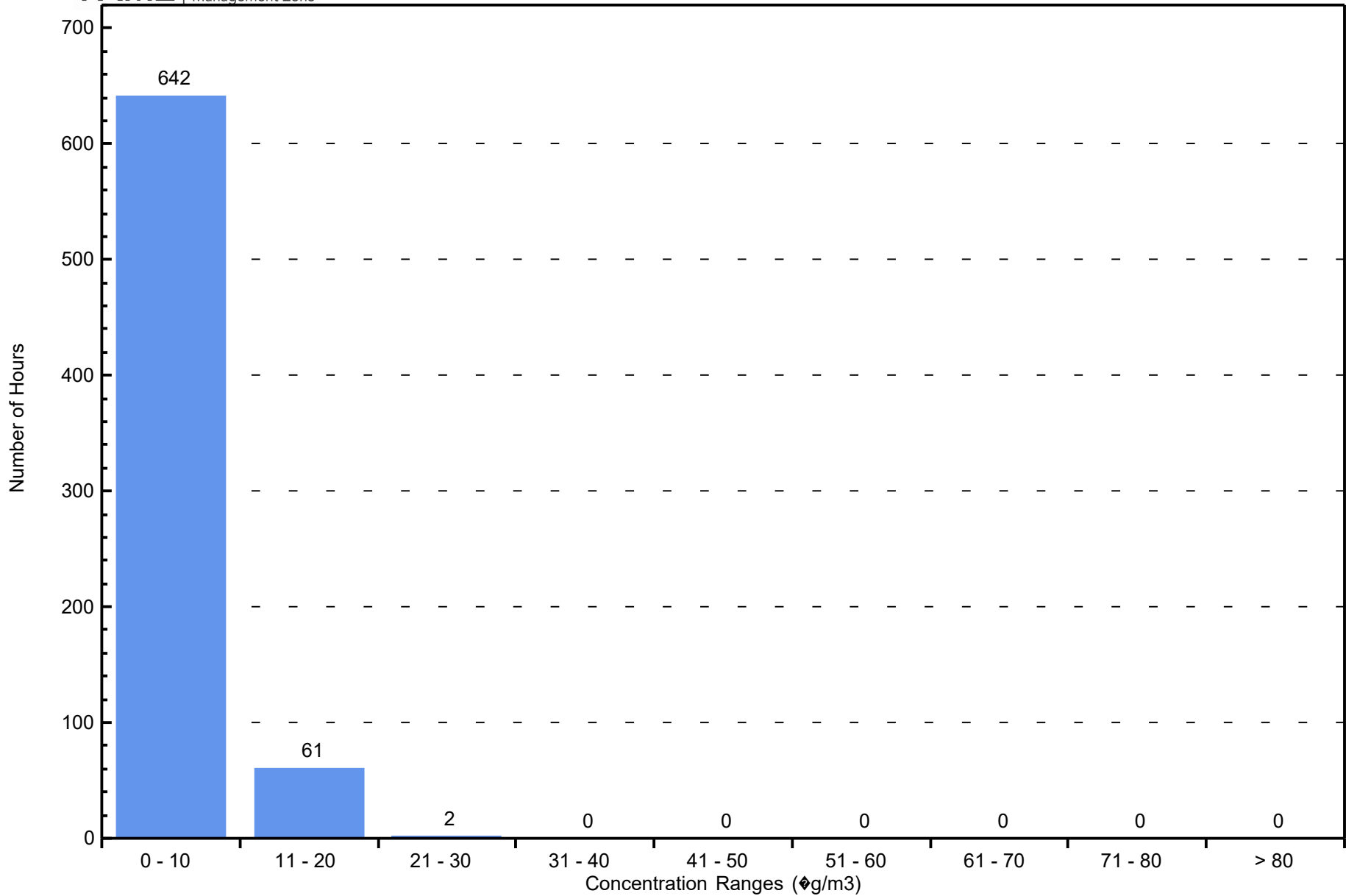




# Histogram of Hourly Averages

PM2.5 (PM<sub>2.5</sub>) - μg/m<sup>3</sup>

Eagle Valley Community Hall - October 2024



# Hourly Averages

# Total Hydrocarbons (THC) - ppm

## Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0		Hours in Service: 707	
Maximum Value: 2.89 ppm on Oct 14 07:00		Maximum Daily Average: 2.26 ppm on Oct 31	
Minimum Value: 2.0 ppm on Oct 6 16:00		Hours of Data: 675	
Maximum Diurnal Average: 2.25 ppm at hour 6		Hours of Missing Data: 32	
Monthly Average: 2.137 ppm		Hours of Calibration: 32	
Minimum Daily Average: 2.01 ppm on Oct 19		Percent Operational Time: 100.0	
Minimum Diurnal Average: 2.04 ppm at hour 16		Percentages: P <sub>1</sub> = 1.97 P <sub>10</sub> = 2.00 Q <sub>1</sub> = 2.05 Median = 2.11 Q <sub>3</sub> = 2.20 P <sub>90</sub> = 2.30 P <sub>99</sub> = 2.57	

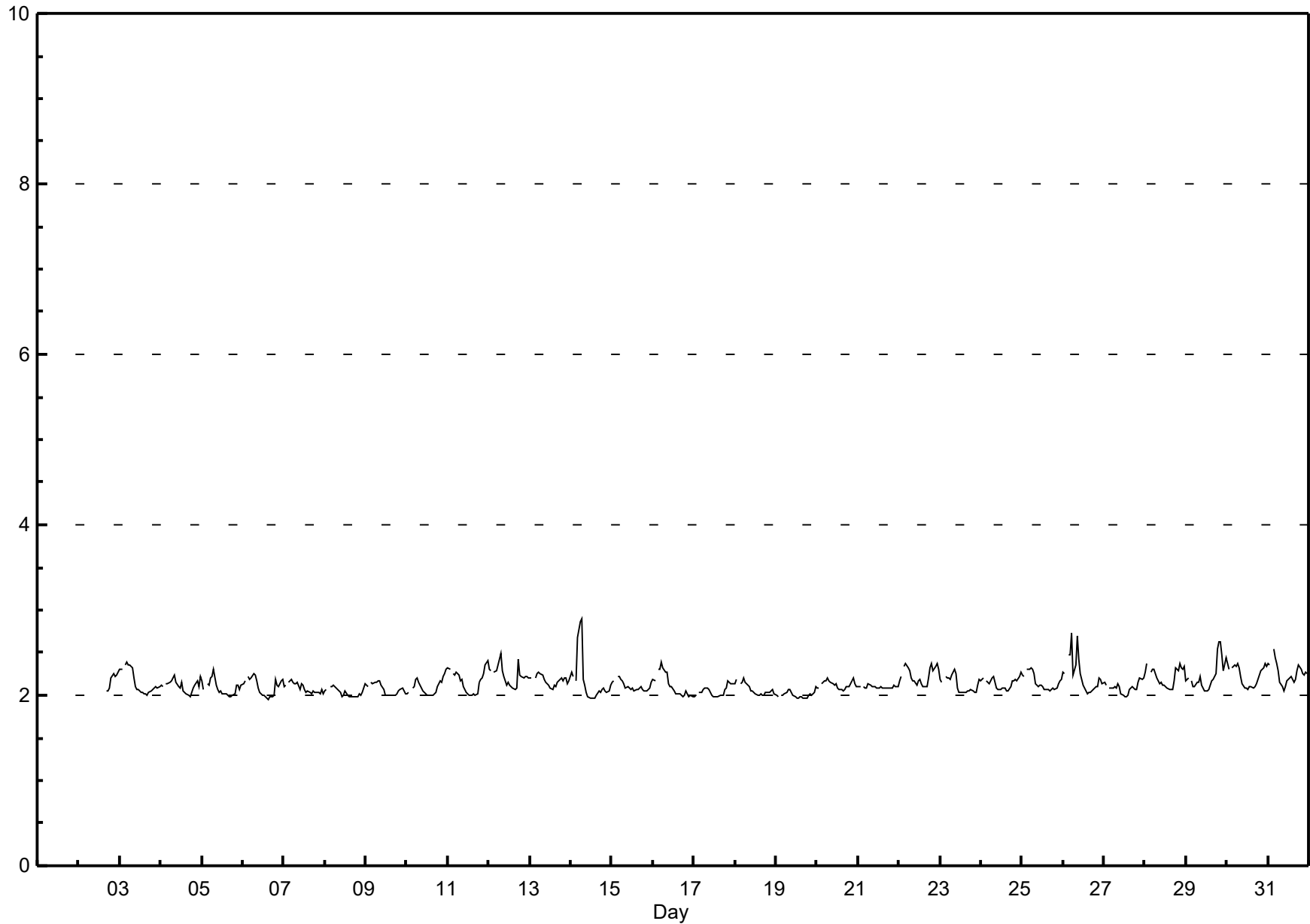
  

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	2.1	2.1	2.1	2.2	2.3	2.2	2.2	2.3	--	2.27
3-Oct	2.3	2.3	A	2.4	2.4	2.4	2.4	2.3	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.15	2.40
4-Oct	2.1	2.1	A	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.1	2.2	2.11	2.24
5-Oct	2.2	2.1	A	2.1	2.1	2.2	2.2	2.3	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.08	2.31
6-Oct	2.1	2.2	A	2.2	2.2	2.2	2.3	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.1	2.1	2.2	2.2	2.10	2.25
7-Oct	2.1	2.1	A	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.08	2.18
8-Oct	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.03	2.14
9-Oct	2.1	2.1	A	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.07	2.17
10-Oct	2.0	2.0	A	2.1	2.1	2.2	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.1	2.2	2.3	2.3	2.10	2.30
11-Oct	2.3	2.3	A	2.3	2.2	2.3	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.3	2.4	2.4	2.17	2.40
12-Oct	2.3	2.3	A	2.3	2.3	2.3	2.4	2.5	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.4	2.2	2.2	2.2	2.2	2.2	2.23	2.48
13-Oct	2.2	2.2	A	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.17	2.26
14-Oct	2.3	2.2	A	2.2	2.7	2.9	2.9	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.1	2.1	2.16	2.89
15-Oct	2.2	2.2	A	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.11	2.22
16-Oct	2.2	2.2	A	2.3	2.3	2.4	2.3	2.3	2.3	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.12	2.39
17-Oct	2.0	2.0	A	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.1	2.1	2.1	2.05	2.16
18-Oct	2.1	2.2	A	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.07	2.20
19-Oct	2.0	2.0	A	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.01	2.10
20-Oct	2.1	2.1	A	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.12	2.20
21-Oct	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.10	2.14
22-Oct	2.2	2.2	A	2.3	2.4	2.3	2.3	2.2	2.2	2.2	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.3	2.4	2.3	2.3	2.4	2.3	2.23	2.38
23-Oct	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.1	2.2	2.12	2.31
24-Oct	2.2	2.2	A	2.2	2.2	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.14	2.27
25-Oct	2.2	2.2	A	2.3	2.3	2.3	2.3	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.15	2.32
26-Oct	2.3	2.2	A	2.5	2.5	2.7	2.2	2.4	2.7	2.4	2.3	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.1	2.24	2.74
27-Oct	2.2	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.09	2.21
28-Oct	2.3	2.4	A	2.3	2.3	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.3	2.4	2.3	2.3	2.3	2.22	2.37
29-Oct	2.2	2.2	A	2.2	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.5	2.6	2.6	2.5	2.3	2.4	2.23	2.63
30-Oct	2.4	2.3	A	2.3	2.4	2.3	2.4	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.3	2.23	2.38
31-Oct	2.4	2.4	A	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.3	2.3	2.2	2.3	2.3	2.26	2.54
	2.18	2.18	--	2.21	2.23	2.25	2.24	2.20	2.18	2.12	2.08	2.07	2.06	2.04	2.04	2.04	2.05	2.08	2.12	2.14	2.15	2.16	2.16	2.18	Diurnal Average	
	2.37	2.37	--	2.54	2.67	2.87	2.89	2.48	2.69	2.42	2.26	2.19	2.19	2.22	2.18	2.17	2.19	2.42	2.54	2.63	2.63	2.48	2.38	2.44	Diurnal Maximum	
C - Calibration			NS - Not in service						A - Automated Daily Zero Span																	

## Hourly Averages

Total Hydrocarbons (THC) - ppm

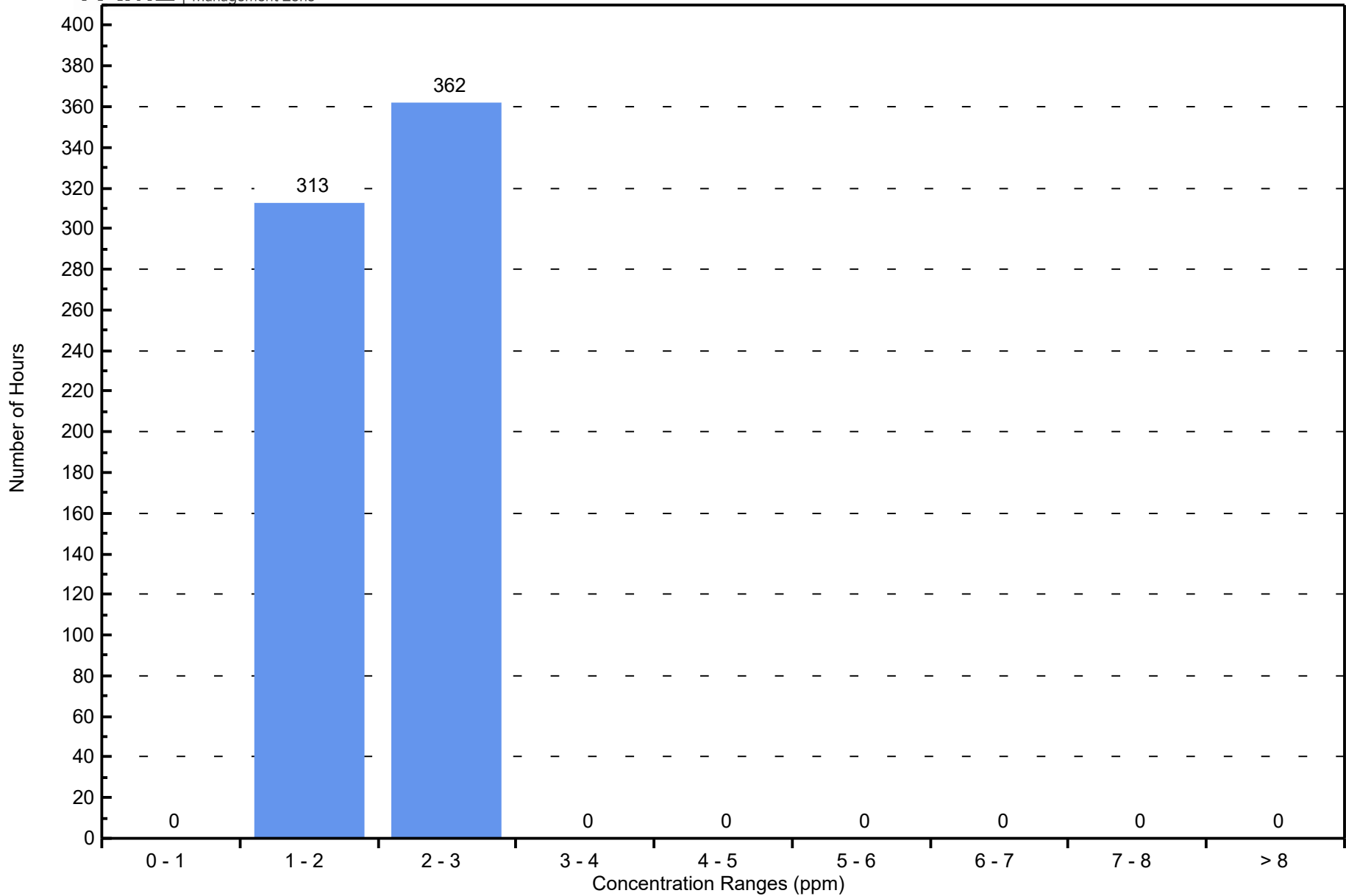
Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024



# Histogram of Hourly Averages

Total Hydrocarbons (THC) - ppm

Eagle Valley Community Hall - October 2024



# Hourly Averages

Methane (CH<sub>4</sub>) - ppm

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 707
Maximum Value: 2.63 ppm on Oct 29 20:00	Maximum Daily Average: 2.25 ppm on Oct 31
Minimum Value: 2.0 ppm on Oct 6 16:00	Hours of Data: 675
Maximum Diurnal Average: 2.21 ppm at hour 6	Hours of Missing Data: 32
Monthly Average: 2.129 ppm	Hours of Calibration: 32
Minimum Daily Average: 2.01 ppm on Oct 19	Percent Operational Time: 100.0
Minimum Diurnal Average: 2.04 ppm at hour 16	
Percentiles: P <sub>1</sub> = 1.97 P <sub>10</sub> = 2.00 Q <sub>1</sub> = 2.05 Median = 2.10 Q <sub>3</sub> = 2.19 P <sub>90</sub> = 2.29 P <sub>99</sub> = 2.45	

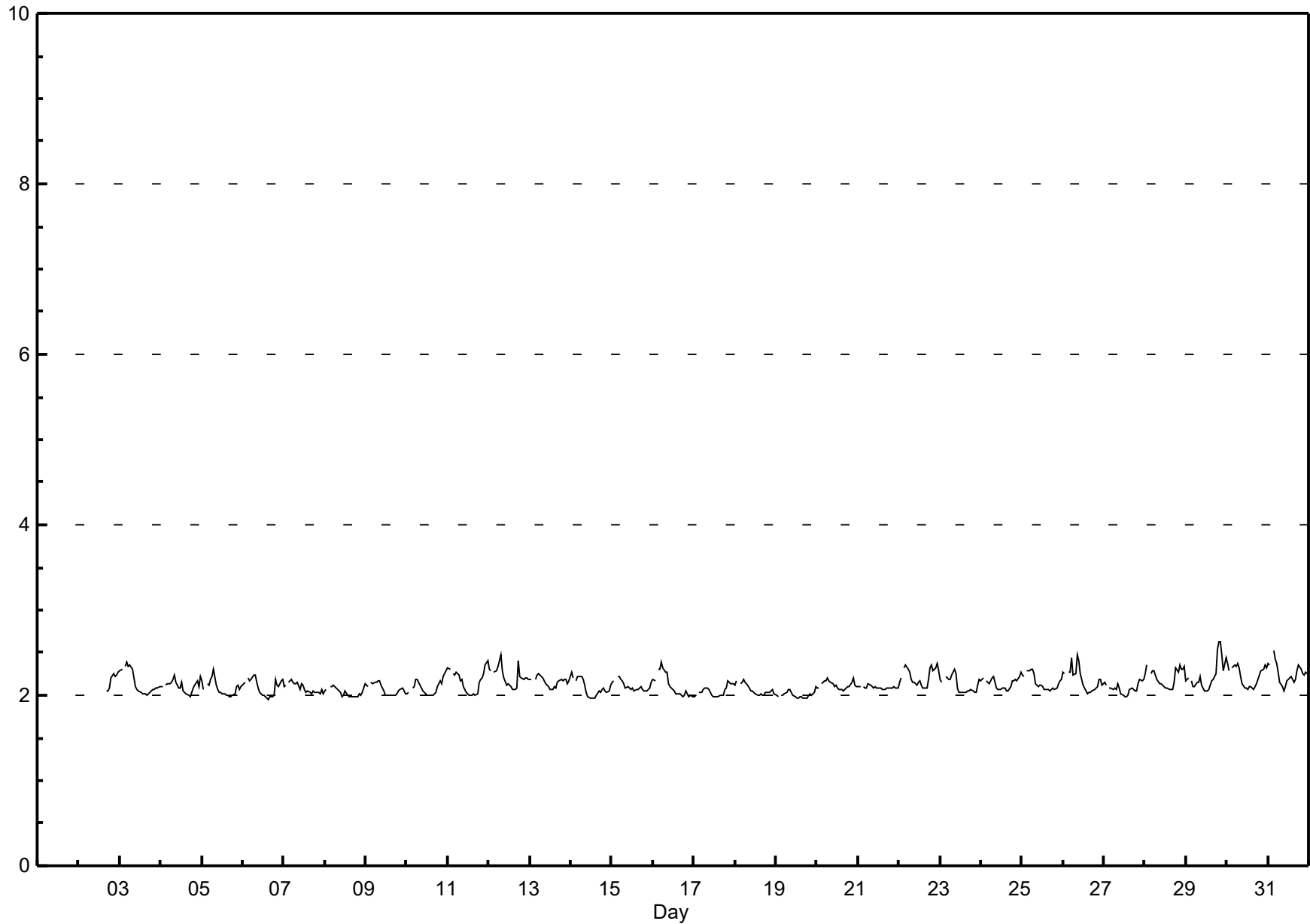
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																						
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.3	--	2.26																						
3-Oct	2.3	2.3	A	2.3	2.4	2.3	2.3	2.3	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.14	2.39																						
4-Oct	2.1	2.1	A	2.1	2.1	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.1	2.2	2.11	2.23																						
5-Oct	2.2	2.1	A	2.1	2.1	2.2	2.2	2.3	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.08	2.30																						
6-Oct	2.1	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.1	2.1	2.2	2.2	2.10	2.24																						
7-Oct	2.1	2.1	A	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.08	2.18																						
8-Oct	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.03	2.14																						
9-Oct	2.1	2.1	A	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.07	2.17																						
10-Oct	2.0	2.0	A	2.1	2.1	2.2	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.1	2.2	2.3	2.3	2.09	2.29																						
11-Oct	2.3	2.3	A	2.3	2.2	2.3	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.3	2.3	2.4	2.16	2.40																						
12-Oct	2.3	2.3	A	2.3	2.3	2.3	2.4	2.5	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.4	2.2	2.2	2.2	2.2	2.2	2.22	2.47																						
13-Oct	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.2	2.16	2.25																						
14-Oct	2.3	2.2	A	2.2	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.1	2.1	2.09	2.27																						
15-Oct	2.2	2.2	A	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.11	2.22																						
16-Oct	2.2	2.2	A	2.3	2.3	2.4	2.3	2.3	2.3	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.12	2.39																						
17-Oct	2.0	2.0	A	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.1	2.1	2.1	2.05	2.16																						
18-Oct	2.1	2.2	A	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.07	2.19																						
19-Oct	2.0	2.0	A	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.01	2.10																						
20-Oct	2.1	2.1	A	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.12	2.20																						
21-Oct	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.09	2.14																						
22-Oct	2.2	2.2	A	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.4	2.3	2.4	2.3	2.22	2.37																						
23-Oct	2.2	2.1	A	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.1	2.2	2.12	2.31																						
24-Oct	2.2	2.2	A	2.2	2.2	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.14	2.26																						
25-Oct	2.2	2.2	A	2.3	2.3	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.15	2.31																						
26-Oct	2.3	2.2	A	2.3	2.3	2.4	2.2	2.3	2.5	2.4	2.3	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.1	2.1	2.19	2.48																						
27-Oct	2.2	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.08	2.19																						
28-Oct	2.3	2.3	A	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.3	2.4	2.3	2.3	2.3	2.21	2.36																						
29-Oct	2.2	2.2	A	2.2	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.5	2.6	2.6	2.5	2.3	2.4	2.23	2.63																						
30-Oct	2.4	2.3	A	2.3	2.4	2.3	2.4	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.3	2.23	2.38																						
31-Oct	2.4	2.3	A	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.3	2.3	2.2	2.3	2.3	2.25	2.53																						
																								2.17	2.17	--	2.20	2.20	2.21	2.21	2.19	2.17	2.11	2.07	2.07	2.06	2.04	2.04	2.04	2.05	2.08	2.11	2.13	2.15	2.15	2.16	2.18	Diurnal Average
																								2.37	2.35	--	2.53	2.42	2.43	2.41	2.47	2.48	2.41	2.26	2.18	2.19	2.22	2.18	2.17	2.19	2.41	2.54	2.63	2.63	2.48	2.37	2.44	Diurnal Maximum

C - Calibration      NS - Not in service      A - Automated Daily Zero Span

## Hourly Averages

Methane (CH<sub>4</sub>) - ppm

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

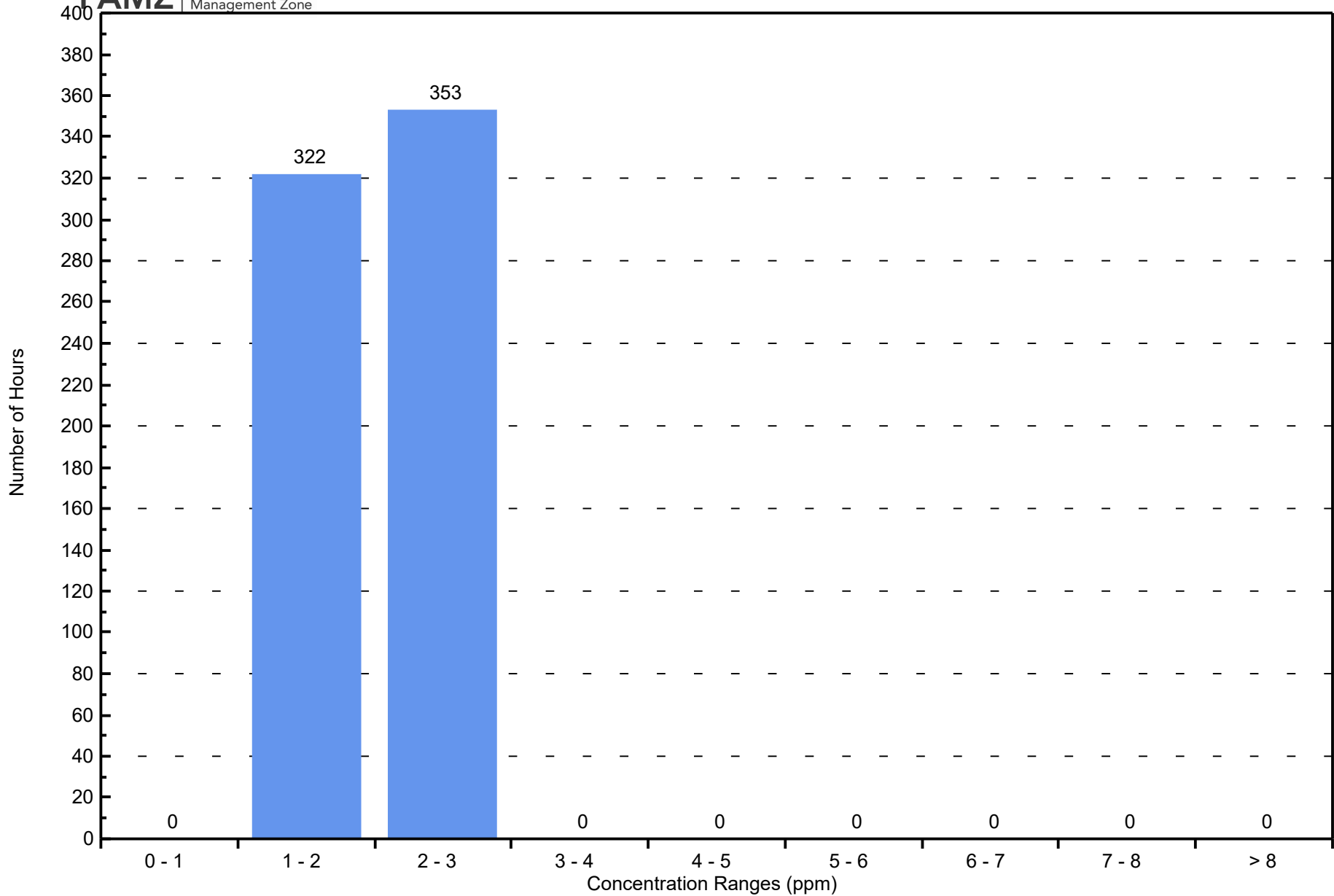




# Histogram of Hourly Averages

Methane (CH<sub>4</sub>) - ppm

Eagle Valley Community Hall - October 2024



# Hourly Averages

# Non Methane Hydrocarbon (NMHC) - ppm

## Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

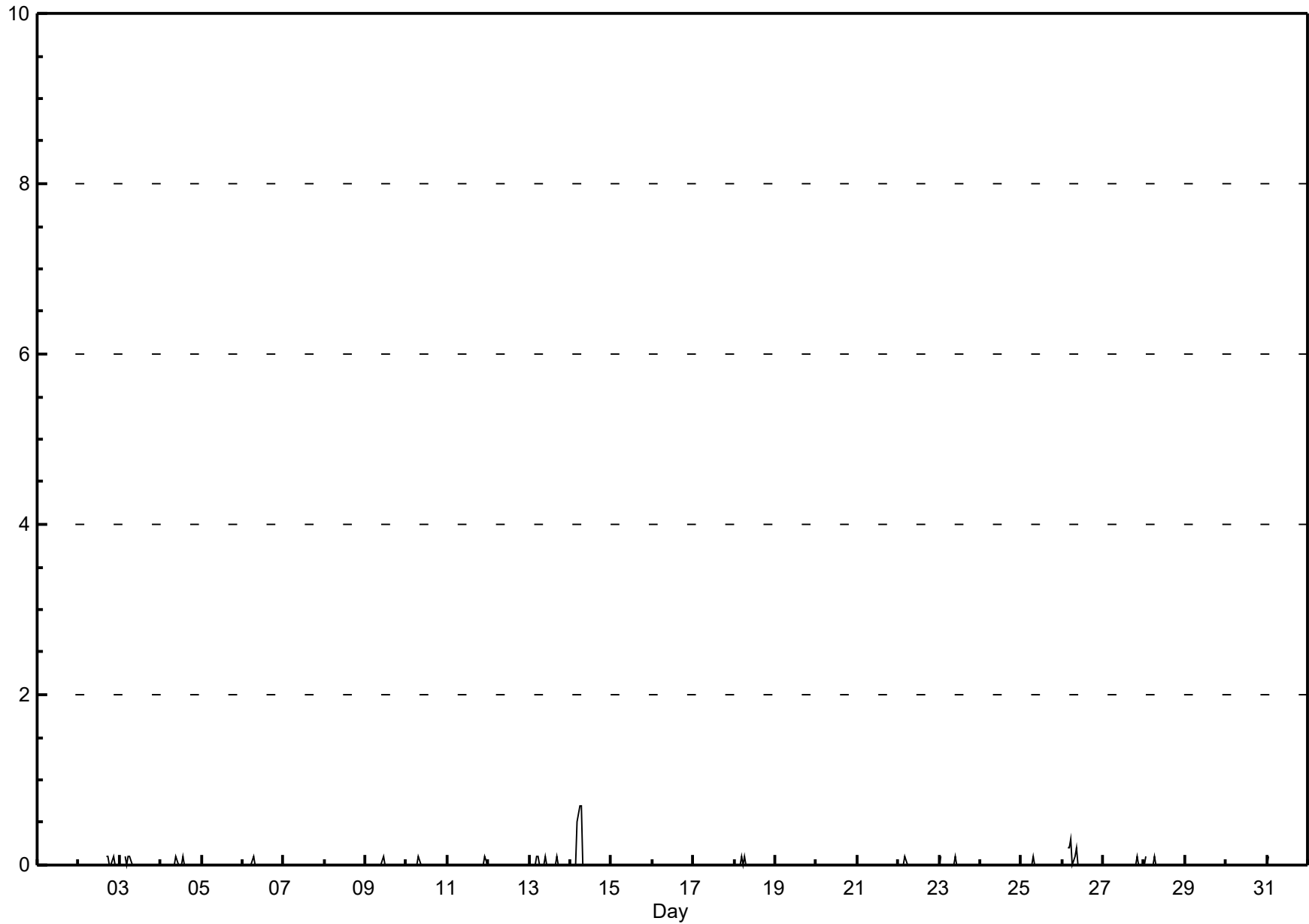
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 707
Maximum Value: 0.70 ppm on Oct 14 06:00	Maximum Daily Average: 0.08 ppm on Oct 14
Minimum Value: 0.0 ppm on Oct 2 19:00	Hours of Data: 675
Maximum Diurnal Average: 0.04 ppm at hour 6	Hours of Missing Data: 32
Monthly Average: 0.008 ppm	Hours of Calibration: 32
Percentiles: P <sub>1</sub> = 0.00 P <sub>10</sub> = 0.00 Q <sub>1</sub> = 0.00 Median = 0.00 Q <sub>3</sub> = 0.00 P <sub>90</sub> = 0.00 P <sub>99</sub> = 0.13	Percent Operational Time: 100.0

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																							
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	--	0.10																							
3-Oct	0.0	0.0	A	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10																							
4-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10																							
5-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
6-Oct	0.0	0.0	A	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																							
7-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
8-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
9-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																							
10-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																							
11-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.00	0.10																							
12-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
13-Oct	0.0	0.0	A	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.10																							
14-Oct	0.0	0.0	A	0.0	0.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.70																							
15-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
16-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
17-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
18-Oct	0.0	0.0	A	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10																							
19-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
20-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
21-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
22-Oct	0.0	0.0	A	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																							
23-Oct	0.0	0.1	A	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10																							
24-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
25-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																							
26-Oct	0.0	0.0	A	0.2	0.2	0.3	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.30																							
27-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.00	0.10																								
28-Oct	0.0	0.1	A	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10																							
29-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
30-Oct	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
31-Oct	0.0	0.1	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																							
																								0.00	0.01	--	0.01	0.03	0.04	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	Diurnal Average		
																								0.00	0.10	--	0.20	0.50	0.70	0.70	0.10	0.20	0.10	0.10	0.00	0.00	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.00	0.10	0.00	Diurnal Maximum	

C - Calibration      NS - Not in service      A - Automated Daily Zero Span

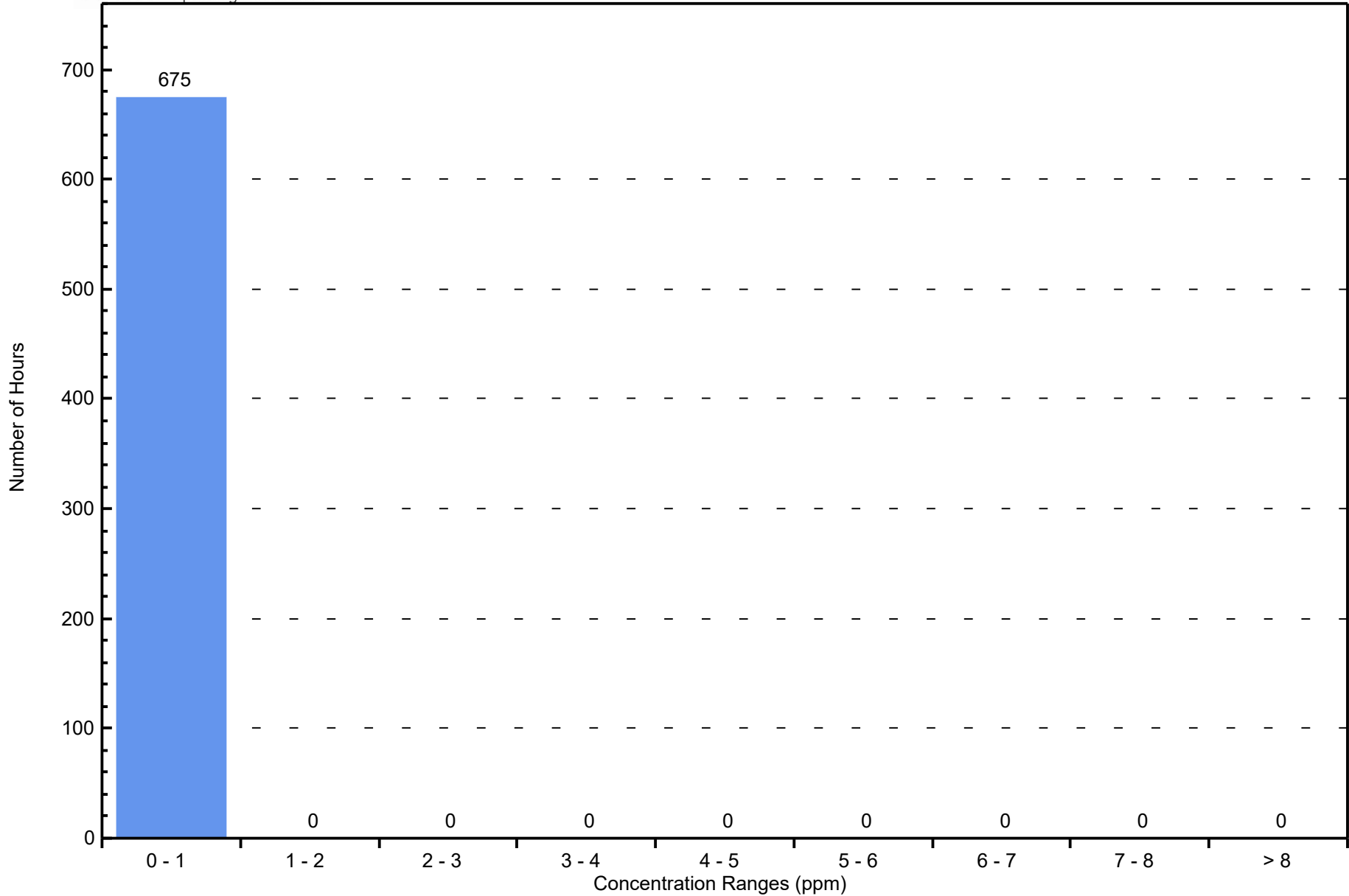
# Hourly Averages      Non Methane Hydrocarbon (NMHC) - ppm

## Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024





# Non Methane Hydrocarbon (NMHC) - ppm Histogram of Hourly Averages Eagle Valley Community Hall - October 2024



# Hourly Averages

Wind Speed (km/h)

Wind Direction (deg)

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

Maximum Speed: 24 km/h on Oct 4 15:00	Maximum Daily Speed Average: 10 km/h on Oct 19	Hours in Service: 708
Minimum Speed Value: 0 km/h on Oct 26 19:00	Minimum Daily Speed Average: 0 km/h on Oct 11	Hours of Data: 685
Maximum Diurnal Speed Average: 3 km/h at hour 4	Minimum Diurnal Speed Average: 0 km/h at hour 17	Hours of Missing Data: 23
Monthly Average Velocity: 1.8 km/h 216.8 deg	Percentiles: P <sub>1</sub> = 0.4 P <sub>10</sub> = 1.2 Q <sub>1</sub> = 2.3 Median = 3.6 Q <sub>3</sub> = 5.4 P <sub>90</sub> = 8.5 P <sub>99</sub> = 17.2	Percent Operational Time: 97.2

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	5ENE	5NE	5NE	N	2S	2S	3SSW	1SW	2SSW	---	5NE
3-Oct	2S	2SSE	1ENE	1S	2S	1S	2S	2S	4SSW	7SW	5SSW	3S	3SSE	3SSE	4SE	2SE	2SE	1ESE	3S	4SSW	4SSW	5SSW	5SSW	3S	3S	7SW
4-Oct	4S	3SSW	5SSW	4SSW	3S	4SSW	3S	3S	3S	4S	4SSW	3S	8SSW	23W	24W	12WSW	11WNW	10NW	13N	6NNW	3WSW	6WSW	6WSW	3WNW	5WSW	24W
5-Oct	4SW	8W	7W	1SSW	2SW	3S	1SE	3SSE	2WNW	5NNW	9N	5NNE	3NE	3E	2SSE	2SSE	2SE	2S	4SSW	4SSW	2SSE	4S	4S	3S	1SW	9N
6-Oct	2S	1S	2SSW	3SSW	3S	0S	1SSW	0W	1ENE	1S	2S	3S	2SSE	2ESE	3S	2SE	1ESE	3NE	2NNE	2WNW	2SSW	1S	1ESE	2S	1S	3S
7-Oct	2SSW	4S	3S	2SSW	3SSW	2S	4S	3SSW	1SSE	2S	2S	3SSW	4SW	4SW	13W	11W	10W	11W	6SW	7SSW	11WSW	9WSW	4W	9WSW	5WSW	13W
8-Oct	5SSW	5S	4S	3SSW	6SSW	6S	5S	6S	5S	3S	7SSW	4S	7S	6S	12W	15WSW	15WSW	10WSW	11WSW	7WNW	6NNE	4N	1SW	3S	5SW	15WSW
9-Oct	3S	2SSW	3S	3SSW	2S	2S	1S	1NW	N	0WSW	2E	4SE	4SSE	4SSE	4S	2SSE	1SE	1SSE	2S	3S	4S	5SSW	11NW	8NNW	1SSW	11NW
10-Oct	5NW	2WNW	2S	4S	2S	2SSE	2SSW	4S	4S	1ESE	1W	3NE	3NNE	3NE	4NE	3ENE	8ENE	4ENE	1NNW	3WNW	1SW	3S	4S	3S	1ESE	8ENE
11-Oct	2S	3S	3S	5S	2SSW	2S	3SSW	3SSW	1SSE	1NNE	2NW	3NNW	5NNW	5N	4NNE	4NNE	6NNE	3N	2S	5S	4S	2SSW	1S	2S	0SW	6NNE
12-Oct	3SSW	4S	5S	3S	5S	4S	2S	4S	5S	2SW	3SSE	3SSE	3SE	3SSE	3SE	3SSE	3SE	2SE	2SSE	6S	6S	7S	7S	6S	4S	7S
13-Oct	8S	7S	7S	7S	6S	6S	5SSW	5S	4S	3S	4S	5S	4S	3SE	3SE	1ENE	3N	2WNW	0SSE	1SE	2SSE	1SSE	1S	1SSW	3S	8S
14-Oct	1S	3S	3SSW	3S	7S	3SSW	4S	6S	5S	2S	4SSW	6SW	4SSW	11WSW	2SSW	3S	3S	7WSW	19W	14W	11WSW	8SW	6WSW	2WSW	5SW	19W
15-Oct	4S	2S	1NW	3S	1S	1NNW	4WNW	10WNW	1WNW	5W	2NE	3NE	3ENE	2ESE	2ESE	4ENE	5ENE	3NNE	4NNE	5N	4N	3N	1SSW	N	1N	10WNW
16-Oct	2S	2S	N	2S	N	N	1SSW	1SSW	0SW	1NNW	2ENE	2SSW	3NE	4ENE	4E	4SSW	4WNW	5SSW	10W	7NNW	6NW	8W	13N	8N	2NW	13N
17-Oct	6NW	4WSW	4SSW	4SSW	4S	5SSW	2S	3SSW	2S	3SSW	9W	12WNW	6NW	3N	4NE	4NNE	5NNE	5N	1W	2S	1SSE	2S	1S	2S	1W	12WNW
18-Oct	2S	1S	4S	4S	5S	5SSW	5SSW	4SSW	4SSW	4S	3S	3SSE	7S	9S	11S	12S	10S	5SSE	5S	5S	5SSW	5S	6SSW	11SW	5S	12S
19-Oct	11SW	8SW	17SW	16SW	16SW	13SW	4SSW	3SSW	6S	6SSW	7SSW	7SSW	7S	9SSW	14SW	10SW	12SW	11SW	7SW	8SW	14SW	17SW	13SW	9NW	10SW	17SW
20-Oct	6N	5NNW	4W	4S	6S	4SSW	4S	5S	2SSW	1ESE	3SE	5SE	7SSE	7SE	5SE	5SSE	4SE	4SSE	5S	4SW	2SSW	2NNE	7N	14NNW	2S	14NNW
21-Oct	13NNW	19NNW	15NNW	18NNW	12NW	12NW	11NNW	8NNW	8NNW	10NNW	10NNW	9NNW	9NNW	8N	7NNW	6N	5N	4NNW	4NNW	3NNW	2NNW	1ENE	1E	N	8NNW	19NNW
22-Oct	2SSW	1SSW	2S	2S	1S	N	1S	3SW	4SSW	3S	3S	3SSE	4SSE	4SSE	4SSE	4SSE	3S	1WSW	3S	4S	2SSW	N	2S	5S	3S	5S
23-Oct	2S	3S	3SSE	3S	4S	4SSW	3S	0E	N	1SE	1E	4SE	5SSE	5SSE	5SSE	4SSE	3SE	8NW	6NW	6NW	10WNW	5NNW	1W	2S	1SSW	10WNW
24-Oct	5S	5S	6S	4S	3SSW	2SSW	3S	4S	3S	3SSW	8WSW	7W	6WNW	7NNE	7ENE	5ENE	2ENE	0SW	4S	3S	3S	3S	3SSW	3SSE	2SSW	8WSW
25-Oct	3S	4S	2SSW	4S	3SSW	2S	3SSW	5S	7S	4S	1ENE	3E	4SE	6SSE	7SSE	4SE	4SE	3SE	3SSE	5SSE	4SSE	4SSE	5SSE	5S	4SSE	7S
26-Oct	4S	4SSW	5SSW	5SSW	6S	3SSW	4S	1ENE	1N	4NE	3NE	3NNE	2NE	4SSW	6S	6WSW	4SW	3S	0WNW	5S	3SSW	3SSW	6S	7S	3SSW	7S
27-Oct	4S	5SSW	6S	7S	8S	7S	5SSW	5SW	3SSW	1SE	5S	8WSW	7SW	15WSW	20WSW	11NW	6N	6NNW	5NW	4WNW	2S	5SSW	5S	5S	4SW	20WSW
28-Oct	4SSW	3SSW	4S	3SSW	1SSE	1SW	1E	4WNW	7NW	4NNW	3NW	1WNW	2NE	2SE	3ESE	5E	9E	4NE	2W	3WNW	3WNW	7N	N	N	0N	9E
29-Oct	N	N	N	N	8N	N	N	N	2S	N	1S	1SSE	2SSE	3SSE	4S	4S	2SSW	1NW	1WSW	2SSW	4S	4SW	3W	2S	---	8N
30-Oct	4SSW	4SSW	4SSW	4SSW	4SSW	3SSW	4S	3SSW	4S	4S	1S	1NE	3NNE	4NE	7NE	6E	4ENE	1N	2WNW	1SSW	1W	2S	0SSW	2S	1SSE	7NE
31-Oct	2S	2SSW	2S	1SE	1SSE	1ESE	1SSW	1WNW	3NE	3N	7N	9N	8N	9N	10N	9NNE	5N	4NNW	3NW	3NW	3NNW	1N	2WNW	1NNE	3N	10N

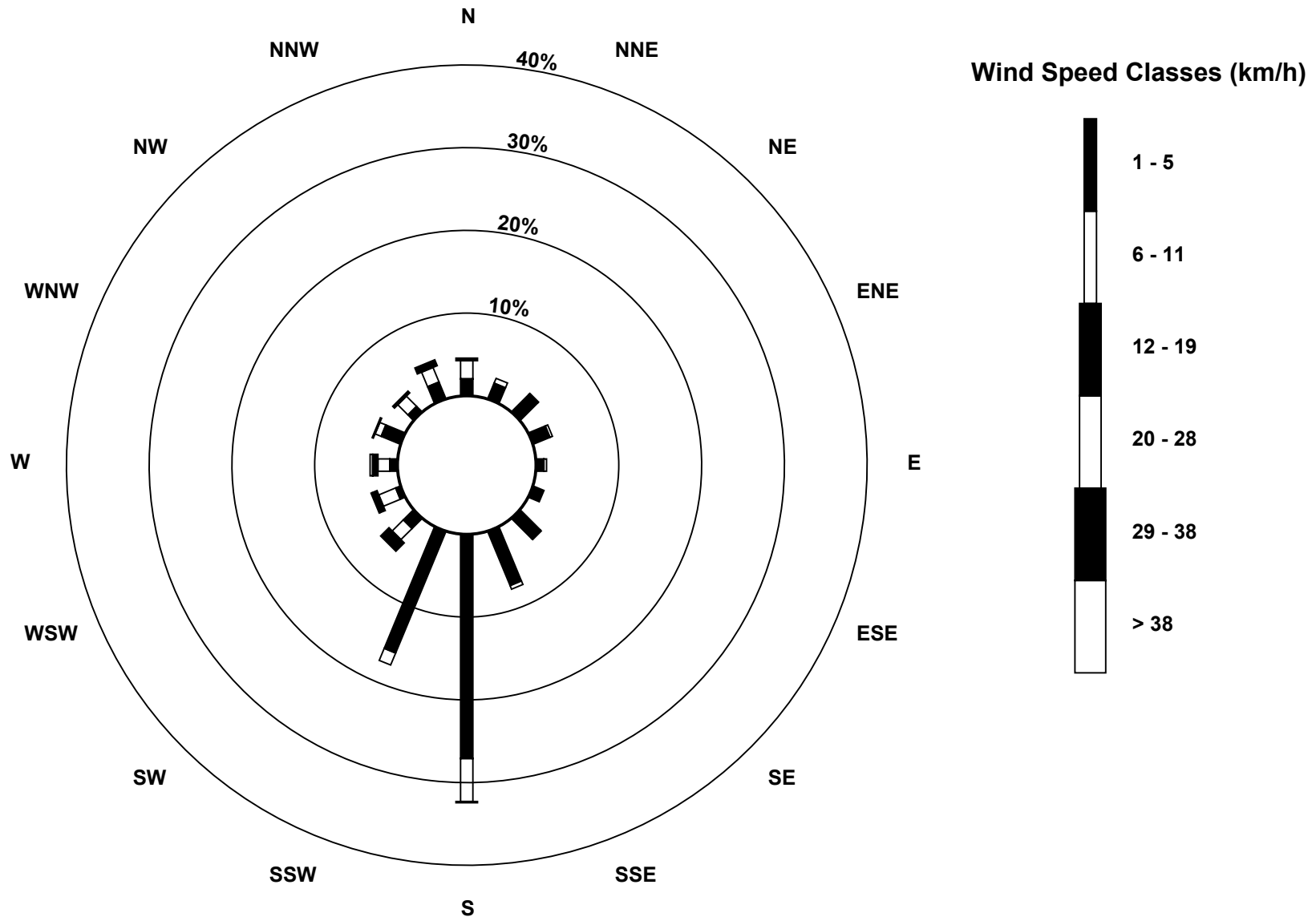
2SSW	2SW	3SSW	3SSW	3SSW	3SSW	2SSW	2SSW	2SSW	1SW	1SW	1SW	1S	1SSW	2SW	1SSW	0SW	1W	2W	2WSW	2SW	3SW	2SW	2SW	Diurnal Average
13NNW	19NNW	17SW	18NNW	16SW	13SW	11NNW	10WNW	8NNW	10NNW	10NNW	12WNW	9NNW	23W	24W	15WSW	15WSW	11W	19W	14W	14SW	17SW	13N	14NNW	Diurnal Maximum

C - Calibration      N - Not Valid      NS - Not in service  
 All monthly, daily, and diurnal averages have been calculated using vector methods

# Wind Rose

## Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

Wind Speed (WS) (km/h)



# Hourly Standard Deviations

Wind Direction (WD) - deg

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

Maximum Value: 99.1 deg on Oct 6 06:00																								Hours in Service:	708
Minimum Value: 4.4 deg on Oct 13 01:00																								Hours of Data:	688
Percentiles: P <sub>1</sub> = 5.0 P <sub>10</sub> = 8.4 Q <sub>1</sub> = 12.1 Median = 23.6 Q <sub>3</sub> = 48.7 P <sub>90</sub> = 67.6 P <sub>99</sub> = 89.8																								Hours of Missing Data:	20
																								Hours of Calibration:	0
																								Percent Operational Time:	97.2
Day	Hourly Period Ending At (MST)																								Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--
2-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	88	67	63	18	23	10	N	65	47	22	94	55	93.7
3-Oct	28	66	46	88	27	68	42	66	22	14	32	35	41	44	34	39	38	63	50	8	5	8	7	9	87.7
4-Oct	10	12	8	13	40	45	13	33	14	17	49	41	25	12	10	8	27	10	23	16	39	16	16	37	48.9
5-Oct	23	13	19	72	45	9	75	26	86	17	16	33	47	54	36	42	39	26	13	16	46	31	9	7	85.9
6-Oct	77	76	78	32	29	99	88	83	70	81	55	30	50	56	42	60	69	19	41	36	52	75	44	30	99.1
7-Oct	36	9	19	60	36	60	22	51	78	33	32	47	55	41	23	14	18	5	30	17	17	8	42	7	77.9
8-Oct	26	11	52	54	10	5	11	7	8	61	34	9	6	20	40	13	11	12	9	41	32	26	68	21	67.5
9-Oct	58	67	18	24	59	13	60	66	N	80	70	32	30	25	22	29	47	48	36	15	12	27	30	11	79.7
10-Oct	33	59	38	6	43	47	42	27	60	82	76	57	66	63	26	40	7	8	29	33	67	13	9	35	81.8
11-Oct	22	20	36	8	64	59	22	17	66	64	38	20	22	20	31	31	12	12	57	6	13	69	50	38	68.8
12-Oct	32	6	11	14	9	11	53	5	7	41	28	25	34	22	22	19	23	22	13	6	8	6	6	7	53.3
13-Oct	4	7	6	5	6	14	12	7	45	26	12	18	15	22	25	75	30	57	80	74	25	64	74	57	80.0
14-Oct	89	47	22	16	10	21	10	7	8	63	21	23	26	16	60	14	16	23	5	9	7	6	49	82	89.2
15-Oct	22	68	80	45	94	86	26	6	95	54	69	40	51	37	49	20	13	10	13	12	14	13	82	N	95.4
16-Oct	39	61	N	72	N	N	67	75	90	43	61	67	50	25	12	65	77	23	22	28	36	40	16	15	89.7
17-Oct	15	18	19	31	11	12	69	16	65	43	15	22	32	65	39	26	13	24	71	63	58	62	84	40	84.1
18-Oct	22	87	20	16	12	9	13	10	12	9	29	22	15	11	8	6	7	11	11	7	5	7	12	5	87.4
19-Oct	9	17	9	10	10	5	55	19	7	7	23	21	17	17	11	13	10	9	12	15	8	5	12	43	55.0
20-Oct	21	13	40	11	11	11	11	7	31	59	30	12	14	10	12	11	11	15	21	31	51	77	18	7	76.9
21-Oct	7	8	9	7	8	8	6	10	12	8	8	9	9	12	12	10	14	10	12	13	25	38	59	N	58.7
22-Oct	49	86	31	26	62	N	90	30	17	19	19	27	20	15	12	10	11	43	31	9	48	N	64	9	90.5
23-Oct	61	43	37	18	12	52	43	86	N	84	47	39	18	14	12	10	48	33	7	11	14	12	61	35	85.7
24-Oct	10	12	6	38	14	60	52	35	35	63	15	31	42	33	17	22	63	94	10	38	55	19	31	25	94.2
25-Oct	18	19	49	28	36	42	21	12	5	15	55	40	22	18	12	11	9	11	10	11	11	10	10	8	55.4
26-Oct	9	11	9	9	11	36	20	83	82	25	45	21	59	66	13	40	25	33	95	22	17	30	17	6	94.8
27-Oct	37	17	10	7	6	6	14	19	72	76	23	24	22	20	15	36	19	12	37	52	61	19	12	16	75.5
28-Oct	51	58	41	56	82	79	74	71	11	21	15	74	41	67	33	15	10	67	65	33	42	20	N	N	82.4
29-Oct	N	N	N	N	6	N	N	N	44	N	76	34	14	10	10	17	55	59	69	51	20	27	53	57	75.8
30-Oct	17	14	10	13	11	58	16	32	20	11	86	64	21	20	12	9	54	56	26	77	60	71	76	60	86.1
31-Oct	72	51	35	66	75	49	65	71	29	17	10	8	12	9	9	10	16	19	24	27	32	34	35	52	74.7
	89.2	87.4	79.9	87.7	93.6	99.1	90.5	85.7	95.4	84.2	86.1	74.2	88.2	67.4	63.3	74.9	77.1	94.2	94.8	76.6	67.4	76.9	93.7	82.2	
N - Not Valid																								NS - Not in service	

# Hourly Averages

External Temperature (ET) - °C

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

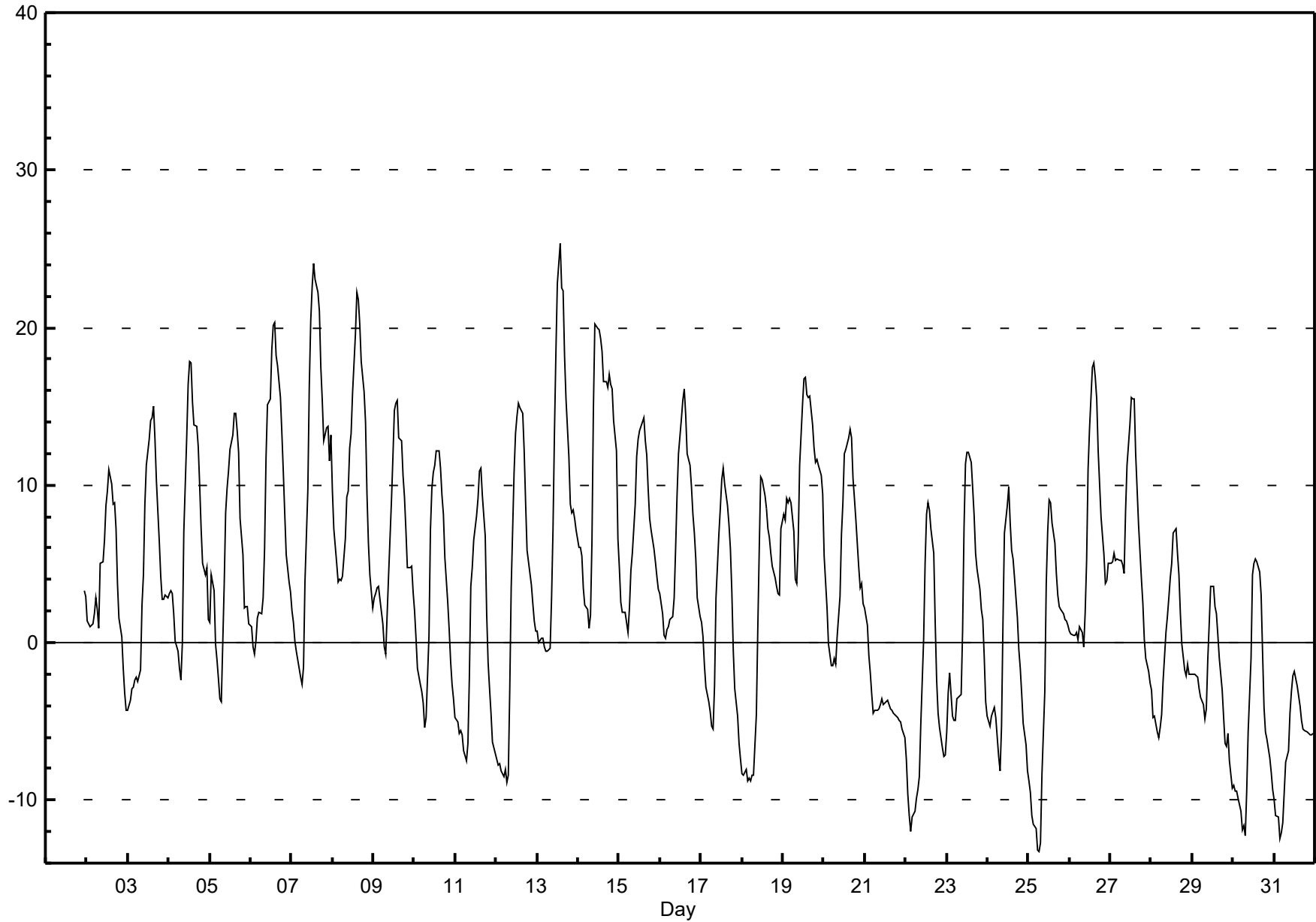
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0		Hours in Service: 722																								
Maximum Value: 25.4 °C on Oct 13 14:00		Maximum Daily Average: 11.6 °C on Oct 14																								
Minimum Value: -13 °C on Oct 25 07:00		Hours of Data: 722																								
Maximum Diurnal Average: 12.4 °C at hour 14		Hours of Missing Data: 0																								
Monthly Average: 3.55 °C		Hours of Calibration: 0																								
Minimum Daily Average: -6.6 °C on Oct 31		Percent Operational Time: 100.0																								
Minimum Diurnal Average: -3.0 °C at hour 7																										
Percentiles: P <sub>1</sub> = -11.9 P <sub>10</sub> = -6.3 Q <sub>1</sub> = -2.5 Median = 3.1 Q <sub>3</sub> = 9.1 P <sub>90</sub> = 14.4 P <sub>99</sub> = 22.2																										
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	3	--	3.3
2-Oct	1	1	1	1	2	3	2	1	5	5	7	9	10	11	10	9	9	7	4	2	0	-2	-3	-4	3.7	11.0
3-Oct	-4	-4	-3	-3	-2	-2	-2	-2	2	4	9	11	13	14	14	15	13	10	6	4	3	3	3	4.4	15.0	
4-Oct	3	3	3	2	0	-1	-2	-2	0	7	13	16	18	18	15	14	14	12	10	7	5	4	5	1	7.0	17.9
5-Oct	1	4	3	0	-1	-2	-4	-4	4	8	10	11	12	13	15	15	13	12	8	6	2	2	2	1	5.5	14.6
6-Oct	1	0	-1	0	2	2	2	3	6	12	15	15	19	20	20	18	18	16	13	11	8	6	4	3	8.8	20.3
7-Oct	2	1	0	-1	-2	-2	-3	-2	4	10	16	20	23	24	23	22	21	17	15	13	14	14	12	13	10.7	24.1
8-Oct	10	7	5	4	4	4	4	7	9	10	12	13	16	20	22	22	20	18	16	14	9	6	4	2	10.8	22.2
9-Oct	3	3	3	4	3	1	0	-1	2	4	9	12	15	15	15	13	13	11	9	7	5	5	5	3	6.6	15.4
10-Oct	2	0	-2	-3	-3	-4	-5	-5	0	7	10	11	11	12	12	11	9	8	5	3	1	-1	-3	-4	3.1	12.2
11-Oct	-5	-5	-6	-6	-6	-7	-7	-6	-2	4	5	6	8	9	11	11	9	7	2	-1	-3	-4	-6	-7	0.0	11.0
12-Oct	-7	-8	-8	-8	-8	-8	-9	-8	-3	3	11	13	14	15	15	15	12	9	6	5	4	2	1	1	2.5	15.2
13-Oct	1	0	0	0	0	-1	-1	0	3	7	13	18	23	25	22	22	18	15	12	9	8	8	8	7	9.2	25.4
14-Oct	6	6	5	3	2	2	1	2	6	15	20	20	20	19	18	17	17	16	17	16	16	14	12	7	11.6	20.2
15-Oct	5	3	2	2	1	1	2	5	6	9	12	13	13	14	14	13	12	10	8	7	6	5	4	3	7.0	14.3
16-Oct	3	2	0	0	1	1	1	2	3	6	9	12	14	15	16	14	12	11	10	8	7	5	3	2	6.6	16.2
17-Oct	1	0	-1	-3	-4	-4	-5	-5	-3	3	7	9	10	11	10	9	8	6	3	-1	-3	-5	-6	-7	1.2	11.0
18-Oct	-8	-8	-8	-9	-9	-9	-8	-8	-5	1	6	11	10	9	8	7	7	6	5	4	4	3	3	7	0.8	10.6
19-Oct	8	8	9	9	9	9	7	4	4	6	11	15	17	17	16	16	16	14	12	11	12	11	11	9	10.9	16.9
20-Oct	6	4	2	0	-1	-1	-1	-1	0	3	7	9	12	12	13	14	13	10	9	8	5	3	4	2	5.5	13.6
21-Oct	2	1	-1	-2	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-5	-5	-5	-5	-5	-5	-6	-3.6	2.2
22-Oct	-7	-10	-11	-12	-11	-11	-10	-9	-9	-5	0	5	8	9	8	7	6	1	-2	-4	-5	-7	-7	-7	-3.5	8.9
23-Oct	-6	-3	-2	-5	-5	-5	-4	-3	-3	1	7	11	12	12	11	10	8	6	5	3	2	1	-1	-4	2.1	12.1
24-Oct	-5	-5	-5	-4	-4	-5	-7	-8	-5	1	7	9	10	8	6	5	4	2	0	-2	-3	-5	-7	-8	-0.9	9.8
25-Oct	-9	-10	-11	-12	-12	-13	-13	-13	-8	-3	4	7	9	9	8	6	4	3	2	2	2	2	1	1	-1.8	9.0
26-Oct	1	1	0	0	1	0	1	1	0	2	5	11	14	17	18	17	15	12	8	7	6	4	4	5	6.2	17.8
27-Oct	5	5	6	5	5	5	5	5	4	8	11	14	16	15	15	12	8	6	4	2	0	-1	-2	-3	6.4	15.6
28-Oct	-3	-5	-5	-6	-6	-5	-5	-2	1	2	3	4	5	7	7	6	4	2	0	-2	-2	-1	-2	-2	-0.2	7.3
29-Oct	-2	-2	-2	-2	-3	-3	-4	-5	-4	-1	1	4	4	2	2	0	-1	-3	-5	-6	-7	-6	-7	-9	-2.5	3.6
30-Oct	-9	-9	-9	-10	-11	-12	-12	-12	-9	-6	-1	4	5	5	5	5	3	-1	-4	-6	-6	-7	-8	-9	-4.8	5.4
31-Oct	-10	-11	-11	-12	-12	-11	-10	-8	-7	-4	-3	-2	-2	-3	-3	-4	-5	-5	-6	-6	-6	-6	-6	-6	-6.6	-1.8
																								-0.5	9.7	
																								-1.0	7.8	
																								-1.4	9.1	
																								-2.2	8.9	
																								-2.5	9.2	
																								-2.8	8.9	
																								-3.0	7.1	
																								-2.8	6.6	
																								-0.1	9.3	
																								3.8	14.9	
																								7.8	20.2	
																								10.3	20.4	
																								11.8	22.8	
																								12.4	25.4	
																								12.2	23.1	
																								11.2	22.3	
																								9.8	21.0	
																								7.8	17.9	
																								5.6	17.1	
																								3.9	16.4	
																								2.6	16.1	
																								1.7	14.1	
																								0.8	12.2	
																								0.0	13.2	
																								Diurnal Average		
																								Diurnal Maximum		

NS - Not in service

# Hourly Averages

External Temperature (ET) - °C

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024



# Hourly Averages

Relative Humidity (RH) - %

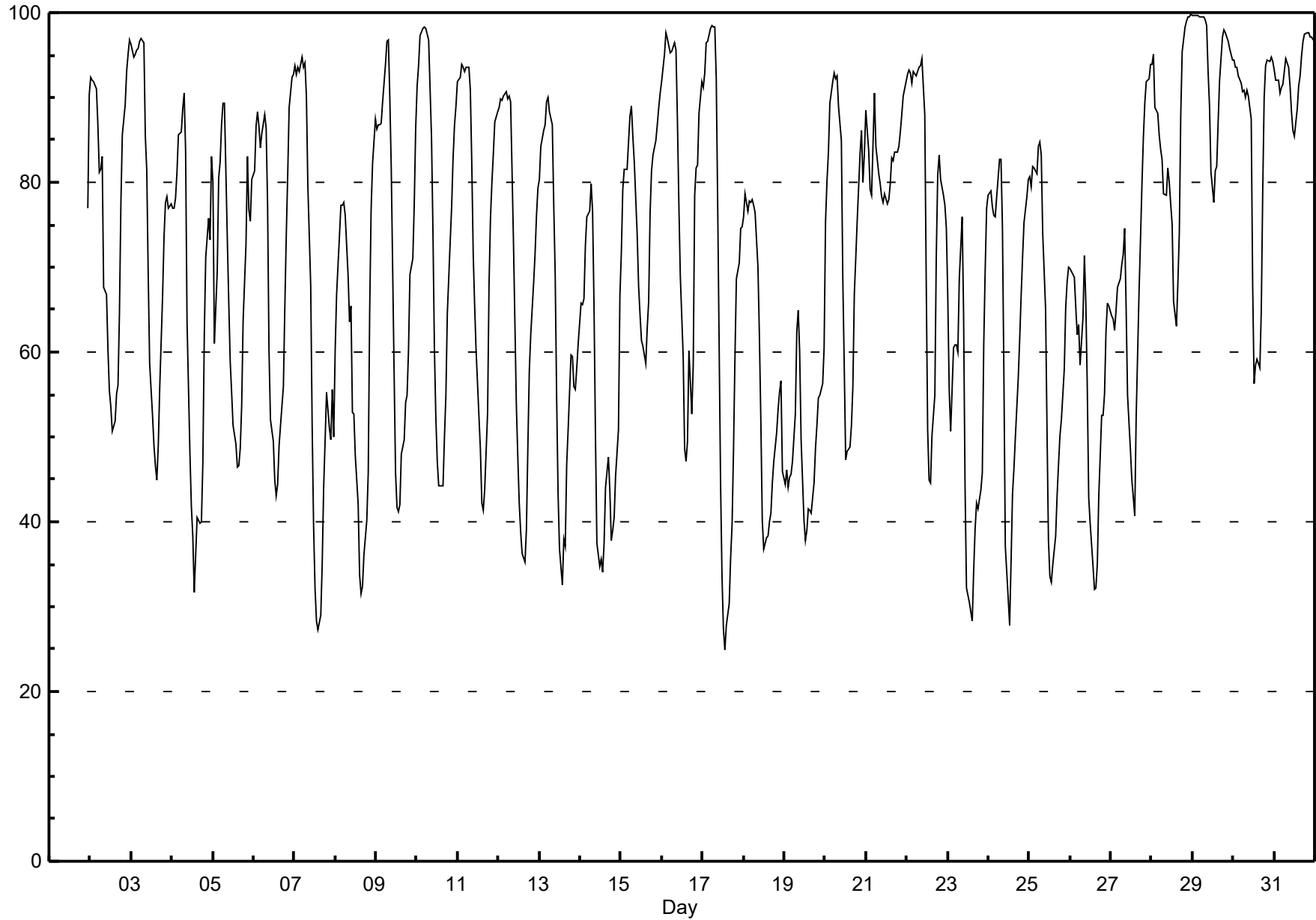
## Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024

Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0 Maximum Value: 99.8 % on Oct 29 00:00      Maximum Daily Average: 94.0 % on Oct 29		Hours in Service: 722 Hours of Data: 722 Hours of Missing Data: 0 Hours of Calibration: 0 Percent Operational Time: 100.0																																															
Minimum Value: 25 % on Oct 17 14:00 Maximum Diurnal Average: 85.5 % at hour 7 Monthly Average: 70.15 %		Minimum Daily Average: 48.9 % on Oct 19 Minimum Diurnal Average: 46.2 % at hour 14 Percentiles: P <sub>1</sub> = 29.2 P <sub>10</sub> = 41.4 Q <sub>1</sub> = 52.5 Median = 74.8 Q <sub>3</sub> = 88.0 P <sub>90</sub> = 93.9 P <sub>99</sub> = 99.5																																															
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Oct	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	77	90	--	90.4																							
2-Oct	92	92	92	91	87	81	81	83	68	67	60	55	54	51	52	55	56	65	77	86	89	93	95	97	75.8	96.8																							
3-Oct	96	95	95	96	96	97	97	96	85	81	69	59	53	49	47	45	49	56	67	74	78	78	77	78	75.4	97.0																							
4-Oct	77	77	78	81	86	86	89	91	84	64	48	42	38	32	36	41	40	40	47	62	71	76	73	83	64.2	90.5																							
5-Oct	80	61	69	80	82	87	89	89	73	66	59	55	51	49	46	47	49	54	64	73	83	77	75	80	68.3	89.3																							
6-Oct	81	87	88	87	84	86	88	86	78	60	52	50	45	43	44	49	51	56	65	74	81	89	92	93	71.2	92.7																							
7-Oct	94	93	94	93	95	94	94	90	80	68	51	39	32	28	27	29	35	44	49	55	51	50	56	50	62.1	94.7																							
8-Oct	60	67	74	77	77	78	76	69	64	65	53	53	48	42	34	32	36	40	46	65	77	82	87	87	59.7	87.5																							
9-Oct	86	87	87	87	89	94	97	97	90	82	57	46	42	41	42	48	50	54	55	60	69	71	77	86	70.6	96.8																							
10-Oct	91	94	97	98	98	98	97	97	85	74	60	52	47	44	44	44	50	55	65	73	77	83	87	89	75.1	98.3																							
11-Oct	92	92	94	94	93	94	94	91	82	72	65	60	52	49	42	41	44	53	68	76	80	83	87	88	74.4	93.9																							
12-Oct	89	90	90	90	91	90	90	89	81	73	54	48	42	39	36	35	39	49	58	62	68	72	76	79	67.9	90.6																							
13-Oct	80	84	86	87	89	90	88	87	77	69	55	43	37	32	38	37	47	51	60	59	56	56	58	61	63.7	89.9																							
14-Oct	66	66	66	73	76	77	80	77	65	50	37	35	36	34	37	44	48	44	38	39	41	45	51	67	53.7	79.8																							
15-Oct	72	79	82	82	85	88	89	85	82	74	68	64	61	61	59	63	66	76	81	83	85	87	89	90	77.1	90.4																							
16-Oct	92	95	98	97	96	95	95	96	96	87	77	69	60	49	47	50	60	53	59	78	82	82	88	92	78.8	97.7																							
17-Oct	91	93	96	97	98	99	98	98	92	77	45	34	27	25	28	30	36	40	48	59	69	70	75	75	66.7	98.6																							
18-Oct	76	79	77	78	78	78	77	77	70	62	52	40	37	38	38	40	41	45	47	51	53	55	57	46	57.9	78.6																							
19-Oct	44	46	44	45	46	47	53	62	65	60	50	40	38	39	41	41	41	45	49	51	55	55	56	60	48.9	64.9																							
20-Oct	75	80	83	89	92	93	92	93	89	85	69	58	47	48	49	51	56	67	71	75	83	86	80	83	74.8	92.9																							
21-Oct	88	84	79	78	84	91	84	81	80	78	78	79	78	78	80	83	83	84	84	84	86	88	90	92	83.0	91.9																							
22-Oct	93	93	93	92	93	93	93	94	94	95	88	69	51	45	45	50	55	71	81	83	80	79	77	75	78.3	94.6																							
23-Oct	66	55	51	60	61	61	60	69	76	64	44	32	31	31	28	34	39	42	42	44	46	61	70	77	51.8	76.9																							
24-Oct	78	79	77	76	76	78	83	83	75	58	37	31	28	35	43	46	50	57	62	67	71	75	78	80	63.5	82.7																							
25-Oct	81	79	82	82	81	84	85	83	74	65	51	38	34	33	35	38	43	47	50	52	58	65	68	70	61.6	84.7																							
26-Oct	70	69	69	65	62	63	58	64	71	66	56	43	40	35	32	32	35	43	53	53	55	62	66	65	55.3	71.4																							
27-Oct	64	64	63	65	68	69	70	72	75	65	55	48	45	43	41	52	67	73	80	85	89	92	92	94	67.9	93.9																							
28-Oct	94	95	89	88	86	84	83	79	78	82	80	77	75	66	63	68	74	88	96	98	99	99	100	100	85.0	99.8																							
29-Oct	100	100	100	100	100	100	99	99	99	93	89	81	78	81	82	87	92	97	98	98	97	97	96	94	94.0	99.7																							
30-Oct	94	94	94	93	92	91	91	90	91	90	87	68	56	59	59	58	65	79	90	94	94	94	95	94	83.8	94.7																							
31-Oct	93	92	92	90	91	91	93	95	94	91	88	86	85	89	91	93	95	97	97	98	98	97	97	97	93.0	97.7																							
																								81.9	82.0	82.6	83.7	84.3	85.1	85.5	85.4	80.4	72.8	61.2	53.2	48.2	46.2	46.3	48.8	52.9	58.6	64.6	69.7	73.6	76.5	78.6	81.1	Diurnal Average	
																								99.6	99.7	99.7	99.6	99.5	99.6	99.5	99.2	98.5	94.6	88.9	86.2	85.4	88.7	91.4	92.6	95.0	97.2	98.0	98.2	99.0	99.5	99.6	99.8	Diurnal Maximum	
NS - Not in service																																																	

# Hourly Averages

Relative Humidity (RH) - %

Eagle Valley Community Hall - Oct 1, 2024 to Nov 1, 2024





# End of Monthly Report



**PAMZ** | Parkland Airshed  
Management Zone

# Parkland Airshed Management Zone

**Eagle Valley Community Hall Site**

**November 2024**

**Continuous Ambient Air Quality Monitoring Program  
Monthly Report**

**Operations and Maintenance:**



AIR QUALITY MONITORING

**Data Validation and Report:**

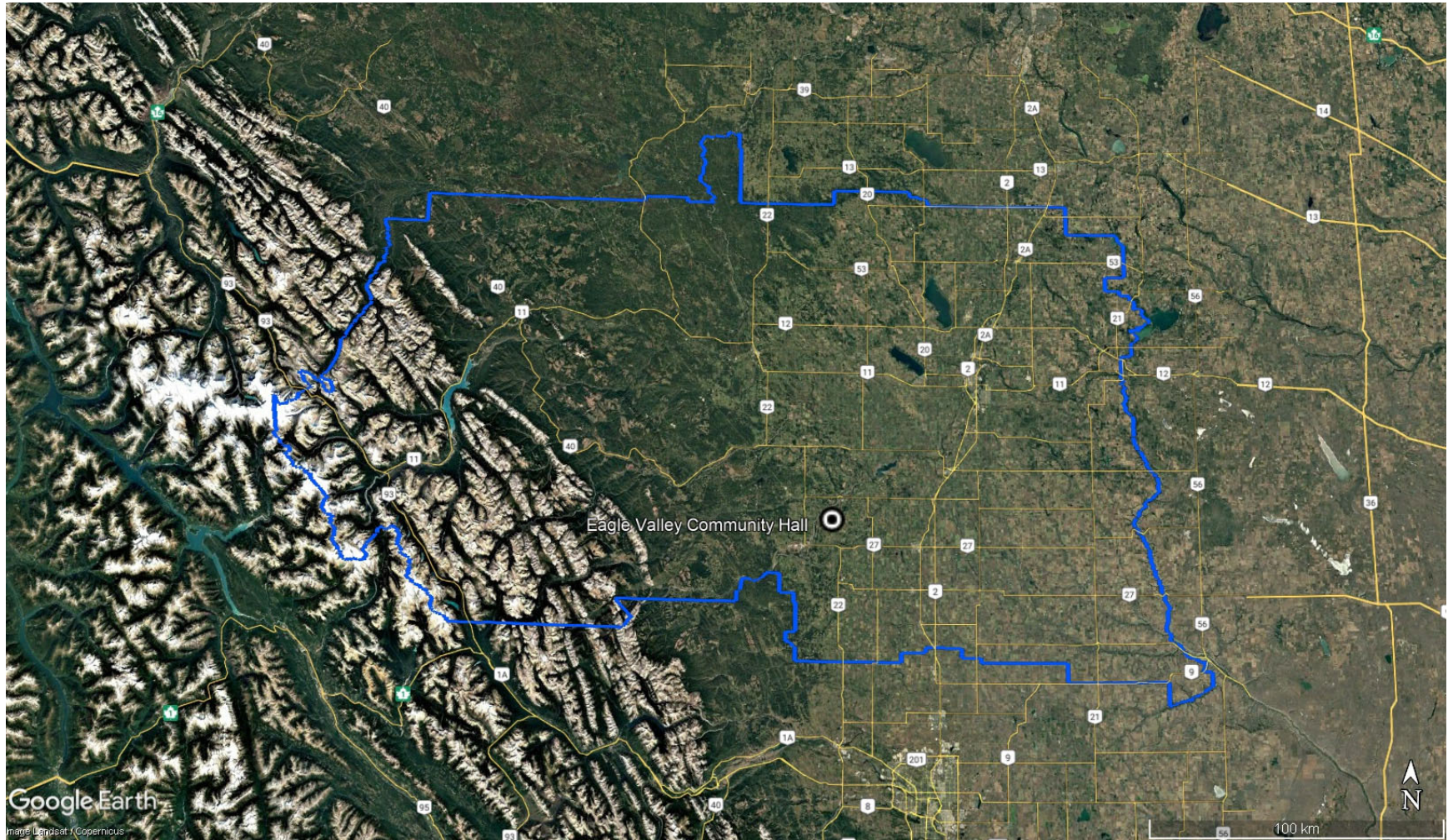




**Parkland AirShed Management Zone**  
**Ambient Air Monitoring Network**  
**November 2024**  
**Ambient Air Quality Monitoring Program Monthly Report**

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**Eagle Valley Community Hall Air Monitoring Station November 2024**

# Eagle Valley Community Hall - Continuous Air Quality Monitoring Data Summary

Ambient Air Quality Data Summary for the Month of November 2024																
Parkland Airshed Management Zone						Maximum Recorded Values										
Pollutant (units)	Objectives			Station	Monthly Average	1-hr				24-hr		Exceedence			Operational Time (%)	
	1-hr	24-hr	30-day			Conc	Day	WSPD (km/hr)	WDIR (Sector)	Conc	Day	1-hr	24-hr	30-day		
SO <sub>2</sub> (ppb)	172	48	11	Eagle River Community Hall	0.1	2.2	Nov-22 16:00	3	ESE	0.4	Nov-22	0	0	0	100.0%	
TRS (ppb)	10	3	-	Eagle River Community Hall	0.5	0.8	Nov-05 21:00	7	S	0.6	Nov-28	0	0	-	100.0%	
NO <sub>2</sub> (ppb)	159	-	-	Eagle River Community Hall	4.7	19.5	Nov-25 19:00	NA	NA	13.1	Nov-25	-	-	-	100.0%	
NO (ppb)	-	-	-	Eagle River Community Hall	0.7	13.3	Nov-25 15:00	3	NNE	3.8	Nov-25	-	-	-	100.0%	
NO <sub>x</sub> (ppb)	-	-	-	Eagle River Community Hall	5.4	26.9	Nov-25 15:00	3	NNE	17.0	Nov-25	-	-	-	100.0%	
O <sub>3</sub> (ppb)	76	-	-	Eagle River Community Hall	19.8	44.7	Nov-17 15:00	19	WSW	31.6	Nov-17	0	-	-	98.1%	
THC (ppm)	-	-	-	Eagle River Community Hall	2.2	5.4	Nov-22 10:00	0	SSW	2.5	Nov-22	-	-	-	100.0%	
CH <sub>4</sub> (ppm)	-	-	-	Eagle River Community Hall	2.2	3.7	Nov-26 21:00	1	W	2.5	Nov-26	-	-	-	100.0%	
NMHC (ppm)	-	-	-	Eagle River Community Hall	0.0	2.1	Nov-22 10:00	0	SSW	0.1	Nov-22	-	-	-	100.0%	
PM <sub>2.5</sub> (ug/m <sup>3</sup> )	80	29	-	Eagle River Community Hall	7.4	38.7	Nov-19 15:00	5	E	17.7	Nov-28	0	0	-	100.0%	
Temp (°C)	-	-	-	Eagle River Community Hall	-6.4	17.4	Nov-08 15:00			7.4	Nov-07				100.0%	
RH (%)	-	-	-	Eagle River Community Hall	79.9	98.9	Nov-10 02:00			94.6	Nov-02				100.0%	
WSPD v (km/hr)	-	-	-	Eagle River Community Hall	1.4	20.0	Nov-17 12:00			7.0	Nov-17				94.7%	
WDIR	-	-	-	Eagle River Community Hall	S										94.7%	

# Eagle Valley Community Hall - Continuous Air Quality Monitoring Station & Equipment Summary

Eagle Valley Community Hall			
<b>General Station and Equipment Issues:</b> Routine monthly calibrations were performed on November 1 <sup>st</sup> (NO/NO <sub>2</sub> /NO <sub>x</sub> , & O <sub>3</sub> ), and November 19 <sup>th</sup> (SO <sub>2</sub> , TRS, THC/CH <sub>4</sub> /NMHC & PM <sub>2.5</sub> ).			
Parameter	Make	Model	Notes
SO <sub>2</sub>	API	100A	No operational issues observed
TRS	API	T100	No operational issues observed
NO <sub>2</sub> /NO/NO <sub>x</sub>	API	T200	No operational issues observed
O <sub>3</sub>	API	T400	Fourteen (14) hours flagged on November 1 <sup>st</sup> for overnight stabilization from November pump maintenance.
PM <sub>2.5</sub>	Met One	Sharp 5030i	No operational issues observed.
THC/CH <sub>4</sub> /NMHC	TEI	55i	No operational issues observed.
RH	Met One	093	No operational issues observed.
ET	Met One	093	No operational issues observed.
WS/WD	Met One	010C/020C	One (1) hour flagged on November 2 <sup>nd</sup> due to wind speed calm. One (1) hour flagged on November 15 <sup>th</sup> due to wind speed calm. One (1) hour flagged on November 16 <sup>th</sup> due to wind speed calm. Twelve (12) hours flagged on November 18 <sup>th</sup> . Ten (10) hours flagged on November 19 <sup>th</sup> . Three (3) flagged on November 21 <sup>st</sup> due to wind speed calm. Three (3) flagged on November 25 <sup>th</sup> due to wind speed calm. One (1) hour flagged on November 26 <sup>th</sup> due to wind speed calm. Two (2) hours flagged on November 27 <sup>th</sup> due to wind speed calm. Two (2) hours flagged on November 28 <sup>th</sup> due to wind speed calm. Two (2) hours flagged on November 30 <sup>th</sup> due to wind speed calm.

# Hourly Averages

# Sulphur Dioxide (SO<sub>2</sub>) - ppb

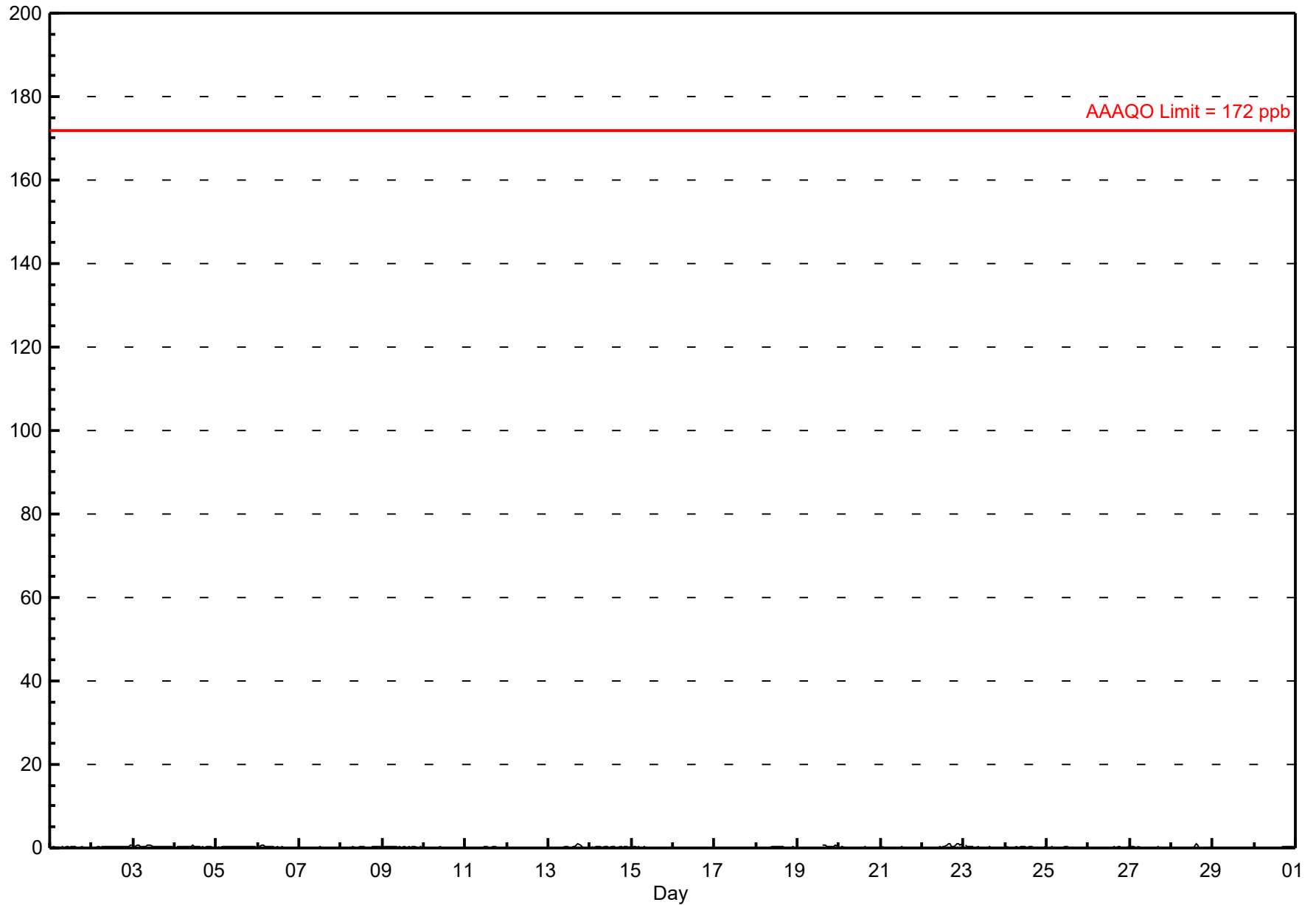
## Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0										Hours in Service: 720																
Maximum Value: 1.1 ppb on Nov 22 16:00										Maximum Daily Average: 0.4 ppb on Nov 22										Hours of Data: 686						
Minimum Value: 0 ppb on Nov 1 18:00										Minimum Daily Average: 0.0 ppb on Nov 16										Hours of Missing Data: 34						
Maximum Diurnal Average: 0.2 ppb at hour 16										Minimum Diurnal Average: 0.1 ppb at hour 7										Hours of Calibration: 34						
Monthly Average: 0.14 ppb										Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.1 Q <sub>3</sub> = 0.2 P <sub>90</sub> = 0.4 P <sub>99</sub> = 0.8										Percent Operational Time: 100.0						
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
2-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.3	0.6
3-Nov	A	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
4-Nov	A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5
5-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5
6-Nov	A	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
7-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
8-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
9-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
10-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
11-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
12-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
13-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0.2	0.8
14-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
15-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
16-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
17-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
18-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
19-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.3	0.8
20-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
21-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
22-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	0.4	1.1
23-Nov	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.7
24-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
25-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
26-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
27-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
28-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0.1	1.0
29-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
30-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
--	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	Diurnal Average	
--	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	1.0	1.1	1.1	0.8	0.8	0.7	1.0	0.9	0.8	0.9	Diurnal Maximum	
C - Calibration		A - Automated Daily Zero Span																								
Alberta Ambient Air Quality Objectives (AAAQO):		1-hr 172 ppb				24-hr 48 ppb				30-day 11 ppb																

# Hourly Averages

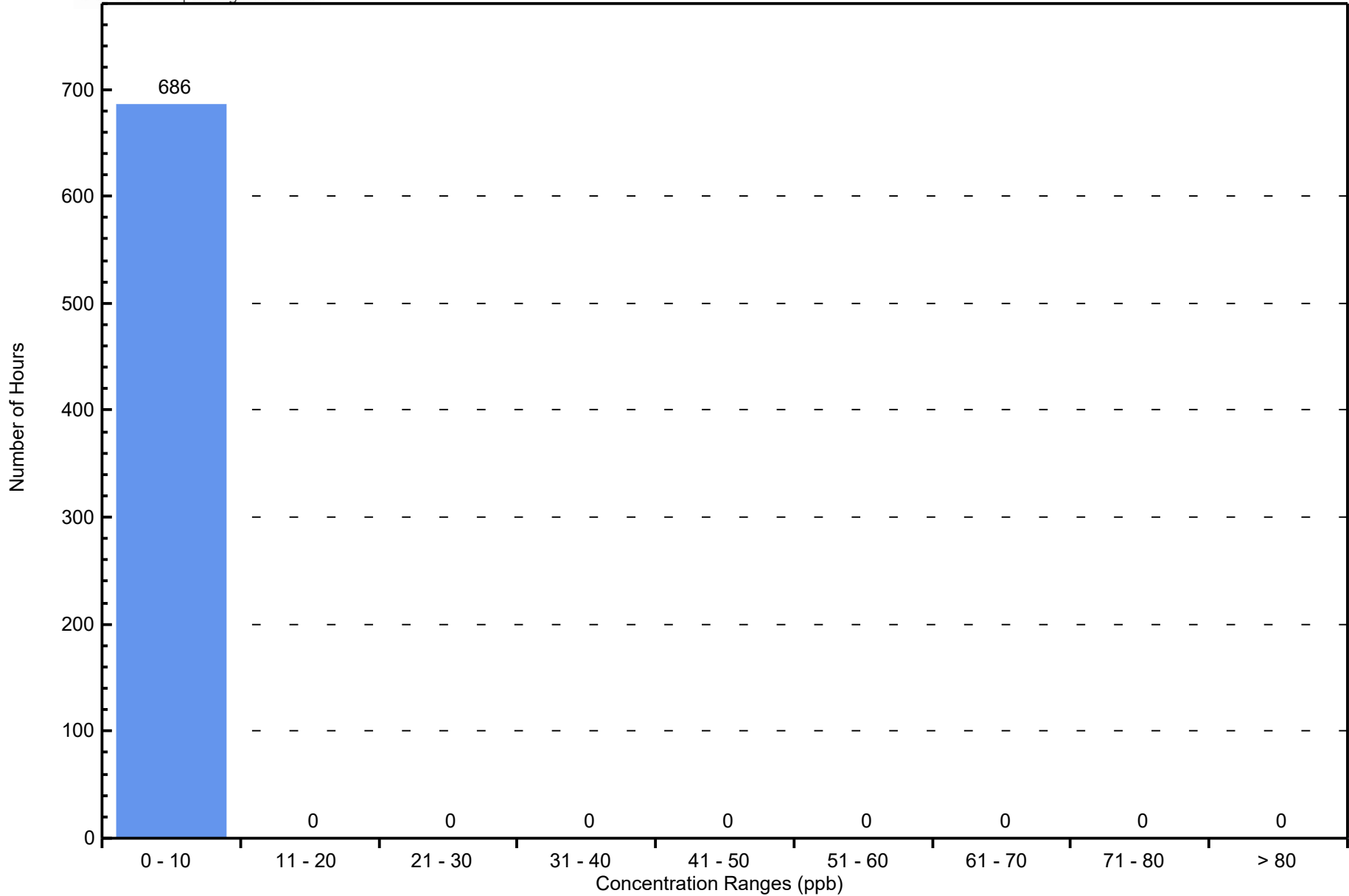
Sulphur Dioxide (SO<sub>2</sub>) - ppb

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024



# Histogram of Hourly Averages

Sulphur Dioxide (SO<sub>2</sub>) - ppb  
Eagle Valley Community Hall - November 2024



# Hourly Averages

## Total Reduced Sulphur (TRS) - ppb

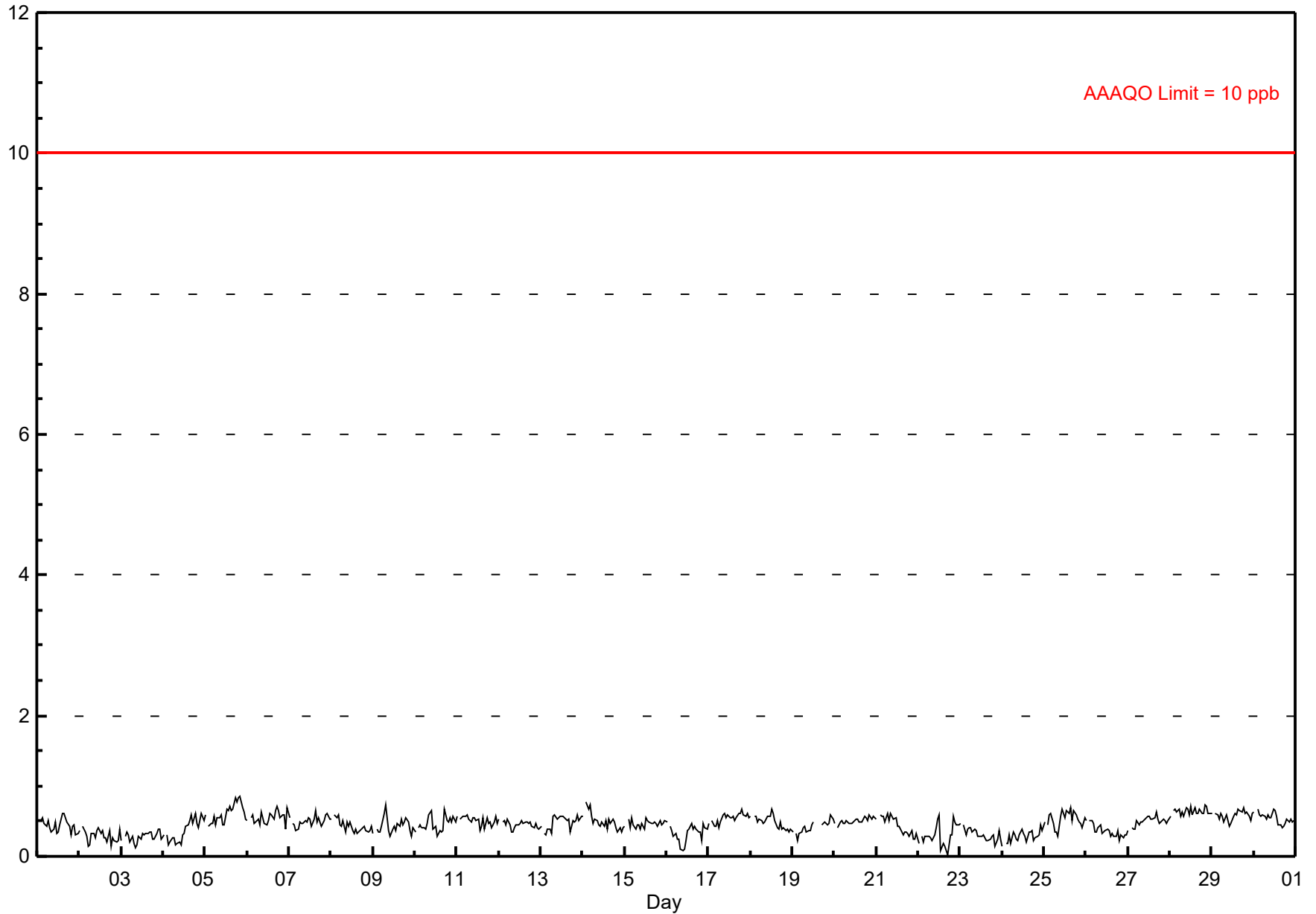
### Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 0.8 ppb on Nov 5 21:00      Maximum Daily Average: 0.6 ppb on Nov 28		Hours in Service: 720 Hours of Data: 686 Hours of Missing Data: 34 Hours of Calibration: 34 Percent Operational Time: 100.0																											
Minimum Value: 0 ppb on Nov 22 18:00 Maximum Diurnal Average: 0.5 ppb at hour 13 Monthly Average: 0.45 ppb		Minimum Daily Average: 0.3 ppb on Nov 3 Minimum Diurnal Average: 0.4 ppb at hour 7 Percentiles: P <sub>1</sub> = 0.1 P <sub>10</sub> = 0.3 Q <sub>1</sub> = 0.4 Median = 0.5 Q <sub>3</sub> = 0.5 P <sub>90</sub> = 0.6 P <sub>99</sub> = 0.7																											
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24					
1-Nov	1	A	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0.5	0.7			
2-Nov	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4			
3-Nov	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4			
4-Nov	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	1	1	1	0.4	0.6			
5-Nov	1	A	0	0	0	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8			
6-Nov	1	A	1	1	0	0	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0.6	0.7			
7-Nov	1	A	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	1	1	1	0.5	0.6			
8-Nov	1	A	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6			
9-Nov	0	A	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0.4	0.7			
10-Nov	0	A	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	1	0	1	0	0.5	0.7			
11-Nov	1	A	1	1	1	1	1	1	0	1	1	1	1	0	0	1	0	1	0	0	0	0	1	0	0.5	0.6			
12-Nov	1	A	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5			
13-Nov	0	A	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	1	0	1	0	1	1	1	0.5	0.6			
14-Nov	1	A	1	1	1	1	0	1	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0.5	0.8			
15-Nov	0	A	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	0.5	0.5			
16-Nov	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5			
17-Nov	0	A	1	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.5	0.7			
18-Nov	1	A	1	1	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.5	0.7			
19-Nov	0	A	0	0	0	0	0	0	0	0	0	0	0	0	C	C	C	C	0	0	0	0	1	1	0.4	0.6			
20-Nov	0	A	0	0	1	0	0	1	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	0.5	0.6			
21-Nov	1	A	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6			
22-Nov	0	A	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0.3	0.6			
23-Nov	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5			
24-Nov	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4			
25-Nov	0	A	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0.5	0.7			
26-Nov	1	A	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5			
27-Nov	0	A	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	0.5	0.6			
28-Nov	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.7			
29-Nov	1	A	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.7			
30-Nov	1	A	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	1	0	1	0.5	0.7			
		0.5	--	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.5	Diurnal Average			
		0.7	--	0.8	0.7	0.7	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.7	Diurnal Maximum		
C - Calibration		A - Automated Daily Zero Span																											
Alberta Ambient Air Quality Objectives (AAAQO):		1-hr 10 ppb						24-hr 3 ppb																					

# Hourly Averages

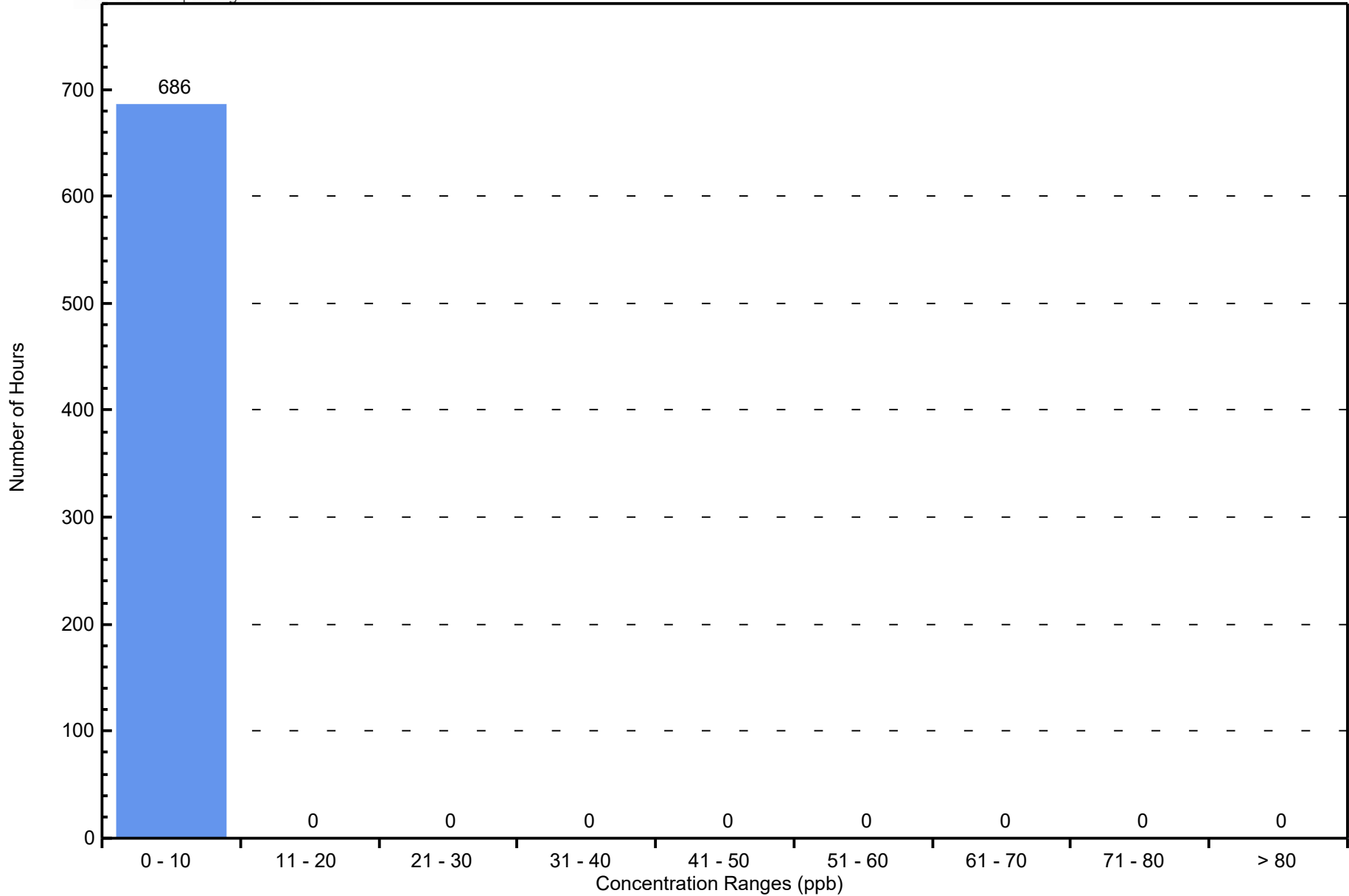
Total Reduced Sulphur (TRS) - ppb

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024





# Histogram of Hourly Averages Total Reduced Sulphur (TRS) - ppb Eagle Valley Community Hall - November 2024



# Hourly Averages

# Nitrogen Dioxide (NO<sub>2</sub>) - ppb

## Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

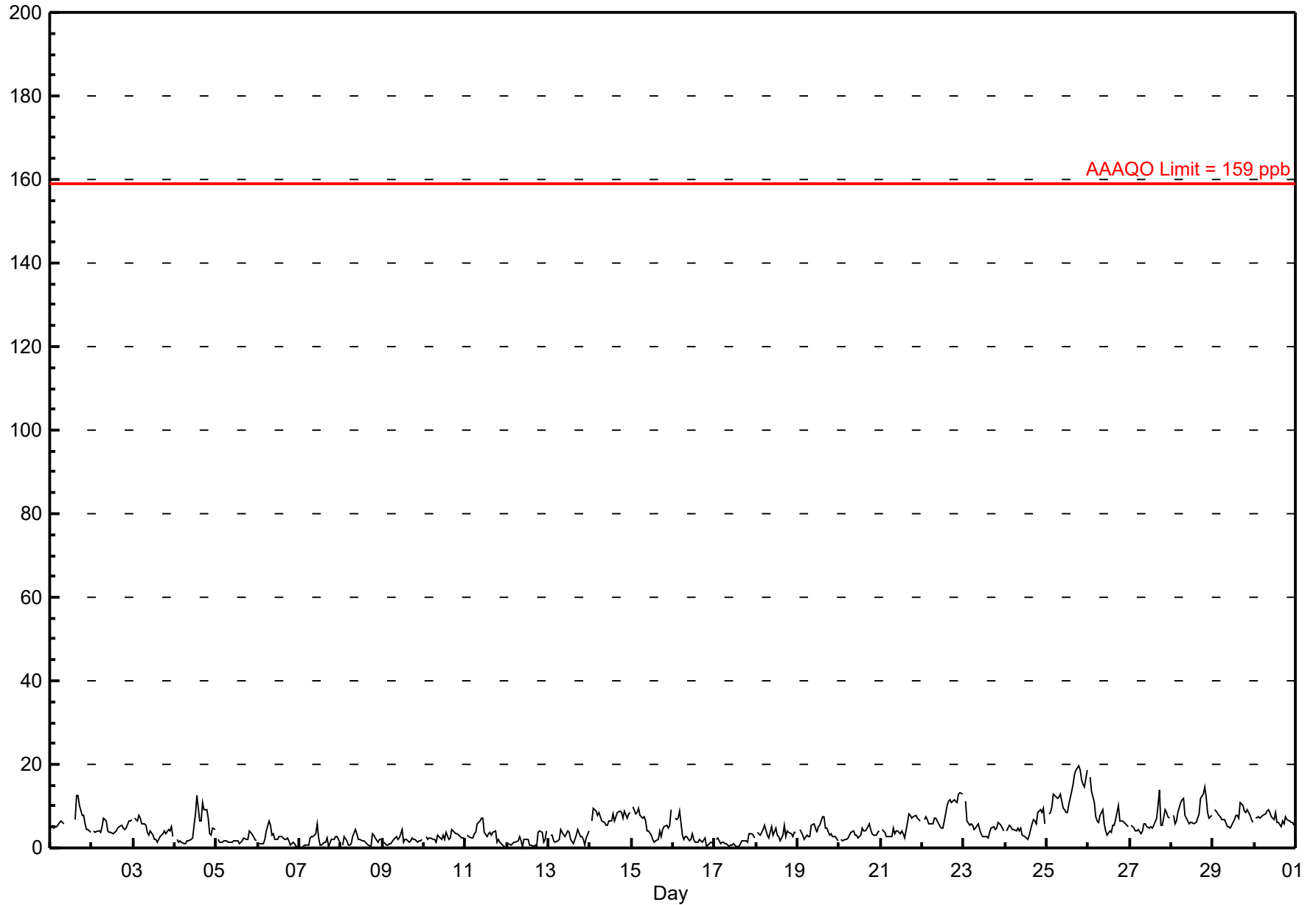
Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0 Maximum Value: 19.5 ppb on Nov 25 19:00      Maximum Daily Average: 13.1 ppb on Nov 25										Hours in Service: 720 Hours of Data: 685 Hours of Missing Data: 35 Hours of Calibration: 35 Percent Operational Time: 100.0																	
Minimum Value: 0 ppb on Nov 7 02:00 Maximum Diurnal Average: 5.9 ppb at hour 18 Monthly Average: 4.70 ppb										Minimum Daily Average: 1.5 ppb on Nov 17 Minimum Diurnal Average: 3.7 ppb at hour 13 Percentiles: P <sub>1</sub> = 0.4 P <sub>10</sub> = 1.3 Q <sub>1</sub> = 2.2 Median = 4.0 Q <sub>3</sub> = 6.5 P <sub>90</sub> = 8.7 P <sub>99</sub> = 15.4																	
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1-Nov	A	6	5	5	5	6	7	6	6	C	C	C	C	C	7	12	12	10	8	8	6	5	4	4	6.7	12.4	
2-Nov	A	4	4	4	4	4	5	7	7	4	4	4	3	4	4	5	5	5	5	5	5	7	6	7	4.8	7.0	
3-Nov	A	7	6	8	7	6	6	6	4	3	4	3	2	2	1	3	3	4	4	3	4	4	5	3	4.2	7.8	
4-Nov	A	2	2	2	1	1	1	2	2	2	3	6	8	12	6	6	11	9	9	7	4	3	5	4	4.6	12.4	
5-Nov	A	2	1	2	2	2	2	2	1	2	2	2	2	1	1	2	3	2	2	4	4	3	2	2	1.9	4.1	
6-Nov	A	1	1	1	2	4	6	5	3	3	2	2	3	3	3	2	2	2	2	1	1	1	0	0	2.2	6.4	
7-Nov	A	0	0	1	1	1	2	3	3	4	6	2	1	1	2	1	2	0	2	2	2	3	3	2	1.8	5.8	
8-Nov	A	1	3	2	1	1	1	3	4	3	2	2	2	2	1	1	1	0	3	3	3	2	2	2	1.9	4.4	
9-Nov	A	1	1	1	1	1	2	2	3	2	3	4	1	2	2	1	2	2	2	2	2	2	2	2	1.8	4.4	
10-Nov	A	3	2	2	2	2	2	2	3	3	2	3	2	4	2	2	4	4	4	4	4	3	3	2	3	2.7	4.4
11-Nov	A	3	3	3	2	3	4	6	7	7	7	4	3	3	4	3	4	4	4	2	2	1	1	0	1	3.2	7.2
12-Nov	A	1	1	1	1	1	2	3	2	1	2	2	2	1	1	1	1	1	4	4	4	4	1	2	4	1.8	4.2
13-Nov	A	3	3	2	1	2	2	5	4	3	4	4	4	2	1	2	3	5	3	3	2	1	3	4	2.7	4.5	
14-Nov	A	7	10	9	8	9	7	7	6	5	6	7	7	8	7	8	9	9	9	7	9	7	8	9	7.5	9.5	
15-Nov	A	10	8	9	9	8	7	7	6	4	4	3	2	1	2	2	4	3	4	5	5	5	6	9	5.4	9.7	
16-Nov	A	7	7	7	9	3	2	3	3	2	2	4	2	2	1	2	2	1	2	1	1	1	1	1	2.8	8.9	
17-Nov	A	2	2	1	1	1	1	1	0	1	1	1	1	1	0	1	2	2	2	1	3	3	3	3	1.5	3.4	
18-Nov	A	4	3	4	4	6	3	2	4	5	3	5	3	3	2	3	5	3	4	4	3	3	4	4	3.6	5.5	
19-Nov	A	4	4	3	2	3	3	3	5	6	5	4	5	6	8	7	5	5	3	4	3	3	3	2	4.0	7.6	
20-Nov	A	2	2	2	2	2	3	4	4	3	3	2	3	5	4	4	5	6	4	3	3	3	4	4	3.3	5.6	
21-Nov	A	4	4	3	3	3	3	5	3	4	4	4	4	3	2	6	8	8	7	8	8	7	7	7	4.9	8.1	
22-Nov	A	7	7	7	6	6	6	7	7	6	5	5	5	6	10	11	11	11	11	11	11	13	13	13	8.5	13.3	
23-Nov	A	11	7	5	6	5	4	5	6	5	4	3	3	3	3	4	5	5	4	5	6	5	5	4	4.8	11.2	
24-Nov	A	4	5	5	4	5	4	5	4	5	3	3	2	2	3	6	7	6	6	9	9	9	9	6	5.2	9.4	
25-Nov	A	8	9	10	13	12	12	12	13	10	9	8	8	11	14	15	18	19	20	19	16	15	15	19	13.1	19.5	
26-Nov	A	17	14	11	8	6	6	8	9	6	4	3	4	4	5	5	7	10	6	6	7	6	5	5	7.1	16.9	
27-Nov	A	6	5	4	4	5	3	4	6	6	5	5	5	5	6	7	10	14	6	6	9	8	7	7	6.1	13.8	
28-Nov	A	8	6	7	8	11	12	12	8	6	6	6	6	6	6	7	8	12	13	15	12	8	7	8	8.5	14.6	
29-Nov	A	9	9	8	7	7	7	7	7	5	5	5	6	7	8	8	7	11	10	9	9	8	7	6	7.5	11.0	
30-Nov	A	7	7	7	8	8	8	9	9	9	9	8	7	8	6	5	7	6	8	7	6	6	6	5	7.0	9.0	
--	--	5.0	4.6	4.4	4.4	4.4	4.4	4.9	4.9	4.2	3.9	3.8	3.7	3.9	4.0	4.7	5.8	5.9	5.5	5.5	5.4	4.8	4.9	4.9	Diurnal Average		
--	--	16.9	13.7	10.8	12.8	12.1	11.9	12.1	12.8	9.5	9.0	8.4	8.4	12.4	13.6	15.2	17.7	18.7	19.5	18.6	16.4	15.2	14.7	18.6	Diurnal Maximum		
C - Calibration      A - Automated Daily Zero Span																											
Alberta Ambient Air Quality Objectives (AAQO): 1-hr 159 ppb    24-hr 106 ppb																											



## Hourly Averages

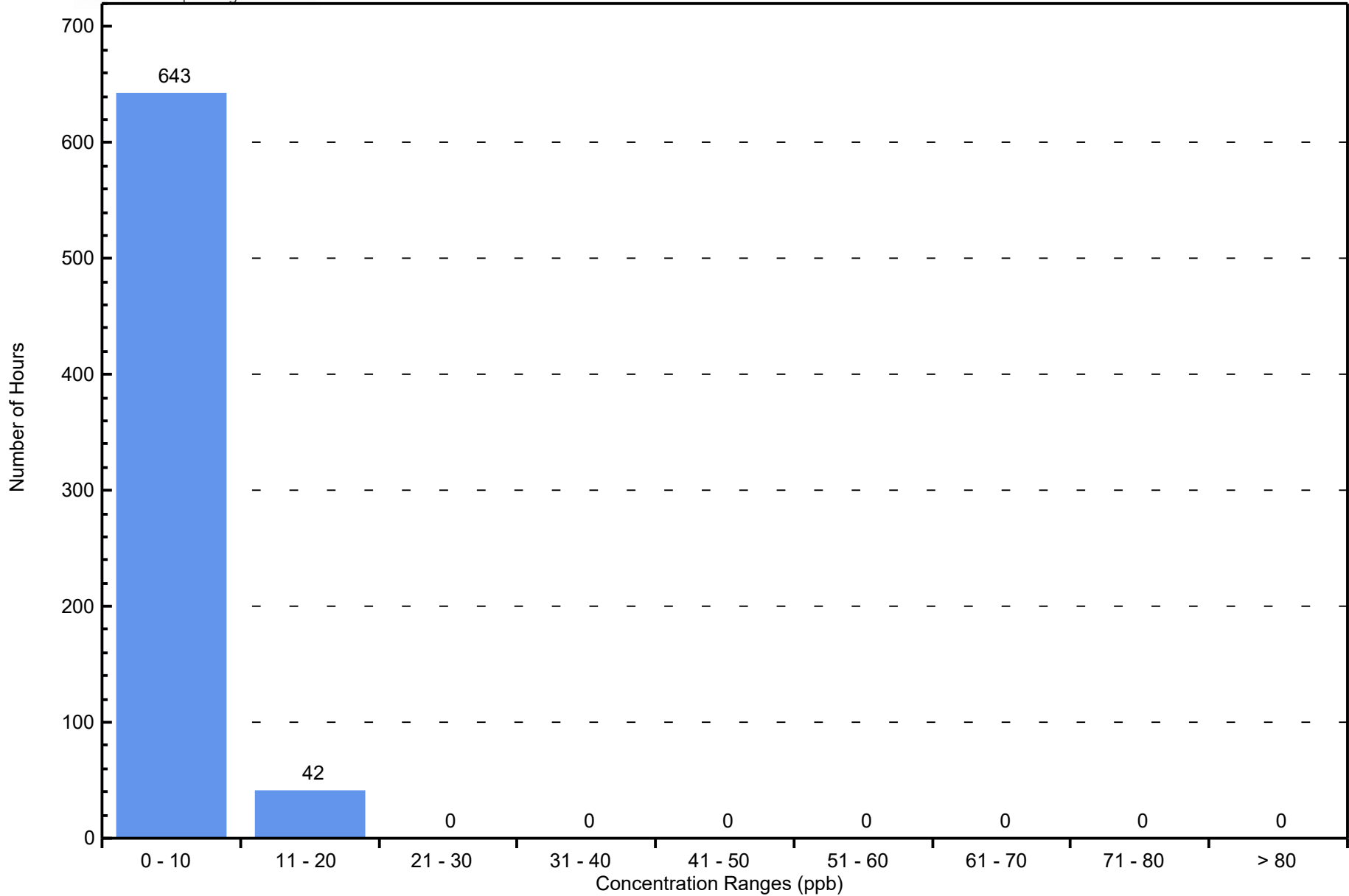
Nitrogen Dioxide (NO<sub>2</sub>) - ppb

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024



# Histogram of Hourly Averages

Nitrogen Dioxide (NO<sub>2</sub>) - ppb  
Eagle Valley Community Hall - November 2024



# Hourly Averages

# Oxides of Nitrogen (NO<sub>x</sub>) - ppb

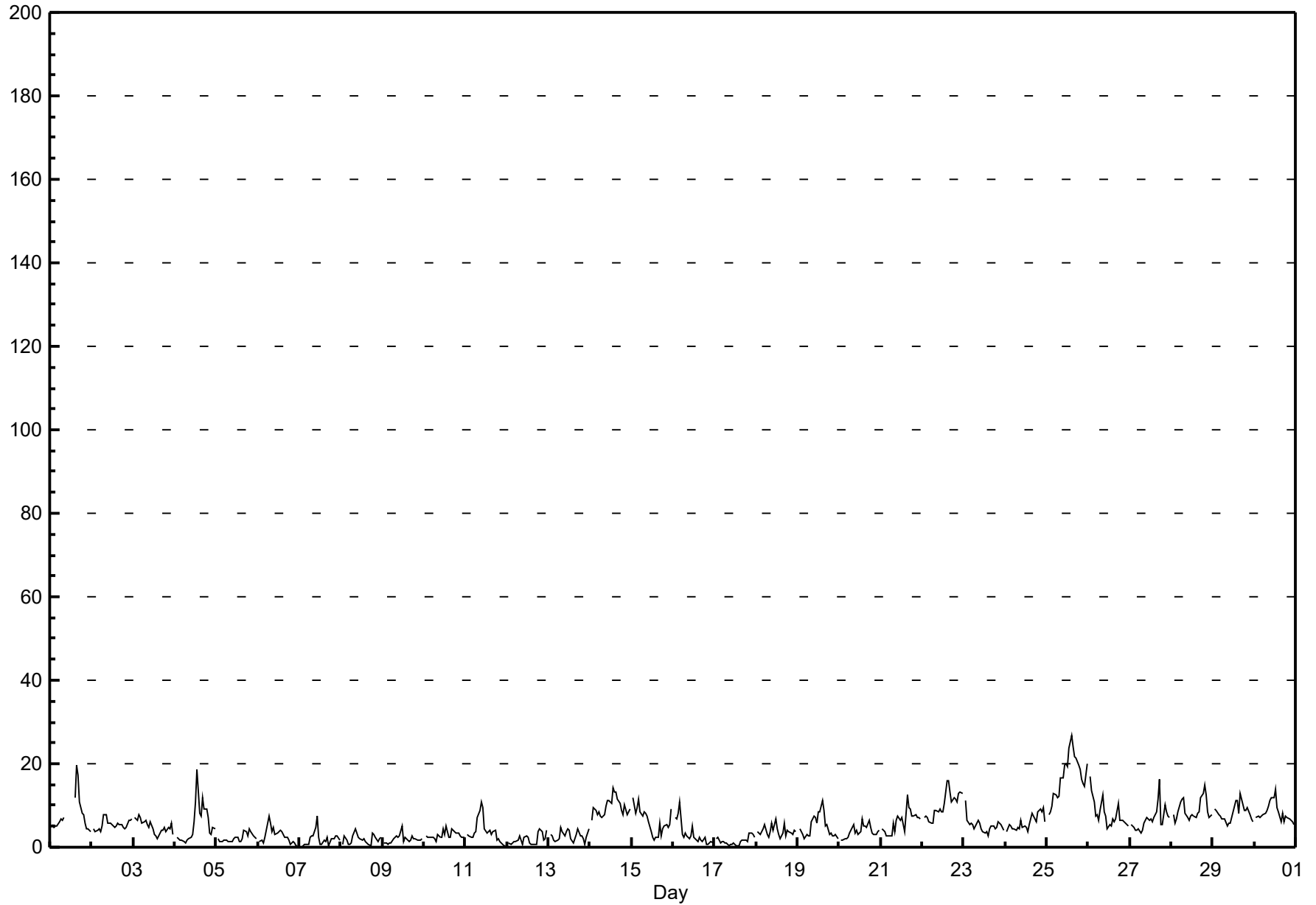
## Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 26.9 ppb on Nov 25 15:00      Maximum Daily Average: 17.0 ppb on Nov 25																			Hours in Service: 720 Hours of Data: 685							
Minimum Value: 0 ppb on Nov 7 02:00      Minimum Daily Average: 1.5 ppb on Nov 17 Maximum Diurnal Average: 6.8 ppb at hour 17      Minimum Diurnal Average: 4.5 ppb at hour 4 Monthly Average: 5.41 ppb      Percentiles: P <sub>1</sub> = 0.4 P <sub>10</sub> = 1.4 Q <sub>1</sub> = 2.4 Median = 4.5 Q <sub>3</sub> = 7.4 P <sub>90</sub> = 10.7 P <sub>99</sub> = 19.8																			Hours of Missing Data: 35 Hours of Calibration: 35 Percent Operational Time: 100.0							
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Nov	A	5	5	5	5	6	7	6	7	C	C	C	C	C	12	20	17	11	8	8	6	5	4	4	7.8	19.8
2-Nov	A	4	4	4	4	4	5	8	8	6	6	6	5	5	5	6	6	5	5	4	5	7	6	7	5.4	7.8
3-Nov	A	7	6	8	7	6	6	6	6	5	6	4	3	3	2	3	4	4	5	4	5	5	6	3	4.9	7.9
4-Nov	A	2	2	2	2	1	1	2	2	2	3	6	11	19	8	8	12	9	9	7	3	3	5	4	5.3	18.7
5-Nov	A	2	1	1	2	2	2	1	1	2	2	2	2	1	2	2	4	4	3	4	4	3	2	2	2.3	4.4
6-Nov	A	1	2	1	2	4	7	6	4	5	3	3	4	4	4	2	2	2	2	1	1	1	0	0	2.7	7.3
7-Nov	A	0	0	1	1	1	2	3	3	5	7	2	1	1	2	1	2	0	2	2	2	3	3	2	1.9	7.4
8-Nov	A	1	3	2	1	1	1	3	4	3	2	2	2	2	1	1	1	0	3	3	2	2	2	2	1.9	4.4
9-Nov	A	1	1	1	1	1	2	2	3	2	3	5	1	2	2	1	2	3	2	2	2	2	2	2	2.0	5.1
10-Nov	A	3	2	2	2	2	2	1	3	2	2	4	3	5	2	2	4	4	3	3	3	3	2	2	2.9	5.0
11-Nov	A	3	3	3	2	3	4	7	9	11	10	4	3	4	4	3	4	4	2	2	1	1	0	0	3.8	10.9
12-Nov	A	1	1	1	1	1	2	3	2	1	2	3	2	1	1	1	1	1	4	4	4	2	2	4	1.9	4.4
13-Nov	A	3	3	2	1	2	2	5	4	3	4	4	4	2	1	2	3	4	3	3	2	1	3	4	2.8	4.7
14-Nov	A	7	10	9	8	8	7	7	8	10	11	11	11	14	13	13	12	10	9	8	10	8	9	9	9.6	14.2
15-Nov	A	12	8	9	12	9	7	8	8	8	6	4	2	2	2	2	6	3	4	5	5	5	5	9	6.2	11.8
16-Nov	A	7	7	8	11	3	2	4	3	2	3	5	2	2	1	2	2	1	2	1	1	1	1	1	3.1	10.9
17-Nov	A	2	2	1	1	1	1	1	0	1	1	1	0	0	0	1	2	2	2	1	3	3	3	3	1.5	3.4
18-Nov	A	4	3	4	4	6	3	2	4	6	4	7	4	3	2	3	6	3	4	4	3	3	4	4	3.9	6.7
19-Nov	A	5	4	3	2	3	3	3	6	7	7	6	8	8	11	9	5	5	3	3	3	3	3	2	4.9	11.1
20-Nov	A	2	2	2	2	2	3	4	5	3	4	3	4	7	5	5	5	6	5	3	3	3	4	4	3.8	6.9
21-Nov	A	4	4	3	3	3	3	6	4	6	7	7	7	5	4	13	10	9	7	7	8	7	7	7	6.1	12.5
22-Nov	A	7	7	7	6	6	6	9	9	8	9	8	8	11	16	16	13	11	12	11	11	13	13	13	10.1	16.1
23-Nov	A	11	6	5	6	5	4	5	6	6	4	4	4	4	3	4	5	5	4	5	6	5	5	4	5.1	11.2
24-Nov	A	4	5	5	4	5	4	5	4	6	5	5	5	4	6	8	7	7	6	9	9	9	9	6	5.9	9.4
25-Nov	A	8	9	10	13	12	12	12	16	17	20	20	19	24	27	24	22	22	20	19	16	15	15	20	17.0	26.9
26-Nov	A	17	14	11	7	8	6	9	12	8	7	4	6	5	7	6	7	10	6	6	7	6	5	5	7.9	17.0
27-Nov	A	6	5	4	4	4	3	4	6	7	7	6	7	6	7	8	12	16	6	6	10	8	7	7	6.8	16.4
28-Nov	A	8	6	7	9	11	12	12	8	7	6	7	8	7	7	8	9	12	13	15	12	8	7	8	8.9	14.8
29-Nov	A	9	9	8	7	7	7	7	5	6	6	7	10	11	11	8	13	10	9	9	9	8	7	6	8.2	12.9
30-Nov	A	7	7	7	8	8	8	9	10	11	12	12	14	9	9	6	8	6	8	7	7	6	6	5	8.3	13.9
--	--	5.1	4.6	4.5	4.6	4.5	4.5	5.3	5.7	5.7	5.9	5.7	5.5	5.9	5.9	6.4	6.8	6.4	5.6	5.6	5.5	4.8	5.0	5.0	Diurnal Average	
--	--	17.0	13.7	10.8	12.8	12.4	11.9	12.3	16.5	16.7	19.7	20.0	19.4	23.7	26.9	23.9	21.7	21.5	19.5	18.6	16.4	15.2	14.7	20.0	Diurnal Maximum	
C - Calibration		A - Automated Daily Zero Span																								

# Hourly Averages

Oxides of Nitrogen (NO<sub>x</sub>) - ppb

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

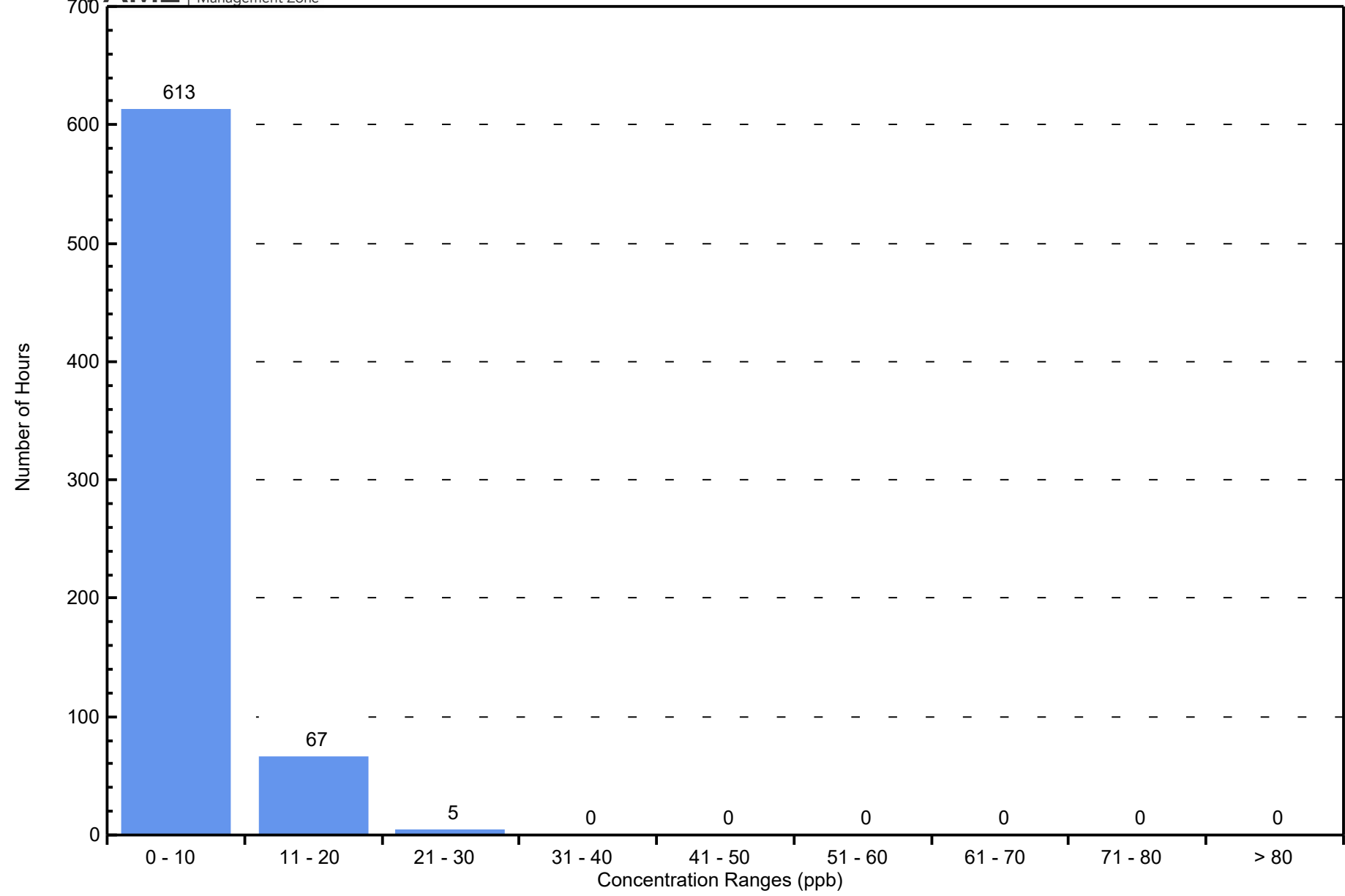




# Histogram of Hourly Averages

Oxides of Nitrogen (NO<sub>x</sub>) - ppb

Eagle Valley Community Hall - November 2024



# Hourly Averages

## Nitrogen Oxide (NO) - ppb

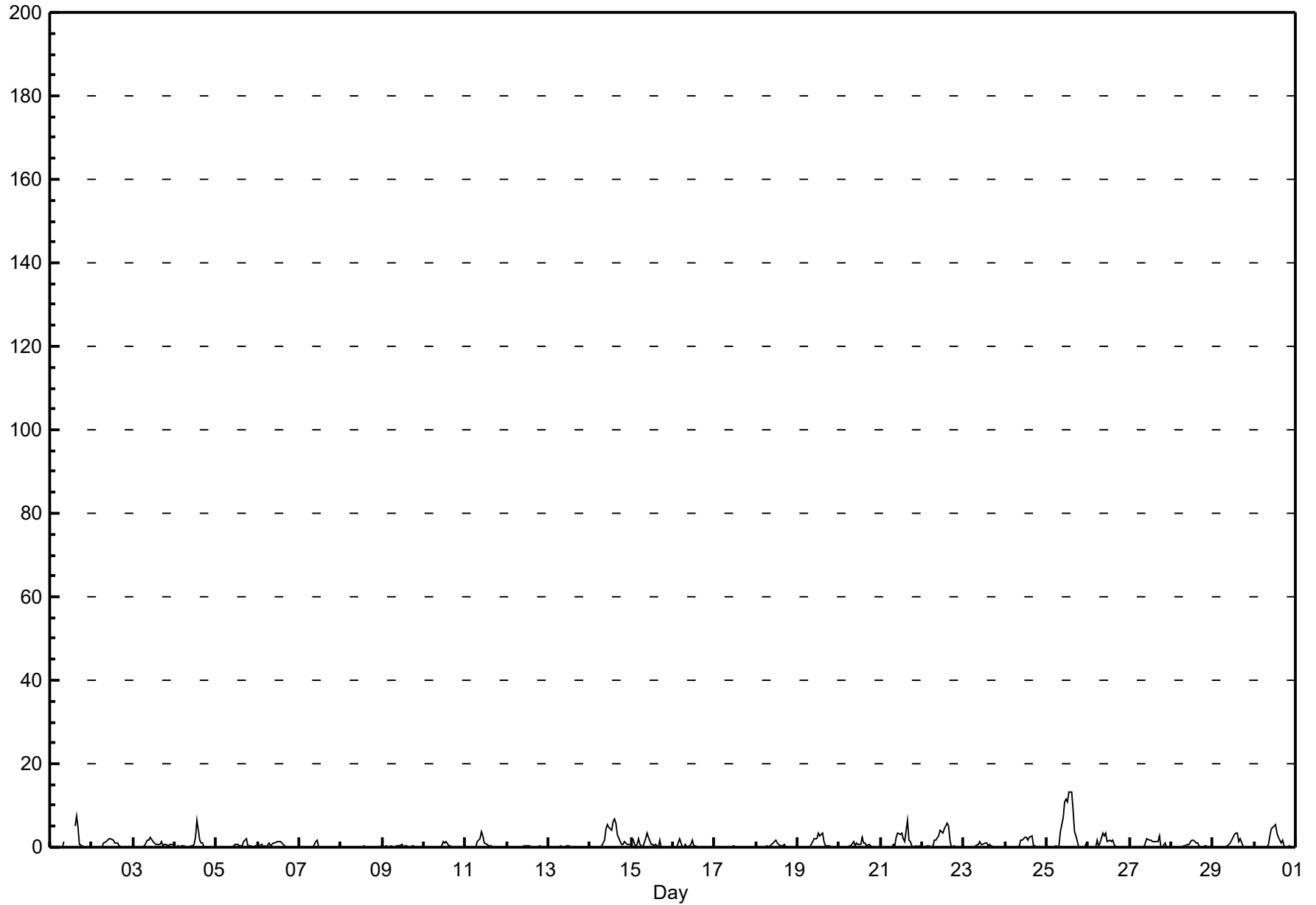
### Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0 Maximum Value: 13.3 ppb on Nov 25 15:00      Maximum Daily Average: 3.8 ppb on Nov 25		Hours in Service: 720 Hours of Data: 685 Hours of Missing Data: 35 Hours of Calibration: 35 Percent Operational Time: 100.0																								
Minimum Value: 0 ppb on Nov 1 04:00 Maximum Diurnal Average: 2.0 ppb at hour 14 Monthly Average: 0.71 ppb		Minimum Daily Average: 0.0 ppb on Nov 17 Minimum Diurnal Average: 0.1 ppb at hour 3 Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.1 Q <sub>3</sub> = 0.7 P <sub>90</sub> = 1.9 P <sub>99</sub> = 7.2																								
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Nov	A	0	0	0	0	0	0	0	1	C	C	C	C	C	5	7	5	1	0	0	0	0	0	0	1.1	7.4
2-Nov	A	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0.6	2.0
3-Nov	A	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	1	0	1	1	1	1	1	1	0.7	2.3
4-Nov	A	0	0	0	0	0	0	0	0	0	0	1	2	6	2	1	1	0	0	0	0	0	0	0	0.7	6.3
5-Nov	A	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	0	0	0	0	0	0	0.3	1.9
6-Nov	A	0	1	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.5	1.3
7-Nov	A	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.6
8-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
9-Nov	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.7
10-Nov	A	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0.2	1.4
11-Nov	A	0	0	0	0	0	0	1	2	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0.5	3.7
12-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
13-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
14-Nov	A	0	0	0	0	0	0	0	2	4	5	5	4	6	7	6	3	1	1	1	1	1	1	1	2.1	6.7
15-Nov	A	2	0	1	2	1	0	1	2	3	2	1	1	0	1	0	2	0	0	0	0	0	0	0	0.8	3.4
16-Nov	A	0	0	1	2	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.0
17-Nov	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
18-Nov	A	0	0	0	0	0	0	0	0	1	1	2	1	1	0	0	1	0	0	0	0	0	0	0	0.3	1.8
19-Nov	A	0	0	0	0	0	0	0	1	2	2	2	3	3	4	1	0	0	0	0	0	0	0	0	0.8	3.5
20-Nov	A	0	0	0	0	0	0	0	1	0	1	1	1	2	1	1	0	1	0	0	0	0	0	0	0.5	2.3
21-Nov	A	0	0	0	0	0	0	1	0	2	3	3	3	2	1	6	2	1	0	0	0	0	0	0	1.2	6.4
22-Nov	A	0	0	0	0	0	0	2	2	3	4	4	4	4	6	5	2	0	0	0	0	0	0	0	1.6	5.7
23-Nov	A	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0.3	1.3
24-Nov	A	0	0	0	0	0	0	0	0	2	2	2	2	2	2	3	0	0	0	0	0	0	0	0	0.7	2.6
25-Nov	A	0	0	0	0	0	0	0	4	7	11	12	11	13	13	9	4	3	0	0	0	0	0	1	3.8	13.3
26-Nov	A	0	0	0	0	2	0	1	3	3	3	1	2	1	2	1	0	0	0	0	0	0	0	0	0.8	3.4
27-Nov	A	0	0	0	0	0	0	0	0	1	2	2	2	1	2	1	1	3	0	0	1	0	0	0	0.7	2.6
28-Nov	A	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0.4	1.6
29-Nov	A	0	0	0	0	0	0	0	0	1	1	2	3	3	3	1	2	0	0	0	0	0	0	0	0.7	3.4
30-Nov	A	0	0	0	0	0	0	1	3	4	5	6	3	2	1	2	0	0	0	0	0	0	0	0	1.2	5.5
--	0.1	0.1	0.1	0.2	0.1	0.1	0.4	0.8	1.5	1.9	1.9	1.9	2.0	1.9	1.6	0.9	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Diurnal Average	
--	2.1	0.5	1.0	2.2	1.5	0.9	1.7	3.7	7.2	10.7	11.6	11.0	13.2	13.3	8.7	4.9	2.8	0.7	0.6	1.2	0.6	0.7	1.4	Diurnal Maximum		
C - Calibration		A - Automated Daily Zero Span																								

# Hourly Averages

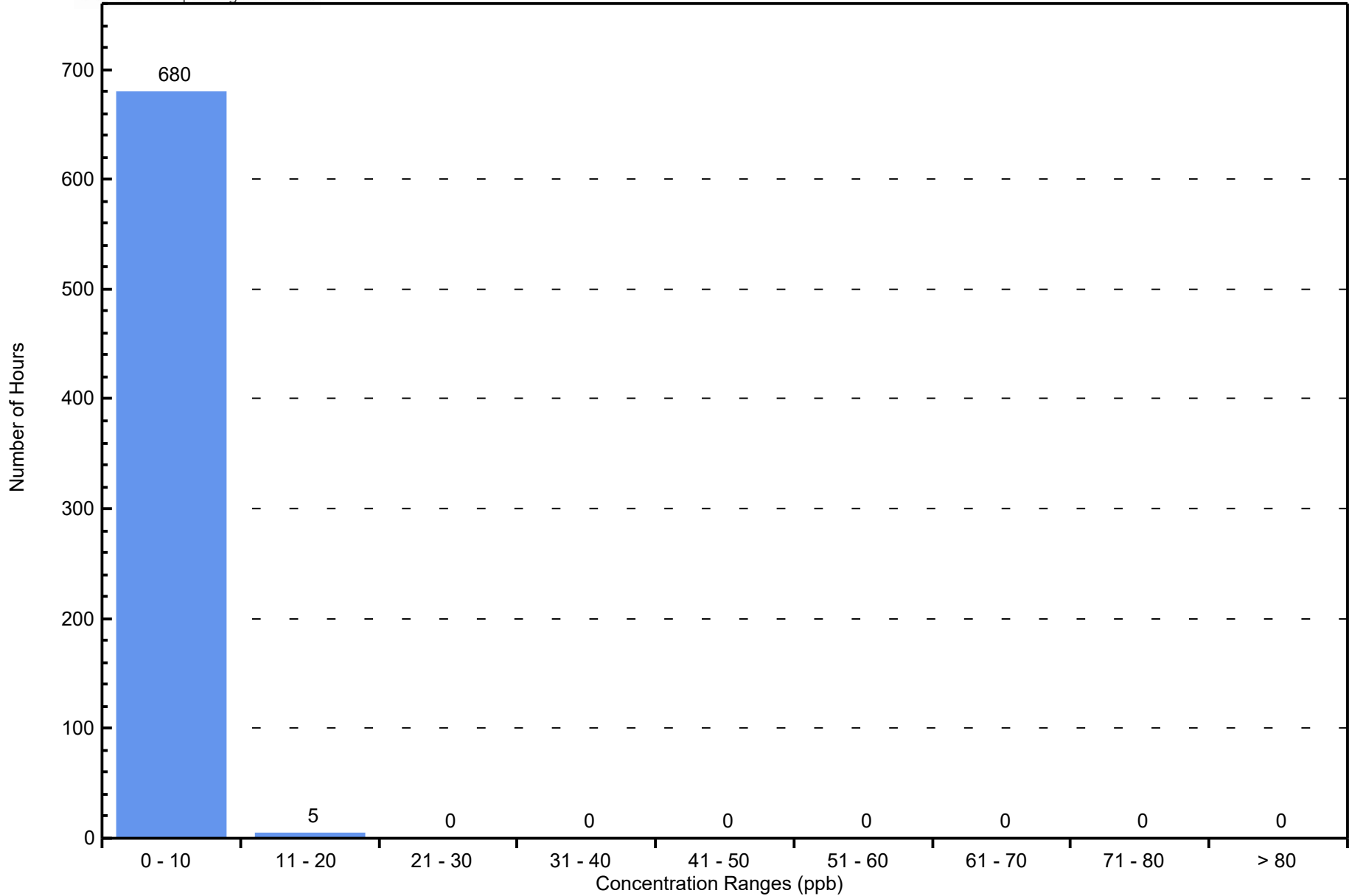
Nitrogen Oxide (NO) - ppb

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024



# Histogram of Hourly Averages

Nitrogen Oxide (NO) - ppb  
Eagle Valley Community Hall - November 2024



# Hourly Averages

Ozone (O<sub>3</sub>) - ppb

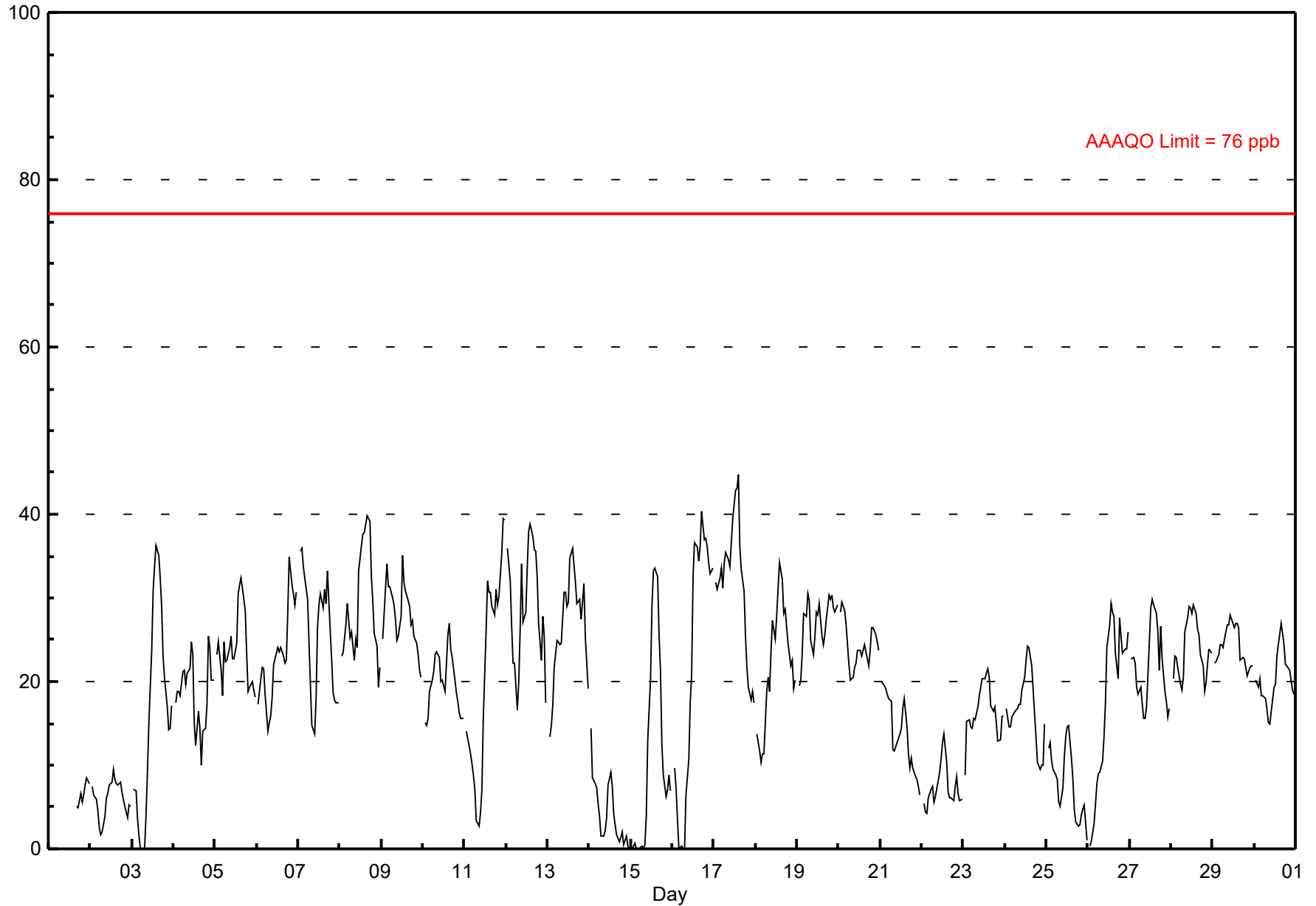
Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 44.7 ppb on Nov 17 15:00 Maximum Daily Average: 31.6 ppb on Nov 17																	Hours in Service: 720 Hours of Data: 675 Hours of Missing Data: 45 Hours of Calibration: 31 Percent Operational Time: 98.1									
Minimum Value: 0 ppb on Nov 3 06:00 Minimum Daily Average: 4.2 ppb on Nov 14 Maximum Diurnal Average: 26.5 ppb at hour 15 Minimum Diurnal Average: 15.7 ppb at hour 8 Monthly Average: 19.79 ppb Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 5.6 Q <sub>1</sub> = 13.0 Median = 20.6 Q <sub>3</sub> = 26.8 P <sub>90</sub> = 32.0 P <sub>99</sub> = 39.4																										
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
1-Nov	M	M	M	M	M	M	M	M	M	M	M	M	M	M	C	C	5	5	7	6	6	8	8	8	--	8.5
2-Nov	A	7	6	6	5	3	2	2	4	6	7	8	8	9	8	8	8	8	7	6	5	4	5	5	5.9	9.4
3-Nov	A	7	7	3	1	0	0	0	4	9	15	24	31	34	36	35	32	29	23	21	17	14	14	17	16.3	36.2
4-Nov	A	18	19	19	18	21	21	20	21	21	25	23	15	12	16	14	10	14	14	17	25	24	20	20	18.7	25.4
5-Nov	A	23	25	21	18	25	22	23	24	25	23	23	25	31	32	32	31	29	23	19	19	20	19	18	23.9	32.4
6-Nov	A	17	20	22	22	18	14	15	16	18	22	23	24	24	24	23	22	23	28	35	32	30	29	31	23.1	34.9
7-Nov	A	36	36	34	32	30	25	20	15	14	18	26	29	31	29	31	29	33	26	23	19	18	17	17	25.5	35.9
8-Nov	A	23	23	27	29	27	25	26	23	25	24	33	36	38	38	39	40	39	33	30	26	24	19	22	29.1	39.8
9-Nov	A	25	31	34	31	31	30	29	27	25	28	35	32	31	30	29	27	27	25	25	23	21	21	21	28.0	35.1
10-Nov	A	15	15	16	19	20	21	23	24	23	20	20	19	19	26	27	24	23	20	19	18	16	16	16	19.9	27.0
11-Nov	A	14	13	11	10	9	7	3	3	4	7	16	26	32	31	31	29	28	31	29	30	35	40	39	20.8	39.6
12-Nov	A	36	32	27	22	22	17	20	26	34	27	28	34	38	39	37	36	36	33	27	23	28	25	17	28.8	38.8
13-Nov	A	13	15	17	22	25	25	24	25	31	31	29	30	35	36	34	32	29	30	27	29	32	25	19	26.7	36.0
14-Nov	A	14	8	8	7	5	4	2	2	2	4	8	9	7	4	3	2	1	1	2	1	1	0	0	4.2	14.4
15-Nov	A	0	1	0	0	0	0	0	1	4	13	20	29	33	34	32	26	21	13	9	6	7	9	7	11.5	33.6
16-Nov	A	10	7	4	0	0	0	0	6	11	17	21	33	37	36	34	36	40	37	37	36	34	33	34	21.9	40.3
17-Nov	A	32	31	32	33	31	34	35	35	34	37	39	43	43	45	36	33	31	25	22	19	18	19	17	31.6	44.7
18-Nov	A	14	12	10	11	11	19	20	19	24	27	25	28	31	34	32	28	29	27	25	22	19	20	20	22.1	34.2
19-Nov	A	19	20	23	28	28	30	30	25	23	25	28	28	29	25	24	26	27	30	30	30	29	28	29	26.9	30.5
20-Nov	A	28	30	28	27	24	22	20	21	22	22	24	24	23	24	24	24	22	24	26	27	26	25	24	24.3	29.5
21-Nov	A	20	19	19	18	18	18	12	12	12	13	14	14	17	18	15	11	10	11	10	9	8	7	7	13.5	20.0
22-Nov	A	5	4	4	6	7	7	6	6	8	9	11	13	14	10	7	6	6	6	7	9	7	6	6	7.4	13.7
23-Nov	A	9	15	15	15	14	16	15	17	18	19	20	20	21	21	20	17	16	17	15	13	13	16	16	16.6	21.5
24-Nov	A	17	15	15	16	16	17	17	17	17	19	20	22	24	24	22	19	16	13	10	9	10	10	15	16.6	24.2
25-Nov	A	12	13	11	10	9	8	6	5	7	11	13	15	15	11	9	5	3	3	3	4	5	5	1	7.9	14.7
26-Nov	A	0	1	3	5	8	9	9	11	13	17	24	27	29	28	28	23	20	28	25	23	24	24	26	17.7	29.4
27-Nov	A	23	23	22	19	18	19	17	16	16	17	25	29	30	29	28	26	21	27	23	19	18	16	17	21.6	29.9
28-Nov	A	20	23	23	22	20	19	21	26	28	29	29	28	29	28	26	26	23	22	19	20	22	24	23	23.9	29.1
29-Nov	A	22	22	23	24	24	24	25	27	27	28	28	26	27	27	26	22	23	23	22	21	22	22	22	24.2	27.9
30-Nov	A	20	19	20	18	18	18	17	15	15	16	19	20	23	24	27	26	24	22	22	21	20	19	18	20.2	26.9
--	17.3	17.4	17.2	16.9	16.7	16.3	15.7	16.2	17.8	19.6	22.4	24.8	26.4	26.5	25.4	22.8	21.9	21.0	19.7	18.7	18.7	18.1	17.7	Diurnal Average		
--	36.0	35.9	34.1	33.5	31.4	34.2	35.4	34.6	34.1	36.5	39.4	42.8	43.1	44.7	38.8	39.8	40.3	36.9	37.0	36.1	35.3	39.6	39.4	Diurnal Maximum		
C - Calibration M - Maintenance A - Automated Daily Zero Span Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 76 ppb 24-hr na																										

# Hourly Averages

Ozone (O<sub>3</sub>) - ppb

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

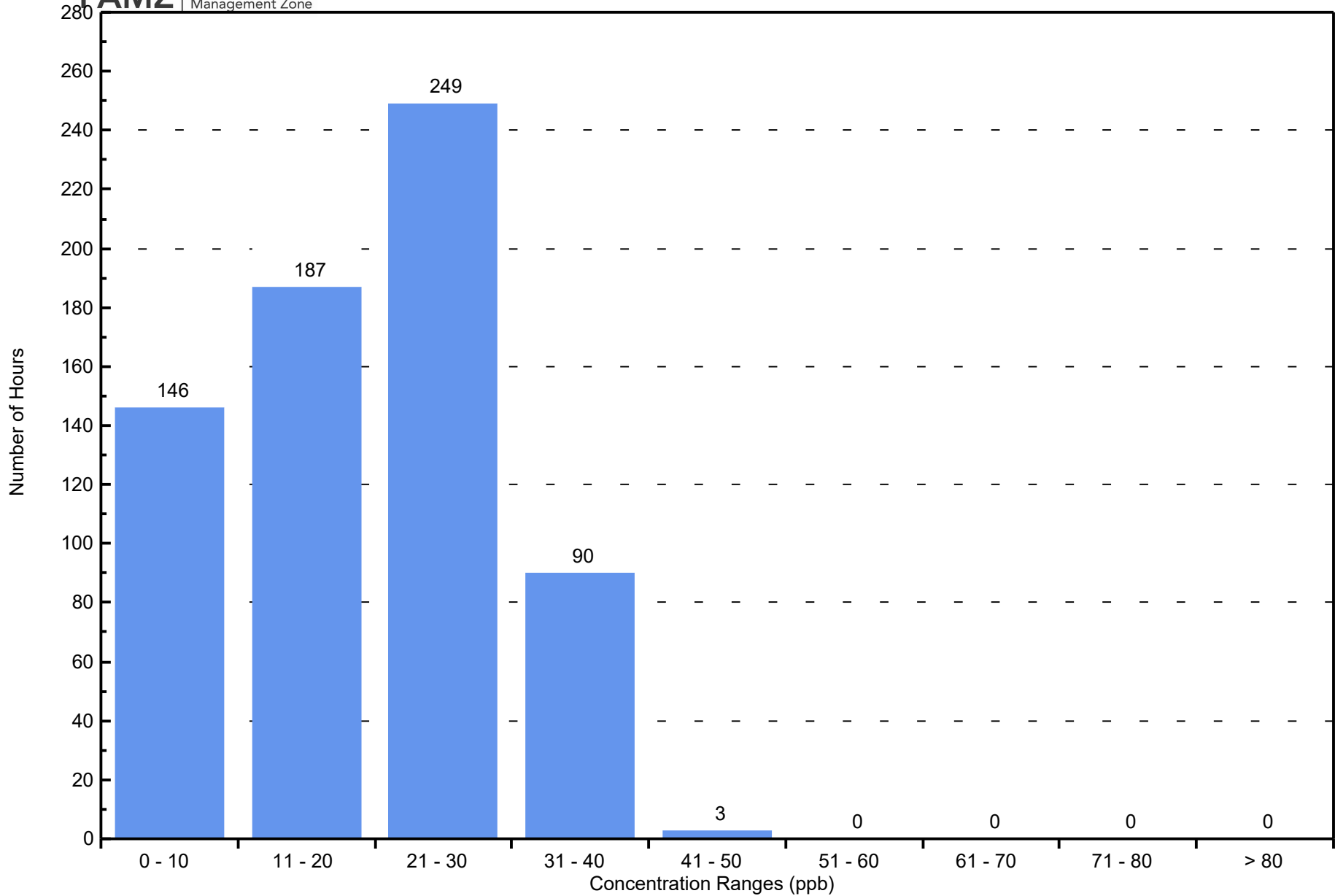




# Histogram of Hourly Averages

Ozone (O<sub>3</sub>) - ppb

Eagle Valley Community Hall - November 2024



# Hourly Averages

**PM2.5 (PM<sub>2.5</sub>) - µg/m<sup>3</sup>**

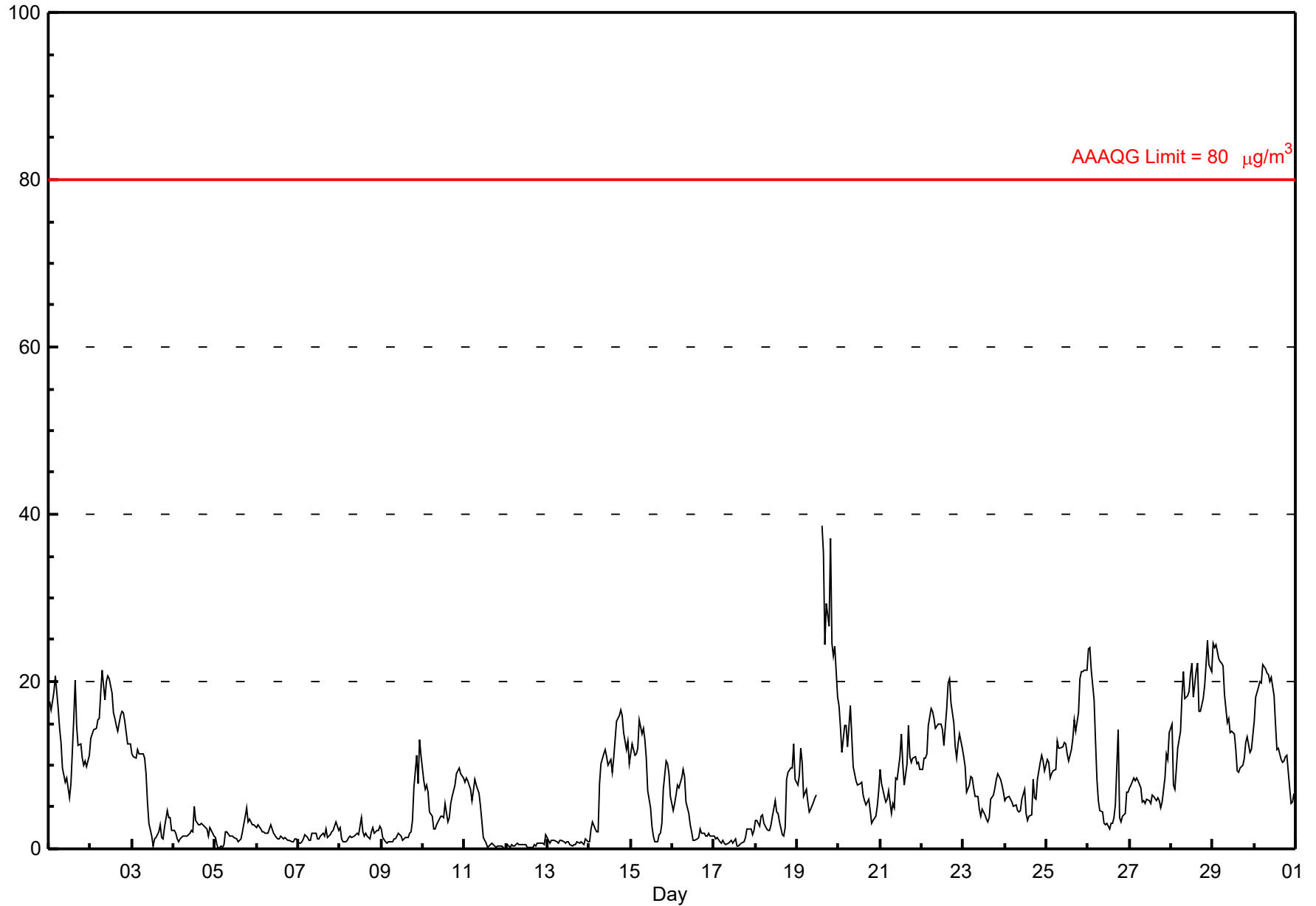
**Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024**

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 38.7 µg/m <sup>3</sup> on Nov 19 15:00      Maximum Daily Average: 17.7 µg/m <sup>3</sup> on Nov 28		Hours in Service: 720 Hours of Data: 718 Hours of Missing Data: 2 Hours of Calibration: 2 Percent Operational Time: 100.0																									
Minimum Value: 0 µg/m <sup>3</sup> on Nov 5 03:00 Maximum Diurnal Average: 8.3 µg/m <sup>3</sup> at hour 1 Monthly Average: 7.44 µg/m <sup>3</sup>		Minimum Daily Average: 0.5 µg/m <sup>3</sup> on Nov 12 Minimum Diurnal Average: 5.4 µg/m <sup>3</sup> at hour 14 Percentiles: P <sub>1</sub> = 0.2 P <sub>10</sub> = 0.8 Q <sub>1</sub> = 1.8 Median = 5.7 Q <sub>3</sub> = 11.3 P <sub>90</sub> = 16.8 P <sub>99</sub> = 24.5																									
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1-Nov	18	17	18	19	21	17	14	13	10	8	8	7	6	8	16	20	15	12	12	11	10	11	10	11	12.9	20.8	
2-Nov	13	14	14	14	15	16	19	21	18	20	21	20	19	16	16	15	14	16	17	16	15	13	13	12	16.1	21.4	
3-Nov	11	11	11	12	11	11	11	11	9	6	3	2	0	1	1	2	3	1	1	2	5	4	4	2	5.7	11.9	
4-Nov	2	2	1	1	1	1	1	1	1	2	2	2	5	3	3	3	3	3	2	2	1	3	2	2	2.2	5.1	
5-Nov	1	1	0	0	0	1	2	2	2	2	1	1	1	1	1	1	2	4	5	3	4	3	3	3	1.8	4.9	
6-Nov	3	3	2	2	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.7	2.9	
7-Nov	1	1	1	1	2	1	1	1	2	2	2	1	1	2	2	2	2	1	2	2	2	3	3	2	1.6	3.3	
8-Nov	2	1	1	1	1	1	2	1	1	2	2	2	4	2	1	2	1	1	2	3	2	2	2	3	1.8	3.7	
9-Nov	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	3	7	11	8	13	11	3.3	13.1	
10-Nov	8	7	8	7	4	4	2	2	3	4	4	4	4	5	3	4	5	6	8	9	9	10	9	8	5.7	9.6	
11-Nov	8	8	8	7	6	7	8	8	7	5	3	1	1	0	0	1	1	0	0	0	0	0	0	0	3.4	8.5	
12-Nov	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	1	1	1	1	1	2	0.5	1.7	
13-Nov	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0.8	1.2	
14-Nov	1	2	3	2	2	2	8	10	11	12	11	10	11	9	11	13	15	16	17	16	14	12	13	10	9.6	16.7	
15-Nov	11	12	11	11	12	15	14	14	13	11	7	5	3	2	1	1	2	2	3	7	10	10	9	6	8.0	15.4	
16-Nov	5	5	6	8	7	8	9	9	6	4	3	2	1	1	1	1	2	2	2	1	2	2	2	1	3.8	9.4	
17-Nov	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	2	2	2	2	2	1.2	2.4	
18-Nov	3	3	3	4	4	3	2	2	3	4	6	4	4	3	2	2	3	8	9	10	10	13	8	8	4.8	12.5	
19-Nov	8	9	12	10	6	7	6	4	5	6	6	6	C	C	39	35	24	29	27	37	25	23	24	18	16.7	38.7	
20-Nov	17	15	11	15	15	12	15	17	10	9	8	8	8	8	6	6	5	6	5	3	3	4	5	7	9.0	17.2	
21-Nov	9	8	6	6	6	7	4	5	5	8	8	11	14	10	8	10	15	11	10	11	11	10	10	9	8.9	14.8	
22-Nov	9	11	11	11	15	17	16	16	14	15	15	15	14	12	17	20	20	17	15	12	11	13	14	12	14.3	20.4	
23-Nov	11	10	7	8	9	8	7	6	6	5	4	5	4	3	3	4	6	6	7	8	9	8	8	7	6.7	11.1	
24-Nov	6	6	6	6	6	5	5	5	4	5	6	7	4	3	4	4	8	6	6	8	10	11	11	9	6.3	11.2	
25-Nov	11	10	8	9	9	9	13	12	12	12	13	12	11	11	12	13	15	14	16	20	21	21	21	21	13.7	21.3	
26-Nov	24	24	21	18	13	8	6	5	4	3	3	3	2	3	3	4	5	14	4	3	4	4	7	7	8.0	24.0	
27-Nov	7	8	9	8	9	8	7	6	6	5	6	6	5	6	6	6	6	6	5	6	9	11	11	14	7.3	13.9	
28-Nov	15	8	7	9	12	14	18	21	18	18	19	21	22	18	21	22	16	16	18	20	22	25	22	21	17.7	24.9	
29-Nov	25	24	24	23	22	22	22	18	15	16	14	14	14	12	9	9	10	10	10	11	13	12	12	14	15.7	24.6	
30-Nov	15	18	19	20	20	22	22	21	21	20	20	18	15	12	12	11	10	11	11	11	7	6	6	7	14.8	22.1	
8.3 8.0 7.8 7.9 7.8 7.8 8.0 8.0 7.0 6.9 6.6 6.5 6.1 5.4 6.8 7.1 7.2 7.3 7.4 8.3 8.2 8.0 8.3 7.8																								Dial Average			
24.6 24.1 24.5 22.8 22.4 22.2 21.9 21.4 20.9 20.0 20.7 20.8 22.2 18.2 38.7 35.4 24.5 29.3 26.6 37.2 24.5 24.9 24.2 21.3																								Dial Maximum			
C - Calibration																											
Alberta Ambient Air Quality Guidelines (AAAQG): 1-hr 80 µg/m <sup>3</sup> Alberta Ambient Air Quality Objectives (AAAQO): 24-hr 29 µg/m <sup>3</sup>																											

# Hourly Averages

PM2.5 (PM<sub>2.5</sub>) -  $\mu\text{g}/\text{m}^3$

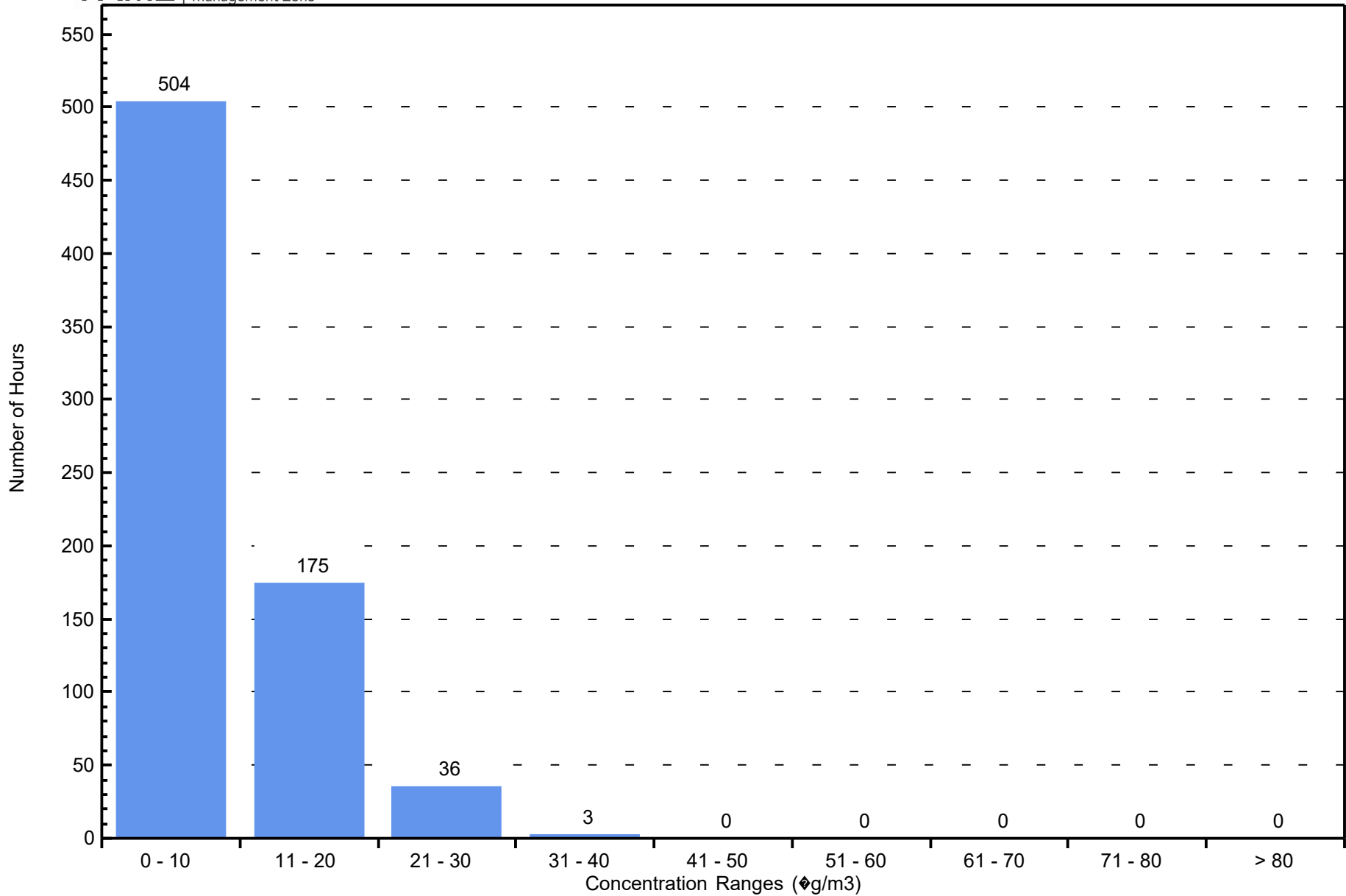
Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024



# Histogram of Hourly Averages

PM2.5 (PM<sub>2.5</sub>) - μg/m<sup>3</sup>

Eagle Valley Community Hall - November 2024



# Hourly Averages

# Total Hydrocarbons (THC) - ppm

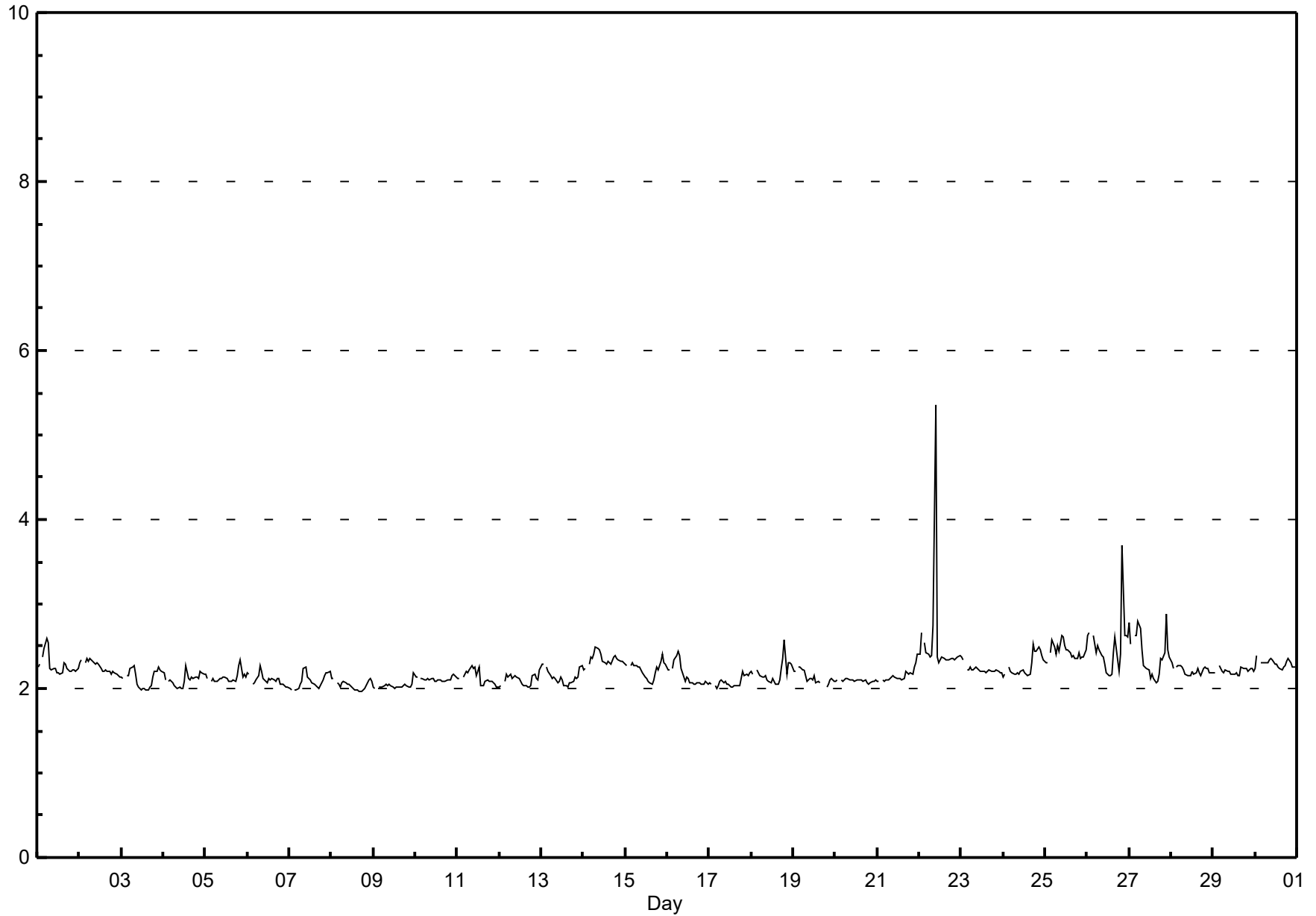
## Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 5.36 ppm on Nov 22 10:00 Maximum Daily Average: 2.53 ppm on Nov 22																		Hours in Service: 720 Hours of Data: 687 Hours of Missing Data: 33 Hours of Calibration: 33 Percent Operational Time: 100.0								
Minimum Value: 2.0 ppm on Nov 8 18:00 Minimum Daily Average: 2.03 ppm on Nov 9 Maximum Diurnal Average: 2.29 ppm at hour 10 Minimum Diurnal Average: 2.12 ppm at hour 15 Monthly Average: 2.202 ppm Percentiles: P <sub>1</sub> = 1.98 P <sub>10</sub> = 2.04 Q <sub>1</sub> = 2.09 Median = 2.17 Q <sub>3</sub> = 2.27 P <sub>90</sub> = 2.38 P <sub>99</sub> = 2.67																										
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Nov	2.2	2.3	A	2.4	2.5	2.6	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.27	2.59
2-Nov	2.3	2.3	A	2.3	2.4	2.3	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.25	2.36
3-Nov	2.1	2.1	A	2.2	2.2	2.2	2.3	2.3	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.2	2.3	2.2	2.2	2.12	2.27	
4-Nov	2.2	2.1	A	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.11	2.27	
5-Nov	2.2	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.3	2.1	2.2	2.1	2.13	2.34
6-Nov	2.2	2.2	A	2.1	2.1	2.1	2.2	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.0	2.0	2.11	2.26	
7-Nov	2.0	2.0	A	2.0	2.0	2.0	2.1	2.1	2.2	2.3	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.09	2.25	
8-Nov	2.1	2.1	A	2.1	2.0	2.0	2.1	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.04	2.12	
9-Nov	2.0	2.0	A	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.03	2.18	
10-Nov	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.11	2.16	
11-Nov	2.1	2.1	A	2.1	2.2	2.2	2.2	2.2	2.3	2.2	2.3	2.2	2.3	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.13	2.27	
12-Nov	2.0	2.0	A	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.1	2.1	2.10	2.22	
13-Nov	2.3	2.3	A	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.3	2.3	2.14	2.29	
14-Nov	2.2	2.2	A	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.3	2.3	2.3	2.35	2.49	
15-Nov	2.3	2.3	A	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.22	2.41	
16-Nov	2.2	2.2	A	2.2	2.3	2.4	2.4	2.4	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.16	2.44	
17-Nov	2.1	2.1	A	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.1	2.2	2.2	2.08	2.20	
18-Nov	2.2	2.2	A	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.2	2.4	2.6	2.2	2.3	2.3	2.19	2.58	
19-Nov	2.2	2.2	A	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	C	C	C	2.0	2.1	2.1	2.1	2.13	2.26	
20-Nov	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.09	2.12	
21-Nov	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.16	2.41	
22-Nov	2.4	2.7	A	2.5	2.4	2.4	2.4	2.4	2.7	5.4	2.4	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.4	2.4	2.53	5.36	
23-Nov	2.4	2.3	A	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.23	2.38	
24-Nov	2.1	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.5	2.4	2.4	2.5	2.5	2.4	2.3	2.27	2.53	
25-Nov	2.3	2.3	A	2.4	2.6	2.5	2.4	2.5	2.4	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.43	2.63	
26-Nov	2.6	2.7	A	2.6	2.5	2.4	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.2	2.4	2.6	2.3	2.2	2.4	3.7	2.6	2.6	2.48	3.70	
27-Nov	2.8	2.5	A	2.6	2.6	2.8	2.7	2.5	2.3	2.2	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.2	2.4	2.3	2.4	2.9	2.5	2.40	2.88	
28-Nov	2.3	2.2	A	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.21	2.30	
29-Nov	2.2	2.2	A	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.21	2.28	
30-Nov	2.2	2.4	A	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.3	2.2	2.3	2.29	2.40	
																		Diurnal Average				Diurnal Maximum				
																		2.22 2.22 -- 2.22 2.24 2.23 2.24 2.22 2.22 2.29 2.18 2.15 2.15 2.14 2.12 2.13 2.16 2.17 2.19 2.21 2.25 2.24 2.22 2.22				2.78 2.66 -- 2.63 2.63 2.80 2.71 2.51 2.74 5.36 2.62 2.51 2.45 2.45 2.42 2.42 2.61 2.53 2.44 2.58 3.70 2.88 2.62 2.61				
C - Calibration																		A - Automated Daily Zero Span								

## Hourly Averages

Total Hydrocarbons (THC) - ppm

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

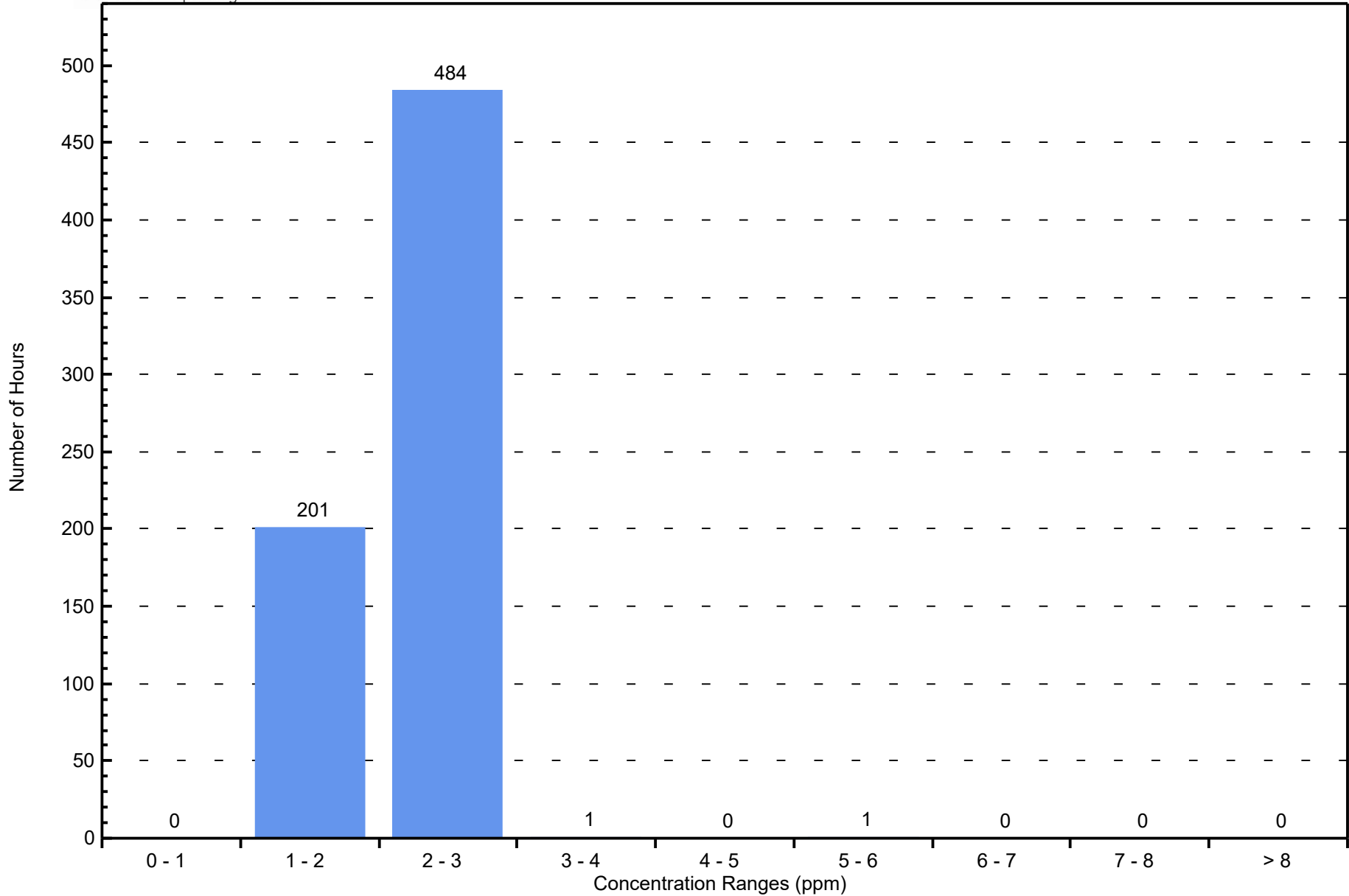




# Histogram of Hourly Averages

Total Hydrocarbons (THC) - ppm

Eagle Valley Community Hall - November 2024



# Hourly Averages

Methane (CH<sub>4</sub>) - ppm

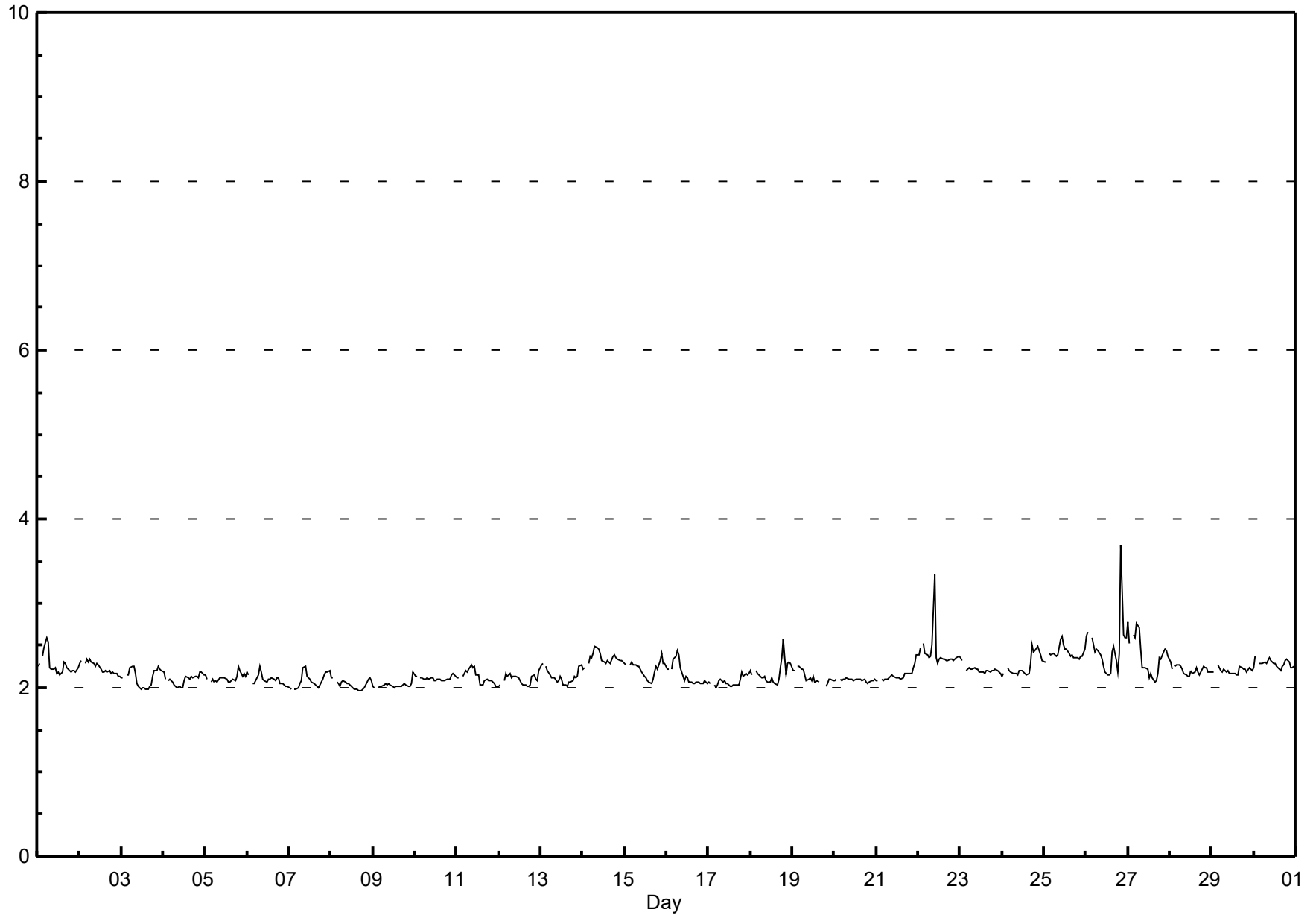
Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 3.69 ppm on Nov 26 21:00 Maximum Daily Average: 2.46 ppm on Nov 26																			Hours in Service: 720 Hours of Data: 687 Hours of Missing Data: 33 Hours of Calibration: 33 Percent Operational Time: 100.0																									
Minimum Value: 2.0 ppm on Nov 8 18:00 Minimum Daily Average: 2.03 ppm on Nov 9 Maximum Diurnal Average: 2.24 ppm at hour 21 Minimum Diurnal Average: 2.12 ppm at hour 15 Monthly Average: 2.192 ppm Percentiles: P <sub>1</sub> = 1.98 P <sub>10</sub> = 2.04 Q <sub>1</sub> = 2.09 Median = 2.17 Q <sub>3</sub> = 2.26 P <sub>90</sub> = 2.38 P <sub>99</sub> = 2.63																																												
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																				
1-Nov	2.2	2.3	A	2.4	2.5	2.6	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.27	2.59																		
2-Nov	2.3	2.3	A	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.24	2.34																		
3-Nov	2.1	2.1	A	2.1	2.1	2.2	2.3	2.3	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.2	2.3	2.2	2.2	2.12	2.26																			
4-Nov	2.2	2.1	A	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.10	2.19																			
5-Nov	2.2	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.2	2.1	2.2	2.11	2.26																			
6-Nov	2.2	2.2	A	2.0	2.1	2.1	2.2	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.0	2.0	2.10	2.25																			
7-Nov	2.0	2.0	A	2.0	2.0	2.0	2.1	2.1	2.2	2.3	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.09	2.25																			
8-Nov	2.1	2.1	A	2.1	2.0	2.0	2.1	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.04	2.12																			
9-Nov	2.0	2.0	A	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.03	2.18																			
10-Nov	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.11	2.16																			
11-Nov	2.1	2.1	A	2.1	2.2	2.2	2.2	2.2	2.3	2.2	2.3	2.2	2.2	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.12	2.27																			
12-Nov	2.0	2.0	A	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.1	2.1	2.10	2.21																			
13-Nov	2.3	2.3	A	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.14	2.28																			
14-Nov	2.2	2.2	A	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.3	2.3	2.3	2.35	2.49																			
15-Nov	2.3	2.3	A	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.4	2.3	2.22	2.41																			
16-Nov	2.2	2.2	A	2.2	2.3	2.4	2.4	2.4	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.16	2.43																			
17-Nov	2.1	2.1	A	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.1	2.2	2.2	2.08	2.19																			
18-Nov	2.2	2.2	A	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.2	2.4	2.6	2.2	2.3	2.3	2.18	2.58																			
19-Nov	2.2	2.2	A	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	C	C	C	2.0	2.1	2.1	2.1	2.13	2.26																			
20-Nov	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.09	2.12																			
21-Nov	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.15	2.39																			
22-Nov	2.4	2.5	A	2.5	2.4	2.4	2.4	2.4	2.5	3.3	2.4	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.41	3.33																			
23-Nov	2.4	2.3	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.22	2.36																			
24-Nov	2.1	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.5	2.4	2.4	2.5	2.4	2.4	2.3	2.26	2.51																			
25-Nov	2.3	2.3	A	2.4	2.4	2.4	2.4	2.4	2.4	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.41	2.61																			
26-Nov	2.6	2.7	A	2.6	2.5	2.4	2.5	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.2	2.4	2.5	2.3	2.2	2.4	3.7	2.6	2.6	2.46	3.69																			
27-Nov	2.8	2.5	A	2.6	2.6	2.8	2.7	2.5	2.2	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1	2.2	2.4	2.3	2.4	2.5	2.4	2.37	2.78																			
28-Nov	2.3	2.2	A	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.21	2.30																			
29-Nov	2.2	2.2	A	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.20	2.27																			
30-Nov	2.2	2.4	A	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.2	2.3	2.29	2.37																			
																			Diurnal Average				Diurnal Maximum																					
																			2.22	2.21	--	2.22	2.22	2.23	2.23	2.22	2.20	2.22	2.18	2.15	2.15	2.13	2.12	2.13	2.15	2.16	2.18	2.21	2.24	2.22	2.21	2.22		
																			2.78	2.66	--	2.63	2.59	2.77	2.71	2.49	2.51	3.33	2.61	2.51	2.45	2.45	2.41	2.42	2.49	2.51	2.42	2.58	3.69	2.63	2.59	2.59		
C - Calibration																			A - Automated Daily Zero Span																									

# Hourly Averages

Methane (CH<sub>4</sub>) - ppm

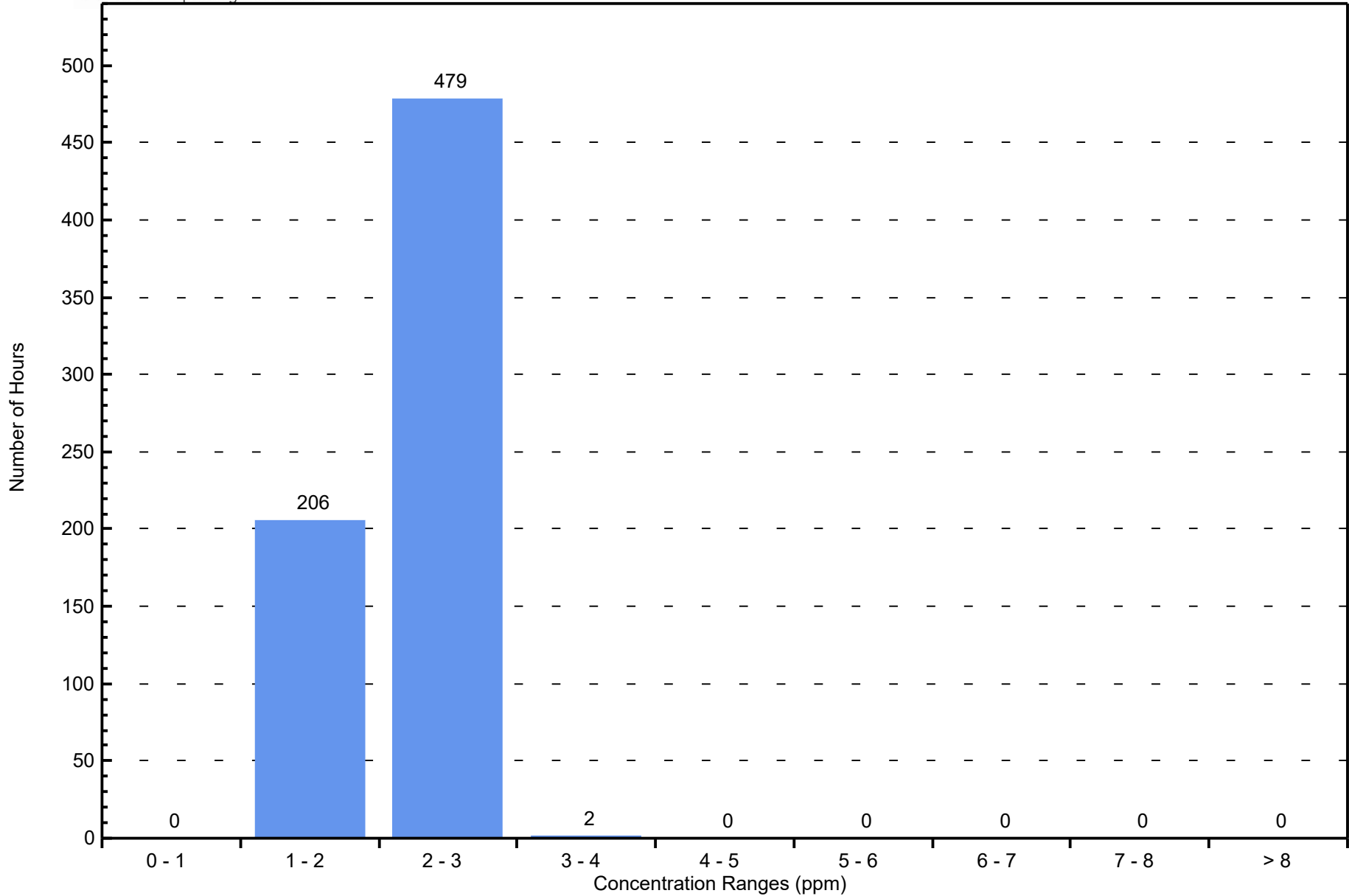
Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024



# Histogram of Hourly Averages

Methane (CH<sub>4</sub>) - ppm

Eagle Valley Community Hall - November 2024



# Hourly Averages

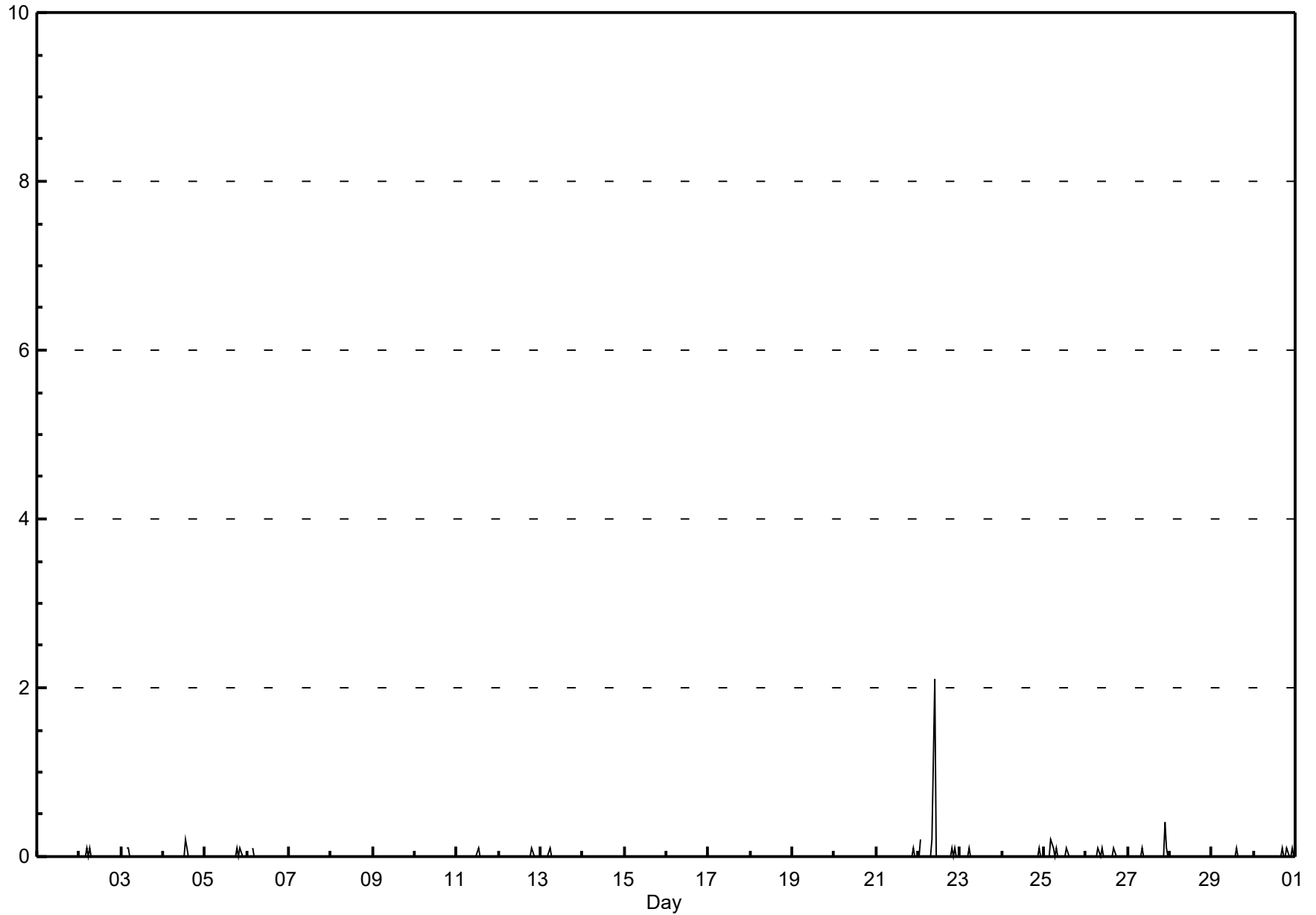
## Non Methane Hydrocarbon (NMHC) - ppm

### Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 2.10 ppm on Nov 22 10:00      Maximum Daily Average: 0.12 ppm on Nov 22		Hours in Service: 720 Hours of Data: 687 Hours of Missing Data: 33 Hours of Calibration: 33 Percent Operational Time: 100.0																										
Minimum Value: 0.0 ppm on Nov 1 01:00 Maximum Diurnal Average: 0.07 ppm at hour 10 Monthly Average: 0.009 ppm		Minimum Daily Average: 0.00 ppm on Nov 1 Minimum Diurnal Average: 0.00 ppm at hour 1 Percentiles: P <sub>1</sub> = 0.00 P <sub>10</sub> = 0.00 Q <sub>1</sub> = 0.00 Median = 0.00 Q <sub>3</sub> = 0.00 P <sub>90</sub> = 0.00 P <sub>99</sub> = 0.10																										
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
2-Nov	0.0	0.0	A	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10		
3-Nov	0.0	0.0	A	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10		
4-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.20		
5-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.01	0.10		
6-Nov	0.0	0.0	A	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10		
7-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
8-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
9-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
10-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
11-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10		
12-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.00	0.10		
13-Nov	0.0	0.0	A	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10		
14-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
15-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
16-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
17-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
18-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
19-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
20-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C	C	C	0.0	0.0	0.0	0.0	0.00	0.00		
21-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.00	0.10		
22-Nov	0.0	0.2	A	0.0	0.0	0.0	0.0	0.0	0.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.12	2.10		
23-Nov	0.0	0.0	A	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10		
24-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.10		
25-Nov	0.0	0.0	A	0.0	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.20		
26-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10		
27-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.03	0.40		
28-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00		
29-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10		
30-Nov	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.01	0.10		
		0.00	0.01	--	0.01	0.01	0.01	0.00	0.01	0.01	0.07	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.02	0.01	0.00	Diurnal Average		
		0.00	0.20	--	0.10	0.20	0.10	0.10	0.10	0.10	0.20	2.10	0.00	0.00	0.10	0.20	0.10	0.00	0.10	0.00	0.10	0.10	0.10	0.40	0.10	0.00	Diurnal Maximum	
C - Calibration		A - Automated Daily Zero Span																										

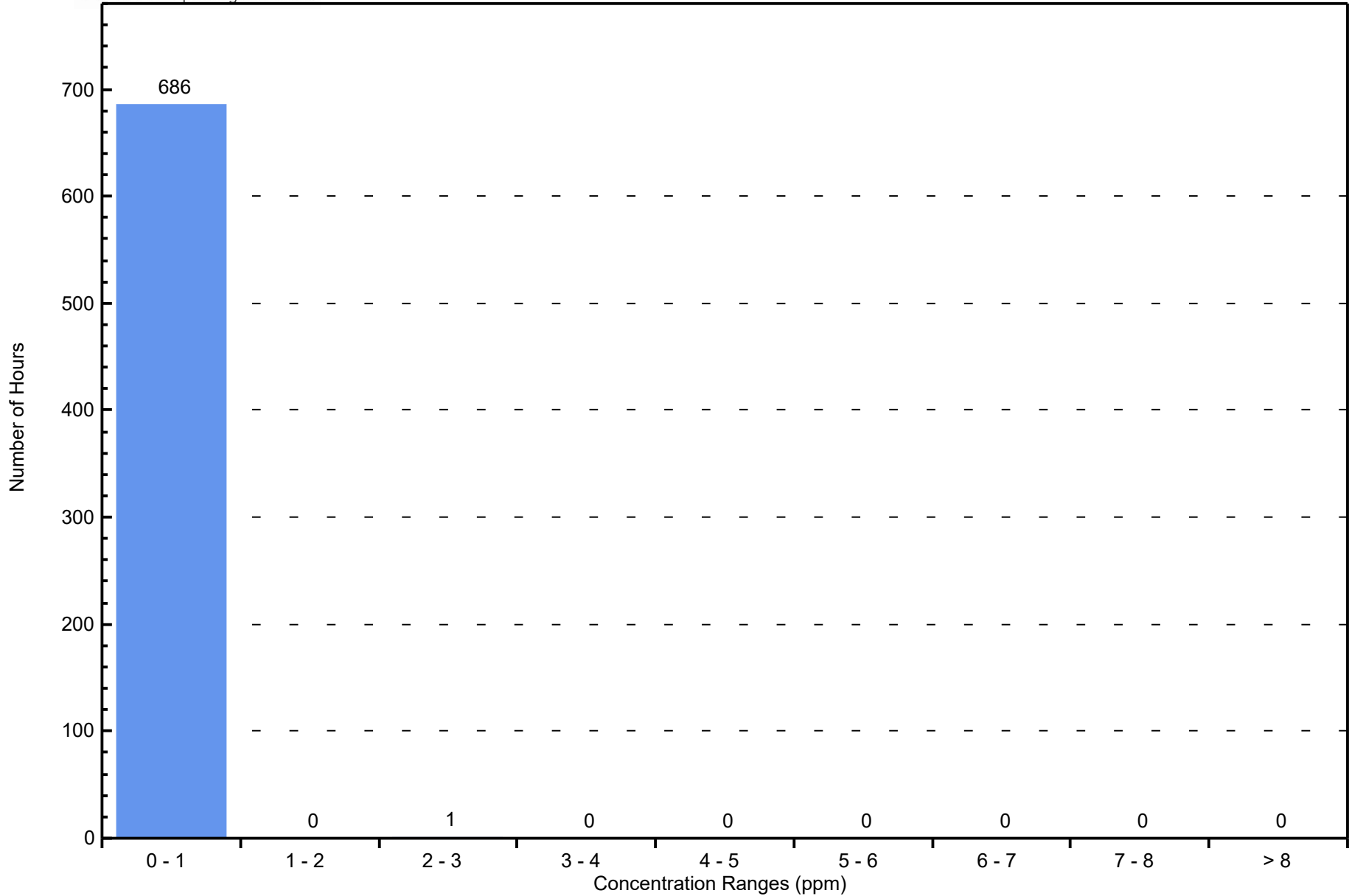
# Hourly Averages      Non Methane Hydrocarbon (NMHC) - ppm

## Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024





# Non Methane Hydrocarbon (NMHC) - ppm Histogram of Hourly Averages Eagle Valley Community Hall - November 2024



# Hourly Averages

Wind Speed (km/h)

Wind Direction (deg)

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Maximum Speed: 20 km/h on Nov 17 12:00	Maximum Daily Speed Average: 7 km/h on Nov 17	Hours in Service: 720
Minimum Speed Value: 0 km/h on Nov 22 12:00	Minimum Daily Speed Average: 0 km/h on Nov 25	Hours of Data: 682
Maximum Diurnal Speed Average: 2 km/h at hour 2	Minimum Diurnal Speed Average: 0 km/h at hour 17	Hours of Missing Data: 38
Monthly Average Velocity: 1.4 km/h 213.3 deg	Percentiles: P <sub>1</sub> = 0.4 P <sub>10</sub> = 1.1 Q <sub>1</sub> = 1.9 Median = 3.4 Q <sub>3</sub> = 5.5 P <sub>90</sub> = 8.5 P <sub>99</sub> = 16.1	Percent Operational Time: 94.7

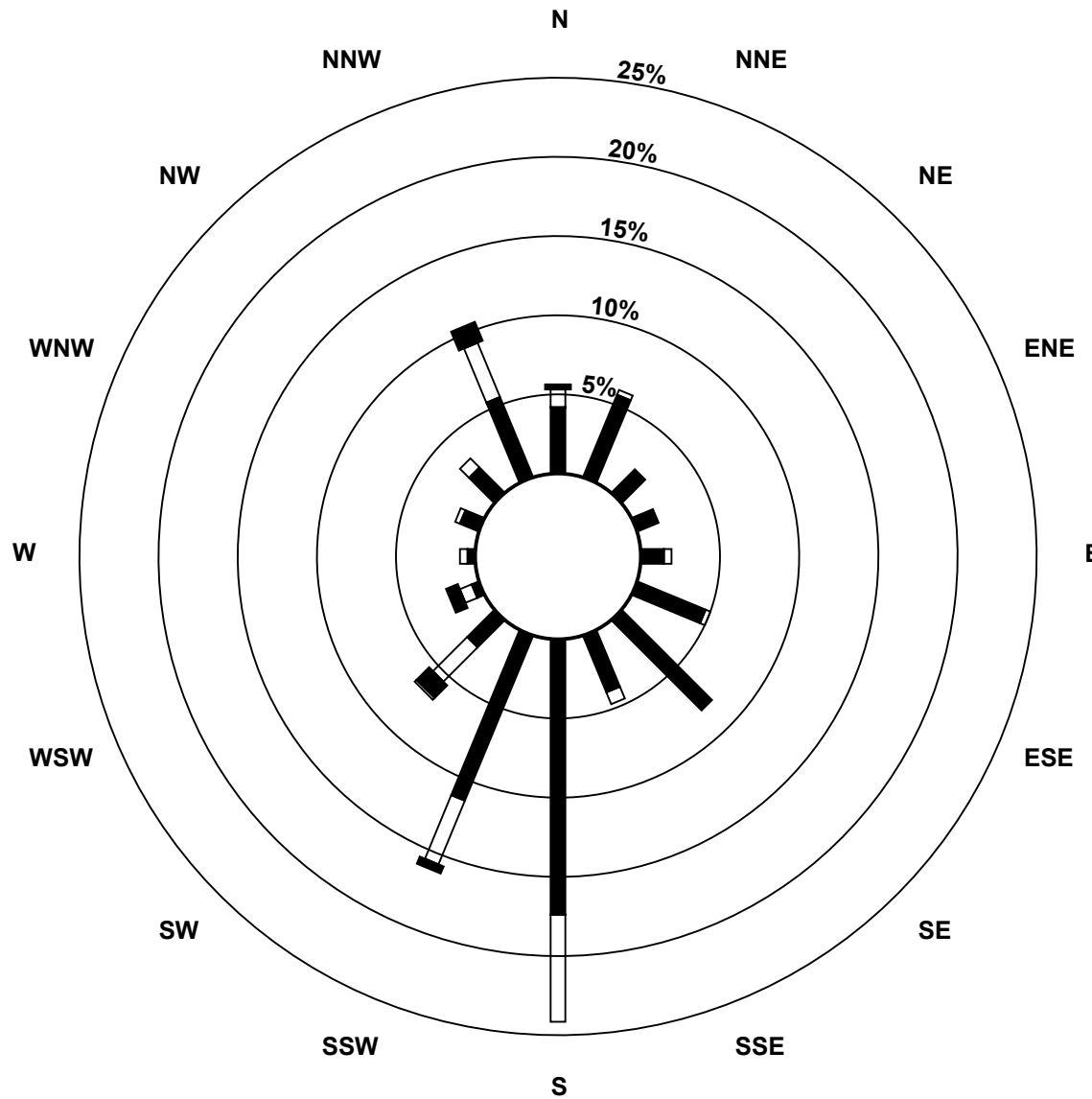
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1-Nov	1NNE	1W	1SW	1S	2SW	3SSW	3SSW	4SSW	3SSW	3S	2S	2S	3ENE	6E	3ESE	3SE	2ESE	2SE	3SE	2SE	1SE	2SE	3SE	1ESE	2SSE	6E		
2-Nov	1SE	2SE	1SE	N	1NNW	2NNW	3N	3NNE	3NNE	3NNW	4N	3NNW	4N	5N	6N	6N	6NNE	6N	4NNW	4NNW	3NNW	5NNW	4NNW	4NNW	3N	6NNE		
3-Nov	4NNW	4NNW	3NW	3W	2S	3SSW	3SSW	3S	5S	5S	4SSW	3S	2SSE	2SE	2ENE	3ENE	1SSE	2SSW	4S	4S	2S	1N	3SSW	4S	2SSW	5S		
4-Nov	4S	6S	4S	4S	3SSW	4SSW	4SSW	5SSW	5SSW	6S	5SSW	2SSW	2NE	4NNE	4NNE	4N	4N	3NNW	3NW	3NW	6NW	5WNW	7WNW	5WNW	1WSW	7WNW		
5-Nov	5W	7NW	9NW	12NNW	9NNW	11NNW	13NNW	12NNW	14NNW	14NNW	13NNW	14NNW	13NNW	11NNW	7NNW	5NW	5WNW	5WNW	2S	5S	7S	5SSW	4SSW	3SSW	6NW	14NNW		
6-Nov	5S	6S	5SSW	5SSW	5SSW	4SSW	5SSW	5SSW	5S	4S	5S	5SSW	5S	3S	4S	4SSW	5SSW	4SSW	8SSW	9SW	5S	4SW	6SW	8SW	5SSW	9SW		
7-Nov	10WSW	19W	16WSW	13SW	10SW	5SW	1NE	3S	2S	2S	4S	3S	3S	6S	6SSW	5SW	8SW	8WSW	7SSW	2SSW	3S	7S	6S	6S	6SW	19WSW		
8-Nov	4S	6SSW	4SSW	6S	7S	4SW	9S	7S	3S	4S	7S	12SW	17SW	14SW	13SSW	7SSW	9SW	9SW	8SSW	1WSW	2S	1SW	1SSE	6NNW	6SSW	17SW		
9-Nov	15N	13N	11N	10NNE	5NW	7WNW	9W	7W	1S	3S	1SSE	3E	6ESE	5E	7E	6E	3E	2ESE	4ESE	3ESE	3ESE	2ESE	1E	2ENE	2NNE	15N		
10-Nov	2NW	3NNW	3NW	5NNW	4NNW	3NNW	3NNW	1WNW	1SW	5SSW	6SSW	6S	4SSE	4SE	5SSE	6SSE	4SSE	5SSE	8SSE	8SSE	9S	10SSE	10S	11S	3S	11S		
11-Nov	7S	8S	7S	6S	6S	6SSW	7SSW	6S	5SSW	5S	4S	3SSW	5S	10SSE	9S	7S	4SSW	4SSW	6SW	4SSW	9W	12WSW	13WSW	10WSW	6SSW	13WSW		
12-Nov	11WSW	7SW	2WSW	2SSW	2SW	3SW	2S	5SSW	10SSW	7SSW	8S	6SSW	6S	11SW	11SW	11SW	8SW	8SW	8SW	6SSW	1S	5WSW	1SSE	0ENE	5SW	11SW		
13-Nov	3SSW	5S	6S	5SSW	6SSW	7SSW	6SSW	6SSW	4SSW	6S	3S	5S	5S	7S	8S	7S	4S	6S	6S	6S	7SW	8WSW	2NNE	4N	5SSW	8S		
14-Nov	1W	2WNW	1E	1SW	2SSW	1SSW	1S	1SW	2S	1ESE	0ENE	1NE	0NE	2NNE	3NNE	4NE	4NNE	4NNE	3NE	2ENE	2E	1ESE	1S	2S	1NE	4NNE		
15-Nov	1SSE	1SSE	1ESE	2N	3N	3NNW	5NNW	2NNW	N	1NNW	4NNW	4NNW	5N	5NNE	4NNE	4NE	2NNE	1W	1NE	1NNW	2NNE	3SSW	7S	6S	1N	7S		
16-Nov	5SSW	4S	3SSW	1SSE	N	2S	2S	3SSW	3SSW	4SSW	5S	5S	5S	5SSE	5S	5S	6S	9SSW	9SSW	6S	7SSW	7SSW	6SSW	6SSW	5SSW	9SSW		
17-Nov	6SSW	9SSW	1SW	6SW	9SW	5SSW	10SW	15SSW	13SSW	11SSW	16SW	20SW	19SW	18SW	19WSW	10N	8N	3NNW	1SSW	2SSW	5SSW	7S	7S	0SSE	7SW	20SW		
18-Nov	1NNW	2SSW	1SE	1NE	1NW	N	3N	2N	1N	3NNE	3NNE	2NE	2ENE	N	N	N	N	N	N	N	N	N	N	N	N	---	3N	
19-Nov	N	N	N	N	N	N	N	N	N	N	N	N	2SSE	1E	5E	5E	5E	4ESE	1SSE	2SE	2SSE	2S	3ESE	3ESE	3ESE	2SSE	---	5E
20-Nov	3SSE	1SSE	2SSE	2SE	2SE	2SE	2ESE	4ESE	2SE	3SE	2ESE	2SE	2SE	2SE	3SE	2SE	2SE	2SE	3SE	1SE	7ESE	4ESE	0NE	2SE	7ESE	7ESE		
21-Nov	3ESE	2ESE	2ESE	1ESE	1NNW	1N	0NNW	4N	2NNE	2NNE	3NNE	3NNE	3NNE	3NNE	3N	2NNE	2NNE	1NNE	1NE	N	0ESE	N	N	1S	1NNE	4N		
22-Nov	2S	2S	2SSW	3S	3S	1SSW	1S	1S	1S	0SSW	1SSW	0NNE	1E	4E	3ESE	3ESE	2SE	3SE	2SE	2SE	3SE	2SE	2SE	2SE	2SE	2SE	4E	
23-Nov	4SE	2SE	3SE	3SE	2SE	2SE	2SE	2ESE	3NE	3NE	3N	4N	6N	5N	7NNW	7NNW	9NNW	11NNW	11NNW	10NNW	10NNW	10NNW	10NNW	9NNW	4NNW	11NNW		
24-Nov	10NNW	7NNW	8NNW	6NW	9NW	8NNW	7NW	7NW	5NW	5NW	5NNW	5NNW	4N	3NNE	3NE	2NE	0NE	1SSW	3S	7S	4S	3S	4S	4S	3NW	10NNW		
25-Nov	4S	3SSW	3SSW	3S	1SSE	1SE	1NNW	1SE	1NNE	1E	2NNE	1N	2N	2N	3NNE	3ENE	3NE	N	N	0S	N	3S	4SSW	5S	0SSE	5S		
26-Nov	5SSW	5SSW	4SSW	4S	4S	3S	5S	4S	5S	3S	3S	4S	4S	6S	4S	1SW	N	2NNW	5NW	3NNW	1S	3NW	2NNW	2S	3SSW	6S		
27-Nov	1SW	3S	2S	4S	3S	2S	3S	3S	N	1SSW	N	2S	1ESE	5ENE	5NNE	2NNE	2SW	1S	2SSW	2S	4S	2S	1WSW	2S	1S	5NNE		
28-Nov	2S	2S	N	0S	N	0SW	1ESE	1ESE	1SSE	2S	2SSW	2SW	1SSW	1SSE	0SSE	1SSE	1SE	1S	1S	1S	1SE	2ESE	2ESE	1SE	1SSE	2ESE		
29-Nov	2SSE	2SSE	1SSE	1SE	1SSE	1SSE	1SSE	2SE	3ESE	2SE	2SE	2SE	2SE	2SE	2SE	2SE	2SSE	2S	3S	1SSW	0SSW	1S	1SSW	1N	1SSE	3S		
30-Nov	1N	1NNE	N	N	2NNW	3NW	2WNW	1NW	1SW	0SSW	2S	2NE	4NE	5NNE	4NNE	4NNE	3NNE	3NNW	3NNW	5N	4N	8NNW	7NNW	5NNW	3N	8NNW		
1SW 2SW 2SW 1SW 2SW 1WSW 2WSW 2SSW 2SSW 2SSW 2SSW 2SW 1SSW 1S 1S 1ESE 0SW 1SW 2SSW 2SSW 2SSW 2SW 2SSW 2SW																								Diurnal Average				
15N 19WSW 16WSW 13SW 10SW 11NNW 13NNW 15SSW 14NNW 14NNW 16SW 20SW 19SW 18SW 19WSW 11SW 9SW 11NNW 11NNW 10NNW 10NNW 12WSW 13WSW 11S																								Diurnal Maximum				

N - Not Valid  
 All monthly, daily, and diurnal averages have been calculated using vector methods

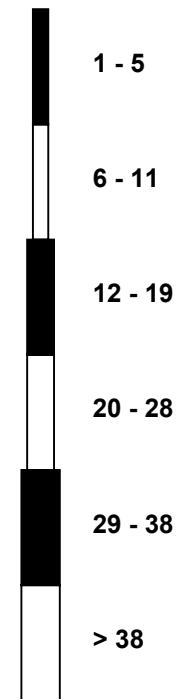
# Wind Rose

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Wind Speed (WS) (km/h)



Wind Speed Classes (km/h)



# Hourly Standard Deviations

Wind Direction (WD) - deg

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Maximum Value: 93.6 deg on Nov 12 21:00																		Hours in Service: 720																																																																																																																																									
Minimum Value: 4.2 deg on Nov 26 01:00																		Hours of Data: 682																																																																																																																																									
Percentiles: P <sub>1</sub> = 4.9 P <sub>10</sub> = 6.8 Q <sub>1</sub> = 9.9 Median = 17.1 Q <sub>3</sub> = 38.8 P <sub>90</sub> = 65.8 P <sub>99</sub> = 89.6																		Hours of Missing Data: 38																																																																																																																																									
																		Hours of Calibration: 0																																																																																																																																									
																		Percent Operational Time: 94.7																																																																																																																																									
Day	Hourly Period Ending At (MST)																								Daily Maximum																																																																																																																																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																																																																																																																			
1-Nov	42	69	66	83	58	22	19	27	22	20	39	55	61	21	26	16	38	12	12	27	40	53	18	46	82.7																																																																																																																																		
2-Nov	65	31	68	N	26	25	19	10	16	21	22	44	27	13	10	17	11	8	16	10	13	10	15	17	68.0																																																																																																																																		
3-Nov	11	15	20	22	29	13	23	11	9	7	17	42	37	56	57	23	85	47	8	14	39	80	11	14	84.7																																																																																																																																		
4-Nov	7	5	7	8	19	8	5	6	4	6	10	64	21	20	7	15	11	29	36	18	19	9	9	14	63.8																																																																																																																																		
5-Nov	8	11	7	7	8	8	7	7	6	6	6	6	7	7	12	12	7	7	37	10	7	12	9	6	36.7																																																																																																																																		
6-Nov	8	6	7	6	7	6	10	11	14	17	8	15	9	11	7	14	7	6	10	21	15	17	7	16	21.4																																																																																																																																		
7-Nov	8	7	10	7	15	30	58	37	81	40	13	39	34	7	13	15	7	7	25	72	26	9	6	10	81.2																																																																																																																																		
8-Nov	46	23	41	13	10	19	6	10	32	42	7	16	6	7	15	13	16	5	25	87	73	74	94	84	93.5																																																																																																																																		
9-Nov	6	7	6	6	28	11	6	21	65	26	68	22	11	20	11	9	12	25	14	16	31	37	38	34	67.7																																																																																																																																		
10-Nov	26	22	17	8	12	17	14	42	70	22	18	15	14	14	10	10	11	11	6	5	6	6	5	6	70.0																																																																																																																																		
11-Nov	7	6	7	8	16	8	12	8	9	12	22	17	28	7	8	8	22	29	44	47	66	9	6	6	65.7																																																																																																																																		
12-Nov	10	24	82	59	64	32	57	19	14	7	6	16	13	22	12	6	8	6	6	14	94	31	60	89	93.6																																																																																																																																		
13-Nov	16	18	19	11	8	8	11	20	11	8	70	12	11	7	7	7	21	10	10	11	20	10	49	24	69.6																																																																																																																																		
14-Nov	85	70	89	85	62	73	72	74	41	80	79	54	60	16	13	8	23	13	15	41	21	65	90	62	90.0																																																																																																																																		
15-Nov	64	59	72	31	23	15	12	28	N	46	14	17	15	21	22	14	43	57	84	40	47	44	6	6	84.0																																																																																																																																		
16-Nov	10	13	20	44	N	17	27	15	8	10	8	10	15	9	11	8	9	14	8	16	13	11	11	7	43.8																																																																																																																																		
17-Nov	6	13	90	12	21	34	13	7	6	11	7	6	10	10	16	28	18	31	85	64	11	5	7	90	89.9																																																																																																																																		
18-Nov	47	31	90	86	56	N	7	12	13	14	9	16	33	N	N	N	N	N	N	N	N	N	N	N	89.5																																																																																																																																		
19-Nov	N	N	N	N	N	N	N	N	N	N	60	92	11	11	19	19	57	50	38	57	39	11	18	33	91.7																																																																																																																																		
20-Nov	16	67	17	20	35	24	34	16	33	24	32	38	30	20	26	35	34	51	35	33	43	10	32	85	85.2																																																																																																																																		
21-Nov	25	31	41	44	55	30	19	21	54	11	12	12	17	19	15	19	19	21	15	N	85	N	N	56	84.7																																																																																																																																		
22-Nov	49	40	55	27	35	67	69	76	59	76	71	63	91	16	18	16	23	22	26	25	23	17	21	90.6																																																																																																																																			
23-Nov	18	31	34	23	27	30	44	32	25	16	14	16	12	11	8	7	8	5	6	7	6	6	6	9	43.6																																																																																																																																		
24-Nov	9	7	8	13	7	7	5	5	6	11	12	11	15	9	7	18	67	75	61	6	8	14	9	11	74.7																																																																																																																																		
25-Nov	10	11	11	35	47	69	88	74	66	68	31	44	17	15	15	17	11	N	N	84	N	9	8	8	87.8																																																																																																																																		
26-Nov	4	8	11	6	8	11	5	5	10	13	39	7	6	5	26	75	N	26	18	28	65	55	58	37	74.7																																																																																																																																		
27-Nov	60	10	17	7	12	68	10	13	N	51	N	17	40	17	9	21	55	64	30	9	4	52	81	22	80.6																																																																																																																																		
28-Nov	31	26	N	92	N	79	71	52	57	41	18	20	64	59	82	76	45	39	46	51	53	27	44	49	92.1																																																																																																																																		
29-Nov	30	33	38	67	41	71	69	56	26	21	31	34	28	27	32	25	26	27	24	51	85	76	66	64	84.8																																																																																																																																		
30-Nov	28	42	N	N	16	14	15	31	59	86	59	50	10	13	10	7	13	14	11	11	11	9	9	10	86.2																																																																																																																																		
85.0																		69.7						89.9						92.1						63.8						78.7						87.8						76.0						81.2						86.2						79.4						91.7						90.6						58.8						81.5						76.1						84.7						74.7						84.5						87.2						93.6						79.9						93.5						89.6					
N - Not Valid																																																																																																																																																											

# Hourly Averages

External Temperature (ET) - °C

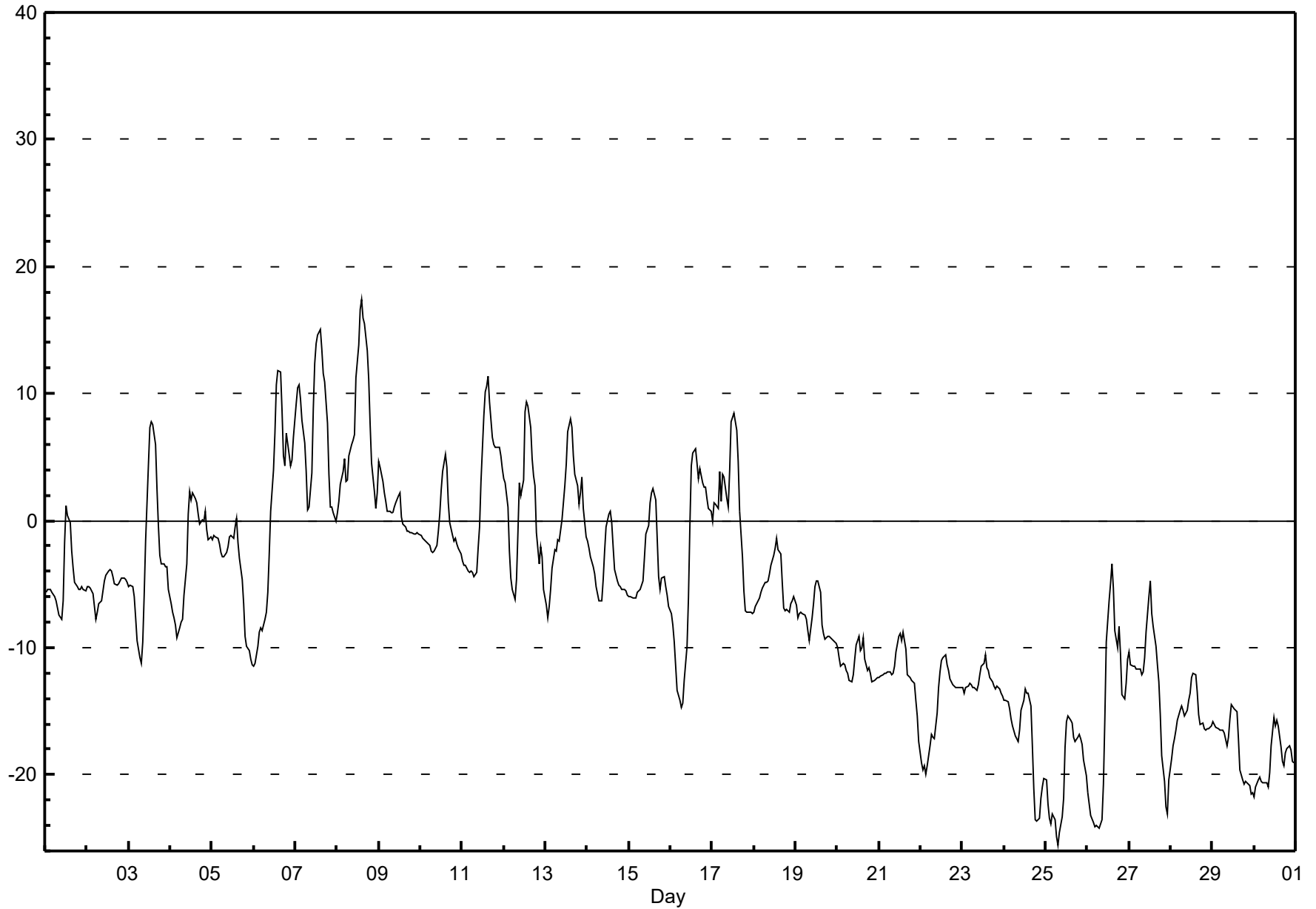
Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0		Hours in Service: 720																								
Maximum Value: 17.4 °C on Nov 8 15:00		Maximum Daily Average: 7.4 °C on Nov 7																								
Minimum Value: -26 °C on Nov 25 08:00		Hours of Data: 720																								
Maximum Diurnal Average: -1.2 °C at hour 15		Hours of Missing Data: 0																								
Monthly Average: -6.35 °C		Hours of Calibration: 0																								
Minimum Daily Average: -20.0 °C on Nov 25		Percent Operational Time: 100.0																								
Minimum Diurnal Average: -9.0 °C at hour 8																										
Percentiles: P <sub>1</sub> = -23.8 P <sub>10</sub> = -17.7 Q <sub>1</sub> = -12.7 Median = -5.8 Q <sub>3</sub> = -0.3 P <sub>90</sub> = 4.6 P <sub>99</sub> = 13.8																										
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Nov	-6	-5	-5	-5	-6	-6	-6	-7	-7	-8	-6	-2	1	0	0	-2	-4	-5	-5	-5	-5	-5	-5	-5	-4.6	1.2
2-Nov	-5	-5	-5	-6	-7	-8	-7	-7	-6	-6	-5	-4	-4	-4	-4	-4	-5	-5	-5	-5	-5	-5	-5	-5	-5.2	-3.9
3-Nov	-5	-5	-5	-6	-8	-9	-11	-11	-10	-6	-2	4	7	8	8	6	3	0	-3	-3	-3	-4	-4	-5	-2.7	7.8
4-Nov	-7	-7	-8	-8	-9	-8	-8	-8	-6	-3	0	2	2	2	2	1	0	0	0	0	1	-1	-1	-1	-2.7	2.3
5-Nov	-2	-1	-1	-1	-2	-3	-3	-3	-3	-2	-1	-1	-1	-1	0	-2	-3	-5	-7	-9	-10	-10	-11	-11	-3.8	0.1
6-Nov	-11	-11	-10	-9	-8	-9	-8	-7	-6	-3	1	4	7	11	12	12	9	5	4	7	5	4	5	7	0.4	11.8
7-Nov	9	10	11	10	8	6	4	1	1	4	9	12	14	15	15	14	12	11	8	4	1	1	1	0	7.4	15.0
8-Nov	1	2	3	4	5	3	3	5	6	6	7	11	14	17	17	16	16	13	11	8	5	2	1	2	7.4	17.4
9-Nov	5	4	3	2	2	1	1	1	1	1	1	2	2	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0.7	4.7
10-Nov	-1	-1	-1	-2	-2	-2	-2	-3	-2	-2	-1	1	2	4	5	4	1	0	-1	-2	-1	-2	-2	-3	-0.5	5.2
11-Nov	-3	-4	-4	-4	-4	-4	-4	-4	-4	-2	0	3	8	10	11	11	9	7	6	6	6	6	5	4	2.3	11.4
12-Nov	3	3	1	-2	-4	-5	-6	-5	-1	3	2	3	9	9	9	7	5	3	3	-1	-3	-2	-3	-5	0.9	9.3
13-Nov	-7	-8	-7	-5	-4	-2	-2	-2	-2	0	1	3	4	7	8	7	5	4	3	1	2	3	1	-1	0.5	8.0
14-Nov	-2	-2	-3	-4	-4	-5	-6	-6	-6	-5	-2	-1	0	1	0	-2	-4	-5	-5	-5	-5	-5	-5	-6	-3.6	0.8
15-Nov	-6	-6	-6	-6	-6	-6	-5	-5	-5	-3	-1	0	1	2	2	2	-1	-4	-5	-4	-4	-5	-6	-7	-3.6	2.5
16-Nov	-7	-8	-10	-12	-13	-14	-15	-14	-13	-10	-6	0	4	5	6	5	3	4	3	3	3	2	1	1	-3.5	5.6
17-Nov	0	1	1	1	4	2	4	3	2	1	4	8	8	8	7	5	1	-3	-5	-7	-7	-7	-7	-7	0.6	8.5
18-Nov	-7	-7	-6	-6	-6	-5	-5	-5	-5	-4	-4	-3	-2	-1	-2	-3	-5	-7	-7	-7	-7	-6	-6	-6	-5.1	-1.4
19-Nov	-7	-8	-7	-7	-7	-7	-7	-8	-9	-8	-6	-5	-5	-5	-6	-8	-9	-9	-9	-9	-9	-9	-9	-10	-7.8	-4.8
20-Nov	-10	-11	-11	-11	-11	-12	-12	-13	-13	-12	-11	-10	-9	-10	-10	-9	-11	-12	-12	-12	-13	-13	-12	-12	-11.3	-9.1
21-Nov	-12	-12	-12	-12	-12	-12	-12	-12	-12	-11	-10	-9	-9	-9	-9	-10	-12	-12	-12	-13	-13	-14	-15	-17	-11.9	-8.8
22-Nov	-19	-20	-19	-20	-19	-18	-17	-17	-17	-15	-13	-12	-11	-11	-11	-11	-12	-12	-13	-13	-13	-13	-13	-13	-14.7	-10.5
23-Nov	-13	-14	-13	-13	-13	-13	-13	-13	-13	-13	-12	-11	-11	-11	-12	-12	-12	-13	-13	-13	-13	-13	-14	-14	-12.7	-10.6
24-Nov	-14	-14	-14	-15	-16	-16	-17	-17	-17	-17	-15	-14	-13	-14	-14	-15	-18	-21	-24	-24	-23	-22	-21	-20	-17.2	-13.2
25-Nov	-20	-22	-23	-24	-23	-24	-25	-26	-25	-23	-22	-18	-16	-15	-16	-16	-17	-17	-17	-17	-17	-18	-19	-20	-20.0	-15.3
26-Nov	-21	-22	-23	-24	-24	-24	-24	-24	-24	-21	-16	-10	-6	-5	-3	-5	-9	-10	-8	-10	-14	-14	-13	-11	-15.2	-3.4
27-Nov	-10	-11	-11	-11	-12	-12	-12	-12	-12	-11	-9	-6	-5	-7	-8	-10	-11	-13	-15	-18	-20	-23	-23	-20	-12.7	-4.8
28-Nov	-19	-18	-17	-17	-16	-15	-15	-15	-15	-14	-14	-12	-12	-12	-14	-15	-16	-16	-16	-16	-16	-16	-16	-16	-15.3	-12.1
29-Nov	-16	-16	-16	-16	-16	-16	-16	-17	-18	-17	-16	-14	-15	-15	-15	-17	-20	-20	-21	-21	-21	-21	-22	-21	-17.6	-14.4
30-Nov	-22	-21	-20	-20	-20	-21	-21	-21	-21	-20	-18	-16	-16	-16	-16	-18	-19	-19	-18	-18	-18	-18	-19	-19	-18.9	-15.5
		-7.8	-8.0	-8.1	-8.4	-8.5	-8.8	-8.9	-9.0	-8.7	-7.3	-5.5	-3.2	-1.7	-1.2	-1.2	-2.3	-4.1	-5.4	-6.2	-6.9	-7.4	-7.6	-8.0	-8.2	Diurnal Average
		9.3	10.5	10.7	9.5	7.9	6.1	3.9	5.1	6.0	6.4	8.8	12.4	13.9	16.6	17.4	15.9	15.5	13.4	11.2	7.5	5.8	5.8	5.1	6.6	Diurnal Maximum

# Hourly Averages

External Temperature (ET) - °C

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024



# Hourly Averages

Relative Humidity (RH) - %

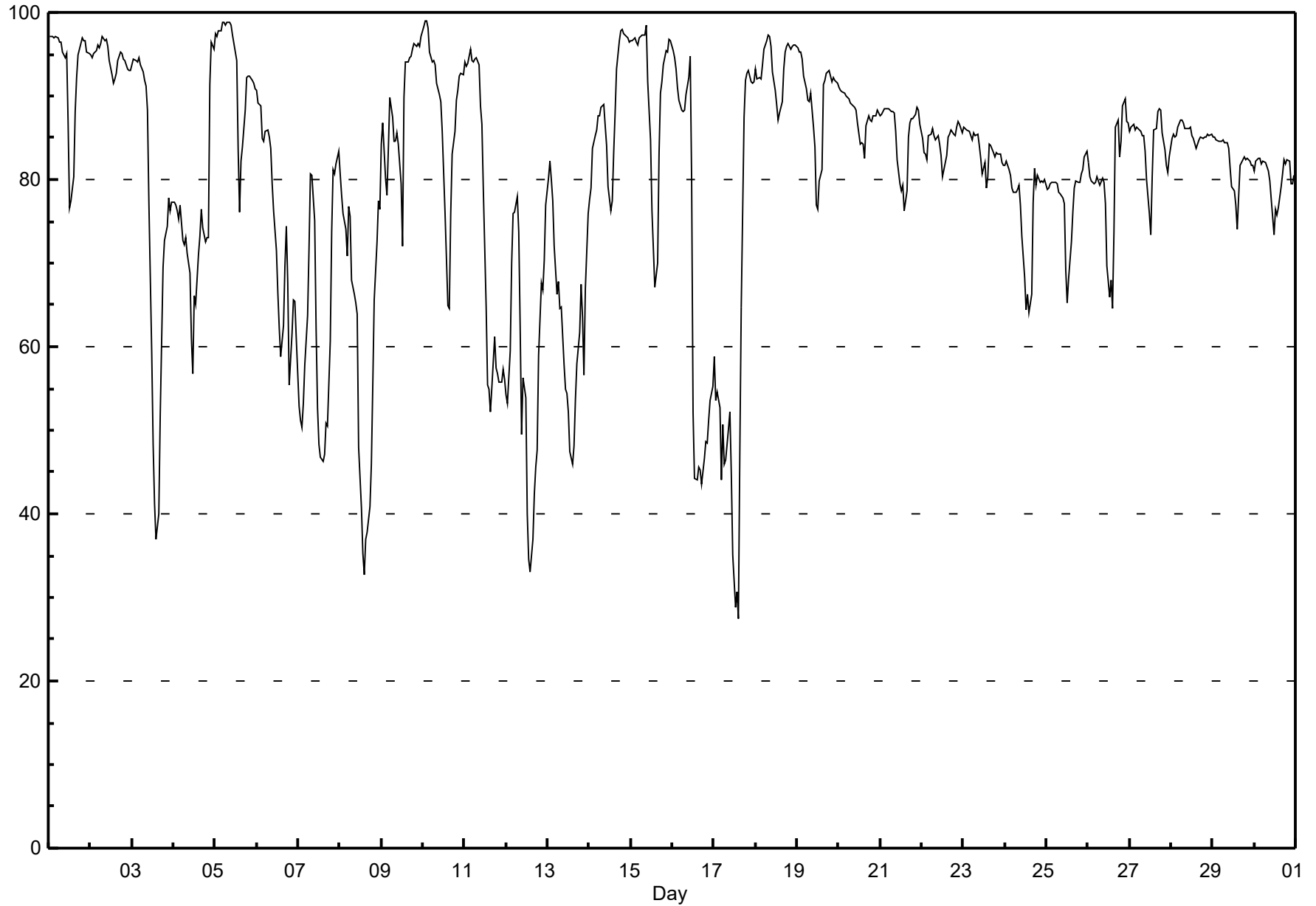
Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 98.9 % on Nov 10 02:00      Maximum Daily Average: 94.6 % on Nov 2																			Hours in Service: 720 Hours of Data: 720																																																	
Minimum Value: 27 % on Nov 17 15:00      Minimum Daily Average: 57.6 % on Nov 12 Maximum Diurnal Average: 84.8 % at hour 7      Minimum Diurnal Average: 67.4 % at hour 15 Monthly Average: 79.92 %      Percentiles: P <sub>1</sub> = 35.5 P <sub>10</sub> = 55.4 Q <sub>1</sub> = 75.8 Median = 83.8 Q <sub>3</sub> = 90.6 P <sub>90</sub> = 95.6 P <sub>99</sub> = 98.5																			Hours of Missing Data: 0 Hours of Calibration: 0 Percent Operational Time: 100.0																																																	
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																																										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																												
1-Nov	97	97	97	97	97	97	96	96	95	95	95	87	77	78	80	88	92	95	96	97	97	97	95	95	93.1	97.2																																										
2-Nov	95	95	95	95	96	96	96	97	97	97	96	94	92	91	92	93	94	95	95	94	94	93	93	93	94.6	97.1																																										
3-Nov	94	94	94	94	95	94	93	92	91	88	77	59	48	41	37	40	52	61	70	73	74	78	76	77	74.7	94.7																																										
4-Nov	77	77	76	75	77	73	72	73	71	69	61	57	66	65	71	73	76	74	73	73	73	91	96	96	74.4	96.4																																										
5-Nov	97	97	98	98	99	99	99	99	99	99	97	96	94	84	76	82	84	88	92	92	92	92	92	91	93.2	98.9																																										
6-Nov	91	89	89	85	85	86	86	85	84	79	76	72	66	62	59	63	70	74	68	55	61	66	65	61	74.0	90.6																																										
7-Nov	53	51	50	53	58	64	72	81	81	75	62	53	48	47	46	47	51	50	61	74	81	81	82	83	62.6	83.5																																										
8-Nov	81	78	76	74	71	77	76	68	66	65	64	48	41	35	33	37	38	41	46	55	66	73	78	76	60.9	80.8																																										
9-Nov	84	87	80	78	84	90	87	85	85	86	84	80	72	90	94	94	95	95	96	96	96	96	96	97	88.5	97.1																																										
10-Nov	98	99	99	98	95	94	94	94	92	90	89	86	81	76	65	65	76	83	86	90	91	92	93	93	88.2	98.9																																										
11-Nov	94	94	94	96	94	94	94	95	94	89	87	79	65	55	55	52	55	61	58	57	56	56	57	56	74.4	95.6																																										
12-Nov	54	53	60	70	76	76	78	74	62	49	56	54	40	35	33	37	42	46	48	59	68	67	70	77	57.6	78.0																																										
13-Nov	80	82	80	77	72	66	68	65	65	58	55	54	52	47	46	48	54	58	62	67	64	57	67	76	63.3	82.2																																										
14-Nov	78	79	84	85	86	88	88	89	89	86	84	79	76	77	83	88	93	97	98	98	97	97	97	96	88.0	98.0																																										
15-Nov	97	97	97	96	96	97	97	97	97	99	92	85	76	72	67	70	83	90	92	94	95	95	97	97	90.6	98.5																																										
16-Nov	95	95	93	91	89	88	88	88	90	92	95	80	52	44	44	46	45	44	47	49	48	51	54	55	69.3	95.4																																										
17-Nov	59	54	55	53	44	51	46	46	50	52	45	35	29	31	27	47	65	87	92	93	93	92	92	92	59.5	93.0																																										
18-Nov	93	92	92	92	94	96	97	97	97	96	93	91	89	87	88	89	93	95	96	96	96	96	96	96	93.6	97.3																																										
19-Nov	96	95	95	94	92	91	89	89	90	86	84	77	76	80	81	91	92	93	93	92	92	92	92	92	89.4	95.7																																										
20-Nov	91	91	91	90	90	90	90	89	89	89	88	87	84	84	84	83	86	88	87	87	88	88	88	88	87.9	91.1																																										
21-Nov	88	88	88	88	88	88	88	88	88	86	82	79	79	79	76	79	85	87	87	87	88	89	88	87	85.5	88.6																																										
22-Nov	85	83	83	82	85	85	86	85	85	85	84	83	80	81	83	85	85	86	85	85	86	87	87	86	84.6	86.9																																										
23-Nov	86	86	86	86	85	85	86	85	85	84	83	81	82	79	80	84	84	83	83	83	83	83	82	82	83.6	86.3																																										
24-Nov	82	82	81	80	79	78	78	79	79	77	73	68	64	66	64	66	77	81	79	81	80	80	80	80	76.5	82.2																																										
25-Nov	79	79	80	80	80	80	79	78	78	78	77	69	65	68	73	76	79	80	80	80	81	81	83	83	77.7	83.5																																										
26-Nov	82	80	80	80	80	80	80	79	80	80	77	70	66	68	65	74	86	87	83	85	89	90	87	87	79.7	89.6																																										
27-Nov	86	86	87	86	86	86	86	85	85	83	80	76	73	80	86	86	88	89	88	86	84	82	81	83	84.1	88.5																																										
28-Nov	85	85	85	85	86	87	87	86	86	86	86	85	85	84	84	85	85	85	85	85	85	85	85	85	85.5	87.1																																										
29-Nov	85	85	85	85	85	85	85	84	84	84	81	79	79	77	74	78	82	82	83	82	83	82	82	82	82.1	85.1																																										
30-Nov	81	82	83	83	82	82	82	81	81	80	78	73	76	76	77	79	81	82	82	82	82	80	79	81	80.2	82.5																																										
																			84.7		84.4		84.4		84.2		84.2		84.7		84.8		84.4		83.9		82.0		79.4		73.9		69.2		68.0		67.4		70.8		75.6		78.6		79.6		80.9		82.1		82.9		83.7		84.0		Diurnal Average	
																			98.3		98.9		98.9		98.1		98.8		98.9		98.5		98.8		98.9		98.5		97.4		96.2		94.3		91.5		94.1		94.1		94.5		96.6		97.8		98.0		97.4		97.1		97.0		97.1		Diurnal Maximum	

# Hourly Averages

Relative Humidity (RH) - %

Eagle Valley Community Hall - Nov 1, 2024 to Dec 1, 2024





# End of Monthly Report



**PAMZ** | Parkland Airshed  
Management Zone

# Parkland Airshed Management Zone

**Eagle Valley Community Hall Site**

**December 2024**

**Continuous Ambient Air Quality Monitoring Program  
Monthly Report**

**Operations and Maintenance:**



AIR QUALITY MONITORING

**Data Validation and Report:**



**Parkland AirShed Management Zone**  
**Ambient Air Monitoring Network**  
**December 2024**  
**Ambient Air Quality Monitoring Program Monthly Report**

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# Eagle Valley Community Hall - Continuous Air Quality Monitoring Data Summary

Ambient Air Quality Data Summary for the Month of December 2024															
Parkland Airshed Management Zone						Maximum Recorded Values									
Pollutant (units)	Objectives			Station	Monthly Average	1-hr				24-hr		Exceedence			Operational Time (%)
	1-hr	24-hr	30-day			Conc	Day	WSPD (km/hr)	WDIR (Sector)	Conc	Day	1-hr	24-hr	30-day	
SO <sub>2</sub> (ppb)	172	48	11	Eagle River Community Hall	0.1	5.6	Dec-17 23:00	3	SE	0.7	Dec-17	0	0	0	99.7%
TRS (ppb)	10	3	-	Eagle River Community Hall	0.5	1.1	Dec-30 12:00	4	NNW	7.0	Dec-21	0	0	-	100.0%
NO <sub>2</sub> (ppb)	159	-	-	Eagle River Community Hall	5.8	29.1	Dec-02 14:00	3	SE	12.0	Dec-12	-	-	-	99.0%
NO (ppb)	-	-	-	Eagle River Community Hall	0.9	22.9	Dec-02 14:00	3	SE	6.7	Dec-12	-	-	-	99.0%
NO <sub>x</sub> (ppb)	-	-	-	Eagle River Community Hall	6.7	51.9	Dec-02 14:00	3	SE	18.6	Dec-12	-	-	-	99.0%
O <sub>3</sub> (ppb)	76	-	-	Eagle River Community Hall	25.2	46.4	Dec-03 23:00	2	S	39.1	Dec-24	0	-	-	97.6%
THC (ppm)	-	-	-	Eagle River Community Hall	2.2	3.1	Dec-06 23:00	5	S	2.5	Dec-12	-	-	-	95.6%
CH <sub>4</sub> (ppm)	-	-	-	Eagle River Community Hall	2.2	2.7	Dec-12 21:00	3	S	2.5	Dec-12	-	-	-	95.6%
NMHC (ppm)	-	-	-	Eagle River Community Hall	0.0	0.8	Dec-03 16:00	3	SSW	0.1	Dec-29	-	-	-	95.6%
PM <sub>2.5</sub> (ug/m <sup>3</sup> )	80	29	-	Eagle River Community Hall	6.3	28.7	Dec-15 08:00	9	N	17.6	Dec-19	0	0	-	100.0%
Temp (°C)	-	-	-	Eagle River Community Hall	-5.5	9.4	Dec-23 15:00			2.3	Dec-24				100.0%
RH (%)	-	-	-	Eagle River Community Hall	78.5	99.1	Dec-04 04:00			94.7	Dec-04				100.0%
WSPD v (km/hr)	-	-	-	Eagle River Community Hall	1.9	19.0	Dec-23 06:00			11.0	Dec-08				96.2%
WDIR	-	-	-	Eagle River Community Hall	S										96.2%

# Eagle Valley Community Hall - Continuous Air Quality Monitoring Station & Equipment Summary

Eagle Valley Community Hall			
<p><b>General Station and Equipment Issues:</b>            Routine monthly calibrations were performed on December 3<sup>rd</sup> (SO<sub>2</sub>, NO/NO<sub>2</sub>/NO<sub>x</sub>, &amp; O<sub>3</sub>), December 4<sup>th</sup> (O<sub>3</sub>) and December 25<sup>th</sup> (THC/CH<sub>4</sub>/NMHC). Removal calibrations performed December 30<sup>th</sup> (SO<sub>2</sub>, TRS, NO/NO<sub>2</sub>/NO<sub>x</sub> &amp; O<sub>3</sub>) and December 31<sup>st</sup> (TRS, THC/CH<sub>4</sub>/NMHC &amp; PM<sub>2.5</sub>).</p>			
Parameter	Make	Model	Notes
<b>SO<sub>2</sub></b>	API	100A	Two (2) hours flagged as maintenance for QA check on December 27 <sup>th</sup> .
<b>TRS</b>	API	T100	No operational issues observed
<b>NO<sub>2</sub>/NO/NO<sub>x</sub></b>	API	T200	Three (3) hours flagged as maintenance for QA check on December 26 <sup>th</sup> . Four (4) hours flagged as maintenance for QA check on December 27 <sup>th</sup> .
<b>O<sub>3</sub></b>	API	T400	Seventeen (17) hours flagged on December 3 <sup>rd</sup> and 4 <sup>th</sup> for overnight stabilization of zero solenoid repairs.
<b>PM<sub>2.5</sub></b>	Met One	Sharp 5030i	No operational issues observed.
<b>THC/CH<sub>4</sub>/NMHC</b>	TEI	55i	Thirty (30) hours flagged invalid due to support gas failure. Two (2) hours flagged as maintenance for QA check on December 27 <sup>th</sup> .
<b>RH</b>	Met One	093	No operational issues observed.
<b>ET</b>	Met One	093	No operational issues observed.
<b>WS/WD</b>	Met One	010C/020C	One (1) hour flagged on December 1 <sup>st</sup> due to wind speed calm. Two (2) hours flagged on December 7 <sup>th</sup> due to wind speed calm. Three (3) hours flagged on December 11 <sup>th</sup> due to wind speed calm. Two (2) hours flagged on December 13 <sup>th</sup> . Two (2) hours flagged on December 15 <sup>th</sup> . One (1) hour flagged on December 16 <sup>th</sup> due to wind speed calm. Four (4) hours flagged on December 17 <sup>th</sup> . One (1) hour flagged on December 20 <sup>th</sup> due to wind speed calm. Two (2) hours flagged on December 21 <sup>st</sup> due to wind speed calm. One (1) hour flagged on December 26 <sup>th</sup> due to wind speed calm. Two (2) hours flagged on December 28 <sup>th</sup> due to wind speed calm. Two (2) hours flagged on December 29 <sup>th</sup> due to wind speed calm. One (1) hour flagged on December 30 <sup>th</sup> due to wind speed calm. Four (4) hours flagged on December 31 <sup>st</sup> .

# Hourly Averages

## Sulphur Dioxide (SO<sub>2</sub>) - ppb

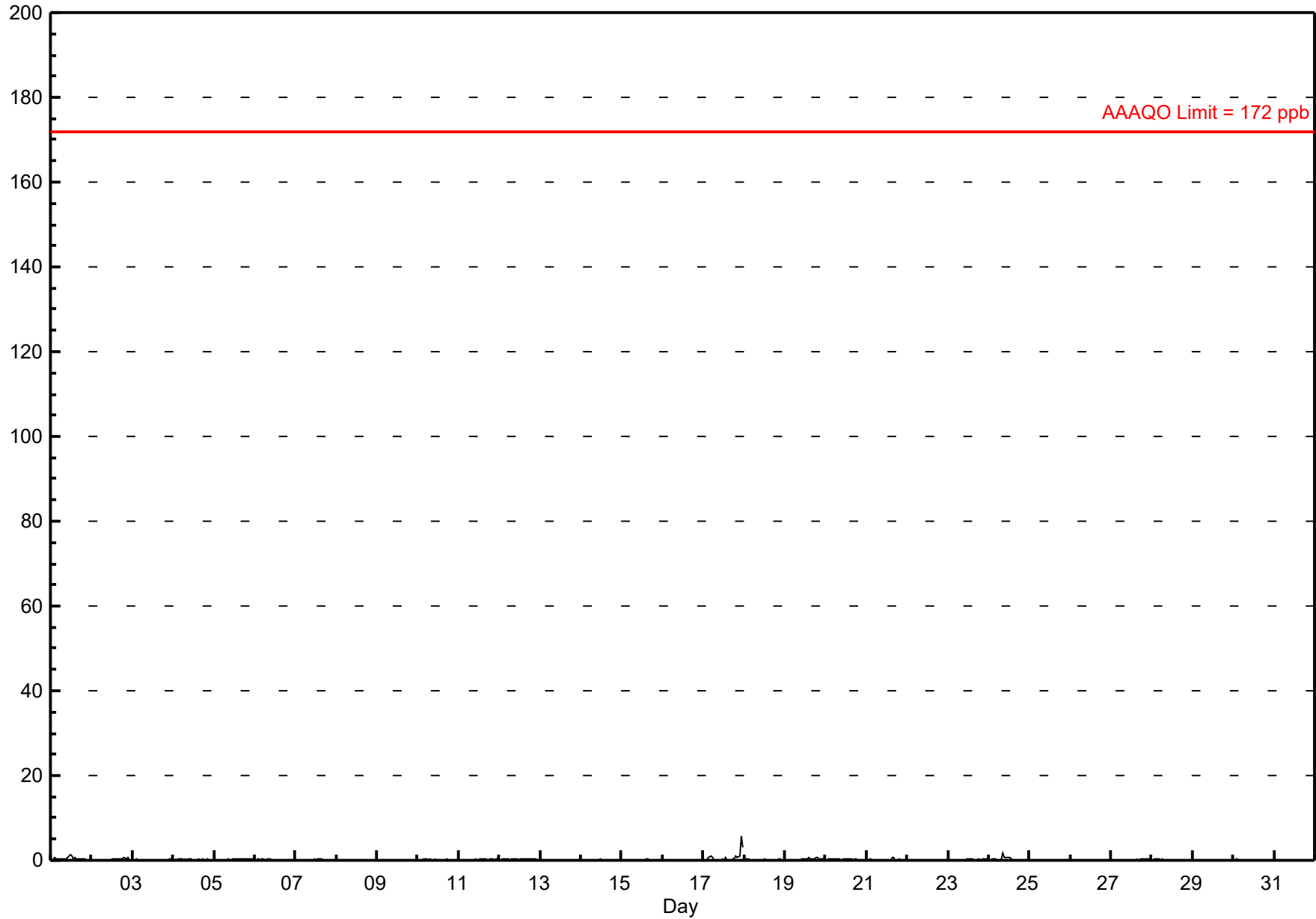
### Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0										Hours in Service: 708																																							
Maximum Value: 5.6 ppb on Dec 17 23:00										Maximum Daily Average: 0.7 ppb on Dec 17										Hours of Data: 667																													
Minimum Value: 0 ppb on Dec 2 02:00										Minimum Daily Average: 0.0 ppb on Dec 26										Hours of Missing Data: 41																													
Maximum Diurnal Average: 0.3 ppb at hour 23										Minimum Diurnal Average: 0.1 ppb at hour 7										Hours of Calibration: 39																													
Monthly Average: 0.13 ppb										Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.1 Q <sub>3</sub> = 0.2 P <sub>90</sub> = 0.3 P <sub>99</sub> = 0.9										Percent Operational Time: 99.7																													
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Dec	A	0	1	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0.4	1.2																							
2-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0.2	0.5																							
3-Dec	A	0	0	0	0	0	0	0	0	0	C	C	C	C	C	C	0	0	0	0	0	0	0	0	--	0.2																							
4-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3																							
5-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3																							
6-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3																							
7-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2																							
8-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0																							
9-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2																							
10-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3																							
11-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3																							
12-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4																							
13-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1																							
14-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2																							
15-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3																							
16-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0																							
17-Dec	A	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	6	3	0.7	5.6																							
18-Dec	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5																							
19-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0.3	0.8																							
20-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3																							
21-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0.1	0.7																							
22-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1																							
23-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4																							
24-Dec	A	0	0	0	0	0	0	0	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.3	1.9																							
25-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0																							
26-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0																							
27-Dec	A	0	0	0	0	0	0	0	0	0	0	0	M	M	0	0	0	0	0	0	0	0	0	0	0.1	0.4																							
28-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3																							
29-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2																							
30-Dec	A	0	0	0	0	0	0	0	0	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	0.2																							
31-Dec	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																							
																								--	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	Diurnal Average		
																								--	0.5	0.5	0.8	0.9	0.6	0.4	0.4	1.9	0.7	0.6	1.2	0.9	0.5	0.5	0.7	0.5	0.3	0.6	0.9	0.6	1.0	5.6	2.9	Diurnal Maximum	
C - Calibration																								M - Maintenance						NS - Not in service						A - Automated Daily Zero Span													
Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 172 ppb 24-hr 48 ppb 30-day 11 ppb																																																	

# Hourly Averages

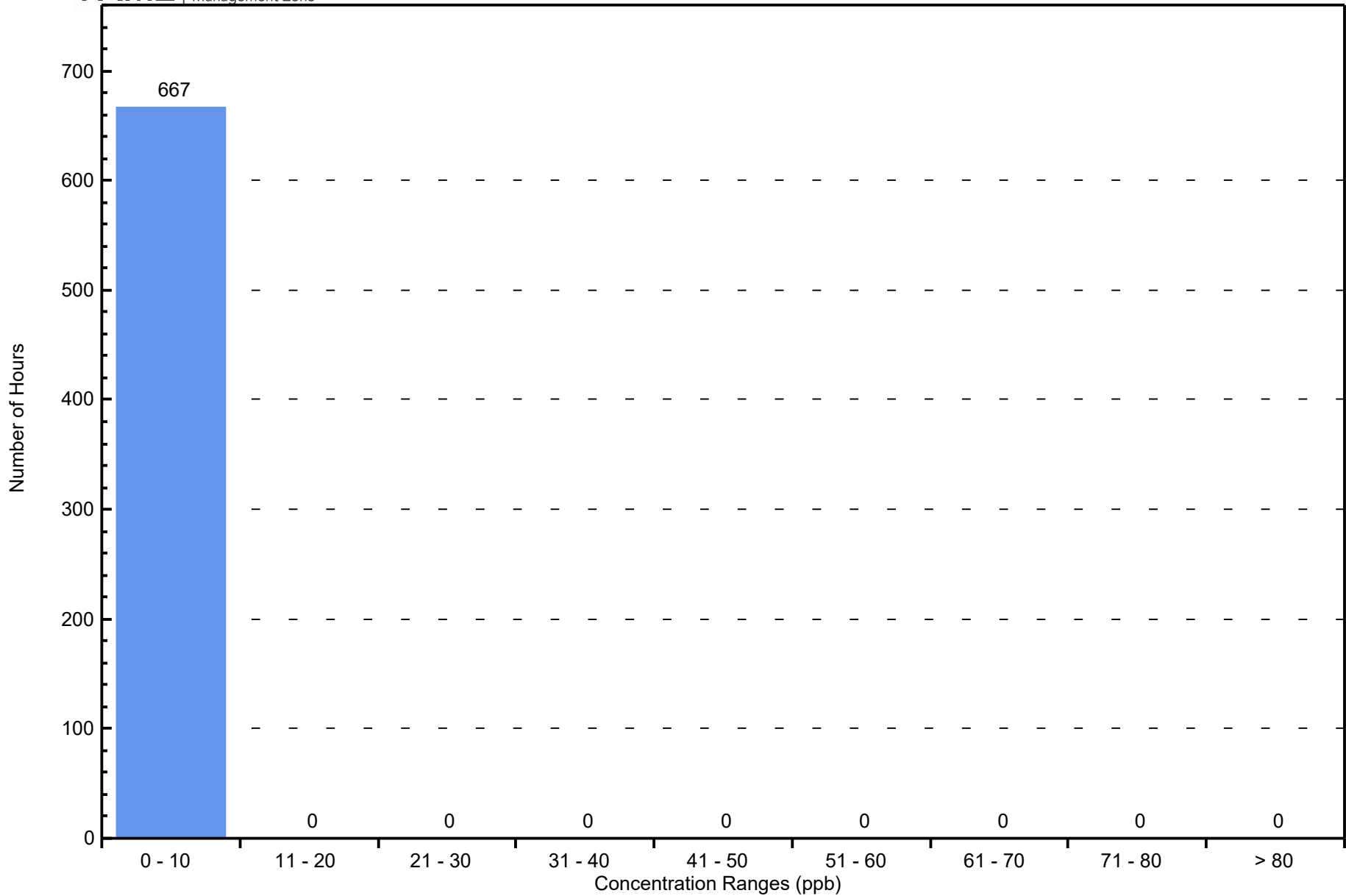
Sulphur Dioxide (SO<sub>2</sub>) - ppb

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



# Histogram of Hourly Averages

Sulphur Dioxide (SO<sub>2</sub>) - ppb  
Eagle Valley Community Hall - December 2024



# Hourly Averages

## Total Reduced Sulphur (TRS) - ppb

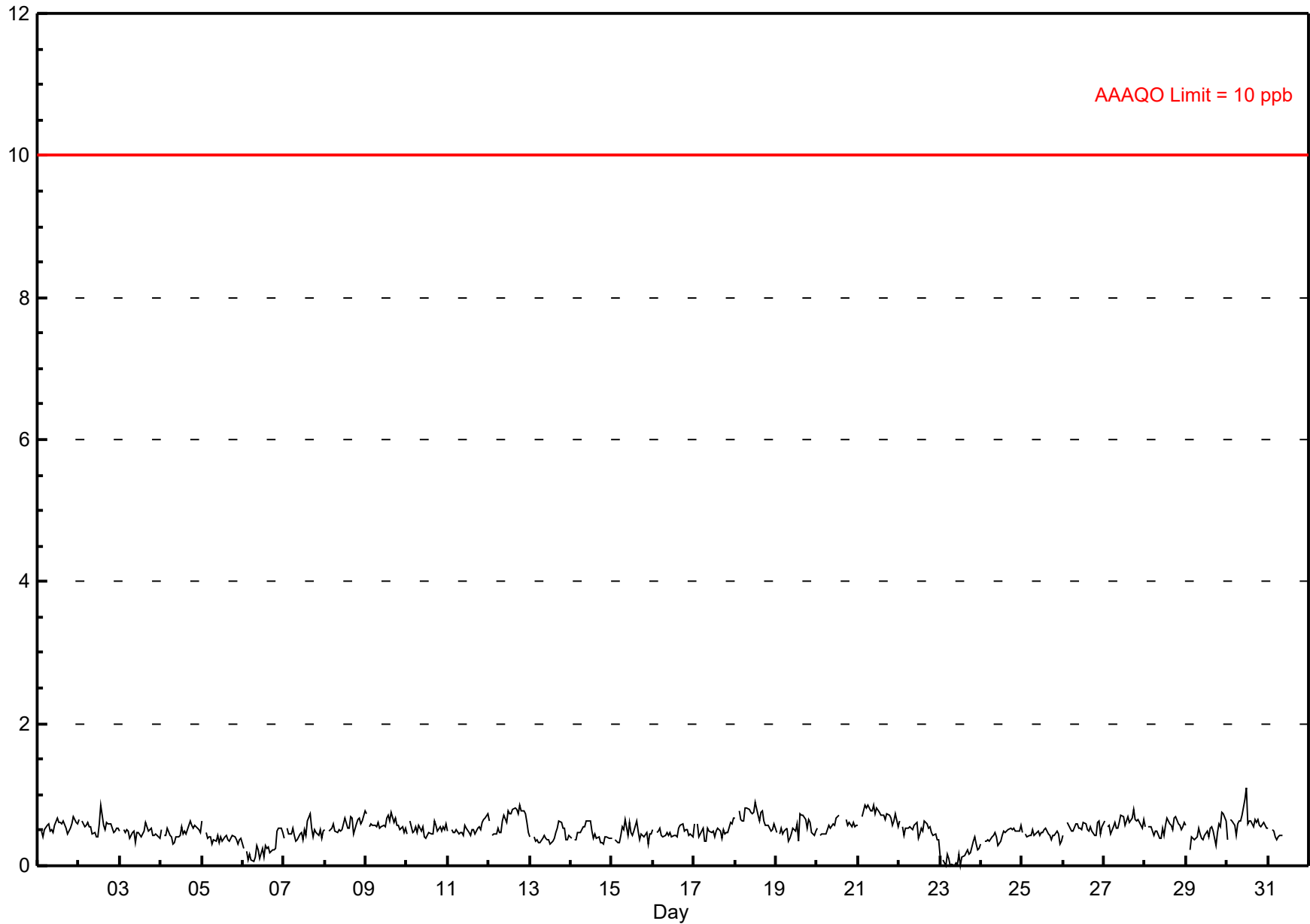
### Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0										Hours in Service: 733																
Maximum Value: 1.1 ppb on Dec 30 12:00										Maximum Daily Average: 0.7 ppb on Dec 21										Hours of Data: 695						
Minimum Value: 0 ppb on Dec 23 07:00										Minimum Daily Average: 0.1 ppb on Dec 23										Hours of Missing Data: 38						
Maximum Diurnal Average: 0.5 ppb at hour 16										Minimum Diurnal Average: 0.5 ppb at hour 4										Hours of Calibration: 38						
Monthly Average: 0.50 ppb										Percentiles: P <sub>1</sub> = 0.1 P <sub>10</sub> = 0.3 Q <sub>1</sub> = 0.4 Median = 0.5 Q <sub>3</sub> = 0.6 P <sub>90</sub> = 0.7 P <sub>99</sub> = 0.8										Percent Operational Time: 100.0						
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Dec	1	A	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0.6	0.7
2-Dec	1	A	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	0.6	0.9
3-Dec	0	A	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0.5	0.6
4-Dec	0	A	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0	0.5	0.6
5-Dec	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
6-Dec	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0.2	0.5
7-Dec	0	A	1	0	0	1	0	0	0	0	0	0	1	0	1	1	1	0	1	0	0	1	0	0	0.5	0.7
8-Dec	1	A	0	1	1	1	0	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0.6	0.8
9-Dec	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0.6	0.8
10-Dec	0	A	1	0	0	1	0	1	0	1	0	0	0	0	0	0	1	1	0	1	0	1	1	1	0.5	0.6
11-Dec	0	A	1	0	0	1	0	0	0	0	1	1	0	0	1	1	0	1	1	1	1	1	1	1	0.5	0.7
12-Dec	1	A	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.6	0.8
13-Dec	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0.4	0.6
14-Dec	0	A	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
15-Dec	0	A	0	0	0	0	1	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0.5	0.7
16-Dec	1	A	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0.5	0.6
17-Dec	1	A	1	0	0	1	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	1	1	1	0.5	0.7
18-Dec	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0.7	0.9
19-Dec	0	A	0	1	0	0	1	0	0	1	0	1	0	1	0	1	1	1	1	1	1	0	0	0	0.5	0.7
20-Dec	1	A	0	0	0	0	1	1	1	1	1	1	1	1	C	C	C	1	1	1	1	1	1	1	0.6	0.7
21-Dec	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.9
22-Dec	1	A	1	0	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	0	0	0	0	0	0.5	0.6
23-Dec	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
24-Dec	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0.4	0.6
25-Dec	0	A	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0.4	0.5
26-Dec	0	A	1	1	1	0	0	1	1	1	1	1	1	1	0	1	0	0	0	0	1	1	0	1	0.5	0.6
27-Dec	1	A	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8
28-Dec	1	A	1	1	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0.5	0.7
29-Dec	1	A	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	0.5	0.7
30-Dec	0	A	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	1.1
31-Dec	1	A	0	0	0	0	0	0	0	C	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	0.5
0.5	--	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	Diurnal Average	
0.7	--	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.9	1.1	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8	Diurnal Maximum	
C - Calibration      NS - Not in service      A - Automated Daily Zero Span																										
Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 10 ppb      24-hr 3 ppb																										

## Hourly Averages

Total Reduced Sulphur (TRS) - ppb

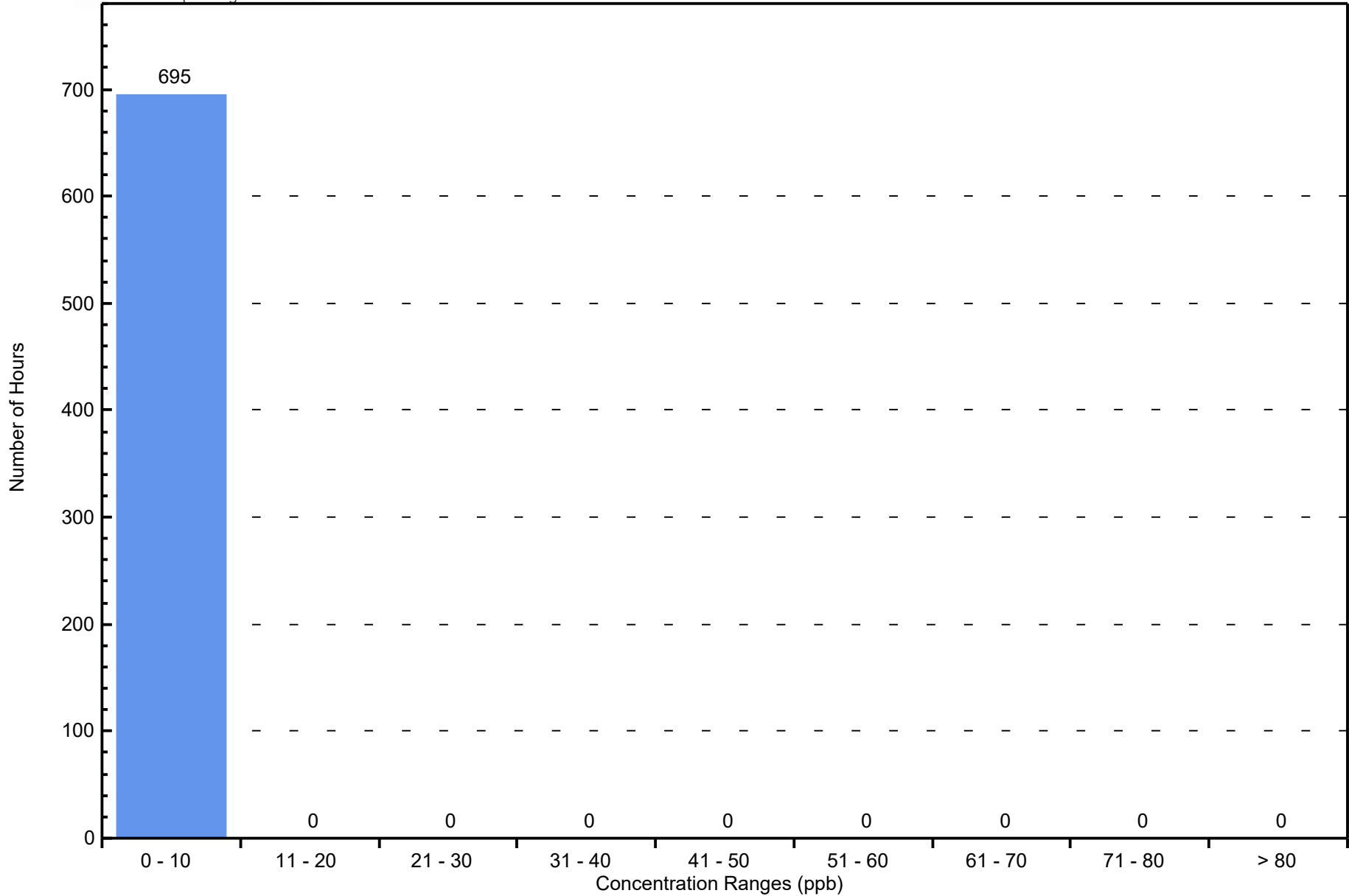
Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025





# Histogram of Hourly Averages      Total Reduced Sulphur (TRS) - ppb

## Eagle Valley Community Hall - December 2024



# Hourly Averages

## Nitrogen Dioxide (NO<sub>2</sub>) - ppb

### Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

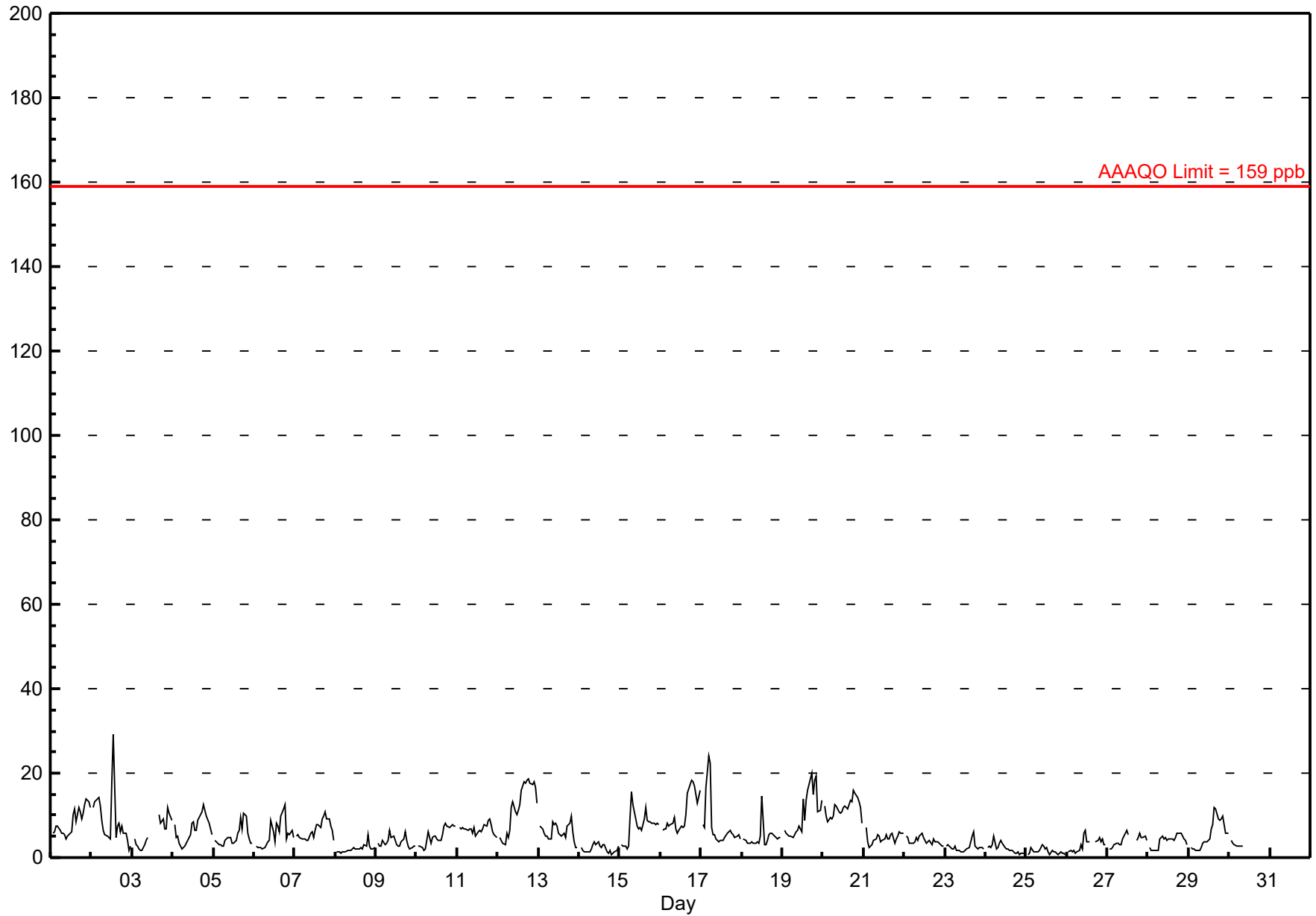
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0										Hours in Service: 710																
Maximum Value: 29.0 ppb on Dec 2 14:00										Maximum Daily Average: 11.9 ppb on Dec 12										Hours of Data: 662						
Minimum Value: 1 ppb on Dec 24 21:00										Minimum Daily Average: 1.5 ppb on Dec 25										Hours of Missing Data: 48						
Maximum Diurnal Average: 7.9 ppb at hour 17										Minimum Diurnal Average: 4.0 ppb at hour 7										Hours of Calibration: 41						
Monthly Average: 5.77 ppb										Percentiles: P <sub>1</sub> = 1.0 P <sub>10</sub> = 1.8 Q <sub>1</sub> = 2.8 Median = 4.8 Q <sub>3</sub> = 7.3 P <sub>90</sub> = 11.6 P <sub>99</sub> = 18.3										Percent Operational Time: 99.0						
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Dec	A	6	6	7	8	7	6	6	5	5	5	6	6	10	11	9	12	11	9	10	12	14	13	12	8.5	14.0
2-Dec	A	12	13	14	14	12	9	7	6	5	5	4	18	29	5	7	8	6	7	6	6	4	2	3	8.7	29.0
3-Dec	A	4	3	3	2	2	2	3	4	5	C	C	C	C	C	C	10	8	9	7	7	12	10	9	--	11.8
4-Dec	A	8	5	5	3	2	2	3	3	4	5	8	8	6	6	9	10	11	13	11	10	8	7	5	6.7	12.7
5-Dec	A	4	4	3	3	3	3	4	5	5	5	4	4	4	6	6	10	7	10	10	6	4	4	3	5.0	10.4
6-Dec	A	3	3	3	2	2	2	3	4	4	9	6	4	8	8	6	10	12	12	5	6	5	7	5	5.5	12.4
7-Dec	A	5	5	5	4	4	4	4	4	6	6	5	7	8	8	7	9	10	11	9	9	8	7	4	6.4	10.7
8-Dec	A	1	2	1	1	2	1	2	2	2	2	2	2	2	2	2	2	3	3	5	3	2	2	2	2.1	5.4
9-Dec	A	4	3	3	4	3	4	4	6	5	5	4	3	3	3	4	4	6	4	3	2	2	3	3	3.6	6.3
10-Dec	A	3	3	2	2	2	4	6	4	5	5	5	4	4	4	5	7	8	7	7	7	8	8	7	5.2	8.2
11-Dec	A	7	7	7	7	7	6	7	7	6	7	5	6	7	6	7	8	7	9	9	8	6	5	5	6.7	9.2
12-Dec	A	5	4	3	3	6	5	7	12	13	11	10	11	12	16	18	18	18	19	18	17	18	17	13	11.9	18.7
13-Dec	A	7	7	6	5	5	4	4	8	8	8	7	6	5	5	6	5	7	8	10	6	4	2	3	6.0	9.7
14-Dec	A	3	2	1	1	1	1	2	3	4	3	4	3	3	3	3	2	1	2	1	1	1	2	3	2.1	3.8
15-Dec	A	3	3	3	2	3	10	16	12	9	7	7	7	6	9	12	9	9	8	8	8	8	8	8	7.6	15.7
16-Dec	A	6	7	7	8	8	8	8	9	7	6	6	7	7	8	10	15	17	18	18	17	15	13	16	10.5	18.4
17-Dec	A	8	7	17	24	22	7	5	5	5	4	4	4	4	5	6	6	6	6	5	5	5	4	4	7.4	23.9
18-Dec	A	4	4	3	4	3	4	4	4	4	3	5	15	3	3	4	5	6	6	5	5	5	5	5	4.7	14.5
19-Dec	A	6	6	5	5	5	5	5	6	6	7	6	14	9	14	16	17	20	15	18	19	11	11	14	10.5	19.9
20-Dec	A	12	10	9	10	9	10	13	12	11	10	11	12	12	12	13	13	13	16	15	14	13	12	8	11.7	15.8
21-Dec	A	7	4	3	3	3	4	4	5	5	4	4	4	5	4	5	6	6	4	4	5	6	6	6	4.6	7.1
22-Dec	A	5	5	4	3	3	4	5	4	5	6	5	4	4	4	4	3	4	4	4	4	3	3	3	3.9	5.8
23-Dec	A	3	3	2	2	2	3	2	2	1	1	2	2	2	3	4	5	6	3	2	2	2	3	2	2.5	6.2
24-Dec	A	2	3	3	3	5	2	3	3	4	4	2	2	2	2	2	2	1	1	1	1	1	1	1	2.1	5.0
25-Dec	A	1	1	2	2	1	1	2	2	3	3	2	2	1	1	2	1	2	1	1	1	1	1	1	1.5	3.1
26-Dec	A	1	2	1	2	1	1	2	3	2	6	7	4	4	M	M	M	4	4	5	4	5	3	3	3.1	6.6
27-Dec	A	2	2	3	3	4	3	3	3	4	5	6	5	M	M	M	M	4	5	6	5	5	5	4	4.1	6.4
28-Dec	A	3	2	2	2	2	2	5	5	5	5	4	5	4	5	4	5	6	6	6	5	4	4	3	3.9	5.7
29-Dec	A	2	2	2	2	2	2	2	2	3	4	4	4	4	7	8	12	11	9	9	10	8	6	6	5.5	11.9
30-Dec	A	4	3	3	3	3	3	3	3	C	C	C	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	4.0
31-Dec	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
																								Diurnal Average	Diurnal Maximum	
																								--	--	
																								4.7	12.2	
																								4.3	13.3	
																								4.3	16.5	
																								4.5	23.9	
																								4.4	22.4	
																								4.0	9.8	
																								4.7	15.7	
																								5.1	12.4	
																								5.2	13.3	
																								5.4	10.9	
																								5.2	11.0	
																								6.2	17.8	
																								6.4	29.0	
																								6.1	16.0	
																								6.9	18.1	
																								7.9	17.6	
																								7.9	19.9	
																								7.8	18.7	
																								7.5	18.3	
																								7.0	19.2	
																								6.5	17.8	
																								5.9	16.5	
																								5.5	15.8	

C - Calibration M - Maintenance NS - Not in service A - Automated Daily Zero Span  
 Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 159 ppb 24-hr 106 ppb

# Hourly Averages

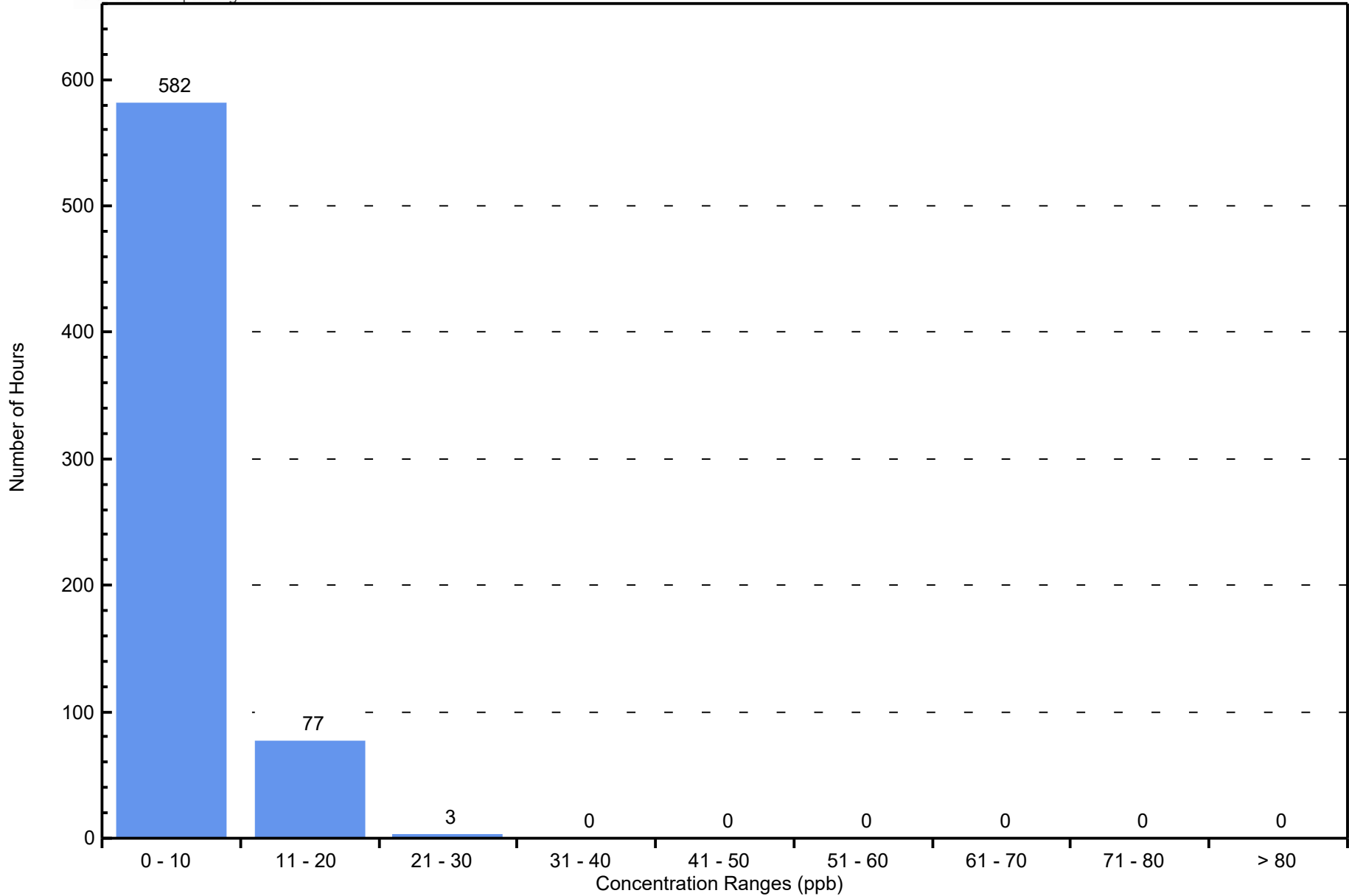
Nitrogen Dioxide (NO<sub>2</sub>) - ppb

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



# Histogram of Hourly Averages

Nitrogen Dioxide (NO<sub>2</sub>) - ppb  
Eagle Valley Community Hall - December 2024



# Hourly Averages

## Oxides of Nitrogen (NO<sub>x</sub>) - ppb

### Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 710
Maximum Value: 51.9 ppb on Dec 2 14:00	Maximum Daily Average: 18.6 ppb on Dec 12
Minimum Value: 1 ppb on Dec 24 21:00	Hours of Data: 662
Maximum Diurnal Average: 9.6 ppb at hour 13	Hours of Missing Data: 48
Monthly Average: 6.69 ppb	Hours of Calibration: 41
Minimum Daily Average: 1.5 ppb on Dec 25	Percent Operational Time: 99.0
Minimum Diurnal Average: 4.1 ppb at hour 7	
Percentiles: P <sub>1</sub> = 0.9 P <sub>10</sub> = 1.8 Q <sub>1</sub> = 3.0 Median = 5.1 Q <sub>3</sub> = 8.1 P <sub>90</sub> = 13.4 P <sub>99</sub> = 32.1	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Dec	A	6	6	8	8	7	6	6	6	6	9	10	10	17	19	11	13	11	10	11	13	14	14	12	10.1	18.8
2-Dec	A	12	14	14	14	12	9	7	6	6	6	6	31	52	6	9	8	6	7	6	6	4	2	3	10.7	51.9
3-Dec	A	4	3	3	2	2	2	3	4	5	C	C	C	C	C	C	10	8	9	7	7	12	10	9	--	11.8
4-Dec	A	8	5	5	3	2	2	3	4	4	6	10	11	8	7	10	11	11	13	11	10	9	7	5	7.2	12.7
5-Dec	A	4	4	3	3	3	3	4	5	6	6	5	5	6	8	8	11	7	11	10	6	5	4	4	5.8	11.0
6-Dec	A	3	3	3	3	3	2	3	4	5	11	7	4	10	9	6	10	12	14	5	6	5	7	5	6.1	14.0
7-Dec	A	5	5	5	5	4	4	4	4	7	7	5	7	9	9	8	9	10	11	9	9	8	6	4	6.7	10.9
8-Dec	A	1	2	1	1	2	2	2	2	2	2	3	2	2	2	2	2	3	3	6	3	2	2	3	2.3	6.0
9-Dec	A	4	3	3	4	3	4	4	7	5	6	5	4	3	3	4	5	6	4	3	2	2	3	3	4.0	7.3
10-Dec	A	3	3	2	2	2	4	6	4	5	6	6	5	5	5	6	7	8	7	7	7	8	8	7	5.3	8.2
11-Dec	A	7	7	7	7	7	6	7	7	6	9	6	7	7	6	7	8	7	9	9	8	6	5	5	6.9	9.2
12-Dec	A	5	4	3	3	6	5	6	13	20	17	17	19	21	30	34	29	31	34	34	33	28	21	14	18.6	34.0
13-Dec	A	7	7	6	5	5	4	4	9	9	11	9	7	6	6	6	5	8	8	10	6	4	3	3	6.4	10.5
14-Dec	A	3	2	1	1	1	1	2	3	4	3	4	3	3	3	3	1	1	2	1	1	1	2	3	2.1	4.1
15-Dec	A	3	3	3	2	3	10	16	13	11	9	9	9	8	21	21	9	9	8	8	8	8	8	8	8.9	21.3
16-Dec	A	6	7	7	8	8	8	8	14	11	12	14	14	11	11	15	24	31	33	28	20	15	13	17	14.6	33.1
17-Dec	A	8	7	17	25	24	7	5	6	5	5	5	5	5	6	6	6	7	6	5	5	5	6	4	7.8	24.7
18-Dec	A	5	4	3	4	3	4	4	3	4	4	7	37	4	3	4	5	6	6	5	5	5	5	5	5.9	36.9
19-Dec	A	6	6	5	5	5	5	6	6	8	16	10	31	13	25	21	19	21	15	19	20	11	12	14	13.0	30.6
20-Dec	A	12	10	9	10	9	10	13	12	13	15	17	19	19	17	17	14	13	16	15	14	14	12	8	13.5	19.1
21-Dec	A	7	4	2	3	3	4	4	5	5	4	4	5	6	4	4	5	6	4	4	5	6	6	6	4.7	7.1
22-Dec	A	5	5	4	3	3	4	5	4	5	6	5	4	4	4	4	3	4	4	4	4	3	3	3	4.0	6.4
23-Dec	A	3	3	2	2	2	3	2	2	1	1	2	2	2	3	4	5	6	3	2	2	2	3	2	2.6	6.4
24-Dec	A	3	3	2	3	5	2	3	3	4	4	2	2	2	2	2	2	1	1	1	1	1	1	1	2.1	5.0
25-Dec	A	1	1	2	2	1	1	2	2	3	3	2	3	1	1	2	1	2	1	1	1	1	1	1	1.5	3.2
26-Dec	A	1	2	1	2	1	1	2	3	2	8	8	4	4	M	M	M	4	4	5	4	5	3	3	3.4	8.1
27-Dec	A	2	2	2	3	4	3	3	3	4	6	9	7	M	M	M	M	4	5	6	5	5	5	4	4.3	9.0
28-Dec	A	3	2	2	2	2	2	6	5	5	6	5	6	5	5	4	5	6	6	6	5	4	4	3	4.2	6.3
29-Dec	A	2	2	2	2	2	2	2	2	3	4	4	4	5	8	9	13	12	9	9	10	8	6	6	5.9	13.4
30-Dec	A	4	3	3	3	3	3	3	3	C	C	C	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	4.0
31-Dec	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--

--	4.8	4.3	4.4	4.6	4.6	4.1	4.8	5.5	6.1	7.3	7.0	9.6	9.0	8.5	9.0	9.0	8.9	9.0	8.5	7.8	6.9	6.2	5.6	Diurnal Average	
--	12.5	13.6	16.5	24.7	23.9	10.5	16.2	14.3	19.9	16.6	16.8	36.9	51.9	29.5	33.7	28.8	31.0	33.9	34.0	33.4	27.8	21.2	16.8	Diurnal Maximum	

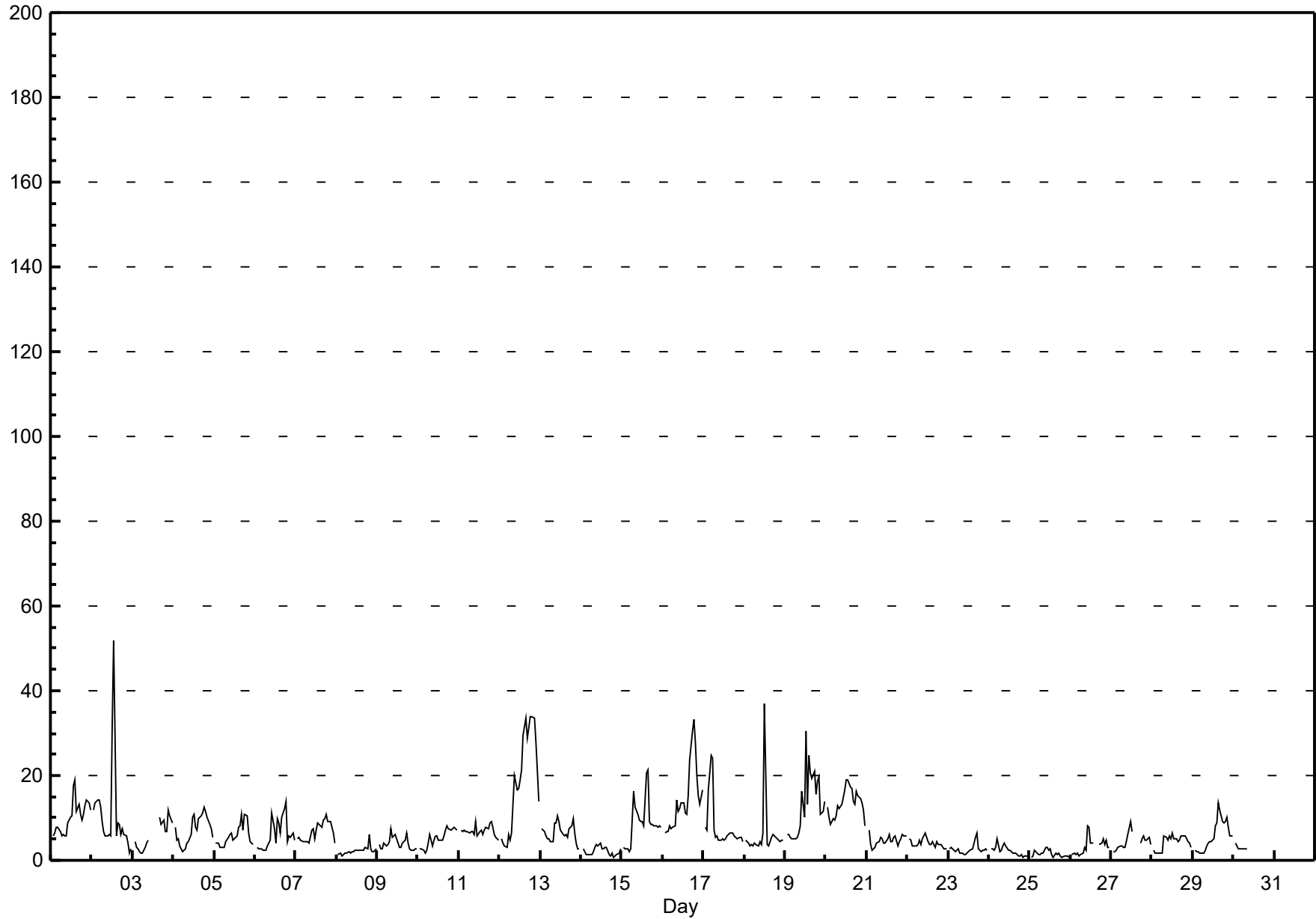
C - Calibration      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span



## Hourly Averages

Oxides of Nitrogen (NO<sub>x</sub>) - ppb

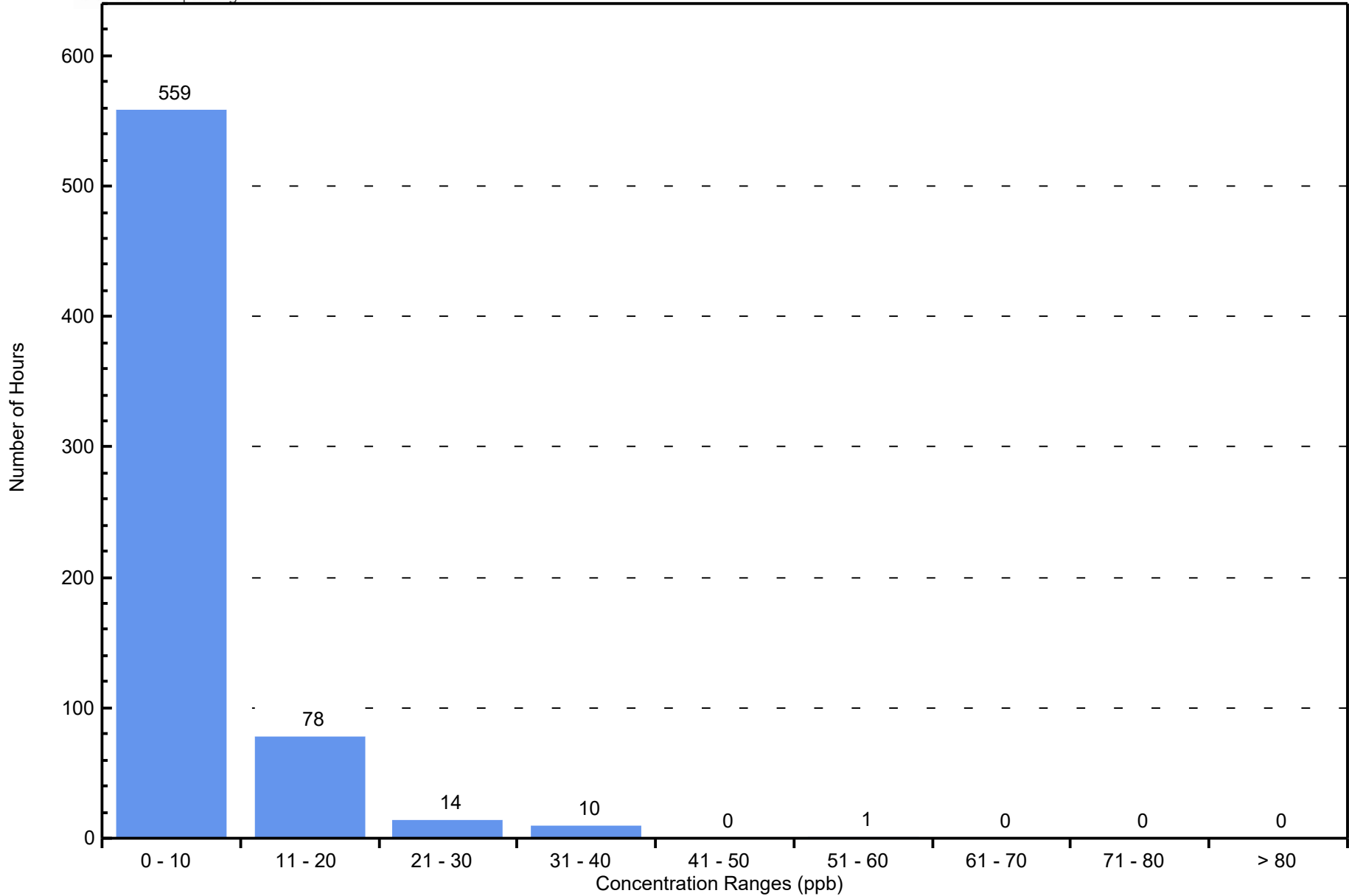
Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



# Histogram of Hourly Averages

Oxides of Nitrogen (NO<sub>x</sub>) - ppb

Eagle Valley Community Hall - December 2024



# Hourly Averages

**Nitrogen Oxide (NO) - ppb**

**Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025**

Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0	Hours in Service: 710
Maximum Value: 22.9 ppb on Dec 2 14:00	Maximum Daily Average: 6.7 ppb on Dec 12
Minimum Value: 0 ppb on Dec 2 18:00	Hours of Data: 662
Maximum Diurnal Average: 3.5 ppb at hour 13	Hours of Missing Data: 48
Monthly Average: 0.92 ppb	Hours of Calibration: 41
Minimum Daily Average: 0.0 ppb on Dec 24	Percent Operational Time: 99.0
Minimum Diurnal Average: 0.1 ppb at hour 4	
Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.1 Q <sub>3</sub> = 0.5 P <sub>90</sub> = 1.8 P <sub>99</sub> = 14.9	

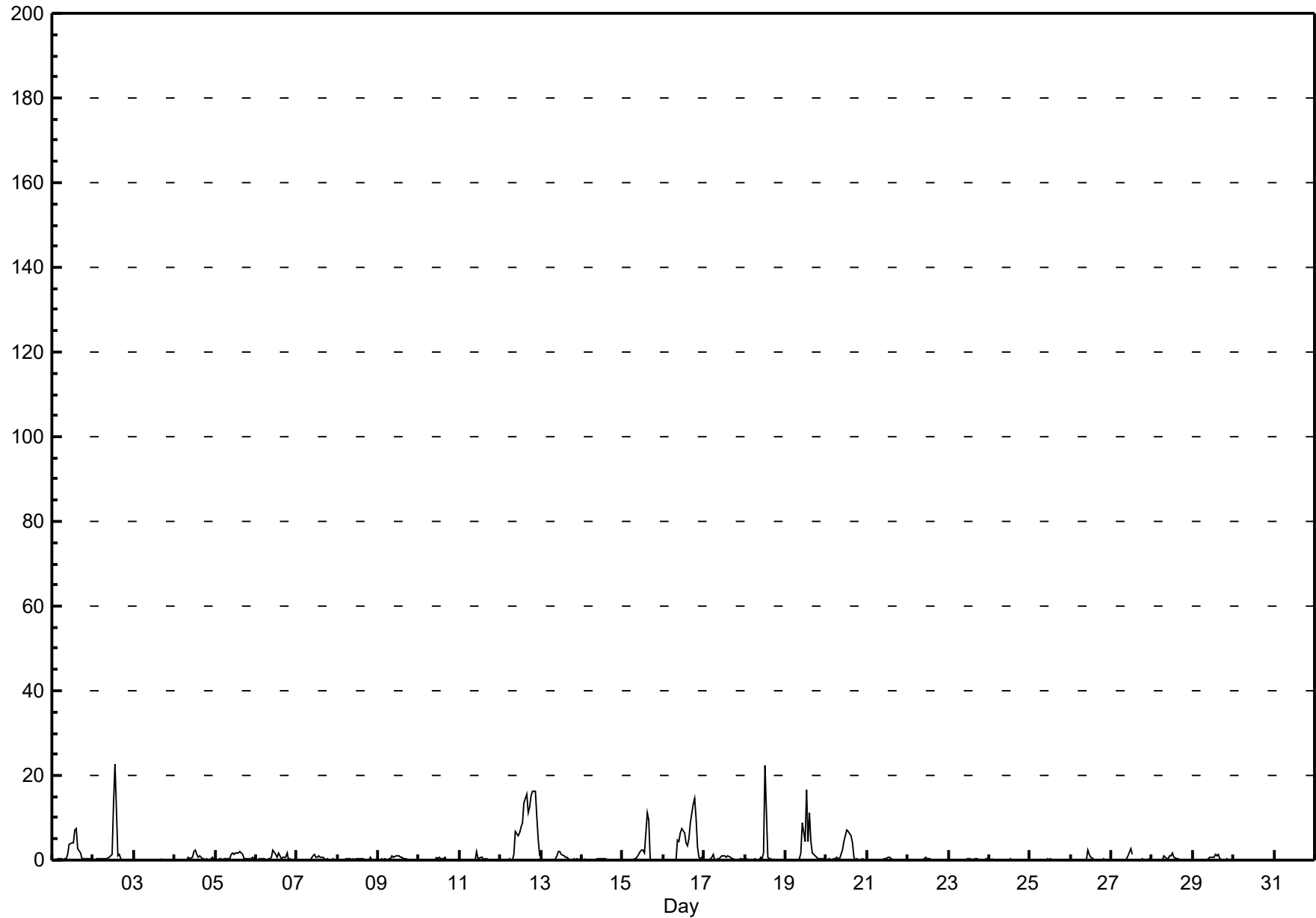
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Dec	A	0	0	0	0	0	0	0	0	1	4	4	4	7	7	3	2	0	0	0	0	0	0	0	1.6	7.4																						
2-Dec	A	0	0	0	0	0	0	0	0	1	1	1	14	23	1	1	0	0	0	0	0	0	0	0	1.9	22.9																						
3-Dec	A	0	0	0	0	0	0	0	0	0	C	C	C	C	C	C	0	0	0	0	0	0	0	0	--	0.3																						
4-Dec	A	0	0	0	0	0	0	0	1	0	1	2	2	1	1	1	0	0	0	0	0	0	1	0	0.5	2.5																						
5-Dec	A	0	1	0	0	0	0	0	1	1	2	1	2	2	2	2	1	0	0	0	0	0	1	0	0.8	2.2																						
6-Dec	A	0	0	0	0	0	0	0	0	1	2	1	1	2	1	0	1	1	2	0	0	0	0	0	0.6	2.3																						
7-Dec	A	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.3	1.2																						
8-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.2	0.6																						
9-Dec	A	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.3	1.1																						
10-Dec	A	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0.1	0.6																						
11-Dec	A	0	0	0	0	0	0	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0.2	2.0																						
12-Dec	A	0	0	0	0	0	0	0	1	7	6	7	8	9	14	16	11	13	15	16	16	10	5	1	6.7	16.3																						
13-Dec	A	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0.5	2.2																						
14-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3																						
15-Dec	A	0	0	0	0	0	0	0	0	1	2	2	2	2	11	9	0	0	0	0	0	0	0	0	1.4	11.2																						
16-Dec	A	0	0	0	0	0	0	0	5	4	6	7	6	4	3	5	9	13	15	10	3	1	0	1	4.1	14.7																						
17-Dec	A	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.4	1.5																						
18-Dec	A	0	0	0	0	0	0	0	0	1	0	2	22	1	0	0	0	0	0	0	0	0	0	0	1.2	22.4																						
19-Dec	A	0	0	0	0	0	0	0	0	2	9	4	17	4	11	4	2	1	1	0	0	0	0	0	2.5	16.7																						
20-Dec	A	0	0	0	0	0	1	0	0	2	4	6	7	7	6	4	1	0	0	0	0	0	0	0	1.8	7.2																						
21-Dec	A	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.1	0.8																						
22-Dec	A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.6																						
23-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4																						
24-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3																						
25-Dec	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3																						
26-Dec	A	0	0	0	0	0	0	0	0	0	2	1	1	0	M	M	M	0	0	0	0	0	0	0	0.3	2.3																						
27-Dec	A	0	0	0	0	0	0	0	0	0	1	3	1	M	M	M	M	0	0	0	0	0	0	0	0.3	2.6																						
28-Dec	A	0	0	0	0	0	0	1	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0.3	1.8																						
29-Dec	A	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.3	1.5																						
30-Dec	A	0	0	0	0	0	0	0	0	C	C	C	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	0.0																						
31-Dec	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																						
																								--	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.9	1.9	1.8	3.5	2.6	2.5	2.0	1.1	1.0	1.2	1.0	0.8	0.4	0.3	0.1	Diurnal Average
																								--	0.3	0.5	0.4	0.8	1.5	0.7	1.1	4.9	6.6	8.9	7.3	22.4	22.9	13.5	15.6	11.2	13.2	15.2	16.3	16.2	10.0	4.7	1.1	Diurnal Maximum

C - Calibration      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span

# Hourly Averages

Nitrogen Oxide (NO) - ppb

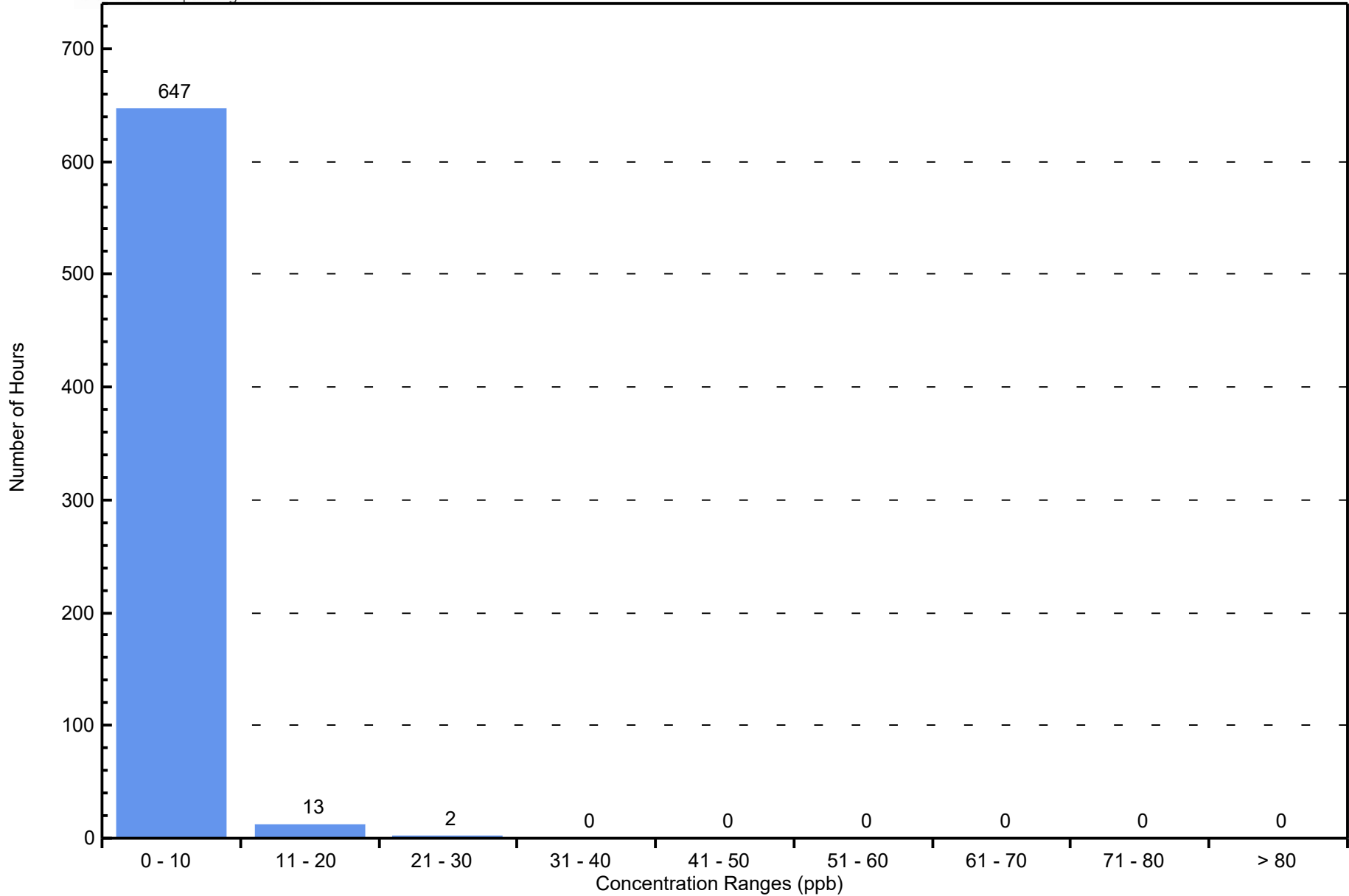
Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



# Histogram of Hourly Averages

Nitrogen Oxide (NO) - ppb

Eagle Valley Community Hall - December 2024



# Hourly Averages

Ozone (O<sub>3</sub>) - ppb

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 711
Maximum Value: 44.9 ppb on Dec 24 18:00	Maximum Daily Average: 36.9 ppb on Dec 24
Minimum Value: 0 ppb on Dec 12 17:00	Hours of Data: 657
Maximum Diurnal Average: 25.6 ppb at hour 15	Hours of Missing Data: 54
Monthly Average: 22.45 ppb	Hours of Calibration: 37
Minimum Daily Average: 3.0 ppb on Dec 16	Percent Operational Time: 97.6
Minimum Diurnal Average: 20.4 ppb at hour 21	
Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 8.2 Q <sub>1</sub> = 14.3 Median = 23.5 Q <sub>3</sub> = 30.5 P <sub>90</sub> = 34.8 P <sub>99</sub> = 41.9	

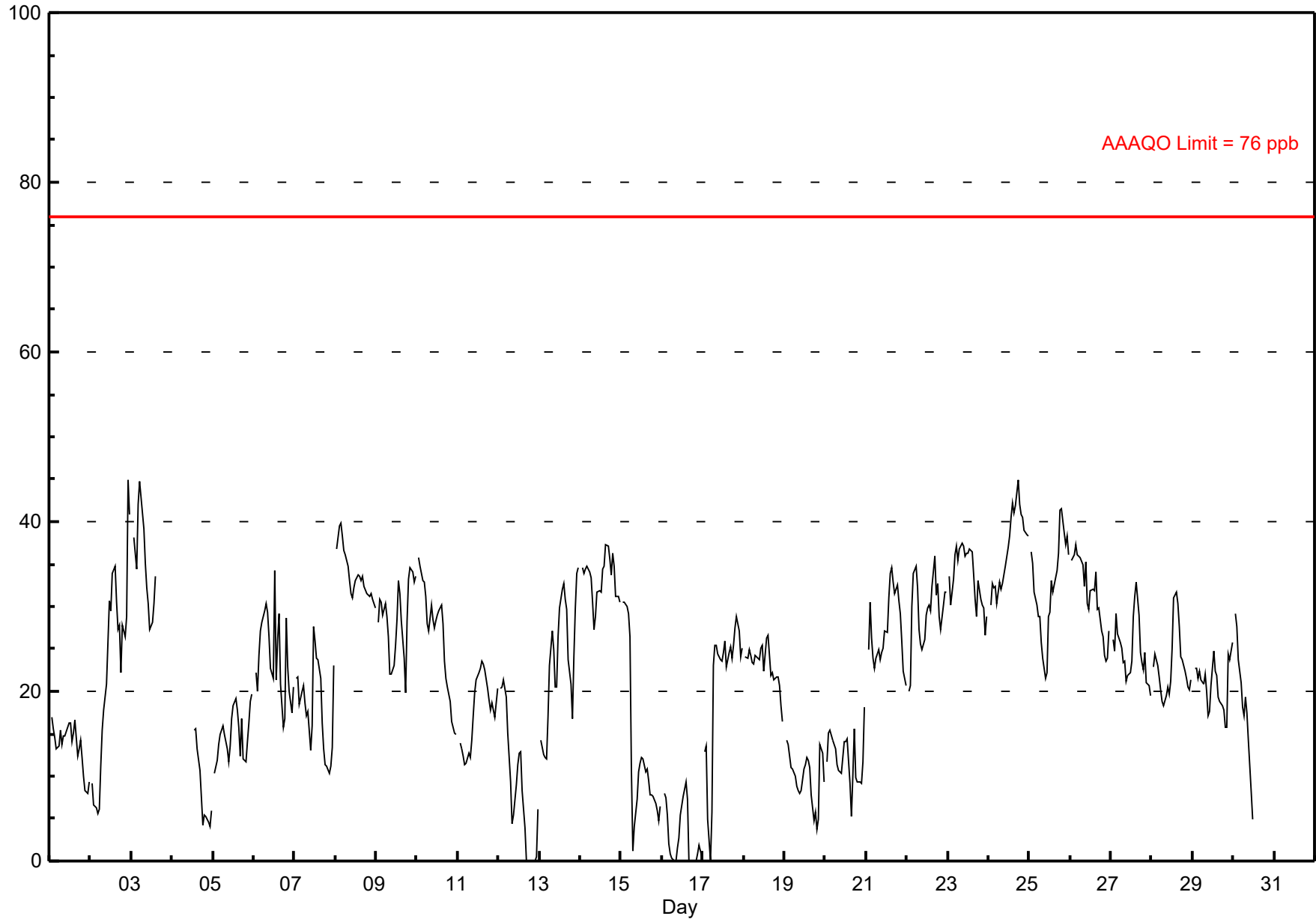
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Dec	A	17	16	15	13	14	15	14	15	15	15	16	16	14	15	17	12	13	14	12	10	8	8	9	13.6	17.0
2-Dec	A	9	7	6	6	6	11	15	18	21	26	31	29	34	35	30	27	28	22	28	26	29	45	41	23.0	44.9
3-Dec	A	38	36	34	42	45	43	39	35	32	30	27	28	30	34	C	C	M	M	M	M	M	M	M	--	44.8
4-Dec	M	M	M	M	M	M	M	M	M	M	C	C	C	15	16	13	11	7	4	5	5	5	4	6	--	15.5
5-Dec	A	10	12	14	15	15	16	15	13	12	14	17	18	19	18	16	12	17	12	12	14	16	19	20	15.0	19.7
6-Dec	A	22	20	24	27	28	30	30	29	26	23	22	34	21	26	29	21	16	17	29	23	20	17	20	24.2	34.2
7-Dec	A	22	22	18	20	21	19	17	18	13	16	28	26	24	24	22	16	13	11	11	10	11	13	23	18.1	27.6
8-Dec	A	37	40	40	38	37	36	35	33	32	31	32	33	34	34	33	34	32	32	31	31	32	31	30	33.7	39.9
9-Dec	A	28	31	30	29	30	29	26	22	22	23	25	28	33	32	28	24	20	28	33	35	34	33	34	28.6	34.7
10-Dec	A	36	35	33	33	31	28	27	30	29	27	28	29	30	30	28	24	22	21	19	16	16	15	15	26.1	35.8
11-Dec	A	14	13	12	11	11	13	12	14	17	20	21	22	23	24	23	22	20	19	18	19	18	17	20	17.6	23.5
12-Dec	A	20	20	21	19	15	12	9	4	5	9	11	13	13	8	4	0	0	0	0	0	0	0	6	8.4	21.3
13-Dec	A	14	12	12	12	17	23	27	25	21	21	26	30	32	33	31	30	24	21	17	24	30	34	35	23.9	34.6
14-Dec	A	35	34	34	35	34	33	31	27	29	32	32	32	34	35	37	37	36	34	36	35	31	31	31	33.2	37.2
15-Dec	A	31	30	30	29	26	11	1	4	7	10	11	12	12	10	11	9	8	8	8	7	6	5	6	12.8	30.6
16-Dec	A	8	8	5	2	1	0	0	0	2	3	5	8	8	9	7	0	0	0	0	0	1	2	1	3.0	9.4
17-Dec	A	13	14	5	0	6	23	25	25	24	24	24	25	26	23	25	25	24	26	27	29	27	24	25	21.2	28.8
18-Dec	A	24	24	25	24	23	23	24	24	24	25	22	26	27	24	22	22	21	22	22	21	18	16	16	23.0	26.6
19-Dec	A	14	14	12	11	11	10	9	8	8	8	11	11	12	12	11	8	5	6	4	5	14	13	9	9.8	14.2
20-Dec	A	12	15	15	14	14	13	11	11	10	12	14	14	14	9	5	10	16	10	9	9	9	12	18	12.1	18.2
21-Dec	A	25	31	26	24	23	24	25	24	25	25	27	27	31	34	35	33	32	32	31	29	26	22	21	27.4	34.6
22-Dec	A	20	21	30	34	35	32	27	26	25	26	29	30	30	29	32	36	31	33	29	27	30	32	32	29.4	35.9
23-Dec	A	34	30	33	36	37	35	37	37	37	37	36	36	37	36	34	31	29	33	31	30	30	27	29	33.5	37.5
24-Dec	A	30	33	32	32	30	33	32	33	34	35	37	38	40	42	41	42	45	42	41	41	39	38	38	36.9	44.9
25-Dec	A	36	35	32	30	29	29	26	24	21	22	29	29	33	32	33	34	36	41	41	39	37	38	36	32.3	41.5
26-Dec	A	35	36	37	36	36	36	35	32	35	30	30	32	32	32	34	30	30	27	26	24	24	24	27	31.3	37.2
27-Dec	A	26	25	29	27	26	25	23	24	21	22	22	24	29	31	33	29	25	23	23	25	21	21	19	24.9	32.9
28-Dec	A	23	24	23	22	20	19	18	19	21	20	21	25	31	32	30	28	24	24	22	22	21	20	21	23.0	31.6
29-Dec	A	23	23	22	22	21	21	22	20	17	18	21	25	22	22	19	19	18	18	16	16	24	24	26	20.8	25.7
30-Dec	A	29	28	24	21	18	17	19	17	14	8	5	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	29.2
31-Dec	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
--		23.6	23.7	23.3	23.0	22.8	22.7	21.9	21.1	20.6	21.1	22.9	24.9	25.6	25.6	24.5	22.3	21.1	20.7	20.7	20.4	20.7	21.0	21.9	Diurnal Average	
--		38.1	39.5	39.9	42.1	44.8	42.9	39.1	37.5	37.1	36.0	37.0	38.4	40.4	42.2	40.9	41.8	44.9	42.0	41.5	40.6	38.9	44.9	40.8	Diurnal Maximum	

C - Calibration      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span  
 Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 76 ppb      24-hr na

# Hourly Averages

Ozone (O<sub>3</sub>) - ppb

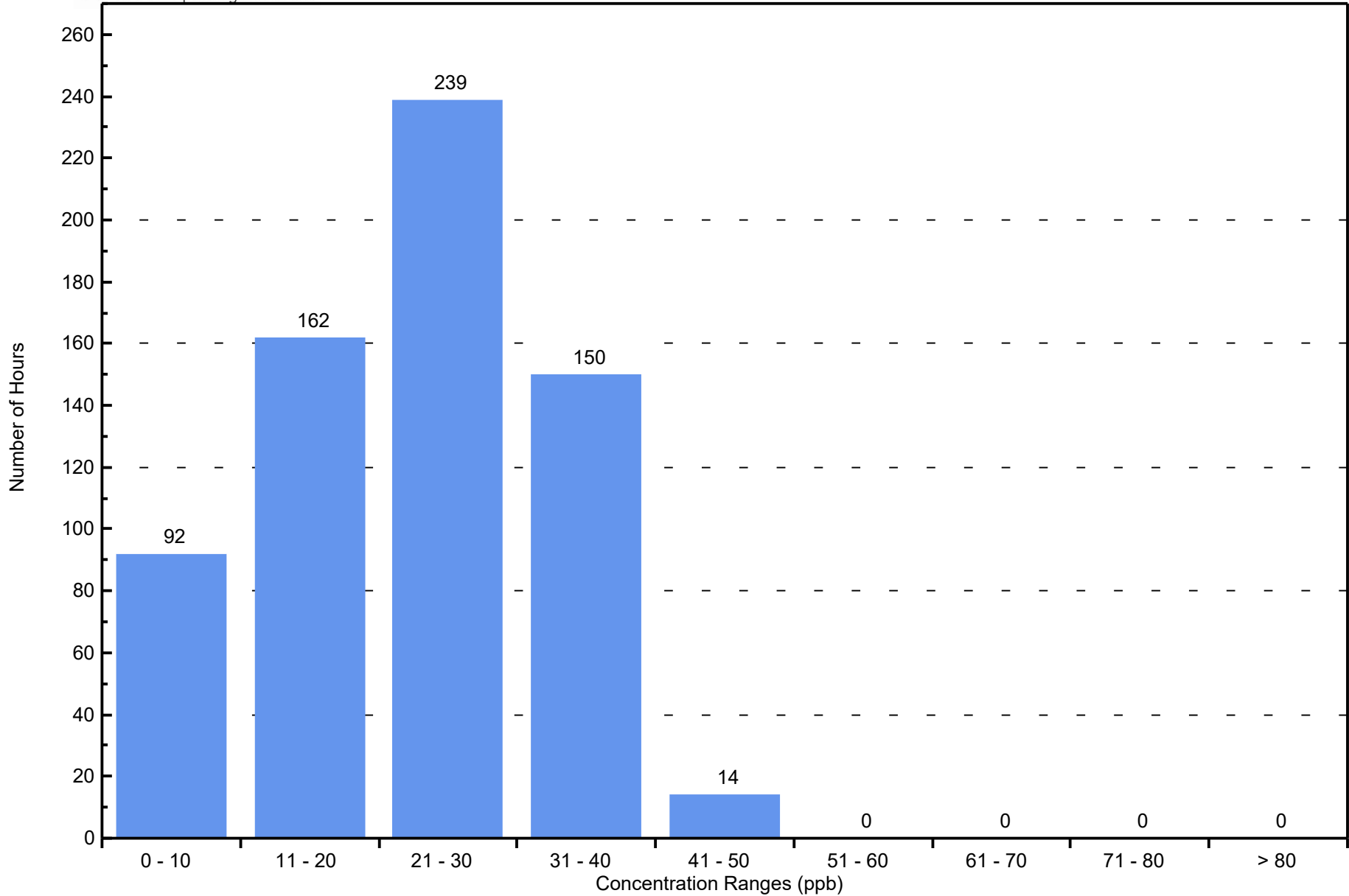
Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



# Histogram of Hourly Averages

Ozone (O<sub>3</sub>) - ppb

Eagle Valley Community Hall - December 2024



# Hourly Averages

**PM2.5 (PM<sub>2.5</sub>) - µg/m<sup>3</sup>**

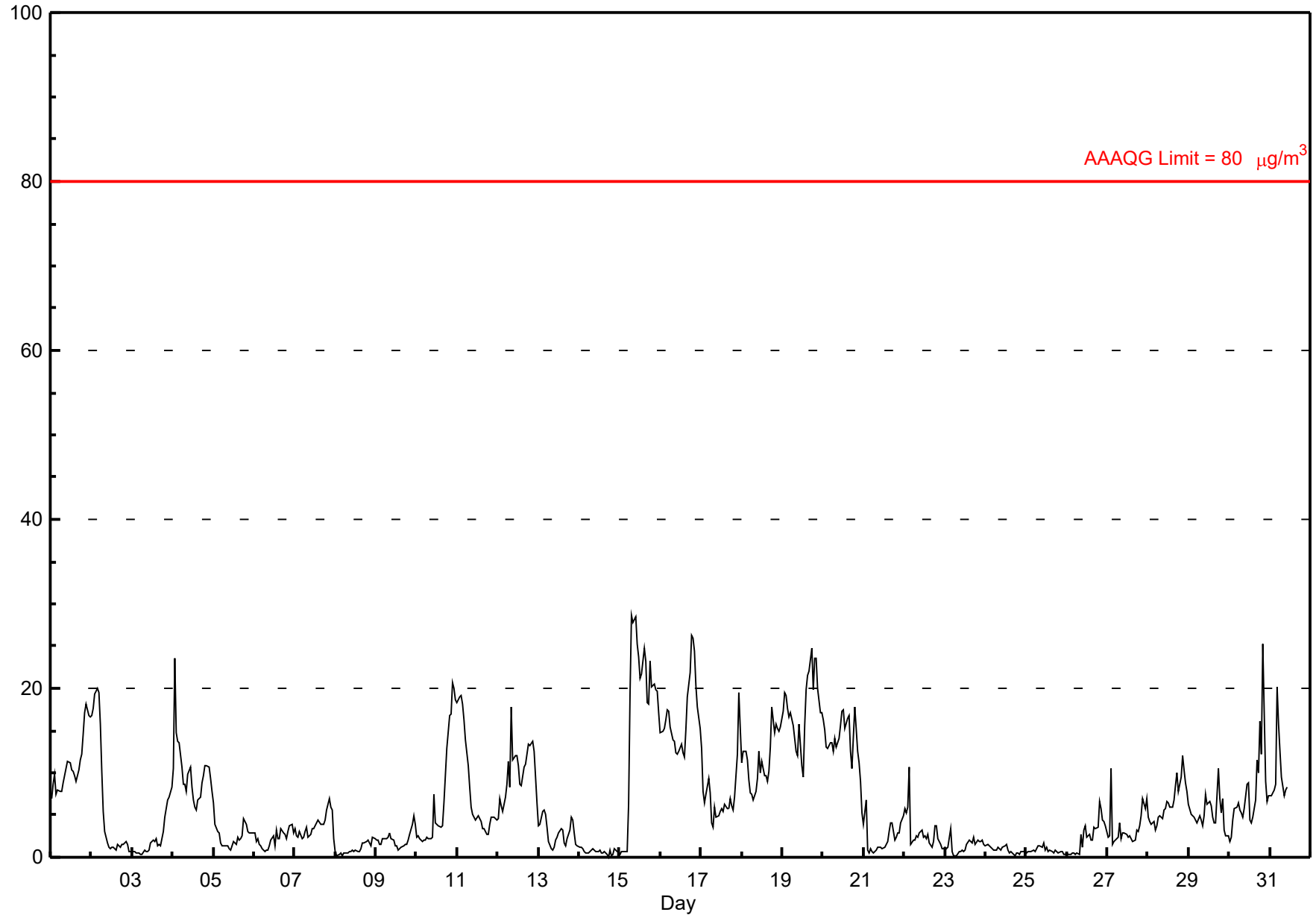
**Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025**

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 28.7 µg/m <sup>3</sup> on Dec 15 08:00      Maximum Daily Average: 17.6 µg/m <sup>3</sup> on Dec 19																	Hours in Service: 733 Hours of Data: 731																															
Minimum Value: 0 µg/m <sup>3</sup> on Dec 14 18:00      Minimum Daily Average: 0.7 µg/m <sup>3</sup> on Dec 14 Maximum Diurnal Average: 8.7 µg/m <sup>3</sup> at hour 21      Minimum Diurnal Average: 5.3 µg/m <sup>3</sup> at hour 14 Monthly Average: 6.31 µg/m <sup>3</sup> Percentiles: P <sub>1</sub> = 0.2 P <sub>10</sub> = 0.7 Q <sub>1</sub> = 1.6 Median = 3.9 Q <sub>3</sub> = 9.6 P <sub>90</sub> = 16.2 P <sub>99</sub> = 24.7																	Hours of Missing Data: 2 Hours of Calibration: 2 Percent Operational Time: 100.0																															
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Dec	7	9	10	7	8	8	8	9	10	10	11	11	10	10	10	9	10	12	12	15	17	18	17	17	11.0	18.1																						
2-Dec	17	18	19	20	19	16	10	5	3	2	1	1	1	1	1	2	1	1	2	2	2	2	1	1	6.1	19.9																						
3-Dec	1	1	1	1	0	0	0	1	1	1	1	2	2	2	2	1	2	1	3	5	6	7	7	8	2.3	8.4																						
4-Dec	10	24	15	14	14	11	9	9	8	10	11	8	7	6	6	7	7	9	10	11	11	11	9	8	10.0	23.6																						
5-Dec	6	4	3	3	2	1	1	1	1	1	1	1	2	2	2	2	2	3	5	4	3	3	3	3	2.5	6.4																						
6-Dec	3	2	2	2	1	1	1	1	1	1	2	3	1	3	2	2	3	3	3	2	3	4	4	3	2.2	4.0																						
7-Dec	3	3	2	3	2	2	3	3	2	3	3	3	4	4	4	4	4	4	4	6	7	6	6	2	3.7	7.0																						
8-Dec	1	0	0	1	0	1	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	1.0	2.4																						
9-Dec	2	2	2	2	2	2	2	2	3	2	2	1	1	1	1	1	1	2	2	2	3	4	5	4	2.1	4.9																						
10-Dec	2	2	2	2	2	2	2	2	2	2	7	4	4	4	4	4	6	10	13	17	17	21	20	19	7.1	20.7																						
11-Dec	18	19	19	18	16	14	11	8	6	5	5	4	5	5	4	3	3	3	3	4	5	5	5	4	8.0	19.2																						
12-Dec	5	7	6	5	7	9	11	8	18	11	12	12	11	9	8	11	11	12	13	13	14	13	10	6	10.1	17.7																						
13-Dec	4	4	5	6	5	4	2	1	1	1	2	2	3	3	3	2	1	2	3	5	4	3	2	1	2.9	5.5																						
14-Dec	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	0	0	1	1	1	0.7	1.2																						
15-Dec	0	1	1	1	1	6	19	29	28	28	25	24	21	22	25	23	18	18	23	20	21	20	20	17	17.1	28.7																						
16-Dec	15	15	15	16	17	17	15	14	14	12	12	13	13	12	12	15	19	22	26	26	24	20	18	15	16.7	26.3																						
17-Dec	13	8	7	7	9	8	4	4	6	5	5	5	6	5	6	6	6	7	6	6	7	12	19	15	7.6	19.5																						
18-Dec	11	13	13	12	9	8	7	7	8	9	13	10	11	10	10	9	10	13	18	15	16	15	15	15	11.5	17.8																						
19-Dec	17	19	19	18	17	17	16	14	13	12	16	11	9	16	20	21	22	25	20	24	24	20	17	17	17.6	24.8																						
20-Dec	16	15	13	13	14	14	13	14	13	14	16	17	17	15	16	17	12	11	14	18	13	11	9	5	13.8	17.8																						
21-Dec	4	7	1	0	1	1	0	1	1	1	1	1	1	2	2	3	4	4	2	2	3	3	4	5	2.3	6.8																						
22-Dec	6	5	6	11	2	2	2	3	2	3	3	2	2	2	3	2	1	2	4	4	2	1	1	1	3.0	10.6																						
23-Dec	1	1	1	3	1	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1.3	3.4																						
24-Dec	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	0	1	0	0	1	1	1	0.9	1.6																						
25-Dec	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	1	1	0	1	1	0	0	0.8	1.7																						
26-Dec	0	0	0	1	0	0	0	0	3	1	3	4	2	3	2	2	4	3	4	7	6	4	4	4	2.4	6.7																						
27-Dec	2	3	10	2	2	2	2	4	2	3	3	3	2	2	2	2	2	3	3	4	5	7	6	7	3.5	10.5																						
28-Dec	5	4	4	4	3	4	5	5	5	6	6	7	7	6	6	7	8	10	8	9	12	10	9	8	6.5	12.0																						
29-Dec	6	5	5	5	4	4	5	4	4	5	7	6	7	6	5	4	4	11	7	5	7	3	3	3	5.2	10.5																						
30-Dec	2	2	4	6	6	6	6	5	5	6	9	9	4	4	5	7	12	10	16	12	25	9	7	7	7.7	25.2																						
31-Dec	7	7	8	9	20	16	13	9	7	8	8	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	20.2																						
																								6.1	6.5	6.4	6.2	6.1	5.7	5.5	5.4	5.5	5.4	6.2	5.7	5.4	5.3	5.5	5.7	6.0	6.8	7.6	8.0	8.7	7.9	7.5	6.7	Diurnal Average
																								18.4	23.6	19.2	19.9	20.2	17.3	19.3	28.7	27.7	28.4	25.2	23.7	21.1	21.8	24.7	23.3	22.1	24.8	26.3	25.9	25.2	20.7	20.0	18.7	Diurnal Maximum
C - Calibration      NS - Not in service																																																
Alberta Ambient Air Quality Guidelines (AAAQG): 1-hr 80 µg/m <sup>3</sup> Alberta Ambient Air Quality Objectives (AAAQO): 24-hr 29 µg/m <sup>3</sup>																																																

# Hourly Averages

PM2.5 (PM<sub>2.5</sub>) -  $\mu\text{g}/\text{m}^3$

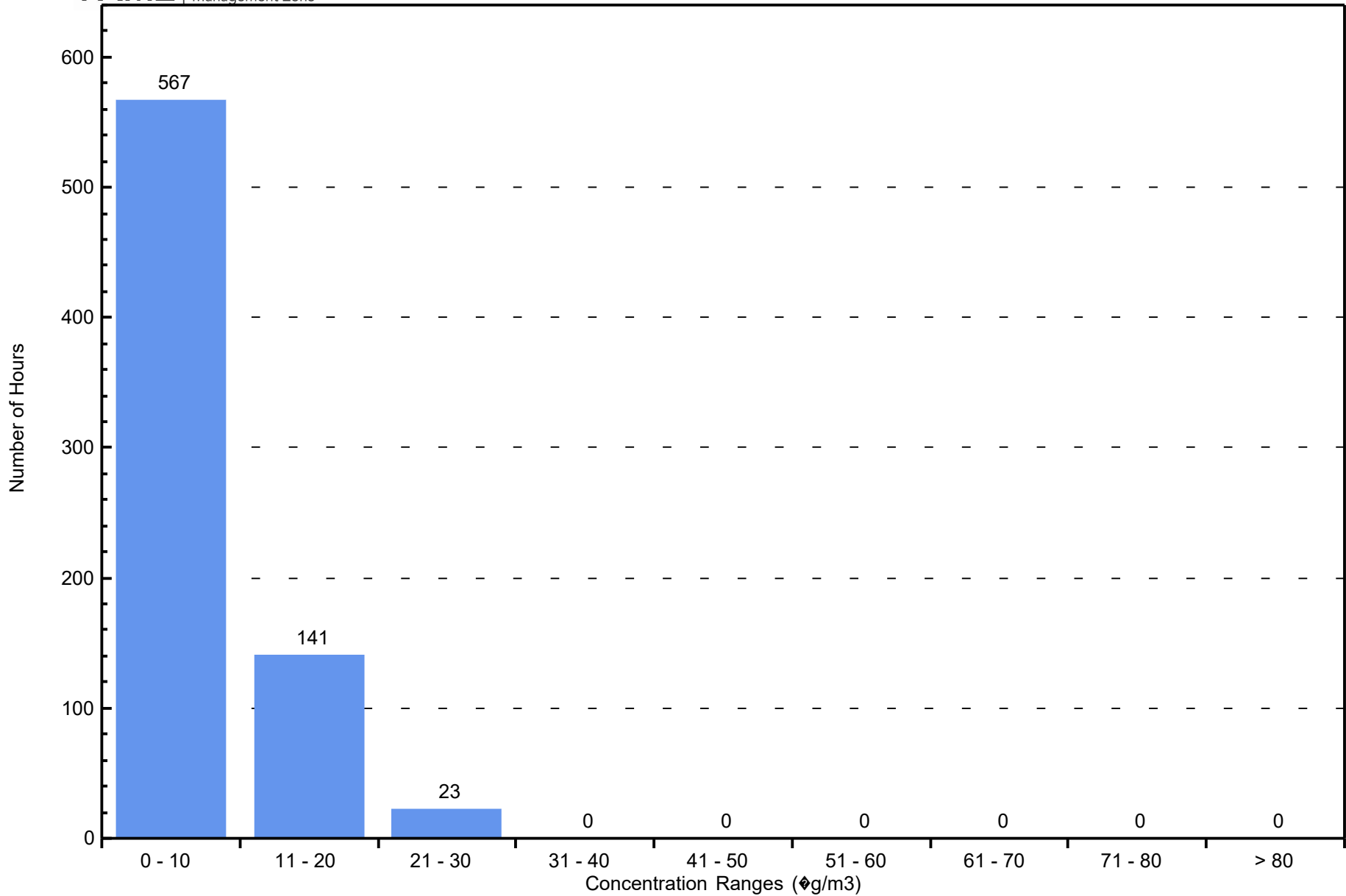
Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



# Histogram of Hourly Averages

PM2.5 (PM<sub>2.5</sub>) - μg/m<sup>3</sup>

Eagle Valley Community Hall - December 2024



# Hourly Averages

# Total Hydrocarbons (THC) - ppm

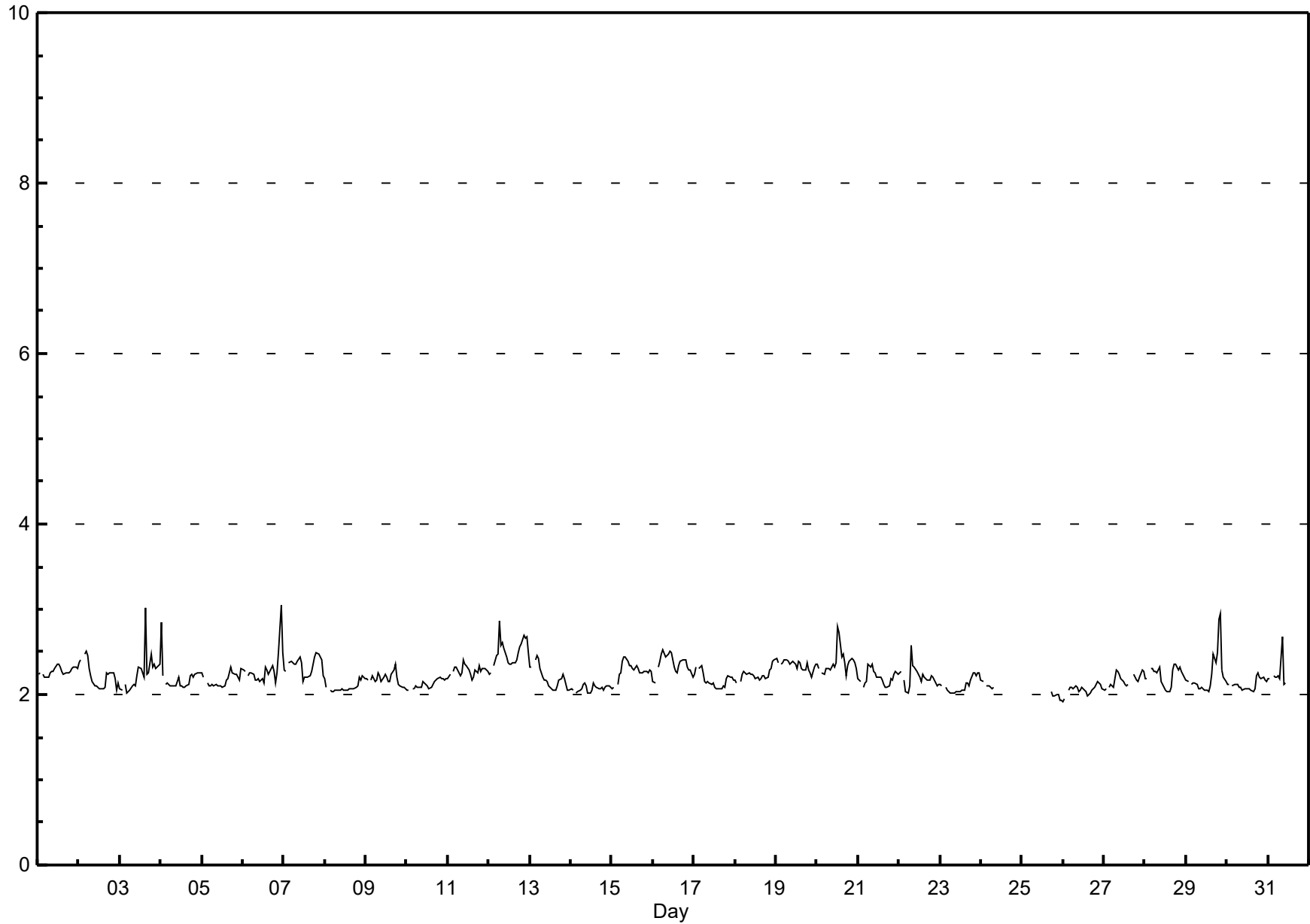
## Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0 Maximum Value: 3.05 ppm on Dec 6 23:00      Maximum Daily Average: 2.49 ppm on Dec 12		Hours in Service: 733 Hours of Data: 666 Hours of Missing Data: 67 Hours of Calibration: 35 Percent Operational Time: 95.6																								
Minimum Value: 1.9 ppm on Dec 26 01:00 Maximum Diurnal Average: 2.28 ppm at hour 21 Monthly Average: 2.218 ppm		Minimum Daily Average: 2.06 ppm on Dec 26 Minimum Diurnal Average: 2.17 ppm at hour 15 Percentiles: P <sub>1</sub> = 2.00 P <sub>10</sub> = 2.06 Q <sub>1</sub> = 2.10 Median = 2.20 Q <sub>3</sub> = 2.30 P <sub>90</sub> = 2.39 P <sub>99</sub> = 2.75																								
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Dec	2.2	2.3	A	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.27	2.36
2-Dec	2.4	2.4	A	2.5	2.5	2.5	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.2	2.3	2.3	2.3	2.2	2.0	2.1	2.22	2.50
3-Dec	2.1	2.0	A	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.3	2.3	2.3	2.2	3.0	2.2	2.3	2.5	2.3	2.4	2.3	2.3	2.4	2.25	3.01
4-Dec	2.9	2.2	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.19	2.85
5-Dec	2.3	2.2	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.17	2.32
6-Dec	2.3	2.3	A	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.3	2.3	2.2	2.3	2.3	2.3	2.1	2.3	2.5	3.0	2.5	2.29	3.05
7-Dec	2.3	2.3	A	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.4	2.4	2.2	2.33	2.49
8-Dec	2.2	2.1	A	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.09	2.23
9-Dec	2.2	2.2	A	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.3	2.4	2.2	2.1	2.1	2.1	2.1	2.1	2.18	2.35
10-Dec	2.0	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.12	2.21
11-Dec	2.2	2.2	A	2.3	2.3	2.3	2.2	2.2	2.2	2.4	2.4	2.3	2.3	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.28	2.41
12-Dec	2.2	2.3	A	2.3	2.5	2.5	2.9	2.6	2.6	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.7	2.5	2.49	2.86
13-Dec	2.3	2.3	A	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.19	2.45
14-Dec	2.1	2.1	A	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.07	2.13
15-Dec	2.1	2.1	A	2.1	2.2	2.2	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.28	2.44
16-Dec	2.1	2.1	A	2.3	2.4	2.5	2.5	2.4	2.5	2.5	2.5	2.5	2.3	2.3	2.2	2.3	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.36	2.52
17-Dec	2.2	2.3	A	2.3	2.3	2.3	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.17	2.35
18-Dec	2.2	2.1	A	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.4	2.4	2.23	2.41
19-Dec	2.4	2.4	A	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.3	2.3	2.3	2.4	2.3	2.2	2.2	2.3	2.4	2.35	2.42
20-Dec	2.4	2.3	A	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.8	2.7	2.4	2.5	2.4	2.2	2.3	2.4	2.4	2.4	2.4	2.3	2.38	2.79
21-Dec	2.2	2.2	A	2.1	2.1	2.2	2.4	2.3	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.2	2.20	2.35
22-Dec	2.3	2.3	A	2.2	2.0	2.0	2.1	2.6	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.20	2.58
23-Dec	2.1	2.1	A	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.11	2.25
24-Dec	2.2	2.1	A	2.1	2.1	2.1	2.1	2.1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	--	2.17
25-Dec	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	--	2.04
26-Dec	1.9	2.0	A	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.06	2.15
27-Dec	2.1	2.1	A	2.1	2.1	2.1	2.2	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1	M	M	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.17	2.29
28-Dec	2.2	2.2	A	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.1	2.1	2.1	2.0	2.0	2.1	2.3	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.22	2.35
29-Dec	2.2	2.2	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.2	2.5	2.4	2.5	2.9	3.0	2.3	2.2	2.1	2.23	2.96
30-Dec	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.12	2.25
31-Dec	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.7	2.1	2.1	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	2.68
		2.21	2.19	--	2.19	2.21	2.21	2.22	2.23	2.24	2.21	2.20	2.19	2.18	2.18	2.17	2.21	2.22	2.23	2.25	2.26	2.28	2.25	2.26	2.22	Diurnal Average
		2.85	2.41	--	2.48	2.50	2.47	2.86	2.58	2.68	2.54	2.50	2.50	2.79	2.73	2.45	3.01	2.47	2.50	2.56	2.88	2.96	2.66	3.05	2.50	Diurnal Maximum
C - Calibration		M - Maintenance						N - Not Valid						NS - Not in service						A - Automated Daily Zero Span						

## Hourly Averages

Total Hydrocarbons (THC) - ppm

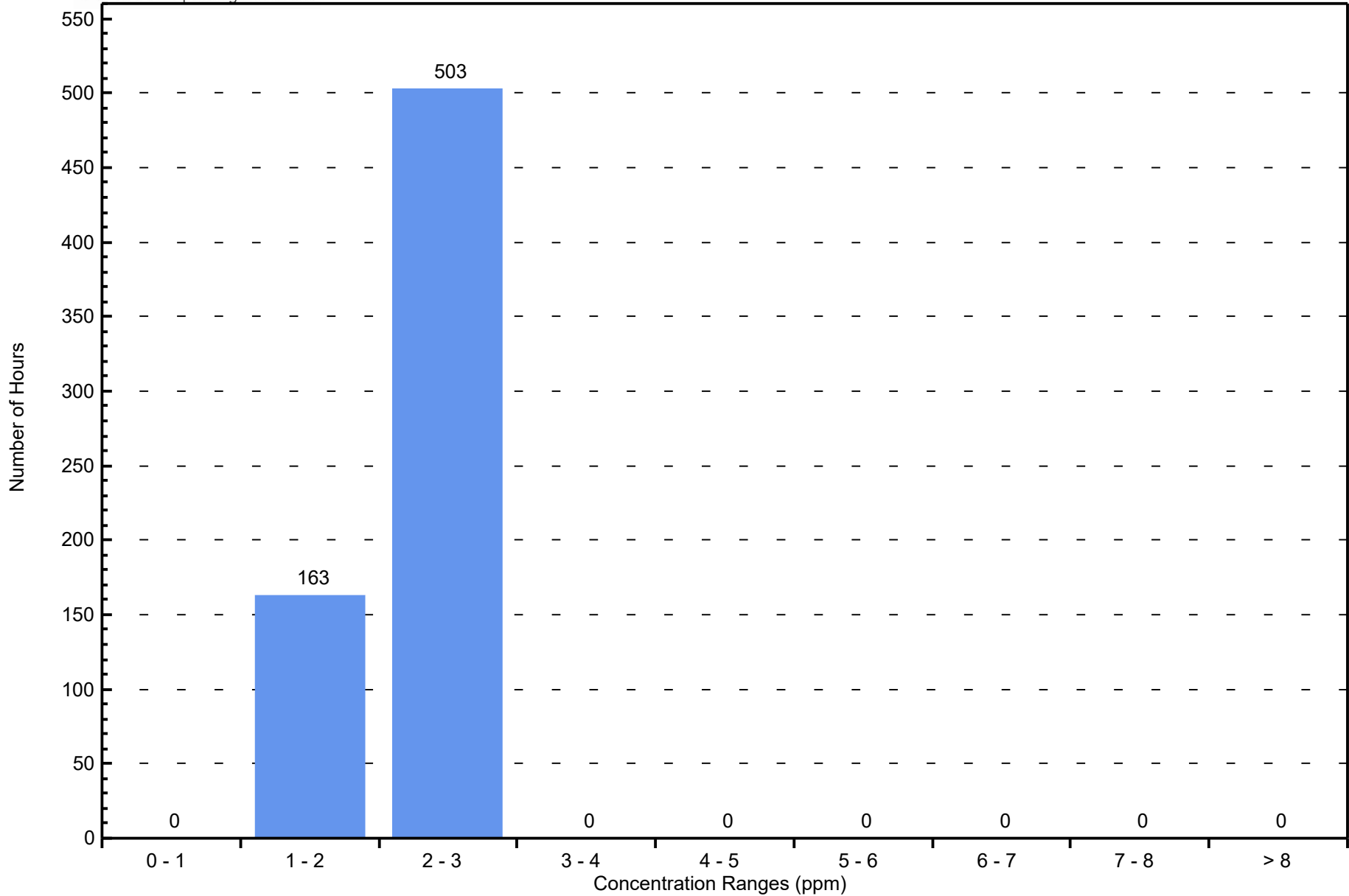
Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



# Histogram of Hourly Averages

Total Hydrocarbons (THC) - ppm

Eagle Valley Community Hall - December 2024



# Hourly Averages

Methane (CH<sub>4</sub>) - ppm

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Number of Exceedences (AAQO):	1-hr: 0	24-hr: 0	Hours in Service:	733
Maximum Value: 2.67 ppm on Dec 12 21:00	Maximum Daily Average: 2.47 ppm on Dec 12		Hours of Data:	666
Minimum Value: 1.9 ppm on Dec 26 01:00	Minimum Daily Average: 2.06 ppm on Dec 26		Hours of Missing Data:	67
Maximum Diurnal Average: 2.26 ppm at hour 21	Minimum Diurnal Average: 2.16 ppm at hour 15		Hours of Calibration:	35
Monthly Average: 2.206 ppm	Percentiles: P <sub>1</sub> = 2.00 P <sub>10</sub> = 2.06 Q <sub>1</sub> = 2.10 Median = 2.20 Q <sub>3</sub> = 2.29 P <sub>90</sub> = 2.38 P <sub>99</sub> = 2.56		Percent Operational Time:	95.6

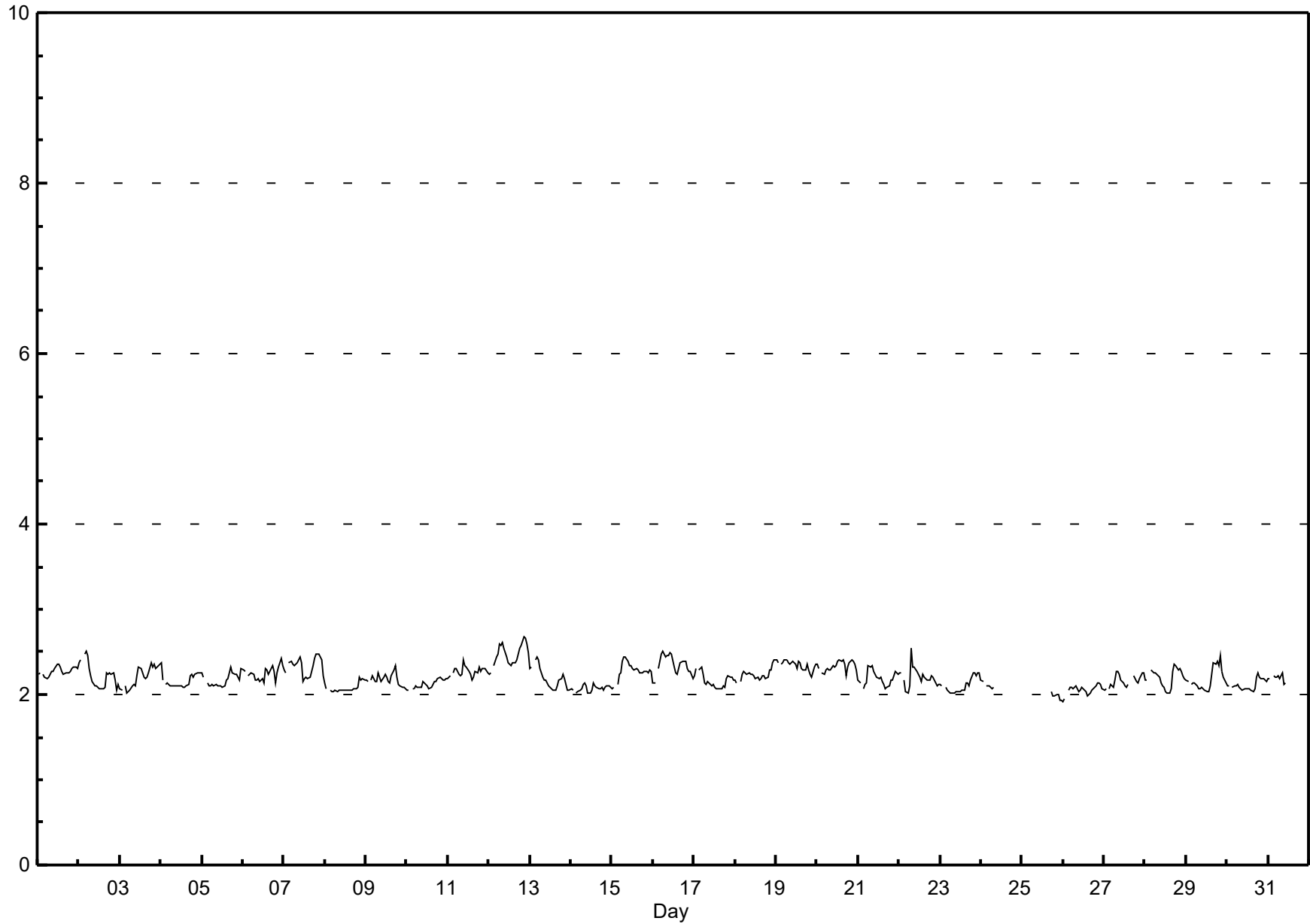
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Dec	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.27	2.36																						
2-Dec	2.4	2.4	A	2.5	2.5	2.5	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.2	2.3	2.2	2.2	2.2	2.0	2.1	2.22	2.50																						
3-Dec	2.1	2.0	A	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.4	2.3	2.3	2.3	2.3	2.4	2.20	2.37																						
4-Dec	2.4	2.2	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.16	2.37																						
5-Dec	2.3	2.2	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.17	2.32																						
6-Dec	2.3	2.3	A	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.3	2.3	2.2	2.3	2.3	2.3	2.1	2.3	2.3	2.4	2.3	2.25	2.42																						
7-Dec	2.3	2.3	A	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.4	2.5	2.5	2.4	2.4	2.2	2.33	2.48																						
8-Dec	2.1	2.1	A	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.08	2.20																						
9-Dec	2.2	2.2	A	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.18	2.35																						
10-Dec	2.0	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.12	2.20																						
11-Dec	2.2	2.2	A	2.3	2.3	2.3	2.2	2.2	2.2	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.27	2.41																						
12-Dec	2.2	2.2	A	2.3	2.4	2.5	2.6	2.6	2.6	2.5	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.6	2.5	2.47	2.67																						
13-Dec	2.3	2.3	A	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.19	2.45																						
14-Dec	2.1	2.1	A	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.07	2.13																						
15-Dec	2.1	2.1	A	2.1	2.2	2.2	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.28	2.44																						
16-Dec	2.1	2.1	A	2.3	2.4	2.5	2.5	2.4	2.5	2.5	2.5	2.5	2.3	2.3	2.2	2.3	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.35	2.51																						
17-Dec	2.2	2.3	A	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.16	2.33																						
18-Dec	2.2	2.1	A	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.4	2.4	2.23	2.41																						
19-Dec	2.4	2.4	A	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.3	2.4	2.4	2.3	2.3	2.4	2.3	2.2	2.2	2.3	2.4	2.34	2.41																						
20-Dec	2.3	2.3	A	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.2	2.3	2.4	2.4	2.4	2.4	2.3	2.33	2.41																						
21-Dec	2.2	2.1	A	2.1	2.1	2.1	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.2	2.19	2.34																						
22-Dec	2.3	2.3	A	2.2	2.0	2.0	2.1	2.5	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.20	2.54																						
23-Dec	2.1	2.1	A	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.11	2.25																						
24-Dec	2.2	2.1	A	2.1	2.1	2.1	2.1	2.1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	--	2.17																						
25-Dec	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	C	2.0	2.0	2.0	2.0	2.0	1.9	1.9	--	2.04																						
26-Dec	1.9	2.0	A	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.06	2.14																						
27-Dec	2.1	2.1	A	2.1	2.1	2.1	2.2	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.1	M	M	2.2	2.2	2.2	2.1	2.2	2.3	2.3	2.16	2.28																						
28-Dec	2.2	2.2	A	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.20	2.35																						
29-Dec	2.2	2.2	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.2	2.4	2.4	2.4	2.3	2.5	2.3	2.2	2.18	2.46																						
30-Dec	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.11	2.25																						
31-Dec	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.3	2.1	2.1	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	2.26																						
																								2.19	2.18	--	2.19	2.20	2.20	2.21	2.22	2.22	2.21	2.20	2.19	2.17	2.17	2.16	2.17	2.21	2.23	2.24	2.24	2.26	2.24	2.23	2.22	Diurnal Average
																								2.41	2.41	--	2.48	2.50	2.47	2.60	2.57	2.61	2.54	2.50	2.47	2.38	2.40	2.39	2.41	2.40	2.48	2.55	2.58	2.67	2.65	2.59	2.49	Diurnal Maximum

C - Calibration      M - Maintenance      N - Not Valid      NS - Not in service      A - Automated Daily Zero Span

## Hourly Averages

Methane (CH<sub>4</sub>) - ppm

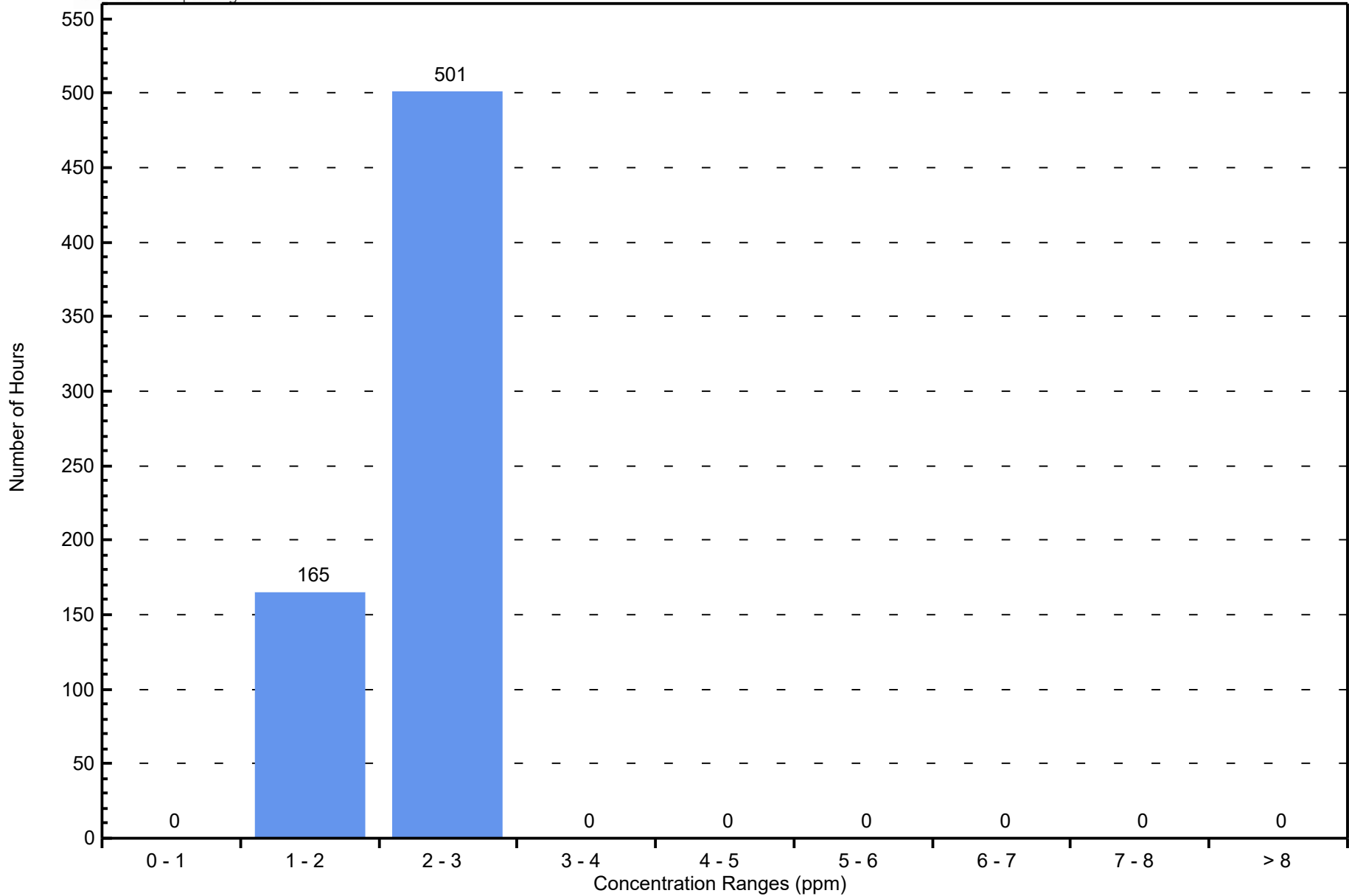
Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



# Histogram of Hourly Averages

Methane (CH<sub>4</sub>) - ppm

Eagle Valley Community Hall - December 2024



# Hourly Averages

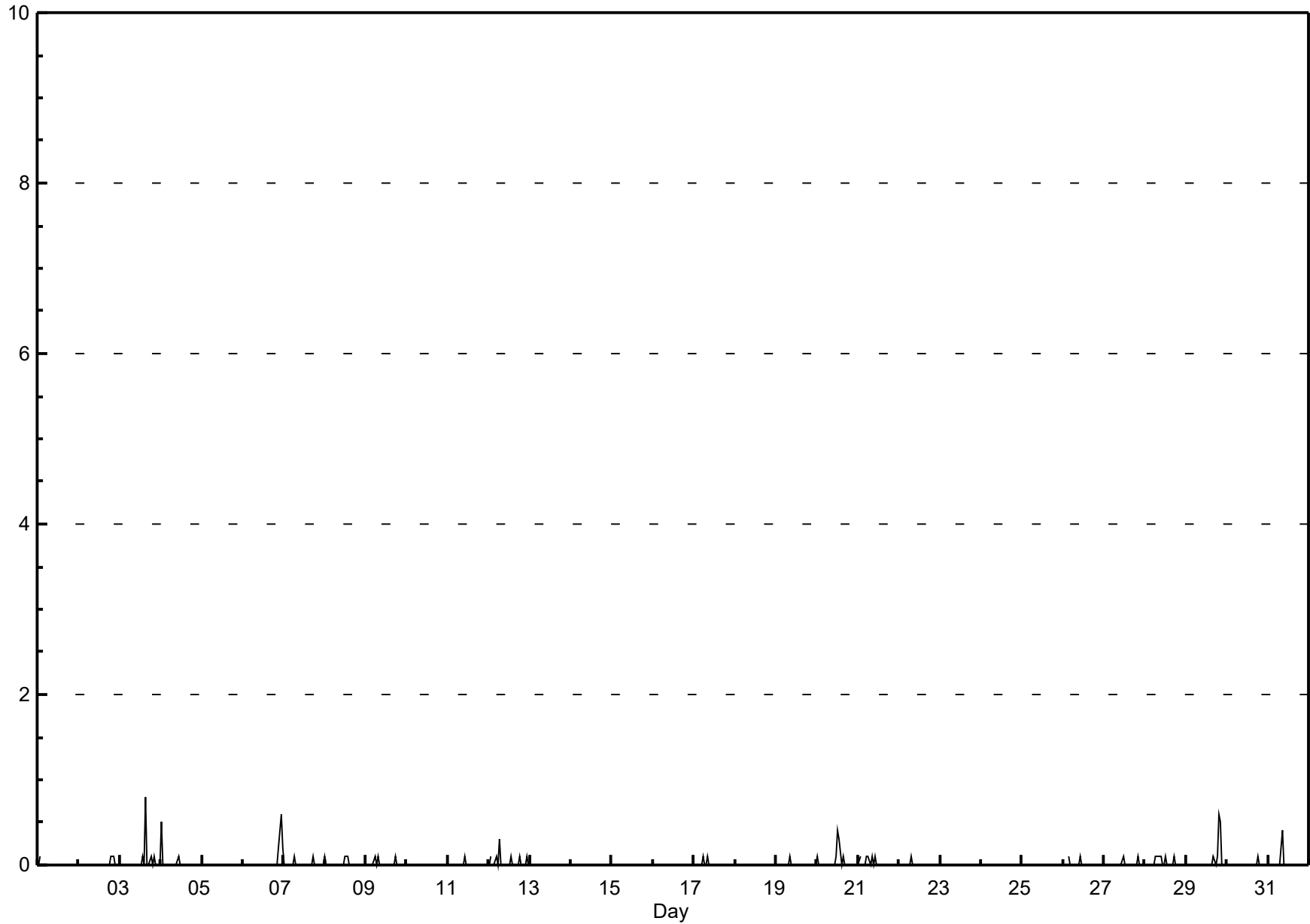
# Non Methane Hydrocarbon (NMHC) - ppm

## Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0 Maximum Value: 0.80 ppm on Dec 3 16:00      Maximum Daily Average: 0.06 ppm on Dec 29		Hours in Service: 733 Hours of Data: 666 Hours of Missing Data: 67 Hours of Calibration: 35 Percent Operational Time: 95.6																								
Minimum Value: 0.0 ppm on Dec 1 01:00 Maximum Diurnal Average: 0.03 ppm at hour 16 Monthly Average: 0.014 ppm		Minimum Daily Average: 0.00 ppm on Dec 5 Minimum Diurnal Average: 0.00 ppm at hour 15 Percentiles: P <sub>1</sub> = 0.00 P <sub>10</sub> = 0.00 Q <sub>1</sub> = 0.00 Median = 0.00 Q <sub>3</sub> = 0.00 P <sub>90</sub> = 0.00 P <sub>99</sub> = 0.34																								
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Dec	0.0	0.1	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10
2-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.01	0.10
3-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.8	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.05	0.80
4-Dec	0.5	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.50
5-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
6-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.2	0.04	0.60
7-Dec	0.0	0.0	A	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10
8-Dec	0.1	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10
9-Dec	0.0	0.0	A	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10
10-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
11-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10
12-Dec	0.0	0.1	A	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.03	0.30
13-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
14-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
15-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
16-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
17-Dec	0.0	0.0	A	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10
18-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
19-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10
20-Dec	0.1	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.40
21-Dec	0.0	0.1	A	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.10
22-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10
23-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
24-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	--	0.00
25-Dec	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.00
26-Dec	0.0	0.0	A	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10
27-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	M	M	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.01	0.10
28-Dec	0.0	0.0	A	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.10
29-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.6	0.5	0.0	0.0	0.0	0.06	0.60
30-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00	0.10
31-Dec	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	0.40
		0.02	0.01	--	0.00	0.00	0.01	0.02	0.01	0.03	0.00	0.01	0.01	0.02	0.02	0.00	0.03	0.00	0.01	0.01	0.02	0.03	0.01	0.02	0.01	Diurnal Average
		0.50	0.10	--	0.10	0.10	0.10	0.30	0.10	0.40	0.10	0.10	0.10	0.40	0.30	0.00	0.80	0.10	0.10	0.10	0.60	0.50	0.20	0.60	0.20	Diurnal Maximum
C - Calibration		M - Maintenance						N - Not Valid						NS - Not in service						A - Automated Daily Zero Span						

# Hourly Averages Non Methane Hydrocarbon (NMHC) - ppm

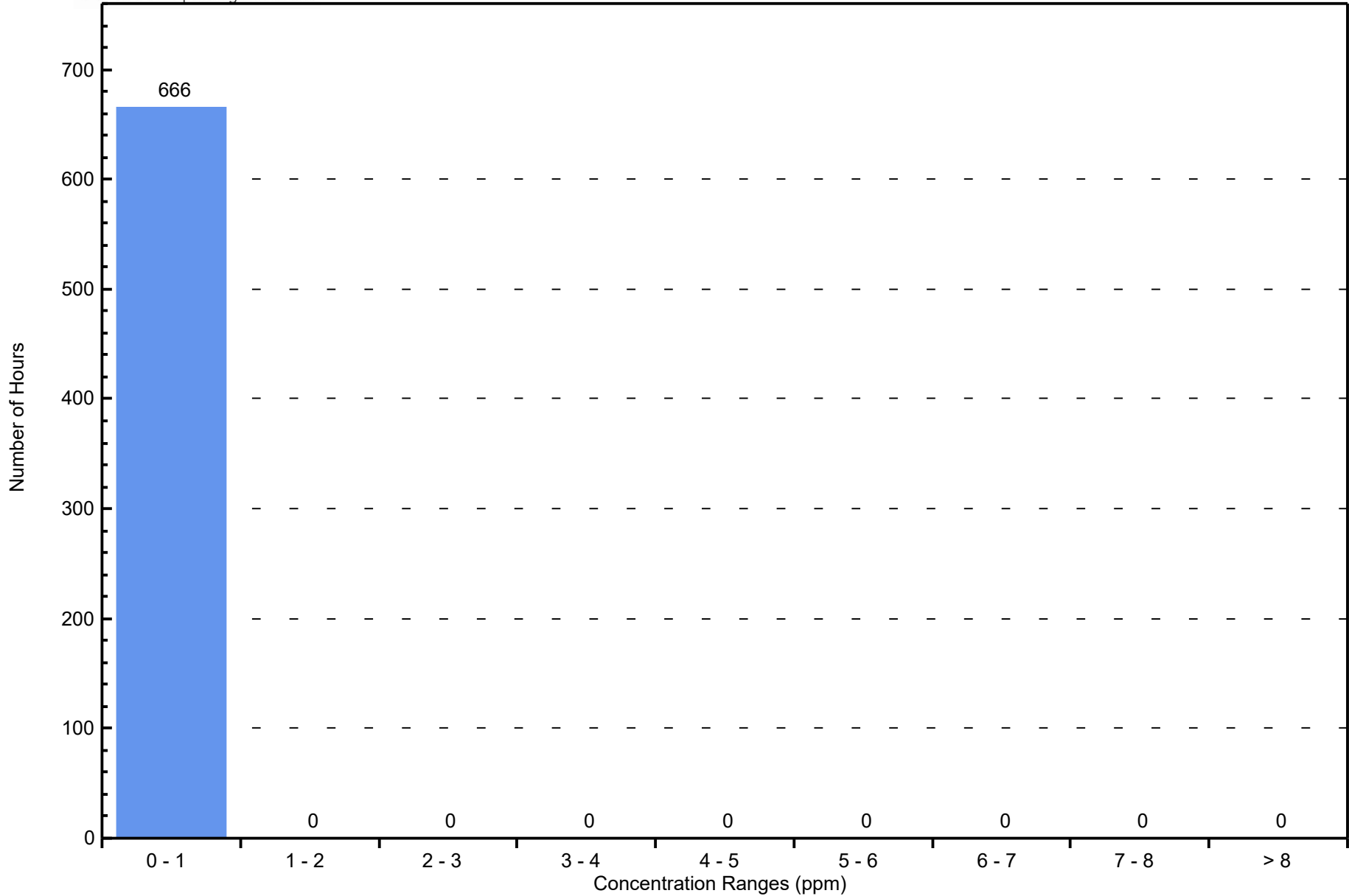
## Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



# Non Methane Hydrocarbon (NMHC) - ppm

## Histogram of Hourly Averages

### Eagle Valley Community Hall - December 2024



# Hourly Averages

Wind Speed (km/h)

Wind Direction (deg)

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Maximum Speed: 19 km/h on Dec 23 06:00	Maximum Daily Speed Average: 11 km/h on Dec 8	Hours in Service: 733
Minimum Speed Value: 0 km/h on Dec 9 16:00	Minimum Daily Speed Average: 1 km/h on Dec 16	Hours of Data: 704
Maximum Diurnal Speed Average: 3 km/h at hour 20	Minimum Diurnal Speed Average: 1 km/h at hour 16	Hours of Missing Data: 29
Monthly Average Velocity: 1.9 km/h 210.8 deg	Percentiles: P <sub>1</sub> = 0.2 P <sub>10</sub> = 1.2 Q <sub>1</sub> = 2.2 Median = 3.7 Q <sub>3</sub> = 5.1 P <sub>90</sub> = 7.0 P <sub>99</sub> = 13.3	Percent Operational Time: 96.2

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Dec	3NNW	1N	1E	1S	0SSW	1S	2SSE	2S	4S	5S	4S	4SSE	3SE	3SE	2SSE	2SSE	2SE	2SSE	3S	6S	5S	5SSW	1SSE	N	2S	6S
2-Dec	2NW	1S	3S	5SSW	4SSW	4SSW	5SSW	5SSW	8S	5SSW	4SSW	6S	2SSW	5SSW	4SSW	3SSW	4SSW	4SSW	1S	4SSW	5S	5SSW	11WSW	1WSW	4SSW	11WSW
3-Dec	2SW	5S	3S	4SW	9WSW	8WSW	6WSW	8W	5NNW	2NW	3S	1SW	4S	3S	3S	3SSW	5S	4S	4S	3SSW	1NNE	1NW	2S	1N	3SW	9WSW
4-Dec	1NNE	3NE	3E	5E	5ESE	3SE	2SE	5SSE	3SSE	4SSE	2SSE	4SSE	4SSE	5SSE	3S	1S	1SSW	5S	6S	6S	6S	4S	5SSW	5SSW	3SSE	6S
5-Dec	6S	6SSW	3SSW	4S	4S	2SSW	6S	5SSW	3SSW	6S	7S	6S	6S	3S	1SW	0NNE	1SSW	4S	4S	4SSW	5S	4S	4SSW	7S	4S	7S
6-Dec	2SSW	4S	3S	4S	4S	4S	8S	5S	3S	4S	2S	1SW	6SW	1SE	3SSW	4SSW	1S	2S	2SSW	3SSW	0NW	2NNE	1S	5S	3S	8S
7-Dec	0WNW	4S	1SSE	0SE	4S	6S	N	3S	2S	1SSW	N	5SSW	3SSW	4S	5SSW	2SSW	0SW	2SSW	2S	1WSW	2SSW	1SW	1NE	5NW	2SSW	6S
8-Dec	19NNW	15NW	13NW	13NNW	13NNW	13NNW	14NNW	13NNW	13NNW	12NNW	11NNW	12NNW	12NNW	12NNW	10NNW	10NNW	9NNW	8NNW	8NNW	7NW	5NW	5NW	5NW	6W	11NNW	19NNW
9-Dec	9W	6WNW	6WNW	8WNW	6W	8W	8W	3WSW	3S	1S	3S	4S	4W	5NNW	0ESE	0SW	2SSW	3S	7WNW	6WNW	5NW	7NW	9NNW	9NNW	4WNW	9NNW
10-Dec	8NNW	7NNW	6NNW	3WNW	4WNW	5WNW	8W	9W	7W	8W	1W	1SSE	1SSE	1SSE	1S	1S	2S	4S	5S	3SSW	1SSW	5S	2S	1S	2W	9W
11-Dec	N	3S	3S	2SSW	4S	4S	4S	3SSW	4S	3SSW	4S	3S	1ENE	1S	1S	1SE	N	N	3S	3S	5S	4S	5S	4S	3S	5S
12-Dec	4S	4SSW	4S	3S	1SE	1ESE	1NE	2SSE	1SE	2SSE	2S	3S	2S	4S	4S	4S	5SSW	6S	4SSW	3S	3S	3SSW	5S	5S	3S	6S
13-Dec	5SSW	2SSW	1SSW	N	1ENE	1ESE	1ESE	2S	3S	2S	1S	N	1S	1S	2SSW	2S	3S	2SSE	2S	2SSE	5SSW	5S	5SSW	5SSW	2S	5SSW
14-Dec	5S	3SSW	3SSW	5SSW	7S	4S	3S	3SSW	4S	7S	6SSW	7SSW	5S	5SSW	5SSW	6SSW	6SSW	5SW	6W	11W	3W	3SW	5SSW	5S	5SSW	11W
15-Dec	5SSW	7SSW	6S	5SSW	3SSW	3NNE	7N	9N	8N	7N	3NNW	3NW	4NNW	4NNW	5N	4N	5NNW	3NNW	3NNW	2W	N	N	2WNW	3NNW	2NNW	9N
16-Dec	1SSE	2S	3SSW	5S	2SSW	3S	3S	3S	N	2S	2SSW	2S	4S	2S	1NE	7ENE	5NE	5N	4N	3N	4NNE	2NNE	2NNE	3NNE	1ESE	7ENE
17-Dec	3NNE	3NNE	4NNE	3NNE	2NNE	4NE	2NE	N	N	N	N	1S	2S	2SSE	2SE	4SE	4ESE	3SE	3SE	3SE	2SE	3SE	3SE	3SE	2ESE	4ESE
18-Dec	3SE	4SE	5SE	5SE	4SE	4SE	4SE	3SE	3SSE	3SE	3NE	5NNE	6N	7NNW	10NNW	9NNW	9NNW	7NNW	6NW	4NW	2WNW	1NW	1SSW	1S	1N	10NNW
19-Dec	3SSW	4S	2SSW	2S	2SSE	4S	7S	5SSW	5S	2SSW	1ENE	1NNE	4NNE	5NNE	3N	1NNE	1NE	0SE	4S	4S	4SSE	4SSE	4SSE	4SSE	2S	7S
20-Dec	6SSE	4SSE	1ENE	0S	2SSW	3NNE	2NNE	2NE	2W	2S	4S	3S	4S	1SSE	N	0NNW	3SW	4S	2SSE	2S	3S	1S	2S	2S	2S	6SSE
21-Dec	2NNE	2WSW	2SSW	1N	1NNE	1WSW	4S	7S	5S	7S	6S	3S	1SSE	5S	4SSW	4SSW	5SSW	5SSW	5SSW	7S	6SSW	2SSW	N	N	3SSW	7S
22-Dec	0NNW	0SSW	2WSW	4WNW	7NNW	4N	3NNE	1W	4S	6S	4S	6S	5S	2S	3S	3S	3SSW	3SSW	5SSW	5SSW	5SSW	6SSW	6SSW	4SSW	2SSW	7NNW
23-Dec	5S	4SSW	3S	3S	11WSW	19SW	13SW	12WSW	11WSW	10SW	8WSW	10WSW	4W	1WNW	2E	2SSW	6S	5SSW	6SSW	2S	5S	5SSW	3S	4SSW	6SW	19SW
24-Dec	4SSW	5S	7SSW	6SSW	7SSW	7S	3SSW	4SSW	7S	8S	6S	7S	7S	6SSW	5S	5S	10WNW	15WSW	10SW	8SW	6SSW	6S	7SSW	7SSW	6SSW	15WSW
25-Dec	13WSW	4W	3WSW	1SSE	2SSW	4S	5S	4S	4S	5S	5S	5SSW	3S	6SSW	9SW	9SW	5SSW	6SSW	8SSW	7S	7S	6S	6SSW	3S	5SSW	13WSW
26-Dec	4S	5S	6S	3SSE	5S	5SSW	4SSW	6S	4SSW	4SSW	3S	2S	3SSW	1SSW	4SSW	1SSE	4SSW	4S	3SSW	N	2S	3S	2SSW	2W	3S	6S
27-Dec	3W	2S	1SW	2W	2S	4S	3S	2S	4S	2SSW	0WSW	2S	3S	1SSE	1S	3SSW	1SSE	1SW	2S	6S	5S	5S	5S	4S	2S	6S
28-Dec	7S	7S	4SSW	2S	N	N	1S	2S	4SSW	5S	1SSW	1S	2S	3S	2SSW	1S	4S	3S	5S	3SSW	5S	5S	6S	6S	4S	7S
29-Dec	5SSW	4SSW	4SSW	3S	2S	2S	3SSW	4S	3SSW	1S	1S	N	3S	1NNE	2NNE	4N	1N	1NNW	1NNW	N	2NNE	4NNW	5NNW	4NNW	1SW	5NNW
30-Dec	4NNW	4NW	2WNW	3WNW	1NW	1NW	2WNW	7NNW	1WNW	4NNW	6NNW	4NNW	4NNW	5NNW	6N	5NNE	4NNE	3N	5NNE	3NNE	2NE	2NE	N	1NE	3NNW	7NNW
31-Dec	0WNW	1S	1SSW	0NNE	N	N	N	N	3NNE	1NNE	1NNE	3NNE	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	3NNE

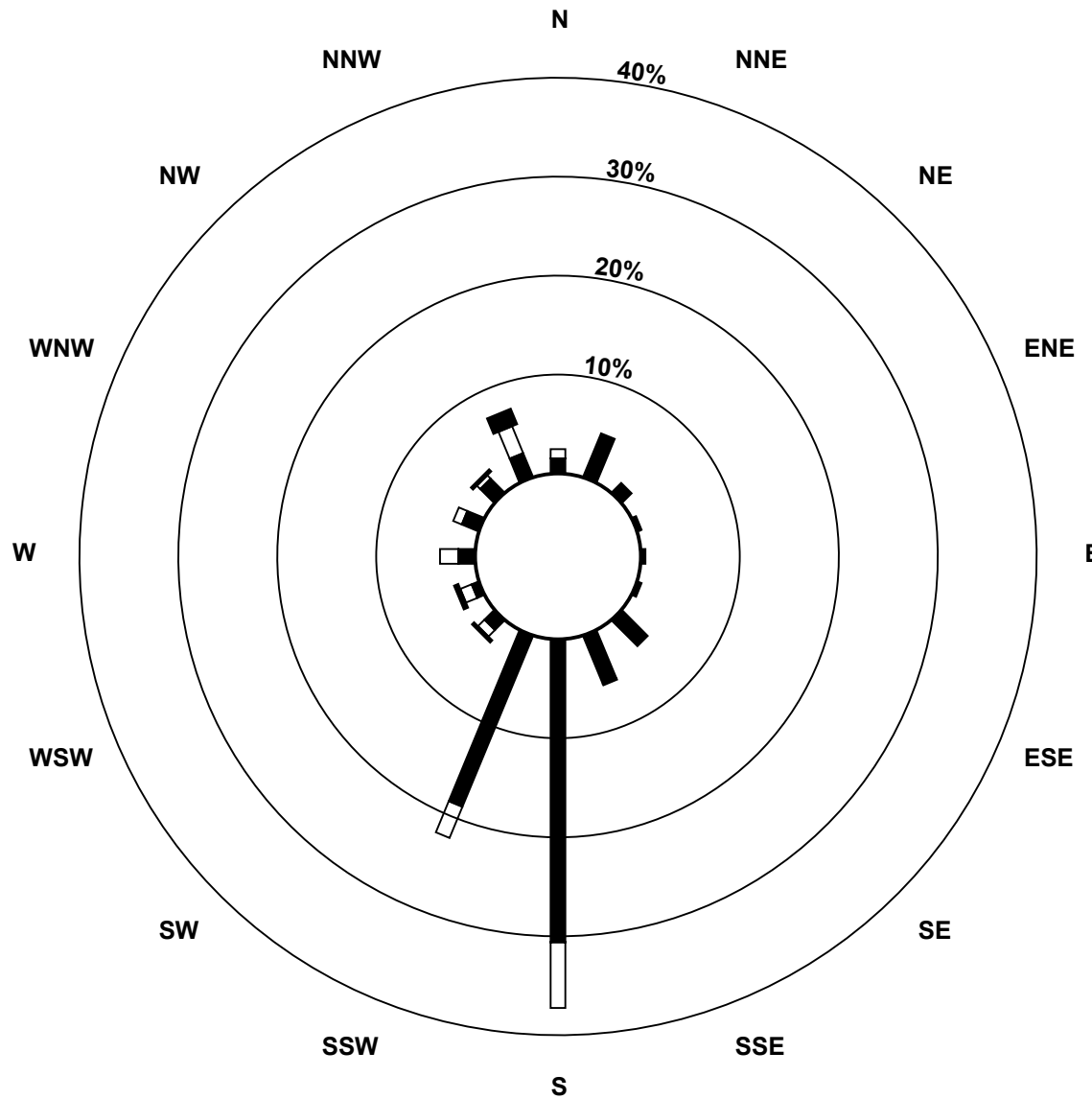
2WSW	2SSW	2SSW	2SSW	2SW	2SW	2SW	2SW	2SSW	2SSW	2SSW	2SSW	2SSW	2SSW	1SW	1SW	1SSW	1SW	2SSW	2SW	3SSW	3SSW	2SSW	2SSW	2SSW	Diurnal Average
19NNW	15NW	13NW	13NNW	13NNW	19SW	14NNW	13NNW	13NNW	12NNW	11NNW	12NNW	12NNW	12NNW	10NNW	10NNW	10WNW	15WSW	10SW	11W	7S	7NW	11WSW	9NNW	Diurnal Maximum	

C - Calibration      N - Not Valid      NS - Not in service  
 All monthly, daily, and diurnal averages have been calculated using vector methods

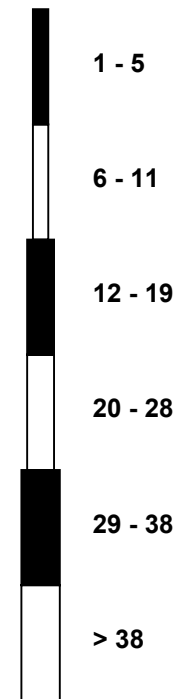
# Wind Rose

## Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Wind Speed (WS) (km/h)



Wind Speed Classes (km/h)



# Hourly Standard Deviations

Wind Direction (WD) - deg

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Maximum Value: 98.7 deg on Dec 27 11:00		Hours in Service: 733																							
Minimum Value: 4.3 deg on Dec 5 12:00		Hours of Data: 704																							
Percentiles: P <sub>1</sub> = 5.0 P <sub>10</sub> = 7.4 Q <sub>1</sub> = 10.3 Median = 17.9 Q <sub>3</sub> = 47.0 P <sub>90</sub> = 72.6 P <sub>99</sub> = 95.1		Hours of Missing Data: 29																							
		Hours of Calibration: 1																							
		Percent Operational Time: 96.2																							
Day	Hourly Period Ending At (MST)																								Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1-Dec	26	39	61	51	96	76	78	50	12	5	15	7	21	28	19	12	16	19	28	9	11	12	63	N	96.1
2-Dec	26	82	10	9	7	8	6	9	7	8	16	11	77	14	12	33	21	15	81	27	12	35	11	92	91.9
3-Dec	53	25	50	58	9	12	15	8	13	60	34	78	13	16	20	25	6	17	14	13	83	34	44	79	82.9
4-Dec	25	26	26	10	11	18	23	9	13	13	17	32	25	9	29	66	78	9	9	14	14	10	10	10	77.6
5-Dec	5	14	22	20	13	16	10	10	50	10	5	4	5	15	95	86	84	23	16	11	15	37	18	25	95.4
6-Dec	59	18	48	19	44	30	18	10	19	15	52	81	41	95	56	34	79	54	68	62	93	78	86	9	95.2
7-Dec	97	20	82	82	16	11	N	19	30	64	N	7	28	26	20	69	83	73	26	88	62	85	73	18	96.7
8-Dec	7	7	9	10	8	8	6	6	6	8	8	7	7	6	9	7	7	8	7	10	8	7	10	17	17.4
9-Dec	7	6	8	8	10	15	6	40	45	78	20	9	31	20	98	93	50	56	18	10	7	8	9	9	98.1
10-Dec	6	9	6	29	10	7	9	5	5	8	96	50	76	57	85	74	39	6	26	48	86	14	40	71	95.5
11-Dec	N	14	16	12	15	15	12	21	28	18	14	39	73	60	67	61	N	N	13	13	20	26	10	33	73.3
12-Dec	11	9	7	37	78	86	64	21	61	32	15	28	30	11	8	8	8	10	10	17	13	13	10	11	86.0
13-Dec	17	53	80	N	71	51	95	39	29	27	84	N	56	42	33	51	18	28	77	44	12	7	6	6	95.1
14-Dec	21	37	12	10	9	45	37	44	27	11	13	25	14	15	17	13	9	59	59	13	77	68	27	32	77.1
15-Dec	27	20	8	8	53	74	10	11	9	11	15	26	21	17	16	15	10	14	14	29	N	N	31	48	74.3
16-Dec	80	27	14	7	47	35	43	12	N	55	23	15	11	70	55	14	20	11	8	13	7	15	12	15	80.0
17-Dec	10	11	8	15	13	11	12	N	N	N	N	71	33	28	22	18	11	19	14	17	16	21	16	19	70.5
18-Dec	20	16	12	11	12	16	19	27	41	33	35	14	12	9	8	6	6	7	14	17	19	51	59	75	75.0
19-Dec	46	16	61	34	40	15	8	11	7	21	46	36	12	10	15	28	35	77	35	12	10	9	8	9	76.9
20-Dec	7	21	68	87	77	60	30	45	47	64	14	29	11	67	N	66	47	15	71	65	51	85	55	57	87.2
21-Dec	50	91	84	88	90	72	57	21	23	7	7	54	70	24	16	16	9	8	5	5	16	43	N	N	91.0
22-Dec	76	72	57	41	16	26	35	48	12	9	14	5	6	13	14	7	6	6	6	9	5	6	6	6	76.3
23-Dec	11	26	35	70	35	10	6	7	11	7	7	8	48	69	42	34	11	20	27	60	11	12	15	10	69.8
24-Dec	15	8	15	12	6	7	41	9	9	8	12	5	5	6	10	12	31	8	18	14	16	14	11	23	41.3
25-Dec	8	47	85	65	37	16	11	8	12	9	15	8	50	23	17	12	22	10	16	9	6	10	12	46	85.2
26-Dec	16	14	10	66	25	12	12	30	60	14	54	69	31	78	34	71	6	13	59	N	53	22	33	63	77.7
27-Dec	53	50	88	33	55	15	36	64	27	47	99	62	21	59	51	15	80	73	38	15	12	10	11	10	98.7
28-Dec	5	7	10	65	N	N	86	39	30	32	70	67	34	13	49	82	12	11	6	20	7	7	15	11	86.3
29-Dec	11	11	27	32	73	60	45	33	25	86	64	N	74	23	19	8	69	58	65	N	28	11	6	8	86.2
30-Dec	9	10	22	22	73	61	58	7	72	9	8	15	15	21	9	13	10	24	12	17	21	24	N	70	73.5
31-Dec	70	77	81	79	N	N	N	N	10	12	25	7	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	80.8
	96.7	91.0	88.4	88.5	96.1	86.0	95.1	64.4	72.0	86.2	98.7	81.3	76.9	95.2	98.1	92.9	83.7	76.9	81.0	87.7	92.9	85.2	85.8	91.9	
C - Calibration		N - Not Valid			NS - Not in service																				

# Hourly Averages

External Temperature (ET) - °C

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0	Hours in Service: 732
Maximum Value: 9.4 °C on Dec 23 15:00	Maximum Daily Average: 2.3 °C on Dec 24
Minimum Value: -22 °C on Dec 19 06:00	Hours of Data: 732
Maximum Diurnal Average: -0.3 °C at hour 15	Hours of Missing Data: 0
Monthly Average: -5.49 °C	Hours of Calibration: 0
Minimum Daily Average: -18.2 °C on Dec 18	Percent Operational Time: 100.0
Minimum Diurnal Average: -8.4 °C at hour 9	
Percentiles: P <sub>1</sub> = -20.4 P <sub>10</sub> = -17.5 Q <sub>1</sub> = -9.8 Median = -4.2 Q <sub>3</sub> = -0.5 P <sub>90</sub> = 2.8 P <sub>99</sub> = 7.8	

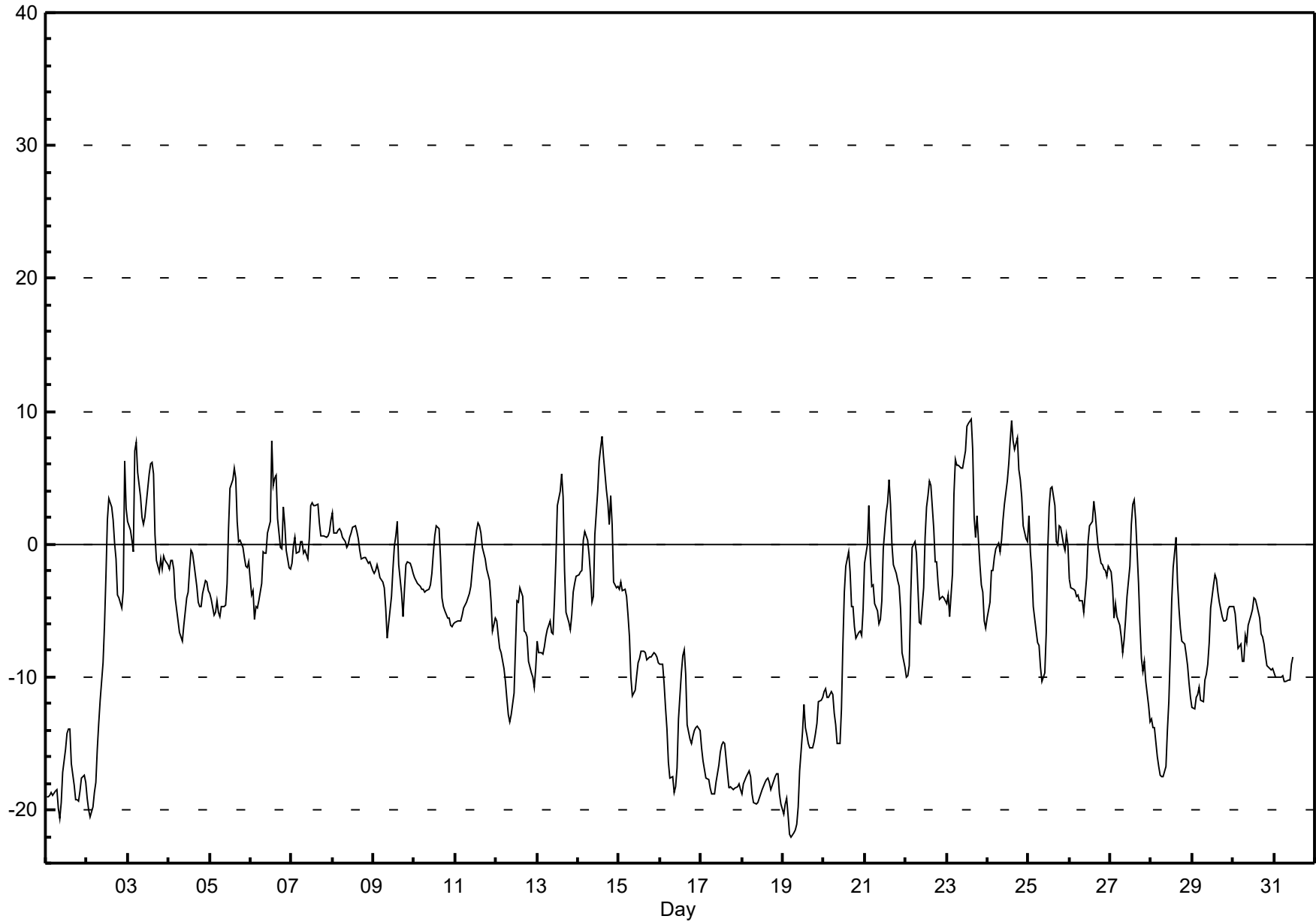
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Dec	-19	-19	-19	-19	-19	-19	-18	-20	-21	-19	-17	-15	-14	-14	-14	-17	-18	-19	-19	-19	-19	-18	-17	-18	-17.9	-13.9																						
2-Dec	-19	-20	-20	-20	-19	-18	-15	-13	-12	-9	-6	-2	2	3	3	2	0	-1	-4	-4	-4	-5	-3	6	3	-7.2	6.2																					
3-Dec	2	1	0	-1	7	8	5	4	2	1	2	3	5	6	6	5	1	-1	-2	-1	-2	-1	-1	-2	2.0	7.6																						
4-Dec	-2	-1	-1	-2	-4	-6	-7	-7	-7	-6	-4	-4	-2	-1	-1	-1	-3	-4	-5	-5	-4	-3	-3	-3	-3.5	-0.5																						
5-Dec	-4	-4	-5	-5	-4	-5	-5	-5	-5	-5	-3	1	4	5	6	5	2	0	0	0	-1	-2	-2	-1	-1.4	5.7																						
6-Dec	-4	-3	-6	-5	-5	-4	-3	-1	-1	-1	1	2	8	4	5	5	2	0	0	3	1	-1	-2	-2	-0.2	7.8																						
7-Dec	-1	0	0	-1	-1	0	0	-1	0	-1	0	3	3	3	3	3	2	1	1	1	1	1	1	2	0.8	3.2																						
8-Dec	2	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	-1	-1	-1	-1	-1	-1	-1	-2	0.1	2.3																						
9-Dec	-2	-2	-2	-2	-3	-3	-3	-5	-7	-6	-4	-2	0	1	2	-2	-4	-5	-3	-2	-1	-1	-2	-2	-2.5	1.7																						
10-Dec	-3	-3	-3	-3	-3	-3	-4	-3	-3	-3	-2	-1	1	1	1	-1	-4	-5	-5	-6	-6	-6	-6	-6	-3.2	1.3																						
11-Dec	-6	-6	-6	-6	-5	-5	-4	-4	-4	-3	-2	-1	1	2	1	1	0	-1	-2	-2	-3	-4	-6	-6	-2.9	1.6																						
12-Dec	-6	-7	-8	-8	-9	-10	-12	-13	-13	-13	-11	-8	-4	-4	-3	-4	-7	-7	-7	-9	-10	-10	-11	-9	-8.4	-3.3																						
13-Dec	-7	-8	-8	-8	-8	-7	-6	-6	-7	-7	-4	-1	3	4	5	4	-2	-5	-6	-6	-5	-4	-3	-2	-4.0	5.3																						
14-Dec	-2	-2	-2	0	1	0	-1	-2	-4	-4	1	4	6	7	8	7	4	3	2	4	2	-3	-3	-3	0.9	8.1																						
15-Dec	-3	-3	-3	-3	-4	-5	-7	-10	-11	-11	-10	-9	-9	-8	-8	-8	-9	-9	-9	-8	-8	-8	-8	-9	-7.6	-2.9																						
16-Dec	-9	-9	-10	-12	-14	-16	-18	-18	-19	-18	-17	-13	-10	-8	-8	-10	-14	-15	-15	-14	-14	-14	-14	-14	-13.4	-8.0																						
17-Dec	-15	-16	-17	-18	-18	-18	-19	-19	-19	-18	-17	-16	-15	-15	-15	-17	-18	-18	-18	-18	-18	-18	-18	-18	-17.4	-14.9																						
18-Dec	-19	-18	-17	-17	-17	-18	-19	-19	-20	-19	-19	-19	-18	-18	-18	-18	-18	-18	-18	-18	-17	-17	-19	-20	-18.2	-17.0																						
19-Dec	-20	-20	-19	-20	-22	-22	-22	-22	-21	-20	-17	-14	-12	-14	-14	-15	-15	-15	-15	-14	-13	-12	-12	-12	-16.8	-11.5																						
20-Dec	-11	-11	-12	-12	-11	-11	-13	-14	-15	-15	-12	-8	-4	-2	-1	-2	-5	-5	-6	-7	-7	-6	-7	-5	-8.3	-0.6																						
21-Dec	-1	0	3	-1	-3	-3	-4	-5	-6	-6	-4	0	2	3	5	3	0	-2	-2	-3	-3	-5	-8	-9	-2.1	4.9																						
22-Dec	-10	-10	-9	-4	0	0	-1	-3	-6	-6	-3	0	3	4	5	4	1	-1	-1	-3	-4	-4	-4	-4	-2.4	4.8																						
23-Dec	-5	-4	-5	-2	4	6	6	6	6	6	6	7	9	9	9	7	2	0	2	-2	-3	-4	-6	-6	2.1	9.4																						
24-Dec	-6	-4	-2	-2	-1	0	0	-1	0	2	3	5	6	8	9	8	7	8	6	5	4	1	0	0	2.3	9.3																						
25-Dec	2	-1	-2	-5	-7	-7	-8	-9	-10	-10	-7	-1	3	4	4	3	0	0	1	1	0	0	1	0	-1.9	4.3																						
26-Dec	-3	-3	-3	-3	-4	-4	-4	-4	-5	-4	-2	0	1	2	3	2	1	0	-1	-2	-2	-2	-2	-2	-1.8	3.2																						
27-Dec	-2	-3	-6	-5	-5	-6	-7	-8	-7	-6	-4	-2	1	3	3	2	-3	-6	-9	-10	-9	-10	-12	-13	-5.1	3.4																						
28-Dec	-13	-14	-14	-16	-17	-17	-18	-18	-17	-14	-12	-8	-4	-2	0	-3	-5	-6	-7	-7	-8	-9	-10	-12	-10.4	0.5																						
29-Dec	-12	-12	-12	-11	-11	-12	-12	-10	-10	-9	-7	-5	-3	-2	-3	-4	-4	-5	-6	-6	-6	-5	-5	-5	-7.3	-2.3																						
30-Dec	-5	-5	-7	-8	-7	-9	-9	-7	-7	-6	-5	-5	-4	-4	-5	-6	-7	-7	-8	-8	-9	-9	-9	-9	-6.9	-4.0																						
31-Dec	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-9	-8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	-8.5																						
																								-6.9	-7.0	-7.2	-7.3	-7.0	-7.2	-7.6	-7.9	-8.4	-7.7	-6.0	-3.7	-1.3	-0.7	-0.3	-1.5	-3.8	-4.9	-5.3	-5.4	-5.7	-6.0	-6.1	-6.3	Diurnal Average
																								2.3	1.1	2.9	1.0	7.0	7.6	6.0	5.9	5.7	5.7	6.4	7.0	8.9	9.1	9.4	7.8	7.2	8.0	5.6	4.9	3.6	1.3	6.2	2.7	Diurnal Maximum

NS - Not in service

# Hourly Averages

External Temperature (ET) - °C

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025



# Hourly Averages

Relative Humidity (RH) - %

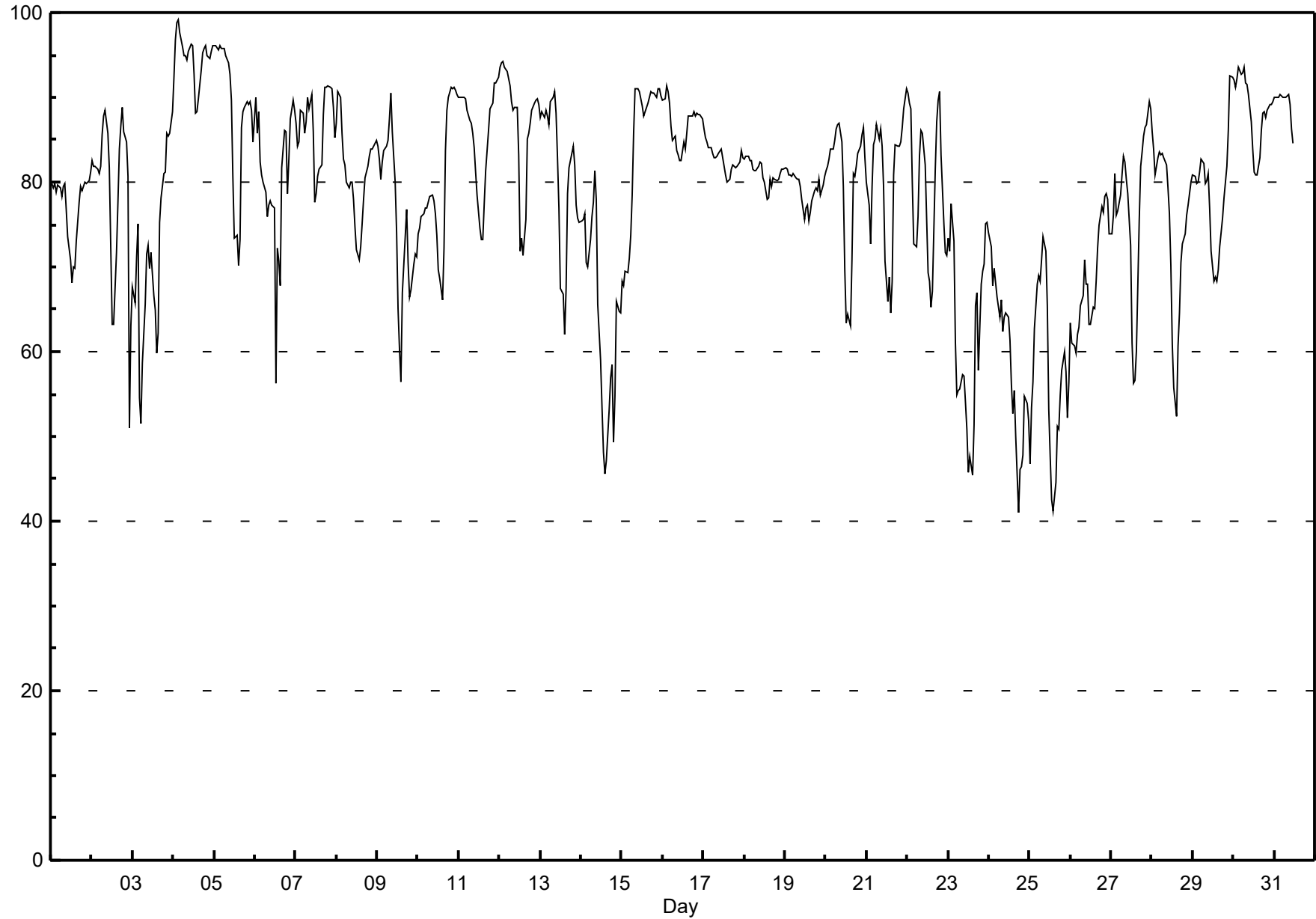
Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0		Hours in Service: 732																																														
Maximum Value: 99.1 % on Dec 4 04:00		Maximum Daily Average: 94.7 % on Dec 4																																														
Minimum Value: 41 % on Dec 24 18:00		Hours of Data: 732																																														
Maximum Diurnal Average: 82.6 % at hour 9		Hours of Missing Data: 0																																														
Monthly Average: 78.54 %		Hours of Calibration: 0																																														
Minimum Daily Average: 57.4 % on Dec 25		Percent Operational Time: 100.0																																														
Minimum Diurnal Average: 67.4 % at hour 15		Percentiles: P <sub>1</sub> = 46.2 P <sub>10</sub> = 62.4 Q <sub>1</sub> = 72.2 Median = 80.9 Q <sub>3</sub> = 87.0 P <sub>90</sub> = 90.6 P <sub>99</sub> = 96.1																																														
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Dec	80	79	80	79	80	79	78	79	80	77	73	71	68	70	70	73	78	79	79	80	80	80	80	81	77.2	81.2																						
2-Dec	83	82	82	81	81	82	86	88	88	86	82	72	63	63	72	78	84	87	89	86	85	81	51	63	78.9	88.9																						
3-Dec	68	66	71	75	55	52	59	66	72	72	70	72	67	65	60	62	75	78	81	81	86	85	86	88	71.3	88.2																						
4-Dec	92	97	99	99	98	96	95	95	94	95	96	96	93	88	88	90	93	95	96	96	95	94	96	96	94.7	99.1																						
5-Dec	96	96	96	96	96	96	96	95	94	93	90	81	73	74	70	73	86	88	89	90	89	90	88	85	88.3	96.1																						
6-Dec	90	86	88	82	81	80	79	76	77	78	77	77	56	72	71	68	82	86	86	79	83	87	90	89	79.9	90.0																						
7-Dec	87	84	85	88	88	86	87	90	89	90	86	78	79	81	82	82	88	91	91	91	91	91	89	85	86.6	91.4																						
8-Dec	87	91	90	86	83	82	80	79	80	80	78	75	72	71	72	75	78	80	82	83	84	84	84	85	80.9	90.7																						
9-Dec	84	83	80	82	84	84	85	87	90	86	80	74	65	60	56	67	74	77	71	66	67	70	72	71	75.7	90.5																						
10-Dec	74	75	76	76	77	77	78	78	79	78	76	74	70	69	66	72	84	88	90	91	91	91	91	90	79.6	91.1																						
11-Dec	90	90	90	90	90	88	87	87	86	84	81	78	75	73	73	77	81	86	89	89	89	92	92	92	85.4	92.3																						
12-Dec	94	94	94	94	93	92	91	89	88	89	89	83	72	73	71	76	85	86	87	88	89	90	90	89	87.0	94.2																						
13-Dec	88	88	88	88	88	87	89	90	91	88	83	77	68	67	62	67	79	82	83	84	82	77	76	75	81.1	90.7																						
14-Dec	75	76	76	70	70	73	76	78	81	78	66	59	53	48	46	47	53	57	58	49	55	66	65	65	64.2	81.4																						
15-Dec	68	68	69	69	71	74	79	86	91	91	91	90	89	88	89	89	90	91	90	91	90	91	91	90	84.4	91.1																						
16-Dec	90	90	91	91	89	87	85	85	84	83	83	83	85	84	86	88	88	88	88	88	88	88	88	87	86.9	91.4																						
17-Dec	86	85	85	84	84	83	83	83	83	83	84	83	82	81	80	80	82	82	82	82	82	82	84	83	82.8	86.3																						
18-Dec	83	83	83	83	82	82	81	81	82	82	82	81	80	78	78	80	79	81	80	80	80	81	82	82	81.1	83.0																						
19-Dec	82	82	81	81	81	81	81	80	80	80	78	76	77	77	75	77	78	79	79	79	80	79	80	81	79.2	81.7																						
20-Dec	81	82	83	84	84	85	86	87	87	85	80	70	63	64	63	71	81	81	82	83	84	86	86	83	80.0	86.9																						
21-Dec	80	77	73	79	84	85	87	85	86	84	80	71	66	69	64	68	81	84	84	84	85	86	89	91	80.1	91.0																						
22-Dec	91	89	89	80	73	72	76	83	86	86	82	76	69	68	65	67	82	87	90	91	83	75	72	71	79.2	90.6																						
23-Dec	73	72	77	73	61	55	55	56	57	57	54	51	46	48	45	51	65	67	58	68	70	70	75	75	61.7	77.4																						
24-Dec	74	72	68	70	68	66	64	66	62	64	64	64	61	56	53	55	50	41	46	46	48	55	54	52	59.2	74.1																						
25-Dec	47	53	56	63	68	69	68	71	74	72	65	53	48	43	41	45	51	51	55	58	60	58	52	57	57.4	73.6																						
26-Dec	63	61	61	60	62	63	65	67	71	68	68	63	63	65	65	68	72	75	77	76	78	79	78	74	68.5	78.6																						
27-Dec	74	76	81	76	77	78	81	83	82	80	79	73	61	56	57	60	76	82	84	85	86	87	90	89	77.2	89.5																						
28-Dec	86	84	81	83	84	83	83	83	82	79	76	70	61	56	52	61	65	71	73	74	76	77	79	80	74.9	86.0																						
29-Dec	81	81	80	80	81	83	82	80	80	81	77	72	68	69	68	70	72	76	78	80	82	86	93	92	78.8	92.5																						
30-Dec	92	91	92	94	93	93	94	92	91	90	87	84	81	81	81	83	86	88	88	88	89	89	89	89	88.5	93.6																						
31-Dec	90	90	90	90	90	90	90	90	90	89	86	85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	90.3																						
																								81.5	81.4	81.7	81.5	80.4	80.1	80.9	81.8	82.6	81.6	78.8	74.5	69.1	68.6	67.4	70.7	77.2	79.4	80.2	80.2	80.9	81.6	80.9	81.0	Diurnal Average
																								96.0	96.8	98.8	99.1	97.6	95.9	95.7	95.0	94.4	95.4	96.3	96.1	92.8	88.1	88.8	89.8	93.2	95.3	95.8	96.2	94.9	94.5	95.5	96.1	Diurnal Maximum
NS - Not in service																																																

# Hourly Averages

Relative Humidity (RH) - %

Eagle Valley Community Hall - Dec 1, 2024 to Jan 1, 2025





End of Monthly Report



**PAMZ** | Parkland Airshed  
Management Zone

# **Parkland Airshed Management Zone**

**Eagle Hill North Site**

## **2025 Ambient Air Monitoring Report**

Prepared by



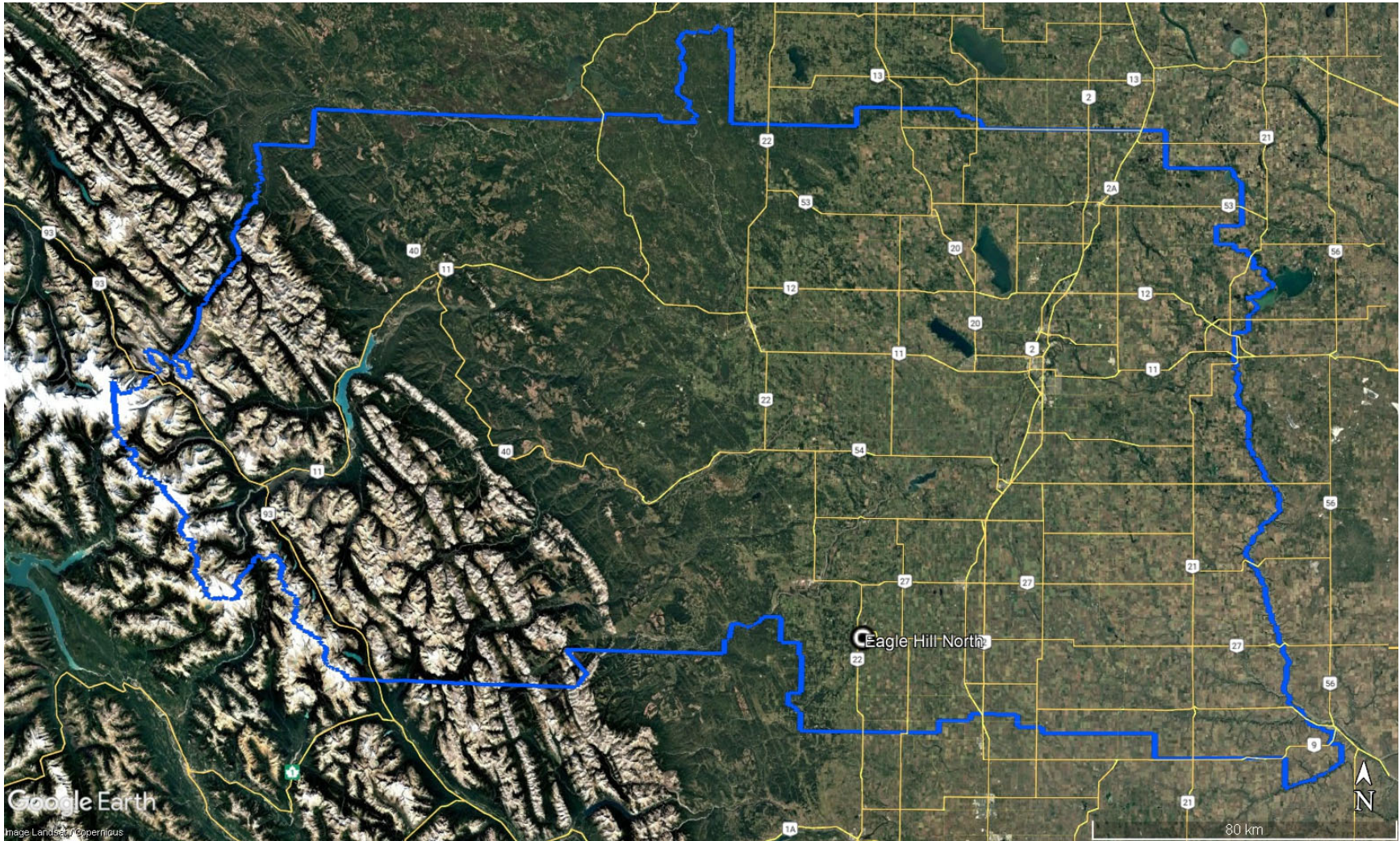
# Parkland AirShed Management Zone

## Eagle Hill North Site

### 2025 Ambient Air Monitoring Report

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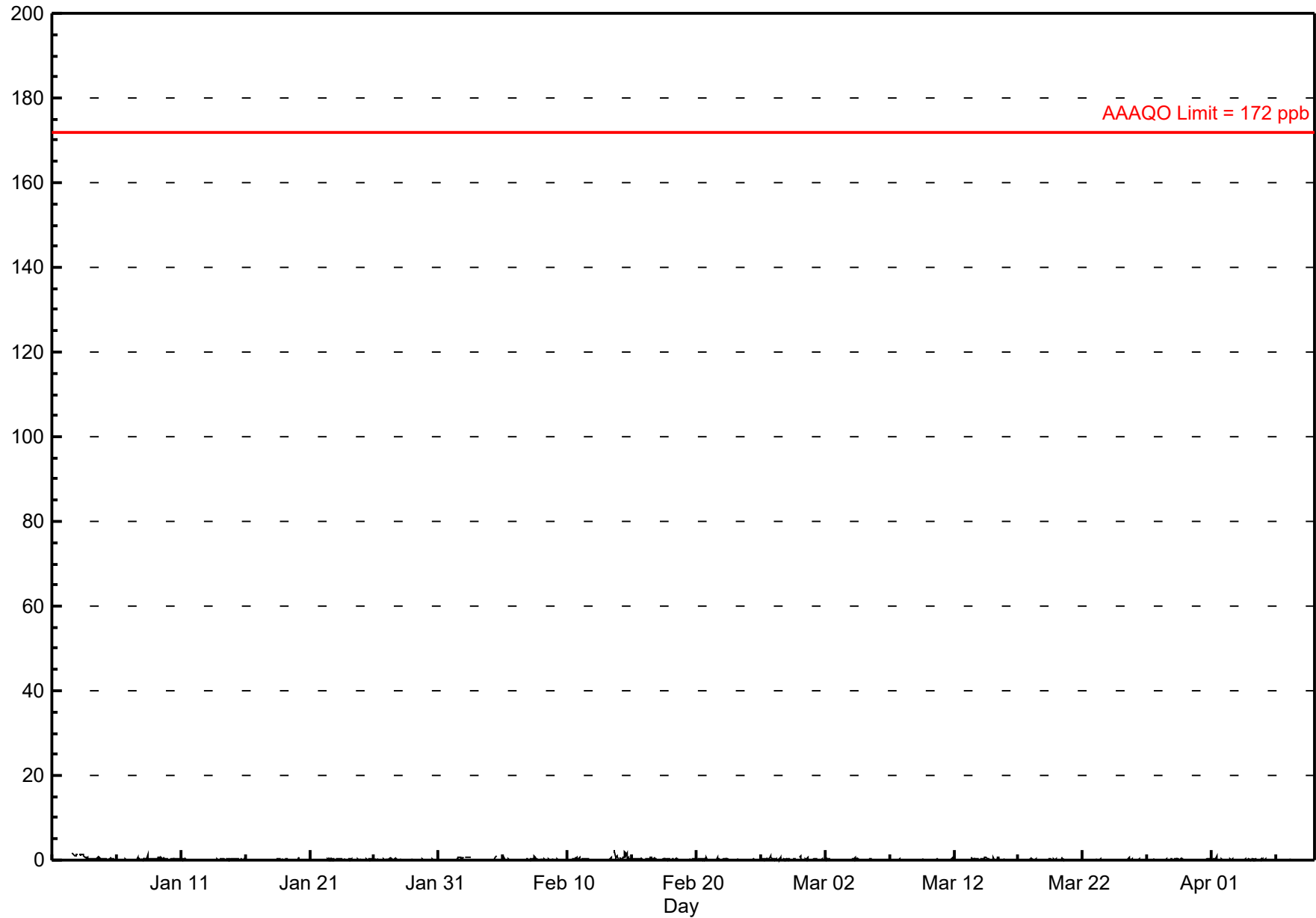
**Eagle Hill North Air Monitoring Station 2025**

# 1. Parkland Airshed Management Zone – Eagle Valley Community Hall SO<sub>2</sub> Sulphur Dioxide (ppb)

Martha Station - Eagle Hill North			SO <sub>2</sub> (ppb)								2025					
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	AAAQO			Percentage of Readings in Concentration Range					
								24-Hr	1-Hr	30-Day	0 - 20	20 - 60	60 - 110	110 - 170	170 - 340	>340
January	659	0.2	0.9	Jan 3	1.6	Jan 2 15:00	97.3	0	0	0	100.00	0.00	0.00	0.00	0.00	0.00
February	609	0.2	0.7	Feb 14	2.4	Feb 13 16:00	95.2	0	0	0	100.00	0.00	0.00	0.00	0.00	0.00
March	704	0.1	0.3	Mar 14	0.8	Mar 14 13:00	99.3	0	0	0	100.00	0.00	0.00	0.00	0.00	0.00
April	145	0.1	0.2	Apr 28	1.2	Apr 16 10:00	100.0	0	0	0	100.00	0.00	0.00	0.00	0.00	0.00
May																
June																
July																
August																
September																
October																
November																
December																
Annual	2117	0.1	0.9	Jan 3	2.4	Feb 13 16:00	98.0	0	0	0	100.00	0.00	0.00	0.00	0.00	0.00

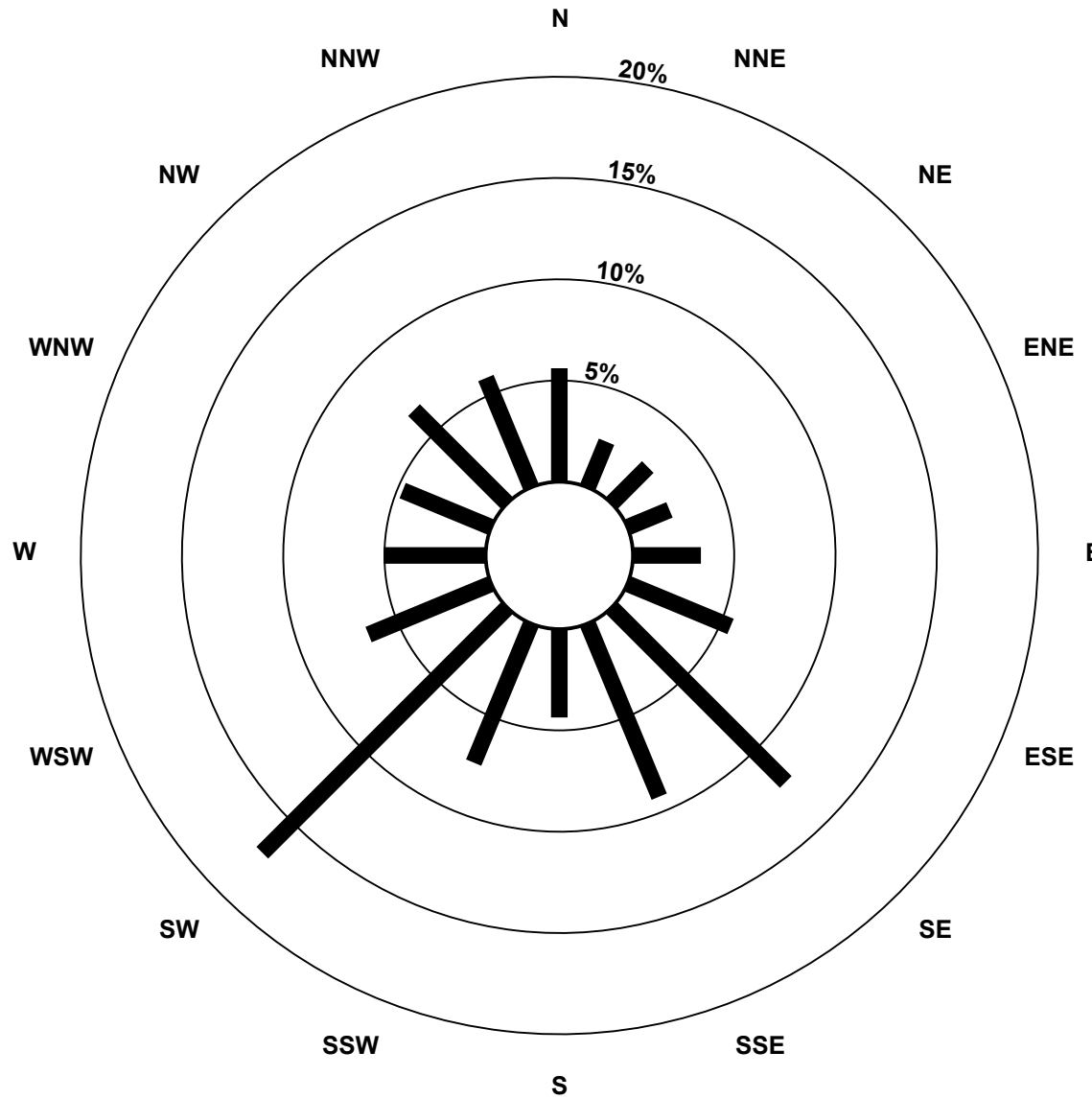
# Hourly Averages

Sulphur Dioxide (SO<sub>2</sub>) - ppb  
Eagle HillN - Jan 1, 2025 to Apr 9, 2025

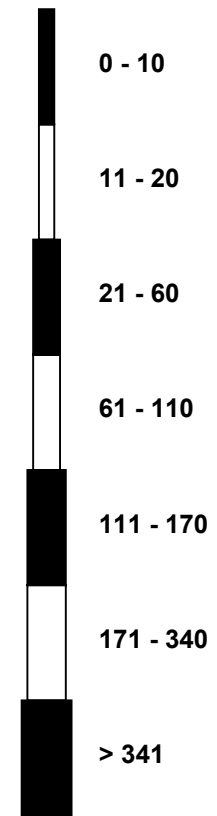


# Pollutant Rose

**Sulphur Dioxide (SO<sub>2</sub>) - ppb**  
**Eagle HillN - Jan 1, 2025 to Apr 9, 2025**



## Pollutant Classes (ppb)

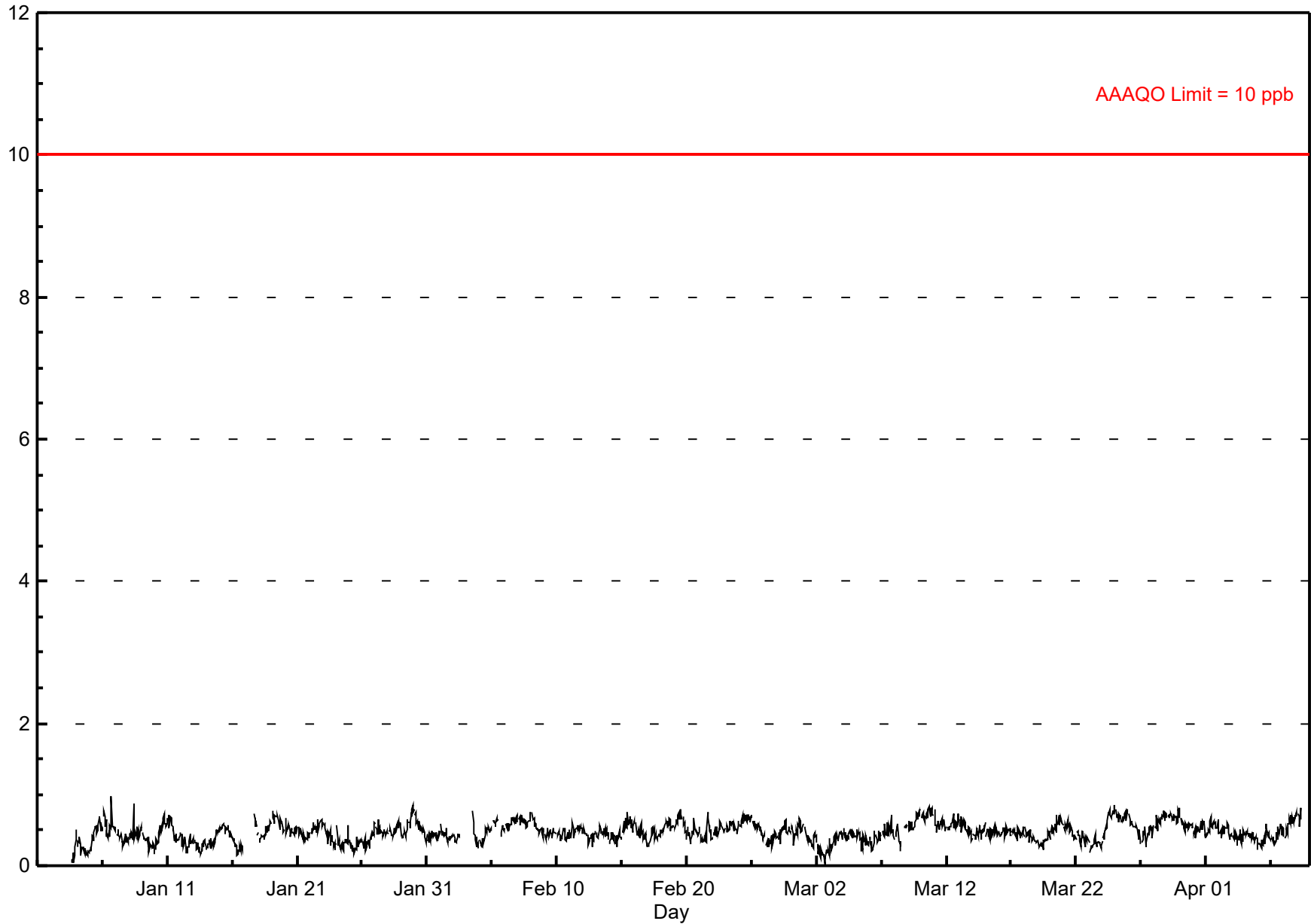


## 2. Parkland Airshed Management Zone – Eagle Hill North TRS Total Reduced Sulphide (ppb)

Martha Station - Eagle Hill North			TRS (ppb)							2025					
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	AAAQO		Percentage of Readings in Concentration Range					
								24-Hr	1-Hr	0 - 1	1 - 2.5	2.5 - 5	5 - 7.5	7.5 - 10	>10
January	633	0.4	0.6	Jan 19	1.0	Jan 6 18:00	96.9	0	0	100.00	0.00	0.00	0.00	0.00	0.00
February	613	0.5	0.7	Feb 24	0.8	Feb 19 14:00	96.0	0	0	100.00	0.00	0.00	0.00	0.00	0.00
March	707	0.5	0.7	Mar 10	0.9	Mar 25 00:00	100.0	0	0	100.00	0.00	0.00	0.00	0.00	0.00
April	169	0.5	0.6	Apr 7	0.8	Apr 8 08:00	100.0	0	0	100.00	0.00	0.00	0.00	0.00	0.00
May															
June															
July															
August															
September															
October															
November															
December															
<b>Annual</b>	<b>2122</b>	<b>0.5</b>	<b>0.7</b>	<b>Mar 10</b>	<b>1.0</b>	<b>Jan 6 18:00</b>	<b>98.2</b>	<b>0</b>	<b>0</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

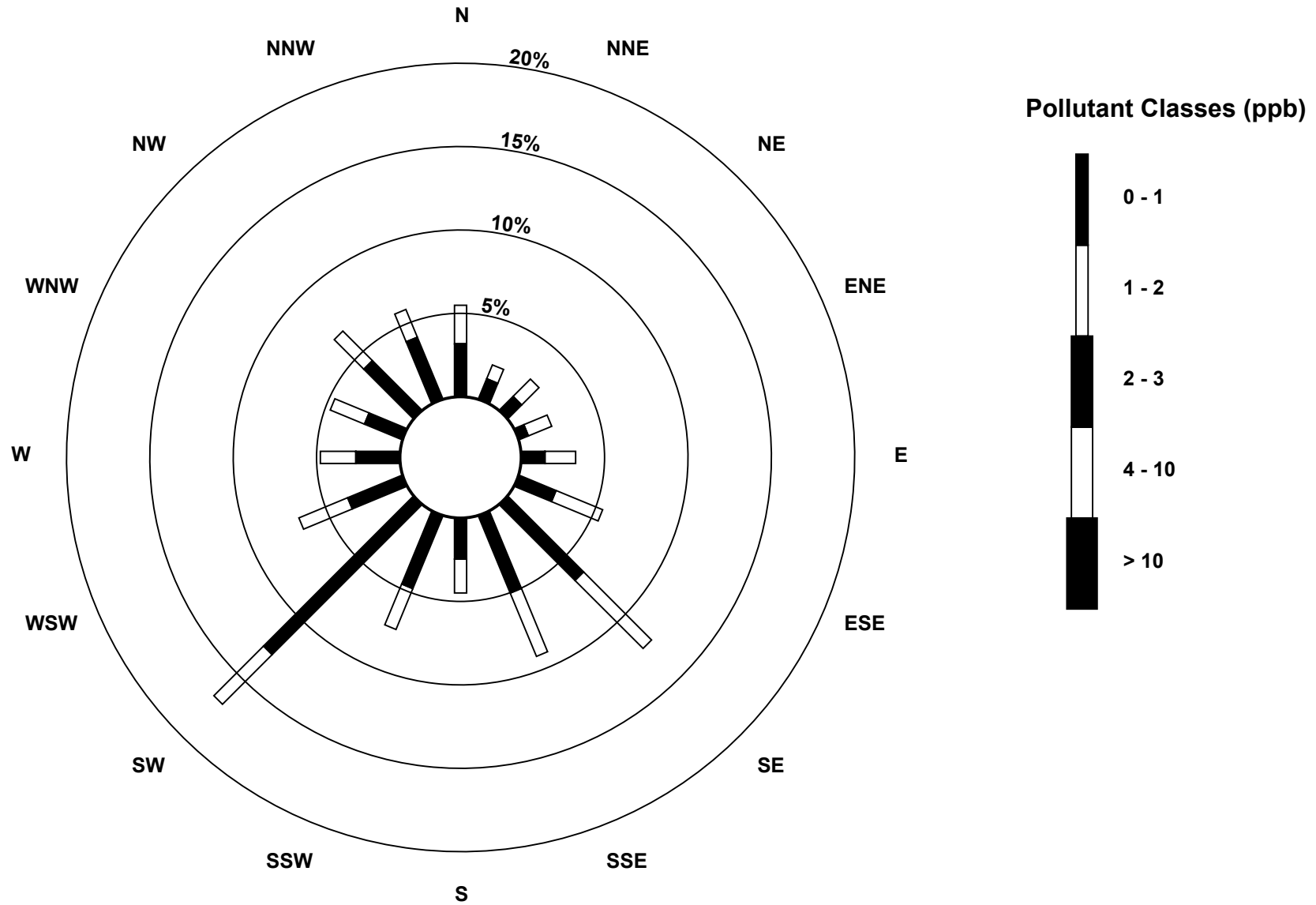
# Hourly Averages

**Total Reduced Sulphur (TRS) - ppb**  
**Eagle HillN - Jan 1, 2025 to Apr 9, 2025**



### Pollutant Rose

**Total Reduced Sulphur (TRS) - ppb**  
**Eagle HillN - Jan 1, 2025 to Apr 9, 2025**

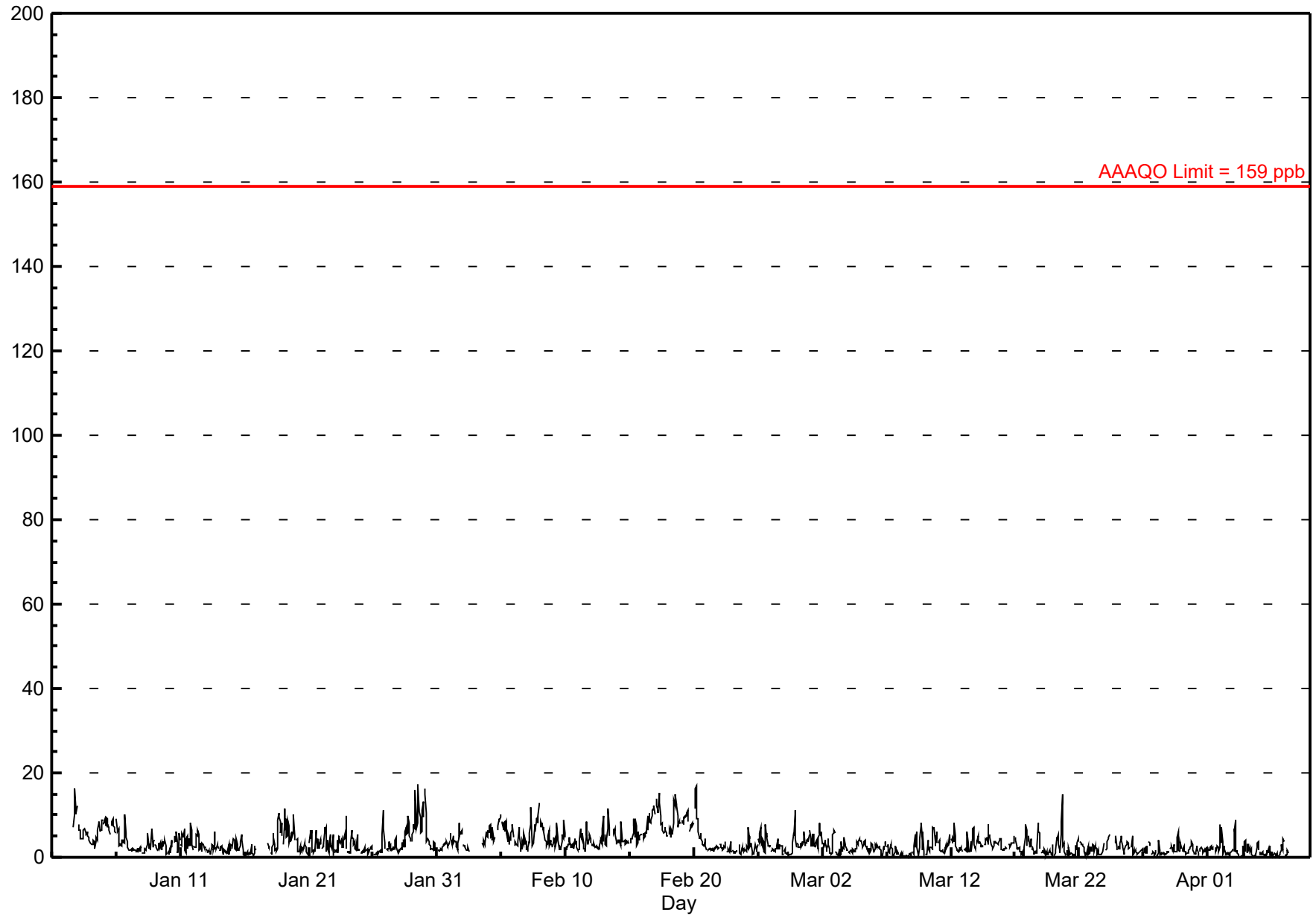


### 3. Parkland Airshed Management Zone – Eagle Hill North NO<sub>2</sub> Nitrogen Dioxide (ppb)

Martha Station - Eagle Hill North											NO <sub>2</sub> (ppb)					2025
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	AAQO		Percentage of Readings in Concentration Range						
								24-Hr	1-Hr	0 - 25	25 - 50	50 - 110	110 - 210	>210		
January	649	3.6	9.0	Jan 29	17.2	Jan 29 14:00	96.2	0	0	100.00	0.00	0.00	0.00	0.00		
February	603	4.6	8.8	Feb 18	16.8	Feb 20 05:00	95.4	0	0	100.00	0.00	0.00	0.00	0.00		
March	694	2.3	4.2	Mar 1	15.1	Mar 20 17:00	98.7	0	0	100.00	0.00	0.00	0.00	0.00		
April	142	1.6	2.4	Apr 1	8.8	Apr 3 05:00	98.1	0	0	100.00	0.00	0.00	0.00	0.00		
May																
June																
July																
August																
September																
October																
November																
December																
<b>Annual</b>	<b>2088</b>	<b>3.3</b>	<b>9.0</b>	<b>Jan 29</b>	<b>17.2</b>	<b>Jan 29 14:00</b>	<b>97.1</b>	<b>0</b>	<b>0</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

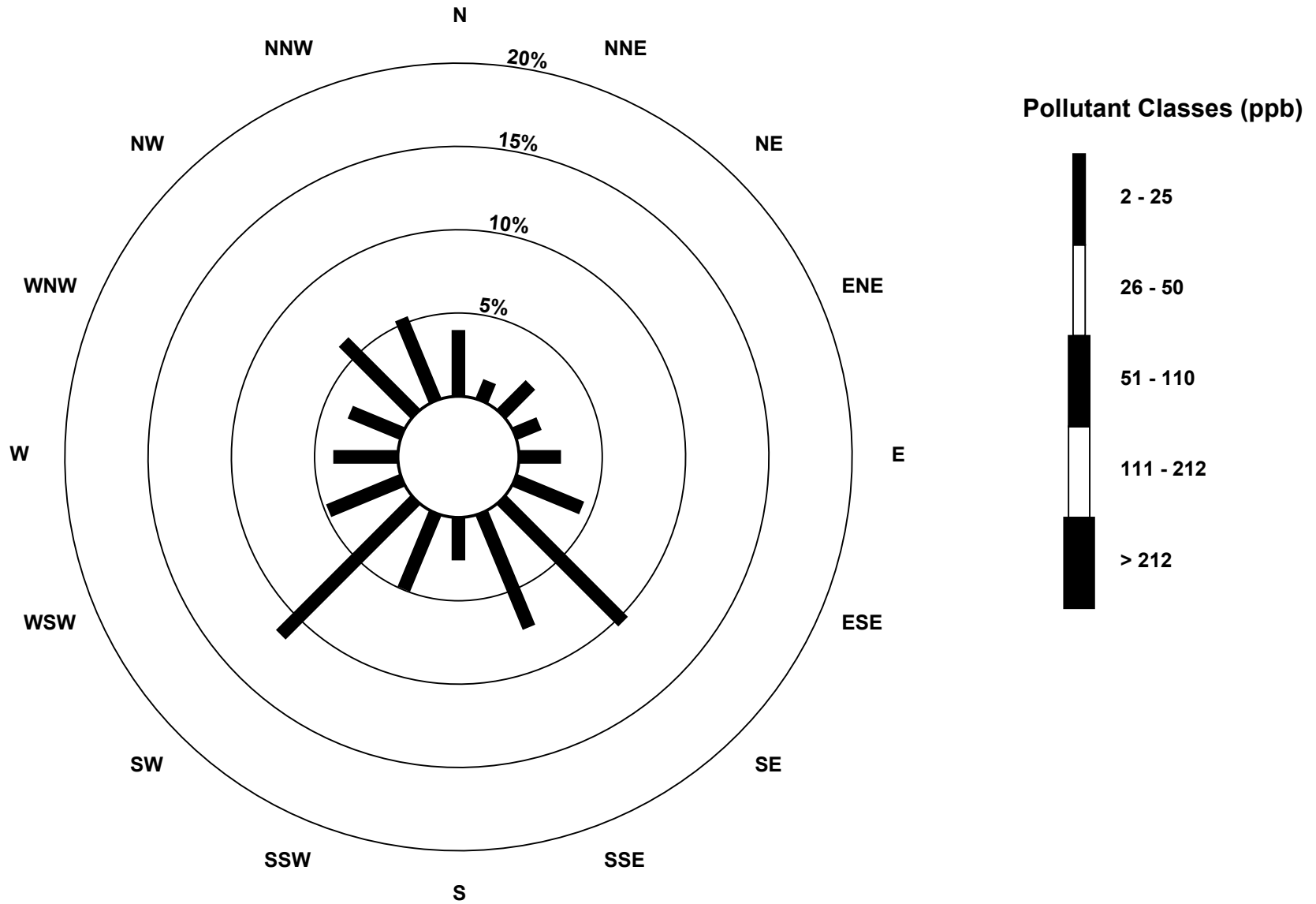
# Hourly Averages

Nitrogen Dioxide (NO<sub>2</sub>) - ppb  
Eagle HillN - Jan 1, 2025 to Apr 9, 2025



# Pollutant Rose

**Nitrogen Dioxide (NO<sub>2</sub>) - ppb**  
**Eagle HillN - Jan 1, 2025 to Apr 9, 2025**

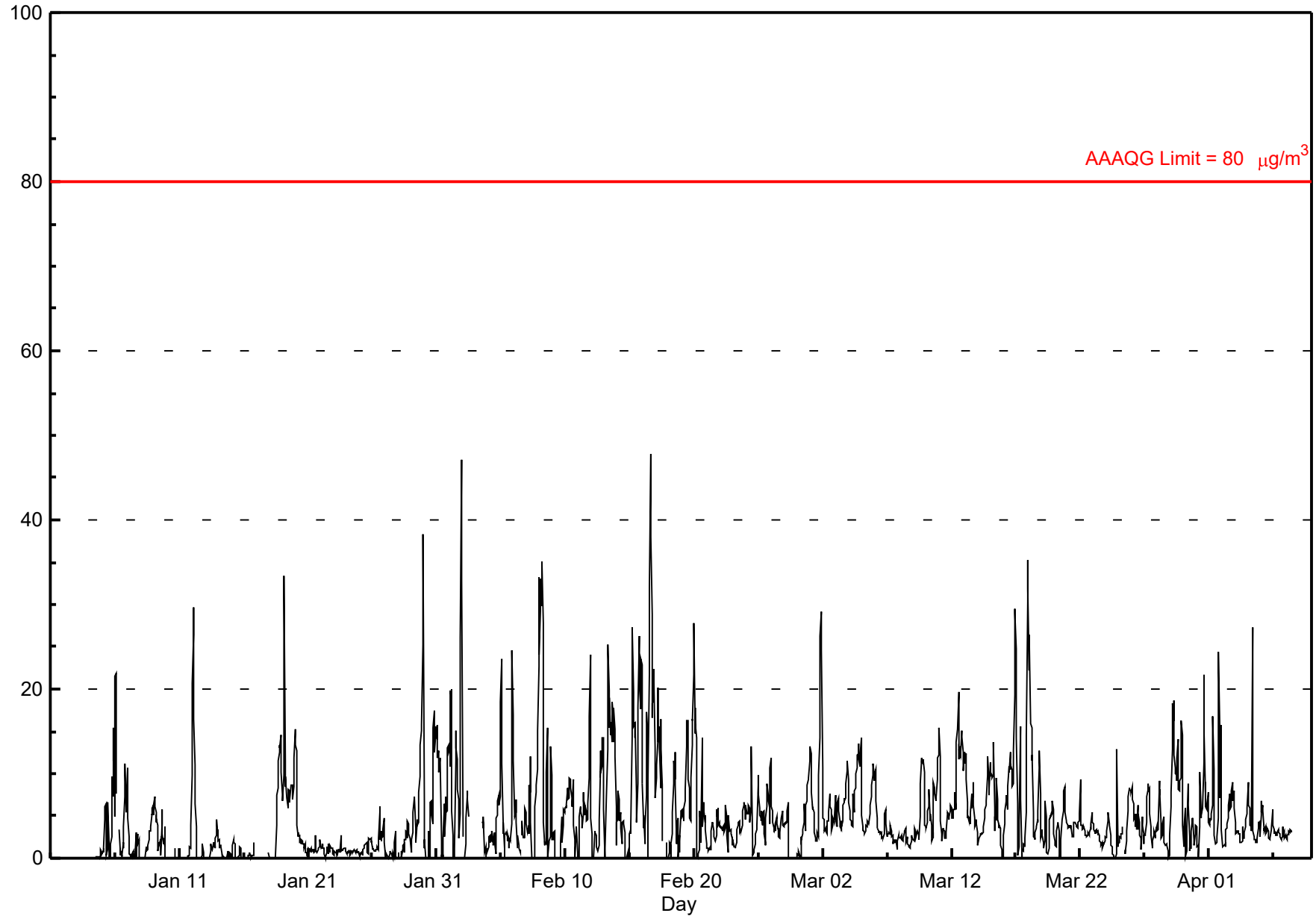


#### 4. Parkland Airshed Management Zone – Eagle Hill North PM<sub>2.5</sub> Particulate Matter 2.5 (µg/m<sup>3</sup>)

Martha Station - Eagle Hill North							PM <sub>2.5</sub> (µg/m <sup>3</sup> )				2025				
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	AAAQO	AAAQG	Percentage of Readings in Concentration Range					
								24-Hr	1-Hr	0 - 2	2 - 6	6 - 11	11 - 17	17 - 30	> 30
January	611	2.9	9.6	Jan 19	38.3	Jan 30 00:00	93.3	0	0	66.45	16.86	8.84	6.38	1.15	0.33
February	635	6.5	16.0	Feb 16	47.7	Feb 16 16:00	94.6	0	0	24.09	41.57	16.06	9.92	6.93	1.42
March	741	5.6	11.5	Mar 29	35.2	Mar 17 23:00	100.0	0	0	13.90	54.66	19.57	9.31	2.16	0.40
April	155	4.4	7.5	Apr 1	27.3	Apr 4 10:00	100.0	0	0	11.61	70.32	13.55	3.23	1.29	0.00
May															
June															
July															
August															
September															
October															
November															
December															
<b>Annual</b>	<b>2142</b>	<b>5.0</b>	<b>16.0</b>	<b>Feb 16</b>	<b>47.7</b>	<b>Feb 16 16:00</b>	<b>97.0</b>	<b>0</b>	<b>0</b>	<b>29.01</b>	<b>45.85</b>	<b>14.51</b>	<b>7.21</b>	<b>2.88</b>	<b>0.54</b>

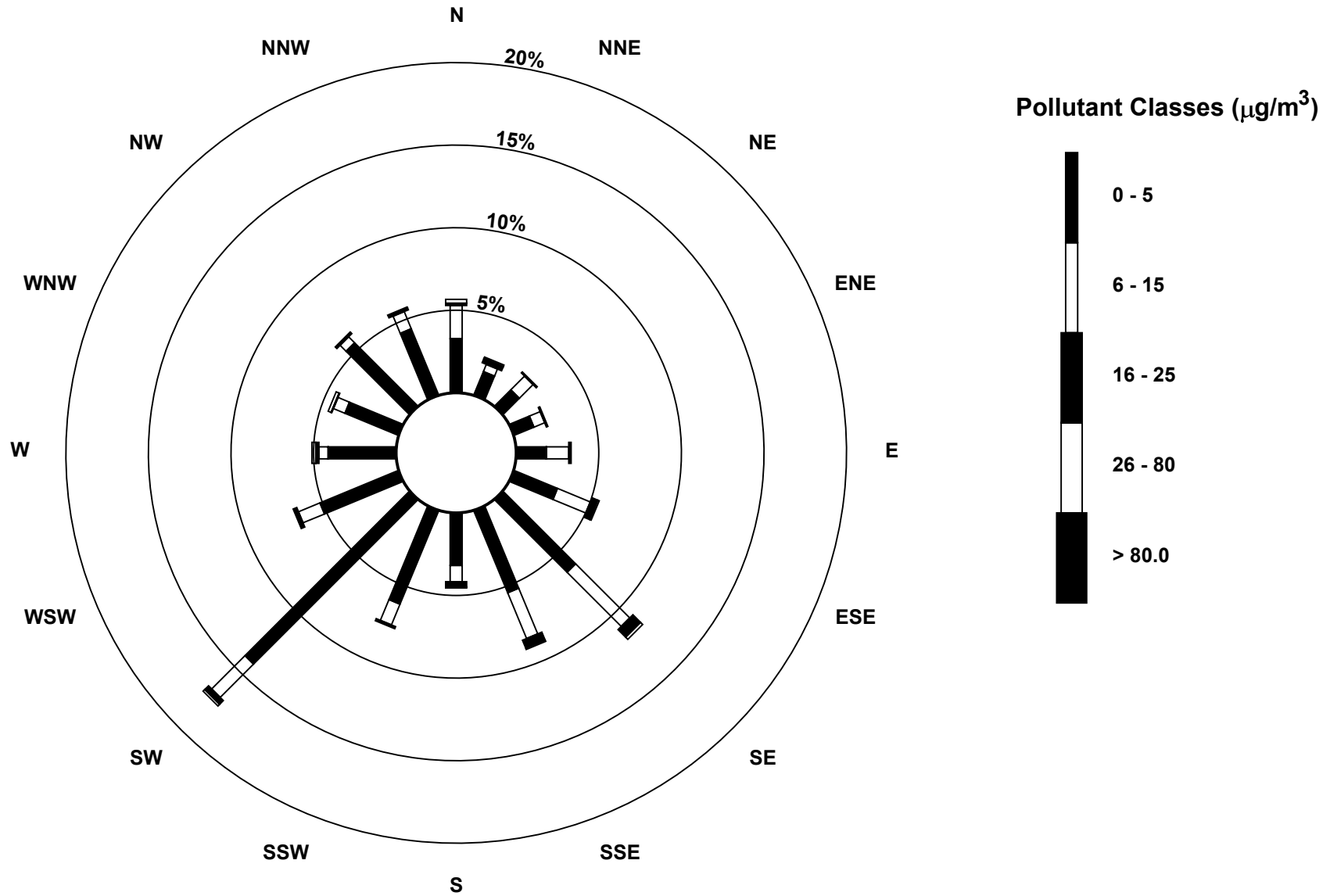
# Hourly Averages

**PM2.5 (PM<sub>2.5</sub>) -  $\mu\text{g}/\text{m}^3$**   
**Eagle HillN - Jan 1, 2025 to Apr 9, 2025**



### Pollutant Rose

**PM<sub>2.5</sub> (PM<sub>2.5</sub>) - μg/m<sup>3</sup>**  
**Eagle HillN - Jan 1, 2025 to Apr 9, 2025**

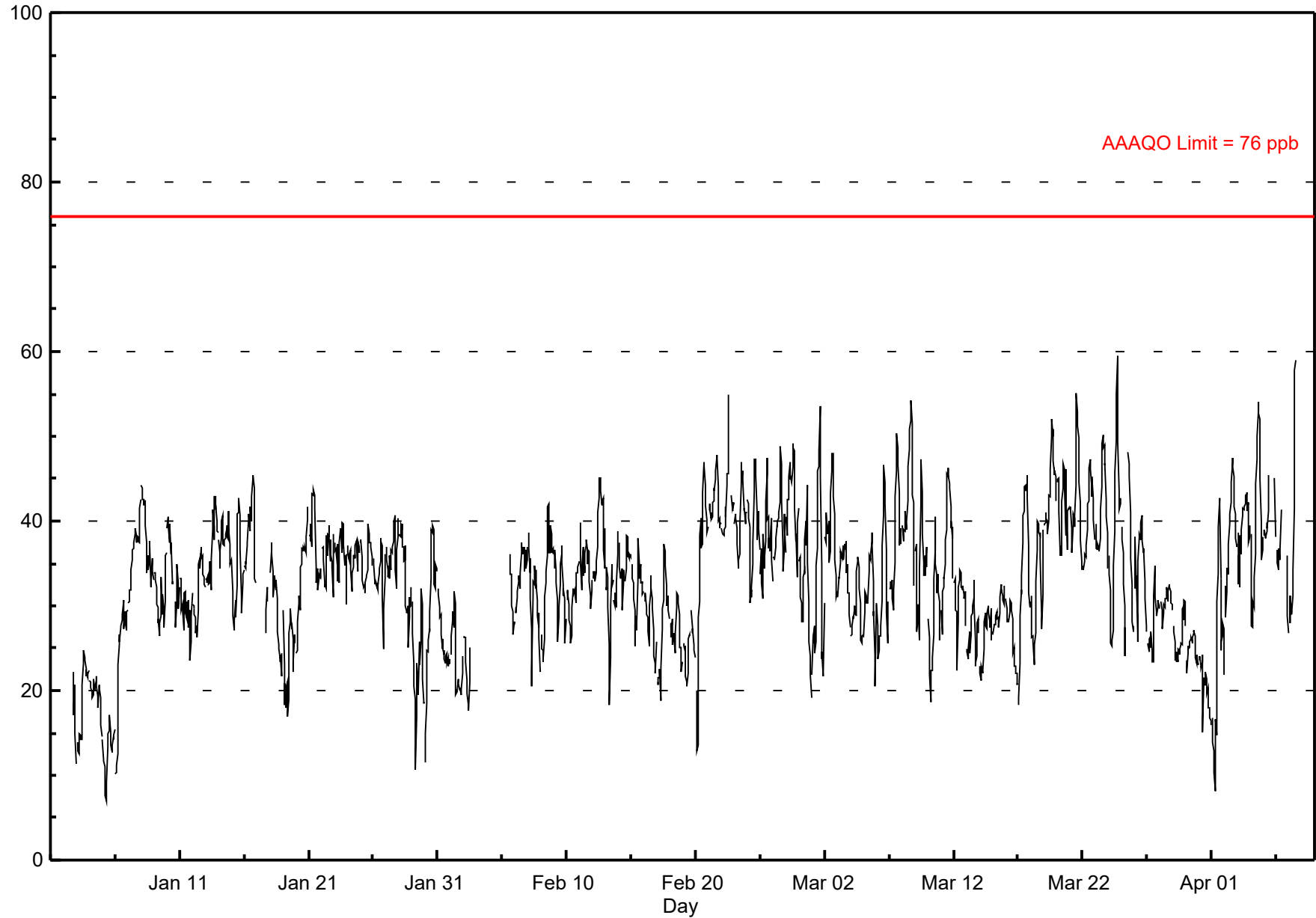


## 5. Parkland Airshed Management Zone – Eagle Hill North O<sub>3</sub> Ozone (ppb)

Martha Station - Eagle Hill North							O <sub>3</sub> (ppb)				2025				
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	AAAQO		Percentage of Readings in Concentration Range					
								24-Hr	1-Hr	0 - 2	2 - 10	10 - 20	20 - 40	40 - 76	>76
January	650	31.1	38.9	Jan 16	45.3	Jan 16 18:00	96.9	0	0	0.00	0.62	10.15	82.15	7.08	0.00
February	564	33.7	42.6	Feb 27	55.0	Feb 22 14:00	89.3	0	0	0.00	0.00	3.01	77.48	19.50	0.00
March	709	33.6	44.0	Mar 19	59.5	Mar 24 18:00	100.0	0	0	0.00	0.00	1.83	75.32	22.85	0.00
April	128	36.3	40.2	Apr 4	58.9	Apr 7 13:00	86.3	0	0	0.00	0.78	6.25	57.81	35.16	0.00
May															
June															
July															
August															
September															
October															
November															
December															
<b>Annual</b>	<b>2051</b>	<b>33.0</b>	<b>44.0</b>	<b>Mar 19</b>	<b>59.5</b>	<b>Mar 24 18:00</b>	<b>93.1</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0.35</b>	<b>5.31</b>	<b>73.19</b>	<b>21.15</b>	<b>0.00</b>

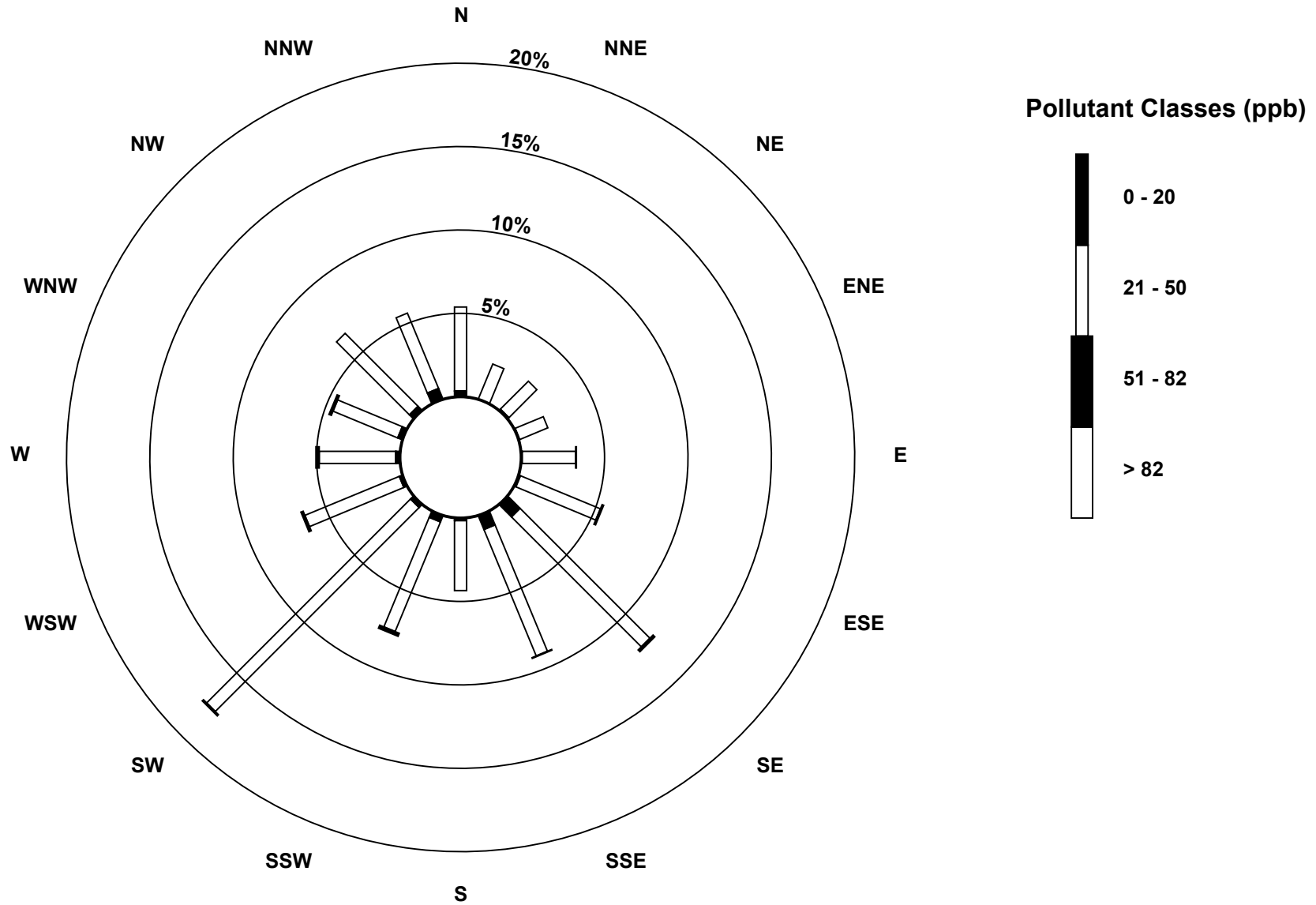
# Hourly Averages

Ozone (O<sub>3</sub>) - ppb  
Eagle HillN - Jan 1, 2025 to Apr 9, 2025



# Pollutant Rose

Ozone (O<sub>3</sub>) - ppb  
Eagle HillN - Jan 1, 2025 to Apr 9, 2025

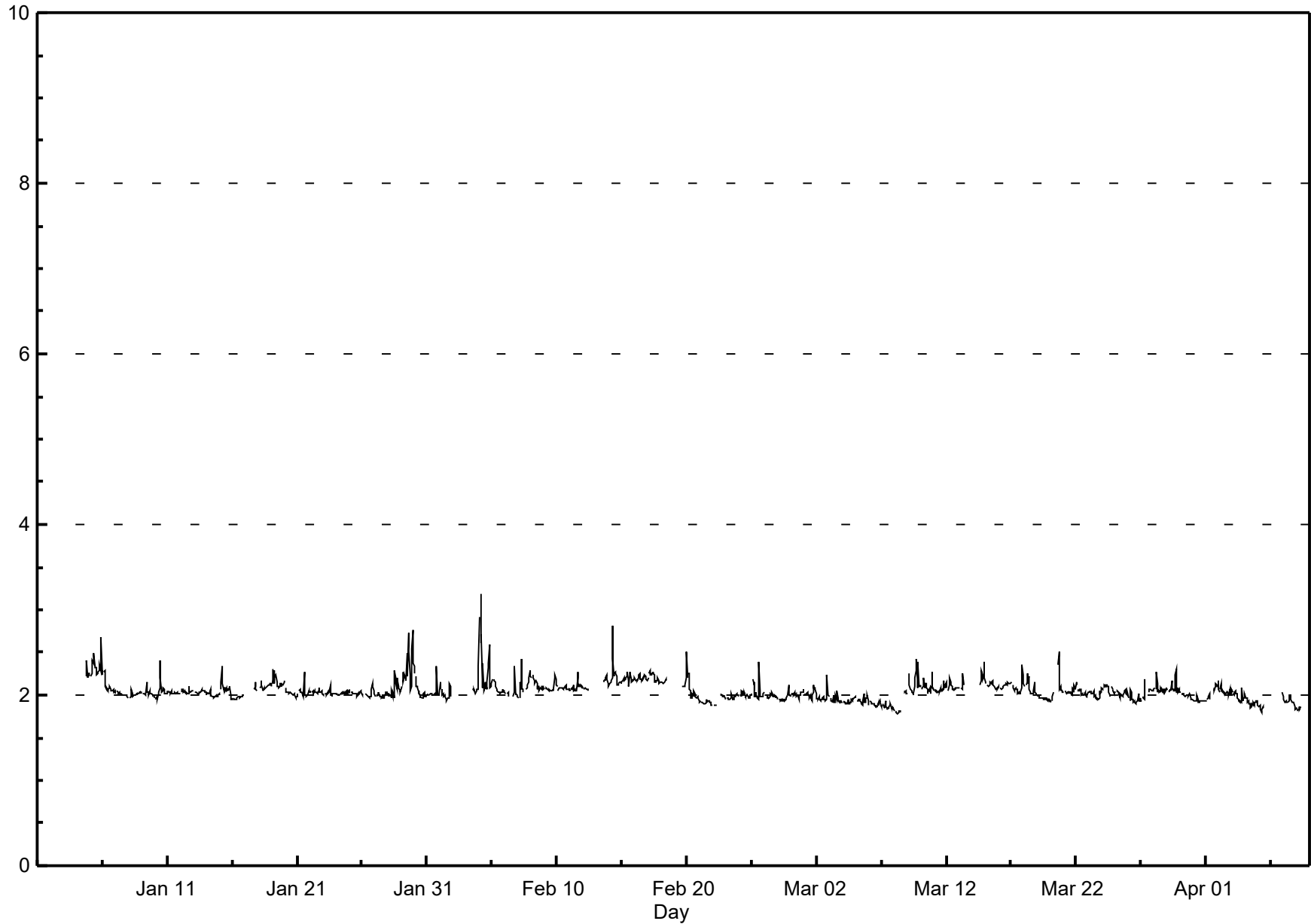


## 6. Parkland Airshed Management Zone – Eagle Hill North THC Total Hydrocarbon (ppm)

Martha Station - Eagle Hill North							THC (ppm)							2025
Month	# of Readings	Average	24-hr Maximum	Date	1-hr Maximum	Date	Operational Time (%)	Percentage of Readings in Concentration Range						
								0 - 1.5	1.5 - 2.0	2.0 - 2.5	2.5 - 5.0	5.0 - 10.0	>10.0	
January	605	2.1	2.3	Jan 5	2.8	Jan 29 23:00	96.5	0.00	17.19	81.98	0.83	0.00	0.00	
February	537	2.1	2.3	Feb 4	3.2	Feb 4 04:00	85.9	0.00	25.51	73.18	1.30	0.00	0.00	
March	665	2.0	2.1	Mar 9	2.5	Mar 20 17:00	97.2	0.15	36.58	63.12	0.15	0.00	0.00	
April	131	2.0	2.0	Apr 1	2.2	Apr 2 00:00	80.7	0.00	62.60	37.40	0.00	0.00	0.00	
May														
June														
July														
August														
September														
October														
November														
December														
<b>Annual</b>	<b>1938</b>	<b>2.0</b>	<b>2.3</b>	<b>Jan 5</b>	<b>3.2</b>	<b>Feb 4 04:00</b>	<b>90.1</b>	<b>0.04</b>	<b>35.47</b>	<b>63.92</b>	<b>0.57</b>	<b>0.00</b>	<b>0.00</b>	

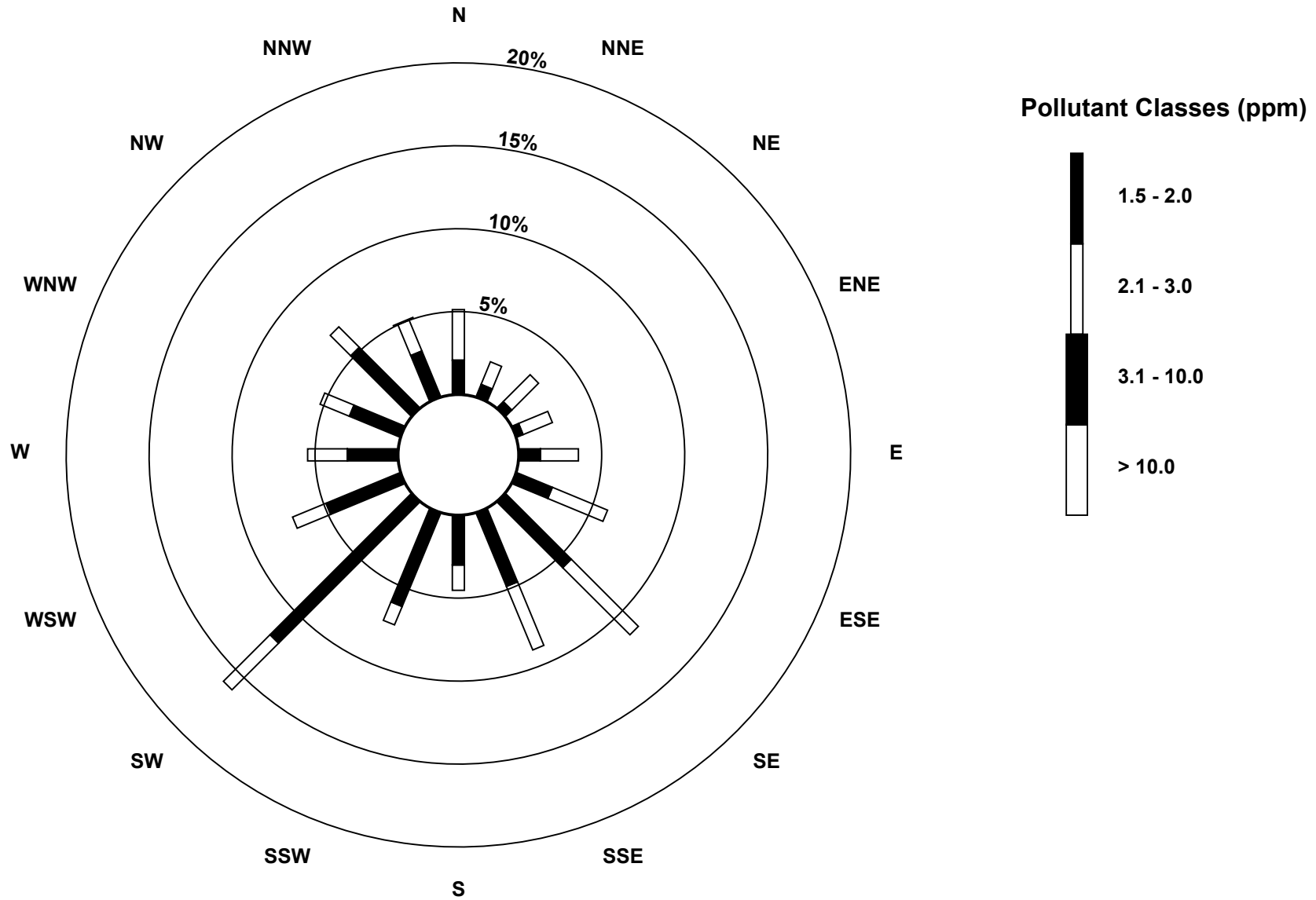
# Hourly Averages

**Total Hydrocarbons (THC) - ppm**  
**Eagle HillN - Jan 1, 2025 to Apr 9, 2025**



### Pollutant Rose

**Total Hydrocarbons (THC) - ppm**  
**Eagle HillN - Jan 1, 2025 to Apr 9, 2025**

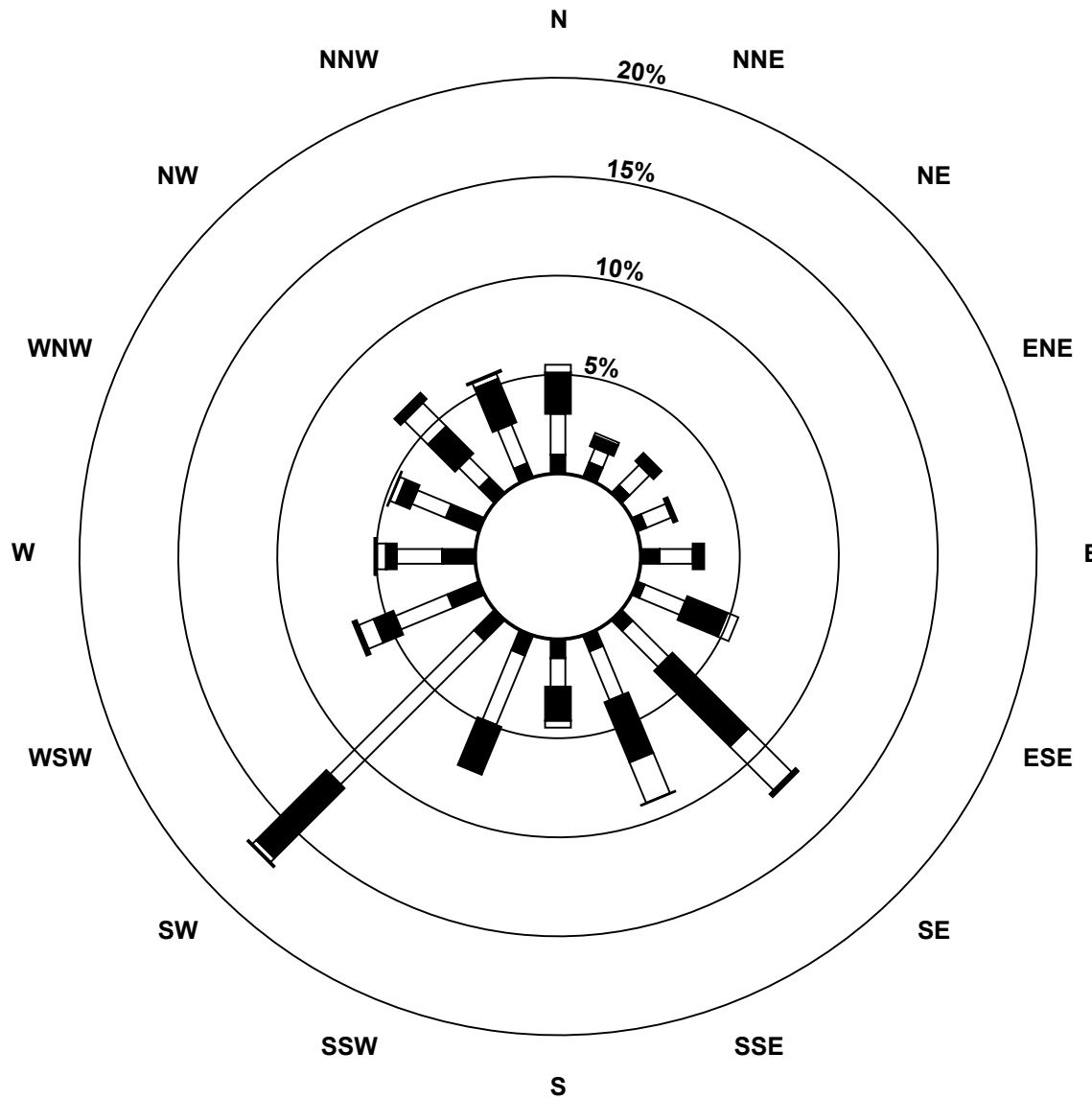


## 7. Parkland Airshed Management Zone – Eagle Hill North Wind Speed and Wind Direction Frequency Table

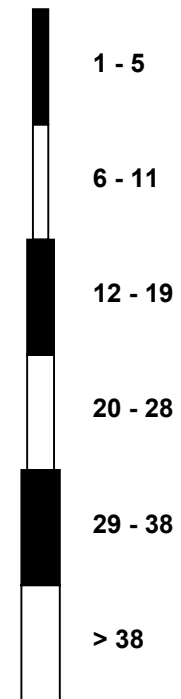
Martha Station - Eagle Hill North								2025
Direction	# of Readings	% of wind speed (km/hr)						Totals
		1 - 5	6 - 11	12 - 19	20 - 28	29 - 38	> 38	
<b>N</b>	122	0.95	2.07	2.07	0.41	0.00	0.00	5.50
<b>NNE</b>	51	0.81	0.77	0.59	0.14	0.00	0.00	2.30
<b>NE</b>	57	0.54	1.44	0.59	0.00	0.00	0.00	2.57
<b>ENE</b>	46	0.50	1.35	0.23	0.00	0.00	0.00	2.07
<b>E</b>	71	0.95	1.67	0.59	0.00	0.00	0.00	3.20
<b>ESE</b>	120	0.41	2.21	2.21	0.59	0.00	0.00	5.41
<b>SE</b>	268	0.77	2.57	5.41	3.11	0.23	0.00	12.08
<b>SSE</b>	201	0.86	2.66	3.29	2.21	0.05	0.00	9.06
<b>S</b>	99	0.95	1.44	1.71	0.36	0.00	0.00	4.46
<b>SSW</b>	166	1.08	3.79	2.57	0.05	0.00	0.00	7.48
<b>SW</b>	379	1.44	10.28	5.00	0.27	0.09	0.00	17.09
<b>WSW</b>	148	1.71	2.84	1.08	0.81	0.23	0.00	6.67
<b>W</b>	113	1.67	2.30	0.54	0.45	0.09	0.05	5.09
<b>WNW</b>	106	1.80	1.85	0.77	0.32	0.05	0.00	4.78
<b>NW</b>	146	1.08	1.44	1.94	1.67	0.45	0.00	6.58
<b>NNW</b>	125	0.77	2.12	2.39	0.27	0.09	0.00	5.64
<b>Totals</b>	<b>2218</b>	<b>16.28</b>	<b>40.80</b>	<b>30.97</b>	<b>10.64</b>	<b>1.26</b>	<b>0.05</b>	<b>100.00</b>

# Wind Rose

Wind Speed (WS) (km/h)  
Eagle HillN - Jan 1, 2025 to Jan 1, 2026



## Wind Speed Classes (km/h)





**PAMZ** | Parkland Airshed  
Management Zone

# Parkland Airshed Management Zone

**Eagle Hill Site**

**January 2025**

**Continuous Ambient Air Quality Monitoring Program  
Monthly Report**

**Operations and Maintenance:**



**AIR QUALITY MONITORING**

**Data Validation and Report:**

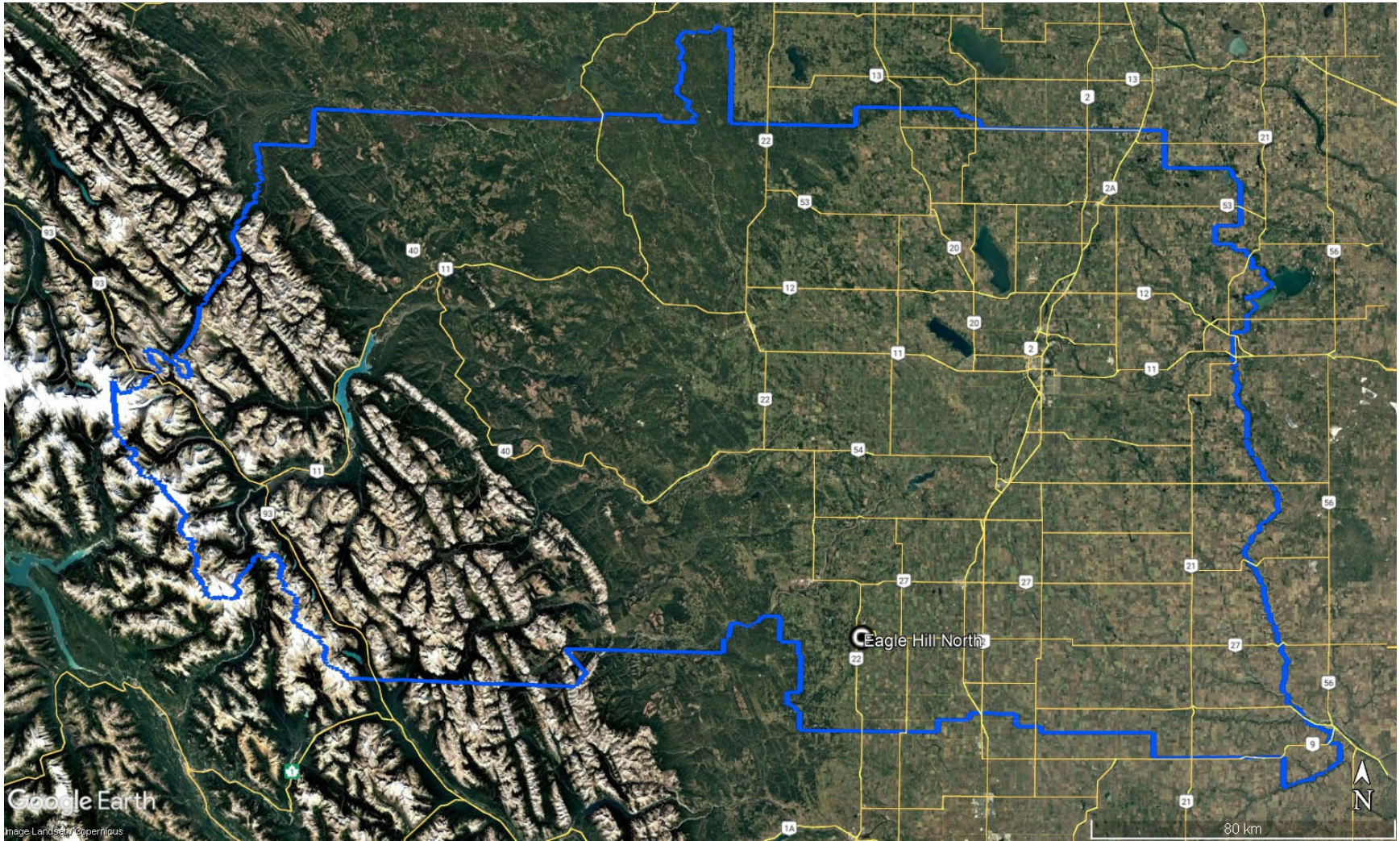


**Parkland AirShed Management Zone**  
Speciation Monitoring Program  
Eagle Hill North Site

2025 Ambient Air Monitoring Report

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**Eagle Hill Air Monitoring Station January 2025**

# Eagle Hill - Continuous Air Quality Monitoring Data Summary

Ambient Air Quality Data Summary for the Month of January 2025																
Parkland Airshed Management Zone						Maximum Recorded Values										
Pollutant (units)	Objectives			Station	Monthly Average	1-hr				24-hr		Exceedence			Operational Time (%)	
	1-hr	24-hr	30-day			Conc	Day	WSPD (km/hr)	WDIR (Sector)	Conc	Day	1-hr	24-hr	30-day		
SO <sub>2</sub> (ppb)	172	48	11	Eagle Hill	0.2	1.6	Jan-02 15:00	NA	NA	0.9	Jan-03	0	0	0	97.3%	
TRS (ppb)	10	3	-	Eagle Hill	0.4	1.0	Jan-06 18:00	5	WSW	0.6	Jan-19	0	0	-	96.9%	
NO <sub>2</sub> (ppb)	159	-	-	Eagle Hill	3.7	17.1	Jan-29 14:00	3	NE	9.1	Jan-29	-	-	-	96.2%	
NO (ppb)	-	-	-	Eagle Hill	0.5	14.2	Jan-29 14:00	3	NE	2.7	Jan-29	-	-	-	96.2%	
NO <sub>x</sub> (ppb)	-	-	-	Eagle Hill	4.1	31.4	Jan-29 14:00	3	NE	11.7	Jan-29	-	-	-	96.2%	
O <sub>3</sub> (ppb)	76	-	-	Eagle Hill	31.1	45.3	Jan-16 18:00	21	W	38.9	Jan-16	0	-	-	96.9%	
THC (ppm)	-	-	-	Eagle Hill	2.1	2.8	Jan-29 23:00	7	NE	2.3	Jan-05	-	-	-	96.5%	
CH <sub>4</sub> (ppm)	-	-	-	Eagle Hill	2.1	2.5	Jan-29 23:00	7	NE	2.3	Jan-05	-	-	-	96.5%	
NMHC (ppm)	-	-	-	Eagle Hill	0.0	0.4	Jan-05 23:00	6	SSE	0.1	Jan-29	-	-	-	96.5%	
PM <sub>2.5</sub> (ug/m <sup>3</sup> )	80	29	-	Eagle Hill	2.9	38.3	Jan-30 00:00	2	ESE	9.6	Jan-19	0	0	-	93.3%	
Temp (°C)	-	-	-	Eagle Hill	-3.3	10.0	Jan-27 16:00			5.1	Jan-08				97.5%	
RH (%)	-	-	-	Eagle Hill	66.2	96.9	Jan-11 21:00			91.7	Jan-31				97.5%	
WSPD v (km/hr)	-	-	-	Eagle Hill	4.9	38.0	Jan-16 22:00			18.0	Jan-11				97.4%	
WDIR	-	-	-	Eagle Hill	SW										97.4%	

# Eagle Hill - Continuous Air Quality Monitoring Station & Equipment Summary

Eagle Hill			
<b>General Station and Equipment Issues:</b>			
Installation Calibrations on January 2 <sup>nd</sup> (SO <sub>2</sub> , NO/NO <sub>2</sub> /NO <sub>x</sub> & O <sub>3</sub> ), January 3 <sup>rd</sup> (PM <sub>2.5</sub> & TRS) and January 4 <sup>th</sup> (THC/CH <sub>4</sub> /NMHC). Routine calibrations on January 10 <sup>th</sup> (NO/NO <sub>2</sub> /NO <sub>x</sub> , O <sub>3</sub> & PM <sub>2.5</sub> ). Eighteen (18) hours flagged as power failure on January 16 <sup>th</sup> and 17 <sup>th</sup> for all parameters			
Parameter	Make	Model	Notes
<b>SO<sub>2</sub></b>	API	100A	Eighteen (18) hours flagged as power failure on January 16 <sup>th</sup> and 17 <sup>th</sup> . One (1) hour flagged as maintenance for QA check on January 17 <sup>th</sup> .
<b>TRS</b>	API	T100	Eighteen (18) hours flagged as power failure on January 16 <sup>th</sup> and 17 <sup>th</sup> . One (1) hour flagged as maintenance for QA check on January 17 <sup>th</sup> .
<b>NO<sub>2</sub>/NO/NO<sub>x</sub></b>	API	T200	Three (3) hours flagged as maintenance for QA check on January 5 <sup>th</sup> . Three (3) hours flagged as maintenance for QA check on January 10 <sup>th</sup> . Eighteen (18) hours flagged as power failure on January 16 <sup>th</sup> and 17 <sup>th</sup> . Four (4) hours flagged as maintenance for QA check on January 17 <sup>th</sup> .
<b>O<sub>3</sub></b>	API	T400	Eighteen (18) hours flagged as power failure on January 16 <sup>th</sup> and 17 <sup>th</sup> . Four (4) hours flagged as maintenance for QA check on January 17 <sup>th</sup> .
<b>PM<sub>2.5</sub></b>	Met One	Sharp 5030i	Five (5) hours flagged as invalid due to baseline drift on January 6 <sup>th</sup> . Fourteen (14) hours flagged as invalid due to baseline drift on January 10 <sup>th</sup> and 11 <sup>th</sup> . Twenty-six (26) hours flagged as power failure on January 16 <sup>th</sup> and 17 <sup>th</sup> .
<b>THC/CH<sub>4</sub>/NMHC</b>	TEI	55i	Nineteen (19) hours flagged as power failure on January 16 <sup>th</sup> and 17 <sup>th</sup> . Two (2) hours flagged as maintenance for QA check on January 17 <sup>th</sup> . Two (2) hours flagged as invalid on January 26 <sup>th</sup> due to baseline drift.
<b>RH</b>	Met One	093	Seventeen (17) hours flagged as power failure on January 16 <sup>th</sup> and 17 <sup>th</sup> .
<b>ET</b>	Met One	093	Seventeen (17) hours flagged as power failure on January 16 <sup>th</sup> and 17 <sup>th</sup> .
<b>WS/WD</b>	Met One	010C/020C	One (1) hour flagged invalid due to wind speed calm on January 5 <sup>th</sup> . Seventeen (17) hours flagged as power failure on January 16 <sup>th</sup> and 17 <sup>th</sup> .

# Hourly Averages

**Sulphur Dioxide (SO<sub>2</sub>) - ppb**

**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 709
Maximum Value: 1.6 ppb on Jan 2 15:00	Maximum Daily Average: 0.9 ppb on Jan 3
Minimum Value: 0 ppb on Jan 6 04:00	Hours of Data: 659
Maximum Diurnal Average: 0.2 ppb at hour 24	Hours of Missing Data: 50
Monthly Average: 0.18 ppb	Hours of Calibration: 31
Minimum Daily Average: 0.0 ppb on Jan 31	Percent Operational Time: 97.3
Minimum Diurnal Average: 0.1 ppb at hour 21	
Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.1 Q <sub>3</sub> = 0.2 P <sub>90</sub> = 0.4 P <sub>99</sub> = 1.4	

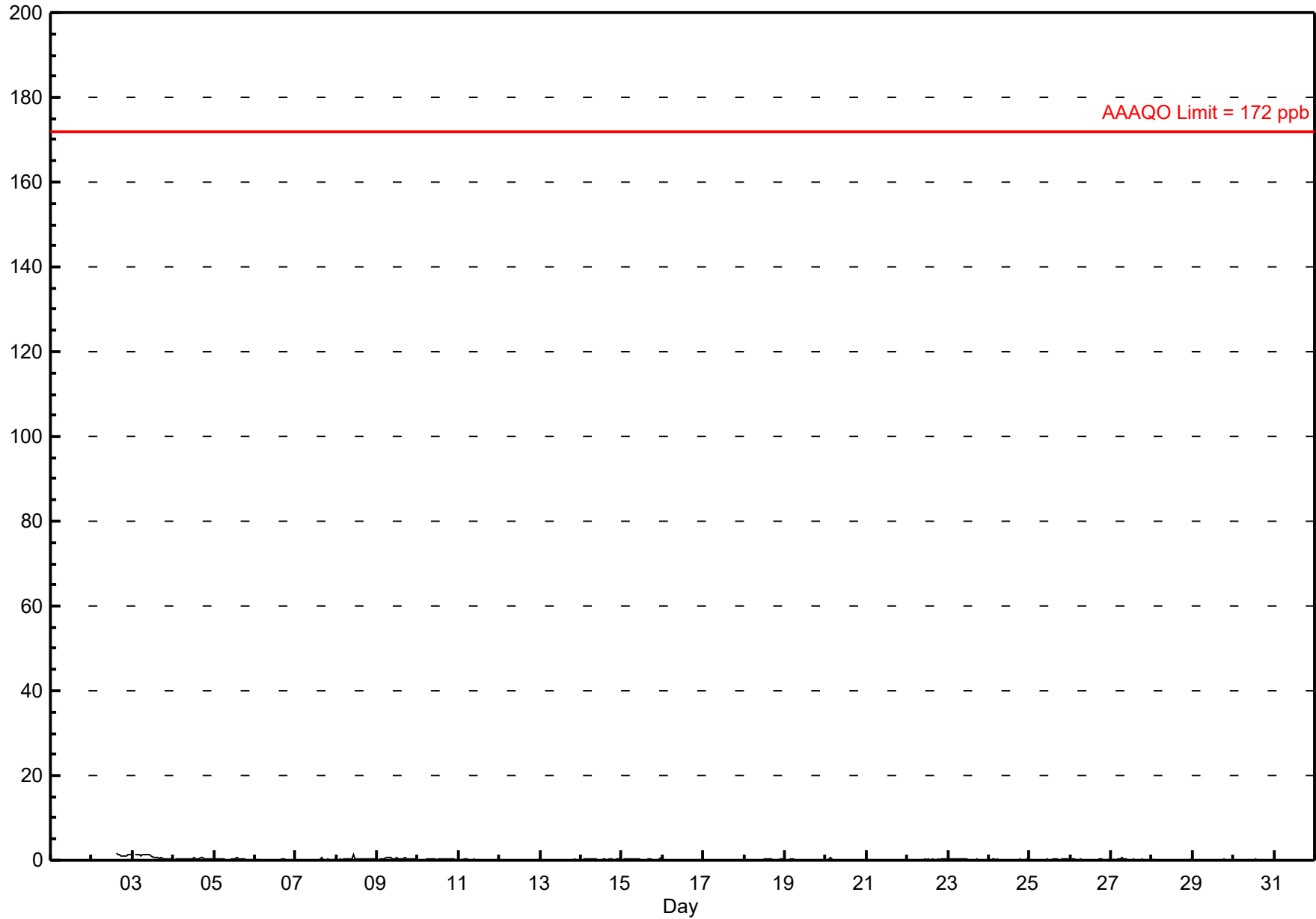
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	2	1	1	1	1	1	1	1	1	1	--	1.6
3-Jan	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0.9	1.5
4-Jan	A	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0.4	0.7
5-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.2	0.5
6-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
7-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.1	0.6
8-Jan	A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.5
9-Jan	A	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0.5	0.8
10-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
11-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
12-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
13-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
14-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
15-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2	0.6
16-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	0	0	0	M	0	0	0	0	--	0.1
18-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
19-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
20-Jan	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.6
21-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
22-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
23-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
24-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
25-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
26-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1	0.5
27-Jan	A	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
28-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
29-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.5
30-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.5
31-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	--	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2		Diurnal Average
	--	1.3	1.3	1.5	1.3	1.1	1.2	1.2	1.4	1.3	1.5	1.1	0.6	0.8	1.6	1.4	1.2	1.1	1.0	1.2	1.2	1.4	1.2	1.4		Diurnal Maximum

C - Calibration      P - Power Failure      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span

Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 172 ppb      24-hr 48 ppb      30-day 11 ppb

# Hourly Averages

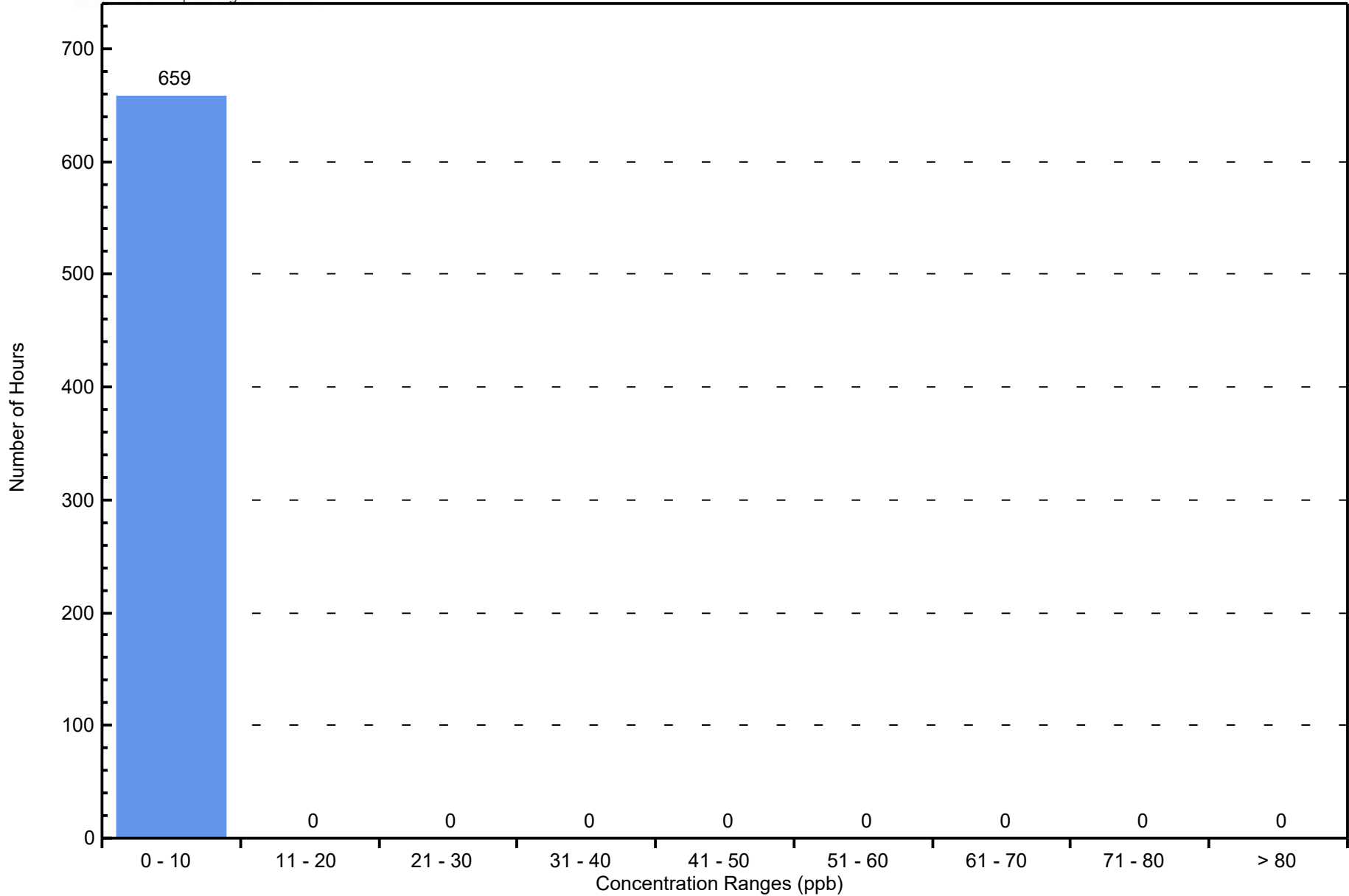
Sulphur Dioxide (SO<sub>2</sub>) - ppb  
Eagle HillN - Jan 1, 2025 to Feb 1, 2025



# Histogram of Hourly Averages

Sulphur Dioxide (SO<sub>2</sub>) - ppb

Eagle HillN - January 2025



# Hourly Averages

## Total Reduced Sulphur (TRS) - ppb Eagle HillN - Jan 1, 2025 to Feb 1, 2025

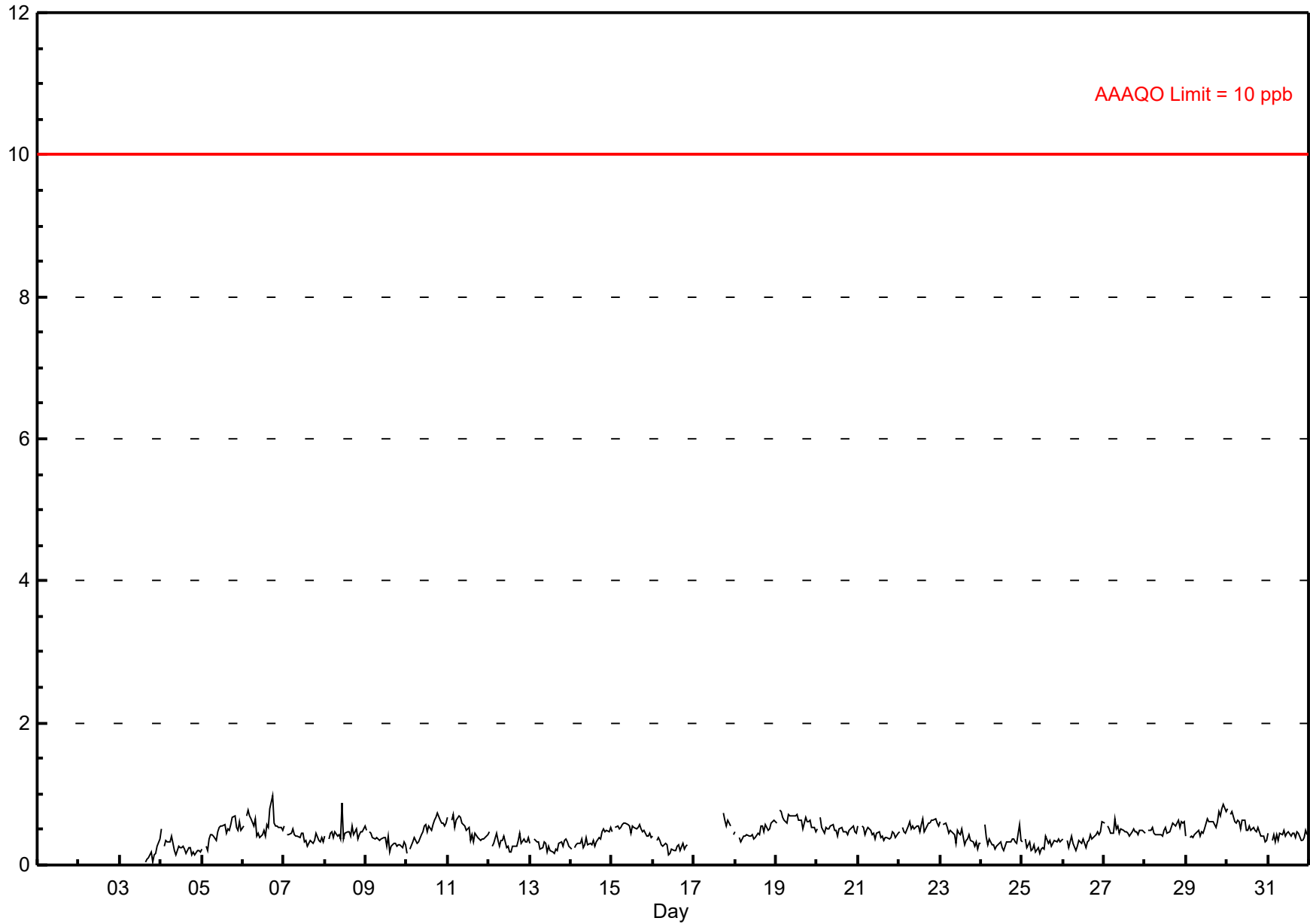
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 684
Maximum Value: 1.0 ppb on Jan 6 18:00	Maximum Daily Average: 0.6 ppb on Jan 19
Minimum Value: 0 ppb on Jan 3 20:00	Hours of Data: 633
Maximum Diurnal Average: 0.5 ppb at hour 3	Hours of Missing Data: 51
Monthly Average: 0.43 ppb	Hours of Calibration: 30
Minimum Daily Average: 0.3 ppb on Jan 4	Percent Operational Time: 96.9
Minimum Diurnal Average: 0.4 ppb at hour 16	
Percentiles: $P_1 = 0.1$ $P_{10} = 0.3$ $Q_1 = 0.3$ Median = 0.4 $Q_3 = 0.5$ $P_{90} = 0.6$ $P_{99} = 0.8$	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																						
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																						
3-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	0	0	0	0	0	0	0	0	0	--	0.4																						
4-Jan	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5																						
5-Jan	0	A	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	1	1	1	1	0	1	0	0.5	0.7																						
6-Jan	1	A	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0.6	1.0																						
7-Jan	1	A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6																						
8-Jan	0	A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	1	0.5	0.9																						
9-Jan	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5																						
10-Jan	0	A	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0.5	0.7																						
11-Jan	1	A	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0.5	0.7																						
12-Jan	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5																						
13-Jan	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4																						
14-Jan	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0.4	0.5																						
15-Jan	0	A	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0.5	0.6																						
16-Jan	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	P	P	P	0.3	0.4																						
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	1	1	1	1	1	M	0	--	0.7																						
18-Jan	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	1	1	1	0.5	0.6																						
19-Jan	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.6	0.8																						
20-Jan	1	A	1	1	0	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0.5	0.7																						
21-Jan	1	A	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5																						
22-Jan	0	A	1	0	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	0.6	0.7																						
23-Jan	1	A	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.4	0.6																						
24-Jan	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.3	0.6																						
25-Jan	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4																						
26-Jan	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.4	0.6																						
27-Jan	1	A	1	1	0	0	1	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0.5	0.6																						
28-Jan	0	A	0	0	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	0.5	0.6																						
29-Jan	0	A	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.9																						
30-Jan	1	A	1	1	1	1	1	1	1	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0.5	0.8																						
31-Jan	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5																						
																								0.5	--	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	Diurnal Average	
																								0.8	--	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.7	0.7	0.6	0.7	0.6	0.8	1.0	0.7	0.8	0.7	0.8	0.9	0.7	Diurnal Maximum

C - Calibration      P - Power Failure      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span  
 Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 10 ppb      24-hr 3 ppb

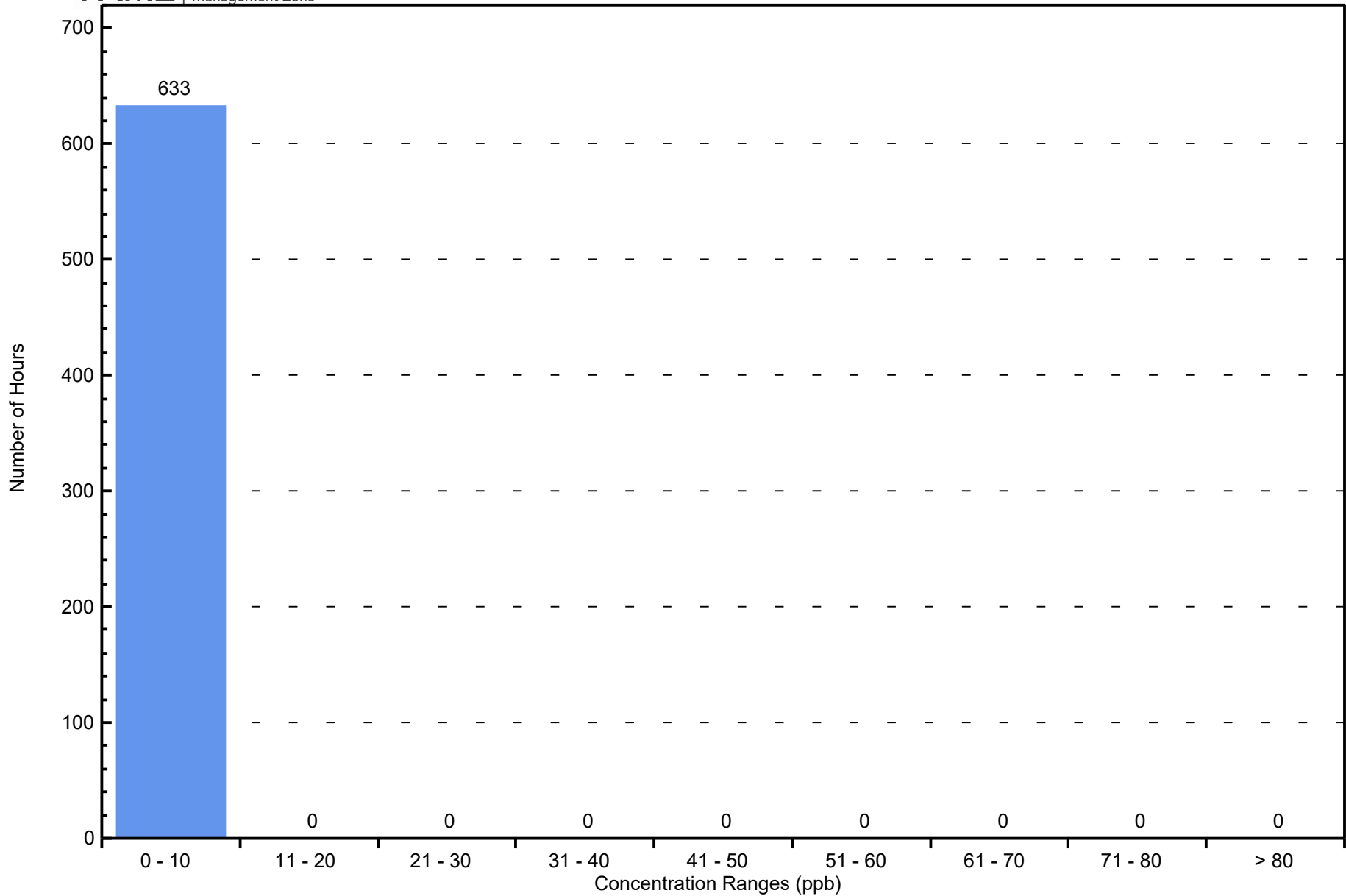
# Hourly Averages

**Total Reduced Sulphur (TRS) - ppb**  
**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**



# Histogram of Hourly Averages

Total Reduced Sulphur (TRS) - ppb  
Eagle HillN - January 2025



# Hourly Averages

## Nitrogen Dioxide (NO<sub>2</sub>) - ppb

### Eagle HillN - Jan 1, 2025 to Feb 1, 2025

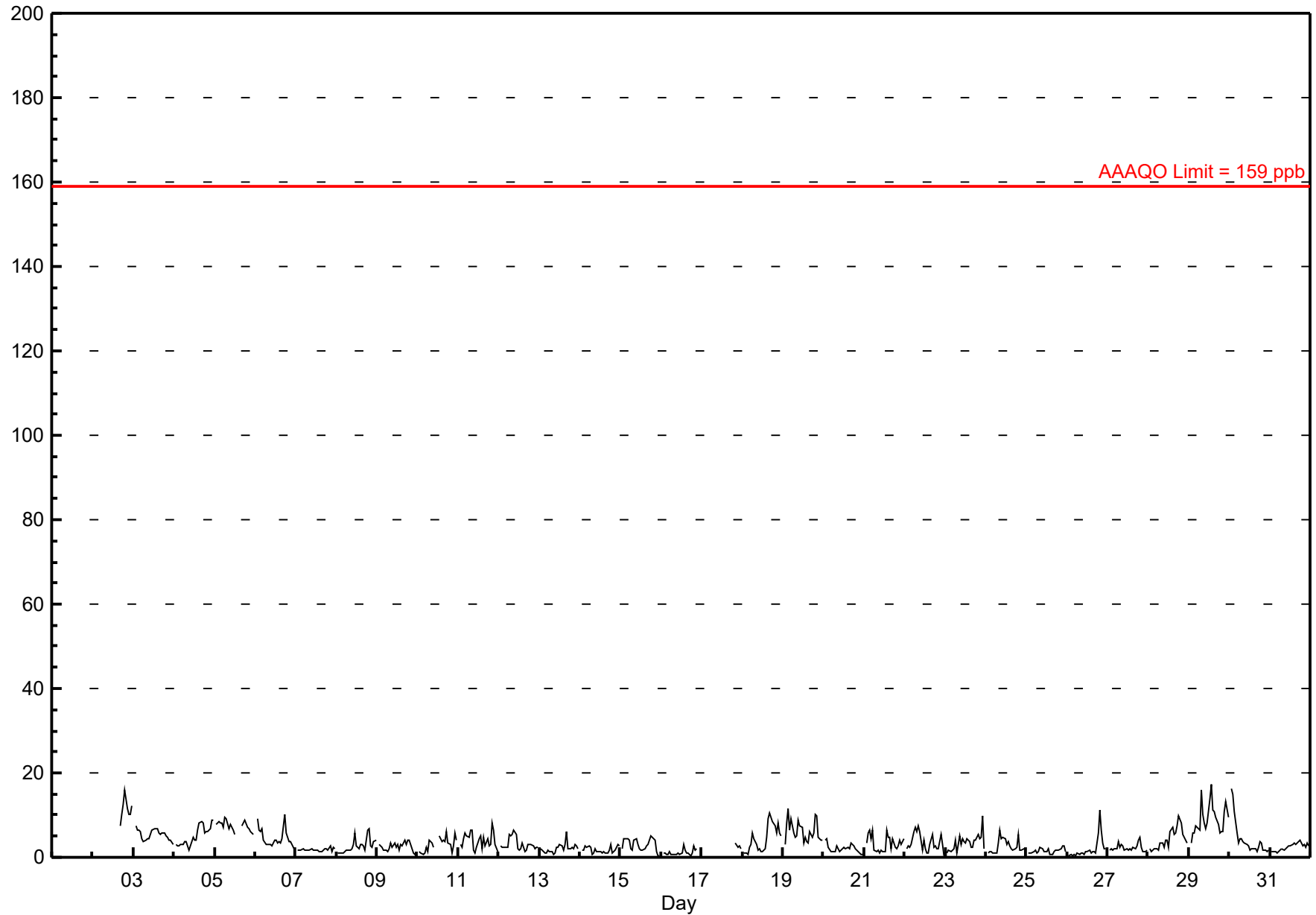
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 709
Maximum Value: 17.2 ppb on Jan 29 14:00	Maximum Daily Average: 9.0 ppb on Jan 29
Minimum Value: 0 ppb on Jan 26 04:00	Hours of Data: 649
Maximum Diurnal Average: 5.0 ppb at hour 20	Hours of Missing Data: 60
Monthly Average: 3.61 ppb	Hours of Calibration: 33
Minimum Daily Average: 1.1 ppb on Jan 16	Percent Operational Time: 96.2
Minimum Diurnal Average: 3.1 ppb at hour 13	
Percentiles: P <sub>1</sub> = 0.5 P <sub>10</sub> = 1.1 Q <sub>1</sub> = 1.7 Median = 2.8 Q <sub>3</sub> = 4.7 P <sub>90</sub> = 7.2 P <sub>99</sub> = 12.9	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																						
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	C	7	10	13	16	11	10	10	12	--	16.1																						
3-Jan	A	8	6	6	6	4	4	4	4	4	6	6	7	7	7	6	5	6	6	5	5	4	4	3	5.4	7.5																						
4-Jan	A	3	3	3	3	3	4	4	3	2	4	5	4	4	6	8	8	8	6	6	6	7	9	9	5.1	8.8																						
5-Jan	A	8	9	8	8	7	9	9	7	8	7	6	5	M	M	M	8	8	9	7	7	6	6	6	7.4	9.4																						
6-Jan	A	9	6	6	7	4	3	3	3	3	3	4	4	3	4	3	4	10	6	5	4	4	3	2	4.4	10.0																						
7-Jan	A	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	3	2	2	2	1.8	2.6																						
8-Jan	A	1	1	1	1	1	2	2	2	2	3	6	3	2	3	3	3	2	6	7	3	2	4	4	2.7	6.9																						
9-Jan	A	3	3	2	2	2	2	2	3	2	3	2	3	2	3	3	4	3	4	4	3	1	1	1	2.5	4.1																						
10-Jan	A	1	1	1	1	2	1	4	3	2	M	M	M	5	4	4	4	6	4	3	1	3	6	4	3.0	6.2																						
11-Jan	A	3	3	4	6	5	5	7	7	2	1	3	4	5	2	5	3	4	3	3	8	7	3	2	4.0	8.3																						
12-Jan	A	3	3	2	2	2	6	5	5	6	5	2	2	2	4	1	2	3	3	3	3	2	3	3	3.1	6.3																						
13-Jan	A	2	2	1	1	2	1	1	1	1	2	2	3	3	2	3	6	2	2	2	2	3	3	2	2.1	6.2																						
14-Jan	A	2	2	3	2	3	3	1	1	2	2	1	1	1	1	1	1	2	3	1	2	2	3	3	1.7	3.0																						
15-Jan	A	2	5	4	4	4	2	2	4	4	3	2	2	2	2	3	3	4	5	5	4	1	1	0	3.0	5.2																						
16-Jan	A	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	0	1	3	2	2	P	P	1.1	3.1																						
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	1	M	M	M	M	3	2	3	2	--	3.4																						
18-Jan	A	1	1	1	2	3	6	5	3	2	2	2	1	2	5	9	11	10	9	7	6	8	6	5	4.5	10.6																						
19-Jan	A	3	8	12	6	9	6	5	5	9	8	7	3	5	4	4	6	5	6	10	10	5	4	4	6.2	11.5																						
20-Jan	A	4	5	3	1	1	1	1	3	1	2	2	2	2	2	2	3	3	3	2	1	1	1	1	2.1	4.5																						
21-Jan	A	4	6	6	5	7	2	1	2	1	2	1	1	6	5	5	2	4	3	2	3	4	3	4	3.3	6.5																						
22-Jan	A	2	3	2	3	6	7	6	7	6	2	4	2	1	1	3	5	2	3	2	2	6	3	0	3.4	7.3																						
23-Jan	A	1	2	1	2	2	4	1	5	3	4	4	3	5	4	2	2	4	4	5	5	5	10	2	3.5	9.9																						
24-Jan	A	1	1	1	1	1	1	3	7	5	5	4	3	4	3	2	2	2	3	6	2	2	2	2	2.7	6.5																						
25-Jan	A	1	1	1	1	2	1	1	2	2	2	2	2	2	1	1	1	2	2	2	2	3	3	2	1.6	2.7																						
26-Jan	A	0	1	0	1	1	1	1	1	1	1	1	1	2	1	1	2	1	6	11	7	4	2	2	2.0	11.2																						
27-Jan	A	2	2	2	2	2	4	3	3	3	2	2	2	2	2	2	2	3	4	5	3	1	2	2	2.3	4.9																						
28-Jan	A	2	1	2	2	2	2	4	4	2	4	4	2	6	7	5	6	7	10	8	5	5	4	3	4.2	9.8																						
29-Jan	A	3	6	6	7	7	7	16	10	8	7	8	14	17	11	11	10	8	6	6	6	11	13	10	9.0	17.2																						
30-Jan	A	16	15	11	6	4	4	4	4	4	3	3	2	2	2	2	2	2	4	3	2	2	2	2	4.3	16.3																						
31-Jan	A	2	2	1	1	1	2	2	2	2	3	3	3	3	4	3	3	4	4	3	3	3	4	3	2.5	3.9																						
																								--	--																							
																								3.2	3.4	3.3	3.1	3.2	3.2	3.5	3.7	3.2	3.2	3.3	3.1	3.7	3.3	3.4	4.0	4.4	4.6	5.0	4.0	3.8	4.0	3.3	Diurnal Average	
																								16.3	15.0	11.5	8.0	9.0	9.4	16.0	10.2	8.9	7.6	8.0	13.8	17.2	11.2	10.8	10.6	10.1	12.5	16.1	11.4	11.0	13.3	12.2	Diurnal Maximum	

C - Calibration      P - Power Failure      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span  
 Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 159 ppb      24-hr 106 ppb

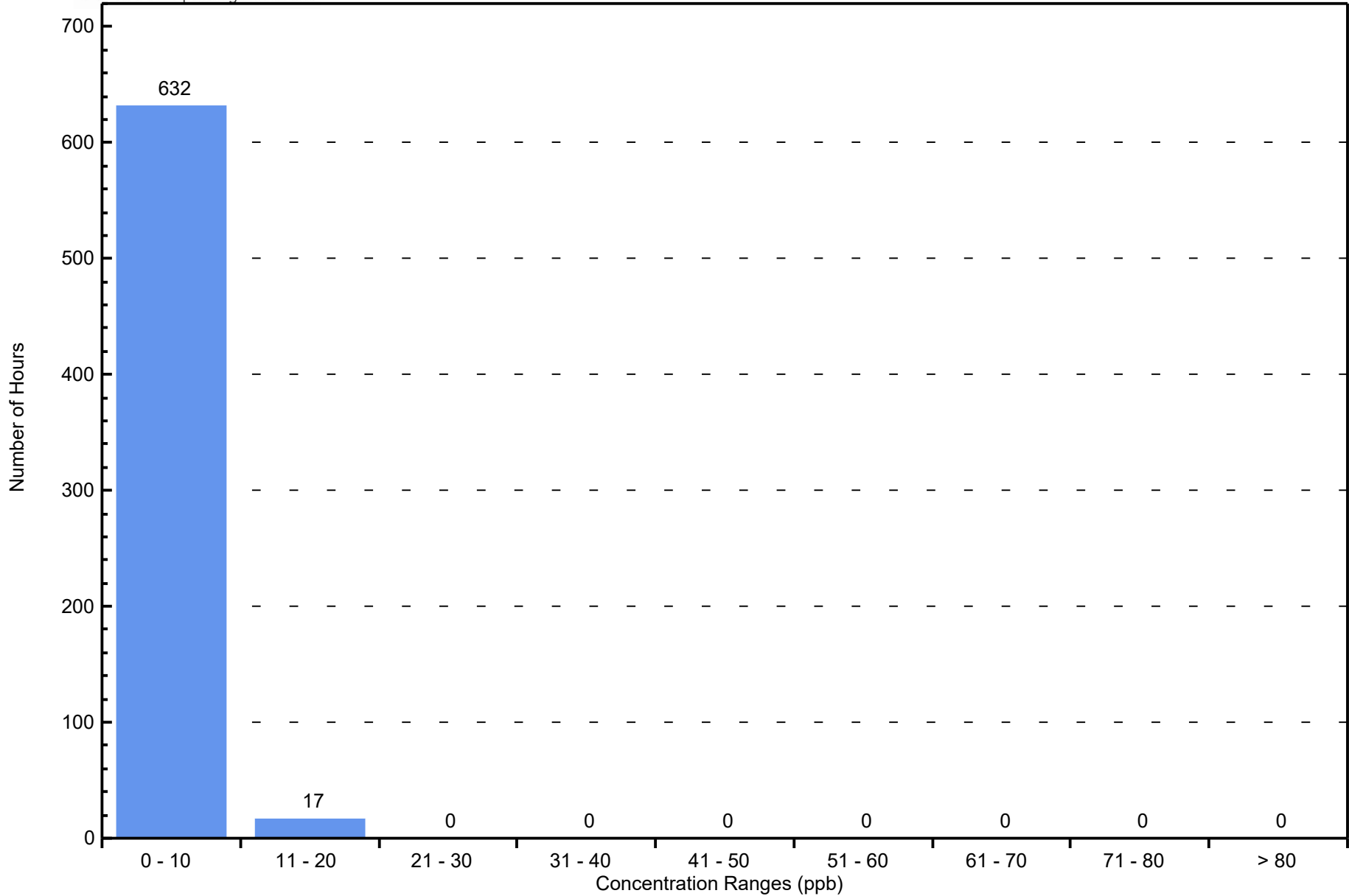
# Hourly Averages

Nitrogen Dioxide (NO<sub>2</sub>) - ppb  
Eagle HillN - Jan 1, 2025 to Feb 1, 2025



# Histogram of Hourly Averages

**Nitrogen Dioxide (NO<sub>2</sub>) - ppb**  
**Eagle HillN - January 2025**



# Hourly Averages

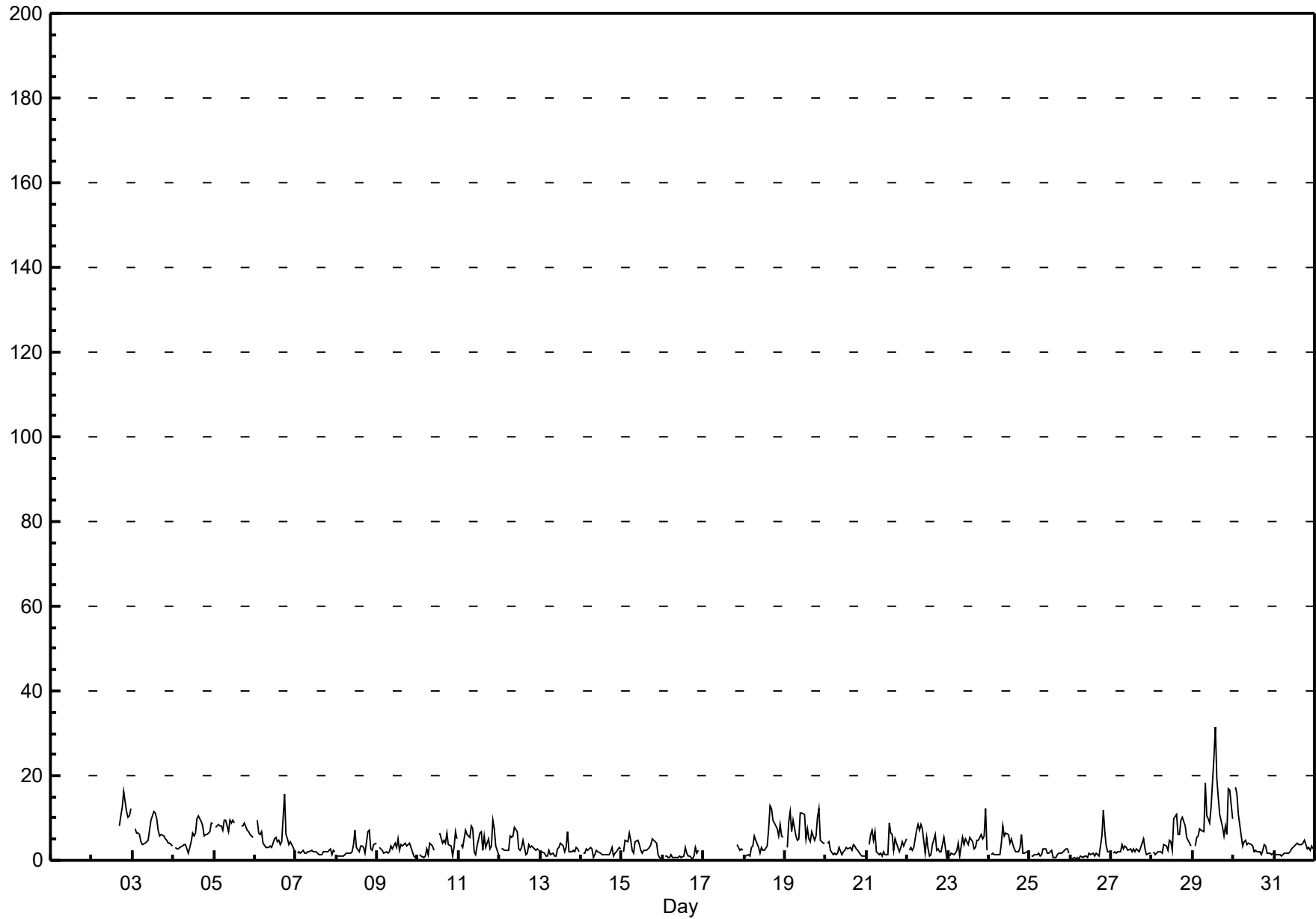
## Oxides of Nitrogen (NO<sub>x</sub>) - ppb

### Eagle HillN - Jan 1, 2025 to Feb 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0										Hours in Service: 709																											
Maximum Value: 31.4 ppb on Jan 29 14:00										Maximum Daily Average: 11.7 ppb on Jan 29																											
Minimum Value: 0 ppb on Jan 26 04:00										Hours of Data: 649																											
Maximum Diurnal Average: 5.3 ppb at hour 14										Hours of Missing Data: 60																											
Monthly Average: 4.09 ppb										Hours of Calibration: 33																											
										Percent Operational Time: 96.2																											
										Minimum Daily Average: 1.2 ppb on Jan 16																											
										Minimum Diurnal Average: 3.3 ppb at hour 2																											
										Percentiles: P <sub>1</sub> = 0.5 P <sub>10</sub> = 1.2 Q <sub>1</sub> = 1.9 Median = 3.1 Q <sub>3</sub> = 5.5 P <sub>90</sub> = 8.3 P <sub>99</sub> = 16.6																											
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum											
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--											
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	C	8	10	13	16	11	10	10	12	--	16.4											
3-Jan	A	7	6	6	6	4	4	4	4	5	7	10	11	11	10	7	6	6	6	5	5	4	4	3	6.2	11.4											
4-Jan	A	3	3	3	3	3	4	4	3	2	4	6	6	6	10	10	9	8	6	6	6	7	9	9	5.6	10.4											
5-Jan	A	8	9	8	8	7	9	9	7	9	9	10	9	M	M	M	8	8	9	7	7	6	6	6	7.9	9.5											
6-Jan	A	9	6	6	7	4	3	3	3	4	3	5	5	5	4	4	16	6	5	4	4	3	2	5.1	15.7												
7-Jan	A	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	3	1	2	2	2.0	2.6											
8-Jan	A	1	1	1	1	1	2	2	2	2	4	7	3	2	3	3	3	2	7	7	3	2	4	4	2.9	7.2											
9-Jan	A	3	3	2	2	2	2	2	3	3	4	3	5	2	4	3	4	3	4	4	3	1	1	1	2.8	4.9											
10-Jan	A	1	1	1	1	3	1	4	3	2	M	M	M	6	4	5	4	6	4	3	1	3	7	5	3.3	6.8											
11-Jan	A	4	3	5	7	6	5	8	7	2	1	3	6	7	2	6	3	5	3	3	9	7	3	2	4.8	9.5											
12-Jan	A	3	3	2	2	2	6	5	6	8	7	3	2	3	5	1	2	4	3	3	3	2	3	2	3.5	7.8											
13-Jan	A	2	2	1	1	2	1	2	1	1	3	3	4	3	2	3	7	2	2	2	2	3	3	2	2.4	6.6											
14-Jan	A	2	2	3	3	3	3	1	1	2	2	2	1	1	1	1	1	2	3	1	2	2	3	3	1.9	3.2											
15-Jan	A	2	5	4	6	5	2	2	4	5	4	2	2	2	2	3	3	4	5	5	4	1	1	0	3.2	6.5											
16-Jan	A	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	0	1	3	2	2	P	P	1.2	3.2											
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	1	M	M	M	M	4	2	3	2	--	3.7											
18-Jan	A	1	1	1	3	3	6	5	3	2	3	3	2	3	8	13	12	10	9	7	6	9	6	6	5.2	12.9											
19-Jan	A	3	9	12	7	10	6	5	5	11	11	11	5	8	5	4	7	5	6	10	12	5	4	4	7.1	12.1											
20-Jan	A	4	4	3	1	2	2	2	3	1	2	2	3	3	3	2	4	3	3	2	1	1	1	1	2.3	4.5											
21-Jan	A	4	6	7	5	7	2	1	2	1	2	1	2	9	6	6	2	5	3	2	3	5	3	5	3.9	8.8											
22-Jan	A	2	3	2	3	7	8	7	8	7	2	5	3	1	1	4	6	2	3	2	2	6	3	0	3.9	8.5											
23-Jan	A	1	2	1	2	2	4	1	5	4	5	4	4	6	4	3	3	5	5	6	5	6	12	3	4.0	12.0											
24-Jan	A	1	2	1	1	2	1	4	8	6	7	6	4	5	4	3	2	2	3	6	2	2	2	2	3.3	8.0											
25-Jan	A	1	1	1	1	2	1	2	3	3	2	2	2	2	1	1	1	2	2	2	2	3	3	2	1.7	2.8											
26-Jan	A	0	1	0	1	0	1	1	1	1	1	2	1	2	1	2	2	1	6	12	7	4	2	2	2.1	11.8											
27-Jan	A	2	2	2	2	2	4	3	3	3	2	3	2	3	2	3	2	3	4	5	3	1	2	2	2.5	5.0											
28-Jan	A	2	1	2	2	2	2	4	3	2	5	4	2	10	11	6	6	9	10	8	5	5	4	3	4.8	11.0											
29-Jan	A	3	6	6	7	7	7	18	10	10	9	13	25	31	19	15	11	8	6	8	6	17	17	10	11.7	31.4											
30-Jan	A	17	16	11	6	4	4	5	4	4	4	3	2	3	2	2	2	2	4	3	2	2	1	2	4.5	17.4											
31-Jan	A	1	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	4	5	3	3	2	3	3	2.7	4.8											
	--	3.3	3.6	3.4	3.3	3.5	3.3	3.8	3.9	3.7	3.9	4.4	4.4	5.3	4.6	4.2	4.4	4.8	4.8	5.2	4.2	4.2	4.3	3.4	Diurnal Average												
	--	17.4	15.6	11.5	8.1	9.5	9.4	18.5	10.4	11.2	11.1	12.6	24.5	31.4	19.2	14.8	12.3	15.7	12.7	16.4	12.1	16.8	16.7	12.3	Diurnal Maximum												
C - Calibration																								P - Power Failure		M - Maintenance				NS - Not in service				A - Automated Daily Zero Span			

# Hourly Averages

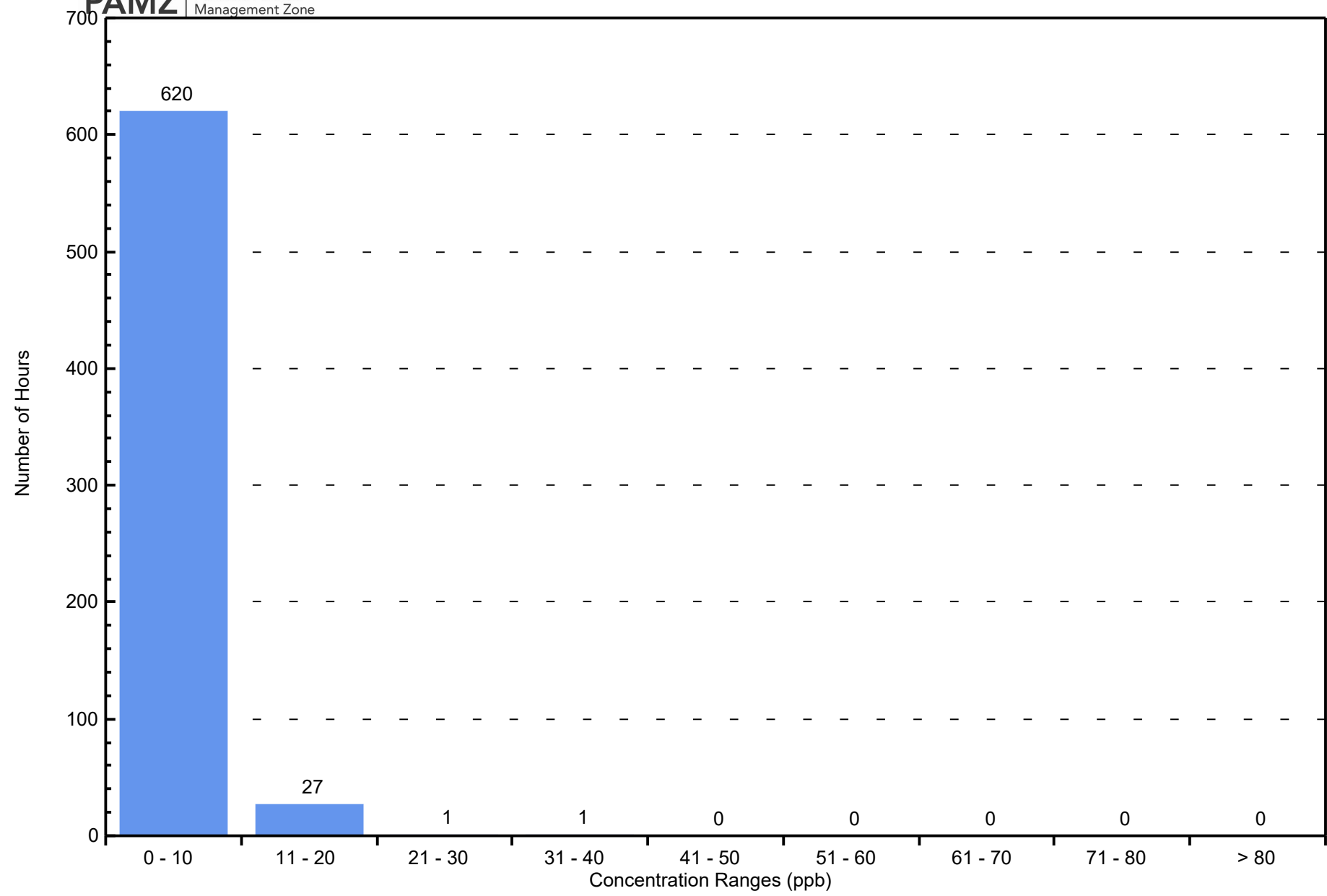
Oxides of Nitrogen (NO<sub>x</sub>) - ppb  
Eagle HillN - Jan 1, 2025 to Feb 1, 2025





# Histogram of Hourly Averages

Oxides of Nitrogen (NO<sub>x</sub>) - ppb  
Eagle HillN - January 2025



# Hourly Averages

**Nitrogen Oxide (NO) - ppb**

**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**

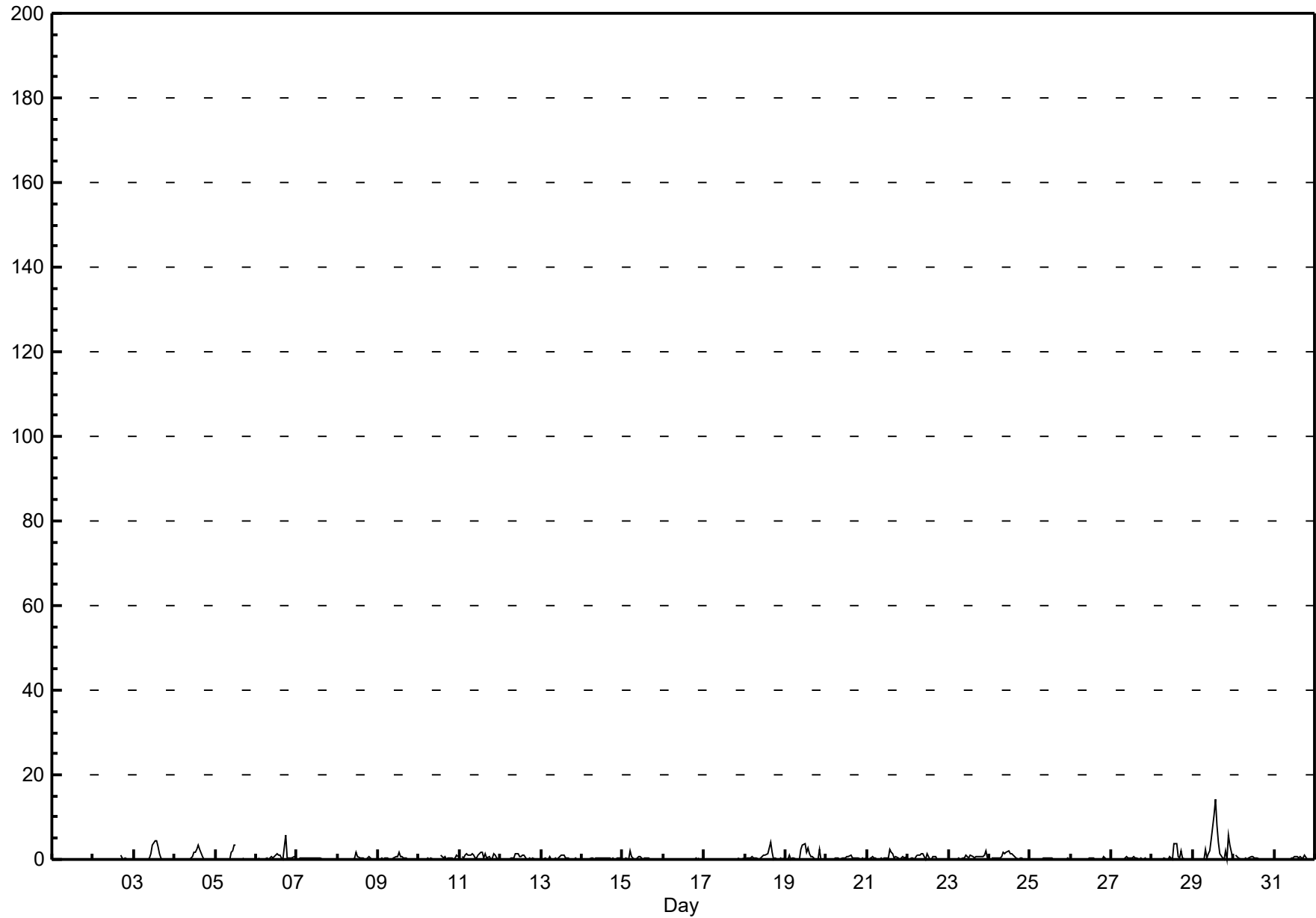
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 709
Maximum Value: 14.2 ppb on Jan 29 14:00	Maximum Daily Average: 2.7 ppb on Jan 29
Minimum Value: 0 ppb on Jan 2 22:00	Hours of Data: 649
Maximum Diurnal Average: 1.7 ppb at hour 14	Hours of Missing Data: 60
Monthly Average: 0.49 ppb	Hours of Calibration: 33
Minimum Daily Average: 0.1 ppb on Jan 16	Percent Operational Time: 96.2
Minimum Diurnal Average: 0.1 ppb at hour 4	
Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.2 Q <sub>3</sub> = 0.5 P <sub>90</sub> = 1.2 P <sub>99</sub> = 4.4	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																						
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	C	1	0	0	0	0	0	0	0	--	0.9																						
3-Jan	A	0	0	0	0	0	0	0	0	0	1	3	4	4	3	1	0	0	0	0	0	0	0	0	0.8	4.5																						
4-Jan	A	0	0	0	0	0	0	0	0	0	1	2	2	2	3	2	1	0	0	0	0	0	0	0	0.6	3.4																						
5-Jan	A	0	0	0	0	0	0	0	0	2	2	3	4	M	M	M	0	0	0	0	0	0	0	0	0.6	3.6																						
6-Jan	A	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	6	0	0	0	0	1	0	0.6	5.7																						
7-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5																						
8-Jan	A	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	1	0	0	0	0	0	0.2	1.6																						
9-Jan	A	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0.3	1.7																						
10-Jan	A	0	0	0	0	0	0	0	0	0	M	M	M	1	0	1	0	0	0	0	0	1	1	1	0.3	1.2																						
11-Jan	A	1	0	1	1	1	1	1	1	0	0	1	2	2	1	1	0	1	0	0	1	1	0	0	0.8	1.9																						
12-Jan	A	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.4	1.5																						
13-Jan	A	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0.3	0.9																						
14-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4																						
15-Jan	A	0	0	0	2	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.1																						
16-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4																						
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	0	M	M	M	M	0	0	0	0	--	0.3																						
18-Jan	A	0	0	0	1	0	0	0	0	0	1	1	1	1	3	4	2	0	0	0	0	0	0	0	0.7	3.9																						
19-Jan	A	0	1	0	0	0	0	0	0	2	3	4	2	3	1	1	1	0	0	0	2	0	0	0	0.9	3.9																						
20-Jan	A	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0.3	0.9																						
21-Jan	A	0	0	1	0	0	0	0	0	0	0	0	0	3	2	2	0	1	0	0	0	1	0	1	0.6	2.5																						
22-Jan	A	0	0	0	0	1	1	1	1	1	0	2	1	0	0	1	1	0	0	0	0	0	0	0	0.4	1.5																						
23-Jan	A	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	1	2	0.6	2.1																						
24-Jan	A	0	0	0	0	0	0	1	2	1	2	2	1	1	1	1	0	0	0	1	0	0	0	0	0.6	1.9																						
25-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5																						
26-Jan	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.1	0.6																						
27-Jan	A	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.2	0.7																						
28-Jan	A	0	0	0	0	0	0	0	0	0	1	0	0	4	4	1	0	2	0	0	0	0	0	0	0.6	3.8																						
29-Jan	A	0	0	0	0	0	0	3	0	1	2	5	11	14	8	4	1	0	0	2	0	6	3	0	2.7	14.2																						
30-Jan	A	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.1																						
31-Jan	A	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	0	0	0	0	0	0.2	0.9																						
																								--	--																							
																								Diurnal Average	Diurnal Maximum																							
																								--	--																							
																								1.1	0.9	0.9	2.1	1.1	1.1	2.5	1.5	2.3	3.5	4.6	10.7	14.2	8.0	4.0	1.7	5.7	0.9	2.2	2.4	5.8	3.4	0.8	Diurnal Average	Diurnal Maximum

C - Calibration      P - Power Failure      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span

# Hourly Averages

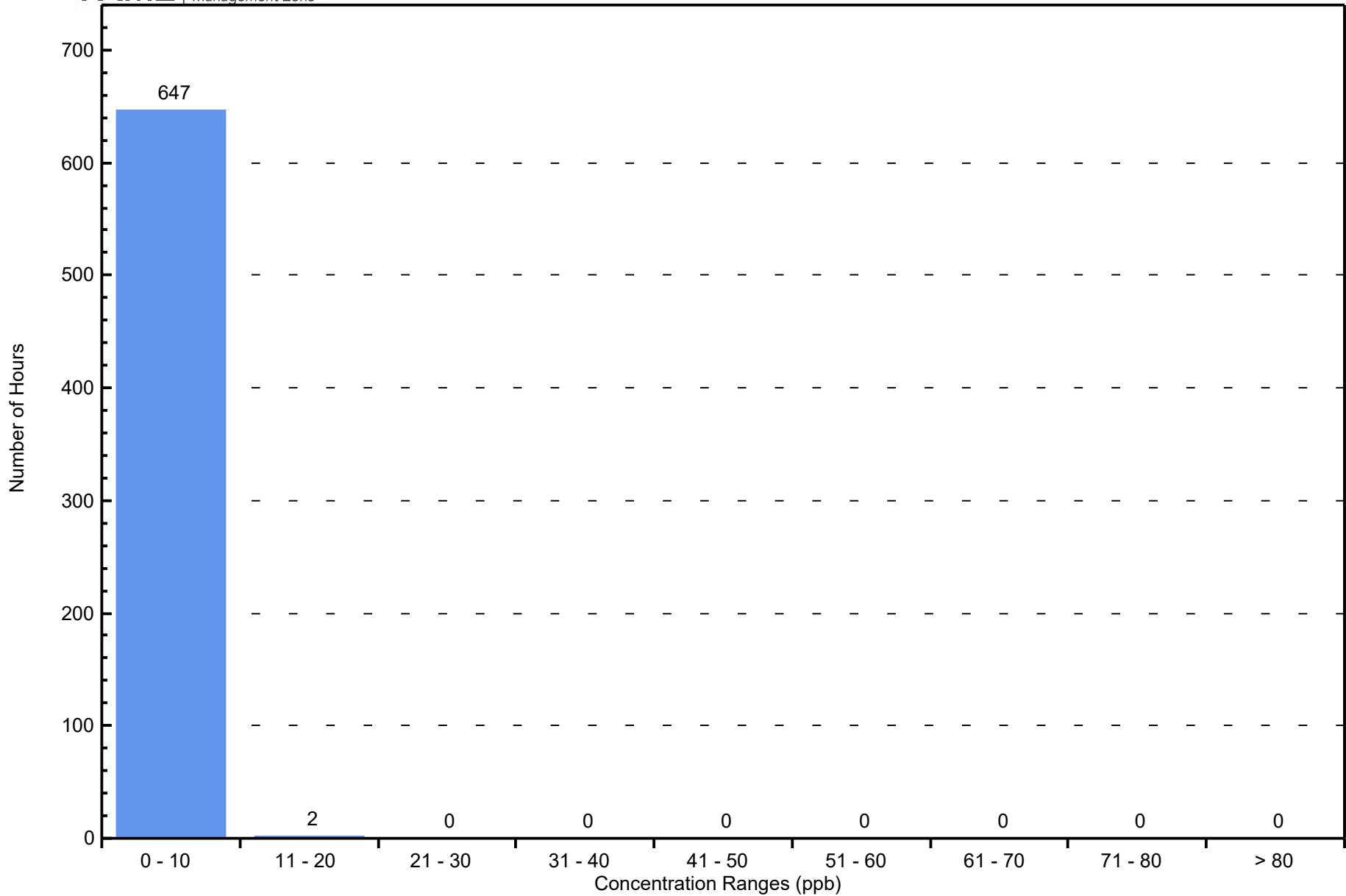
**Nitrogen Oxide (NO) - ppb**  
**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**





# Histogram of Hourly Averages

Nitrogen Oxide (NO) - ppb  
Eagle HillN - January 2025



# Hourly Averages

Ozone (O<sub>3</sub>) - ppb

Eagle HillN - Jan 1, 2025 to Feb 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 705
Maximum Value: 45.3 ppb on Jan 16 18:00	Maximum Daily Average: 38.9 ppb on Jan 16
Minimum Value: 7 ppb on Jan 5 08:00	Hours of Data: 650
Maximum Diurnal Average: 33.4 ppb at hour 15	Hours of Missing Data: 55
Monthly Average: 31.06 ppb	Hours of Calibration: 33
Minimum Daily Average: 12.9 ppb on Jan 5	Percent Operational Time: 96.9
Minimum Diurnal Average: 29.9 ppb at hour 6	
Percentiles: P <sub>1</sub> = 10.6 P <sub>10</sub> = 19.6 Q <sub>1</sub> = 26.9 Median = 32.7 Q <sub>3</sub> = 36.8 P <sub>90</sub> = 39.2 P <sub>99</sub> = 43.2	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	22	20	17	21	18	15	11	--	22.2
3-Jan	A	14	14	13	13	15	15	15	14	14	14	21	23	24	25	24	24	23	22	22	21	22	22	22	18.9	24.7
4-Jan	A	21	21	20	20	20	19	19	21	21	20	20	21	22	20	19	19	18	21	20	19	18	16	15	19.6	21.8
5-Jan	A	14	12	12	11	11	8	7	9	9	13	15	15	17	17	15	14	13	13	14	15	14	15	16	12.9	17.1
6-Jan	A	10	10	11	12	18	23	25	27	26	28	28	28	29	29	30	31	27	29	28	27	28	29	30	24.5	30.6
7-Jan	A	30	31	32	32	32	34	35	36	37	37	37	38	39	39	38	38	38	38	38	38	39	42	43	36.5	42.5
8-Jan	A	44	44	43	42	42	42	42	41	39	38	34	36	35	34	35	36	38	32	33	36	35	34	33	37.8	44.2
9-Jan	A	34	34	33	32	31	30	30	28	28	26	28	29	32	33	29	29	31	29	28	31	35	36	36	31.0	36.3
10-Jan	A	39	40	41	40	37	40	36	37	37	32	33	C	C	C	31	30	27	30	32	35	33	30	32	34.6	40.6
11-Jan	A	33	33	31	29	30	30	27	27	32	32	30	29	29	30	28	31	27	30	29	24	26	29	32	29.5	33.3
12-Jan	A	30	30	30	29	29	27	28	27	26	29	33	35	36	34	37	37	36	36	35	34	33	33	32	31.9	36.9
13-Jan	A	33	33	33	33	34	33	33	35	34	32	32	36	39	41	39	38	43	43	41	42	40	39	39	36.7	42.9
14-Jan	A	38	36	34	36	38	40	41	40	37	37	38	38	38	39	39	40	38	38	41	39	37	35	35	37.9	41.2
15-Jan	A	35	32	30	29	27	28	31	29	29	32	36	41	41	43	41	40	37	31	30	29	33	34	34	33.5	42.7
16-Jan	A	35	34	35	35	37	37	37	40	41	39	42	41	40	42	43	45	45	44	38	33	33	P	P	38.9	45.3
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	27	30	32	31	M	M	M	M	--	32.2
18-Jan	A	34	37	38	36	34	31	31	33	34	32	33	33	31	30	27	25	25	24	23	24	22	23	24	29.7	37.5
19-Jan	A	29	23	18	21	18	20	20	21	17	19	23	27	28	30	30	27	28	26	22	23	27	26	26	23.9	29.7
20-Jan	A	24	25	26	28	30	31	31	29	35	35	37	37	37	36	37	37	37	36	37	38	40	42	42	34.2	41.8
21-Jan	A	38	38	38	40	37	42	43	43	44	43	42	41	35	34	33	34	32	33	34	34	33	34	33	37.3	43.8
22-Jan	A	37	37	37	35	33	32	33	32	34	38	36	39	38	39	38	35	38	36	35	35	31	35	38	35.7	39.4
23-Jan	A	38	36	37	36	34	33	37	33	35	38	39	39	36	38	40	40	37	37	35	36	35	30	36	36.3	39.9
24-Jan	A	37	36	35	36	37	36	34	32	34	34	35	36	36	36	37	38	37	37	34	38	37	36	37	35.8	37.7
25-Jan	A	38	38	36	33	32	33	32	33	32	33	33	34	34	38	40	38	37	38	37	37	36	35	35	35.2	39.7
26-Jan	A	36	35	33	33	32	33	33	32	33	33	34	34	35	38	38	37	37	31	25	30	33	35	36	33.6	38.0
27-Jan	A	37	35	34	33	35	33	36	34	35	37	36	37	38	39	40	41	38	34	32	37	38	39	40	36.5	40.7
28-Jan	A	38	38	38	40	39	40	37	37	35	35	37	30	29	29	30	28	25	29	31	30	30	32	32	33.7	39.7
29-Jan	A	31	27	23	21	21	19	11	17	20	23	21	20	20	26	23	26	29	32	30	28	21	18	19	22.8	32.1
30-Jan	A	12	15	18	23	25	25	26	27	27	29	33	37	39	39	40	39	36	33	32	34	35	34	34	30.1	39.5
31-Jan	A	32	31	30	30	29	29	27	25	26	25	24	25	24	23	24	24	24	23	24	23	23	23	24	25.7	32.0

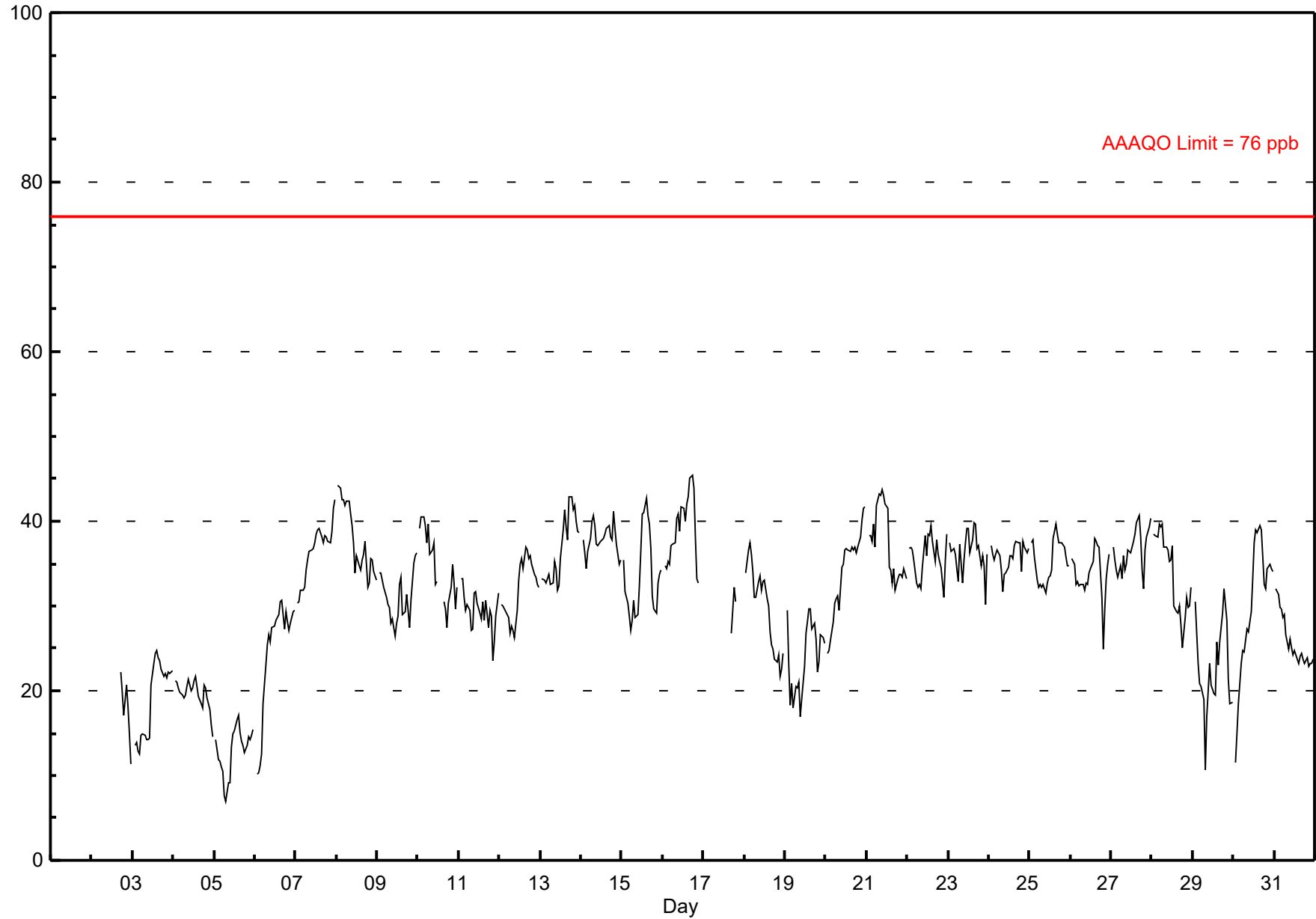
--	31.1	30.6	29.9	30.0	29.9	30.1	29.9	29.9	29.9	30.5	30.8	31.7	32.8	32.6	33.4	33.0	32.7	31.9	31.1	30.2	30.7	30.5	30.3	30.9	Diurnal Average
--	44.2	43.9	42.6	42.5	41.9	42.4	43.3	43.1	43.8	43.1	42.1	41.5	41.0	42.7	42.9	45.0	45.3	44.0	41.4	41.8	40.2	41.6	42.5	Diurnal Maximum	

C - Calibration      P - Power Failure      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span

Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 76 ppb      24-hr na

# Hourly Averages

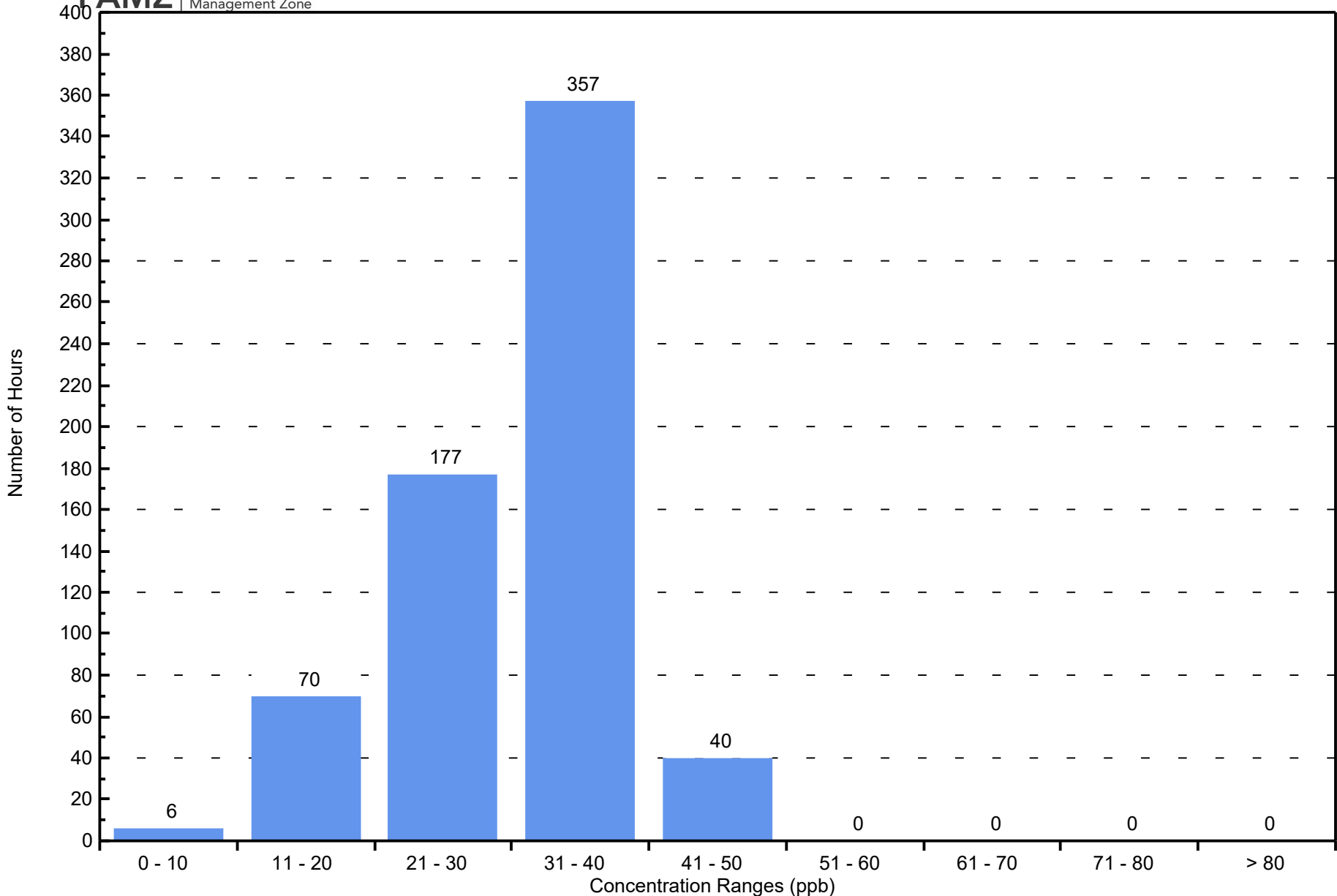
Ozone (O<sub>3</sub>) - ppb  
Eagle HillN - Jan 1, 2025 to Feb 1, 2025





# Histogram of Hourly Averages

Ozone (O<sub>3</sub>) - ppb  
Eagle HillIN - January 2025



# Hourly Averages

**PM2.5 (PM<sub>2.5</sub>) - µg/m<sup>3</sup>**

**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**

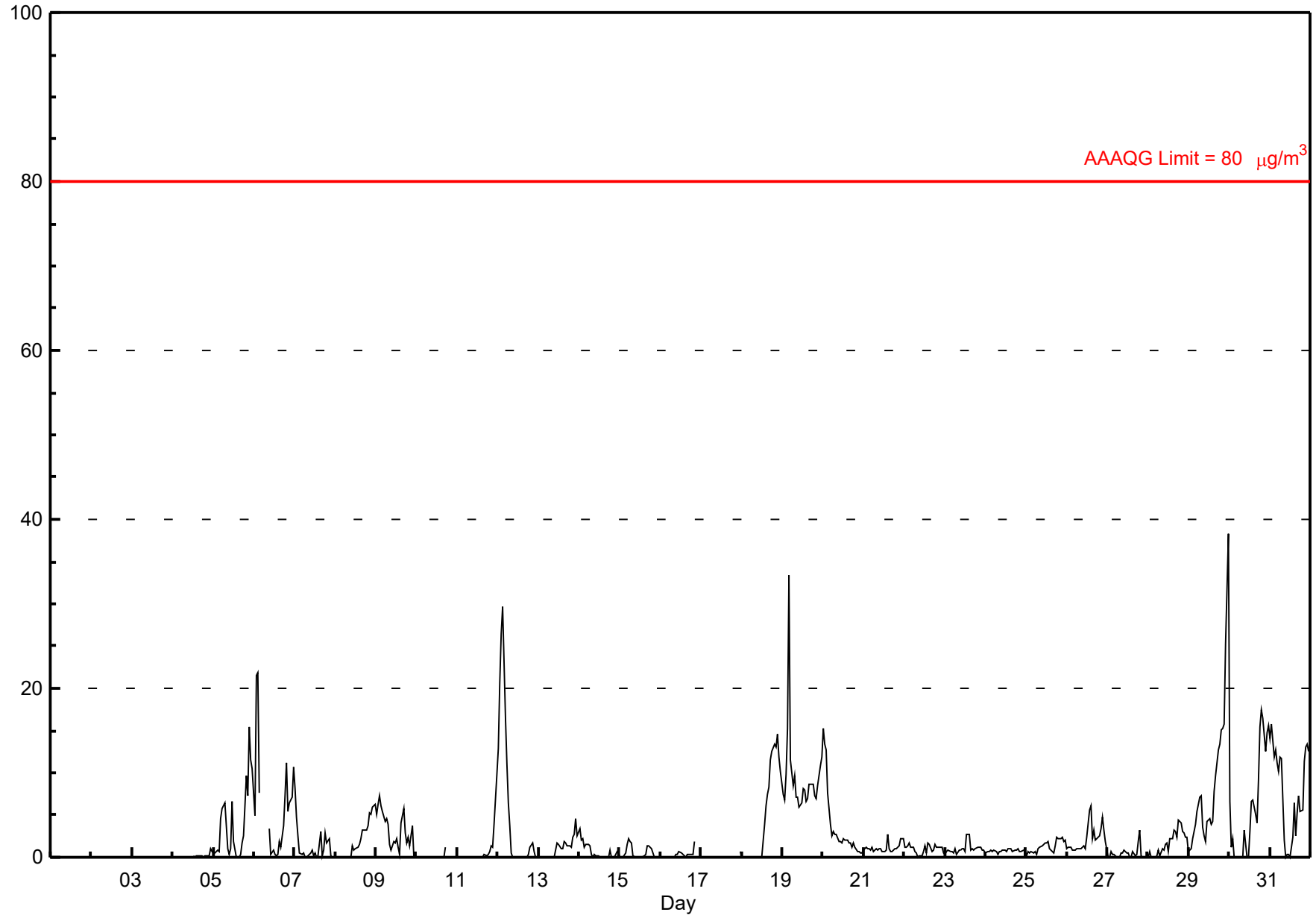
Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0	Hours in Service: 667
Maximum Value: 38.3 µg/m <sup>3</sup> on Jan 30 00:00	Maximum Daily Average: 9.6 µg/m <sup>3</sup> on Jan 19
Minimum Value: 0 µg/m <sup>3</sup> on Jan 5 14:00	Hours of Data: 611
Maximum Diurnal Average: 5.4 µg/m <sup>3</sup> at hour 24	Hours of Missing Data: 56
Monthly Average: 2.89 µg/m <sup>3</sup>	Hours of Calibration: 11
Minimum Daily Average: 0.3 µg/m <sup>3</sup> on Jan 16	Percent Operational Time: 93.3
Minimum Diurnal Average: 1.0 µg/m <sup>3</sup> at hour 11	
Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.2 Median = 1.0 Q <sub>3</sub> = 3.1 P <sub>90</sub> = 8.7 P <sub>99</sub> = 21.4	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
3-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
4-Jan	NS	NS	NS	NS	NS	C	C	C	C	C	C	C	0	0	0	0	0	0	0	0	0	0	1	1	--	1.0
5-Jan	1	1	1	1	5	6	6	6	1	0	1	7	2	0	0	0	0	2	3	10	7	15	12	10	4.0	15.4
6-Jan	5	22	22	8	N	N	N	N	N	3	0	1	0	0	0	2	1	4	7	11	5	6	7	11	6.1	21.9
7-Jan	8	5	3	1	0	0	0	0	0	1	1	0	1	0	0	3	0	1	3	2	2	0	0	0	1.2	8.2
8-Jan	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	4	5	5	6	6	1.8	6.2
9-Jan	5	6	7	6	5	4	5	4	2	1	2	2	2	1	0	4	6	3	2	2	1	4	0	0	3.1	7.3
10-Jan	0	0	0	0	0	0	0	0	0	C	C	C	C	0	0	0	0	1	N	N	N	N	N	N	--	1.2
11-Jan	N	N	N	N	N	N	N	N	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	10	--	9.8
12-Jan	13	21	26	30	16	11	6	4	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	5.5	29.7
13-Jan	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	2	2	1	1	1	2	3	5	3	1.1	4.5
14-Jan	3	2	2	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0.7	3.4
15-Jan	0	0	0	1	2	2	2	2	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0.6	2.2
16-Jan	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	P	P	P	0.3	1.9
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	1	--	0.7
18-Jan	0	0	0	0	0	0	0	0	0	0	0	0	4	6	8	8	8	12	13	13	13	15	12	10	4.7	14.7
19-Jan	7	7	10	15	33	12	9	10	7	7	6	6	8	8	7	7	9	9	9	7	7	9	11	12	9.6	33.4
20-Jan	15	13	13	8	4	3	3	3	3	2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	3.6	15.2
21-Jan	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	2	2	1.1	2.7
22-Jan	1	1	1	2	1	1	1	0	0	0	0	1	1	1	2	2	1	1	2	1	1	1	1	1	1.0	1.8
23-Jan	0	1	1	1	1	1	1	0	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1.0	2.8
24-Jan	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.0
25-Jan	0	1	1	1	1	1	0	1	1	1	2	2	2	2	1	1	0	1	2	2	2	2	2	2	1.3	2.4
26-Jan	1	1	1	1	1	1	1	1	1	1	1	1	2	6	6	2	3	2	2	3	3	5	3	2	2.2	6.2
27-Jan	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	2	3	0	0	0	0	0.5	3.2
28-Jan	0	1	0	0	0	0	1	0	1	1	2	2	1	2	2	3	3	2	4	4	3	3	2	2	1.7	4.4
29-Jan	1	1	2	3	4	5	7	7	4	3	2	4	5	4	4	8	10	13	13	15	15	16	25	38	8.7	38.3
30-Jan	7	1	2	0	0	0	0	0	0	3	0	0	3	7	7	5	4	9	15	18	16	13	15	16	5.8	17.5
31-Jan	14	16	12	13	11	10	12	12	2	0	0	0	0	2	6	3	5	7	5	6	11	13	13	12	7.8	15.7
	3.3	4.0	4.3	3.6	3.6	2.5	2.4	2.2	1.0	1.1	1.0	1.3	1.3	1.7	2.0	2.1	2.3	2.8	3.6	4.2	4.1	4.6	5.0	5.4	Diurnal Average	
	15.2	21.5	26.5	29.7	33.4	11.5	11.9	11.7	7.2	7.1	5.9	6.7	8.2	8.0	6.9	7.8	9.7	12.8	15.5	17.5	16.5	15.7	25.2	38.3	Diurnal Maximum	

C - Calibration      P - Power Failure      N - Not Valid      NS - Not in service  
 Alberta Ambient Air Quality Guidelines (AAQG): 1-hr 80 µg/m<sup>3</sup>      Alberta Ambient Air Quality Objectives (AAQO): 24-hr 29 µg/m<sup>3</sup>

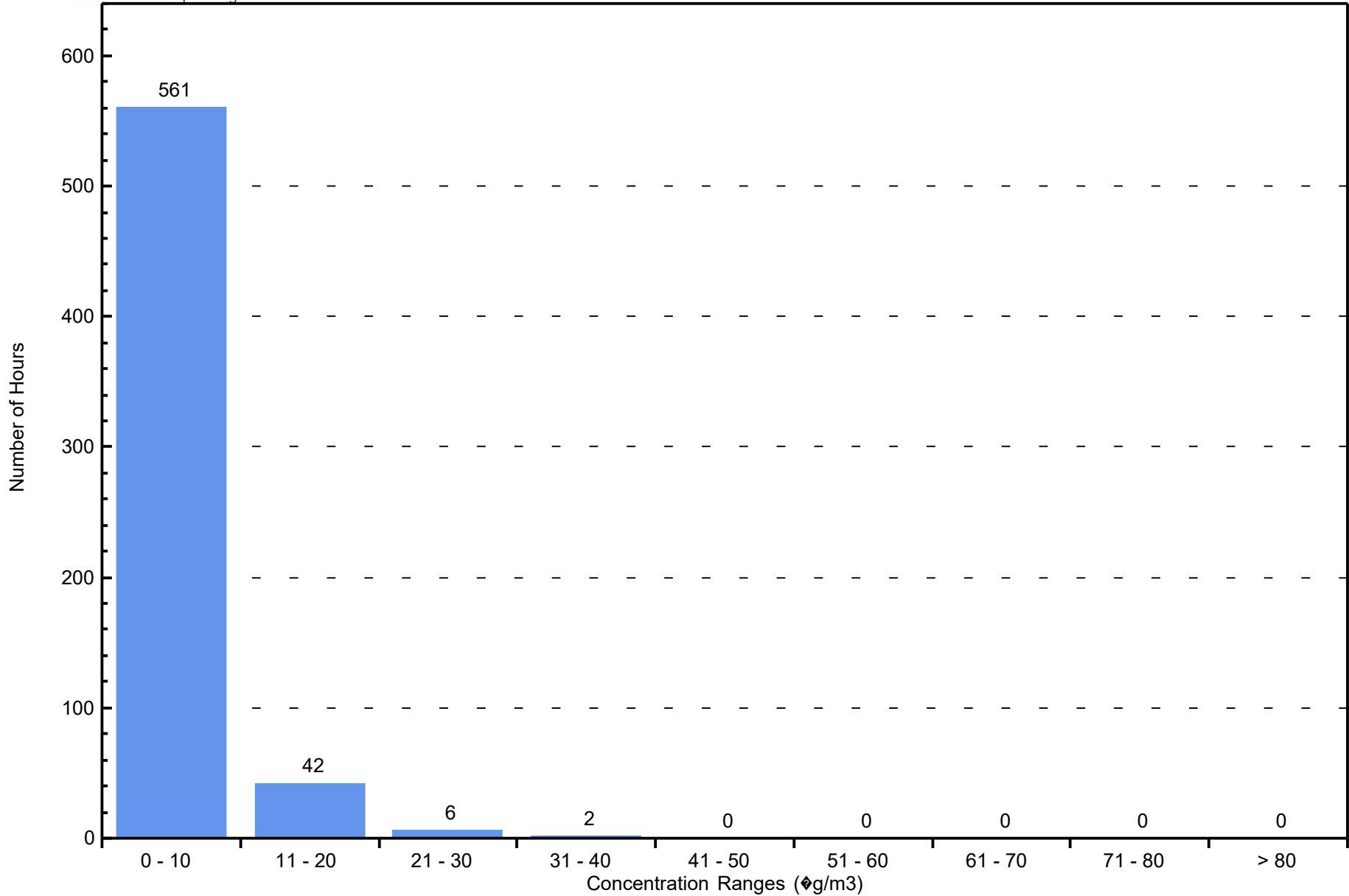
# Hourly Averages

**PM2.5 (PM<sub>2.5</sub>) - μg/m<sup>3</sup>**  
**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**



# Histogram of Hourly Averages

**PM2.5 (PM<sub>2.5</sub>) - μg/m<sup>3</sup>**  
**Eagle HillN - January 2025**



# Hourly Averages

## Total Hydrocarbons (THC) - ppm Eagle HillN - Jan 1, 2025 to Feb 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 660
Maximum Value: 2.76 ppm on Jan 29 23:00	Maximum Daily Average: 2.32 ppm on Jan 5
Minimum Value: 2.0 ppm on Jan 10 04:00	Hours of Data: 605
Maximum Diurnal Average: 2.09 ppm at hour 23	Hours of Missing Data: 55
Monthly Average: 2.063 ppm	Hours of Calibration: 32
Minimum Daily Average: 1.98 ppm on Jan 16	Percent Operational Time: 96.5
Minimum Diurnal Average: 2.05 ppm at hour 17	
Percentiles: P <sub>1</sub> = 1.96 P <sub>10</sub> = 1.99 Q <sub>1</sub> = 2.01 Median = 2.03 Q <sub>3</sub> = 2.08 P <sub>90</sub> = 2.20 P <sub>99</sub> = 2.49	

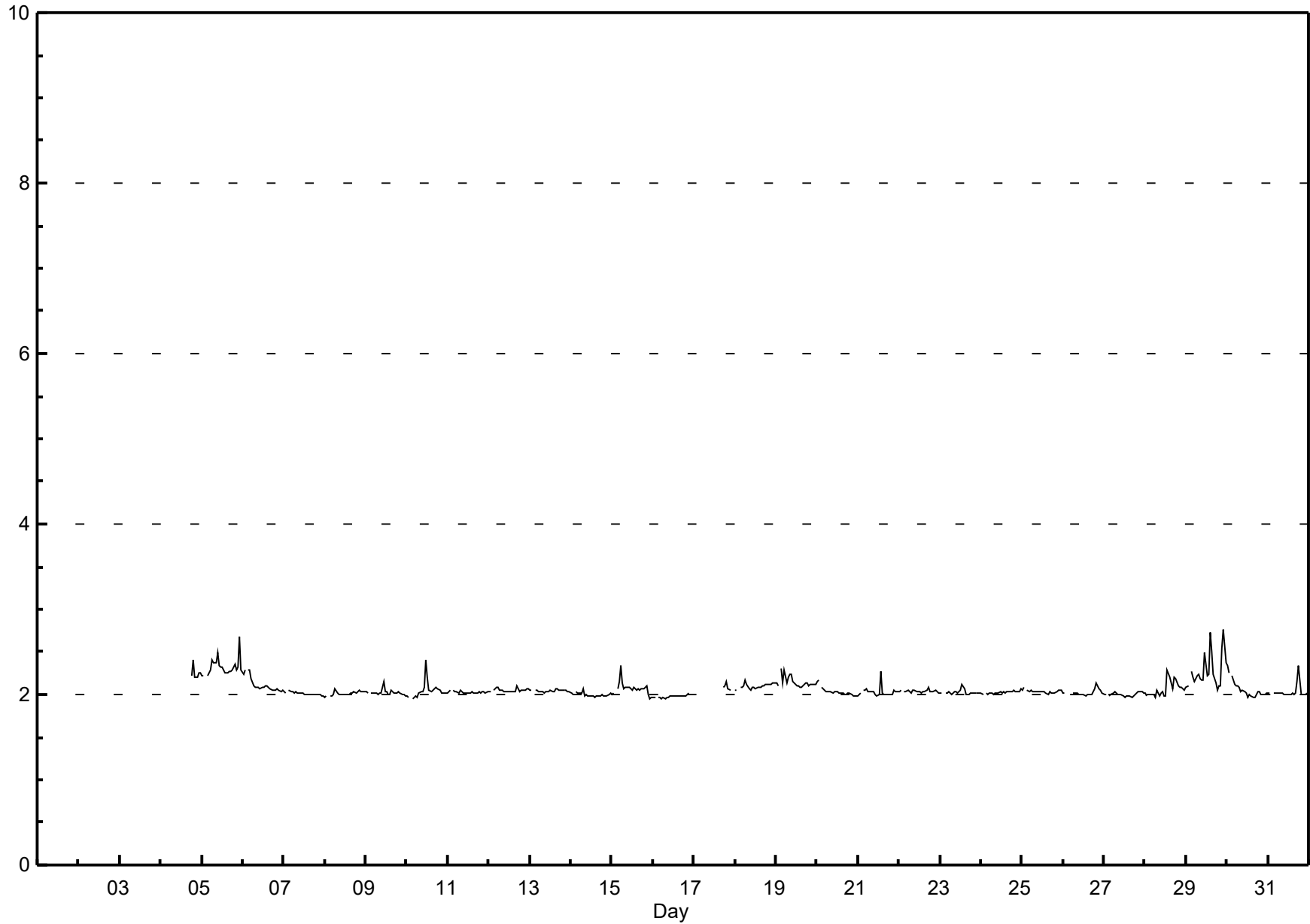
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
3-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
4-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	C	C	2.2	2.4	2.2	2.2	2.2	2.3	--	2.41
5-Jan	2.2	2.2	A	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.7	2.3	2.32	2.68
6-Jan	2.2	2.3	A	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.11	2.30
7-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.01	2.04
8-Jan	2.0	2.0	A	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.01	2.07
9-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.02	2.15
10-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.4	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.05	2.41
11-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.03	2.05
12-Jan	2.0	2.0	A	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.05	2.11
13-Jan	2.1	2.1	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.04	2.06
14-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.00	2.07
15-Jan	2.0	2.0	A	2.1	2.2	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.07	2.33
16-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	N	N	1.98	2.01
17-Jan	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2.1	2.1	2.2	2.1	2.1	M	M	--	2.16
18-Jan	2.0	2.0	A	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.10	2.17
19-Jan	2.1	2.1	A	2.3	2.1	2.3	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.15	2.30
20-Jan	2.1	2.2	A	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.03	2.18
21-Jan	2.0	2.0	A	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.03	2.28
22-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.1	2.0	2.0	2.04	2.09
23-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.03	2.12
24-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.02	2.07
25-Jan	2.0	2.1	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.03	2.08
26-Jan	2.0	2.0	A	2.0	N	N	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.02	2.14
27-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.00	2.03
28-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.06	2.29
29-Jan	2.1	2.1	A	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.2	2.7	2.5	2.2	2.1	2.1	2.1	2.1	2.5	2.8	2.4	2.27	2.76
30-Jan	2.3	2.3	A	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.06	2.34
31-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.03	2.34

2.06	2.06	--	2.07	2.06	2.07	2.06	2.06	2.05	2.06	2.05	2.07	2.05	2.07	2.07	2.06	2.05	2.06	2.07	2.07	2.06	2.07	2.09	2.06	2.06	Diurnal Average
2.34	2.30	--	2.30	2.28	2.33	2.40	2.37	2.38	2.49	2.34	2.49	2.32	2.29	2.74	2.52	2.27	2.27	2.34	2.41	2.29	2.54	2.76	2.37	2.06	Diurnal Maximum

C - Calibration      M - Maintenance      N - Not Valid      NS - Not in service      A - Automated Daily Zero Span

## Hourly Averages

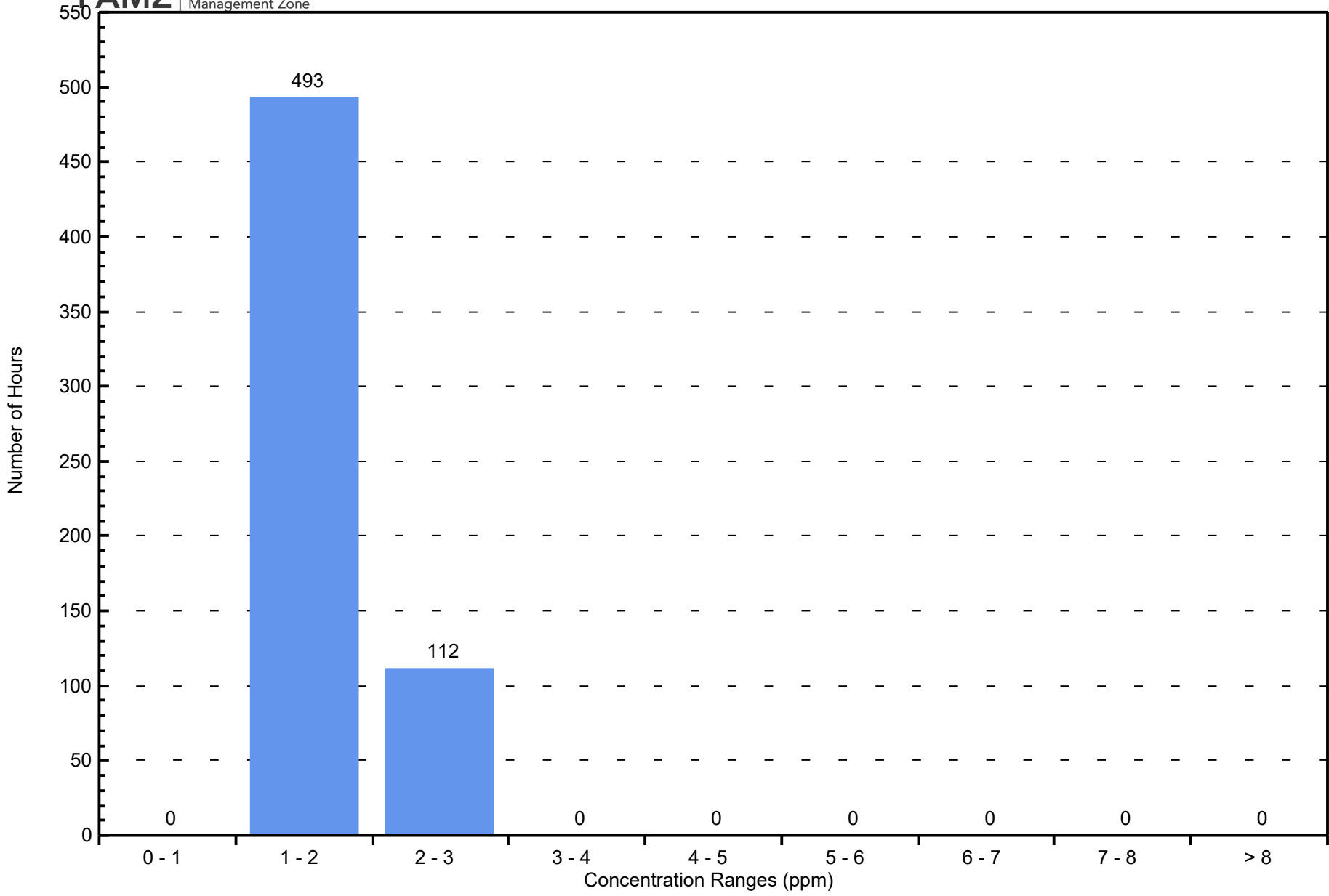
**Total Hydrocarbons (THC) - ppm**  
**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**





# Histogram of Hourly Averages

Total Hydrocarbons (THC) - ppm  
Eagle HillIN - January 2025



# Hourly Averages

Methane (CH<sub>4</sub>) - ppm

Eagle HillN - Jan 1, 2025 to Feb 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 660
Maximum Value: 2.50 ppm on Jan 29 23:00	Maximum Daily Average: 2.29 ppm on Jan 5
Minimum Value: 2.0 ppm on Jan 10 04:00	Hours of Data: 605
Maximum Diurnal Average: 2.07 ppm at hour 23	Hours of Missing Data: 55
Monthly Average: 2.054 ppm	Hours of Calibration: 32
Minimum Daily Average: 1.98 ppm on Jan 16	Percent Operational Time: 96.5
Minimum Diurnal Average: 2.04 ppm at hour 13	
Percentiles: P <sub>1</sub> = 1.96 P <sub>10</sub> = 1.99 Q <sub>1</sub> = 2.01 Median = 2.03 Q <sub>3</sub> = 2.07 P <sub>90</sub> = 2.16 P <sub>99</sub> = 2.36	

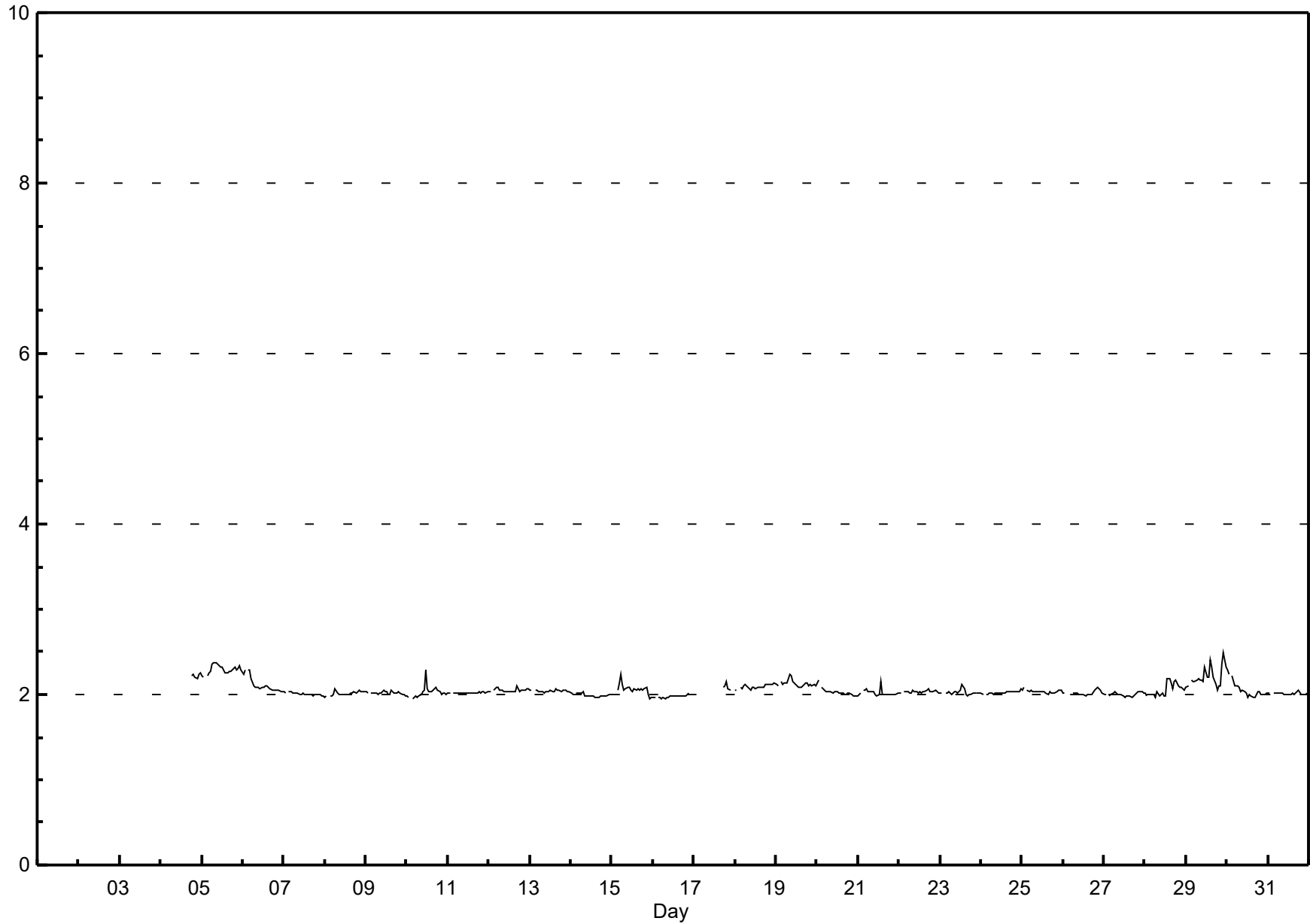
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
3-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
4-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	C	C	2.2	2.2	2.2	2.2	2.2	2.3	--	2.25
5-Jan	2.2	2.2	A	2.2	2.2	2.3	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.29	2.38
6-Jan	2.2	2.3	A	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.11	2.30
7-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.01	2.03
8-Jan	2.0	2.0	A	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.01	2.07
9-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.02	2.06
10-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.03	2.28
11-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.02	2.03
12-Jan	2.0	2.0	A	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.05	2.11
13-Jan	2.1	2.1	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.04	2.06
14-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.99	2.04
15-Jan	2.0	2.0	A	2.0	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.06	2.23
16-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	N	1.98	2.01
17-Jan	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2.1	2.1	2.2	2.1	2.1	2.1	M	--	2.15
18-Jan	2.0	2.0	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.09	2.14
19-Jan	2.1	2.1	A	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.13	2.23
20-Jan	2.1	2.2	A	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.03	2.18
21-Jan	2.0	2.0	A	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.02	2.16
22-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.1	2.0	2.0	2.03	2.06
23-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.03	2.12
24-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.02	2.07
25-Jan	2.0	2.1	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.03	2.08
26-Jan	2.0	2.0	A	2.0	N	N	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.02	2.08
27-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.00	2.03
28-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.05	2.19
29-Jan	2.1	2.1	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.4	2.3	2.2	2.1	2.1	2.1	2.1	2.4	2.5	2.3	2.21	2.50
30-Jan	2.3	2.2	A	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.05	2.30
31-Jan	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.01	2.05

2.05	2.05	--	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.06	2.04	2.06	2.05	2.05	2.04	2.05	2.06	2.06	2.06	2.06	2.06	2.07	2.06	Diurnal Average
2.30	2.30	--	2.28	2.28	2.28	2.36	2.37	2.38	2.36	2.34	2.31	2.32	2.25	2.41	2.33	2.27	2.27	2.29	2.32	2.29	2.36	2.50	2.32	Diurnal Maximum	

C - Calibration      M - Maintenance      N - Not Valid      NS - Not in service      A - Automated Daily Zero Span

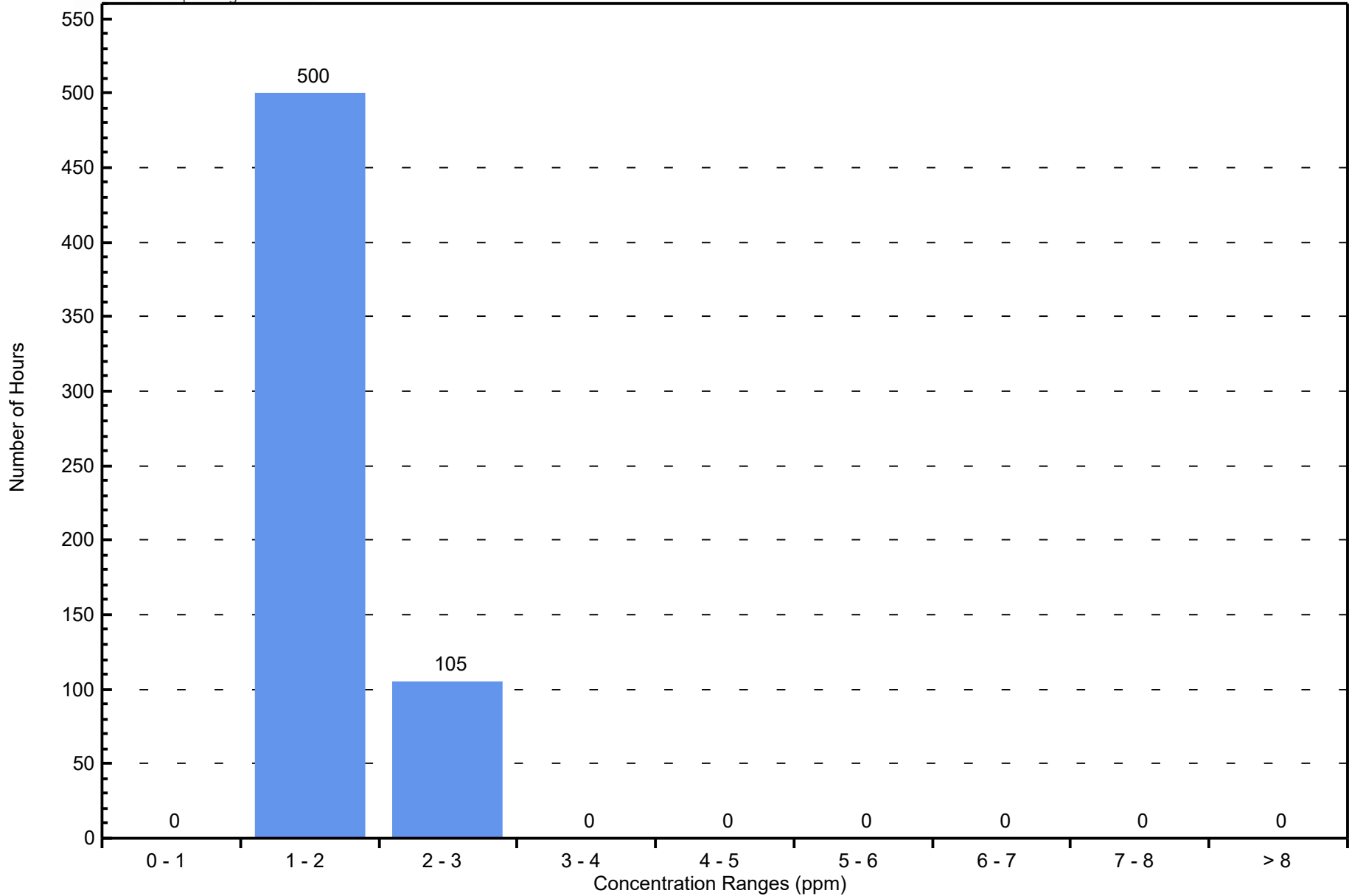
# Hourly Averages

**Methane (CH<sub>4</sub>) - ppm**  
**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**



# Histogram of Hourly Averages

Methane (CH<sub>4</sub>) - ppm  
Eagle HillIN - January 2025



# Hourly Averages

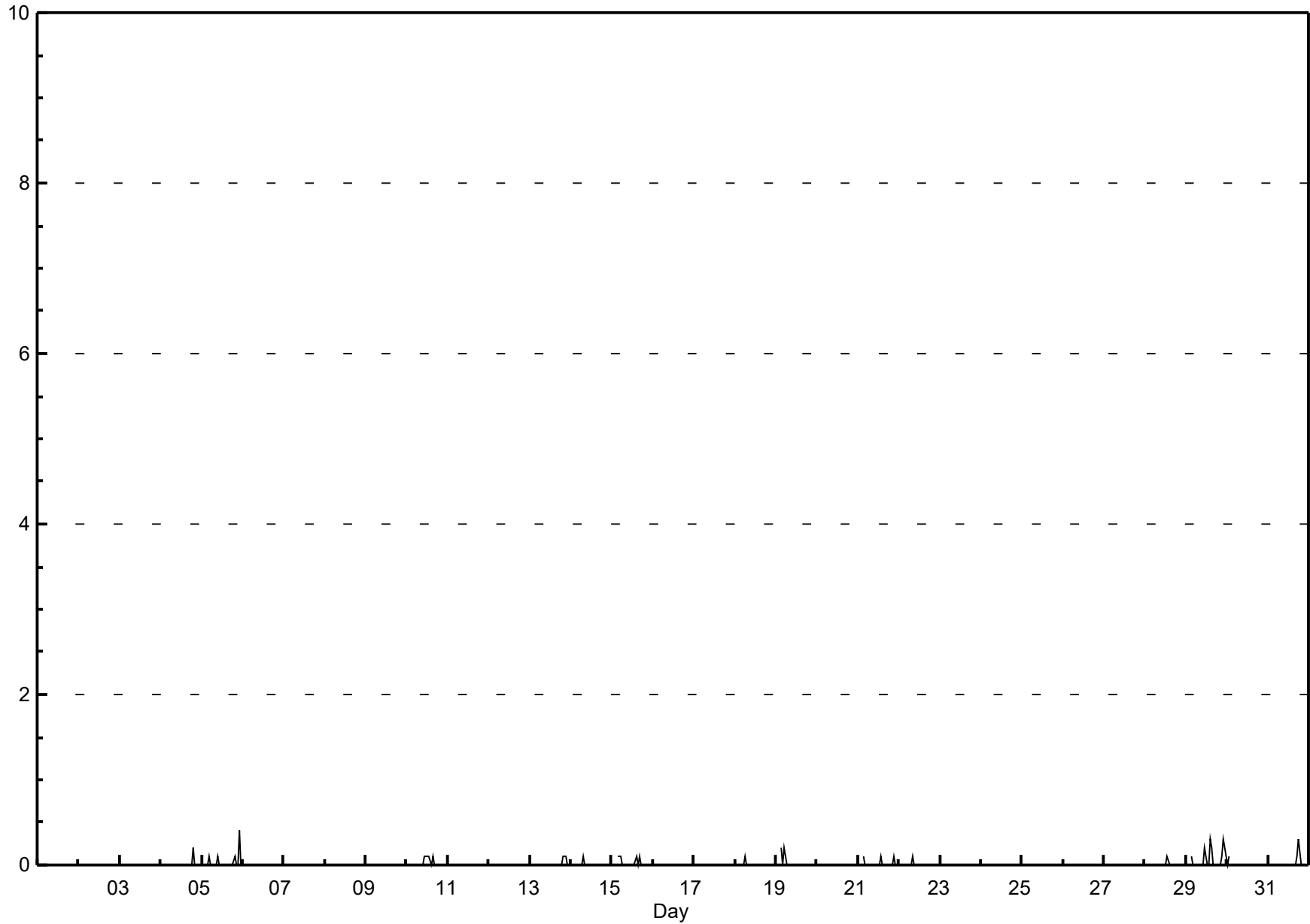
## Non Methane Hydrocarbon (NMHC) - ppm

### Eagle HillN - Jan 1, 2025 to Feb 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 0.40 ppm on Jan 5 23:00      Maximum Daily Average: 0.06 ppm on Jan 29		Hours in Service: 660 Hours of Data: 605 Hours of Missing Data: 55 Hours of Calibration: 32 Percent Operational Time: 96.5																																															
Minimum Value: 0.0 ppm on Jan 4 19:00 Maximum Diurnal Average: 0.03 ppm at hour 23 Monthly Average: 0.008 ppm		Minimum Daily Average: 0.00 ppm on Jan 6 Minimum Diurnal Average: 0.00 ppm at hour 1 Percentiles: P <sub>1</sub> = 0.00 P <sub>10</sub> = 0.00 Q <sub>1</sub> = 0.00 Median = 0.00 Q <sub>3</sub> = 0.00 P <sub>90</sub> = 0.00 P <sub>99</sub> = 0.20																																															
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																							
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																							
3-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																							
4-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	C	C	C	C	C	C	0.0	0.2	0.0	0.0	0.0	0.0	--	0.20																							
5-Jan	0.0	0.0	A	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.03	0.40																								
6-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
7-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
8-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
9-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
10-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																								
11-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
12-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
13-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.01	0.10																								
14-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																								
15-Jan	0.0	0.0	A	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.10																								
16-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N	0.00	0.00																								
17-Jan	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0	0.0	0.0	0.0	0.0	M	M	--	0.00																							
18-Jan	0.0	0.0	A	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																								
19-Jan	0.0	0.0	A	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.20																								
20-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
21-Jan	0.0	0.0	A	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.01	0.10																								
22-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																								
23-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
24-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
25-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
26-Jan	0.0	0.0	A	0.0	N	N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
27-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																								
28-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																								
29-Jan	0.0	0.0	A	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.06	0.30																								
30-Jan	0.0	0.1	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																								
31-Jan	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.02	0.30																								
																								0.00	0.00	--	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.02	0.01	0.00	0.01	0.01	0.00	0.01	0.03	0.00	Diurnal Average		
																								0.00	0.10	--	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.30	0.20	0.10	0.10	0.30	0.20	0.10	0.10	0.40	0.10	Diurnal Maximum	
C - Calibration      M - Maintenance      N - Not Valid      NS - Not in service      A - Automated Daily Zero Span																																																	

# Hourly Averages

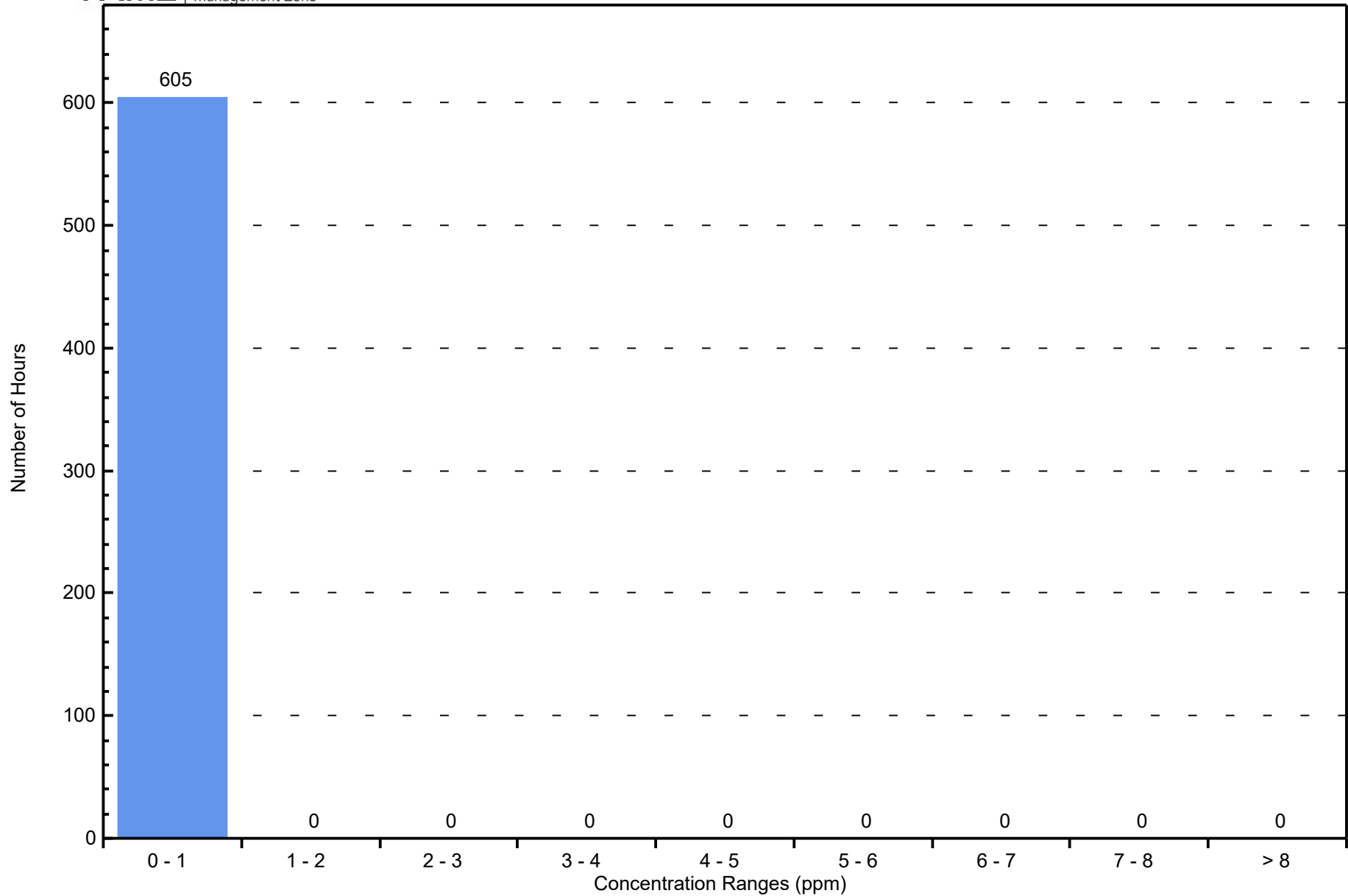
**Non Methane Hydrocarbon (NMHC) - ppm**  
**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**



# Non Methane Hydrocarbon (NMHC) - ppm

## Histogram of Hourly Averages

### Eagle HillIN - January 2025



# Hourly Averages

**Wind Speed (km/h)**  
**Wind Direction (deg)**  
**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**

Maximum Speed: 38 km/h on Jan 16 22:00	Maximum Daily Speed Average: 18 km/h on Jan 11	Hours in Service: 679
Minimum Speed Value: 1 km/h on Jan 30 11:00	Minimum Daily Speed Average: 2 km/h on Jan 5	Hours of Data: 661
Maximum Diurnal Speed Average: 7 km/h at hour 10	Minimum Diurnal Speed Average: 2 km/h at hour 16	Hours of Missing Data: 18
Monthly Average Velocity: 4.9 km/h 246.4 deg	Percentiles: P <sub>1</sub> = 1.5 P <sub>10</sub> = 4.0 Q <sub>1</sub> = 7.1 Median = 11.3 Q <sub>3</sub> = 16.5 P <sub>90</sub> = 22.4 P <sub>99</sub> = 30.5	Percent Operational Time: 97.4

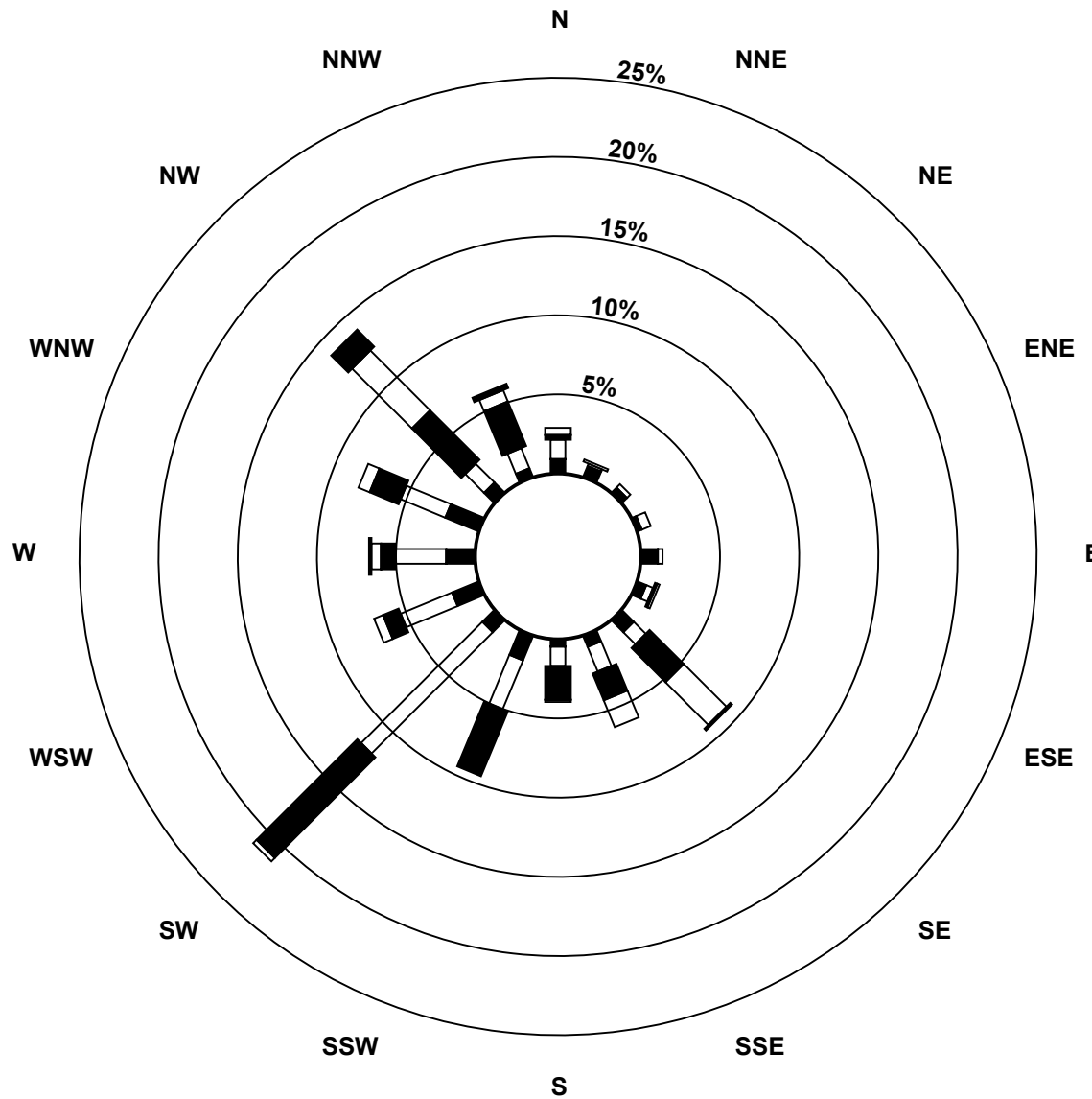
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---
3-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	28SE	28SE	27SE	29SE	27SE	26SE	23SE	---	29SE
4-Jan	24SE	22SE	22SE	25SE	27SSE	25SE	24SE	26SSE	26SSE	22SSE	20SSE	14SSE	14SE	15SE	12SE	11ESE	10SE	9SE	9SE	9SSE	6SSE	5SSW	5WSW	5WSW	15SSE	27SSE
5-Jan	4WSW	4SW	6SW	3WSW	4W	4WNW	4NW	3WNW	4W	4NW	4NNW	3NNW	2W	3W	2SSE	2SE	2E	5SSE	3SSE	N	5SE	6SSE	6SSE	10SSE	2SW	10SSE
6-Jan	9S	7SSW	3SSW	6SSW	5SSW	7SSW	10SW	12SW	10SW	9SW	9SW	7WSW	4W	4WSW	6W	7WSW	5W	5WSW	6WSW	10SW	9SW	10SW	11SW	11SW	7SW	12SW
7-Jan	13SW	13SW	15SW	16SSW	14SW	15SW	15SW	16SW	17SW	16SW	16SW	15SW	14SSW	15SSW	15SSW	17SSW	18SSW	18SSW	10SW	11SW	13SW	18SW	22WSW	21WSW	15SW	22WSW
8-Jan	23WSW	30W	27W	18WSW	14WSW	8WSW	9W	14W	13WNW	10WNW	12NW	16NW	13NNW	18NNW	18NNW	13NNW	15NNW	14NNW	12NW	9NW	5WNW	5W	7WSW	8WSW	12WNW	30W
9-Jan	7WSW	9SW	9SW	10SW	11SW	8SW	8WSW	10SSW	9SW	8SW	8SW	7SW	8SSW	10S	17SSE	19SE	21SSE	21SSE	19SSE	11SSE	8SSW	14SSW	15SSW	15SSW	10SSW	21SSE
10-Jan	17SSW	17SW	22SW	16SSW	11SW	12SW	15SW	6WNW	6WNW	6WNW	4WNW	6ENE	8N	10NW	4NW	3SSW	1W	6WSW	9WNW	11WNW	16WNW	14WNW	20NW	22NW	7W	22NW
11-Jan	21NW	24NW	23NW	22NW	21NW	23NW	23NW	21NW	15NW	19NW	20WNW	23NW	22NW	21NW	17NW	19NW	18NNW	15NW	11NW	15NW	14NW	16NW	12NW	9WNW	18NW	24NW
12-Jan	8WNW	9WNW	5WNW	5W	6W	6WNW	7NW	7WNW	10NW	14NW	15NW	16NW	15NW	16NW	11NW	9NNW	4NNW	3WNW	4WSW	8SW	10SW	9SW	10SW	9SW	7WNW	16NW
13-Jan	8WSW	8WSW	10SW	11SW	10SW	10SW	10SW	11SSW	15SSW	12SW	12SW	8SW	10SW	12NNW	22NNW	14NNW	9NW	8NNW	9NNW	6W	6W	8WSW	11SSW	12SW	7WSW	22NNW
14-Jan	12SSW	11SSW	8SW	9SW	11SW	10SSW	12SSW	17SSW	15SSW	12SW	14SSW	13SSW	16SW	18SW	17SW	19SW	16SW	16SW	13WSW	20WSW	17SW	13SW	4WSW	4WNW	13SW	20WSW
15-Jan	7SW	5SW	5SSW	4SSW	1E	2E	3SSW	2WSW	4NW	3WSW	3SE	6SSE	4E	8E	11SE	11SE	16SE	27SSE	22SSE	17SSE	18SSE	18S	16S	13SSW	8SSE	27SSE
16-Jan	28SW	19SSW	21S	17S	12S	15SW	18SW	17WSW	22W	20W	23NW	28NNW	20NNW	18NW	22WNW	20WNW	19W	21W	19WNW	31NW	33NNW	38NW	P	P	14WNW	38NW
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	9SSE	7SE	4SE	1NW	7WNW	19NNW	19NNW	29NNW	23N	29NNW
18-Jan	20N	13N	7NNE	4NNE	3W	3NNW	2N	2S	7S	8S	11SSE	14SSE	20SSE	19SE	19SE	20SE	20SE	20SE	18SSE	12SSE	6S	8SW	6WSW	4W	6SE	20SE
19-Jan	4W	5WNW	5NW	10N	10NNW	11NNW	14N	11N	10N	10NNW	13NNW	14NNW	15NNW	14NNW	14NNW	10N	8N	5N	1N	1W	3SW	5SW	4S	5S	7NNW	15NNW
20-Jan	10SSE	12SSE	10S	11SSW	12SSW	15SSW	13SSW	16S	14S	17S	10SSW	13SW	10WSW	10SW	8SW	10SW	10SSW	14SW	14SW	13SW	15SW	16SW	17SW	15SW	12SSW	17SW
21-Jan	15SW	7W	3WSW	8NNW	5WNW	5NW	11W	12W	13W	15W	16WNW	18WNW	19WNW	23NW	24NW	25NW	24NW	27NW	28NW	25NW	31NW	30NW	34NW	30NW	17WNW	34NW
22-Jan	32NW	33NW	31NW	24NW	20NW	22NW	22NW	21NW	17NW	13NW	13WNW	15NW	14NW	15NNW	12NNW	12NNW	8N	5E	7SSE	12S	13S	12S	14S	14SSW	11NW	33NW
23-Jan	12SSW	12SW	11SW	12SW	9SW	7SW	9SW	7SW	7SW	7SW	5WSW	8WSW	7WNW	20NNE	20N	26NNW	27NW	16NW	13NW	11NW	17NW	16NW	14NW	16NW	8WNW	27NW
24-Jan	16WNW	20WNW	17WNW	17WNW	20WNW	18WNW	18WNW	23NW	22NW	23NW	25NW	25NW	29NW	28NW	27NW	25NW	21NNW	15NW	14NW	11NW	10WNW	10WNW	9W	9W	18NW	29NW
25-Jan	6SW	9SW	12SW	9SW	9SW	9SW	10SW	9SW	9SW	10SW	12SW	14SW	11SW	11SW	11W	9WNW	6W	8SW	9SW	7SW	6WSW	9SW	10SW	11SW	9SW	14SW
26-Jan	11SW	11SW	12SSW	13SW	12SW	13SW	12SW	13SW	15SW	15SW	12SW	11SW	12SW	10SSW	13S	12S	15S	14SSW	7NNW	6NW	8WNW	8WNW	8WNW	7W	9SW	15SW
27-Jan	7W	8W	12SW	10WSW	10WSW	10W	10W	10W	12WSW	13SW	15SW	14SW	14SW	12SW	7SSW	10SSW	11SSW	11WSW	11WSW	12WSW	13W	9W	9W	9W	10WSW	15SW
28-Jan	10WSW	12SW	11SW	8WSW	6W	7SSW	7SW	6SSW	6S	8SSW	5SSW	6SSW	4SSE	7ENE	8ENE	4NNE	7S	3ESE	7ENE	13SE	14SE	15SSE	17SSE	20SSE	5S	20SSE
29-Jan	25SSE	15SSE	3NE	3SSW	4SSW	3SW	2WNW	3WNW	3WNW	2SW	3SE	1WSW	2ENE	3NE	8NE	3ENE	3ESE	4SE	3SSE	1ESE	4SW	2NNE	7NE	2ESE	2SE	25SSE
30-Jan	4WNW	6NNW	11N	6NW	6WNW	5WNW	5W	4SW	6SW	6SW	1SW	3SE	13SE	19SE	19ESE	23ESE	21SE	19SE	20SE	20SE	24SE	27SE	28SE	24SE	9SE	28SE
31-Jan	25SE	22SE	19SE	19SE	16SE	20SE	17SE	13SE	14SE	14SE	12SE	11ESE	10SE	8ESE	6E	5E	3E	3NE	3NNE	4N	4N	5N	4N	5NNE	9SE	25SE

7SW	7WSW	6WSW	6SW	6WSW	6WSW	7WSW	7WSW	7WSW	7WSW	6W	5W	4W	4WNW	3NW	2WNW	3WSW	4SSW	3SW	4WSW	5WSW	6WSW	5WSW	5WSW	5WSW	Diurnal Average
32NW	33NW	31NW	25SE	27SSE	25SE	24SE	26SSE	26SSE	23NW	25NW	28NNW	29NW	28NW	27NW	26NNW	27NW	28SE	28NW	31NW	33NNW	38NW	34NW	30NW	Diurnal Maximum	

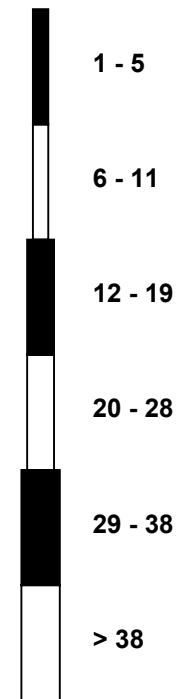
P - Power Failure      N - Not Valid      NS - Not in service  
 All monthly, daily, and diurnal averages have been calculated using vector methods

# Wind Rose

**Wind Speed (WS) (km/h)**  
**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**



## Wind Speed Classes (km/h)



# Hourly Standard Deviations

Wind Direction (WD) - deg

Eagle HillN - Jan 1, 2025 to Feb 1, 2025

Maximum Value: 89.5 deg on Jan 29 12:00																								Hours in Service:	679
Minimum Value: 2.5 deg on Jan 18 18:00																								Hours of Data:	661
Percentiles: P <sub>1</sub> = 2.9 P <sub>10</sub> = 4.0 Q <sub>1</sub> = 5.5 Median = 7.7 Q <sub>3</sub> = 13.1 P <sub>90</sub> = 30.0 P <sub>99</sub> = 78.7																								Hours of Missing Data:	18
																								Hours of Calibration:	0
																								Percent Operational Time:	97.4
Day	Hourly Period Ending At (MST)																								Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--
3-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	3	4	3	3	5	5	5.4
4-Jan	4	4	4	4	4	4	4	4	3	4	7	6	7	6	6	6	20	5	4	4	17	13	11	8	20.0
5-Jan	12	15	8	13	10	13	12	14	12	19	17	18	61	64	31	37	30	23	22	N	10	6	20	20	63.6
6-Jan	19	12	46	16	34	21	12	8	11	11	9	7	17	9	8	12	6	9	11	6	6	6	6	7	45.6
7-Jan	3	5	3	3	3	4	4	4	3	5	4	8	6	5	4	6	5	9	11	10	7	9	6	3	11.5
8-Jan	7	3	5	3	4	13	5	4	5	11	13	10	15	7	6	11	10	5	10	9	8	15	5	4	15.5
9-Jan	14	4	6	4	6	8	15	8	11	6	6	10	14	6	10	6	3	4	3	59	34	11	14	11	59.4
10-Jan	6	8	7	9	13	11	22	22	33	20	29	23	19	11	32	62	62	15	20	16	13	16	7	7	62.4
11-Jan	6	6	6	6	6	7	7	5	7	5	6	7	8	6	6	6	8	9	14	12	7	8	5	7	14.0
12-Jan	8	9	8	17	8	11	7	11	7	8	6	5	6	7	9	5	14	20	11	11	5	5	5	6	20.1
13-Jan	7	9	6	6	7	5	7	8	3	18	11	19	14	28	7	18	11	10	12	28	8	7	8	4	28.4
14-Jan	6	16	6	5	8	8	12	5	10	5	7	11	5	7	5	6	5	12	15	9	5	7	10	31	31.2
15-Jan	11	10	37	56	80	88	41	53	22	61	61	11	26	16	8	7	4	3	5	4	5	13	16	12	87.9
16-Jan	6	12	7	7	15	6	12	7	12	7	43	8	13	10	7	5	8	3	16	14	9	7	P	P	43.2
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	8	5	45	85	24	8	5	15	5	84.9
18-Jan	4	6	10	13	27	18	37	76	19	8	7	3	7	4	3	3	3	3	10	19	9	14	5	5	75.8
19-Jan	8	8	22	5	6	6	7	7	14	6	8	7	7	9	10	7	7	15	33	57	16	22	12	12	67.1
20-Jan	7	4	12	8	5	5	8	9	9	4	16	7	5	4	7	8	7	5	5	4	3	5	8	11	15.6
21-Jan	12	50	44	34	30	26	9	8	5	3	8	8	9	7	6	7	5	6	9	6	6	9	7	9	50.3
22-Jan	5	7	6	5	5	6	7	7	5	8	8	8	9	7	7	11	7	40	28	4	5	8	15	5	40.3
23-Jan	5	6	8	9	11	12	14	16	17	12	11	10	14	8	7	13	10	12	8	13	8	6	9	9	16.9
24-Jan	5	6	5	6	5	6	6	6	5	7	8	7	8	7	7	6	6	6	6	9	6	8	5	5	9.3
25-Jan	23	10	11	5	7	7	7	4	5	4	4	6	7	12	11	5	16	3	6	9	8	3	3	5	23.4
26-Jan	5	4	4	6	4	4	5	4	4	3	7	6	5	9	3	7	3	10	42	28	15	18	8	9	41.5
27-Jan	7	11	11	10	6	5	4	6	15	6	3	4	4	13	17	4	10	7	7	9	5	6	5	6	17.1
28-Jan	10	5	7	11	18	11	34	38	31	30	50	21	33	49	46	58	15	69	20	8	3	11	5	8	69.0
29-Jan	3	7	43	40	41	62	61	25	27	72	78	89	63	27	20	47	50	87	74	72	37	82	25	74	89.5
30-Jan	30	29	14	46	13	12	7	21	10	8	77	89	5	6	10	5	4	6	3	5	5	4	4	5	88.9
31-Jan	4	5	4	4	4	4	4	6	5	5	6	8	7	12	11	13	20	33	18	8	10	7	8	8	32.9
	30.3	50.3	45.6	56.5	80.1	87.9	61.1	75.8	33.3	72.3	77.8	89.5	62.9	63.6	46.1	62.4	61.9	86.9	84.9	72.0	67.1	82.3	25.4	74.0	
P - Power Failure      N - Not Valid      NS - Not in service																									

# Hourly Averages

External Temperature (ET) - °C

Eagle HillN - Jan 1, 2025 to Feb 1, 2025

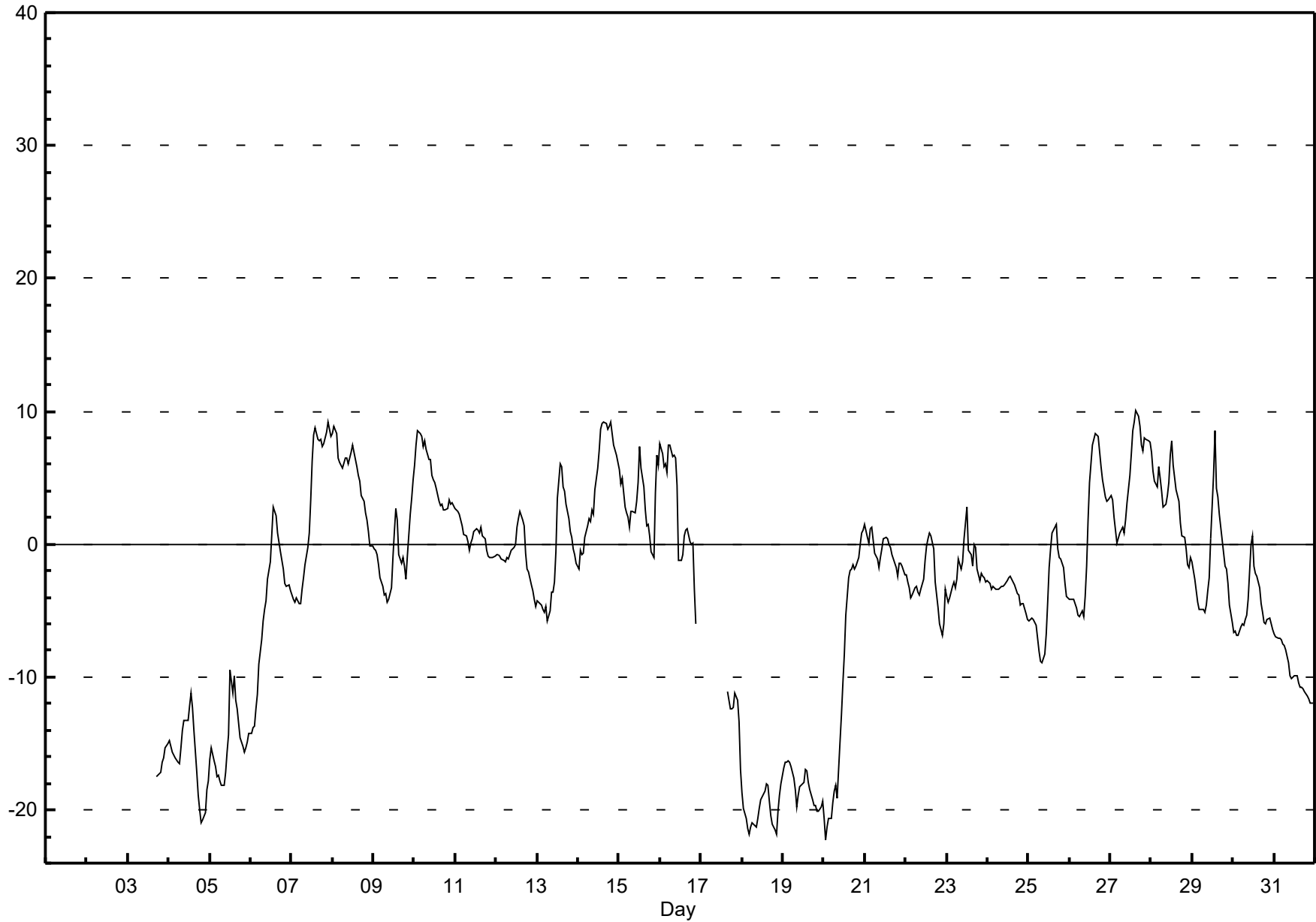
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 679
Maximum Value: 10.0 °C on Jan 27 16:00	Maximum Daily Average: 5.1 °C on Jan 8
Minimum Value: -22 °C on Jan 20 02:00	Hours of Data: 662
Maximum Diurnal Average: 0.0 °C at hour 14	Hours of Missing Data: 17
Monthly Average: -3.29 °C	Hours of Calibration: 0
Minimum Daily Average: -20.1 °C on Jan 18	Percent Operational Time: 97.5
Minimum Diurnal Average: -4.6 °C at hour 5	
Percentiles: P <sub>1</sub> = -21.3 P <sub>10</sub> = -17.1 Q <sub>1</sub> = -6.6 Median = -1.7 Q <sub>3</sub> = 2.2 P <sub>90</sub> = 6.5 P <sub>99</sub> = 9.1	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																							
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																							
3-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	-17	-17	-17	-16	-16	-15	-15	--	-15.0																							
4-Jan	-15	-15	-16	-16	-16	-16	-17	-15	-14	-13	-13	-13	-12	-11	-12	-14	-17	-19	-20	-21	-21	-20	-18	-18	-16.0	-11.2																							
5-Jan	-16	-15	-16	-17	-17	-17	-18	-18	-18	-17	-16	-14	-9	-11	-10	-12	-12	-13	-15	-15	-16	-15	-15	-14	-14.9	-9.4																							
6-Jan	-14	-14	-14	-12	-11	-9	-7	-6	-5	-4	-3	-1	1	3	2	2	1	-1	-1	-2	-3	-3	-3	-4	-4.5	2.8																							
7-Jan	-4	-4	-4	-4	-4	-4	-3	-3	-2	0	1	3	6	8	9	8	8	8	7	8	8	9	9	8	2.8	9.2																							
8-Jan	8	9	8	6	6	6	6	7	6	6	6	7	7	6	6	5	5	4	3	2	2	1	0	0	5.1	8.9																							
9-Jan	0	0	-1	-2	-3	-3	-4	-4	-4	-4	-3	-1	1	3	2	-1	-1	-1	-2	-3	-1	2	3	5	-0.9	4.9																							
10-Jan	6	8	9	8	8	7	8	7	6	6	5	5	5	4	3	3	3	3	3	3	3	3	3	3	5.1	8.5																							
11-Jan	3	2	2	2	1	1	1	0	-1	0	0	1	1	1	1	1	1	0	0	-1	-1	-1	-1	-1	0.6	2.7																							
12-Jan	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	1	2	2	2	1	-1	-2	-2	-3	-4	-4	-5	-0.9	2.5																							
13-Jan	-4	-4	-5	-5	-5	-5	-6	-5	-4	-4	-3	-1	3	6	6	4	4	3	2	1	1	0	-1	-1	-0.9	6.1																							
14-Jan	-2	0	-1	-1	0	1	2	2	3	2	4	6	7	9	9	9	9	9	9	9	8	8	7	6	4.8	9.2																							
15-Jan	6	5	5	3	2	2	1	2	2	2	3	5	7	6	4	3	1	2	1	-1	-1	4	7	6	3.2	7.4																							
16-Jan	8	7	6	6	5	7	7	7	7	6	4	-1	-1	-1	1	1	1	0	0	0	-3	-6	P	P	2.8	7.6																							
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-11	-12	-12	-12	-12	-11	-12	-13	-17	--	-11.1																							
18-Jan	-19	-20	-21	-21	-22	-21	-21	-21	-21	-21	-20	-19	-19	-19	-18	-18	-19	-20	-21	-22	-22	-20	-19	-18	-20.1	-18.0																							
19-Jan	-17	-16	-16	-16	-16	-17	-18	-18	-20	-19	-18	-18	-18	-17	-17	-18	-18	-19	-20	-20	-20	-20	-20	-19	-18.2	-16.3																							
20-Jan	-21	-22	-21	-21	-21	-19	-19	-18	-19	-15	-13	-10	-8	-5	-2	-2	-2	-2	-2	-2	-1	0	1	1	-10.1	1.0																							
21-Jan	1	0	0	1	1	0	-1	-1	-2	-1	0	0	1	0	0	0	-1	-1	-2	-2	-1	-1	-2	-2	-0.5	1.5																							
22-Jan	-2	-3	-3	-4	-4	-3	-3	-4	-4	-3	-3	-1	0	0	1	1	0	-3	-4	-5	-6	-7	-6	-3	-2.9	0.9																							
23-Jan	-4	-4	-4	-3	-3	-3	-3	-1	-2	-1	0	2	3	0	-1	-2	0	0	-2	-3	-2	-2	-2	-3	-1.7	2.8																							
24-Jan	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-3	-3	-3	-4	-4	-5	-5	-4	-5	-6	-3.5	-2.4																							
25-Jan	-6	-6	-6	-6	-6	-7	-8	-9	-9	-8	-7	-4	-2	0	1	1	2	0	-1	-1	-2	-3	-4	-4	-4.0	1.5																							
26-Jan	-4	-4	-4	-4	-5	-5	-5	-5	-5	-4	-2	2	5	7	8	8	8	8	6	5	4	4	3	3	0.9	8.3																							
27-Jan	4	3	2	1	0	1	1	1	1	2	3	5	7	9	9	10	10	9	7	7	8	8	8	8	5.1	10.0																							
28-Jan	7	6	5	4	6	5	4	3	3	4	5	7	8	6	4	4	3	2	1	0	-2	-2	-1	-1	3.3	7.7																							
29-Jan	-1	-3	-3	-4	-5	-5	-5	-5	-5	-4	-2	0	5	9	4	4	2	0	-1	-2	-2	-3	-5	-6	-1.5	8.5																							
30-Jan	-7	-7	-7	-7	-6	-6	-6	-6	-5	-4	0	1	-2	-2	-2	-3	-4	-5	-6	-6	-6	-6	-6	-6	-4.8	0.7																							
31-Jan	-7	-7	-7	-7	-7	-7	-8	-8	-9	-10	-10	-10	-10	-10	-10	-11	-11	-11	-11	-11	-12	-12	-12	-12	-9.6	-6.7																							
																								-3.8	-4.1	-4.3	-4.5	-4.6	-4.6	-4.6	-4.5	-4.6	-4.0	-3.1	-2.0	-0.6	0.0	-0.1	-1.0	-1.5	-2.9	-3.6	-4.0	-4.1	-4.1	-4.0	-4.1	Diurnal Average	
																								8.3	8.9	8.5	8.3	8.1	7.5	7.8	7.1	6.7	6.5	6.4	6.9	7.7	8.7	9.2	10.0	9.7	8.9	8.9	9.2	8.4	9.2	8.7	8.1	Diurnal Maximum	

P - Power Failure      NS - Not in service

# Hourly Averages

External Temperature (ET) - °C  
Eagle HillN - Jan 1, 2025 to Feb 1, 2025



# Hourly Averages

Relative Humidity (RH) - %

Eagle HillN - Jan 1, 2025 to Feb 1, 2025

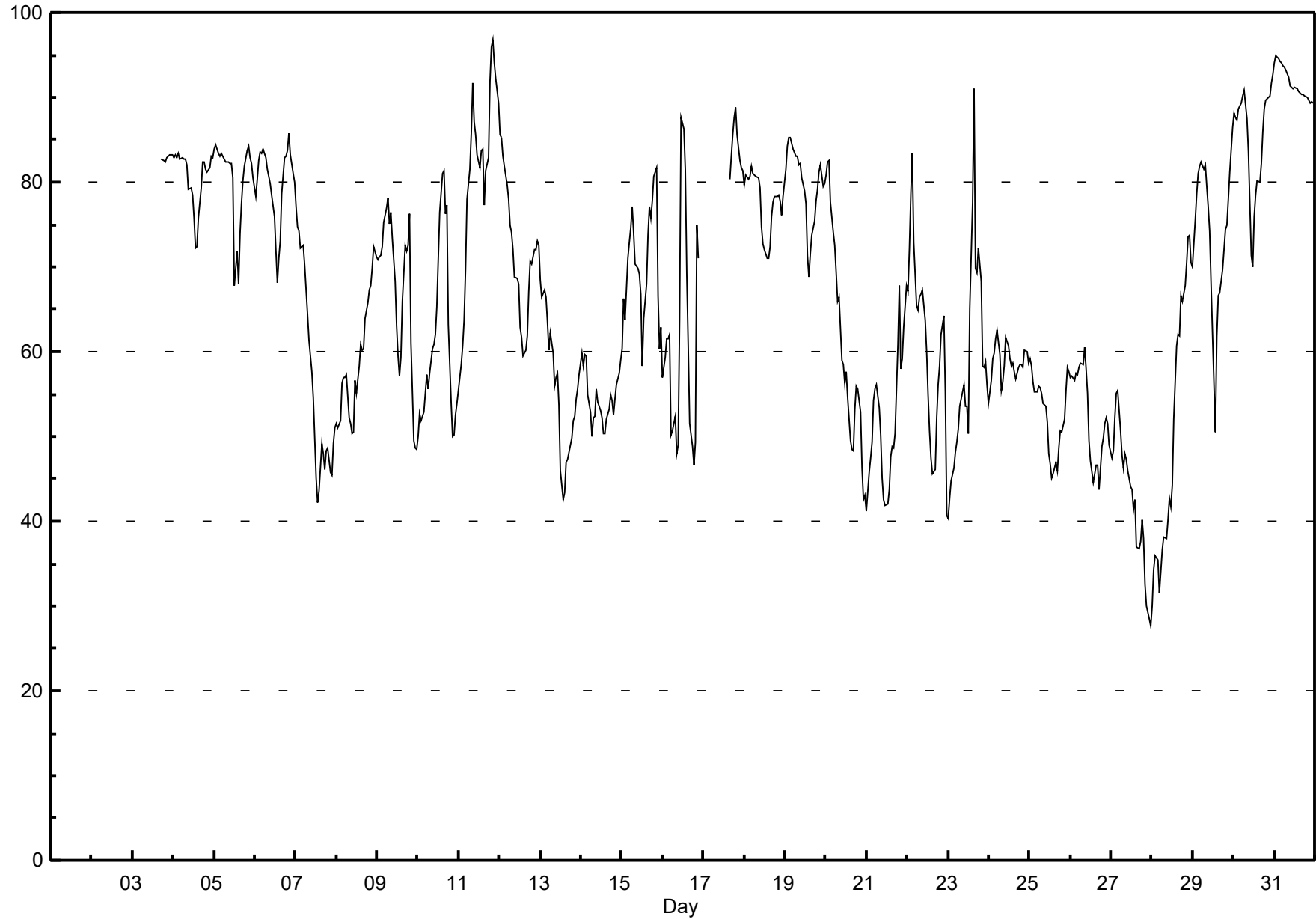
Number of Exceedences (AAQO):	1-hr: 0	24-hr: 0	Hours in Service:	679
Maximum Value: 96.9 % on Jan 11 21:00	Maximum Daily Average: 91.7 % on Jan 31		Hours of Data:	662
Minimum Value: 28 % on Jan 28 00:00	Minimum Daily Average: 42.7 % on Jan 27		Hours of Missing Data:	17
Maximum Diurnal Average: 68.8 % at hour 4	Minimum Diurnal Average: 61.0 % at hour 14		Hours of Calibration:	0
Monthly Average: 66.19 %	Percentiles: P <sub>1</sub> = 34.2 P <sub>10</sub> = 47.2 Q <sub>1</sub> = 54.0 Median = 66.5 Q <sub>3</sub> = 80.3 P <sub>90</sub> = 84.3 P <sub>99</sub> = 94.0		Percent Operational Time:	97.5

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
2-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
3-Jan	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	83	82	82	83	83	83	83	--	83.3
4-Jan	83	83	83	83	83	83	83	83	82	79	79	78	76	72	72	76	79	82	82	82	81	82	83	83	80.6	83.3
5-Jan	84	84	83	83	83	83	83	82	82	82	82	81	68	72	68	74	78	80	82	84	84	83	82	81	80.4	84.4
6-Jan	78	80	83	84	83	84	83	81	81	80	78	76	72	68	71	73	79	83	83	84	86	83	81	80	79.7	85.8
7-Jan	77	75	74	72	73	70	67	64	61	58	55	50	45	42	44	49	48	46	48	49	46	45	49	51	56.6	77.1
8-Jan	51	51	52	56	57	57	57	52	52	50	50	57	55	58	61	60	60	64	66	67	68	70	72	71	59.0	72.3
9-Jan	71	71	71	72	75	77	78	75	76	73	68	63	60	57	59	66	73	72	73	76	61	50	49	48	67.3	78.1
10-Jan	50	53	52	53	55	57	56	57	60	61	62	65	71	76	81	81	76	77	63	54	50	50	53	54	61.2	81.4
11-Jan	55	58	61	64	70	78	82	86	92	87	86	83	82	84	84	77	81	83	92	96	97	94	92	89	81.3	96.9
12-Jan	86	85	83	82	80	78	75	74	72	69	69	68	63	62	59	60	62	67	71	70	72	72	73	73	71.8	85.6
13-Jan	68	66	67	66	63	60	62	60	56	57	58	54	46	42	43	47	47	48	50	52	52	54	56	57	55.6	68.4
14-Jan	60	58	60	60	55	53	50	52	52	56	54	53	52	50	50	52	53	55	54	53	54	56	58	59	54.6	59.9
15-Jan	60	66	64	71	73	75	77	74	70	70	69	67	58	64	68	74	77	76	78	81	82	67	60	63	70.1	81.7
16-Jan	57	59	62	61	62	50	51	52	48	49	64	88	86	81	69	61	51	49	47	49	75	71	P	P	61.0	87.6
17-Jan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	80	83	86	88	89	86	83	82	81	--	88.8
18-Jan	80	81	80	81	82	81	81	81	81	79	75	73	72	71	71	72	76	78	78	78	78	78	76	78	77.5	81.9
19-Jan	82	84	85	85	85	84	83	83	82	82	81	79	77	71	69	72	74	75	78	79	81	82	79	80	79.7	85.2
20-Jan	81	82	83	78	74	73	69	66	67	59	59	56	58	55	49	48	48	53	56	56	53	46	43	43	60.6	82.5
21-Jan	41	46	48	49	54	56	56	53	50	45	43	42	42	44	48	49	49	50	61	68	58	59	63	68	51.7	67.9
22-Jan	67	72	79	83	73	65	65	66	67	67	64	60	55	51	48	46	46	52	56	58	62	64	55	41	60.9	83.3
23-Jan	40	43	45	46	48	49	51	54	55	56	54	54	50	65	78	91	70	69	72	68	58	58	59	56	57.9	91.0
24-Jan	54	57	59	60	62	63	60	55	56	58	62	61	59	58	59	58	57	58	58	59	58	60	60	59	58.7	62.6
25-Jan	59	58	56	55	55	56	56	55	54	54	52	48	47	45	46	47	46	49	51	51	52	55	58	58	52.6	59.1
26-Jan	57	57	57	57	57	58	59	58	61	58	55	49	47	45	46	47	47	44	49	50	51	52	52	49	52.5	60.5
27-Jan	48	48	52	55	55	51	48	46	48	47	46	44	44	41	43	37	37	38	40	38	33	30	28	28	42.7	55.5
28-Jan	30	34	36	35	32	34	37	38	38	40	43	42	44	52	61	62	62	67	66	68	70	74	74	70	50.3	73.7
29-Jan	70	76	79	81	82	82	82	82	79	77	74	68	56	51	62	67	67	70	72	74	75	78	81	86	73.8	86.4
30-Jan	88	88	87	89	89	90	91	89	88	84	71	70	76	79	80	80	82	86	89	90	90	90	92	93	85.4	92.6
31-Jan	94	95	95	94	94	94	94	93	92	91	91	91	91	91	91	90	90	90	90	90	90	89	89	89	91.7	94.9
65.6	67.1	67.9	68.8	68.7	68.2	67.9	67.2	66.8	65.5	64.5	63.6	61.2	61.0	62.2	64.1	64.2	66.5	68.1	68.7	68.5	67.6	67.2	66.8	Diurnal Average		
94.0	94.9	94.6	94.2	94.0	93.8	93.6	93.3	92.5	91.4	91.1	91.0	91.2	91.0	90.7	91.0	90.4	90.3	91.9	96.0	96.9	94.1	92.3	92.6	Diurnal Maximum		

P - Power Failure      NS - Not in service

# Hourly Averages

**Relative Humidity (RH) - %**  
**Eagle HillN - Jan 1, 2025 to Feb 1, 2025**





End of Monthly Report



**PAMZ** | Parkland Airshed  
Management Zone

# Parkland Airshed Management Zone

**Eagle Hill Site**

**February 2025**

**Continuous Ambient Air Quality Monitoring Program  
Monthly Report**

**Operations and Maintenance:**



**AIR QUALITY MONITORING**

**Data Validation and Report:**

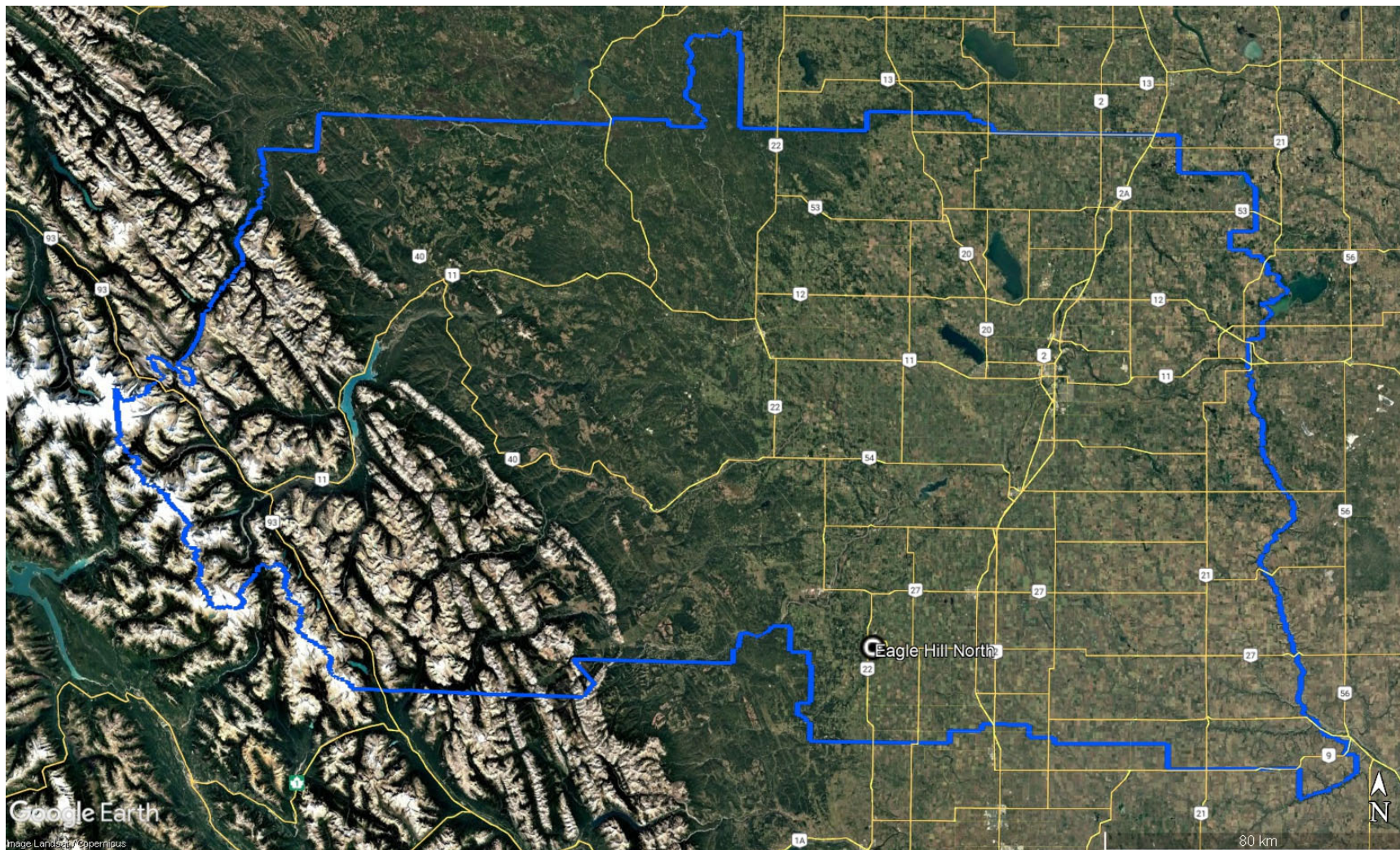


**Parkland AirShed Management Zone**  
Speciation Monitoring Program  
Eagle Hill North Site

2025 Ambient Air Monitoring Report

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**Eagle Hill Air Monitoring Station February 2025**

# Eagle Hill - Continuous Air Quality Monitoring Data Summary

Ambient Air Quality Data Summary for the Month of February 2025															
Parkland Airshed Management Zone						Maximum Recorded Values									
Pollutant (units)	Objectives			Station	Monthly Average	1-hr				24-hr		Exceedence			Operational Time (%)
	1-hr	24-hr	30-day			Conc	Day	WSPD (km/hr)	WDIR (Sector)	Conc	Day	1-hr	24-hr	30-day	
SO <sub>2</sub> (ppb)	172	48	11	Eagle Hill	0.2	2.4	Feb-13 16:00	18	ESE	0.7	Feb-14	0	0	0	95.2%
TRS (ppb)	10	3	-	Eagle Hill	0.5	0.8	Feb-19 14:00	16	SE	0.7	Feb-24	0	0	-	96.0%
NO <sub>2</sub> (ppb)	159	-	-	Eagle Hill	4.7	16.9	Feb-20 05:00	12	WSW	8.8	Feb-18	-	-	-	95.4%
NO (ppb)	-	-	-	Eagle Hill	0.9	13.0	Feb-18 12:00	19	SE	3.5	Feb-18	-	-	-	95.4%
NO <sub>x</sub> (ppb)	-	-	-	Eagle Hill	5.5	26.7	Feb-18 14:00	23	SE	12.4	Feb-18	-	-	-	95.4%
O <sub>3</sub> (ppb)	76	-	-	Eagle Hill	33.7	55.0	Feb-22 14:00	17	WSW	42.6	Feb-27	0	-	-	89.3%
THC (ppm)	-	-	-	Eagle Hill	2.1	3.2	Feb-04 04:00	3	NNW	2.3	Feb-04	-	-	-	85.7%
CH <sub>4</sub> (ppm)	-	-	-	Eagle Hill	2.1	2.5	Feb-14 08:00	8	NE	2.2	Feb-17	-	-	-	85.7%
NMHC (ppm)	-	-	-	Eagle Hill	0.0	0.9	Feb-04 04:00	3	NNW	0.2	Feb-04	-	-	-	85.7%
PM <sub>2.5</sub> (ug/m <sup>3</sup> )	80	29	-	Eagle Hill	6.5	47.7	Feb-16 16:00	21	ESE	16.0	Feb-16	0	0	-	94.6%
Temp (°C)	-	-	-	Eagle Hill	-13.0	12.7	Feb-26 13:00			8.2	Feb-27				96.4%
RH (%)	-	-	-	Eagle Hill	67.9	88.9	Feb-01 01:00			83.0	Feb-13				96.4%
WSPD v (km/hr)	-	-	-	Eagle Hill	3.8	43.0	Feb-27 10:00			22.0	Feb-17				96.3%
WDIR	-	-	-	Eagle Hill	SW										96.3%

# Eagle Hill - Continuous Air Quality Monitoring Station & Equipment Summary

Eagle Hill			
General Station and Equipment Issues:			
Installation Calibrations on February 2 <sup>nd</sup> (SO <sub>2</sub> , NO/NO <sub>2</sub> /NO <sub>x</sub> & O <sub>3</sub> ), February 3 <sup>rd</sup> (PM <sub>2.5</sub> & TRS) and February 4 <sup>th</sup> (THC/CH <sub>4</sub> /NMHC). Routine calibrations on February 10 <sup>th</sup> (NO/NO <sub>2</sub> /NO <sub>x</sub> , O <sub>3</sub> & PM <sub>2.5</sub> ). Twenty-two (22) hours flagged as power failure on February 2 <sup>nd</sup> and 3 <sup>rd</sup> for all parameters			
Parameter	Make	Model	Notes
SO <sub>2</sub>	API	100A	Two (2) hours flagged as maintenance for QA check on February 1 <sup>st</sup> . Two (2) hours flagged as maintenance for QA check on February 2 <sup>nd</sup> . Twenty-two (22) hours flagged as power failure on February 2 <sup>nd</sup> and 3 <sup>rd</sup> . Three (3) hours flagged as maintenance for QA check on February 13 <sup>th</sup> . One (1) hour flagged as maintenance for QA check on February 19 <sup>th</sup> . Two (2) hours flagged as maintenance for QA check on February 23 <sup>rd</sup> .
TRS	API	T100	Twenty-four (24) hours flagged as power failure on February 2 <sup>nd</sup> and 3 <sup>rd</sup> . Two (2) hours flagged as maintenance for QA check on February 13 <sup>th</sup> . One (1) hour flagged as maintenance for QA check on February 19 <sup>th</sup> .
NO <sub>2</sub> /NO/NO <sub>x</sub>	API	T200	One (1) hours flagged as maintenance for QA check on February 1 <sup>st</sup> . Two (2) hours flagged as maintenance for QA check on February 2 <sup>nd</sup> . Twenty-three (23) hours flagged as power failure on February 2 <sup>nd</sup> and 3 <sup>rd</sup> . 16 <sup>th</sup> and 17 <sup>th</sup> . One (1) hour flagged as maintenance for QA check on February 19 <sup>th</sup> . Two (2) hours flagged as maintenance for QA check on February 22 <sup>nd</sup> . Two (2) hours flagged as maintenance for QA check on February 23 <sup>rd</sup> .
O <sub>3</sub>	API	T400	One (1) hour flagged invalid due top baseline drift on February 1 <sup>st</sup> . Twenty-four (24) hours flagged as power failure on February 2 <sup>nd</sup> and 3 <sup>rd</sup> . Twenty-seven (27) hours flagged as invalid due to analyzer failure from February 3 <sup>rd</sup> and 4 <sup>th</sup> . Sixteen (16) hours flagged as maintenance between February 4 <sup>th</sup> and 5 <sup>th</sup> for maintenance. One (1) hour flagged as maintenance for QA check on February 13 <sup>th</sup> . One (1) hour flagged as maintenance for QA check on February 14 <sup>th</sup> . Two (2) hours flagged as maintenance for QA check on February 19 <sup>th</sup> . This resulted in a less than 90% uptime for the month of <b>February 2025 AEPA REF 438784</b>
PM <sub>2.5</sub>	Met One	Sharp 5030i	Two (2) hours flagged invalid due to baseline drift on February 2 <sup>nd</sup> . Twenty-two (22) hours flagged as power failure on February 2 <sup>nd</sup> and 3 <sup>rd</sup> .

			One (1) hour flagged invalid due to baseline drift on February 3 <sup>rd</sup> . One (1) hour flagged invalid due to baseline drift on February 6 <sup>th</sup> . Five (5) hours flagged invalid due to baseline drift on February 17 <sup>th</sup> . Two (2) hours flagged invalid due to baseline drift on February 27 <sup>th</sup> .
<b>THC/CH<sub>4</sub>/NMHC</b>	TEI	55i	Seventeen (17) hours flagged as invalid due to support gas failure on February 1 <sup>st</sup> and 2 <sup>nd</sup> . Twenty-three (23) hours flagged as power failure on February 2 <sup>nd</sup> and 3 <sup>rd</sup> . Twenty-four (24) hours flagged as invalid due to support gas failure on February 12 <sup>th</sup> and 13 <sup>th</sup> . Two (2) hours flagged as maintenance for QA check on February 13 <sup>th</sup> . Twenty-six (26) hours flagged as invalid due to support gas failure on February 18 <sup>th</sup> and 19 <sup>th</sup> . One (1) hours flagged as invalid on February 26 <sup>th</sup> due to baseline drift. This resulted in a less than 90% uptime for the month of <b>February 2025</b> <b>AEPA REF 438785</b>
<b>RH</b>	Met One	093	Twenty-four (24) hours flagged as power failure on February 2 <sup>nd</sup> and 3 <sup>rd</sup> .
<b>ET</b>	Met One	093	Twenty-four (24) hours flagged as power failure on February 2 <sup>nd</sup> and 3 <sup>rd</sup> .
<b>WS/WD</b>	Met One	010C/020C	Twenty-four (24) hours flagged as power failure on February 2 <sup>nd</sup> and 3 <sup>rd</sup> . One (1) hour flagged invalid due to wind speed calm on February 4 <sup>th</sup> .

# Hourly Averages

**Sulphur Dioxide (SO<sub>2</sub>) - ppb**

**Eagle HillN - Feb 1, 2025 to Mar 1, 2025**

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 672
Maximum Value: 2.4 ppb on Feb 13 16:00	Maximum Daily Average: 0.7 ppb on Feb 14
Minimum Value: 0 ppb on Feb 1 02:00	Hours of Data: 609
Maximum Diurnal Average: 0.3 ppb at hour 12	Hours of Missing Data: 63
Monthly Average: 0.20 ppb	Hours of Calibration: 31
Minimum Daily Average: 0.0 ppb on Feb 12	Percent Operational Time: 95.2
Minimum Diurnal Average: 0.1 ppb at hour 23	
Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.1 Q <sub>3</sub> = 0.3 P <sub>90</sub> = 0.5 P <sub>99</sub> = 1.1	

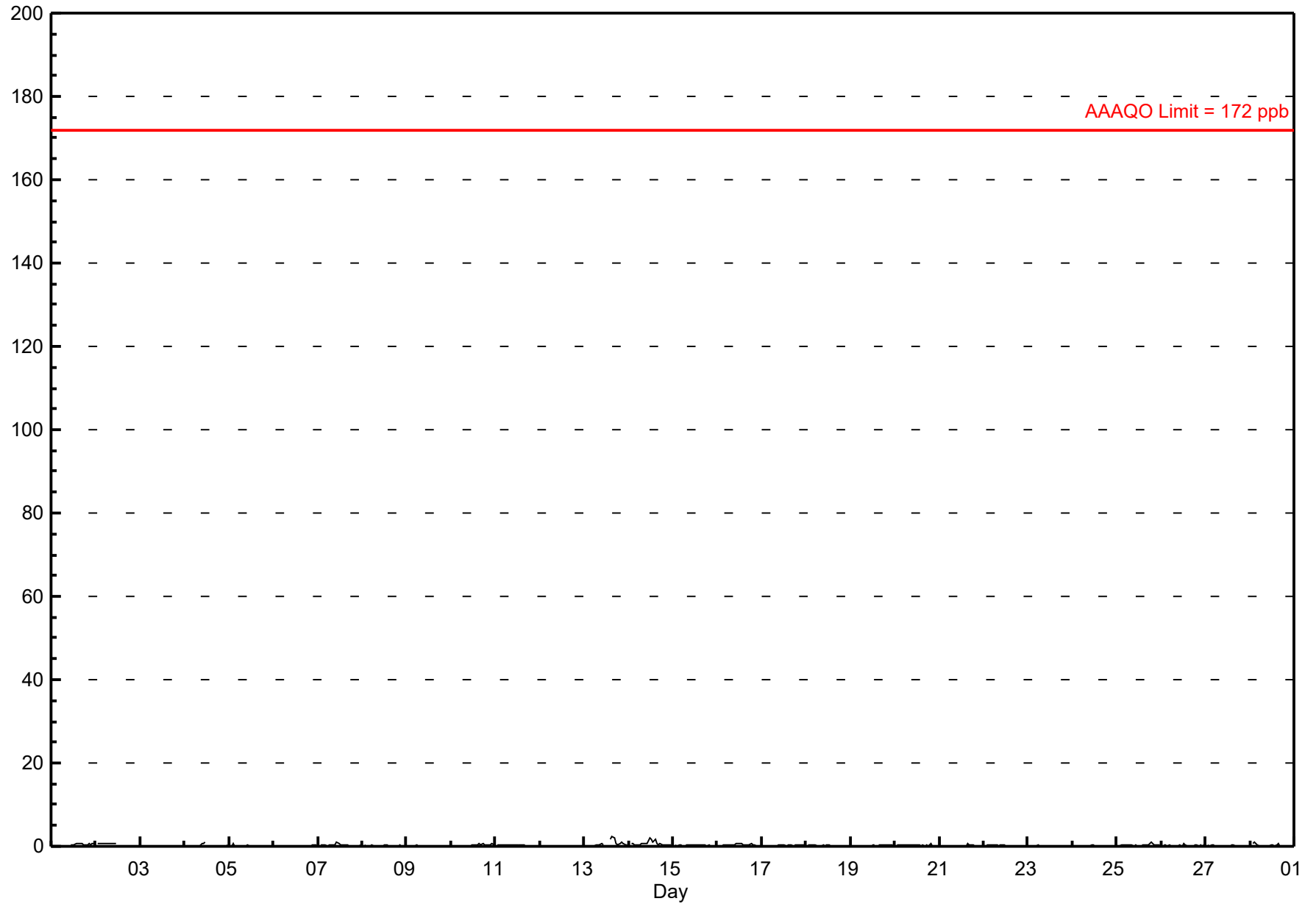
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Feb	A	0	0	0	0	0	0	0	0	M	0	0	0	1	1	1	1	0	1	0	1	0	1	1	0.3	0.6																						
2-Feb	A	1	1	1	1	1	1	1	1	1	1	M	M	P	P	P	P	P	P	P	P	P	P	P	--	0.8																						
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	0	0	0	0	0	0	0	0	0	0	0	--	0.0																						
4-Feb	A	0	0	0	0	0	0	0	0	1	1	1	C	C	C	C	0	0	0	0	0	0	0	0	0.2	1.0																						
5-Feb	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5																						
6-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3																						
7-Feb	A	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.0																						
8-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2																						
9-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2																						
10-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0.2	0.7																						
11-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5																						
12-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0																						
13-Feb	A	0	0	0	0	0	0	0	0	1	0	M	M	M	2	2	2	1	0	1	1	1	0	0	0.6	2.4																						
14-Feb	A	1	1	0	0	0	0	1	1	1	1	2	2	1	2	1	0	1	0	0	0	0	0	0	0.7	1.9																						
15-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4																						
16-Feb	A	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0.3	0.7																						
17-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4																						
18-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4																						
19-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	M	0	0	0	0	0	0	0	0	0	0.2	0.5																						
20-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.2	0.6																						
21-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.1	0.6																						
22-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4																						
23-Feb	A	0	0	0	0	0	0	0	0	0	M	M	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2																						
24-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3																						
25-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0.3	1.1																						
26-Feb	A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6																						
27-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3																						
28-Feb	A	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.2	1.1																						
																								--	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	Diurnal Average
																								--	0.8	1.1	0.6	0.6	0.7	0.8	0.6	0.6	0.8	1.0	1.9	1.6	1.1	1.7	2.4	1.9	0.7	1.1	0.7	1.0	0.7	0.6	0.5	Diurnal Maximum

C - Calibration      P - Power Failure      M - Maintenance      A - Automated Daily Zero Span

Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 172 ppb    24-hr 48 ppb    30-day 11 ppb

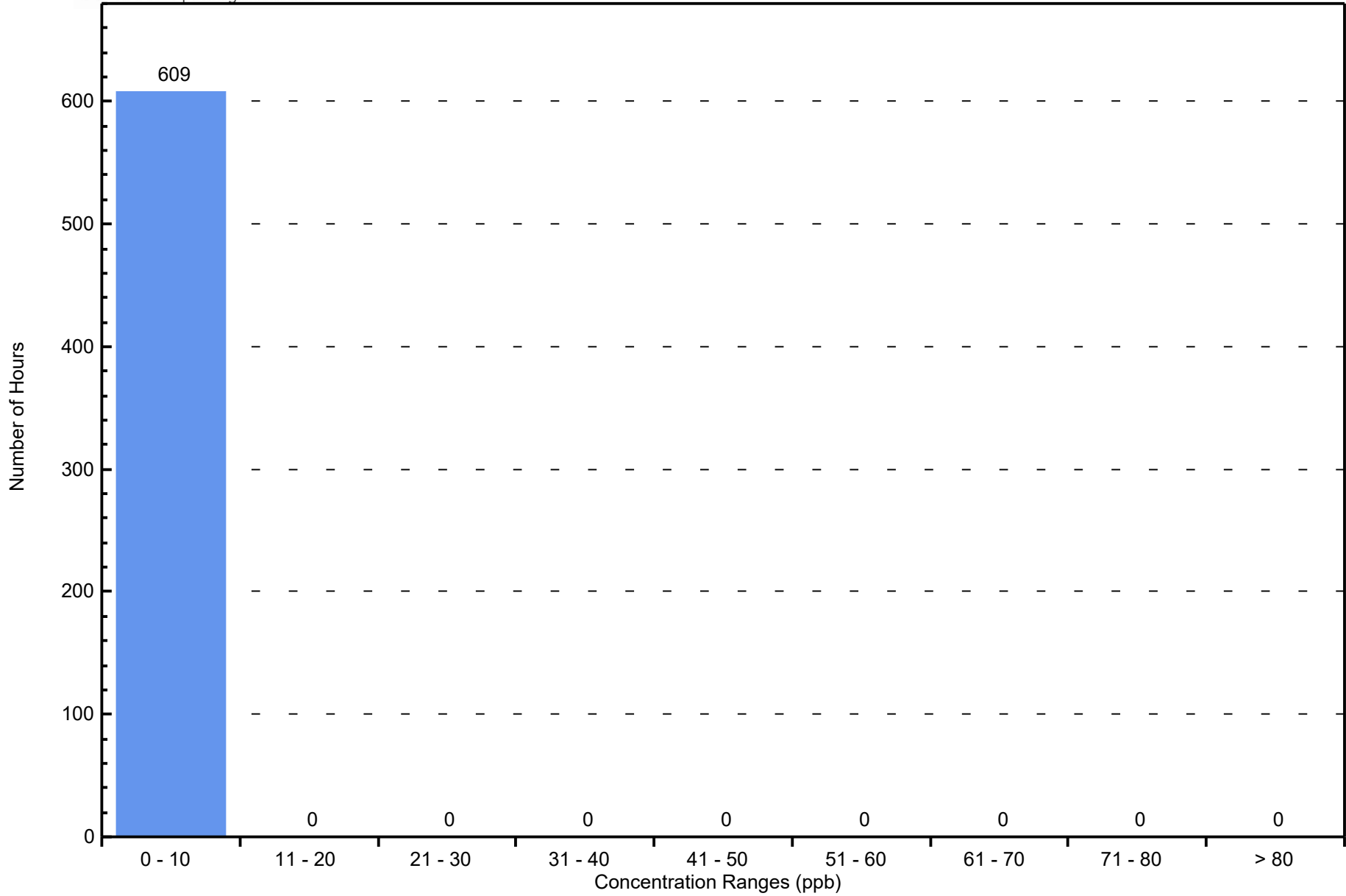
# Hourly Averages

Sulphur Dioxide (SO<sub>2</sub>) - ppb  
Eagle HillN - Feb 1, 2025 to Mar 1, 2025



# Histogram of Hourly Averages

Sulphur Dioxide (SO<sub>2</sub>) - ppb  
Eagle HillN - February 2025



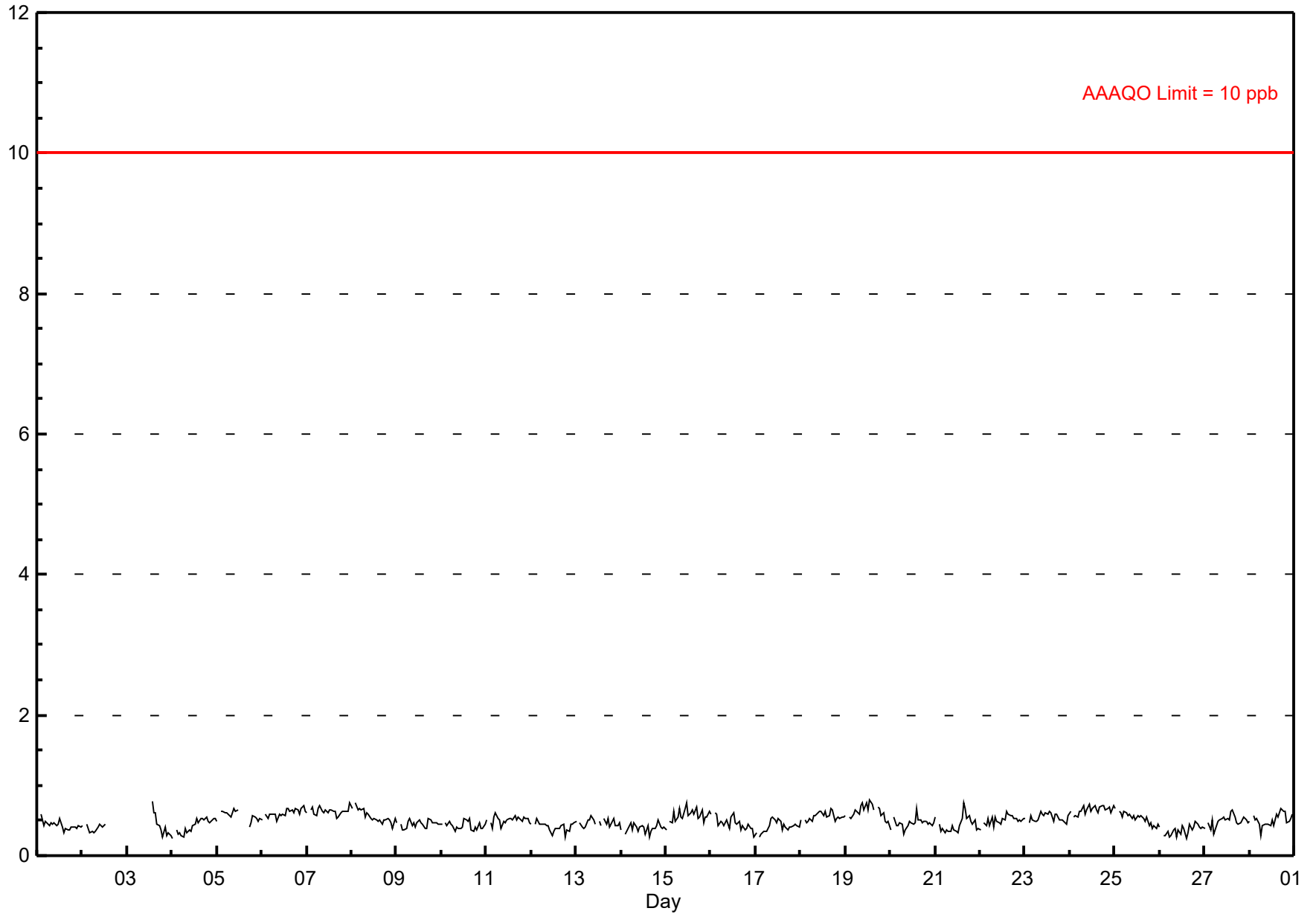
# Hourly Averages

## Total Reduced Sulphur (TRS) - ppb Eagle HillN - Feb 1, 2025 to Mar 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 0.8 ppb on Feb 19 14:00      Maximum Daily Average: 0.7 ppb on Feb 24													Hours in Service: 672 Hours of Data: 613 Hours of Missing Data: 59 Hours of Calibration: 32 Percent Operational Time: 96.0																																				
Minimum Value: 0 ppb on Feb 4 01:00      Minimum Daily Average: 0.4 ppb on Feb 26 Maximum Diurnal Average: 0.5 ppb at hour 15      Minimum Diurnal Average: 0.5 ppb at hour 4 Monthly Average: 0.50 ppb      Percentiles: P <sub>1</sub> = 0.3 P <sub>10</sub> = 0.4 Q <sub>1</sub> = 0.4 Median = 0.5 Q <sub>3</sub> = 0.6 P <sub>90</sub> = 0.6 P <sub>99</sub> = 0.7																																																	
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Feb	0	A	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6																							
2-Feb	0	A	0	0	0	0	0	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	0.4	0.6																								
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	1	1	1	0	0	0	0	0	0	0	0.4	0.6																								
4-Feb	0	A	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	1	0.4	0.6																								
5-Feb	0	A	1	1	1	1	1	1	1	1	1	1	C	C	C	C	C	0	0	1	1	1	0	0.6	0.7																								
6-Feb	1	A	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.7																								
7-Feb	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8																								
8-Feb	1	A	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	1	0.6	0.8																								
9-Feb	0	A	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0.4	0.5																								
10-Feb	0	A	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0.4	0.5																								
11-Feb	1	A	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	0.5	0.6																								
12-Feb	0	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5																								
13-Feb	0	A	0	0	0	0	1	1	1	1	0	M	0	0	M	1	0	1	0	0	1	0	0	0.5	0.6																								
14-Feb	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.4	0.5																								
15-Feb	0	A	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0.6	0.8																								
16-Feb	1	A	1	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.5	0.6																								
17-Feb	0	A	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0.4	0.6																								
18-Feb	1	A	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0.6	0.7																								
19-Feb	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	M	1	1	1	1	0	0	0.6	0.8																								
20-Feb	0	A	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0.5	0.7																								
21-Feb	1	A	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0.4	0.8																								
22-Feb	0	A	0	0	1	0	1	0	1	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0.5	0.6																								
23-Feb	1	A	0	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0.5	0.6																								
24-Feb	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.7																								
25-Feb	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0.5	0.7																								
26-Feb	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5																								
27-Feb	0	A	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0.5	0.7																								
28-Feb	0	A	1	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	1	0.5	0.7																								
																								0.5	--	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	Diurnal Average	
																								0.7	--	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	Diurnal Maximum
C - Calibration      P - Power Failure      M - Maintenance      A - Automated Daily Zero Span																																																	
Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 10 ppb      24-hr 3 ppb																																																	

# Hourly Averages

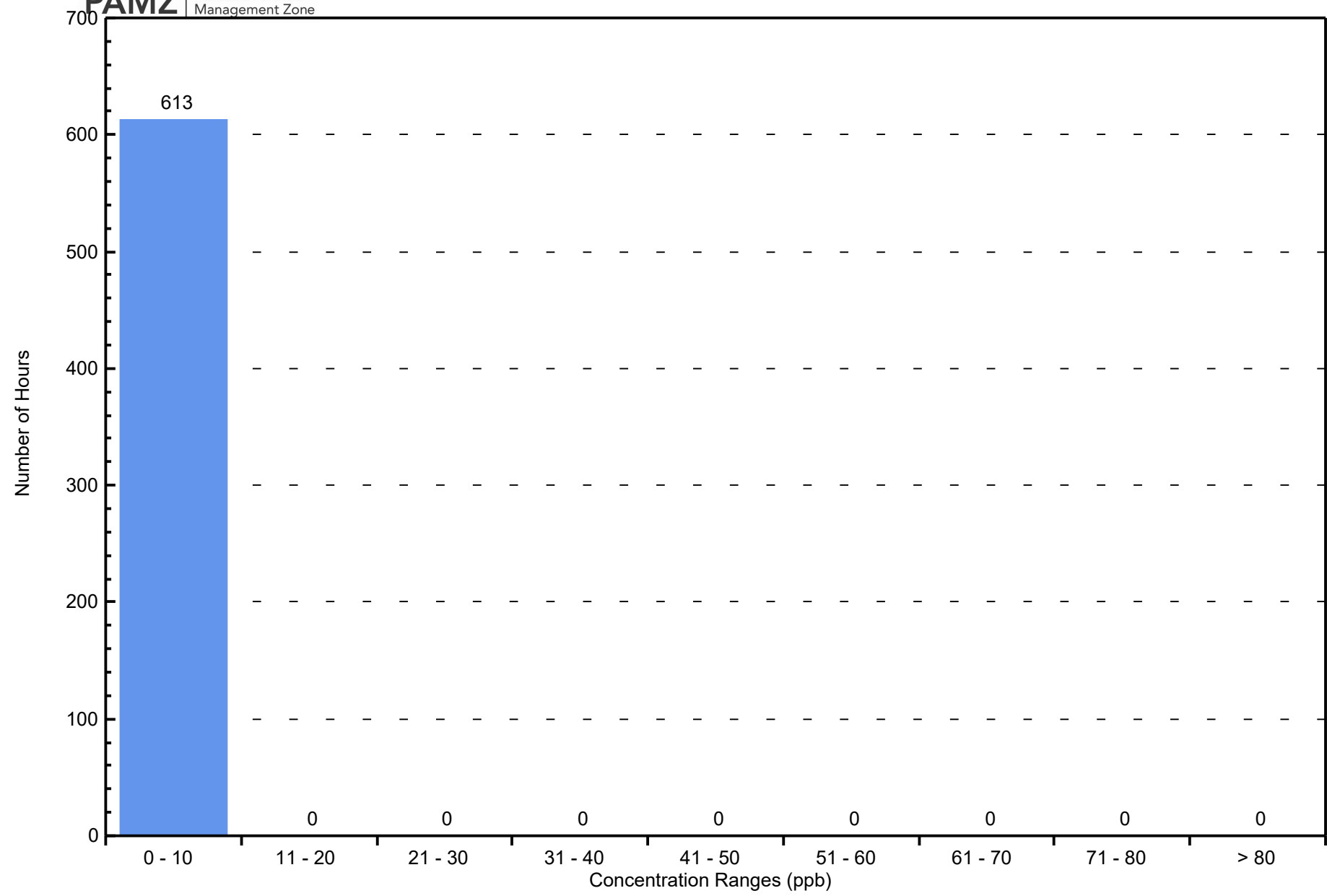
**Total Reduced Sulphur (TRS) - ppb**  
**Eagle HillN - Feb 1, 2025 to Mar 1, 2025**





# Histogram of Hourly Averages

Total Reduced Sulphur (TRS) - ppb  
Eagle HillN - February 2025



# Hourly Averages

## Nitrogen Dioxide (NO<sub>2</sub>) - ppb

### Eagle HillN - Feb 1, 2025 to Mar 1, 2025

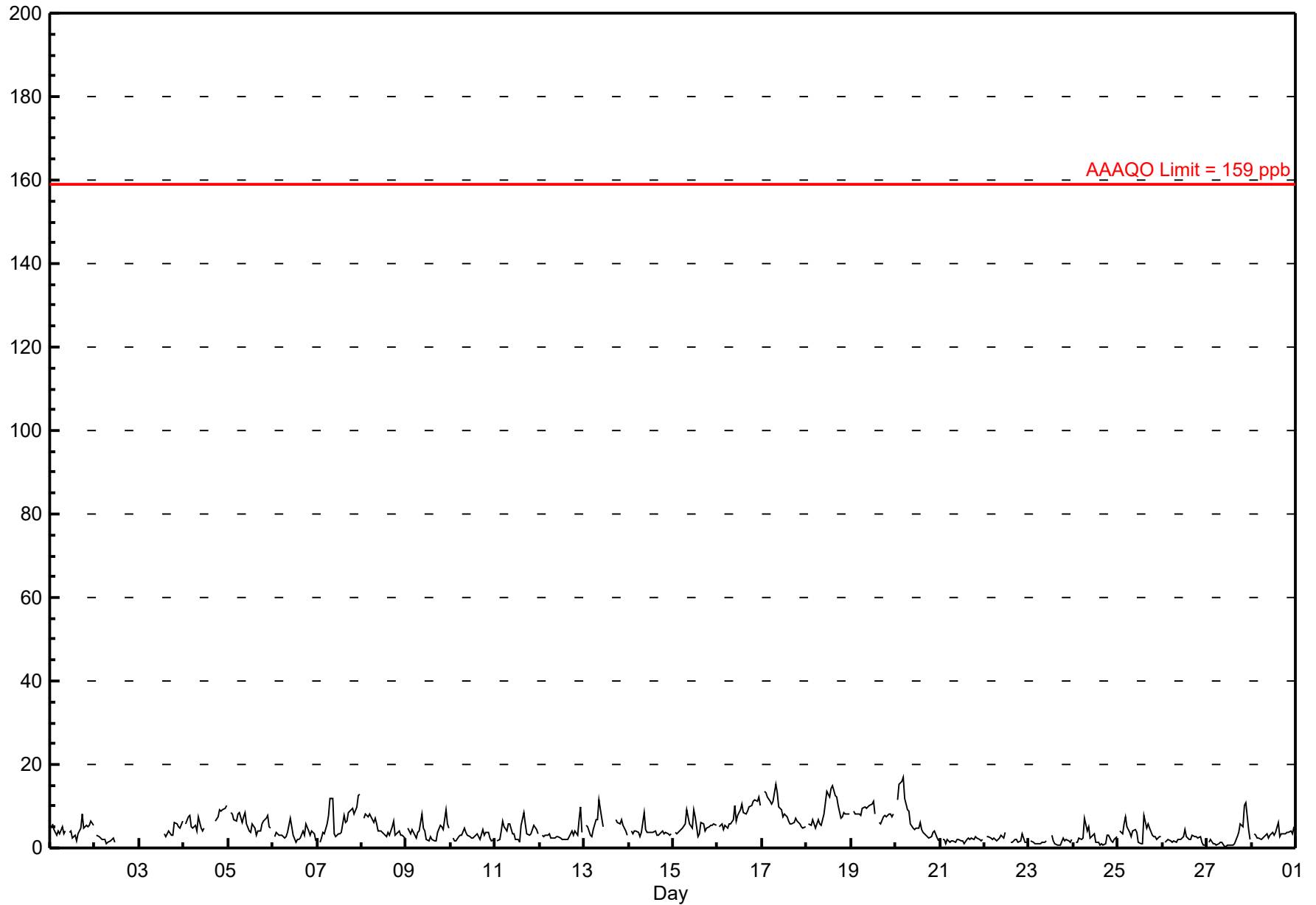
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0		Hours in Service: 672	
Maximum Value: 16.8 ppb on Feb 20 05:00		Maximum Daily Average: 8.8 ppb on Feb 18	
Minimum Value: 1 ppb on Feb 27 10:00		Hours of Data: 603	
Maximum Diurnal Average: 5.6 ppb at hour 9		Hours of Missing Data: 69	
Monthly Average: 4.62 ppb		Hours of Calibration: 38	
Minimum Daily Average: 1.5 ppb on Feb 23		Percent Operational Time: 95.4	
Minimum Diurnal Average: 3.9 ppb at hour 16		Percentiles: P <sub>1</sub> = 0.7 P <sub>10</sub> = 1.6 Q <sub>1</sub> = 2.5 Median = 3.7 Q <sub>3</sub> = 6.0 P <sub>90</sub> = 8.8 P <sub>99</sub> = 13.7	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Feb	A	6	4	3	4	3	5	3	4	M	4	4	3	3	2	3	5	8	5	5	5	5	6	5	4.4	8.0																							
2-Feb	A	3	3	2	2	2	1	1	2	2	2	1	M	M	P	P	P	P	P	P	P	P	P	P	--	2.9																							
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	3	3	3	4	3	3	6	6	5	5	7	--	6.6																							
4-Feb	A	6	7	8	5	5	5	4	7	5	4	5	C	C	C	C	C	7	8	9	9	9	10	10	6.8	10.1																							
5-Feb	A	9	8	7	7	8	9	6	7	9	6	4	4	6	5	3	4	4	6	7	7	8	5	5	6.1	8.5																							
6-Feb	A	3	4	3	3	3	3	3	4	7	5	3	1	2	2	2	4	3	6	4	3	4	3	2	3.3	7.0																							
7-Feb	A	1	2	4	4	6	8	12	12	3	3	3	3	4	8	6	7	9	9	10	8	10	13	13	6.8	12.9																							
8-Feb	A	7	8	8	8	8	6	7	6	4	4	4	3	3	4	3	5	7	3	4	4	3	3	3	4.9	8.3																							
9-Feb	A	5	3	4	4	2	4	4	8	5	4	2	2	3	2	2	2	4	5	5	4	9	6	5	4.0	9.0																							
10-Feb	A	3	2	2	3	3	3	5	4	3	3	2	3	3	3	3	2	4	3	4	4	2	2	2	2.9	4.6																							
11-Feb	A	2	2	4	7	5	4	6	6	3	3	2	2	1	6	9	6	3	3	4	4	6	4	4	4.1	8.5																							
12-Feb	A	3	3	3	3	3	3	2	3	3	3	2	2	2	2	2	3	4	3	4	3	7	10	4	3.3	9.9																							
13-Feb	A	5	5	3	3	4	7	7	12	7	5	C	C	C	C	C	C	7	6	6	7	5	4	3	--	11.6																							
14-Feb	A	4	3	4	4	4	3	4	8	5	4	4	4	4	4	3	3	4	4	4	4	3	3	4	3.8	8.4																							
15-Feb	A	4	3	4	5	5	6	9	7	6	5	9	8	3	4	6	6	4	5	5	5	5	6	5	5.4	9.3																							
16-Feb	A	5	6	5	5	5	6	6	7	10	7	8	9	10	8	8	9	10	10	11	12	11	12	10	8.2	12.1																							
17-Feb	A	14	13	12	11	11	11	15	13	10	9	8	8	8	6	6	6	6	7	7	6	5	5	5	8.7	15.1																							
18-Feb	A	6	5	7	6	5	7	6	6	8	11	14	12	14	15	13	12	10	7	8	8	8	8	8	8.8	14.8																							
19-Feb	A	9	8	8	8	8	10	10	10	10	10	11	11	8	M	6	6	7	8	7	8	8	8	8	8.5	11.1																							
20-Feb	A	12	15	16	17	12	9	9	6	5	4	5	5	6	5	4	3	3	3	3	4	4	2	2	6.6	16.8																							
21-Feb	A	2	2	1	2	2	2	2	1	2	2	2	2	1	2	2	2	3	2	3	2	2	2	2	1.9	2.6																							
22-Feb	A	3	3	2	2	2	2	2	2	3	3	4	M	M	1	1	2	2	1	2	4	2	1	1	2.2	3.7																							
23-Feb	A	2	1	1	1	1	1	1	2	2	M	M	3	2	1	1	1	1	2	2	2	2	1	2	1.5	2.9																							
24-Feb	A	1	1	3	2	3	7	4	5	3	3	3	2	1	1	1	1	1	3	3	2	1	2	3	2.4	7.1																							
25-Feb	A	4	3	6	7	5	4	3	4	5	4	1	1	1	8	5	6	5	3	3	3	2	3	3	3.8	7.8																							
26-Feb	A	1	2	2	2	1	2	2	2	2	2	3	5	3	2	2	3	3	3	3	3	1	1	1	2.1	4.5																							
27-Feb	A	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	3	4	6	5	10	11	4	2	2.6	11.0																							
28-Feb	A	3	3	2	2	2	2	3	4	2	3	4	3	4	6	3	3	3	3	4	4	4	4	5	3.3	6.1																							
																								--	4.5	4.6	4.6	4.7	4.4	4.7	5.0	5.6	4.7	4.3	4.3	4.1	4.0	4.2	3.9	4.2	4.7	4.7	4.9	5.1	5.3	4.9	4.5	Diurnal Average	
																								--	13.6	15.3	16.1	16.8	12.0	11.2	15.1	13.1	10.0	11.0	13.7	12.3	14.2	14.8	12.5	12.1	10.0	10.2	11.1	11.5	11.3	12.6	12.9	Diurnal Maximum	
C - Calibration																								P - Power Failure				M - Maintenance				A - Automated Daily Zero Span																	
Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 159 ppb 24-hr 106 ppb																																																	

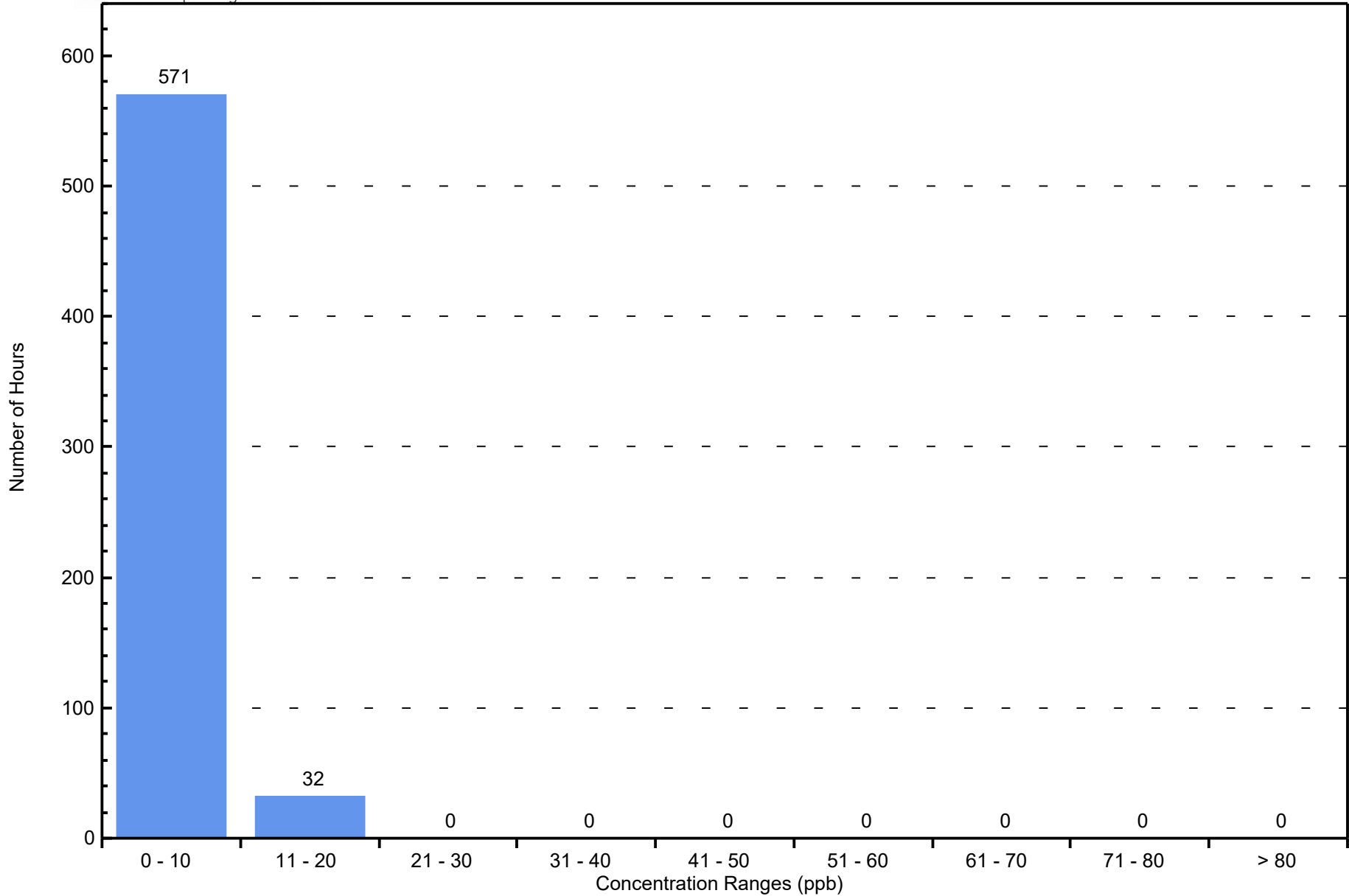
# Hourly Averages

**Nitrogen Dioxide (NO<sub>2</sub>) - ppb**  
**Eagle HillN - Feb 1, 2025 to Mar 1, 2025**



# Histogram of Hourly Averages

Nitrogen Dioxide (NO<sub>2</sub>) - ppb  
Eagle HillN - February 2025



# Hourly Averages

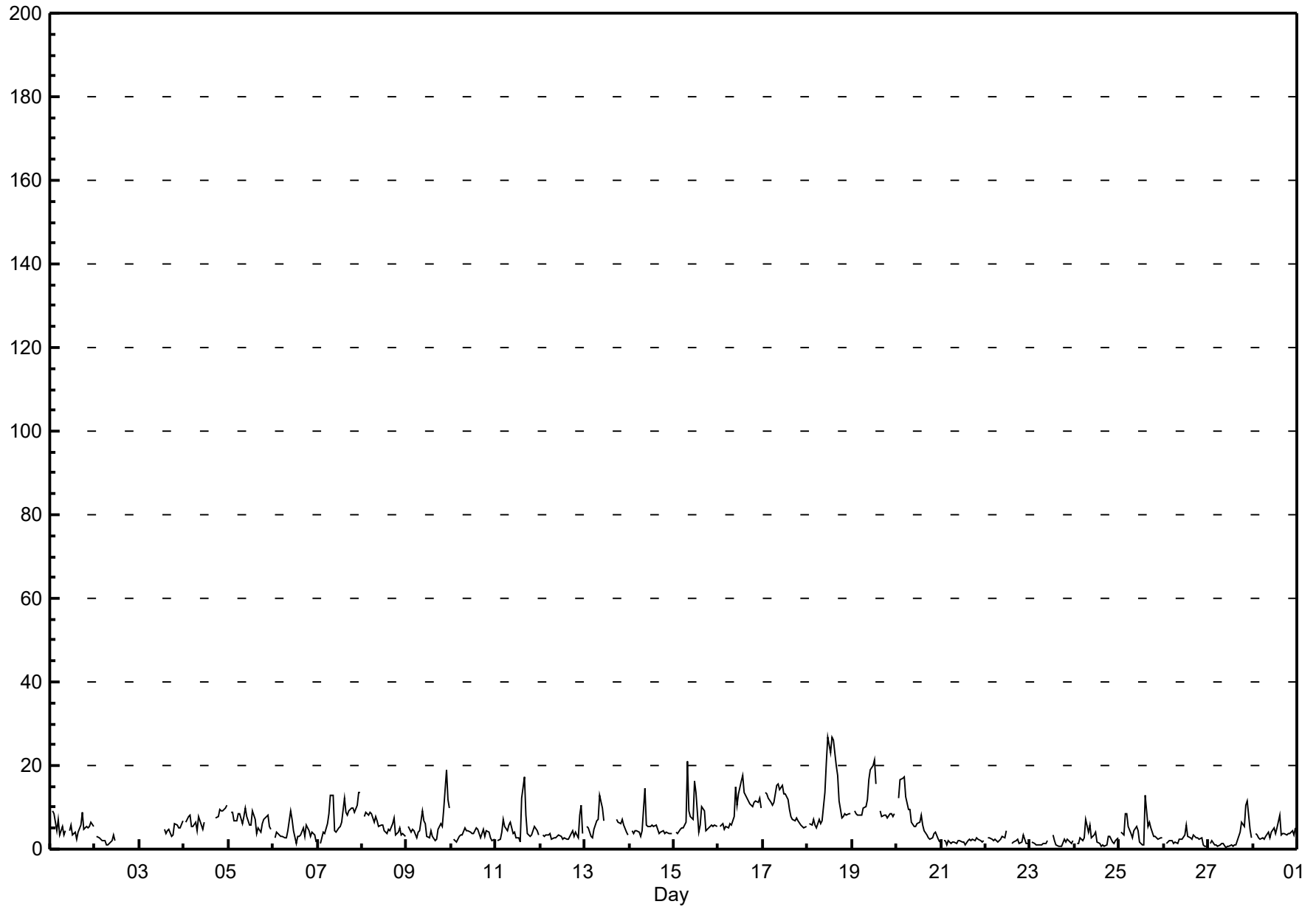
## Oxides of Nitrogen (NO<sub>x</sub>) - ppb Eagle HillN - Feb 1, 2025 to Mar 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 672
Maximum Value: 26.7 ppb on Feb 18 14:00	Maximum Daily Average: 12.4 ppb on Feb 18
Minimum Value: 0 ppb on Feb 27 10:00	Hours of Data: 603
Maximum Diurnal Average: 6.8 ppb at hour 12	Hours of Missing Data: 69
Monthly Average: 5.54 ppb	Hours of Calibration: 38
Minimum Daily Average: 1.6 ppb on Feb 23	Percent Operational Time: 95.4
Minimum Diurnal Average: 4.6 ppb at hour 6	
Percentiles: P <sub>1</sub> = 0.7 P <sub>10</sub> = 1.6 Q <sub>1</sub> = 2.7 Median = 4.4 Q <sub>3</sub> = 7.1 P <sub>90</sub> = 10.7 P <sub>99</sub> = 20.6	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Feb	A	9	8	4	7	3	5	3	4	M	4	6	3	4	2	4	6	9	5	5	5	5	6	5	5.3	9.2																							
2-Feb	A	3	3	2	2	2	1	1	2	2	3	2	M	M	P	P	P	P	P	P	P	P	P	P	--	3.3																							
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	5	4	4	5	3	4	6	6	5	5	7	--	6.8																							
4-Feb	A	6	8	8	5	5	7	4	8	6	5	6	C	C	C	C	C	7	8	10	9	9	10	11	7.3	10.7																							
5-Feb	A	9	9	7	7	8	9	6	8	10	8	6	6	9	7	4	5	4	6	7	8	8	5	5	6.9	9.8																							
6-Feb	A	3	4	3	3	3	3	3	4	9	7	5	2	3	3	3	5	3	6	4	3	4	3	2	3.8	9.3																							
7-Feb	A	1	3	4	4	6	8	13	13	5	4	5	5	6	12	9	8	9	10	10	9	11	13	14	7.9	13.6																							
8-Feb	A	8	9	8	9	8	7	8	7	5	6	6	5	4	5	4	6	7	3	4	5	3	4	3	5.8	8.8																							
9-Feb	A	5	4	5	4	3	4	4	9	7	6	3	3	4	3	2	2	5	6	5	9	19	12	10	5.9	19.1																							
10-Feb	A	2	2	2	3	3	3	5	5	5	4	4	4	5	5	4	3	5	3	4	4	3	2	2	3.5	5.1																							
11-Feb	A	2	2	4	7	5	4	6	6	4	4	3	3	2	12	17	8	4	3	3	4	6	4	4	5.1	17.3																							
12-Feb	A	4	3	3	3	4	2	3	3	3	3	3	2	3	2	2	3	4	3	4	3	8	11	4	3.6	10.6																							
13-Feb	A	5	5	3	3	5	7	7	13	10	7	C	C	C	C	C	C	7	6	6	7	6	4	4	--	12.8																							
14-Feb	A	4	4	4	4	4	3	4	14	6	5	5	6	6	6	5	4	4	4	4	4	4	4	4	4.9	14.4																							
15-Feb	A	4	4	5	5	5	7	21	9	8	7	16	14	4	6	10	9	5	5	6	6	5	6	5	7.4	20.9																							
16-Feb	A	5	6	5	5	5	6	6	8	15	11	13	16	18	14	12	12	11	10	11	11	11	12	10	10.1	17.7																							
17-Feb	A	14	13	12	11	11	11	15	15	14	15	13	13	12	10	8	7	7	7	7	6	5	5	6	10.3	15.5																							
18-Feb	A	6	6	7	6	5	7	6	7	13	21	27	23	27	26	20	18	12	7	8	9	8	8	8	12.4	26.7																							
19-Feb	A	9	8	8	8	8	10	10	12	17	19	20	21	15	M	9	8	8	8	7	9	8	8	9	10.9	21.2																							
20-Feb	A	12	16	17	17	13	10	9	6	5	6	6	6	8	6	4	3	3	3	3	4	4	2	2	7.2	17.3																							
21-Feb	A	2	2	1	2	1	2	2	1	2	2	2	2	1	2	3	2	2	2	3	2	2	2	2	1.9	2.6																							
22-Feb	A	3	3	2	2	2	2	2	2	3	3	4	M	M	1	2	2	2	1	2	4	2	1	1	2.3	4.5																							
23-Feb	A	2	1	1	1	1	1	1	2	2	M	M	3	2	1	1	1	1	2	2	2	2	1	2	1.6	3.5																							
24-Feb	A	1	1	3	2	3	7	4	6	3	4	4	2	1	1	1	1	1	3	3	2	1	2	3	2.5	7.1																							
25-Feb	A	4	3	9	8	5	4	3	4	5	5	2	1	1	13	5	7	5	3	3	3	2	3	3	4.4	12.7																							
26-Feb	A	1	2	2	2	1	2	1	2	3	3	3	6	3	3	2	3	3	3	3	3	1	1	1	2.3	5.9																							
27-Feb	A	1	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	3	4	6	6	11	11	5	2.8	11.4																							
28-Feb	A	4	3	3	2	3	2	3	4	3	4	5	4	5	8	3	4	4	3	4	4	4	4	5	3.8	8.1																							
																								--	4.8	5.0	4.9	5.1	4.6	5.0	5.7	6.5	6.3	6.4	6.8	6.5	6.2	6.3	5.6	5.3	5.1	4.9	5.1	5.5	5.9	5.3	4.9	Diurnal Average	
																								--	13.6	16.4	16.9	17.3	12.7	11.2	20.9	15.5	16.7	20.6	26.7	23.0	26.7	26.1	20.1	17.5	11.7	10.2	11.1	11.5	19.1	13.4	13.6	Diurnal Maximum	
C - Calibration																								P - Power Failure				M - Maintenance				A - Automated Daily Zero Span																	

# Hourly Averages

Oxides of Nitrogen (NO<sub>x</sub>) - ppb  
Eagle HillN - Feb 1, 2025 to Mar 1, 2025



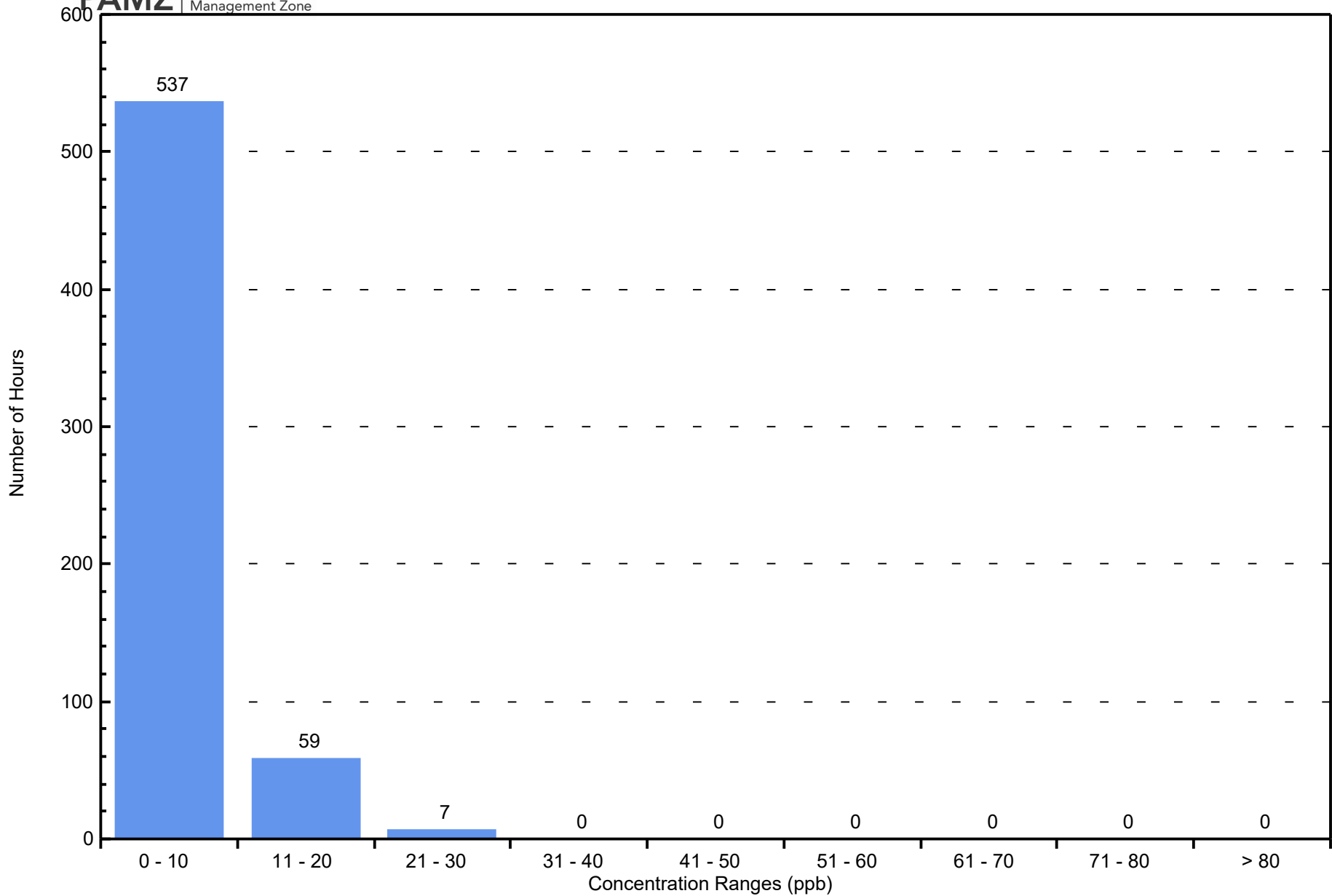


**PAMZ** | Parkland Airshed  
Management Zone

## Histogram of Hourly Averages

Oxides of Nitrogen (NO<sub>x</sub>) - ppb

Eagle HillIN - February 2025



# Hourly Averages

**Nitrogen Oxide (NO) - ppb**

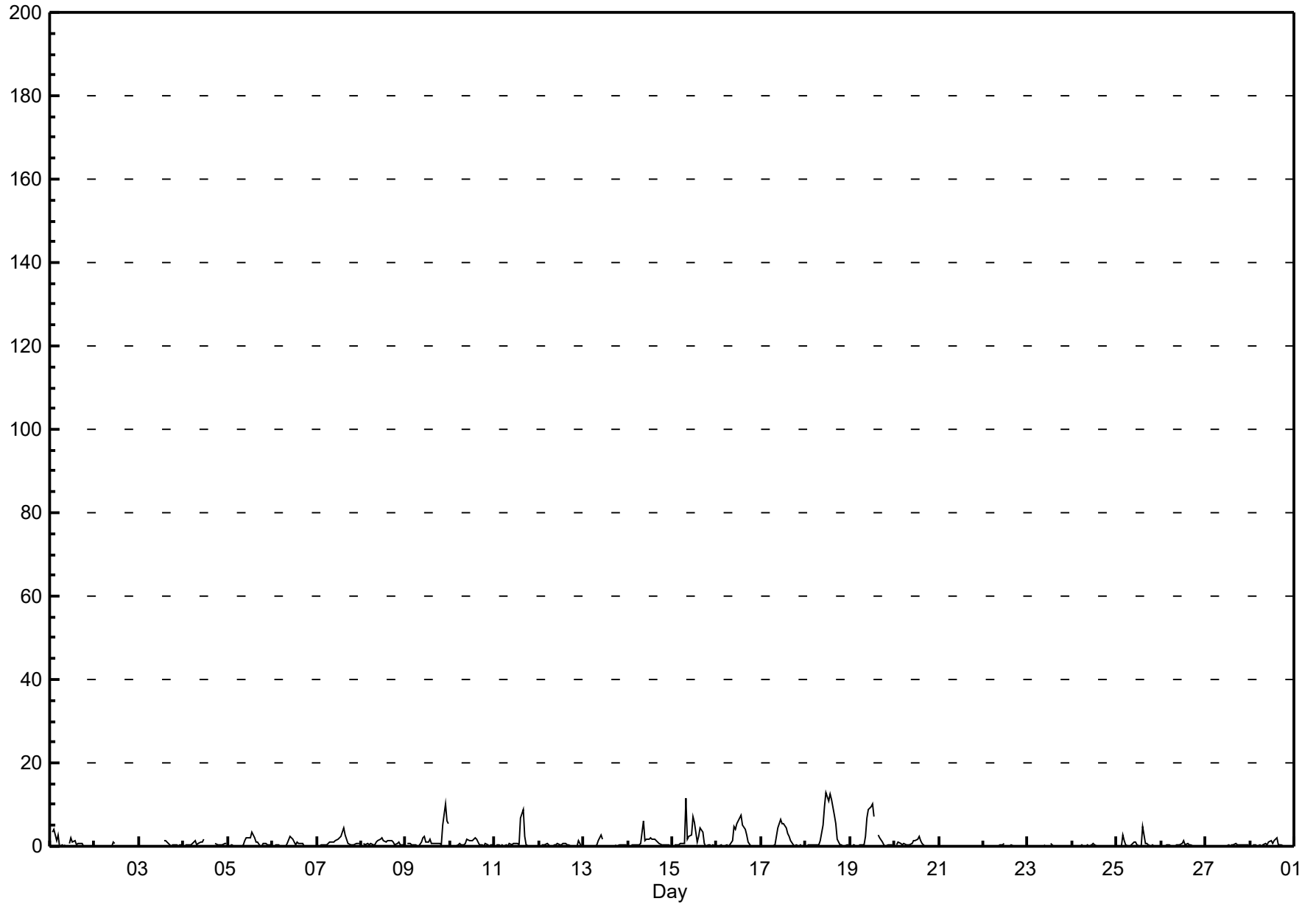
**Eagle HillN - Feb 1, 2025 to Mar 1, 2025**

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 672
Maximum Value: 13.0 ppb on Feb 18 12:00	Maximum Daily Average: 3.5 ppb on Feb 18
Minimum Value: 0 ppb on Feb 1 08:00	Hours of Data: 603
Maximum Diurnal Average: 2.5 ppb at hour 12	Hours of Missing Data: 69
Monthly Average: 0.92 ppb	Hours of Calibration: 38
Minimum Daily Average: 0.0 ppb on Feb 21	Percent Operational Time: 95.4
Minimum Diurnal Average: 0.2 ppb at hour 19	
Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.3 Q <sub>3</sub> = 0.8 P <sub>90</sub> = 2.2 P <sub>99</sub> = 10.1	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Feb	A	3	4	1	3	0	0	0	0	M	1	2	1	1	0	1	1	1	0	0	0	0	0	0	0.9	4.2																						
2-Feb	A	0	0	0	0	0	0	0	0	0	1	1	M	M	P	P	P	P	P	P	P	P	P	P	--	0.9																						
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	1	1	1	1	0	0	0	0	0	0	0	--	1.2																						
4-Feb	A	0	0	0	0	1	1	0	1	1	1	2	C	C	C	C	C	1	0	0	0	0	1	1	0.6	1.7																						
5-Feb	A	0	0	0	0	0	0	0	0	1	2	2	2	3	2	1	1	0	0	1	1	0	0	0	0.8	3.4																						
6-Feb	A	0	0	0	0	0	0	1	2	2	2	2	0	1	1	1	1	0	0	0	0	0	0	0	0.5	2.3																						
7-Feb	A	0	0	0	0	0	1	1	1	1	1	2	2	3	5	3	2	1	0	0	0	1	1	1	1.1	4.5																						
8-Feb	A	1	1	1	0	1	0	0	1	1	2	2	1	1	1	1	1	1	0	1	1	0	0	0	0.9	2.0																						
9-Feb	A	1	1	0	0	0	0	0	1	2	2	1	1	2	1	1	1	1	1	0	5	10	6	5	1.8	10.1																						
10-Feb	A	0	0	0	0	1	0	0	1	2	1	1	1	2	2	1	0	0	0	1	0	0	0	0	0.7	1.9																						
11-Feb	A	0	0	0	0	0	0	1	1	1	1	1	1	0	7	9	2	0	0	0	0	0	0	0	1.0	8.8																						
12-Feb	A	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0.3	1.2																						
13-Feb	A	0	0	0	0	0	0	0	1	3	2	C	C	C	C	C	C	0	0	0	0	0	0	0	--	2.6																						
14-Feb	A	0	0	0	0	0	0	1	6	1	2	2	2	2	2	1	1	1	0	0	0	0	0	0	1.0	6.0																						
15-Feb	A	0	0	0	1	1	1	12	2	2	3	7	6	1	2	4	3	1	0	0	0	0	0	0	2.1	11.6																						
16-Feb	A	0	0	0	0	0	0	1	5	4	5	7	7	5	4	3	1	0	0	0	0	0	0	0	1.9	7.3																						
17-Feb	A	0	0	0	0	0	0	2	4	6	5	5	4	3	2	1	0	0	0	0	0	0	0	0	1.6	6.3																						
18-Feb	A	0	0	0	0	0	0	0	1	5	10	13	11	12	11	8	5	2	0	0	0	0	0	0	3.5	13.0																						
19-Feb	A	0	0	0	0	0	0	0	2	7	9	10	10	7	M	3	2	1	0	0	0	0	0	0	2.4	10.1																						
20-Feb	A	0	1	1	0	1	0	0	0	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0.6	2.3																						
21-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1																						
22-Feb	A	0	0	0	0	0	0	0	0	0	0	1	M	M	0	0	0	0	0	0	0	0	0	0	0.1	0.8																						
23-Feb	A	0	0	0	0	0	0	0	0	0	M	M	1	0	0	0	0	0	0	0	0	0	0	0	0.1	0.6																						
24-Feb	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.8																						
25-Feb	A	0	0	3	1	0	0	0	0	1	1	0	0	0	5	1	1	0	0	0	0	0	0	0	0.6	4.9																						
26-Feb	A	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0.3	1.4																						
27-Feb	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.2	0.6																						
28-Feb	A	0	0	0	0	0	0	0	1	0	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0.4	2.0																						
																								--	0.3	0.4	0.3	0.4	0.2	0.2	0.7	0.9	1.6	2.1	2.5	2.4	2.2	2.2	1.7	1.1	0.4	0.2	0.2	0.4	0.6	0.4	0.4	Diurnal Average
																								--	3.5	4.2	2.7	2.9	0.7	1.3	11.6	6.0	6.9	9.6	13.0	10.7	12.5	11.3	8.8	5.4	1.7	0.8	0.7	5.1	10.1	6.2	5.3	Diurnal Maximum
C - Calibration																								P - Power Failure				M - Maintenance				A - Automated Daily Zero Span																

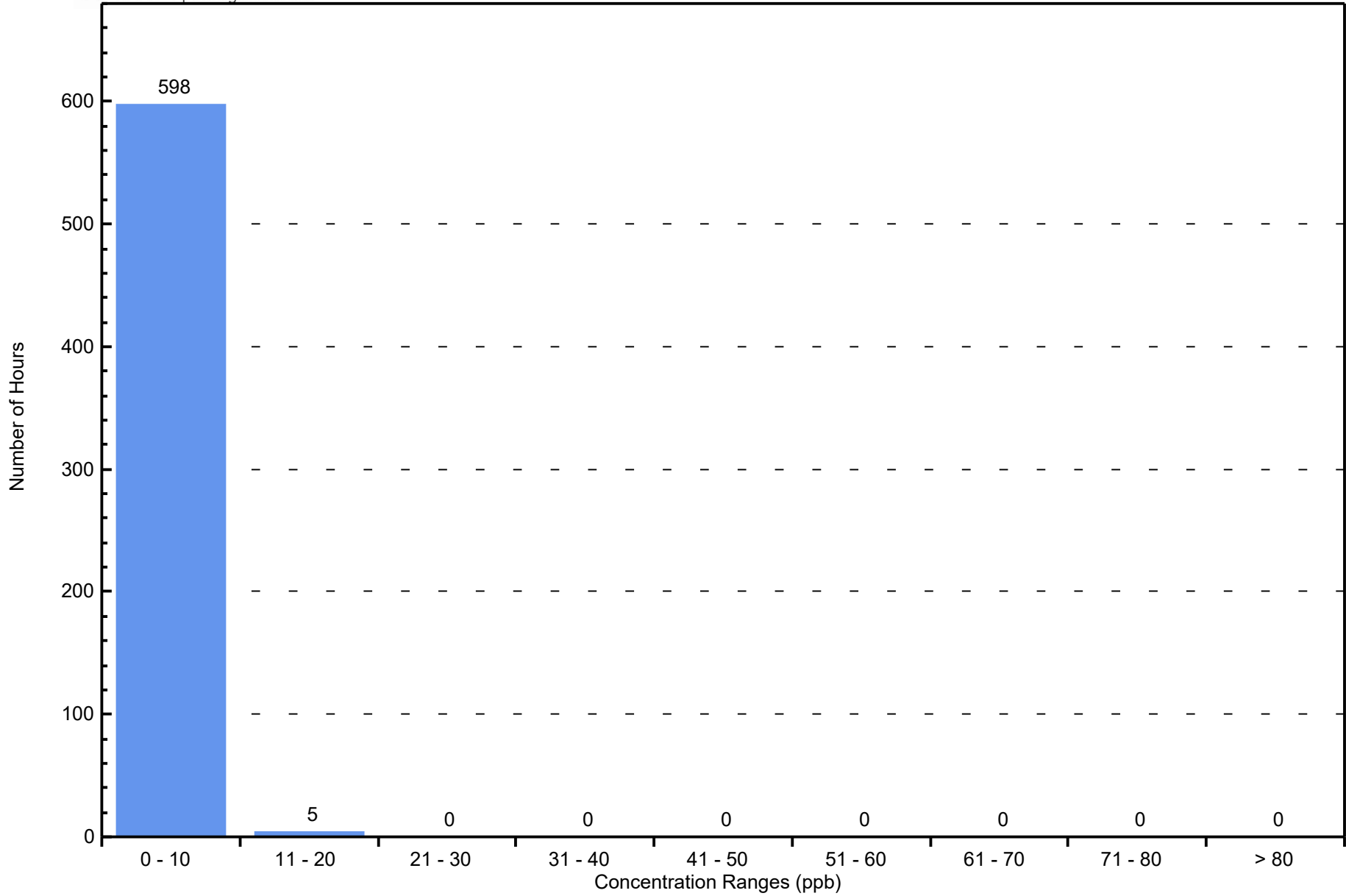
# Hourly Averages

**Nitrogen Oxide (NO) - ppb**  
**Eagle HillN - Feb 1, 2025 to Mar 1, 2025**



# Histogram of Hourly Averages

Nitrogen Oxide (NO) - ppb  
Eagle HillN - February 2025



# Hourly Averages

Ozone (O<sub>3</sub>) - ppb

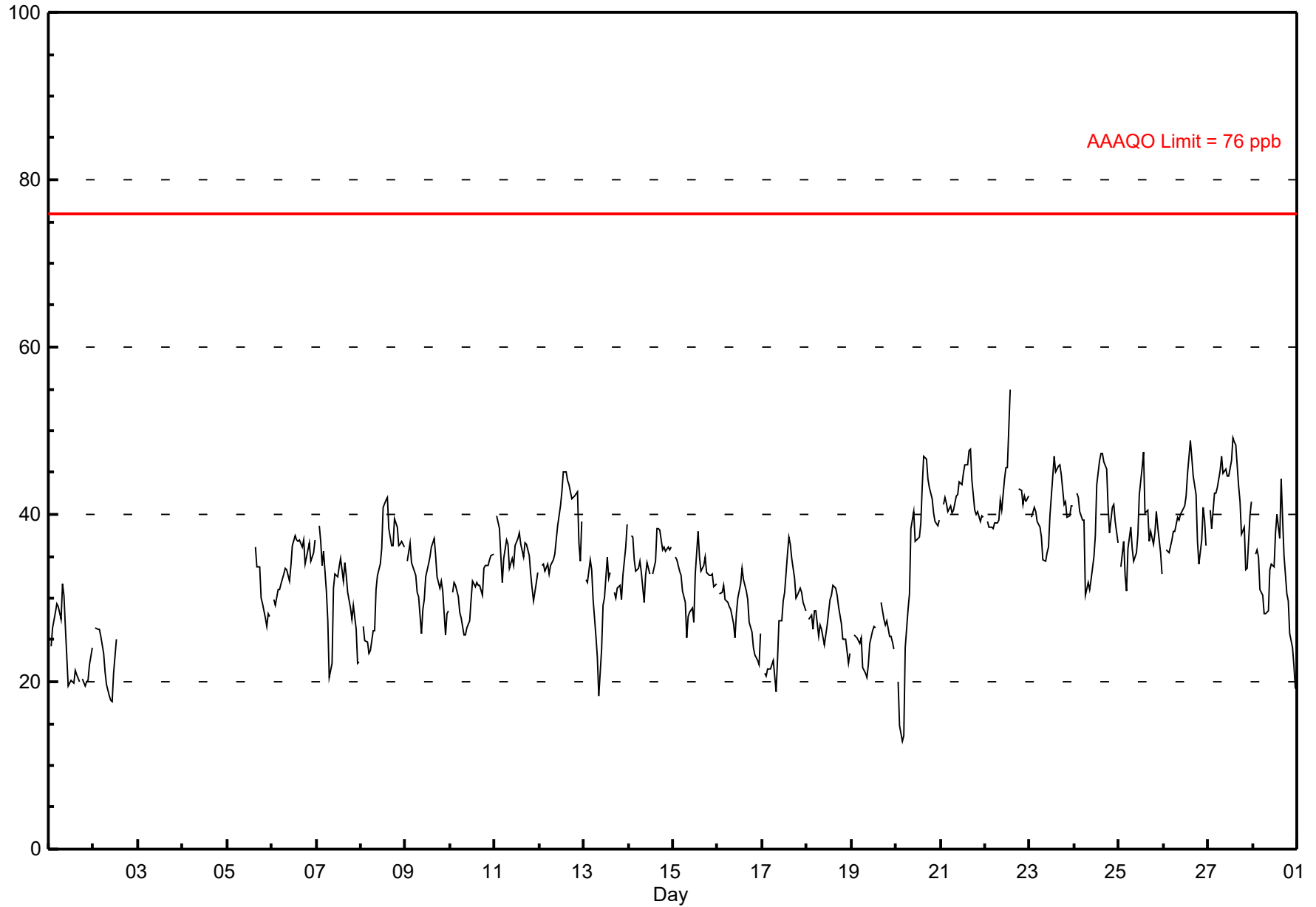
Eagle HillN - Feb 1, 2025 to Mar 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 672
Maximum Value: 55.0 ppb on Feb 22 14:00	Maximum Daily Average: 42.6 ppb on Feb 27
Minimum Value: 13 ppb on Feb 20 04:00	Hours of Data: 564
Maximum Diurnal Average: 38.7 ppb at hour 16	Hours of Missing Data: 108
Monthly Average: 33.66 ppb	Hours of Calibration: 36
Minimum Daily Average: 23.7 ppb on Feb 1	Percent Operational Time: 89.3
Minimum Diurnal Average: 30.5 ppb at hour 8	
Percentiles: P <sub>1</sub> = 18.3 P <sub>10</sub> = 24.3 Q <sub>1</sub> = 28.9 Median = 33.9 Q <sub>3</sub> = 38.6 P <sub>90</sub> = 42.6 P <sub>99</sub> = 47.7	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Feb	A	24	26	28	29	29	27	32	30	27	20	20	20	20	21	21	20	N	20	19	20	20	22	24	23.7	31.7																						
2-Feb	A	26	26	26	25	23	21	20	18	18	18	21	25	P	P	P	P	P	P	P	P	P	P	P	--	26.5																						
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	N	N	N	N	N	N	N	N	N	N	N	--	--																						
4-Feb	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	M	M	M	M	M	--	--																						
5-Feb	M	M	M	M	M	M	M	M	M	M	C	C	C	C	C	36	34	34	30	29	28	27	28	28	--	36.1																						
6-Feb	A	30	29	31	31	32	33	34	33	32	34	36	37	37	37	37	36	37	34	36	37	34	35	37	34.3	37.5																						
7-Feb	A	39	37	34	36	31	27	21	22	31	33	33	34	35	32	34	33	31	29	27	29	26	22	22	30.3	38.6																						
8-Feb	A	27	25	25	23	24	26	26	31	33	34	36	41	42	42	38	36	36	39	39	36	36	37	36	33.4	42.1																						
9-Feb	A	34	37	34	34	33	31	30	26	29	30	33	34	35	36	37	35	33	31	32	31	26	28	28	32.0	37.1																						
10-Feb	A	31	32	32	30	28	28	26	26	26	27	30	32	31	32	32	32	30	33	34	34	35	35	35	30.9	35.3																						
11-Feb	A	40	38	35	32	35	37	36	33	35	34	36	37	38	36	35	37	37	35	33	31	30	32	33	35.0	39.8																						
12-Feb	A	34	34	33	34	33	34	35	35	37	39	41	43	45	45	44	44	42	42	42	43	37	34	39	38.6	45.1																						
13-Feb	A	32	32	35	33	30	25	23	18	24	29	30	35	32	33	M	31	30	31	32	30	33	36	39	30.6	38.8																						
14-Feb	A	37	37	35	33	34	34	33	30	33	34	33	M	33	34	38	38	38	36	36	36	36	36	36	35.0	38.4																						
15-Feb	A	35	35	33	33	31	29	25	28	28	29	27	33	38	35	33	34	35	33	33	33	33	31	32	32.0	37.9																						
16-Feb	A	31	31	32	30	29	29	29	27	25	28	30	32	34	32	31	30	27	26	24	23	23	22	26	28.2	33.6																						
17-Feb	A	21	21	22	21	22	22	19	23	27	30	31	35	37	36	35	32	30	30	31	31	29	29	29	27.9	37.2																						
18-Feb	A	27	28	26	28	29	25	27	26	24	26	27	30	30	32	31	30	29	27	25	25	22	23	23	27.1	31.5																						
19-Feb	A	26	25	25	25	25	22	21	20	22	25	26	27	26	M	M	29	27	27	27	25	25	24	24	25.0	29.5																						
20-Feb	A	20	15	13	14	24	29	31	38	40	37	37	37	39	43	47	47	44	43	42	40	39	39	39	34.6	46.9																						
21-Feb	A	41	42	41	40	41	40	40	42	42	44	43	45	46	46	48	48	44	41	40	40	39	40	40	42.4	47.8																						
22-Feb	A	39	38	38	38	39	39	39	42	40	44	46	46	55	C	C	C	C	43	43	41	42	41	42	42.0	55.0																						
23-Feb	A	40	41	40	39	38	37	35	34	35	36	40	45	47	45	46	46	45	41	41	40	40	41	41	40.6	46.9																						
24-Feb	A	42	42	40	39	39	30	32	31	32	35	37	44	46	47	47	46	45	41	38	41	41	39	37	39.7	47.4																						
25-Feb	A	34	37	33	31	36	38	36	34	35	38	42	46	47	40	41	37	38	36	38	40	39	35	33	37.5	47.4																						
26-Feb	A	36	36	35	37	38	38	40	39	40	40	41	42	45	49	47	45	42	37	34	37	41	39	36	39.7	48.8																						
27-Feb	A	41	38	42	43	43	45	47	45	45	44	45	46	49	49	48	43	41	38	38	33	34	40	42	42.6	49.2																						
28-Feb	A	35	36	35	31	30	28	28	28	33	34	34	38	40	37	44	40	35	30	30	26	24	22	19	32.1	44.3																						
																								--	32.9	32.7	32.1	31.6	31.9	31.1	30.5	30.5	31.8	32.7	34.1	36.6	38.6	38.2	38.7	36.8	36.2	34.2	33.7	33.2	32.6	32.5	32.8	Diurnal Average
																								--	42.5	42.1	42.5	42.6	43.2	45.2	47.0	44.9	45.4	44.5	45.7	46.5	55.0	48.8	48.4	47.8	45.5	43.2	42.9	42.7	42.1	41.5	42.2	Diurnal Maximum
C - Calibration																								P - Power Failure						M - Maintenance						N - Not Valid						A - Automated Daily Zero Span						
Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 76 ppb 24-hr na																																																

# Hourly Averages

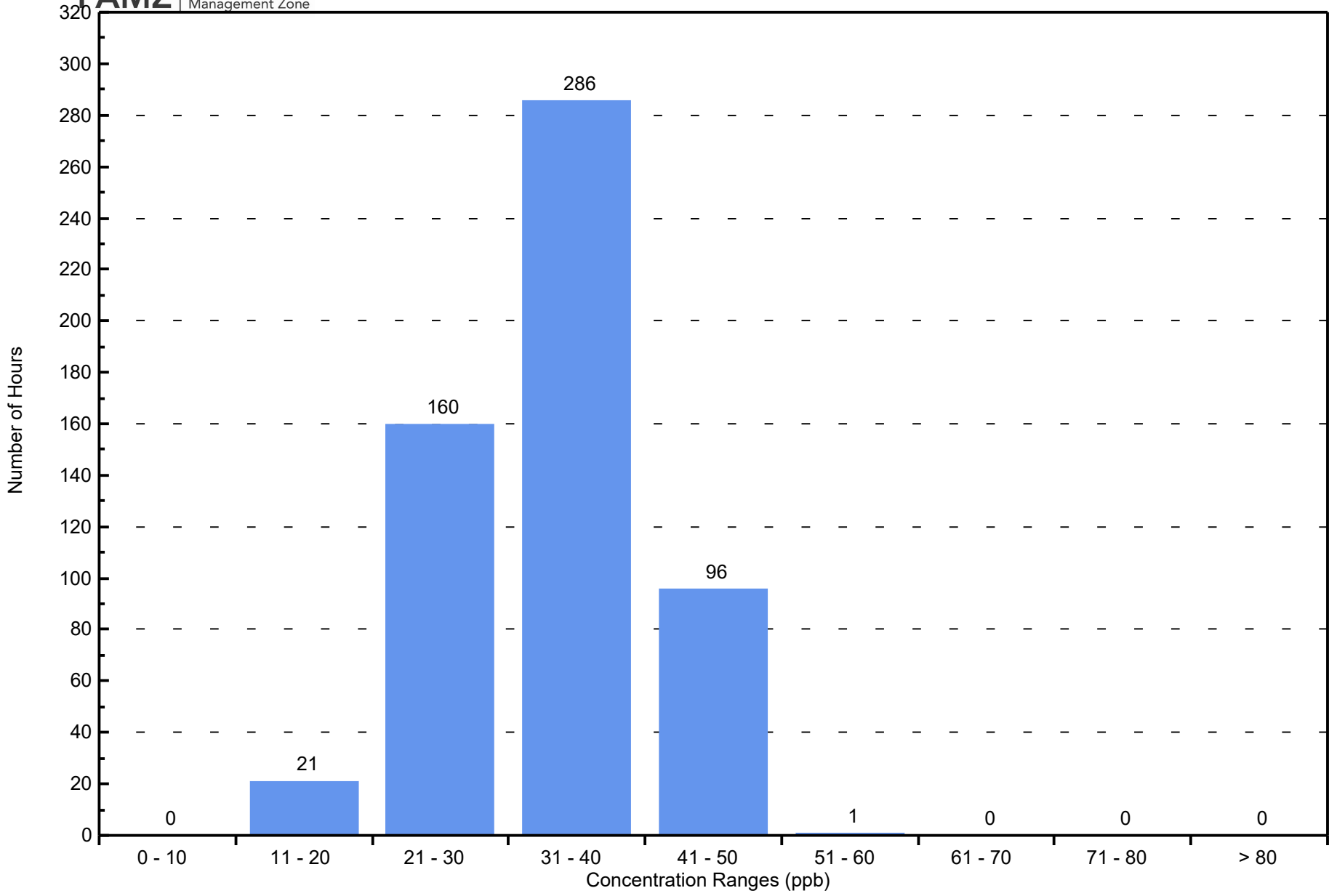
Ozone (O<sub>3</sub>) - ppb  
Eagle HillN - Feb 1, 2025 to Mar 1, 2025





# Histogram of Hourly Averages

Ozone (O<sub>3</sub>) - ppb  
Eagle HillN - February 2025



# Hourly Averages

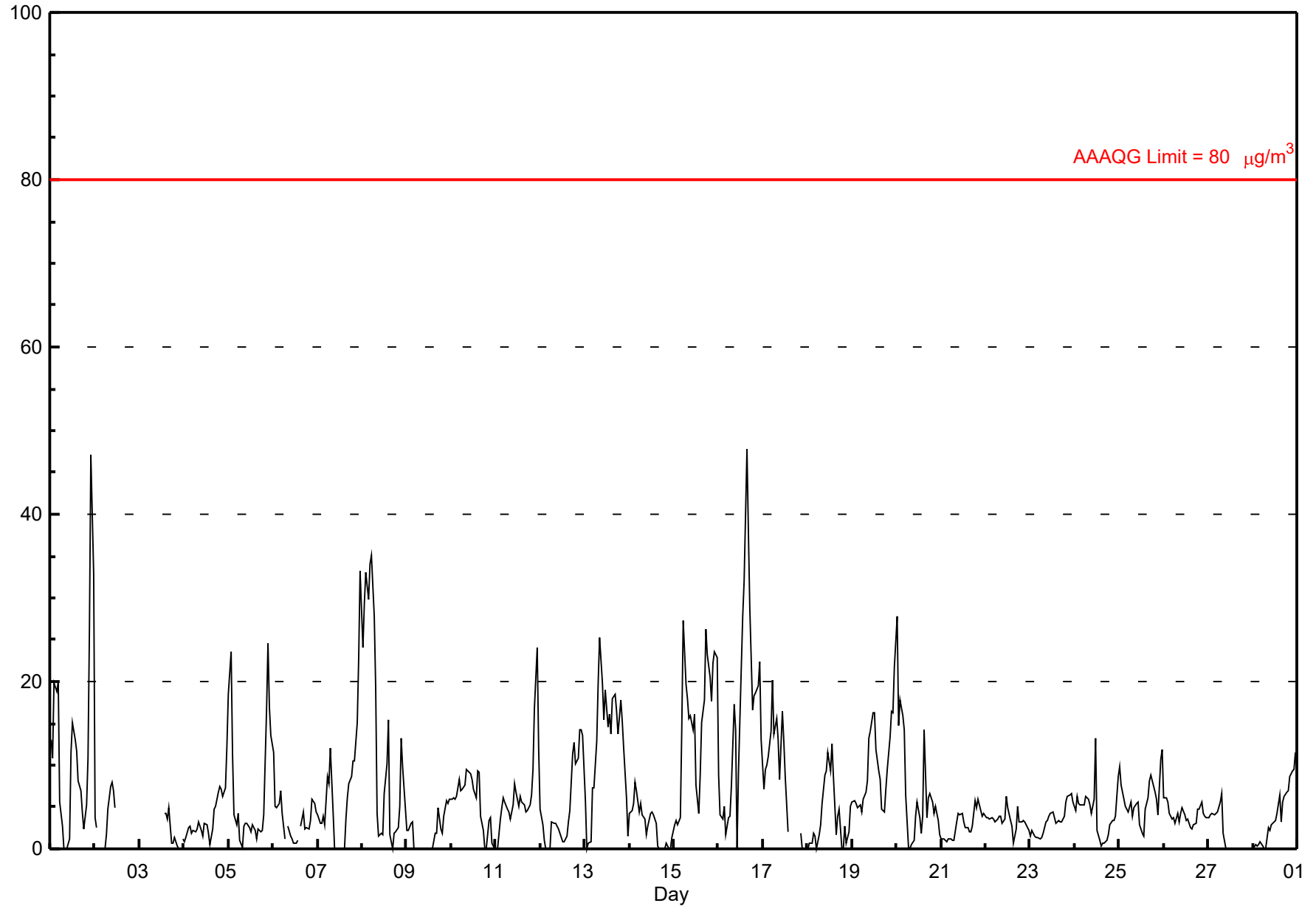
**PM2.5 (PM<sub>2.5</sub>) - µg/m<sup>3</sup>**

**Eagle HillN - Feb 1, 2025 to Mar 1, 2025**

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 47.7 µg/m <sup>3</sup> on Feb 16 16:00      Maximum Daily Average: 16.0 µg/m <sup>3</sup> on Feb 16		Hours in Service: 672 Hours of Data: 635 Hours of Missing Data: 37 Hours of Calibration: 1 Percent Operational Time: 94.6																																														
Minimum Value: 0 µg/m <sup>3</sup> on Feb 1 08:00 Maximum Diurnal Average: 10.3 µg/m <sup>3</sup> at hour 23 Monthly Average: 6.49 µg/m <sup>3</sup>		Minimum Daily Average: 1.8 µg/m <sup>3</sup> on Feb 27 Minimum Diurnal Average: 5.3 µg/m <sup>3</sup> at hour 11 Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.1 Q <sub>1</sub> = 2.1 Median = 4.2 Q <sub>3</sub> = 8.0 P <sub>90</sub> = 16.1 P <sub>99</sub> = 33.0																																														
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Feb	13	11	20	19	20	6	3	0	0	0	1	12	15	13	12	8	7	4	2	5	11	26	47	33	12.0	47.1																						
2-Feb	4	3	N	N	0	0	2	5	7	8	7	5	P	P	P	P	P	P	P	P	P	P	P	P	--	7.9																						
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	4	4	4	5	1	1	1	0	0	N	1	--	5.0																						
4-Feb	1	1	2	3	2	2	2	2	2	3	2	2	3	3	2	1	2	5	5	7	7	7	6	7	3.8	12.2																						
5-Feb	18	24	11	4	3	4	1	0	3	3	3	3	2	3	2	1	2	2	2	4	17	25	17	14	7.0	24.6																						
6-Feb	12	5	5	6	7	4	1	N	3	2	1	1	1	1	C	3	4	2	3	2	3	6	5	4	3.7	11.5																						
7-Feb	4	3	3	4	3	9	8	12	4	0	0	0	0	0	0	3	6	8	9	10	11	15	23	33	7.0	33.3																						
8-Feb	24	29	33	30	34	35	28	19	4	1	2	2	7	10	15	2	0	2	2	3	5	13	10	5	13.1	35.2																						
9-Feb	2	2	3	3	0	0	0	0	0	0	0	0	0	0	0	2	2	5	2	2	4	6	5	6	1.8	5.9																						
10-Feb	6	6	6	6	8	7	7	8	10	9	9	8	7	6	9	9	4	2	0	0	3	4	1	0	5.7	9.5																						
11-Feb	0	0	4	5	6	6	5	4	4	5	8	7	5	6	6	5	4	5	5	6	9	17	24	12	6.6	24.1																						
12-Feb	5	3	1	0	0	0	3	3	3	3	2	1	1	1	1	3	5	11	13	10	11	14	14	14	5.1	14.3																						
13-Feb	6	0	1	1	7	7	13	20	25	20	15	19	15	16	14	18	19	16	14	18	15	12	6	1	12.4	25.2																						
14-Feb	4	5	5	8	7	4	5	4	4	2	3	4	4	4	3	0	0	0	0	0	1	0	0	1	2.9	7.9																						
15-Feb	3	3	3	4	14	27	20	18	16	16	14	16	8	4	9	15	18	26	23	21	18	22	24	23	15.2	27.3																						
16-Feb	9	4	4	5	2	4	4	7	17	14	0	9	22	28	32	48	38	29	17	18	19	20	22	13	16.0	47.7																						
17-Feb	7	9	10	11	14	20	14	16	13	8	16	13	9	2	N	1	N	N	N	N	2	0	0	0	8.7	20.2																						
18-Feb	0	1	1	2	2	0	2	3	5	9	9	12	9	12	9	2	4	5	0	0	3	1	2	5	4.0	12.5																						
19-Feb	6	6	5	5	5	4	6	7	8	13	14	16	16	12	9	8	5	4	7	9	13	17	16	22	9.8	21.8																						
20-Feb	28	15	18	16	14	6	0	0	0	1	4	6	4	2	4	14	4	6	7	6	4	5	3	2	7.0	27.9																						
21-Feb	1	1	1	1	1	1	1	1	1	3	4	4	4	3	3	3	2	2	3	6	5	6	5	4	4	2.9	5.9																					
22-Feb	4	4	4	4	4	3	4	4	4	4	3	4	6	5	3	3	1	2	5	3	3	3	3	2	3.5	6.2																						
23-Feb	2	2	2	1	1	1	1	2	3	3	4	4	4	4	3	3	3	3	4	6	6	6	7	6	3.5	6.7																						
24-Feb	5	6	5	5	5	5	6	6	5	4	6	13	2	1	0	1	1	1	2	3	3	3	4	9	4.3	13.2																						
25-Feb	10	8	6	5	5	4	6	4	5	5	6	3	2	1	5	6	8	9	8	7	6	4	11	12	6.0	11.9																						
26-Feb	6	6	6	4	4	4	3	4	3	4	5	4	3	4	3	2	3	3	5	5	6	4	4	4	4.1	6.2																						
27-Feb	4	4	4	4	4	4	6	7	2	0	0	0	0	N	N	0	0	0	0	0	0	0	0	0	1.8	6.5																						
28-Feb	0	1	0	0	1	0	0	0	3	2	3	3	3	4	7	3	6	6	7	7	9	9	10	11	4.0	11.5																						
																								6.7	6.0	6.2	6.0	6.4	6.3	5.5	6.0	5.8	5.3	5.3	6.4	5.8	5.6	6.4	6.2	6.0	6.3	5.6	6.1	7.2	9.0	10.3	9.2	Diurnal Average
																								27.9	29.4	33.0	29.8	34.0	35.2	27.9	19.8	25.2	19.8	16.4	19.0	21.7	27.7	32.0	47.7	37.9	28.8	23.3	20.6	18.7	26.1	47.1	33.3	Diurnal Maximum
C - Calibration      P - Power Failure      N - Not Valid Alberta Ambient Air Quality Guidelines (AAAQG): 1-hr 80 µg/m <sup>3</sup> Alberta Ambient Air Quality Objectives (AAAQO): 24-hr 29 µg/m <sup>3</sup>																																																

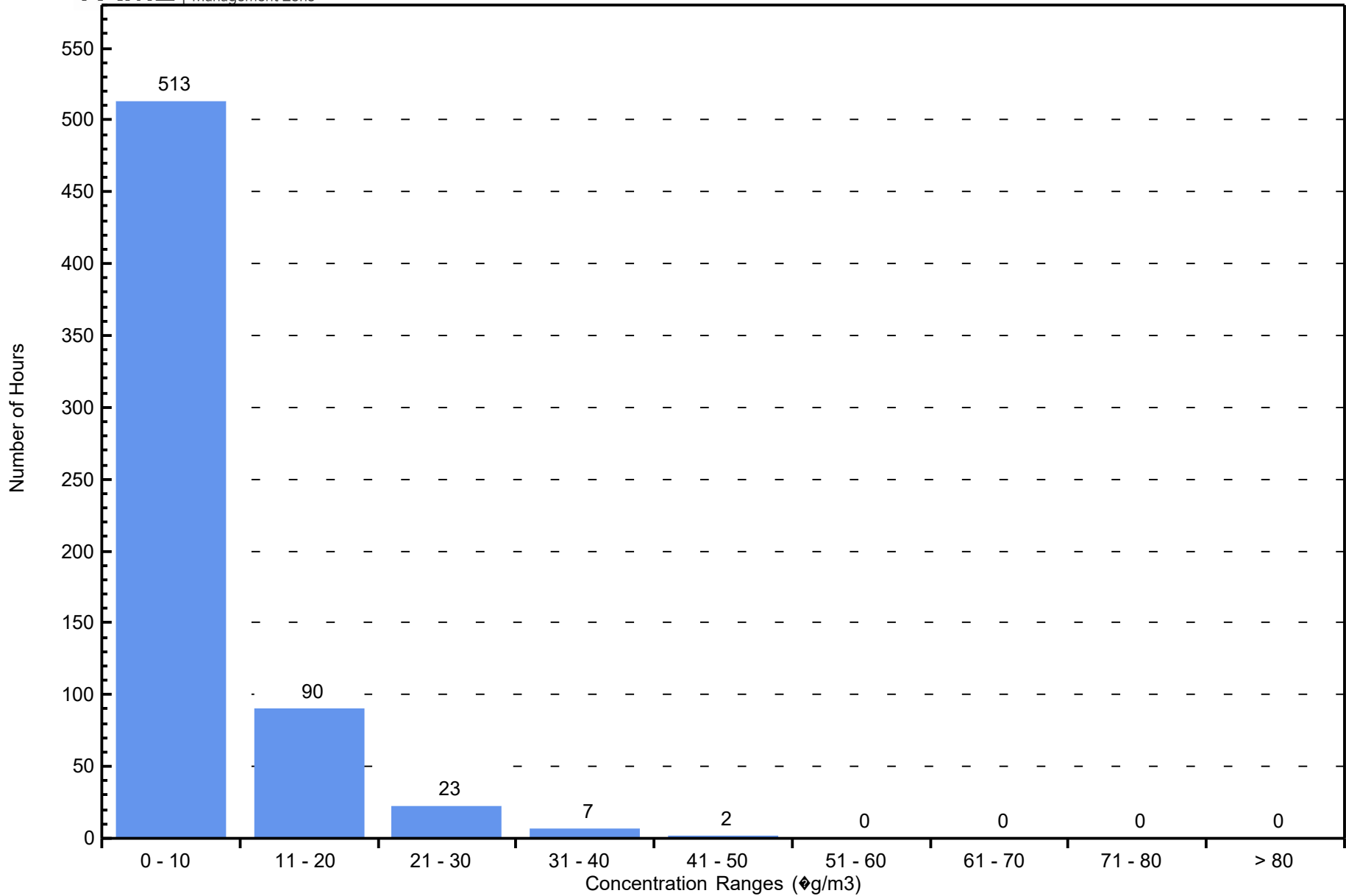
# Hourly Averages

PM2.5 (PM<sub>2.5</sub>) -  $\mu\text{g}/\text{m}^3$   
Eagle HillN - Feb 1, 2025 to Mar 1, 2025



# Histogram of Hourly Averages

**PM2.5 (PM<sub>2.5</sub>) - μg/m<sup>3</sup>**  
**Eagle HillN - February 2025**



# Hourly Averages

## Total Hydrocarbons (THC) - ppm Eagle HillN - Feb 1, 2025 to Mar 1, 2025

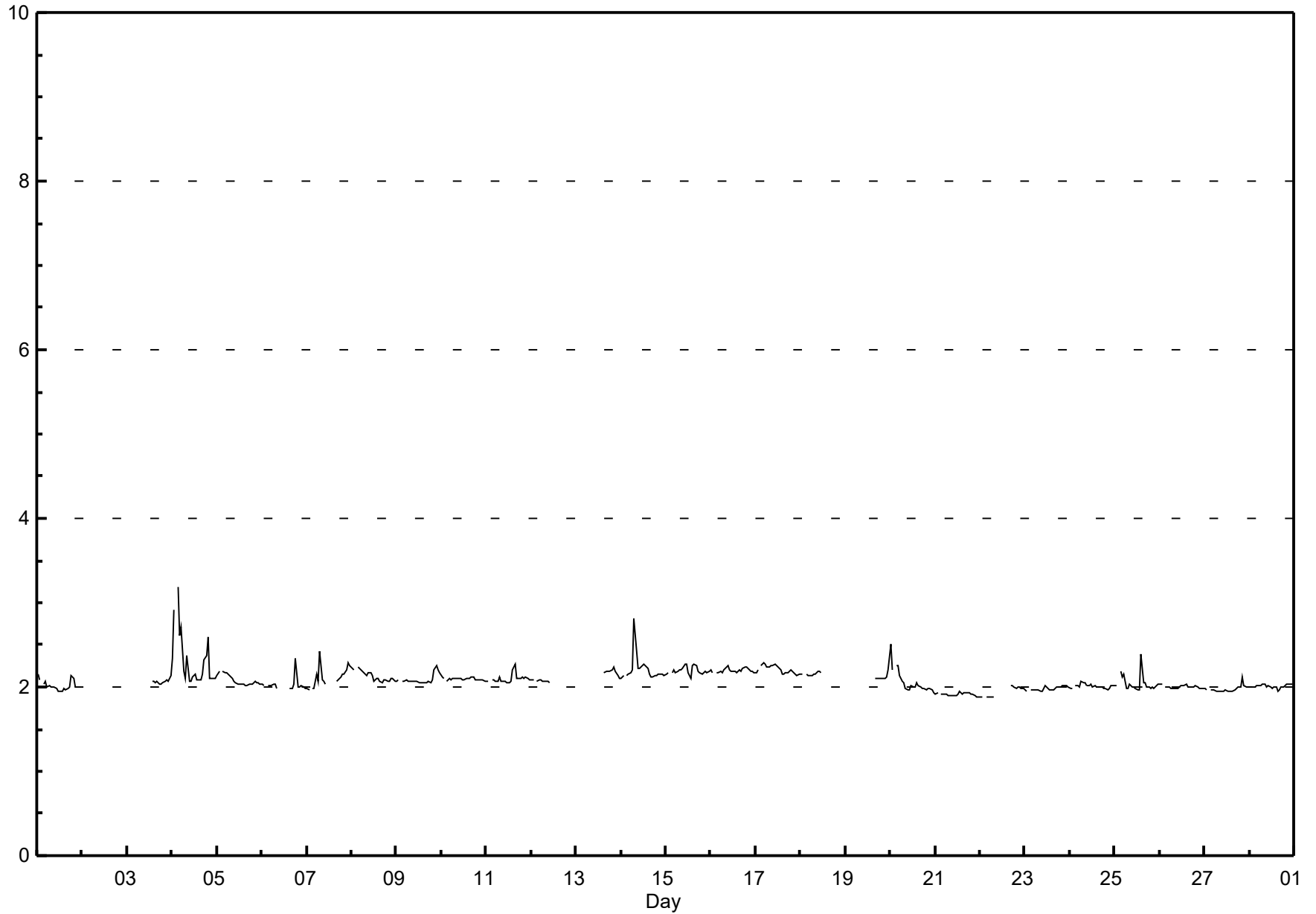
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 672
Maximum Value: 3.19 ppm on Feb 4 04:00	Maximum Daily Average: 2.30 ppm on Feb 4
Minimum Value: 1.9 ppm on Feb 22 11:00	Hours of Data: 537
Maximum Diurnal Average: 2.13 ppm at hour 4	Hours of Missing Data: 135
Monthly Average: 2.084 ppm	Hours of Calibration: 40
Minimum Daily Average: 1.91 ppm on Feb 21	Percent Operational Time: 85.9
Minimum Diurnal Average: 2.06 ppm at hour 14	
Percentiles: P <sub>1</sub> = 1.88 P <sub>10</sub> = 1.96 Q <sub>1</sub> = 2.00 Median = 2.07 Q <sub>3</sub> = 2.15 P <sub>90</sub> = 2.21 P <sub>99</sub> = 2.57	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																										
1-Feb	2.2	2.1	A	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	N	N	N		2.02	2.15																								
2-Feb	N	N	N	N	N	N	N	N	N	N	N	N	N	N	P	P	P	P	P	P	P	P	P	P		--	--																							
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1		--	2.13																							
4-Feb	2.3	2.9	A	3.2	2.6	2.7	2.2	2.1	2.4	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.2	2.3	2.4	2.6	2.1	2.1	2.1	2.1		2.30	3.19																							
5-Feb	2.1	2.2	A	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0		2.08	2.19																							
6-Feb	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	C	C	C	C	C	C	2.0	2.0	2.0	2.3	2.0	2.0	2.0	2.0	2.0		--	2.34																							
7-Feb	2.0	2.0	A	2.0	2.0	2.2	2.1	2.4	2.1	2.1	2.0	C	C	C	C	C	2.1	2.1	2.1	2.2	2.1	2.2	2.3	2.3		2.12	2.43																							
8-Feb	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.13	2.24																							
9-Feb	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2		2.09	2.25																							
10-Feb	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.09	2.13																							
11-Feb	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.10	2.28																							
12-Feb	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	N	N	N	N	N	N	N	N	N	N	N	N	N		--	2.09																							
13-Feb	N	N	N	N	N	N	N	N	N	N	N	2.2	M	2.2	M	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1		--	2.23																							
14-Feb	2.1	2.1	A	2.1	2.2	2.2	2.2	2.8	2.4	2.2	2.2	2.2	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1		2.21	2.82																							
15-Feb	2.1	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.2	2.1	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2		2.20	2.28																							
16-Feb	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2		2.20	2.25																							
17-Feb	2.2	2.2	A	2.3	2.3	2.3	2.2	2.2	2.3	2.3	2.3	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1		2.21	2.30																							
18-Feb	2.1	2.2	A	2.2	2.1	2.1	2.1	2.1	2.2	2.2	2.2	N	N	N	N	N	N	N	N	N	N	N	N	N		--	2.18																							
19-Feb	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2.1	M	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2		--	2.20																						
20-Feb	2.5	2.2	A	2.3	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.05	2.51																							
21-Feb	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9		1.91	1.95																							
22-Feb	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	M	M	1.9	C	C	C	C	C	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		--	2.02																							
23-Feb	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		1.98	2.02																							
24-Feb	2.0	2.0	A	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.01	2.06																							
25-Feb	2.0	2.0	A	2.2	2.1	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.04	2.40																							
26-Feb	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.00	2.04																							
27-Feb	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0		1.98	2.13																							
28-Feb	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.01	2.04																							
																								2.09	2.11	--	2.13	2.10	2.11	2.07	2.11	2.10	2.07	2.06	2.08	2.06	2.06	2.09	2.07	2.06	2.07	2.09	2.09	2.08	2.08	2.08	2.07		Diurnal Average	
																								2.51	2.92	--	3.19	2.61	2.72	2.23	2.82	2.43	2.25	2.28	2.26	2.27	2.26	2.40	2.28	2.25	2.32	2.37	2.60	2.23	2.25	2.29	2.26		Diurnal Maximum	

C - Calibration      P - Power Failure      M - Maintenance      N - Not Valid      A - Automated Daily Zero Span

## Hourly Averages

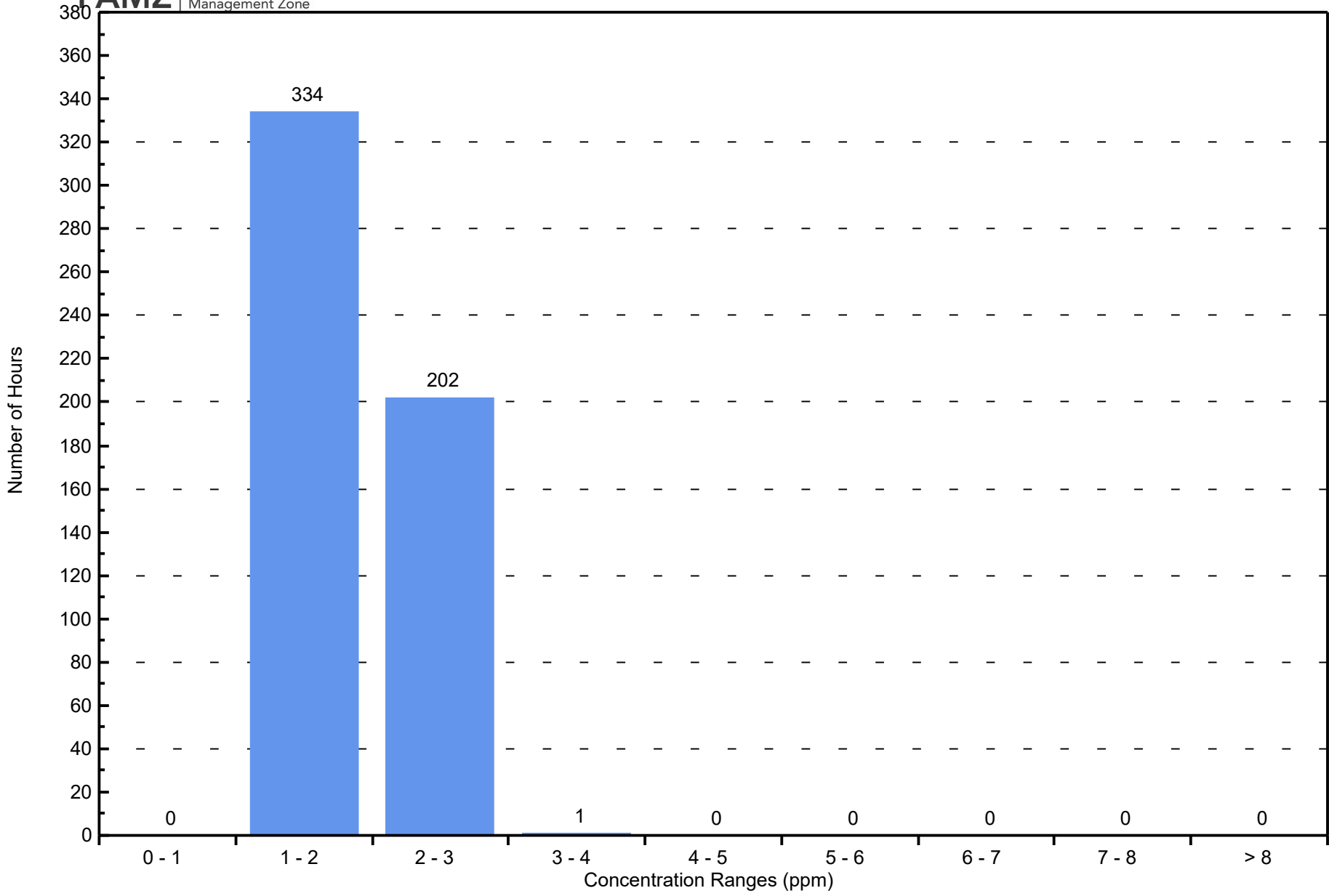
**Total Hydrocarbons (THC) - ppm**  
**Eagle HillN - Feb 1, 2025 to Mar 1, 2025**





# Histogram of Hourly Averages

Total Hydrocarbons (THC) - ppm  
Eagle HillN - February 2025



# Hourly Averages

Methane (CH<sub>4</sub>) - ppm

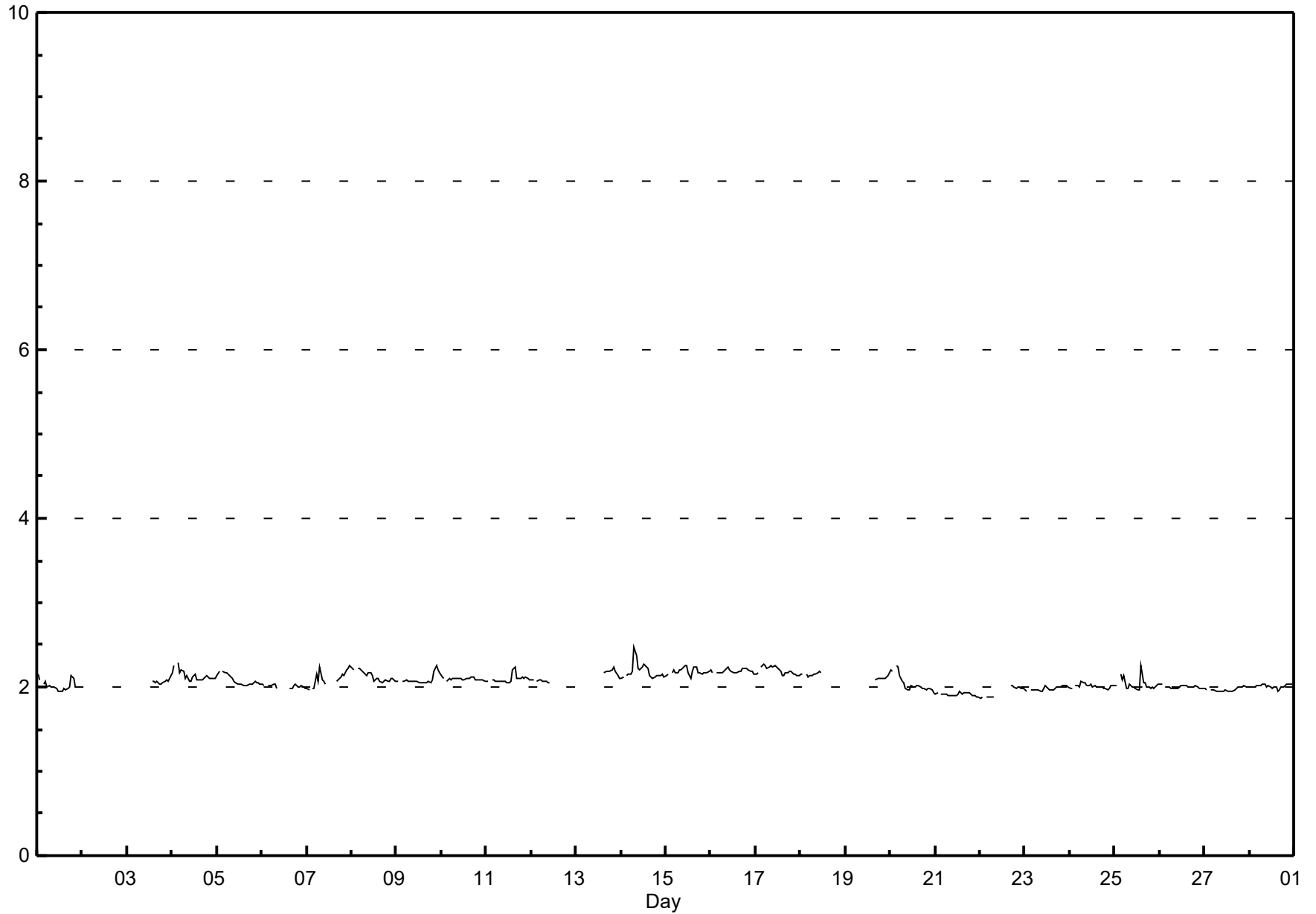
Eagle HillIN - Feb 1, 2025 to Mar 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 672
Maximum Value: 2.47 ppm on Feb 14 08:00	Maximum Daily Average: 2.20 ppm on Feb 17
Minimum Value: 1.9 ppm on Feb 22 01:00	Hours of Data: 537
Maximum Diurnal Average: 2.09 ppm at hour 4	Hours of Missing Data: 135
Monthly Average: 2.071 ppm	Hours of Calibration: 40
Minimum Daily Average: 1.91 ppm on Feb 21	Percent Operational Time: 85.9
Minimum Diurnal Average: 2.06 ppm at hour 13	
Percentiles: P <sub>1</sub> = 1.88 P <sub>10</sub> = 1.96 Q <sub>1</sub> = 2.00 Median = 2.07 Q <sub>3</sub> = 2.14 P <sub>90</sub> = 2.20 P <sub>99</sub> = 2.26	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																										
1-Feb	2.2	2.1	A	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	N	N	N		2.02	2.15																								
2-Feb	N	N	N	N	N	N	N	N	N	N	N	N	N	N	P	P	P	P	P	P	P	P	P	P		--	--																							
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1		--	2.13																							
4-Feb	2.2	2.3	A	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.13	2.29																							
5-Feb	2.1	2.2	A	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0		2.08	2.19																							
6-Feb	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	C	C	C	C	C	C	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		--	2.04																							
7-Feb	2.0	2.0	A	2.0	2.0	2.2	2.1	2.2	2.1	2.1	2.0	C	C	C	C	C	2.1	2.1	2.1	2.2	2.1	2.2	2.2	2.3		2.10	2.25																							
8-Feb	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.13	2.23																							
9-Feb	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2		2.09	2.25																							
10-Feb	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.09	2.13																							
11-Feb	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.09	2.24																							
12-Feb	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	N	N	N	N	N	N	N	N	N	N	N	N	N		--	2.08																							
13-Feb	N	N	N	N	N	N	N	N	N	N	N	2.2	M	2.2	M	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1		--	2.23																							
14-Feb	2.1	2.1	A	2.1	2.1	2.2	2.2	2.5	2.4	2.2	2.2	2.2	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.18	2.47																							
15-Feb	2.1	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2		2.19	2.26																							
16-Feb	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2		2.19	2.24																							
17-Feb	2.2	2.2	A	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1		2.20	2.27																							
18-Feb	2.1	2.1	A	2.2	2.1	2.1	2.1	2.1	2.2	2.2	2.2	N	N	N	N	N	N	N	N	N	N	N	N	N		--	2.18																							
19-Feb	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2.1	M	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1		--	2.13																							
20-Feb	2.2	2.2	A	2.3	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.04	2.25																							
21-Feb	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9		1.91	1.95																							
22-Feb	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	M	M	1.9	C	C	C	C	C	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		--	2.02																							
23-Feb	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		1.98	2.02																							
24-Feb	2.0	2.0	A	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.01	2.06																							
25-Feb	2.0	2.0	A	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.03	2.26																							
26-Feb	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.00	2.04																							
27-Feb	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		1.97	2.01																							
28-Feb	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.01	2.04																							
																								2.07	2.07	--	2.09	2.08	2.08	2.07	2.08	2.08	2.07	2.06	2.08	2.06	2.06	2.08	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.08	2.07	2.07		Diurnal Average
																								2.22	2.26	--	2.29	2.27	2.26	2.22	2.47	2.37	2.24	2.26	2.25	2.26	2.25	2.26	2.24	2.23	2.21	2.22	2.22	2.23	2.25	2.23	2.25		Diurnal Maximum	
C - Calibration																								P - Power Failure				M - Maintenance				N - Not Valid				A - Automated Daily Zero Span														

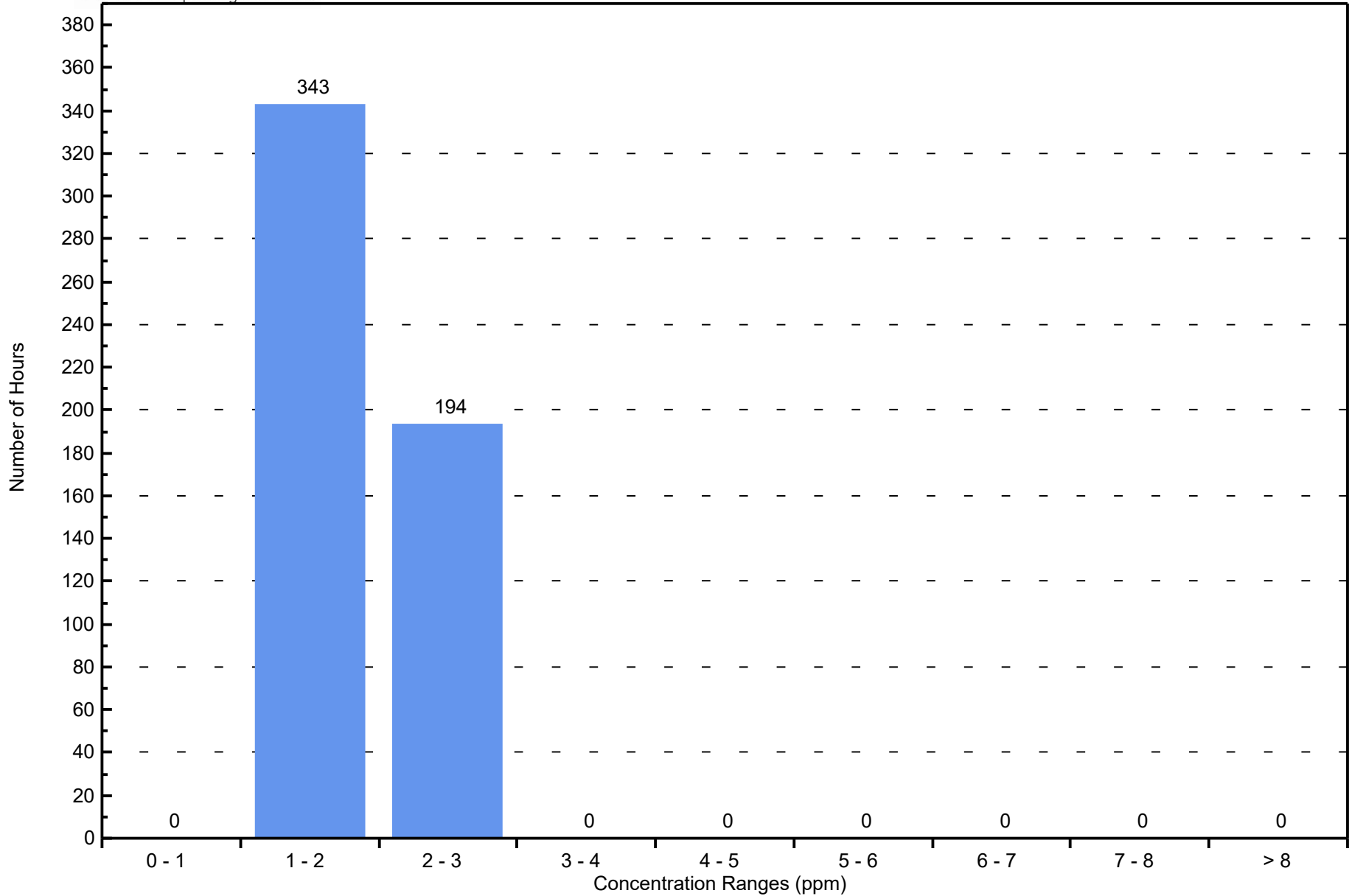
# Hourly Averages

**Methane (CH<sub>4</sub>) - ppm**  
**Eagle HillN - Feb 1, 2025 to Mar 1, 2025**



# Histogram of Hourly Averages

Methane (CH<sub>4</sub>) - ppm  
Eagle HillN - February 2025



# Hourly Averages

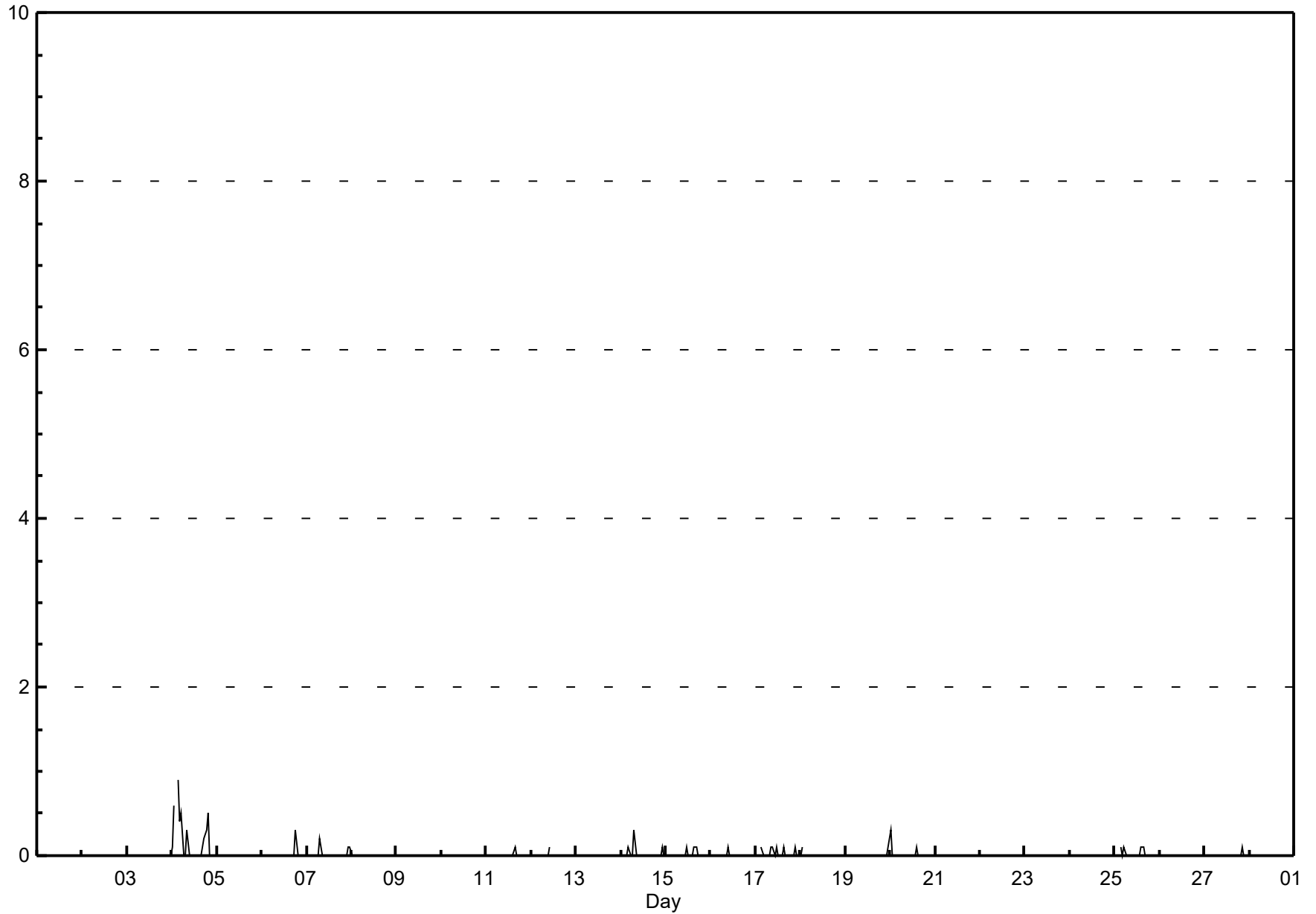
## Non Methane Hydrocarbon (NMHC) - ppm

### Eagle HillN - Feb 1, 2025 to Mar 1, 2025

Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0 Maximum Value: 0.90 ppm on Feb 4 04:00      Maximum Daily Average: 0.17 ppm on Feb 4		Hours in Service: 672 Hours of Data: 537 Hours of Missing Data: 135 Hours of Calibration: 40 Percent Operational Time: 85.9																																															
Minimum Value: 0.0 ppm on Feb 1 01:00 Maximum Diurnal Average: 0.05 ppm at hour 4 Monthly Average: 0.014 ppm		Minimum Daily Average: 0.00 ppm on Feb 1 Minimum Diurnal Average: 0.00 ppm at hour 7 Percentiles: P <sub>1</sub> = 0.00 P <sub>10</sub> = 0.00 Q <sub>1</sub> = 0.00 Median = 0.00 Q <sub>3</sub> = 0.00 P <sub>90</sub> = 0.00 P <sub>99</sub> = 0.30																																															
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N	N	N	0.00	0.00																							
2-Feb	N	N	N	N	N	N	N	N	N	N	N	N	N	N	P	P	P	P	P	P	P	P	P	P	P	--	--																						
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.00																						
4-Feb	0.1	0.6	A	0.9	0.4	0.5	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.0	0.0	0.0	0.0	0.17	0.90																							
5-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
6-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	C	C	C	C	C	C	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	--	0.30																							
7-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.2	0.0	0.0	C	C	C	C	C	C	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.02	0.20																							
8-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
9-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
10-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
11-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																							
12-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	N	N	N	N	N	N	N	N	N	N	N	N	N	--	0.10																							
13-Feb	N	N	N	N	N	N	N	N	N	N	N	0.0	M	0.0	M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.00																							
14-Feb	0.0	0.0	A	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.02	0.30																							
15-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10																							
16-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																							
17-Feb	0.0	0.0	A	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.03	0.10																							
18-Feb	0.0	0.1	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N	N	N	N	N	N	N	N	N	N	N	N	--	0.10																							
19-Feb	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0	M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	--	0.10																							
20-Feb	0.3	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.30																							
21-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
22-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	M	M	0.0	C	C	C	C	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.00																							
23-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
24-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
25-Feb	0.0	0.0	A	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.10																							
26-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
27-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.00	0.10																							
28-Feb	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																							
																								0.02	0.03	--	0.05	0.02	0.03	0.00	0.02	0.02	0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.01	0.01	0.02	0.02	0.00	0.00	0.01	0.01	Diurnal Average	
																								0.30	0.60	--	0.90	0.40	0.50	0.00	0.30	0.30	0.10	0.10	0.10	0.00	0.00	0.10	0.10	0.10	0.20	0.30	0.50	0.10	0.10	0.10	0.10	Diurnal Maximum	
C - Calibration			P - Power Failure					M - Maintenance					N - Not Valid					A - Automated Daily Zero Span																															

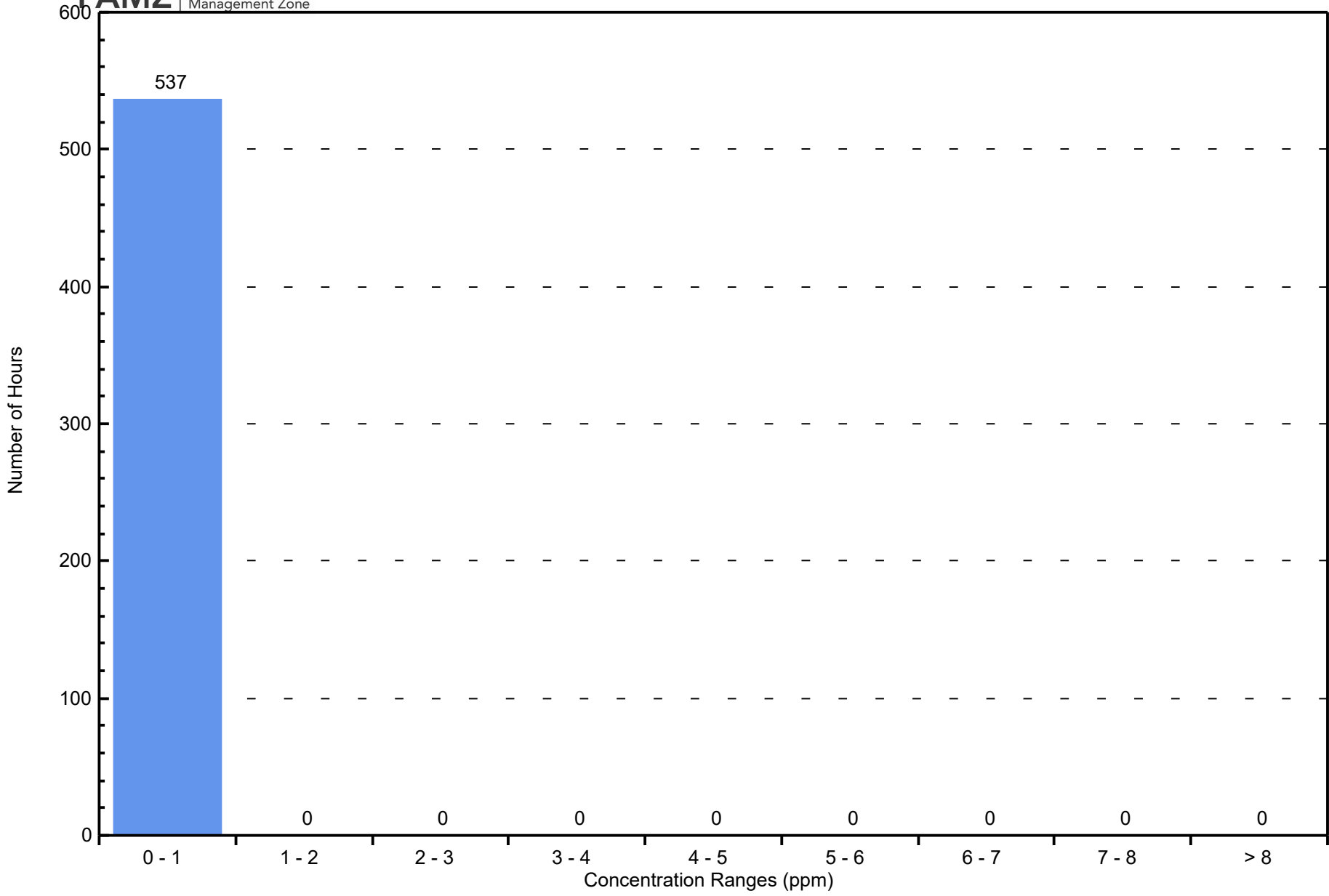
# Hourly Averages

## Non Methane Hydrocarbon (NMHC) - ppm Eagle HillIN - Feb 1, 2025 to Mar 1, 2025





# Non Methane Hydrocarbon (NMHC) - ppm Histogram of Hourly Averages Eagle HillIN - February 2025



# Hourly Averages

**Wind Speed (km/h)**  
**Wind Direction (deg)**  
**Eagle HillN - Feb 1, 2025 to Mar 1, 2025**

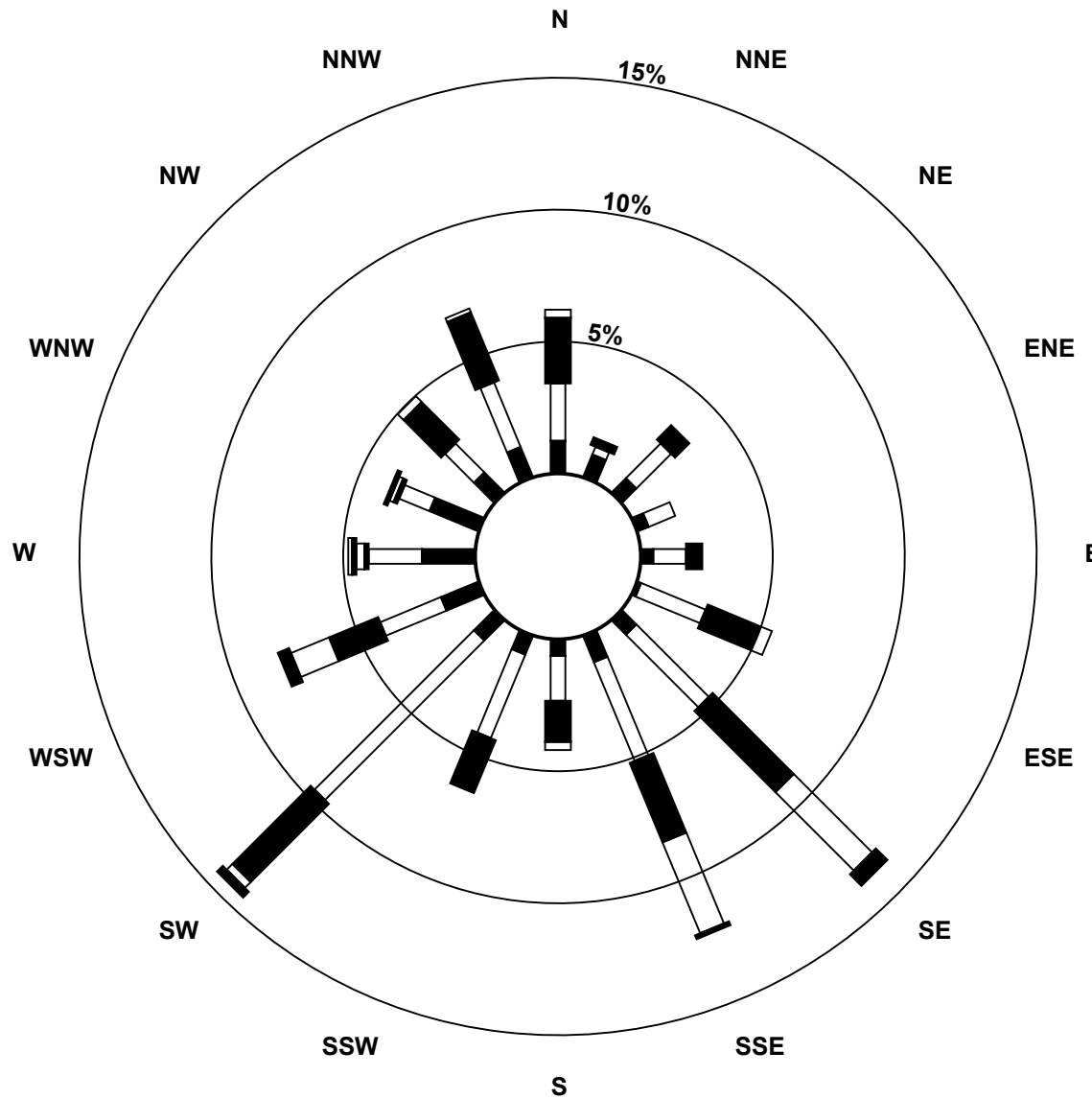
Maximum Speed: 43 km/h on Feb 27 10:00	Maximum Daily Speed Average: 22 km/h on Feb 17	Hours in Service: 672
Minimum Speed Value: 0 km/h on Feb 26 12:00	Minimum Daily Speed Average: 2 km/h on Feb 15	Hours of Data: 647
Maximum Diurnal Speed Average: 8 km/h at hour 20	Minimum Diurnal Speed Average: 1 km/h at hour 14	Hours of Missing Data: 25
Monthly Average Velocity: 3.8 km/h 184.8 deg	Percentiles: P <sub>1</sub> = 1.6 P <sub>10</sub> = 4.4 Q <sub>1</sub> = 6.6 Median = 10.2 Q <sub>3</sub> = 14.8 P <sub>90</sub> = 21.5 P <sub>99</sub> = 30.3	Percent Operational Time: 96.3

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Feb	6NE	5NE	5NNE	4NNE	7NNE	13N	13NNW	16N	15NNW	17NNW	12NNW	15NNW	15NNW	14NNW	15N	12NNW	12N	10NNW	5NNW	7NNW	7N	12N	12N	14N	11N	17NNW
2-Feb	12N	11N	11N	11NNW	12NNW	13NNW	15NNW	11NNW	13NNW	13NW	14NW	16NW	16NW	P	P	P	P	P	P	P	P	P	P	P	----	16NW
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	10E	10ENE	11ENE	12E	11ESE	6ESE	6SSE	6SE	4SE	3ESE	2NNE	----	12E
4-Feb	3NE	2ENE	1NNE	3NNW	3NNE	5NE	7NE	4N	5N	6N	7N	5NNW	5NW	7N	7N	7NE	9ENE	8ENE	4ENE	N	2W	2WSW	3WSW	4WSW	3NNE	9ENE
5-Feb	4WSW	5W	4WNW	4WNW	4WNW	4WNW	3WNW	4NW	5NNW	6NNW	7NNW	9NW	6NNW	4NNE	6N	9N	3WNW	3SSW	6SSW	9SW	7SW	8SW	9WSW	10WSW	4WNW	10WSW
6-Feb	10WSW	9W	8WSW	10WSW	8WSW	8W	8W	9W	12NW	16NW	16NW	14NW	13NNW	14NNW	11NNW	10NNW	9NNW	5N	2E	4SE	6SE	9SSW	9SSW	9SSW	6WNW	16NW
7-Feb	10SSW	9SSW	11SSW	10SSW	8SSW	2SW	2SW	4NE	7ESE	9SE	9SE	14SE	17SE	20SE	23SE	24SE	21SE	21SE	20SSE	16SSE	11SSE	2WNW	5NW	6WNW	9SSE	24SE
8-Feb	6W	6WNW	5WNW	5W	5W	6W	5W	6WSW	4W	6W	7W	6WNW	15NNW	12N	14N	12N	10N	6NW	5WNW	8WSW	8WSW	8W	8W	8WNW	6WNW	15NNW
9-Feb	8WNW	8NW	10NNW	13NNW	15N	16NNE	17N	14N	9NNW	8N	7NW	7NW	10WNW	15NW	14NW	15NNW	20NW	13NW	12NW	11NW	17NNE	17NE	17NE	12NE	11NNW	20NW
10-Feb	7NE	5E	3SSE	8SW	9SW	7SW	7WSW	8SW	9SW	10SW	11SW	9SW	6WSW	4SSE	7SSE	11SSE	14SSE	12S	13S	9SSW	10SW	13SW	12SW	10SW	7SSW	14SSE
11-Feb	9SW	9SW	8SW	6NW	8NW	8WNW	5NW	9NW	21NNW	19NNW	20N	23N	22N	16N	14NE	11NE	8ENE	6ESE	7SSE	11SSE	9S	11SSE	10S	9SSW	4NNW	23N
12-Feb	9SW	7SW	8SW	9SW	6SW	9SW	10SW	8SW	9SW	10SW	9SSW	8SSW	10SW	7SSW	4SW	1SSE	5E	7SSE	6SSE	4SE	3SSW	2N	4SW	5W	6SSW	10SW
13-Feb	6N	8N	8NNW	4WNW	5NNW	5N	6E	6ESE	10SE	14SE	12SE	11SE	14SE	13ESE	14ESE	18ESE	16ESE	16ESE	17ESE	18ESE	15ESE	12ESE	14E	16ESE	9ESE	18ESE
14-Feb	13ESE	11ESE	12E	12E	10E	7E	6ENE	8NE	9NE	7ENE	7ESE	9SE	9SE	11ESE	12ESE	11ESE	13SE	13ESE	10ESE	9SE	10SE	9SE	8SSE	9SSE	9ESE	13SE
15-Feb	8SE	8SSE	7SSE	5S	6SW	7SW	8SW	6SW	6SW	5WSW	4W	5N	8N	10NNE	11NE	7NE	6NE	4ENE	4S	6SSW	4S	4S	6S	7S	2S	11NE
16-Feb	6SSE	8SE	6SE	8SSE	13SSE	12SSE	9SSE	13SSE	15SE	14SE	19SE	21SE	21SSE	21SE	19SE	21ESE	22SE	22SE	21SE	20SE	20SE	20SSE	23SSE	23SSE	16SE	23SSE
17-Feb	22SSE	21SSE	23SSE	22SSE	20SE	22SSE	22SSE	22SSE	24SSE	27SSE	22SE	24SE	25SE	23SE	24SE	22SE	26ESE	26ESE	26SE	23SE	20SE	22SE	20SE	13SE	22SE	27SSE
18-Feb	11ESE	13SE	11ESE	7ESE	10SE	8SSE	8SSE	9SSE	14SE	16SSE	16SSE	19SE	19SE	23SE	29SE	29SE	27SE	27SE	31SE	26SE	24SSE	23SSE	24SSE	26SSE	19SE	31SE
19-Feb	29SE	29SSE	28SSE	25SSE	24SSE	18SSE	16SSE	15SSE	8S	6SE	8SE	8ESE	12SE	16SE	18SE	18SE	14SE	15SE	13SE	10SE	5SSE	6SSE	3S	1NNW	14SE	29SSE
20-Feb	2NW	4WNW	6NW	8W	12WSW	12SW	11SW	10SW	11SSW	11SW	11SW	5WSW	2SW	3SE	8SE	12SE	17SSE	13SE	16SE	13SSE	7SW	9SW	11SW	8SSW	6SSW	17SSE
21-Feb	11SW	13SW	13SW	12SW	12SW	14SW	14SW	13SW	15SW	15SW	14SW	15SW	17WSW	13WSW	6W	3SW	3SSE	5SSE	9SE	13S	14SSW	12SSW	14SSW	15SSW	11SW	17WSW
22-Feb	15SSW	15SSW	13SSW	11SW	13SSW	18SW	13SW	11SW	11SW	13SW	10SW	1W	13SW	17WSW	16WSW	14WSW	7SSW	12S	15SSW	20S	26S	26SSE	17SSE	17WSW	13SSW	26S
23-Feb	24W	27WSW	32WSW	37SW	28SW	31SW	21WSW	25WSW	24WSW	20WSW	3NNW	6NE	11NNW	12W	30WSW	28WSW	26WSW	21WSW	18WSW	15SW	14SW	15SW	12SW	8SW	19WSW	37SW
24-Feb	7SW	13SW	8SW	10SW	8SSW	7SW	2WSW	5SE	8SE	7SSE	6S	7WSW	4W	3WSW	16W	25WSW	19WSW	16WSW	12WSW	8SSW	9WSW	4SW	2W	2NW	7SW	25WSW
25-Feb	7WSW	6WSW	4W	1NNW	1S	3N	3WSW	5SSW	5WSW	6WSW	7SW	6W	8WNW	3NW	14NE	10E	6ESE	8SE	8SSE	8S	13S	11S	8SW	11SW	3SSW	14NE
26-Feb	12SW	13SW	13SW	12SW	11SW	12SW	12SSW	12SSW	12SSW	10SW	8SW	0WSW	3NE	9E	8E	7ESE	9SE	9SE	10SSE	10SSE	8SSW	12S	15S	17SSE	8S	17SSE
27-Feb	17S	19S	18SSE	17S	19SSW	19SSW	22SW	31WSW	26WSW	43W	31W	22W	18WNNW	29WNNW	22WNNW	21NW	15NW	10NNW	5NNW	11NNW	5N	6NNW	5WNNW	5WNNW	12WSW	43W
28-Feb	4W	7SSW	4SSW	6S	3SSW	6S	11S	13SSE	13SSE	18SSE	14SSE	6SSE	6SE	6NE	11E	11ESE	13SE	16SE	18SE	20SE	16SSE	14SE	11SSE	13SSE	9SSE	20SE
																								Diurnal Average		
																								Diurnal Maximum		

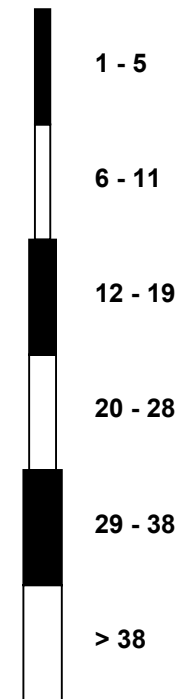
P - Power Failure      N - Not Valid  
All monthly, daily, and diurnal averages have been calculated using vector methods

# Wind Rose

**Wind Speed (WS) (km/h)**  
**Eagle HillN - Feb 1, 2025 to Mar 1, 2025**



## Wind Speed Classes (km/h)



# Hourly Standard Deviations

Wind Direction (WD) - deg

Eagle HillN - Feb 1, 2025 to Mar 1, 2025

Maximum Value: 89.1 deg on Feb 25 05:00																		Hours in Service: 672							
Minimum Value: 2.1 deg on Feb 18 18:00																		Hours of Data: 647							
Percentiles: P <sub>1</sub> = 2.5 P <sub>10</sub> = 4.0 Q <sub>1</sub> = 5.6 Median = 8.3 Q <sub>3</sub> = 12.9 P <sub>90</sub> = 24.8 P <sub>99</sub> = 71.3																		Hours of Missing Data: 25							
																		Hours of Calibration: 0							
																		Percent Operational Time: 96.3							
Day	Hourly Period Ending At (MST)																								Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1-Feb	11	11	7	17	18	7	10	6	7	7	7	11	11	7	7	10	7	9	10	9	13	5	12	8	18.1
2-Feb	8	7	12	8	5	7	9	7	7	7	11	9	9	P	P	P	P	P	P	P	P	P	P	P	11.8
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	7	10	7	9	8	9	9	6	8	11	30	29.8
4-Feb	17	24	58	23	17	21	13	25	14	9	11	30	26	13	12	12	4	3	19	N	11	53	8	9	58.1
5-Feb	14	6	9	15	17	18	17	12	10	14	9	11	12	20	10	8	31	20	9	5	8	5	4	6	31.4
6-Feb	7	8	6	6	9	20	9	8	12	7	8	9	7	15	13	11	10	12	38	9	19	9	9	6	38.4
7-Feb	7	7	5	6	8	67	48	15	25	7	12	4	4	4	4	3	2	2	3	4	39	45	8	19	66.8
8-Feb	5	16	11	10	8	10	10	7	12	9	11	13	8	10	7	13	5	18	8	9	5	8	7	12	18.0
9-Feb	10	10	7	10	18	8	10	6	8	11	17	20	11	20	10	9	7	9	6	7	41	6	10	10	41.1
10-Feb	19	10	26	7	7	12	13	7	5	5	5	4	20	63	8	7	5	6	5	10	4	7	7	5	63.3
11-Feb	10	9	8	27	10	10	8	12	6	10	8	6	7	10	17	8	14	21	13	11	8	18	11	6	26.8
12-Feb	6	6	10	7	9	5	7	9	7	7	7	9	8	15	32	65	14	21	12	12	27	76	20	23	75.6
13-Feb	36	8	13	15	14	31	9	11	11	6	5	14	9	14	5	5	4	5	6	4	4	6	4	5	35.8
14-Feb	5	8	6	6	5	10	9	8	7	9	19	6	6	14	11	7	6	4	4	5	4	5	18	6	19.3
15-Feb	7	8	8	21	13	8	6	5	7	8	29	14	22	11	6	10	8	20	29	7	12	9	11	6	28.8
16-Feb	14	6	28	10	7	8	3	6	4	4	3	7	4	5	5	4	3	4	3	5	4	6	3	4	28.3
17-Feb	3	3	4	4	4	4	3	3	4	6	5	3	3	3	3	7	4	2	6	4	5	4	5	5	7.0
18-Feb	4	4	6	18	9	9	13	12	4	6	5	7	8	4	3	3	2	3	3	4	3	5	4	3	18.0
19-Feb	3	3	3	3	2	5	6	5	6	22	7	10	6	6	5	6	5	4	5	8	12	10	69	81	80.9
20-Feb	35	23	13	13	6	4	9	9	11	15	4	13	34	39	11	8	5	7	8	30	15	6	8	10	39.4
21-Feb	7	6	5	3	6	7	4	8	5	6	10	5	13	6	10	51	65	19	17	24	6	10	9	6	65.2
22-Feb	4	5	5	5	4	5	7	6	14	6	36	78	17	12	5	6	27	10	9	8	5	10	15	13	78.3
23-Feb	4	6	4	5	4	4	9	5	4	6	68	27	27	38	5	5	5	5	3	7	6	7	9	9	68.4
24-Feb	41	6	10	7	16	16	64	30	12	13	29	9	30	87	12	6	4	4	8	29	16	58	54	61	86.6
25-Feb	24	9	17	74	89	29	50	41	41	7	9	32	12	64	6	12	21	12	8	9	6	18	9	4	89.1
26-Feb	7	5	6	4	7	4	8	8	6	6	6	84	69	12	14	26	6	7	9	8	7	6	6	6	84.5
27-Feb	6	10	13	6	20	11	17	17	26	5	4	23	11	6	7	11	14	11	34	9	16	25	11	16	33.9
28-Feb	23	10	20	15	37	18	7	4	6	4	4	18	13	22	12	18	5	4	3	3	8	4	8	9	36.9
40.6 23.5 58.1 73.6 89.1 66.8 64.0 40.7 41.1 22.4 68.4 84.5 68.5 86.6 31.5 65.2 65.2 20.9 38.4 30.5 41.1 75.6 68.6 80.9																									
P - Power Failure N - Not Valid																									

# Hourly Averages

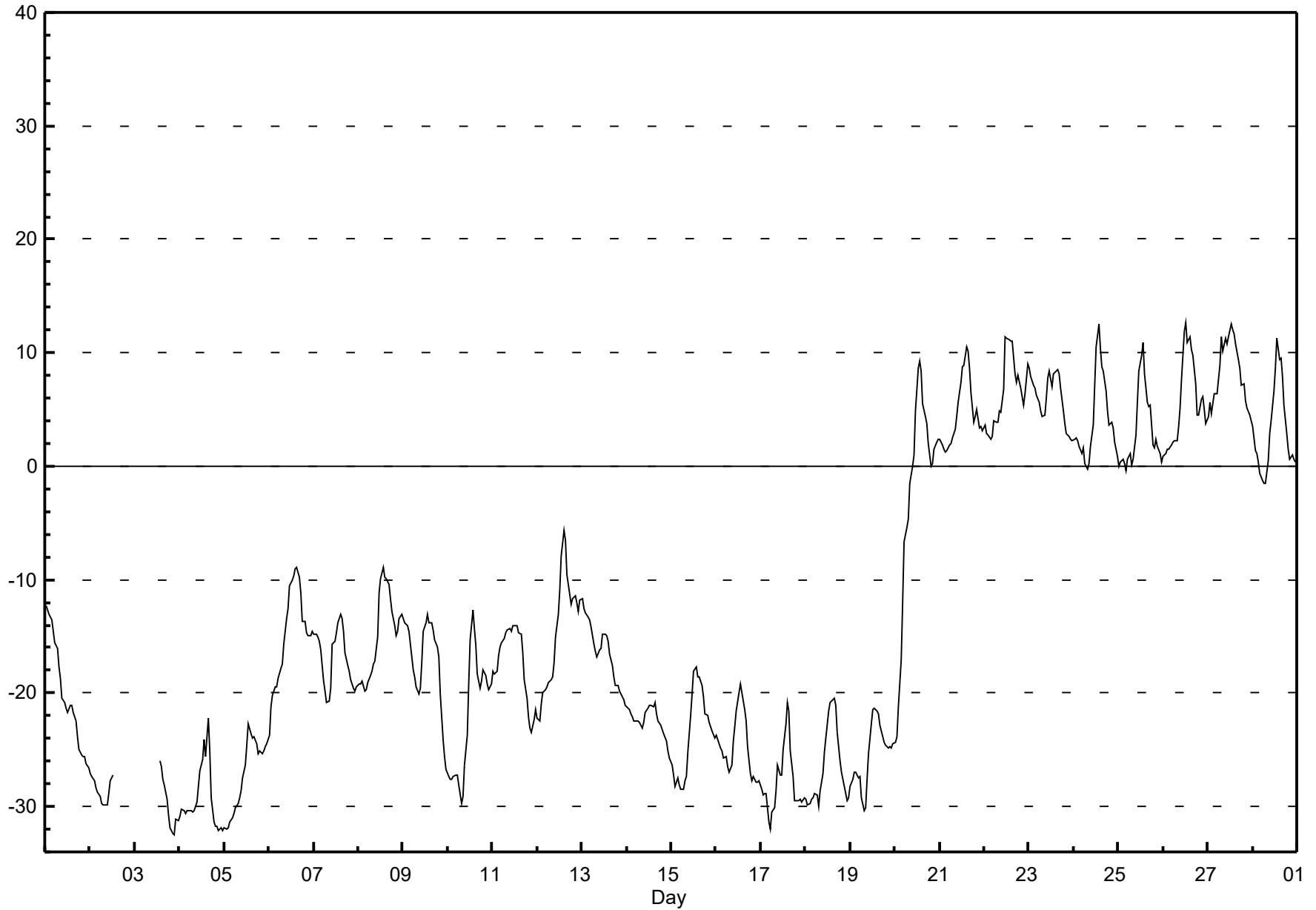
External Temperature (ET) - °C

Eagle HillN - Feb 1, 2025 to Mar 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 12.7 °C on Feb 26 13:00      Maximum Daily Average: 8.2 °C on Feb 27		Hours in Service: 672 Hours of Data: 648 Hours of Missing Data: 24 Hours of Calibration: 0 Percent Operational Time: 96.4																								
Minimum Value: -32 °C on Feb 3 22:00 Maximum Diurnal Average: -8.0 °C at hour 14 Monthly Average: -13.02 °C		Minimum Daily Average: -29.2 °C on Feb 4 Minimum Diurnal Average: -15.3 °C at hour 8 Percentiles: P <sub>1</sub> = -31.9 P <sub>10</sub> = -28.8 Q <sub>1</sub> = -24.5 Median = -17.0 Q <sub>3</sub> = 1.7 P <sub>90</sub> = 6.9 P <sub>99</sub> = 11.4																								
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Feb	-12	-13	-13	-14	-15	-16	-16	-18	-19	-21	-21	-21	-22	-21	-21	-22	-22	-24	-25	-25	-26	-26	-26	-27	-20.1	-12.3
2-Feb	-27	-27	-28	-28	-29	-29	-30	-30	-30	-30	-29	-28	-27	P	P	P	P	P	P	P	P	P	P	P	--	-27.0
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	-26	-26	-28	-28	-29	-31	-32	-32	-32	-31	-31	--	-25.9
4-Feb	-31	-30	-30	-31	-30	-30	-30	-30	-30	-30	-28	-27	-26	-24	-26	-22	-25	-29	-31	-32	-32	-32	-32	-32	-29.2	-22.2
5-Feb	-32	-32	-32	-31	-31	-31	-30	-30	-29	-29	-27	-26	-25	-23	-24	-24	-24	-24	-25	-25	-25	-25	-25	-25	-27.2	-22.7
6-Feb	-24	-21	-20	-19	-19	-19	-18	-17	-16	-13	-13	-11	-10	-10	-9	-9	-10	-11	-14	-14	-15	-15	-15	-15	-14.8	-8.9
7-Feb	-15	-15	-15	-15	-16	-19	-20	-21	-21	-20	-16	-15	-15	-14	-13	-13	-15	-16	-18	-18	-19	-20	-20	-19	-16.9	-13.0
8-Feb	-19	-19	-19	-20	-20	-19	-18	-18	-17	-17	-15	-11	-10	-9	-10	-10	-10	-12	-13	-14	-15	-15	-13	-13	-14.9	-8.9
9-Feb	-13	-14	-14	-15	-16	-18	-19	-19	-20	-20	-17	-15	-14	-13	-14	-14	-14	-15	-16	-17	-20	-24	-26	-27	-17.2	-13.1
10-Feb	-27	-28	-28	-27	-27	-27	-28	-30	-29	-26	-24	-19	-15	-13	-14	-16	-18	-20	-19	-18	-18	-19	-20	-19	-22.1	-12.7
11-Feb	-18	-18	-18	-17	-16	-16	-15	-15	-14	-14	-15	-14	-14	-14	-15	-15	-16	-19	-20	-22	-23	-23	-22	-21	-17.3	-14.0
12-Feb	-22	-22	-21	-20	-20	-19	-19	-19	-19	-17	-15	-13	-11	-8	-6	-7	-10	-11	-12	-12	-11	-12	-13	-12	-14.6	-5.7
13-Feb	-12	-13	-13	-13	-14	-14	-16	-16	-17	-16	-16	-15	-15	-15	-15	-17	-18	-19	-19	-19	-20	-20	-21	-21	-16.3	-11.6
14-Feb	-21	-21	-22	-22	-22	-23	-22	-23	-23	-23	-22	-21	-21	-21	-21	-21	-22	-22	-23	-23	-24	-24	-25	-26	-22.4	-20.8
15-Feb	-26	-27	-28	-27	-28	-29	-28	-28	-27	-25	-22	-20	-18	-18	-19	-19	-19	-20	-22	-22	-23	-23	-23	-24	-23.6	-17.7
16-Feb	-24	-24	-25	-25	-26	-26	-26	-27	-26	-24	-23	-22	-20	-19	-20	-21	-23	-25	-27	-28	-27	-28	-28	-28	-24.6	-19.2
17-Feb	-28	-29	-29	-29	-31	-32	-30	-30	-29	-26	-27	-27	-25	-23	-21	-22	-25	-27	-30	-30	-29	-29	-30	-29	-27.8	-20.8
18-Feb	-29	-30	-30	-29	-29	-29	-29	-30	-29	-27	-25	-24	-22	-21	-21	-21	-21	-23	-26	-27	-28	-28	-30	-29	-26.5	-20.5
19-Feb	-28	-28	-27	-27	-28	-27	-29	-30	-30	-28	-25	-23	-22	-21	-22	-22	-23	-24	-24	-25	-25	-25	-24	-24	-25.5	-21.3
20-Feb	-24	-24	-21	-17	-12	-7	-5	-5	-1	0	1	5	9	9	8	5	4	4	2	0	0	1	2	2	-2.6	9.3
21-Feb	2	2	2	1	1	2	2	3	3	4	6	7	9	9	11	10	9	6	4	4	5	3	3	3	4.7	10.6
22-Feb	4	3	3	2	3	4	4	4	5	5	7	11	11	11	11	11	8	7	8	7	6	5	6	9	6.5	11.4
23-Feb	9	8	7	7	6	6	5	4	5	6	8	8	7	8	8	9	8	7	5	4	3	3	2	2	6.0	8.6
24-Feb	2	3	2	2	1	2	0	0	0	2	4	7	10	12	10	9	8	7	5	4	4	3	2	1	4.2	12.5
25-Feb	0	0	1	0	0	1	1	0	1	3	6	8	10	11	8	6	5	5	2	2	2	2	1	0	3.1	10.9
26-Feb	1	1	2	1	2	2	2	2	3	5	8	12	13	11	11	10	10	7	5	5	6	6	5	4	5.6	12.7
27-Feb	4	6	5	6	6	6	9	11	10	11	11	11	13	12	12	11	9	9	7	7	6	5	4	4	8.2	12.5
28-Feb	4	1	1	0	-1	-1	-2	-1	0	3	4	7	9	11	9	10	8	5	3	1	1	1	1	0	3.1	11.3
																								Diurnal Average		
																								Diurnal Maximum		
P - Power Failure																										

# Hourly Averages

External Temperature (ET) - °C  
Eagle HillN - Feb 1, 2025 to Mar 1, 2025



# Hourly Averages

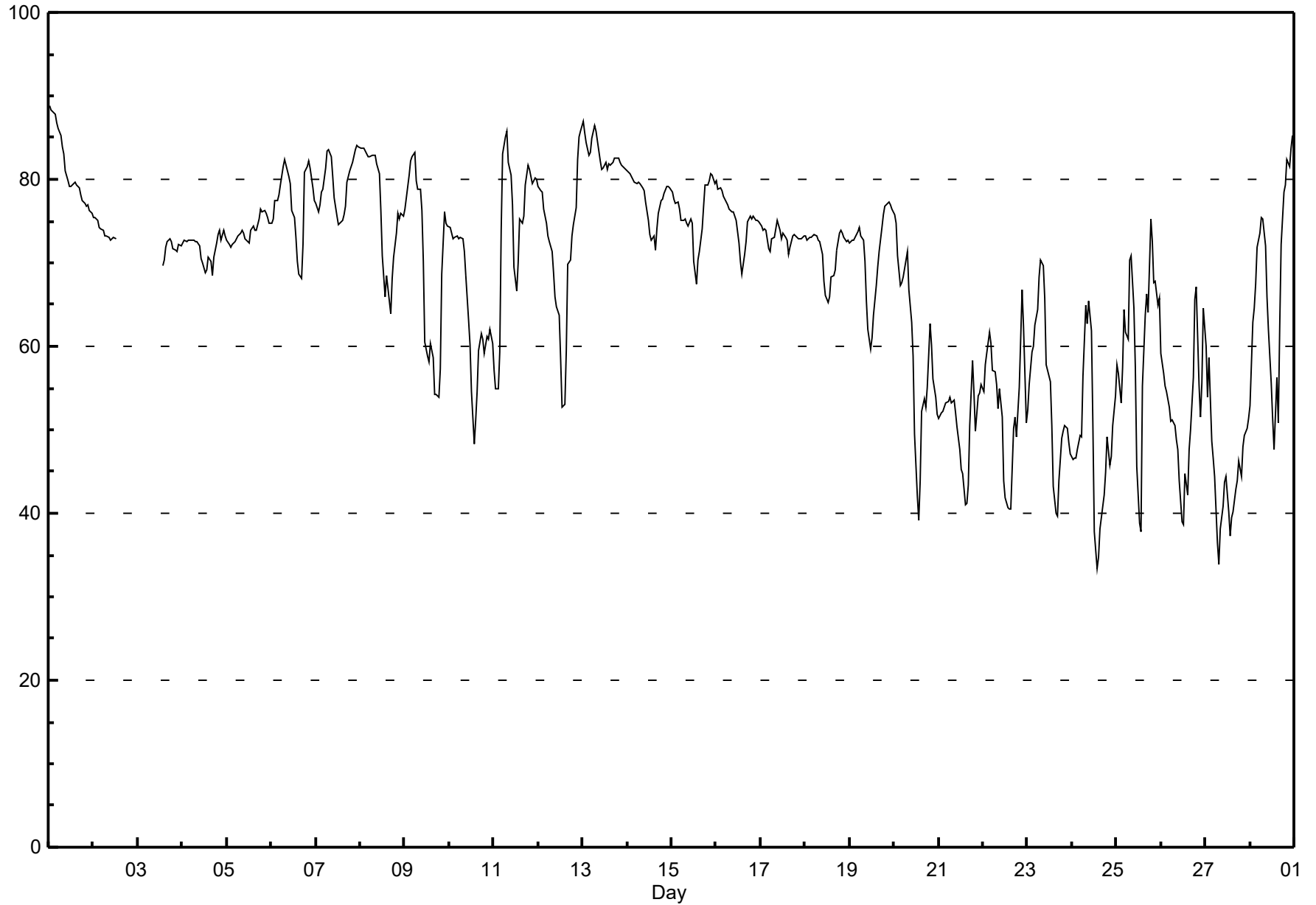
Relative Humidity (RH) - %

Eagle HillN - Feb 1, 2025 to Mar 1, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0 Maximum Value: 88.9 % on Feb 1 01:00      Maximum Daily Average: 83.0 % on Feb 13		Hours in Service: 672 Hours of Data: 648 Hours of Missing Data: 24 Hours of Calibration: 0 Percent Operational Time: 96.4																																															
Minimum Value: 33 % on Feb 24 14:00 Maximum Diurnal Average: 71.9 % at hour 8 Monthly Average: 67.89 %		Minimum Daily Average: 45.1 % on Feb 27 Minimum Diurnal Average: 59.5 % at hour 14 Percentiles: P <sub>1</sub> = 37.9 P <sub>10</sub> = 49.0 Q <sub>1</sub> = 58.7 Median = 72.6 Q <sub>3</sub> = 76.7 P <sub>90</sub> = 81.5 P <sub>99</sub> = 86.3																																															
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Feb	89	88	88	88	87	86	85	84	83	81	80	79	79	79	80	79	79	78	78	77	77	77	76	76	81.4	88.9																							
2-Feb	76	75	75	74	74	74	73	73	73	73	73	73	73	N	P	P	P	P	P	P	P	P	P	P	--	75.5																							
3-Feb	P	P	P	P	P	P	P	P	P	P	P	P	P	70	70	72	73	73	73	72	72	71	72	72	--	72.8																							
4-Feb	72	73	73	73	73	73	73	72	72	72	71	70	69	69	71	70	68	71	72	73	74	73	74	73	71.8	74.0																							
5-Feb	73	72	72	72	73	73	73	74	74	73	73	73	72	74	74	74	74	75	76	76	76	76	75	75	73.9	76.4																							
6-Feb	75	75	78	77	78	79	82	82	82	80	79	76	75	73	70	69	68	72	81	81	82	81	79	78	77.2	82.3																							
7-Feb	77	76	77	78	79	81	83	84	83	80	78	76	75	75	75	76	77	80	81	82	82	84	84	84	79.4	84.1																							
8-Feb	84	84	84	83	83	83	83	83	83	82	81	76	71	66	68	67	64	68	71	74	76	75	76	76	76.6	83.8																							
9-Feb	76	78	80	82	83	83	80	79	79	76	70	60	59	58	60	59	54	54	54	57	69	76	75	74	69.9	83.2																							
10-Feb	74	74	73	73	73	73	73	73	71	68	63	60	55	48	51	55	59	61	61	59	61	61	62	60	64.3	74.2																							
11-Feb	57	55	55	59	74	83	85	86	82	80	77	69	67	70	75	75	76	79	82	81	80	80	80	80	74.5	85.8																							
12-Feb	79	79	78	76	75	73	72	71	69	66	65	64	59	53	53	59	70	70	73	75	77	82	85	86	71.2	85.7																							
13-Feb	87	86	84	83	83	85	86	86	85	82	81	81	82	81	82	82	82	83	83	83	82	82	81	81	83.0	87.0																							
14-Feb	81	81	80	80	80	80	80	79	79	79	77	75	73	73	73	71	74	76	78	78	78	79	79	79	77.6	80.9																							
15-Feb	79	78	77	77	76	75	75	75	75	74	75	75	70	67	70	71	74	77	79	79	80	81	80	80	75.9	80.8																							
16-Feb	80	79	79	79	78	77	77	76	76	76	76	75	72	70	69	71	73	75	76	75	76	75	75	75	75.4	79.9																							
17-Feb	74	74	74	74	72	71	73	73	74	75	74	73	74	73	73	71	72	73	73	73	73	73	73	73	73.1	75.1																							
18-Feb	73	73	73	73	73	73	73	73	72	71	68	66	65	66	68	69	69	71	74	74	73	73	73	73	71.2	73.8																							
19-Feb	72	73	73	73	74	74	73	73	73	70	65	62	60	61	64	67	69	71	74	76	77	77	77	76	71.2	77.3																							
20-Feb	76	75	71	67	68	68	70	71	67	63	59	50	42	39	44	52	54	53	55	63	60	56	54	52	59.5	75.7																							
21-Feb	51	52	52	53	53	53	54	53	54	52	50	48	45	45	41	41	43	51	58	54	50	54	54	55	50.8	58.3																							
22-Feb	55	58	59	62	60	57	57	55	53	55	52	44	42	41	41	41	50	52	49	55	61	67	62	51	53.2	66.7																							
23-Feb	52	55	59	60	63	64	68	70	70	66	58	57	56	50	43	40	40	44	49	50	51	50	49	47	54.6	70.4																							
24-Feb	46	47	47	48	49	49	56	65	63	65	62	51	38	33	35	38	39	42	45	49	46	47	50	54	48.5	65.4																							
25-Feb	58	57	53	57	64	62	61	70	71	65	57	46	39	38	55	64	66	64	75	73	68	68	65	66	60.9	75.3																							
26-Feb	59	57	55	55	53	51	51	50	49	48	44	39	39	45	42	48	50	56	66	67	55	52	56	65	52.1	67.1																							
27-Feb	60	54	59	49	47	44	37	34	38	41	44	44	40	37	40	40	43	44	46	44	48	49	50	51	45.1	60.0																							
28-Feb	53	63	65	68	72	74	75	75	72	66	62	56	51	48	56	51	62	72	79	79	82	81	84	85	67.9	85.2																							
																								69.9	69.9	70.1	70.1	70.9	71.1	71.5	71.9	71.0	69.5	67.0	63.5	60.8	59.5	61.0	62.0	63.9	66.3	68.9	69.6	69.8	70.4	70.4	70.3	Diurnal Average	
																								88.9	88.3	88.1	87.8	86.7	86.2	86.5	85.8	84.6	82.2	81.2	81.3	82.0	81.1	81.8	81.7	82.1	82.5	82.6	82.6	82.3	83.5	85.1	85.7	Diurnal Maximum	
P - Power Failure      N - Not Valid																																																	

# Hourly Averages

Relative Humidity (RH) - %  
Eagle HillN - Feb 1, 2025 to Mar 1, 2025





End of Monthly Report



**PAMZ** | Parkland Airshed  
Management Zone

# Parkland Airshed Management Zone

**Eagle Hill Site**

**March 2025**

**Continuous Ambient Air Quality Monitoring Program  
Monthly Report**

**Operations and Maintenance:**



**AIR QUALITY MONITORING**

**Data Validation and Report:**

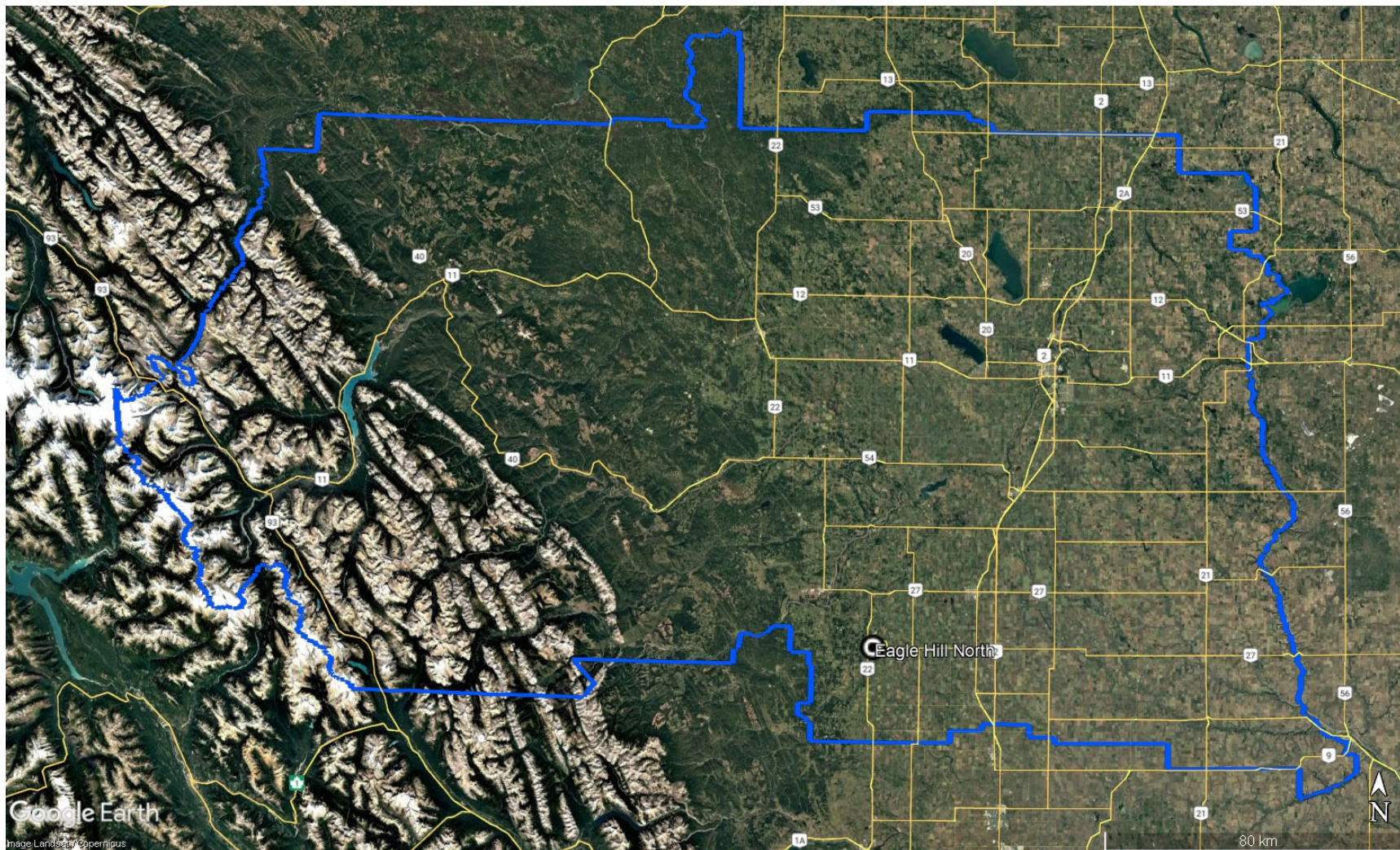


**Parkland AirShed Management Zone**  
Speciation Monitoring Program  
Eagle Hill North Site

2025 Ambient Air Monitoring Report

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**Eagle Hill Air Monitoring Station March 2025**

# Eagle Hill - Continuous Air Quality Monitoring Data Summary

Ambient Air Quality Data Summary for the Month of March 2025															
Parkland Airshed Management Zone						Maximum Recorded Values									
Pollutant (units)	Objectives			Station	Monthly Average	1-hr				24-hr		Exceedence			Operational Time (%)
	1-hr	24-hr	30-day			Conc	Day	WSPD (km/hr)	WDIR (Sector)	Conc	Day	1-hr	24-hr	30-day	
SO <sub>2</sub> (ppb)	172	48	11	Eagle Hill	0.1	1.2	Apr-01 10:00	5	NW	0.3	Mar-14	0	0	0	99.4%
TRS (ppb)	10	3	-	Eagle Hill	0.5	0.9	Mar-25 00:00	4	WNW	0.7	Mar-10	0	0	-	100.0%
NO <sub>2</sub> (ppb)	159	-	-	Eagle Hill	2.2	15.0	Mar-20 17:00	11	NW	4.2	Mar-01	-	-	-	98.6%
NO (ppb)	-	-	-	Eagle Hill	0.9	14.1	Mar-20 17:00	11	NW	2.0	Mar-20	-	-	-	98.6%
NO <sub>x</sub> (ppb)	-	-	-	Eagle Hill	3.1	29.2	Mar-20 17:00	11	NW	5.3	Mar-20	-	-	-	98.6%
O <sub>3</sub> (ppb)	76	-	-	Eagle Hill	34.8	87.2	Apr-06 18:00	25	SE	51.0	Apr-06	5	-	-	100.0%
THC (ppm)	-	-	-	Eagle Hill	2.0	2.5	Mar-20 17:00	11	NW	2.1	Mar-09	-	-	-	95.2%
CH <sub>4</sub> (ppm)	-	-	-	Eagle Hill	2.0	2.4	Mar-20 17:00	11	NW	2.1	Mar-15	-	-	-	95.2%
NMHC (ppm)	-	-	-	Eagle Hill	0.0	0.2	Mar-02 21:00	5	NW	0.0	Mar-18	-	-	-	95.2%
PM <sub>2.5</sub> (ug/m <sup>3</sup> )	80	29	-	Eagle Hill	5.4	35.2	Mar-17 23:00	11	N	11.5	Mar-29	0	0	-	94.6%
Temp (°C)	-	-	-	Eagle Hill	-0.8	18.5	Apr-06 16:00			10.4	Apr-06				97.2%
RH (%)	-	-	-	Eagle Hill	72.1	100.0	Mar-27 11:00			96.4	Mar-27				100.0%
WSPD v (km/hr)	-	-	-	Eagle Hill	3.4	34.0	Mar-09 13:00			19.0	Mar-30				99.7%
WDIR	-	-	-	Eagle Hill	SW										99.7%

# Eagle Hill - Continuous Air Quality Monitoring Station & Equipment Summary

Eagle Hill			
<b>General Station and Equipment Issues:</b>			
Installation Calibrations on March 2 <sup>nd</sup> (SO <sub>2</sub> , NO/NO <sub>2</sub> /NO <sub>x</sub> & O <sub>3</sub> ), March 3 <sup>rd</sup> (PM <sub>2.5</sub> & TRS) and March 4 <sup>th</sup> (THC/CH <sub>4</sub> /NMHC). Routine calibrations on March 10 <sup>th</sup> (NO/NO <sub>2</sub> /NO <sub>x</sub> , O <sub>3</sub> & PM <sub>2.5</sub> ). Twenty-two (22) hours flagged as power failure on March 2 <sup>nd</sup> and 3 <sup>rd</sup> for all parameters			
Parameter	Make	Model	Notes
<b>SO<sub>2</sub></b>	API	100A	Three (3) hours flagged as maintenance for QA check on March 16 <sup>th</sup> . Two (2) hours flagged as maintenance for QA check on March 31 <sup>st</sup> .
<b>TRS</b>	API	T100	No operational issues observed.
<b>NO<sub>2</sub>/NO/NO<sub>x</sub></b>	API	T200	Two (2) hours flagged as maintenance for QA check on March 14 <sup>th</sup> . Three (3) hours flagged as maintenance for QA check on March 16 <sup>th</sup> . Three (3) hours flagged as maintenance for QA check on March 27 <sup>th</sup> . Two (2) hours flagged as maintenance for QA check on March 31 <sup>st</sup> . Three (3) hours flagged as maintenance for QA check on April 1 <sup>st</sup> .
<b>O<sub>3</sub></b>	API	T400	Eleven (11) hours flagged as invalid due to elevated internal temperature on April 5 <sup>th</sup> . Eleven (11) hours flagged as invalid due to elevated internal temperature on April 6 <sup>th</sup> .
<b>PM<sub>2.5</sub></b>	Met One	Sharp 5030i	No operational issues observed.
<b>THC/CH<sub>4</sub>/NMHC</b>	TEI	55i	Twenty (20) hours flagged as maintenance on March 13 <sup>th</sup> and 14 <sup>th</sup> for timing window adjustment. Twenty-one (21) hours flagged as invalid due to elevated internal temperature on April 5 <sup>th</sup> and 6 <sup>th</sup> . Three (3) hours flagged as invalid due to elevated internal temperature on April 7 <sup>th</sup>
<b>RH</b>	Met One	093	No operational issues observed.
<b>ET</b>	Met One	093	Twenty-six (26) hours flagged as analyzer failure on April 7 <sup>th</sup> and 8 <sup>th</sup> .
<b>WS/WD</b>	Met One	010C/020C	Three (3) hours flagged invalid due to wind speed calm on April 2 <sup>nd</sup> .

# Hourly Averages

**Sulphur Dioxide (SO<sub>2</sub>) - ppb**

**Eagle HillN - Mar 1, 2025 to Apr 9, 2025**

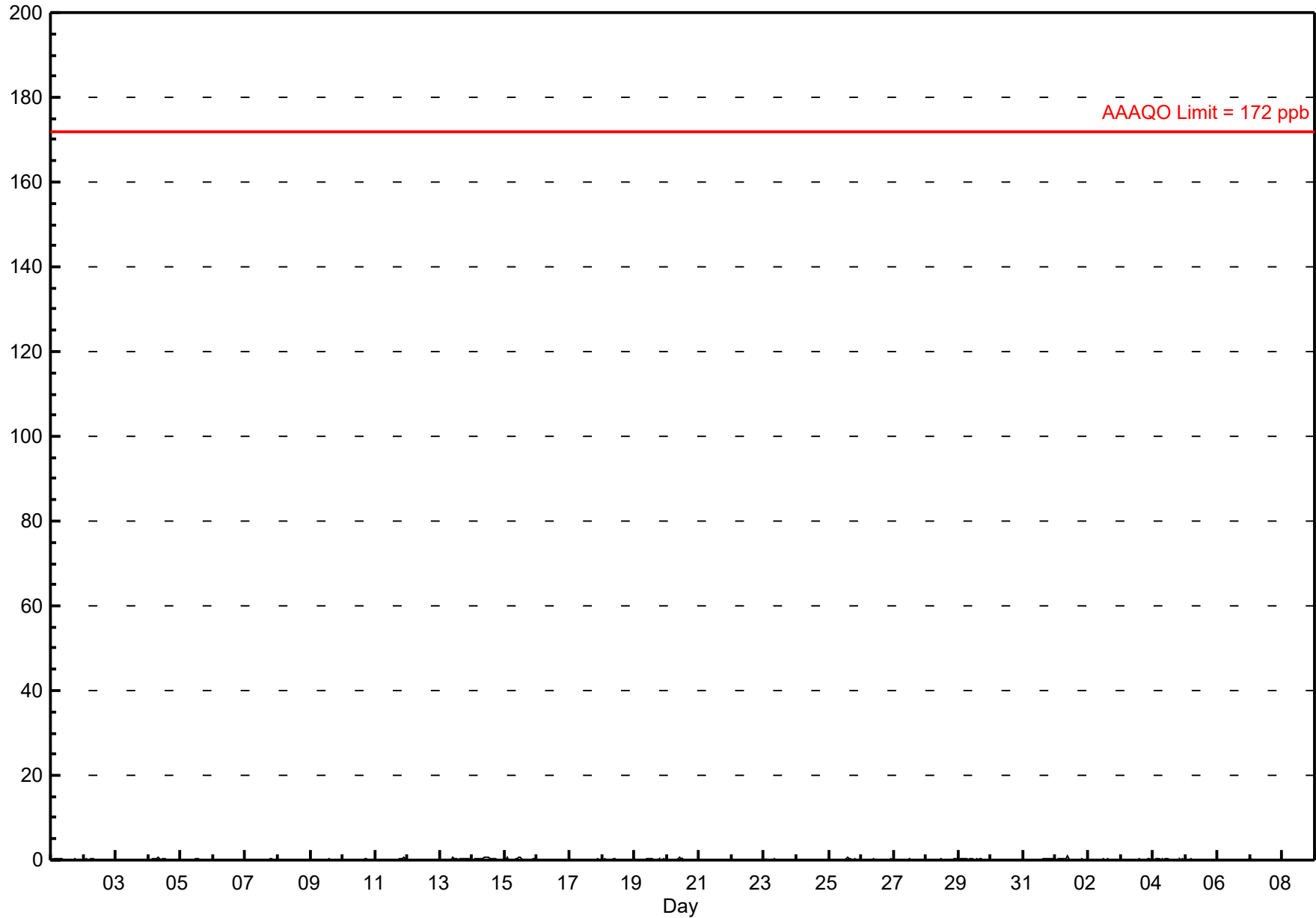
Number of Exceedences (AAAQO):	1-hr: 0	24-hr: 0	Hours in Service:	899
Maximum Value: 1.2 ppb on Apr 1 10:00	Maximum Daily Average: 0.3 ppb on Mar 14		Hours of Data:	849
Minimum Value: 0 ppb on Mar 1 02:00	Minimum Daily Average: 0.0 ppb on Mar 22		Hours of Missing Data:	50
Maximum Diurnal Average: 0.2 ppb at hour 10	Minimum Diurnal Average: 0.1 ppb at hour 18		Hours of Calibration:	45
Monthly Average: 0.08 ppb	Percentiles: P <sub>1</sub> = 0.0 P <sub>10</sub> = 0.0 Q <sub>1</sub> = 0.0 Median = 0.0 Q <sub>3</sub> = 0.1 P <sub>90</sub> = 0.3 P <sub>99</sub> = 0.6		Percent Operational Time:	99.4

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
2-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
3-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
4-Mar	A	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
5-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
6-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
7-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
8-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
9-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
10-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
11-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.1	0.6
12-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
13-Mar	A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
14-Mar	A	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.3	0.8
15-Mar	A	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.8
16-Mar	A	0	0	0	0	0	0	0	0	M	M	M	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
17-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
18-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
19-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
20-Mar	A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
21-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
22-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
23-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
24-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	C	C	C	C	0	0	0	0	0	0	0	0.0	0.2
25-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.1	0.6
26-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
27-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.5
28-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
29-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
30-Mar	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
31-Mar	A	0	0	0	0	0	0	0	M	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
1-Apr	A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.2
2-Apr	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
3-Apr	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
4-Apr	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
5-Apr	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
6-Apr	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
7-Apr	A	0	0	0	0	0	0	0	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	0.2
8-Apr	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
--	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Diurnal Average	
--	0.4	0.6	0.5	0.4	0.3	0.4	0.6	0.5	0.2	1.2	0.8	0.7	0.8	0.5	0.6	0.5	0.4	0.4	0.4	0.3	0.4	0.6	0.4	0.4	Diurnal Maximum	

C - Calibration      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span

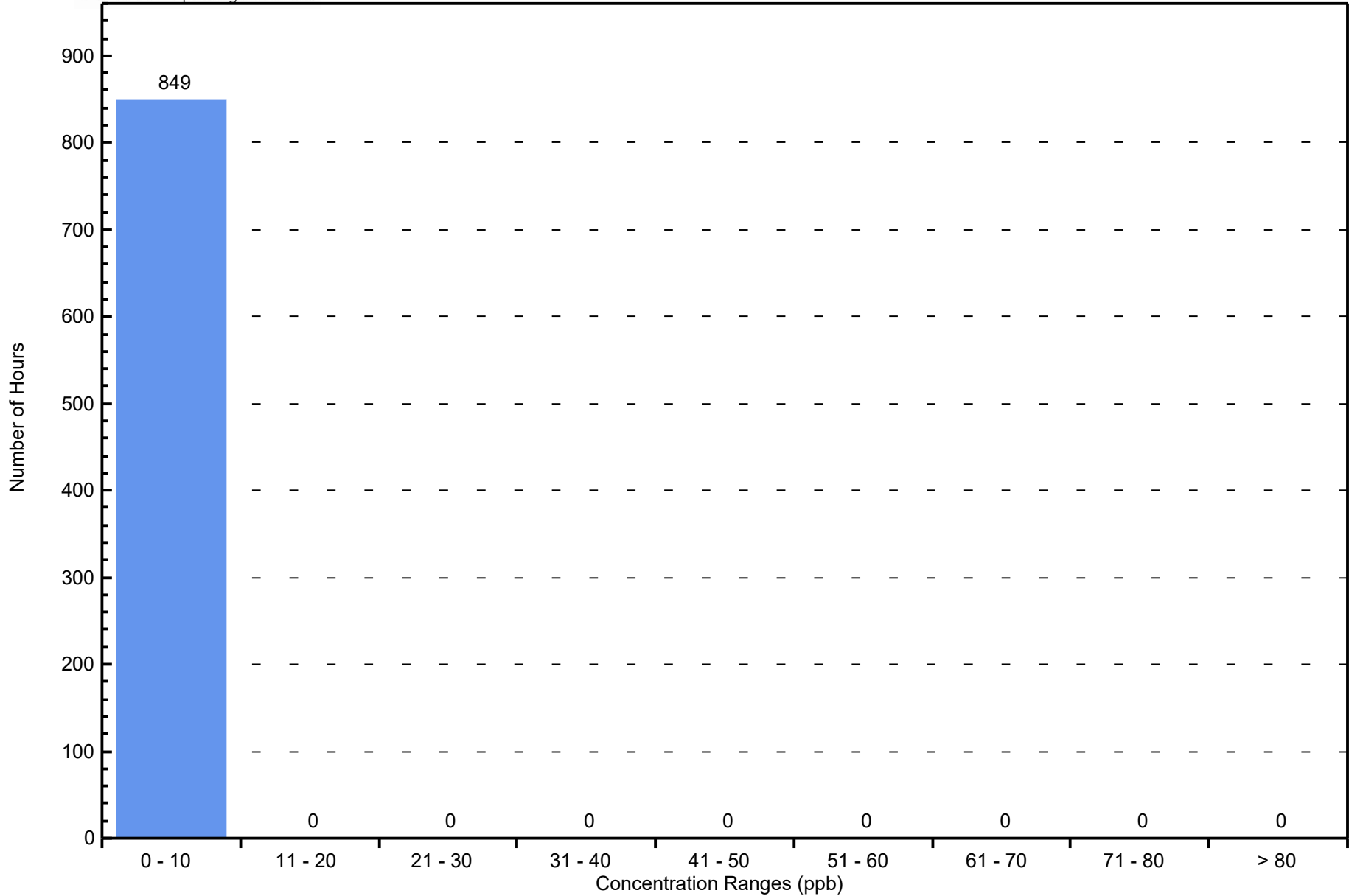
# Hourly Averages

Sulphur Dioxide (SO<sub>2</sub>) - ppb  
Eagle HillN - Mar 1, 2025 to Apr 9, 2025



# Histogram of Hourly Averages

**Sulphur Dioxide (SO<sub>2</sub>) - ppb**  
**Eagle HillN - March 2025**



# Hourly Averages

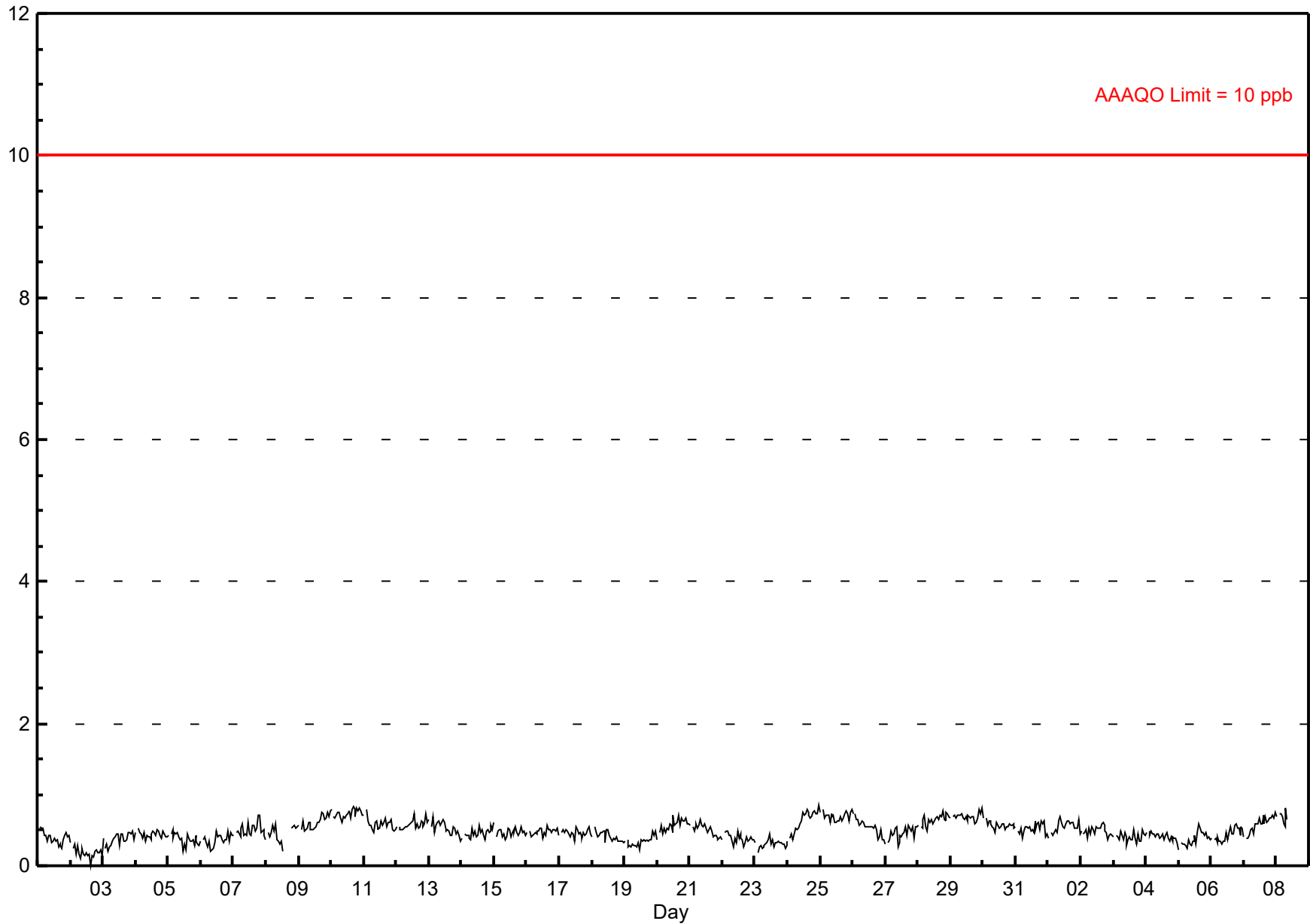
## Total Reduced Sulphur (TRS) - ppb Eagle HillN - Mar 1, 2025 to Apr 9, 2025

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 924
Maximum Value: 0.9 ppb on Mar 25 00:00	Maximum Daily Average: 0.7 ppb on Mar 10
Minimum Value: 0 ppb on Mar 2 16:00	Hours of Data: 876
Maximum Diurnal Average: 0.5 ppb at hour 19	Hours of Missing Data: 48
Monthly Average: 0.49 ppb	Hours of Calibration: 48
Minimum Daily Average: 0.2 ppb on Mar 2	Percent Operational Time: 100.0
Minimum Diurnal Average: 0.5 ppb at hour 11	
Percentiles: P <sub>1</sub> = 0.2 P <sub>10</sub> = 0.3 Q <sub>1</sub> = 0.4 Median = 0.5 Q <sub>3</sub> = 0.6 P <sub>90</sub> = 0.7 P <sub>99</sub> = 0.8	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Mar	1	A	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6																						
2-Mar	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3																						
3-Mar	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5																						
4-Mar	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.4	0.5																						
5-Mar	0	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5																						
6-Mar	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5																						
7-Mar	0	A	0	0	0	0	1	1	0	0	0	1	0	0	1	1	0	1	1	1	1	0	1	0	0.5	0.7																						
8-Mar	0	A	0	0	0	1	0	1	0	0	0	0	0	C	C	C	C	C	C	1	1	1	1	1	--	0.6																						
9-Mar	1	A	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8																						
10-Mar	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.8																						
11-Mar	1	A	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0.6	0.8																						
12-Mar	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.7																						
13-Mar	1	A	1	1	0	1	1	1	1	1	1	1	1	0	1	0	0	0	1	1	0	0	0	0	0.5	0.7																						
14-Mar	0	A	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	1	0	0	1	1	0.5	0.6																						
15-Mar	1	A	0	0	1	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	1	0	0	0	0.5	0.6																						
16-Mar	0	A	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	1	1	0	1	0	0.5	0.6																						
17-Mar	0	A	0	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0.5	0.5																						
18-Mar	0	A	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5																						
19-Mar	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5																						
20-Mar	0	A	0	1	0	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.7																						
21-Mar	1	A	1	0	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0.5	0.7																						
22-Mar	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5																						
23-Mar	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4																						
24-Mar	0	A	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.9																						
25-Mar	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.8																						
26-Mar	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0.5	0.7																						
27-Mar	0	A	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0.5	0.6																						
28-Mar	1	A	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8																						
29-Mar	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.8																						
30-Mar	1	A	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0.6	0.7																						
31-Mar	1	A	0	0	1	0	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	0	0	0.5	0.6																						
1-Apr	0	A	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.6	0.7																						
2-Apr	0	A	0	0	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0.5	0.6																						
3-Apr	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0.4	0.5																						
4-Apr	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5																						
5-Apr	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0.4	0.6																						
6-Apr	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	1	1	0.4	0.6																						
7-Apr	0	A	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8																						
8-Apr	1	A	1	1	1	1	1	1	1	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	0.8																						
																								0.5	--	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	Diurnal Average	
																								0.8	--	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	Diurnal Maximum

# Hourly Averages

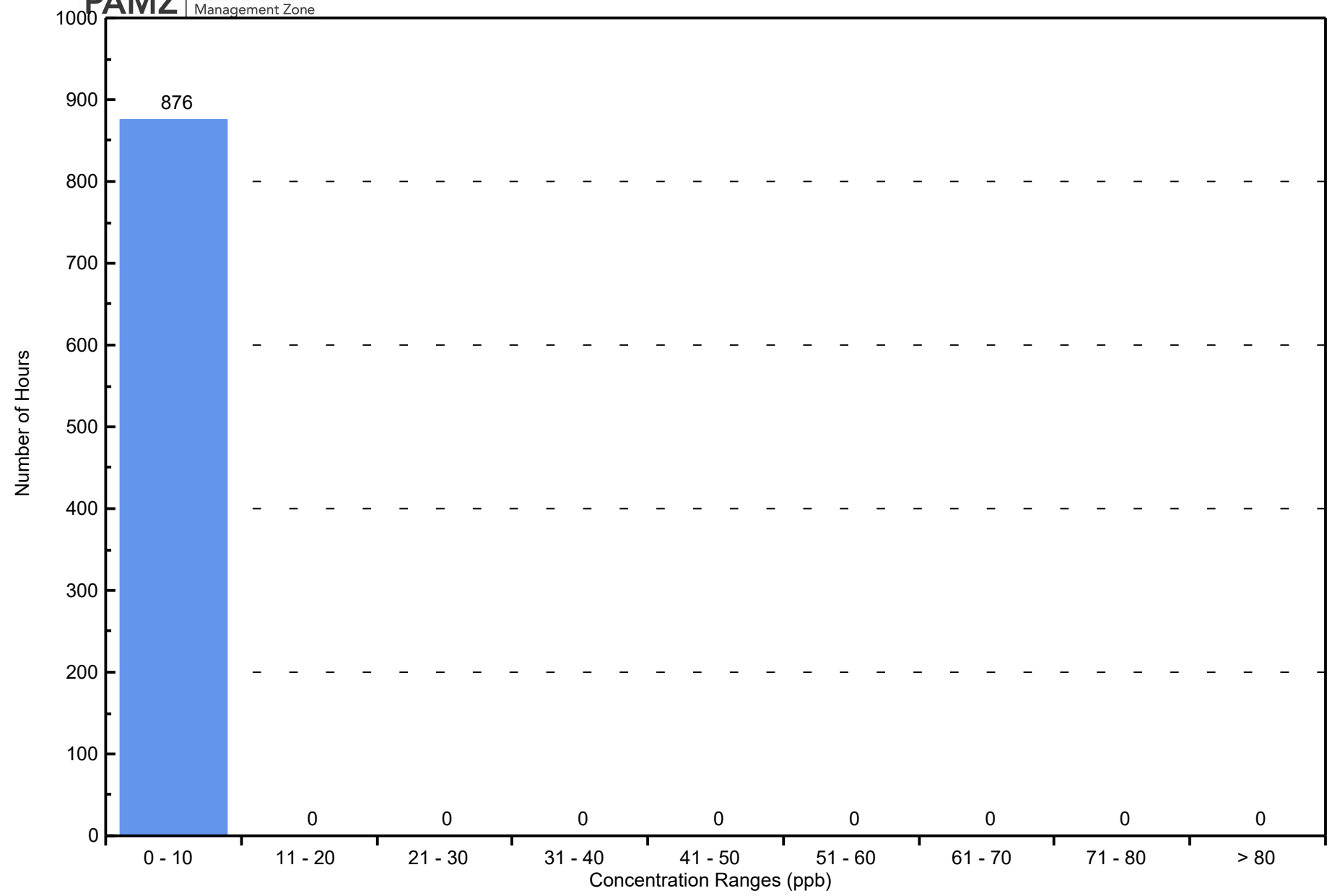
**Total Reduced Sulphur (TRS) - ppb**  
**Eagle HillN - Mar 1, 2025 to Apr 9, 2025**





# Histogram of Hourly Averages

Total Reduced Sulphur (TRS) - ppb  
Eagle HillIN - March 2025



# Hourly Averages

## Nitrogen Dioxide (NO<sub>2</sub>) - ppb

Eagle HillN - Mar 1, 2025 to Apr 9, 2025

Number of Exceedences (AAAQO):	1-hr: 0	24-hr: 0	Hours in Service:	903
Maximum Value: 15.1 ppb on Mar 20 17:00	Maximum Daily Average: 4.2 ppb on Mar 1		Hours of Data:	836
Minimum Value: 0 ppb on Mar 9 13:00	Minimum Daily Average: 0.5 ppb on Mar 8		Hours of Missing Data:	67
Maximum Diurnal Average: 3.0 ppb at hour 21	Minimum Diurnal Average: 1.4 ppb at hour 13		Hours of Calibration:	54
Monthly Average: 2.21 ppb	Percentiles: P <sub>1</sub> = 0.1 P <sub>10</sub> = 0.6 Q <sub>1</sub> = 1.0 Median = 1.8 Q <sub>3</sub> = 3.0 P <sub>90</sub> = 4.3 P <sub>99</sub> = 7.7		Percent Operational Time:	98.6

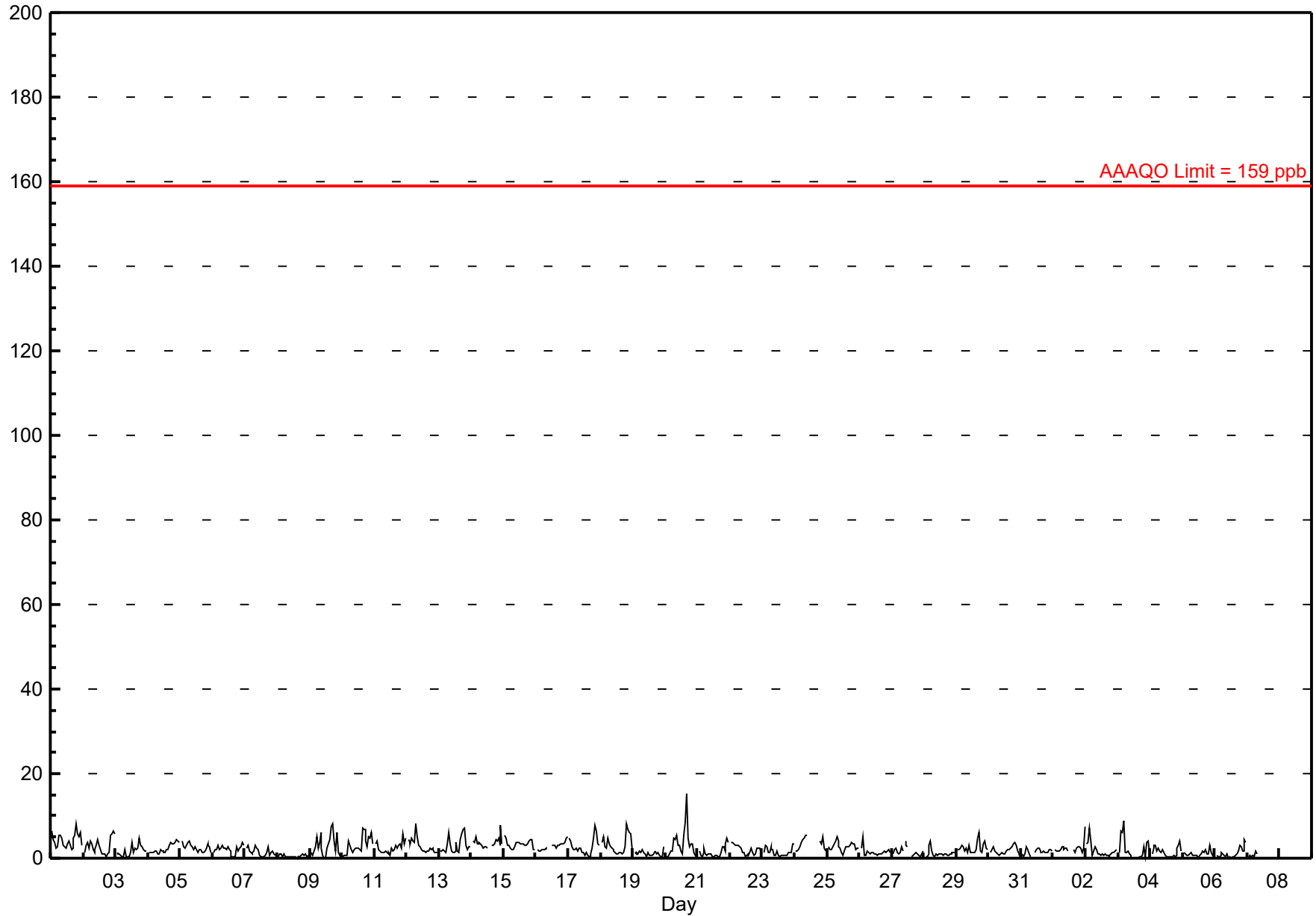
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Mar	A	6	5	4	3	3	5	5	5	3	3	2	3	4	3	2	2	5	5	8	6	5	6	3	4.2	8.1
2-Mar	A	1	3	4	2	4	3	2	2	2	3	4	3	2	1	1	1	1	1	1	6	6	6	6	2.8	6.4
3-Mar	A	1	1	1	1	1	0	2	0	1	1	1	4	1	2	2	2	5	3	3	3	2	2	2	1.7	4.6
4-Mar	A	1	1	1	1	2	2	1	1	2	2	2	2	2	2	2	3	4	3	3	4	4	4	4	2.3	4.3
5-Mar	A	4	3	2	2	3	4	4	3	3	2	3	2	1	2	2	2	1	2	2	3	3	3	1	2.5	4.1
6-Mar	A	2	2	2	3	2	3	3	2	2	3	2	2	2	1	0	1	1	3	2	2	3	4	3	2.1	3.6
7-Mar	A	2	3	2	2	1	1	2	3	2	2	1	0	0	0	1	2	3	1	1	2	1	1	1	1.4	3.2
8-Mar	A	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0.5	1.1
9-Mar	A	1	1	2	3	5	2	4	6	3	1	0	0	2	3	4	7	8	4	2	6	1	1	1	2.9	8.2
10-Mar	A	1	1	1	1	4	3	2	2	2	3	2	2	2	2	7	7	7	4	3	5	5	6	4	3.2	7.2
11-Mar	A	3	4	2	2	1	1	1	2	1	1	1	3	2	2	3	3	3	3	4	3	6	3	5	2.4	5.6
12-Mar	A	4	4	3	5	4	4	8	5	3	3	2	2	2	2	2	2	2	2	2	2	1	1	2	2.9	8.0
13-Mar	A	2	2	2	2	1	4	6	3	2	1	1	2	4	2	2	5	6	7	7	3	2	3	3	3.0	7.0
14-Mar	A	4	4	5	3	3	4	4	3	2	3	3	3	M	M	3	3	4	4	4	5	3	8	4	3.7	7.8
15-Mar	A	5	5	3	3	2	2	2	3	4	4	4	3	3	3	3	3	3	3	4	4	5	2	2	3.3	5.3
16-Mar	A	2	2	2	2	2	2	2	2	M	M	M	3	3	3	2	3	3	4	3	3	4	5	5	2.9	5.1
17-Mar	A	5	4	3	2	2	2	2	3	2	1	1	1	1	1	0	1	1	2	5	8	6	4	3	2.6	7.8
18-Mar	A	4	5	3	2	5	3	3	2	2	2	1	1	1	1	1	1	1	3	8	7	6	6	2	3.1	8.1
19-Mar	A	1	1	1	1	2	1	2	1	1	0	2	1	1	1	1	2	1	1	1	1	1	0	3	1.2	2.8
20-Mar	A	0	1	1	2	2	5	4	5	3	3	2	2	1	5	8	15	5	3	3	3	1	1	0	3.3	15.1
21-Mar	A	2	1	0	2	2	1	1	1	1	1	0	1	1	0	0	2	3	3	2	4	5	4	4	1.5	4.6
22-Mar	A	4	4	4	3	3	3	3	2	1	1	1	1	1	1	1	3	1	1	1	2	2	2	2	2.0	3.6
23-Mar	A	1	3	3	2	1	3	2	2	1	1	2	1	1	1	1	1	1	1	1	2	1	3	4	1.6	3.5
24-Mar	A	2	2	2	3	4	4	5	5	5	C	C	C	C	C	C	C	C	C	4	3	5	2	2	--	5.4
25-Mar	A	3	2	2	3	3	4	5	4	3	2	1	1	2	3	3	3	3	4	3	3	2	3	2	2.8	5.1
26-Mar	A	2	2	5	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1.5	5.1
27-Mar	A	1	2	2	1	1	1	3	2	M	4	3	3	M	M	1	1	1	1	1	1	0	1	2	1.6	3.9
28-Mar	A	1	1	1	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1.2	4.0
29-Mar	A	2	2	2	3	3	2	3	1	3	2	1	1	2	1	2	5	6	2	1	4	4	2	2	2.4	6.0
30-Mar	A	1	2	3	2	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	3	2	1	1	1.7	3.6
31-Mar	A	1	1	1	3	2	1	0	M	M	1	2	2	2	2	1	1	2	2	1	1	2	2	2	1.5	2.6
1-Apr	A	2	2	2	2	2	3	3	2	2	3	2	M	M	M	2	1	2	3	3	3	1	2	8	2.4	7.6
2-Apr	A	4	4	7	4	1	2	3	2	1	1	1	1	1	1	1	1	0	1	1	2	2	2	2	1.8	7.2
3-Apr	A	1	7	6	9	1	2	2	1	1	0	0	0	0	0	0	0	0	1	3	1	4	4	2	1.9	8.8
4-Apr	A	1	2	3	3	2	2	2	2	2	1	1	1	1	0	0	0	1	0	1	2	3	4	2	1.6	3.9
5-Apr	A	1	1	1	1	1	1	1	1	1	1	0	0	1	1	2	1	2	1	1	3	1	1	2	1.0	2.9
6-Apr	A	1	0	0	1	1	1	1	0	1	0	0	0	0	0	1	1	2	3	3	2	2	4	4	1.2	4.4
7-Apr	A	0	1	0	1	1	2	1	C	C	C	C	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	1.6
8-Apr	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
--	--	2.1	2.3	2.3	2.2	2.2	2.3	2.5	2.2	1.9	1.6	1.5	1.4	1.5	1.5	1.8	2.4	2.5	2.4	2.7	3.0	2.8	2.9	2.5	Diurnal Average	
--	--	6.3	6.6	7.2	8.8	5.2	5.3	8.0	6.1	5.4	3.9	4.4	3.7	4.0	5.4	8.4	15.1	8.2	6.7	8.1	7.8	6.4	7.8	7.6	Diurnal Maximum	

C - Calibration      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span

Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 159 ppb      24-hr 106 ppb

# Hourly Averages

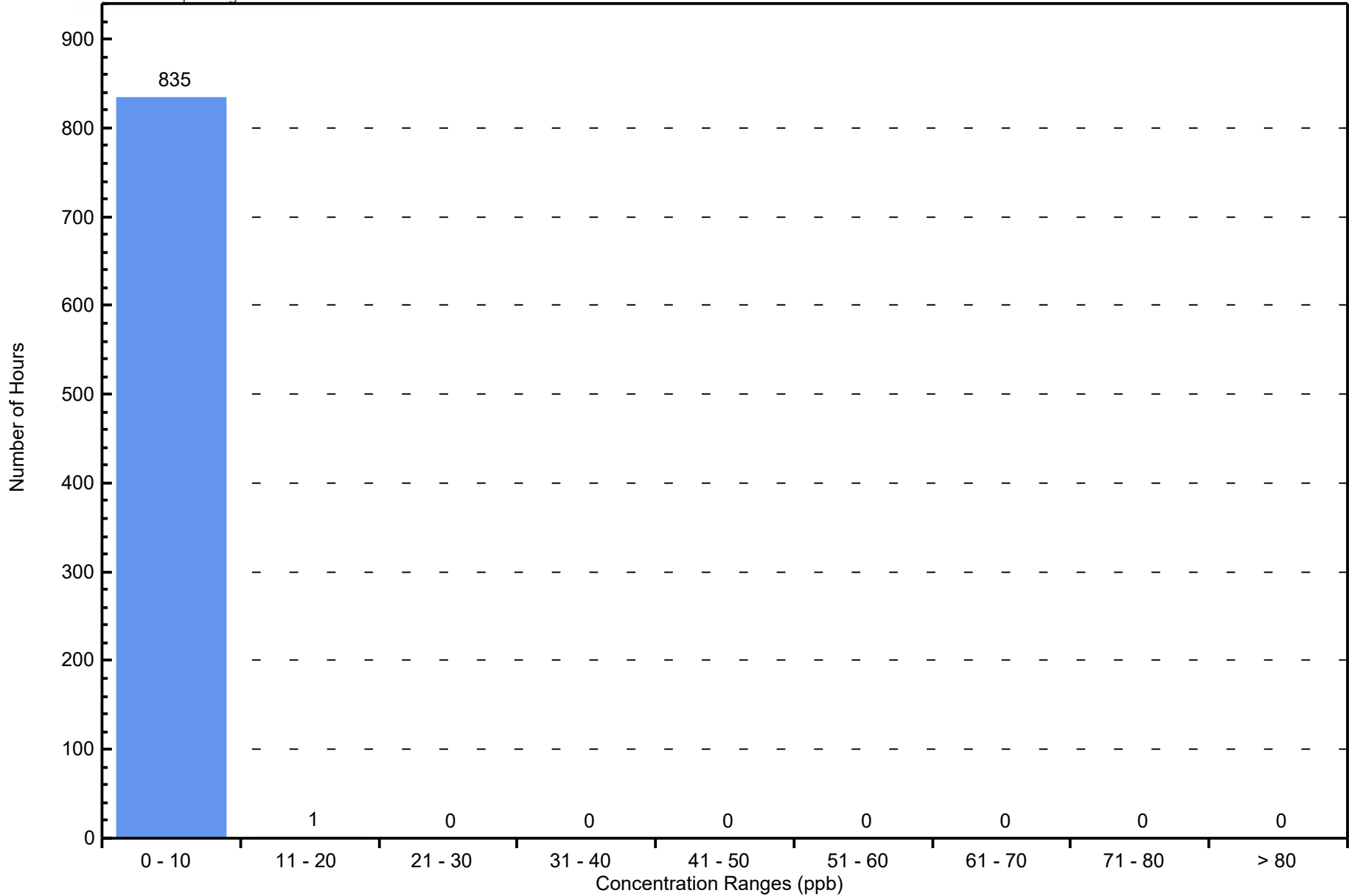
**Nitrogen Dioxide (NO<sub>2</sub>) - ppb**  
**Eagle HillN - Mar 1, 2025 to Apr 9, 2025**





# Histogram of Hourly Averages

Nitrogen Dioxide (NO<sub>2</sub>) - ppb  
Eagle HillN - March 2025



# Hourly Averages

## Oxides of Nitrogen (NO<sub>x</sub>) - ppb

Eagle HillIN - Mar 1, 2025 to Apr 9, 2025

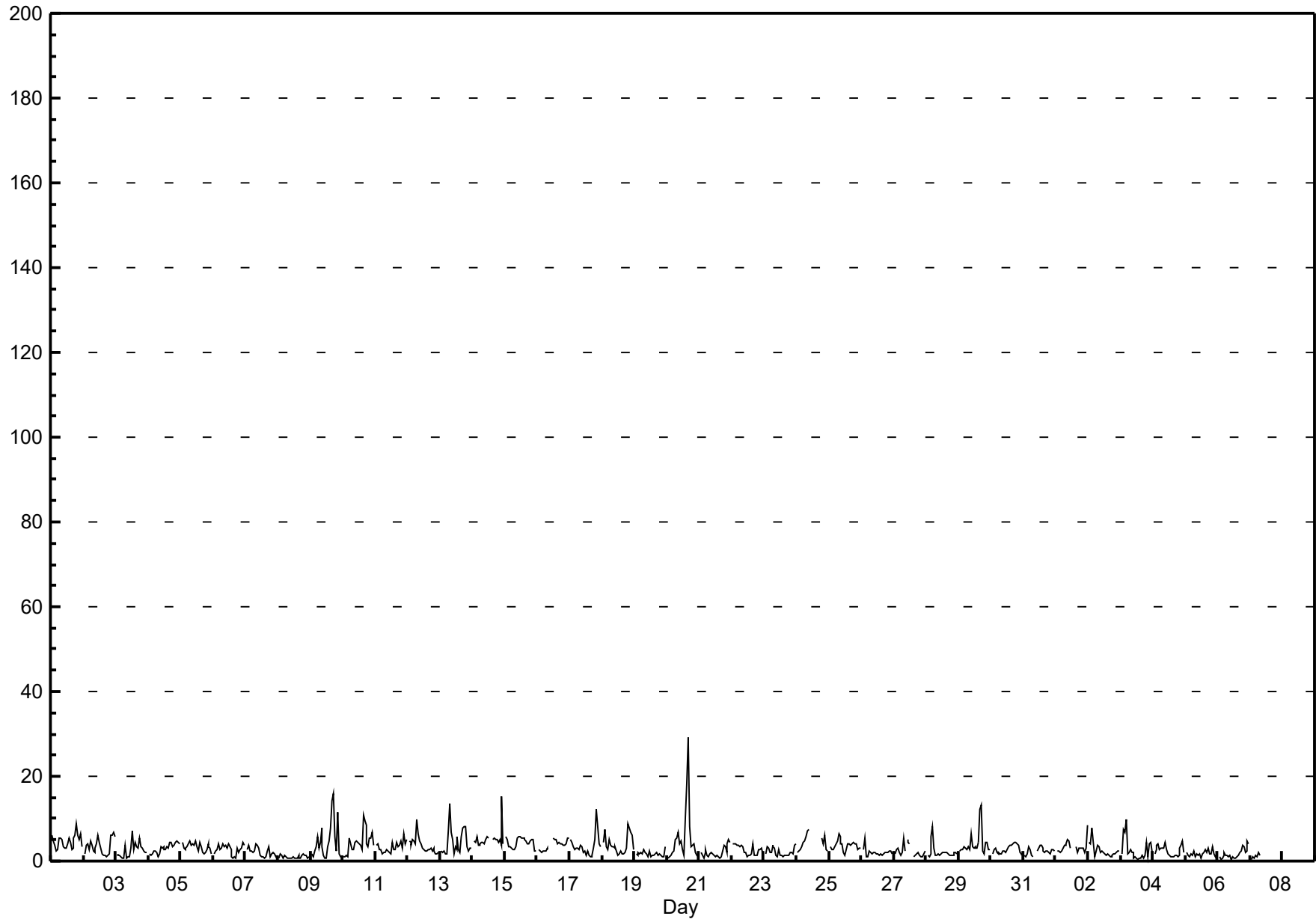
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 903
Maximum Value: 29.2 ppb on Mar 20 17:00	Maximum Daily Average: 5.3 ppb on Mar 20
Minimum Value: 0 ppb on Apr 6 11:00	Hours of Data: 836
Maximum Diurnal Average: 4.0 ppb at hour 17	Hours of Missing Data: 67
Monthly Average: 3.09 ppb	Hours of Calibration: 54
Minimum Daily Average: 1.0 ppb on Mar 8	Percent Operational Time: 98.6
Minimum Diurnal Average: 2.5 ppb at hour 14	
Percentiles: P <sub>1</sub> = 0.6 P <sub>10</sub> = 1.1 Q <sub>1</sub> = 1.7 Median = 2.6 Q <sub>3</sub> = 4.0 P <sub>90</sub> = 5.3 P <sub>99</sub> = 11.8	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Mar	A	6	5	4	2	3	5	5	5	3	3	3	4	5	4	3	3	5	6	9	6	5	6	3	4.6	8.6
2-Mar	A	2	4	4	3	5	4	3	2	3	4	6	4	3	2	1	1	1	1	2	6	6	7	6	3.4	6.7
3-Mar	A	2	1	1	1	1	1	4	1	1	1	3	7	3	4	3	3	5	3	3	3	3	2	2	2.6	7.1
4-Mar	A	2	2	2	2	2	2	1	2	3	3	3	3	3	4	3	5	4	4	4	4	5	4	4	3.0	4.8
5-Mar	A	5	3	3	3	3	4	5	4	4	4	5	3	2	4	3	2	2	2	3	4	3	3	2	3.3	4.7
6-Mar	A	2	2	3	4	3	3	4	3	4	3	4	3	3	1	1	1	1	3	2	3	3	4	4	2.8	4.3
7-Mar	A	3	4	2	2	2	2	2	4	4	3	1	1	1	1	1	2	3	1	2	2	2	1	1	2.1	4.1
8-Mar	A	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1.0	1.8
9-Mar	A	2	1	2	3	6	3	5	8	3	1	1	1	3	5	8	14	16	6	2	11	2	1	1	4.6	16.0
10-Mar	A	1	1	1	1	5	4	3	3	4	5	5	4	4	3	11	10	9	4	3	5	6	7	4	4.4	10.7
11-Mar	A	4	4	3	3	2	2	2	3	2	2	2	2	4	3	3	4	3	4	5	3	6	4	5	3.2	6.5
12-Mar	A	5	4	4	5	5	4	10	7	5	4	3	3	2	2	3	3	3	2	3	2	2	2	2	3.6	9.8
13-Mar	A	2	2	2	2	2	7	14	7	5	2	3	3	6	3	2	6	8	8	8	3	3	3	3	4.5	13.6
14-Mar	A	5	4	6	4	4	4	4	4	4	5	6	5	M	M	5	5	5	5	5	5	4	15	4	5.2	15.2
15-Mar	A	6	5	3	4	3	3	3	4	5	6	6	5	5	5	5	5	4	4	5	5	5	2	2	4.3	5.9
16-Mar	A	3	2	2	2	2	2	3	3	M	M	M	5	5	5	4	4	4	4	4	4	4	5	6	3.7	5.6
17-Mar	A	5	5	3	3	3	3	3	4	3	2	2	1	2	2	1	1	1	3	5	12	8	4	3	3.5	12.2
18-Mar	A	4	7	3	3	5	4	3	3	3	3	2	1	2	2	2	2	2	3	9	8	7	6	3	3.8	8.7
19-Mar	A	2	1	2	2	2	2	3	2	2	1	2	1	1	1	2	2	1	2	2	1	1	1	3	1.7	3.3
20-Mar	A	1	1	2	2	2	5	5	7	4	5	3	3	2	10	18	29	8	3	4	4	2	1	1	5.3	29.2
21-Mar	A	2	1	1	2	3	1	1	2	2	2	1	1	1	1	1	1	2	4	3	2	4	5	4	2.1	5.2
22-Mar	A	4	4	4	4	4	3	4	3	2	2	1	2	2	1	2	4	1	1	1	3	3	3	2	2.6	4.1
23-Mar	A	2	3	3	2	2	4	3	3	1	1	3	1	1	1	1	1	1	1	2	2	2	4	4	2.2	4.1
24-Mar	A	2	2	3	3	4	5	6	7	8	C	C	C	C	C	C	C	C	C	5	4	6	3	2	--	7.5
25-Mar	A	3	3	3	3	4	5	6	6	4	4	2	1	3	4	4	4	4	5	4	4	3	3	3	3.7	6.5
26-Mar	A	3	3	6	1	1	2	2	2	2	2	2	2	1	2	1	2	2	2	2	2	2	2	2	2.1	5.5
27-Mar	A	2	3	3	2	2	2	5	2	M	5	4	4	M	M	1	1	2	2	1	1	1	2	2	2.4	5.3
28-Mar	A	1	1	2	6	8	3	1	1	2	1	2	2	2	2	2	2	1	1	1	1	2	2	2	2.1	8.1
29-Mar	A	2	3	3	3	3	3	4	3	6	3	3	3	3	4	4	12	13	3	2	5	4	3	3	4.1	13.3
30-Mar	A	2	3	3	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	2	2	1	2.7	4.5
31-Mar	A	2	1	2	3	3	1	1	M	M	2	3	4	4	3	2	2	2	2	2	2	3	3	2	2.3	3.7
1-Apr	A	2	2	2	2	3	4	4	4	5	5	3	M	M	M	4	2	3	3	3	3	2	3	8	3.4	8.3
2-Apr	A	4	4	8	5	1	2	4	3	2	2	2	2	1	2	1	1	1	2	2	2	2	3	3	2.5	7.9
3-Apr	A	2	8	7	10	2	2	3	2	2	1	1	1	0	1	1	1	1	1	4	1	4	5	2	2.6	9.7
4-Apr	A	2	3	4	4	3	3	3	3	4	3	2	1	1	1	1	1	1	1	1	3	4	5	2	2.4	4.7
5-Apr	A	2	1	1	2	1	2	1	2	1	2	1	1	2	2	3	2	3	2	2	3	2	1	2	1.7	3.3
6-Apr	A	1	0	1	1	2	2	1	1	1	0	1	1	1	1	1	2	2	4	3	2	2	5	4	1.8	4.7
7-Apr	A	0	1	1	1	1	2	1	C	C	C	C	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	2.0
8-Apr	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
--	--	2.6	2.8	2.8	2.8	2.9	3.0	3.5	3.3	3.2	2.7	2.7	2.6	2.5	2.7	3.1	4.0	3.7	3.0	3.3	3.7	3.4	3.6	2.9	Diurnal Average	
--	--	6.3	7.5	7.9	9.7	8.1	7.3	13.6	7.8	7.5	5.7	6.1	7.1	5.8	10.0	18.3	29.2	16.0	8.1	8.7	12.2	8.2	15.2	8.3	Diurnal Maximum	

C - Calibration      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span

# Hourly Averages

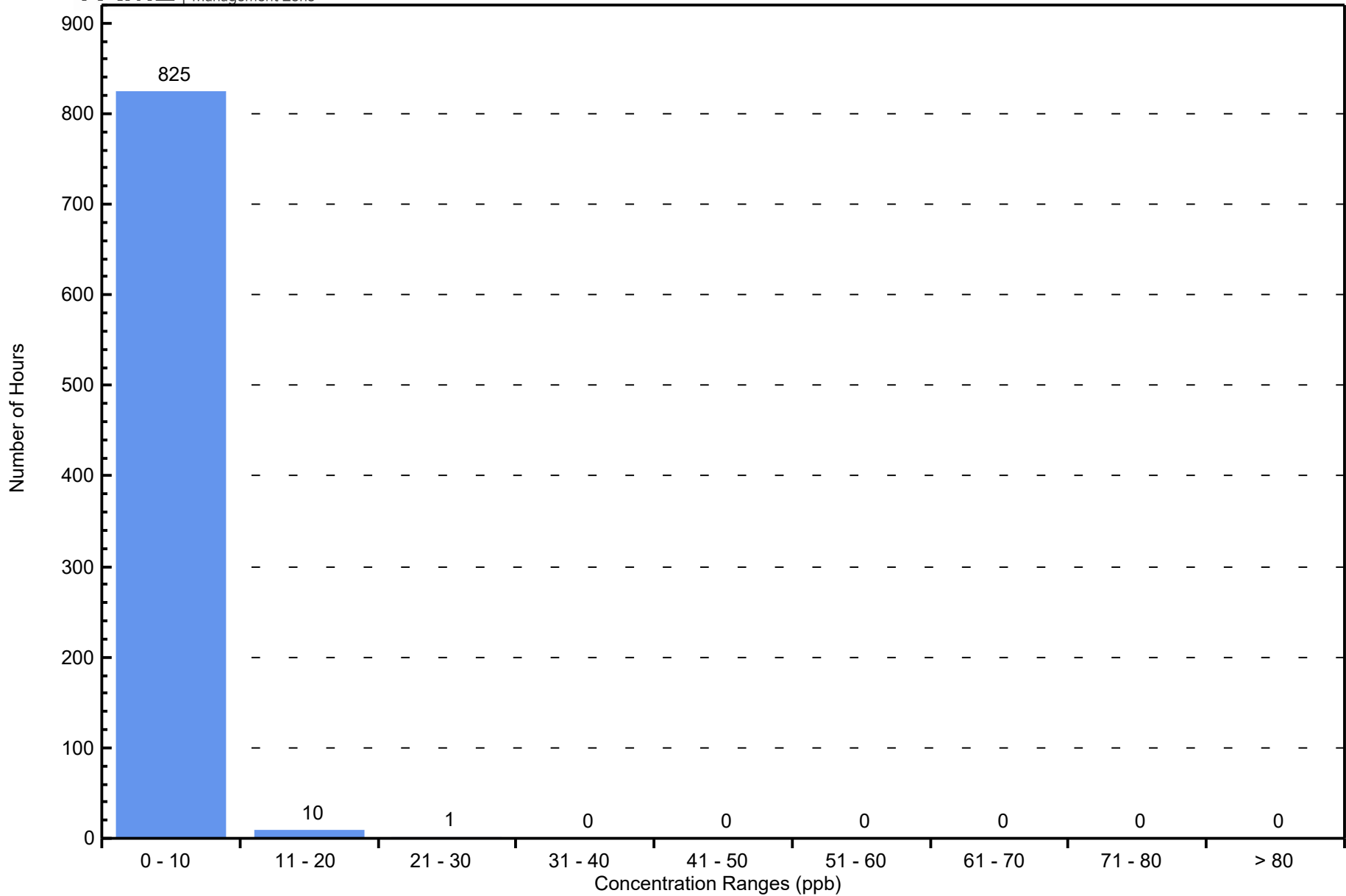
Oxides of Nitrogen (NO<sub>x</sub>) - ppb  
Eagle HillN - Mar 1, 2025 to Apr 9, 2025



# Histogram of Hourly Averages

Oxides of Nitrogen (NO<sub>x</sub>) - ppb

Eagle HillIN - March 2025



# Hourly Averages

**Nitrogen Oxide (NO) - ppb**

**Eagle HillN - Mar 1, 2025 to Apr 9, 2025**

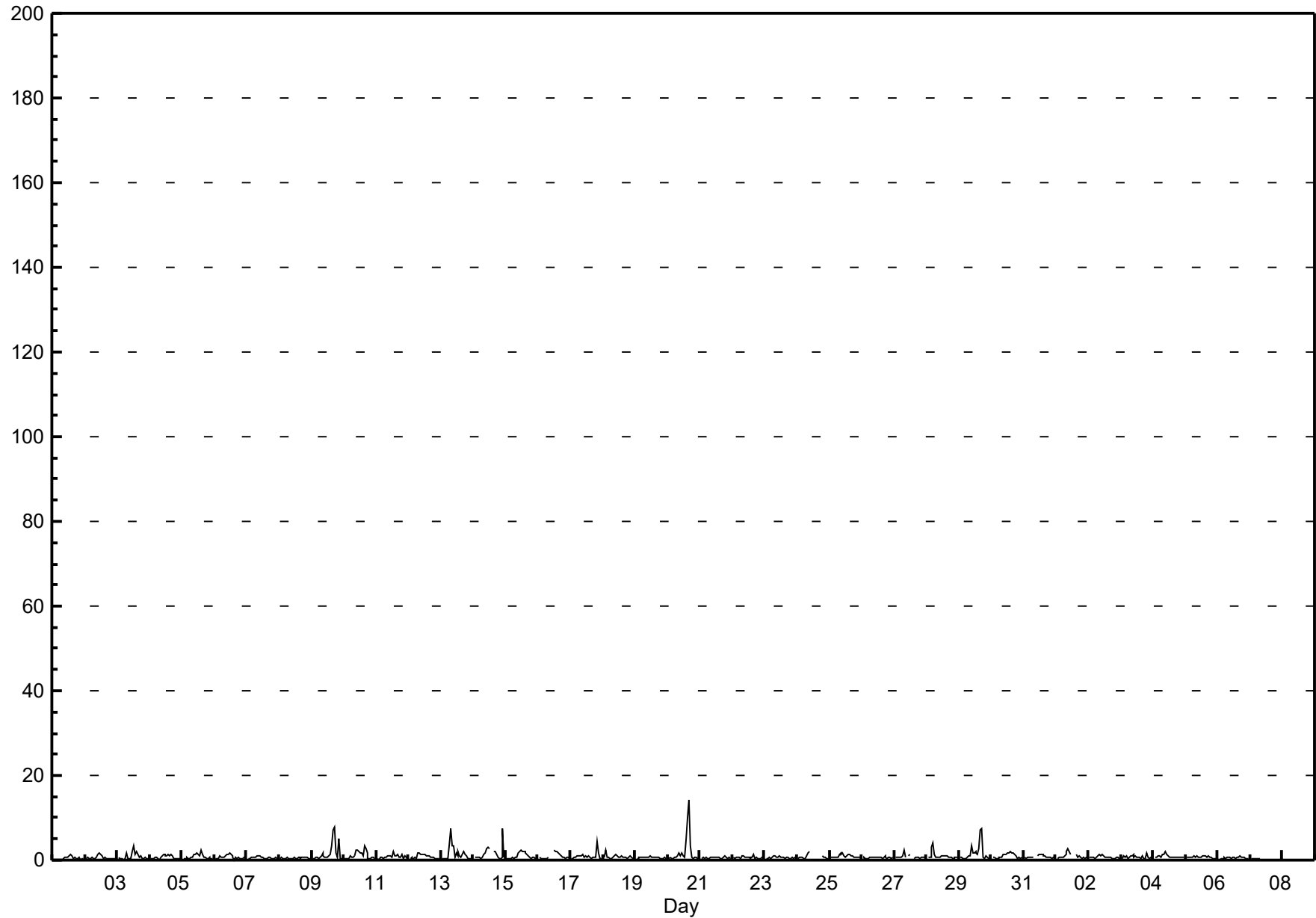
Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 903
Maximum Value: 14.1 ppb on Mar 20 17:00	Maximum Daily Average: 2.0 ppb on Mar 20
Minimum Value: 0 ppb on Mar 1 02:00	Hours of Data: 836
Maximum Diurnal Average: 1.7 ppb at hour 17	Hours of Missing Data: 67
Monthly Average: 0.88 ppb	Hours of Calibration: 54
Minimum Daily Average: 0.4 ppb on Mar 1	Percent Operational Time: 98.6
Minimum Diurnal Average: 0.5 ppb at hour 2	
Percentiles: P <sub>1</sub> = 0.1 P <sub>10</sub> = 0.4 Q <sub>1</sub> = 0.5 Median = 0.6 Q <sub>3</sub> = 0.9 P <sub>90</sub> = 1.5 P <sub>99</sub> = 5.0	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Mar	A	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	1	0	0	0	0.4	1.4
2-Mar	A	0	1	0	0	1	0	0	1	1	1	2	1	1	1	1	0	0	0	0	1	0	0	0	0.6	1.7
3-Mar	A	1	0	0	0	0	0	2	0	0	0	2	3	1	2	1	1	1	0	0	0	1	0	0	0.8	3.4
4-Mar	A	0	0	0	1	1	0	0	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0.7	1.5
5-Mar	A	0	0	0	1	0	0	1	1	1	1	2	2	1	2	1	1	1	0	0	1	0	0	0	0.8	2.3
6-Mar	A	0	0	0	1	1	1	1	1	1	1	2	1	1	1	0	1	0	1	0	0	0	1	1	0.7	1.6
7-Mar	A	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	1	0	0	0	0.6	1.2
8-Mar	A	0	1	0	0	0	1	0	0	0	0	1	0	0	1	1	0	1	1	1	1	1	0	0	0.5	0.8
9-Mar	A	0	0	1	1	0	1	1	2	1	1	1	1	1	1	3	7	8	2	1	5	0	0	0	1.6	7.8
10-Mar	A	0	0	0	0	1	1	1	1	2	2	2	2	2	1	3	3	2	0	0	0	1	1	0	1.2	3.5
11-Mar	A	0	0	1	1	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	1	1	0	0.8	1.9
12-Mar	A	0	1	0	0	1	0	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.8	1.8
13-Mar	A	0	0	0	0	0	4	7	4	3	1	2	1	2	1	1	1	2	1	1	0	0	0	0	1.5	7.4
14-Mar	A	1	1	1	1	0	0	1	1	2	3	3	3	M	M	2	2	2	1	0	0	1	7	1	1.5	7.4
15-Mar	A	0	0	0	0	1	0	1	1	2	2	2	2	2	2	2	1	1	1	0	1	1	0	1	1.0	2.3
16-Mar	A	1	0	0	0	0	0	1	1	1	M	M	M	2	2	2	1	1	1	1	0	1	1	0	0.9	2.2
17-Mar	A	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	4	2	0	0	0.9	4.4
18-Mar	A	1	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	0.8	2.4
19-Mar	A	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0.6	0.9
20-Mar	A	0	1	0	1	1	1	1	2	1	2	1	1	1	5	10	14	4	1	0	1	1	0	1	2.0	14.1
21-Mar	A	0	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	1	1	1	0	0	1	0	0.6	1.1
22-Mar	A	1	0	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	1	0	0	0	1	0	0.6	1.5
23-Mar	A	0	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1	0.6	1.1
24-Mar	A	0	1	1	1	0	0	1	2	2	C	C	C	C	C	C	C	C	C	1	1	1	0	0	--	2.1
25-Mar	A	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.6
26-Mar	A	0	1	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	0	1	0.6	0.9
27-Mar	A	1	1	1	1	1	1	3	1	M	1	1	1	M	M	1	1	1	1	0	1	1	1	1	0.8	2.5
28-Mar	A	1	1	1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1.0	4.1
29-Mar	A	1	1	0	0	0	1	1	1	1	3	2	2	2	2	3	7	7	1	0	1	1	0	0	1.7	7.3
30-Mar	A	1	1	0	0	0	1	1	1	1	1	1	2	2	2	2	2	1	1	0	1	1	1	1	1.0	1.9
31-Mar	A	1	0	1	1	1	1	1	M	M	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0.8	1.3
1-Apr	A	1	1	1	1	1	1	1	2	3	2	1	M	M	M	1	1	1	1	0	1	0	1	1	1.0	2.6
2-Apr	A	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0.7	1.3
3-Apr	A	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	0	0	2	1	0	1	1	1	0.8	1.7
4-Apr	A	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	2.2
5-Apr	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.7	1.1
6-Apr	A	0	0	0	0	1	0	1	1	1	0	1	1	0	1	1	1	1	1	1	0	0	0	0	0.5	0.9
7-Apr	A	0	0	0	0	1	0	0	C	C	C	C	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	0.5
8-Apr	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--

C - Calibration      M - Maintenance      NS - Not in service      A - Automated Daily Zero Span

# Hourly Averages

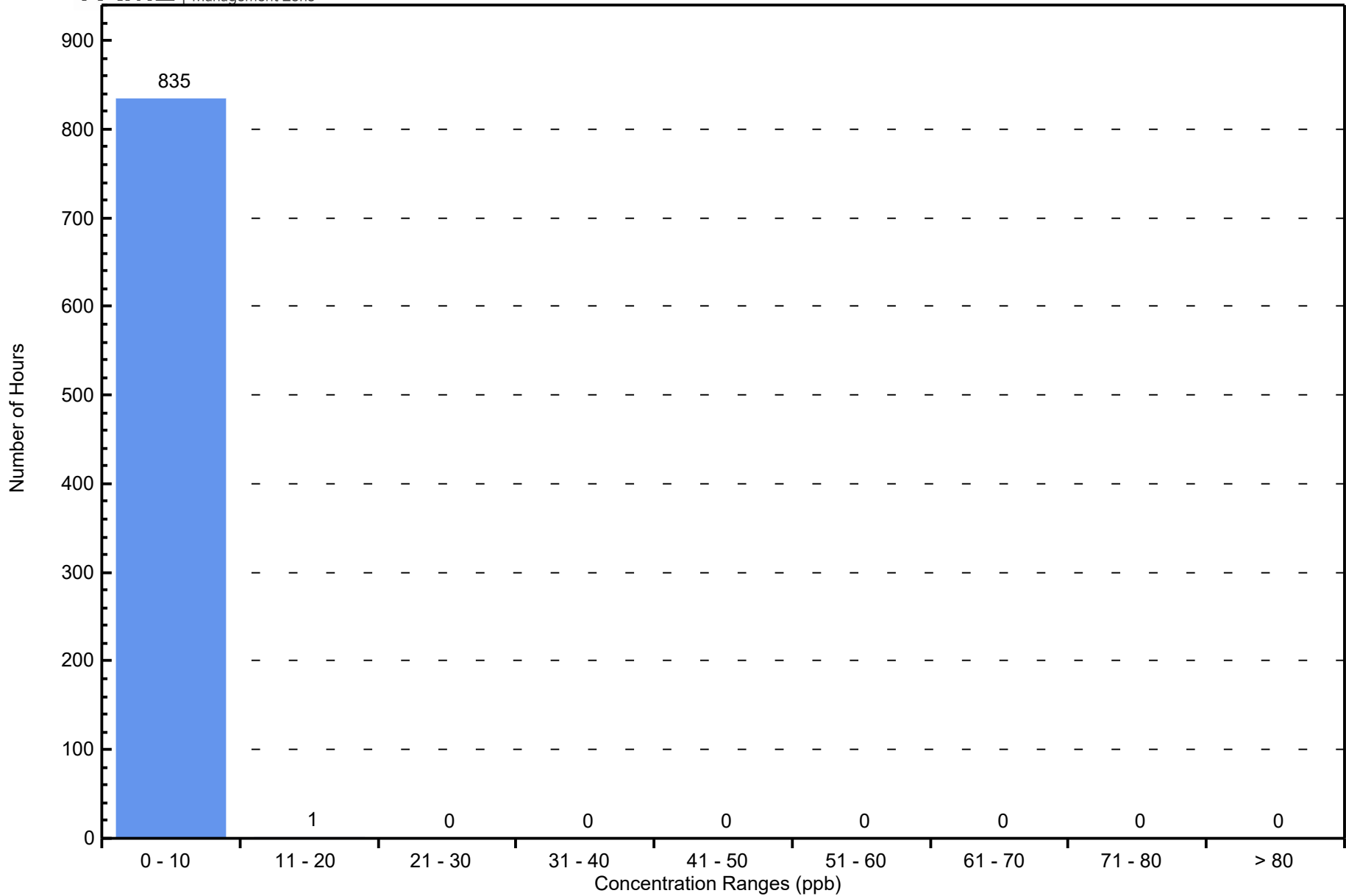
**Nitrogen Oxide (NO) - ppb**  
**Eagle HillN - Mar 1, 2025 to Apr 9, 2025**





# Histogram of Hourly Averages

Nitrogen Oxide (NO) - ppb  
Eagle HillN - March 2025



# Hourly Averages

Ozone (O<sub>3</sub>) - ppb

Eagle HillN - Mar 1, 2025 to Apr 9, 2025

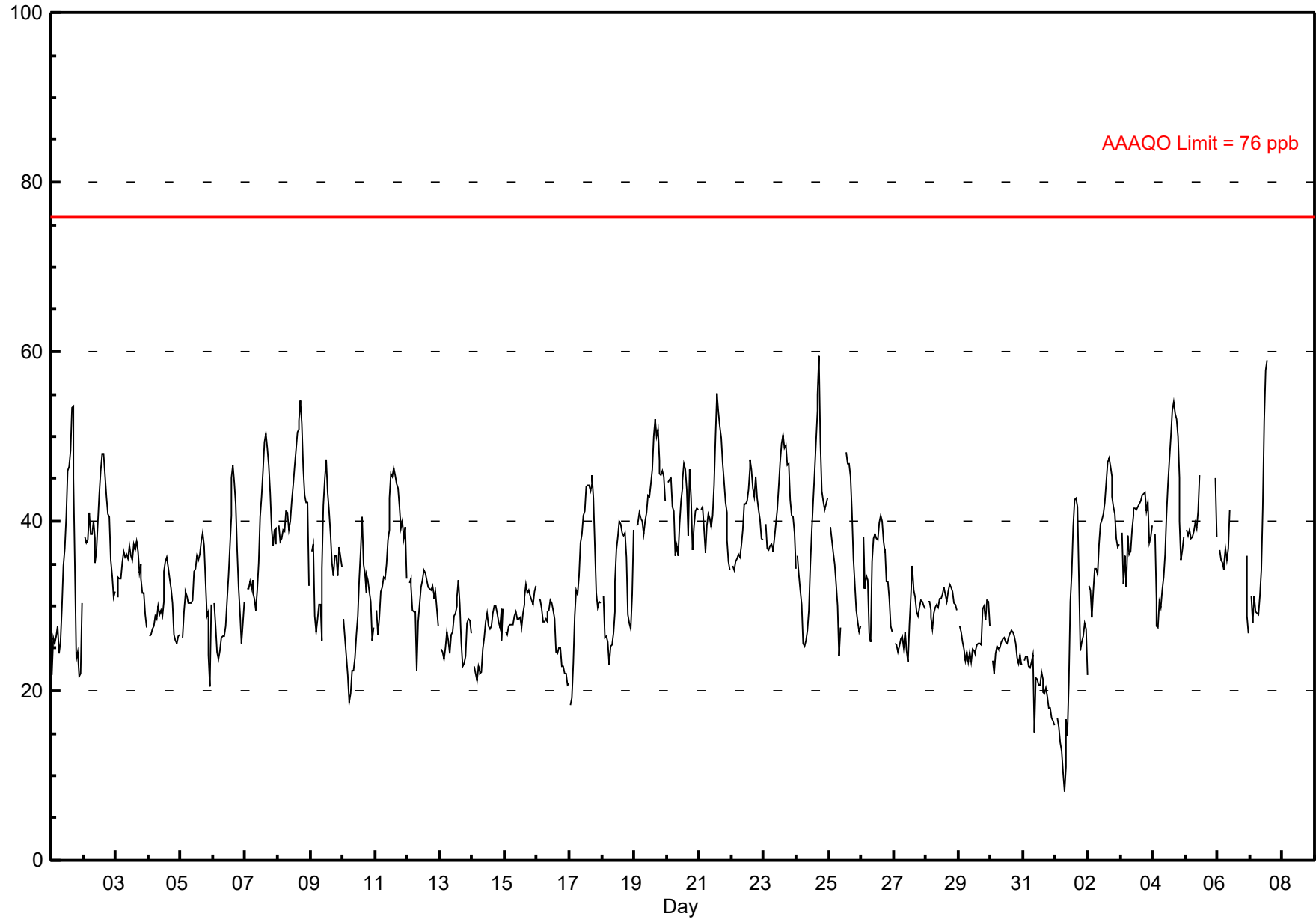
Number of Exceedences (AAAQO):	1-hr: 0	24-hr: 0	Hours in Service:	904
Maximum Value: 59.5 ppb on Mar 24 18:00	Maximum Daily Average: 44.0 ppb on Mar 19		Hours of Data:	837
Minimum Value: 8 ppb on Apr 1 07:00	Minimum Daily Average: 20.5 ppb on Mar 31		Hours of Missing Data:	67
Maximum Diurnal Average: 40.5 ppb at hour 15	Minimum Diurnal Average: 30.1 ppb at hour 7		Hours of Calibration:	45
Monthly Average: 33.99 ppb	Percentiles: P <sub>1</sub> = 16.1 P <sub>10</sub> = 24.3 Q <sub>1</sub> = 27.8 Median = 33.0 Q <sub>3</sub> = 39.9 P <sub>90</sub> = 45.2 P <sub>99</sub> = 53.3		Percent Operational Time:	97.6

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Mar	A	22	26	26	26	28	24	26	30	35	37	41	46	47	48	53	54	45	35	24	25	22	22	30	33.5	53.5
2-Mar	A	38	38	38	41	38	38	40	38	35	37	40	43	46	48	48	45	43	41	41	35	34	31	32	39.4	48.0
3-Mar	A	31	33	33	33	35	36	36	36	36	37	36	35	37	37	38	36	34	35	33	31	32	29	27	34.2	37.7
4-Mar	A	26	27	27	28	29	28	30	29	29	29	30	34	35	36	35	33	32	30	27	26	26	26	27	29.5	35.8
5-Mar	A	26	29	31	32	31	30	30	30	31	34	34	36	35	36	38	39	37	33	29	29	24	21	30	31.6	38.6
6-Mar	A	30	28	25	24	25	26	26	27	28	31	34	37	41	45	47	45	42	37	32	29	26	28	30	32.2	46.6
7-Mar	A	32	32	33	32	33	32	31	30	32	35	41	43	46	49	50	49	47	43	39	37	39	39	37	38.3	50.4
8-Mar	A	40	38	38	39	39	41	41	39	40	42	44	47	48	51	51	52	54	52	46	43	42	42	32	43.5	54.2
9-Mar	A	36	37	29	27	29	30	30	26	34	42	45	47	43	41	39	35	34	36	36	33	37	36	35	35.5	47.3
10-Mar	A	28	26	24	22	19	20	22	22	24	27	29	33	37	40	35	34	32	34	33	32	31	26	28	28.5	40.4
11-Mar	A	29	27	29	32	32	33	33	35	38	39	43	46	45	46	45	44	44	42	39	40	38	39	33	37.9	46.2
12-Mar	A	33	33	32	29	29	29	22	28	30	32	33	34	34	33	32	32	32	32	31	31	32	30	28	31.0	34.2
13-Mar	A	25	25	24	25	27	26	24	27	27	29	29	30	31	33	30	26	23	23	24	28	28	28	27	26.9	33.0
14-Mar	A	23	22	21	23	22	22	22	25	26	28	29	28	27	28	29	30	30	29	28	27	30	26	30	26.3	30.1
15-Mar	A	27	27	28	28	28	28	29	29	29	29	29	28	29	30	31	33	31	32	31	31	30	32	32	29.5	32.5
16-Mar	A	31	31	30	28	28	28	28	29	29	31	30	30	29	25	24	25	25	23	23	22	22	21	21	26.6	30.9
17-Mar	A	18	19	23	29	32	31	34	37	39	41	41	44	44	44	44	44	45	43	37	32	30	31	30	35.3	45.4
18-Mar	A	31	26	26	26	23	25	25	27	29	33	37	38	40	40	39	38	39	36	29	28	27	31	39	31.8	40.0
19-Mar	A	40	40	40	41	40	40	38	40	41	43	43	44	46	50	52	50	51	47	46	45	46	45	42	44.0	52.1
20-Mar	A	45	45	45	42	41	36	37	36	40	42	44	45	47	46	44	38	46	43	37	39	41	42	41	41.8	46.8
21-Mar	A	41	42	39	37	36	39	41	40	39	41	44	50	55	53	51	50	47	45	42	41	38	35	34	42.6	55.1
22-Mar	A	35	34	35	36	36	36	37	39	42	42	42	44	46	47	46	44	43	45	43	41	40	38	38	40.4	47.2
23-Mar	A	40	37	37	37	37	37	36	38	40	41	44	47	49	50	49	49	47	47	43	41	40	39	34	41.6	50.2
24-Mar	A	36	34	32	30	26	25	26	27	29	35	39	42	46	49	53	55	60	49	43	42	41	42	43	39.3	59.5
25-Mar	A	39	38	36	35	33	30	24	27	C	C	C	C	48	47	47	45	41	36	33	30	28	27	28	35.3	48.1
26-Mar	A	32	38	32	34	33	27	26	35	38	38	38	38	40	41	40	38	36	37	33	33	31	28	27	34.4	40.7
27-Mar	A	26	25	25	25	26	26	25	27	25	23	23	28	31	35	32	31	29	29	30	31	30	30	30	27.9	34.8
28-Mar	A	30	31	29	29	27	29	30	30	30	31	31	31	32	31	30	32	32	32	32	30	30	30	29	30.5	32.5
29-Mar	A	28	27	26	25	24	24	23	25	23	25	25	24	25	25	26	26	25	30	30	28	31	30	28	26.2	30.6
30-Mar	A	24	22	24	25	25	25	25	26	26	26	26	26	26	27	27	27	26	26	24	23	24	23	23	25.1	27.2
31-Mar	A	24	24	24	23	23	23	24	15	22	21	21	21	22	21	20	20	20	19	18	18	17	16	16	20.5	24.2
1-Apr	A	17	16	14	13	10	8	11	17	15	21	31	34	39	43	43	42	33	25	26	26	28	27	22	24.3	42.7
2-Apr	A	32	32	29	32	34	34	34	37	40	40	41	42	45	47	47	46	45	43	42	41	38	37	37	38.9	47.4
3-Apr	A	39	33	36	32	38	36	37	39	41	42	42	41	42	42	43	43	43	41	42	37	38	39	39	39.5	43.3
4-Apr	A	39	31	28	28	31	30	32	33	36	41	44	47	50	53	54	53	52	50	45	40	35	37	38	40.2	54.1
5-Apr	A	39	38	39	38	38	39	40	39	41	45	N	N	N	N	N	N	N	N	N	N	N	N	45	--	45.5
6-Apr	A	37	35	35	34	35	37	35	37	41	N	N	N	N	N	N	N	N	N	N	N	N	N	36	--	41.4
7-Apr	A	31	28	31	29	29	29	31	34	42	52	58	59	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	--	58.9
8-Apr	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--
--		31.6	30.8	30.3	30.2	30.2	30.1	30.1	31.2	33.0	35.0	36.5	38.3	39.6	40.5	40.3	39.5	38.5	36.5	33.9	32.9	32.2	31.8	31.4	Diurnal Average	
--		44.6	44.9	45.1	41.7	41.2	41.3	40.9	40.4	42.0	51.9	57.8	58.9	55.1	53.0	54.1	54.9	59.5	51.6	46.2	45.4	46.0	45.3	42.7	Diurnal Maximum	

C - Calibration      N - Not Valid      NS - Not in service      A - Automated Daily Zero Span  
 Alberta Ambient Air Quality Objectives (AAAQO): 1-hr 76 ppb    24-hr na

# Hourly Averages

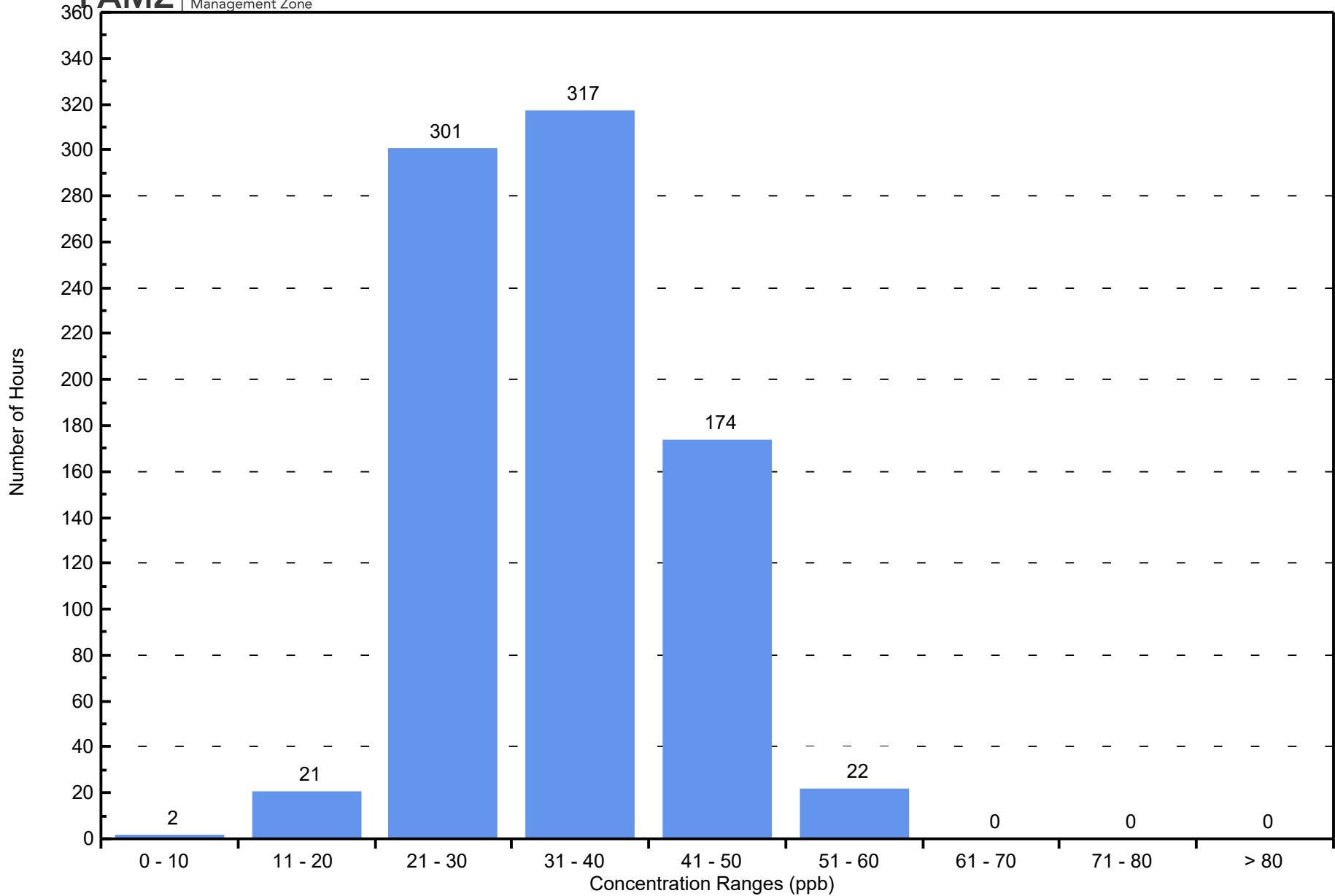
Ozone (O<sub>3</sub>) - ppb  
Eagle HillN - Mar 1, 2025 to Apr 9, 2025





# Histogram of Hourly Averages

Ozone (O<sub>3</sub>) - ppb  
Eagle HillN - March 2025



# Hourly Averages

**PM2.5 (PM<sub>2.5</sub>) - µg/m<sup>3</sup>**

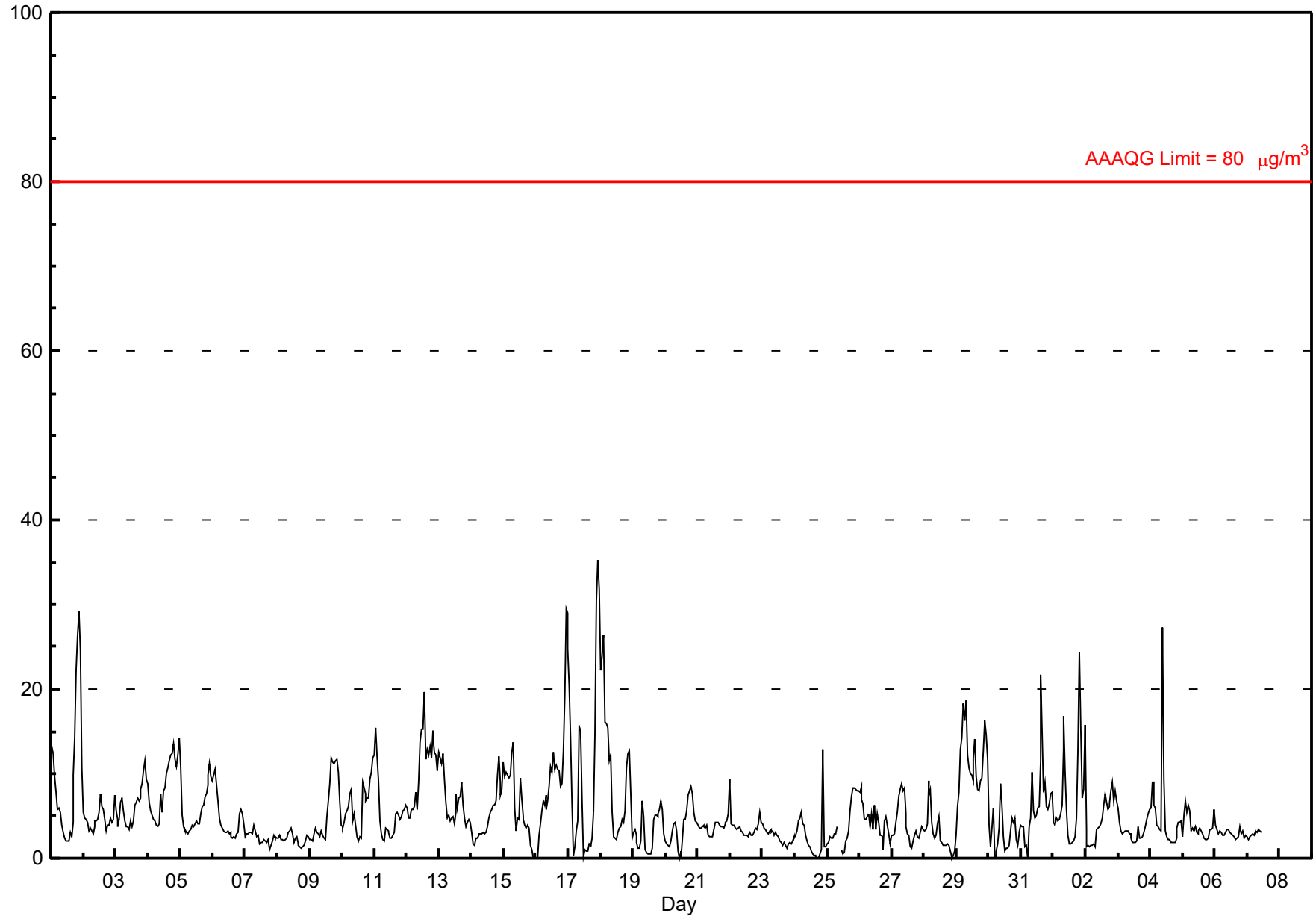
**Eagle HillN - Mar 1, 2025 to Apr 9, 2025**

Number of Exceedences (AAAQO): 1-hr: 0 24-hr: 0	Hours in Service: 903
Maximum Value: 35.2 µg/m <sup>3</sup> on Mar 17 23:00	Maximum Daily Average: 11.5 µg/m <sup>3</sup> on Mar 29
Minimum Value: 0 µg/m <sup>3</sup> on Mar 15 23:00	Hours of Data: 896
Maximum Diurnal Average: 7.9 µg/m <sup>3</sup> at hour 22	Hours of Missing Data: 7
Monthly Average: 5.42 µg/m <sup>3</sup>	Hours of Calibration: 7
Minimum Daily Average: 2.3 µg/m <sup>3</sup> on Mar 8	Percent Operational Time: 100.0
Minimum Diurnal Average: 3.7 µg/m <sup>3</sup> at hour 13	
Percentiles: P <sub>1</sub> = 0.1 P <sub>10</sub> = 1.7 Q <sub>1</sub> = 2.7 Median = 3.9 Q <sub>3</sub> = 6.8 P <sub>90</sub> = 11.4 P <sub>99</sub> = 24.9	

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Mar	13	13	12	10	8	6	6	5	4	3	2	2	2	2	3	3	4	10	14	22	26	29	25	11	9.8	29.1																							
2-Mar	5	5	5	4	3	3	3	3	4	4	4	4	5	5	8	6	6	5	3	4	4	5	4	5	8	4.6	7.6																						
3-Mar	6	5	4	5	7	7	6	4	4	4	3	4	4	4	6	7	7	7	7	8	9	10	11	9	6.1	11.5																							
4-Mar	9	7	6	5	5	4	4	4	4	8	5	8	8	8	10	11	12	12	12	13	12	11	12	14	8.5	14.3																							
5-Mar	11	5	4	3	3	3	3	3	3	4	4	4	4	4	5	6	6	7	8	9	10	11	10	5.6	11.2																								
6-Mar	9	10	10	9	7	5	4	4	3	3	3	3	3	3	2	3	2	3	3	5	6	5	4	4.7	10.5																								
7-Mar	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	1	2	2	3	2	3	2.4	3.9																							
8-Mar	2	2	3	2	2	2	2	2	3	3	4	3	2	2	2	2	2	1	1	1	2	2	3	3	2.3	3.5																							
9-Mar	2	2	2	3	4	3	3	2	3	3	3	2	2	5	7	9	12	11	11	11	12	10	7	4	5.6	11.8																							
10-Mar	4	4	4	5	6	6	8	8	4	5	4	3	2	2	2	9	8	8	7	7	7	9	10	12	6.0	11.8																							
11-Mar	12	15	12	9	4	3	2	2	4	3	3	2	2	3	3	3	5	5	5	5	5	6	6	6	5.3	15.5																							
12-Mar	6	5	5	5	6	6	6	8	6	9	14	15	15	20	12	13	12	13	12	15	14	13	12	10	10.4	19.6																							
13-Mar	13	12	11	12	9	7	5	5	4	5	5	4	5	8	6	7	7	9	6	5	4	4	5	4	6.8	12.6																							
14-Mar	3	2	2	2	2	3	3	3	3	3	3	3	4	5	5	6	6	6	7	10	12	9	8	8	4.9	12.1																							
15-Mar	11	10	10	10	10	10	13	14	6	3	5	5	9	7	5	5	4	3	4	3	1	1	0	0	6.2	13.8																							
16-Mar	0	0	3	4	6	7	6	7	6	7	9	11	10	12	11	11	11	10	9	9	13	19	30	29	9.9	29.6																							
17-Mar	25	21	14	7	0	1	3	4	16	15	7	0	1	1	1	2	2	1	2	5	15	30	35	32	10.0	35.2																							
18-Mar	22	24	26	16	16	15	11	12	5	3	3	2	2	3	4	4	5	4	6	11	12	13	8	2	9.5	26.4																							
19-Mar	3	3	3	2	1	1	2	7	5	1	1	0	0	1	1	5	5	5	5	5	6	7	6	3	3.2	6.8																							
20-Mar	2	2	2	1	2	3	4	4	3	1	0	1	0	2	5	5	6	7	8	8	8	5	4	4	3.6	8.5																							
21-Mar	4	4	4	4	4	4	4	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	3.7	5.2																							
22-Mar	9	4	4	4	4	3	4	4	3	3	3	3	3	2	3	3	3	3	3	4	3	4	5	4	3.6	9.3																							
23-Mar	4	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	1	2	2	2	2	3	2.6	4.1																							
24-Mar	2	3	3	4	5	5	4	4	3	2	1	1	1	1	0	0	0	0	0	1	1	13	1	1	2.4	12.9																							
25-Mar	2	2	2	2	2	3	3	4	C	C	C	1	0	1	2	2	3	6	7	8	8	8	8	8	4.0	8.3																							
26-Mar	8	9	7	6	5	5	5	5	4	5	3	6	3	5	4	3	3	2	1	4	5	4	3	2	4.5	8.5																							
27-Mar	3	3	3	4	5	7	8	9	8	8	5	4	3	3	1	1	2	3	3	2	2	3	4	3	4.1	8.7																							
28-Mar	3	3	4	9	7	8	4	3	2	3	4	5	2	2	1	2	2	2	1	1	0	0	0	1	3.0	9.2																							
29-Mar	3	6	8	13	14	18	16	19	12	11	10	10	9	12	14	10	8	8	9	9	13	16	15	12	11.5	18.7																							
30-Mar	4	1	4	6	0	0	1	2	3	9	6	3	1	1	1	2	3	5	4	5	2	2	3	3	2.9	8.9																							
31-Mar	4	4	4	1	1	0	4	5	10	6	5	5	6	6	11	22	15	8	9	6	6	7	8	8	6.6	21.8																							
1-Apr	4	4	5	4	5	5	6	13	17	11	6	3	2	2	2	2	3	5	13	24	15	7	8	16	7.5	24.4																							
2-Apr	3	1	2	1	1	2	2	1	3	3	4	4	5	6	8	7	6	6	6	8	9	7	8	7	4.6	9.1																							
3-Apr	6	4	3	3	3	3	3	3	3	3	2	2	2	2	2	4	2	2	2	3	3	4	5	6	3.2	5.9																							
4-Apr	6	9	9	6	6	4	4	3	3	27	9	3	2	2	2	2	2	2	2	2	4	4	4	4	5.1	27.3																							
5-Apr	3	5	7	5	6	6	3	4	3	4	3	3	3	3	3	3	2	2	2	2	3	3	4	6	3.7	6.7																							
6-Apr	4	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	4	3	3	2	2	3	3	2.9	4.0																							
7-Apr	3	2	3	3	3	3	3	3	3	3	3	C	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	3.4																							
8-Apr	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--																						
																								6.2	5.8	5.7	5.3	4.8	4.8	4.6	5.2	4.9	5.3	4.3	3.8	3.7	4.3	4.4	5.0	5.0	5.1	5.5	6.6	7.1	7.9	7.8	7.2	Diurnal Average	
																								24.8	24.0	26.4	16.0	15.9	18.3	16.3	18.7	16.8	27.3	13.7	15.3	15.3	19.6	14.1	21.8	15.0	13.3	14.3	24.4	26.2	30.3	35.2	31.9	Diurnal Maximum	

# Hourly Averages

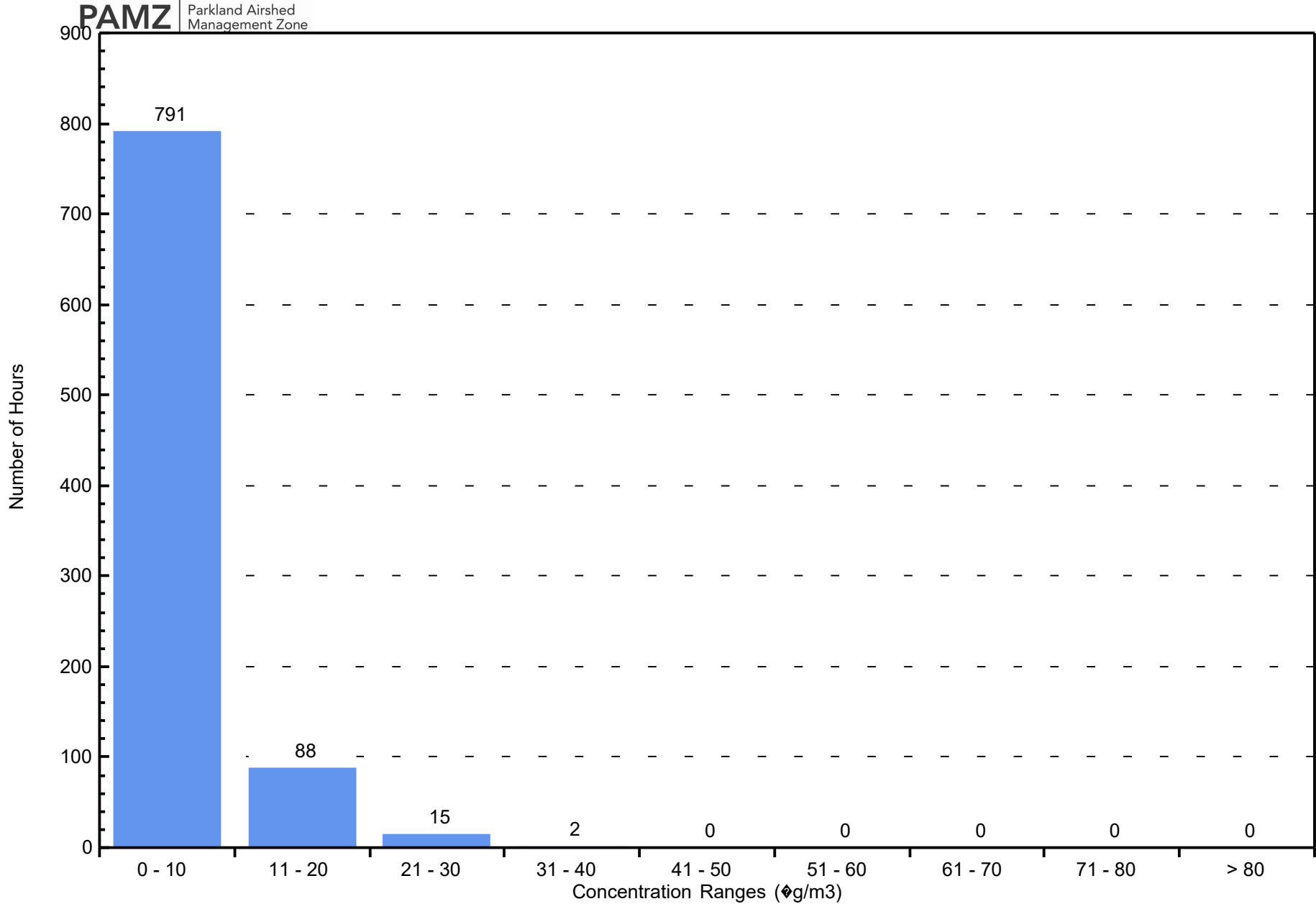
**PM2.5 (PM<sub>2.5</sub>) -  $\mu\text{g}/\text{m}^3$**   
**Eagle HillN - Mar 1, 2025 to Apr 9, 2025**





# Histogram of Hourly Averages

PM2.5 (PM<sub>2.5</sub>) -  $\mu\text{g}/\text{m}^3$   
Eagle HillN - March 2025



# Hourly Averages

## Total Hydrocarbons (THC) - ppm Eagle HillN - Mar 1, 2025 to Apr 9, 2025

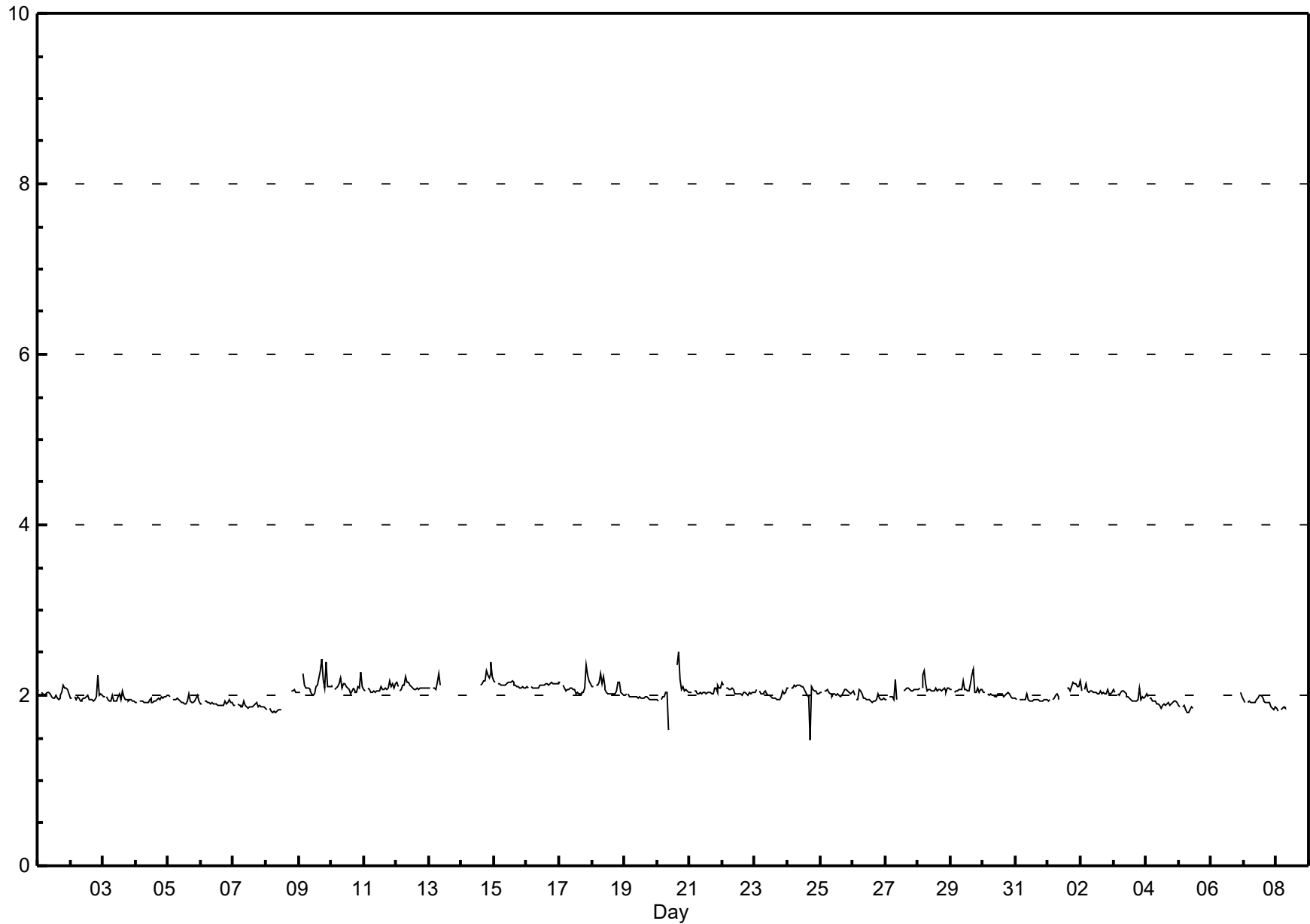
Number of Exceedences (AAAQO):	1-hr: 0	24-hr: 0	Hours in Service:	925
Maximum Value: 2.51 ppm on Mar 20 17:00	Maximum Daily Average: 2.13 ppm on Mar 9		Hours of Data:	798
Minimum Value: 1.5 ppm on Mar 24 18:00	Minimum Daily Average: 1.88 ppm on Mar 7		Hours of Missing Data:	127
Maximum Diurnal Average: 2.05 ppm at hour 21	Minimum Diurnal Average: 2.00 ppm at hour 11		Hours of Calibration:	73
Monthly Average: 2.018 ppm	Percentiles: P <sub>1</sub> = 1.82 P <sub>10</sub> = 1.91 Q <sub>1</sub> = 1.95 Median = 2.02 Q <sub>3</sub> = 2.08 P <sub>90</sub> = 2.13 P <sub>99</sub> = 2.28		Percent Operational Time:	94.2

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																											
1-Mar	2.1	2.1	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.0	2.02	2.11																									
2-Mar	2.0	2.0	A	2.0	2.0	2.0	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.2	2.0	2.0	2.0	1.98	2.25																									
3-Mar	2.0	2.0	A	2.0	1.9	1.9	1.9	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.0	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.96	2.06																									
4-Mar	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.94	2.00																									
5-Mar	2.0	2.0	A	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.0	1.9	1.95	2.01																									
6-Mar	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.90	1.94																									
7-Mar	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.88	1.93																									
8-Mar	1.8	1.8	A	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	C	C	C	C	C	C	C	C	2.1	2.0	2.1	2.0	2.0	--	2.06																									
9-Mar	2.0	2.0	A	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.3	2.4	2.2	2.1	2.4	2.1	2.1	2.1	2.13	2.42																									
10-Mar	2.1	2.1	A	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.0	2.0	2.1	2.1	2.3	2.1	2.10	2.26																									
11-Mar	2.1	2.1	A	2.1	2.1	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.08	2.17																									
12-Mar	2.2	2.1	A	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.10	2.22																									
13-Mar	2.1	2.1	A	2.1	2.1	2.1	2.2	2.2	2.1	C	C	C	C	C	M	M	M	M	M	M	M	M	M	M	--	2.25																									
14-Mar	M	M	M	M	M	M	M	M	M	M	C	C	C	C	2.1	2.1	2.2	2.2	2.3	2.2	2.2	2.2	2.4	2.2	--	2.39																									
15-Mar	2.2	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.12	2.17																									
16-Mar	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.11	2.15																									
17-Mar	2.2	2.2	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.3	2.2	2.2	2.1	2.10	2.35																									
18-Mar	2.1	2.1	A	2.1	2.1	2.1	2.2	2.1	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.0	2.0	2.0	2.08	2.25																									
19-Mar	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	1.98	2.01																									
20-Mar	1.9	1.9	A	1.9	2.0	2.0	2.0	2.0	1.6	C	C	C	C	C	C	2.4	2.5	2.2	2.1	2.1	2.0	2.1	2.0	2.0	--	2.51																									
21-Mar	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.1	2.1	2.1	2.04	2.13																									
22-Mar	2.2	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.05	2.15																									
23-Mar	2.0	2.1	A	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.1	2.01	2.09																									
24-Mar	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.5	2.1	2.1	2.0	2.1	2.0	2.0	2.04	2.12																									
25-Mar	2.0	2.0	A	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.03	2.08																									
26-Mar	2.0	2.0	A	1.9	2.0	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	2.0	2.0	1.97	2.08																										
27-Mar	2.0	1.9	A	2.0	2.0	2.0	2.0	2.2	1.9	C	C	C	C	C	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.03	2.18																									
28-Mar	2.1	2.1	A	2.1	2.2	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.0	2.0	2.1	2.1	2.09	2.28																									
29-Mar	2.1	2.1	A	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.2	2.3	2.0	2.0	2.1	2.0	2.1	2.1	2.09	2.31																									
30-Mar	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.00	2.03																									
31-Mar	2.0	2.0	A	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.95	2.01																									
1-Apr	1.9	1.9	A	1.9	2.0	2.0	2.0	2.0	2.0	C	C	C	C	C	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.05	2.18																									
2-Apr	2.1	2.0	A	2.1	2.1	2.1	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.04	2.13																									
3-Apr	2.1	2.0	A	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.1	1.9	2.0	2.0	2.0	1.99	2.09																									
4-Apr	2.0	2.0	A	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.92	2.02																									
5-Apr	1.9	1.9	A	1.9	1.9	1.8	1.8	1.8	1.8	1.9	1.9	N	N	N	N	N	N	N	N	N	N	N	N	N	--	1.89																									
6-Apr	N	N	A	N	N	N	N	N	N	1.9	1.9	N	N	N	N	N	N	N	N	N	N	N	2.0	2.0	--	2.03																									
7-Apr	2.0	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.92	2.01																									
8-Apr	1.9	1.8	A	1.8	1.8	1.9	1.8	1.9	N	N	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	1.87																									
																								2.02	2.01	--	2.01	2.01	2.01	2.01	2.02	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.02	2.03	2.02	2.03	2.04	2.05	2.03	2.04	2.03	Diurnal Average			
																								2.16	2.16	--	2.25	2.23	2.28	2.25	2.25	2.21	2.00	2.18	2.00	2.15	2.15	2.15	2.17	2.15	2.02	2.36	2.51	2.42	2.29	2.24	2.38	2.25	2.39	2.22	Diurnal Maximum

C - Calibration      M - Maintenance      N - Not Valid      NS - Not in service      A - Automated Daily Zero Span

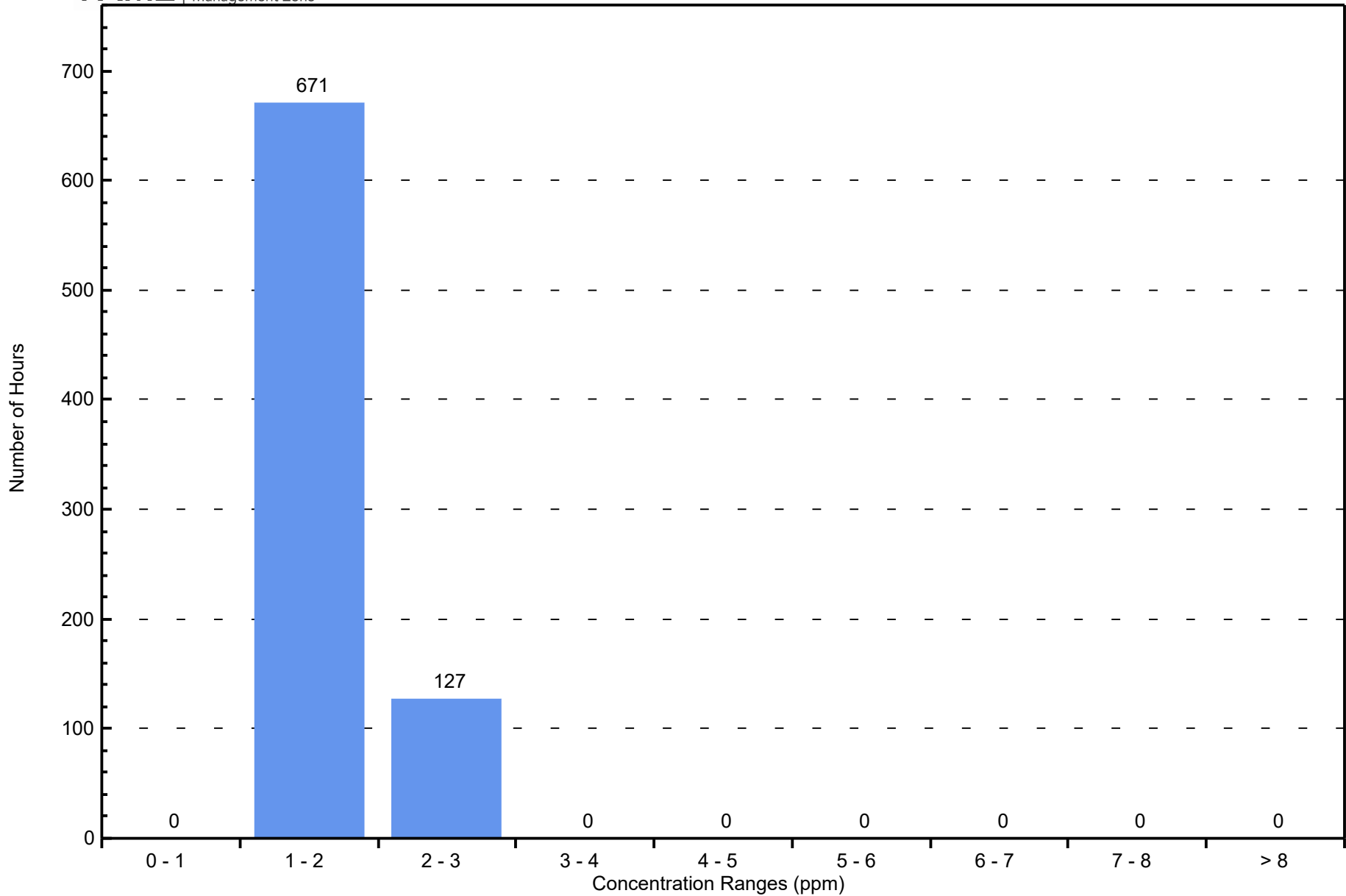
## Hourly Averages

**Total Hydrocarbons (THC) - ppm**  
**Eagle HillN - Mar 1, 2025 to Apr 9, 2025**



# Histogram of Hourly Averages

Total Hydrocarbons (THC) - ppm  
Eagle HillN - March 2025



# Hourly Averages

Methane (CH<sub>4</sub>) - ppm

Eagle HillN - Mar 1, 2025 to Apr 9, 2025

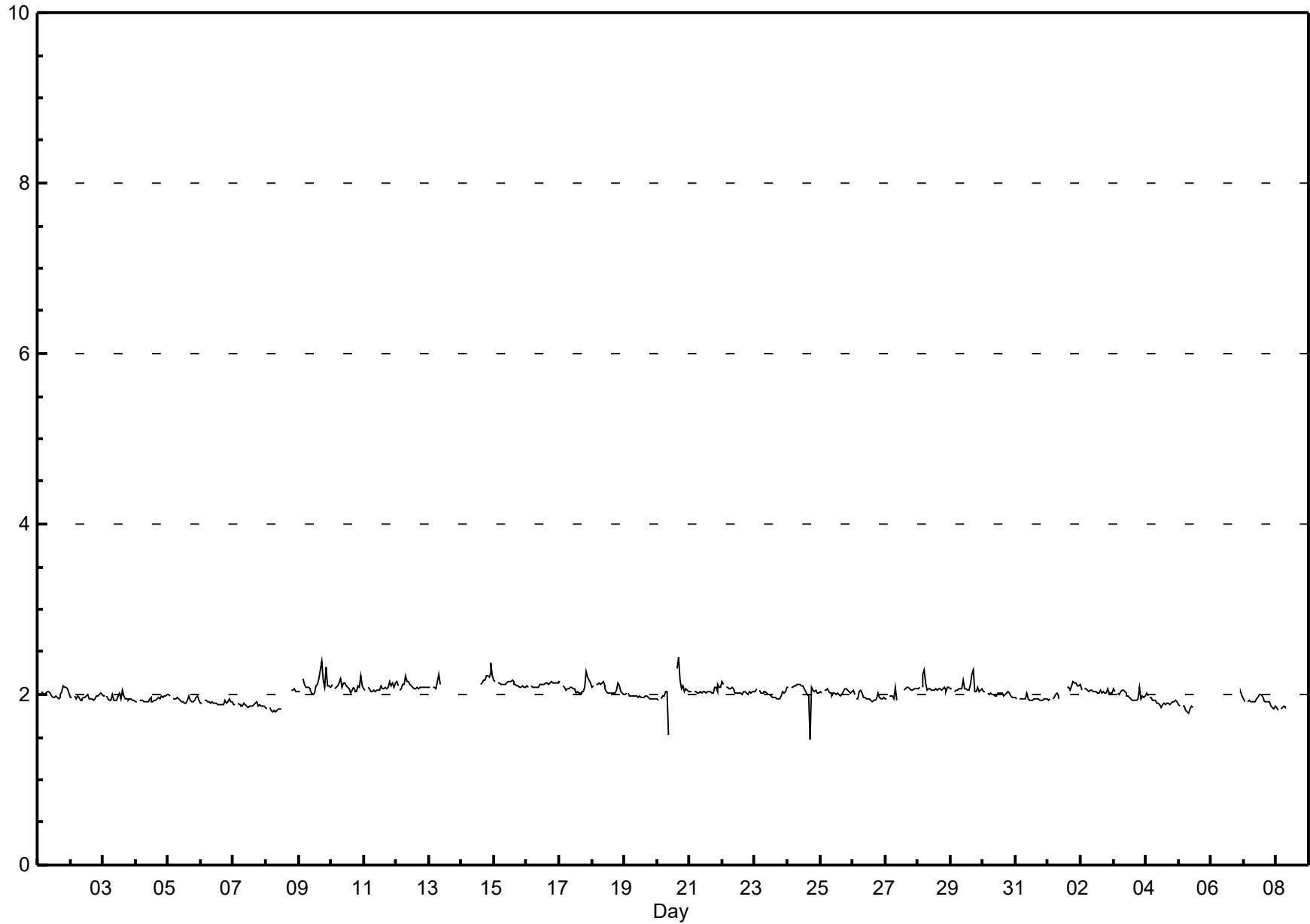
Number of Exceedences (AAAQO):	1-hr: 0	24-hr: 0	Hours in Service:	925
Maximum Value: 2.44 ppm on Mar 20 17:00	Maximum Daily Average: 2.12 ppm on Mar 15		Hours of Data:	798
Minimum Value: 1.5 ppm on Mar 24 18:00	Minimum Daily Average: 1.88 ppm on Mar 7		Hours of Missing Data:	127
Maximum Diurnal Average: 2.04 ppm at hour 21	Minimum Diurnal Average: 1.99 ppm at hour 9		Hours of Calibration:	72
Monthly Average: 2.015 ppm	Percentiles: P <sub>1</sub> = 1.82 P <sub>10</sub> = 1.91 Q <sub>1</sub> = 1.95 Median = 2.02 Q <sub>3</sub> = 2.08 P <sub>90</sub> = 2.12 P <sub>99</sub> = 2.28		Percent Operational Time:	94.1

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																										
1-Mar	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.0	2.02	2.11																								
2-Mar	2.0	2.0	A	2.0	2.0	2.0	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	1.97	2.01																								
3-Mar	2.0	2.0	A	2.0	1.9	1.9	1.9	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.0	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.96	2.05																								
4-Mar	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.94	2.00																								
5-Mar	2.0	2.0	A	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.0	1.9	1.94	1.99																								
6-Mar	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.90	1.94																								
7-Mar	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.88	1.91																								
8-Mar	1.8	1.8	A	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	C	C	C	C	C	C	C	2.1	2.0	2.1	2.0	2.0	--	2.06																								
9-Mar	2.0	2.0	A	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.3	2.4	2.2	2.1	2.3	2.1	2.1	2.1	2.12	2.39																								
10-Mar	2.1	2.1	A	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.0	2.0	2.1	2.1	2.2	2.1	2.09	2.22																								
11-Mar	2.1	2.1	A	2.1	2.1	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.07	2.15																								
12-Mar	2.2	2.1	A	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.10	2.22																								
13-Mar	2.1	2.1	A	2.1	2.1	2.1	2.1	2.2	2.1	C	C	C	C	C	M	M	M	M	M	M	M	M	M	M	--	2.23																								
14-Mar	M	M	M	M	M	M	M	M	M	M	C	C	C	C	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.2	--	2.37																								
15-Mar	2.2	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.12	2.17																								
16-Mar	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.11	2.15																								
17-Mar	2.1	2.2	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.3	2.2	2.2	2.1	2.09	2.28																								
18-Mar	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.07	2.15																								
19-Mar	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	1.98	2.01																								
20-Mar	1.9	1.9	A	1.9	2.0	2.0	2.0	2.0	1.5	C	C	C	C	C	C	2.3	2.4	2.2	2.1	2.1	2.0	2.1	2.0	2.0	--	2.44																								
21-Mar	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.1	2.1	2.1	2.04	2.12																								
22-Mar	2.2	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.05	2.15																								
23-Mar	2.0	2.1	A	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.01	2.08																								
24-Mar	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.5	2.1	2.0	2.0	2.1	2.0	2.0	2.04	2.12																								
25-Mar	2.0	2.0	A	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.03	2.08																								
26-Mar	2.0	2.0	A	1.9	2.0	2.0	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	2.0	2.0	1.97	2.05																									
27-Mar	2.0	1.9	A	2.0	2.0	2.0	2.0	2.1	1.9	C	C	C	C	C	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.03	2.08																								
28-Mar	2.1	2.1	A	2.1	2.2	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.08	2.28																								
29-Mar	2.1	2.1	A	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.2	2.3	2.0	2.0	2.1	2.0	2.1	2.1	2.08	2.29																								
30-Mar	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.00	2.03																								
31-Mar	2.0	2.0	A	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.95	2.01																								
1-Apr	1.9	1.9	A	1.9	2.0	2.0	2.0	2.0	2.0	C	C	C	C	C	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.04	2.15																								
2-Apr	2.1	2.0	A	2.1	2.1	2.1	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.04	2.07																								
3-Apr	2.1	2.0	A	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.1	1.9	2.0	2.0	2.0	1.99	2.09																								
4-Apr	2.0	2.0	A	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.92	2.02																								
5-Apr	1.9	1.9	A	1.9	1.9	1.8	1.8	1.8	1.8	1.9	1.9	N	N	N	N	N	N	N	N	N	N	N	N	N	--	1.89																								
6-Apr	N	N	N	N	N	N	N	N	N	1.9	1.9	N	N	N	N	N	N	N	N	N	N	2.0	2.0	2.0	--	2.03																								
7-Apr	2.0	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.92	2.01																								
8-Apr	1.9	1.8	A	1.8	1.8	1.9	1.8	1.9	N	N	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	1.87																								
																								2.02	2.01	--	2.01	2.01	2.01	2.01	2.02	1.99	2.00	2.00	2.00	2.00	2.00	2.01	2.02	2.03	2.01	2.02	2.04	2.03	2.03	2.03	2.03	Diurnal Average		
																								2.16	2.16	--	2.19	2.23	2.28	2.15	2.23	2.15	2.18	2.00	2.15	2.15	2.15	2.17	2.15	2.02	2.31	2.44	2.39	2.22	2.22	2.33	2.25	2.37	2.22	Diurnal Maximum

C - Calibration      M - Maintenance      N - Not Valid      NS - Not in service      A - Automated Daily Zero Span

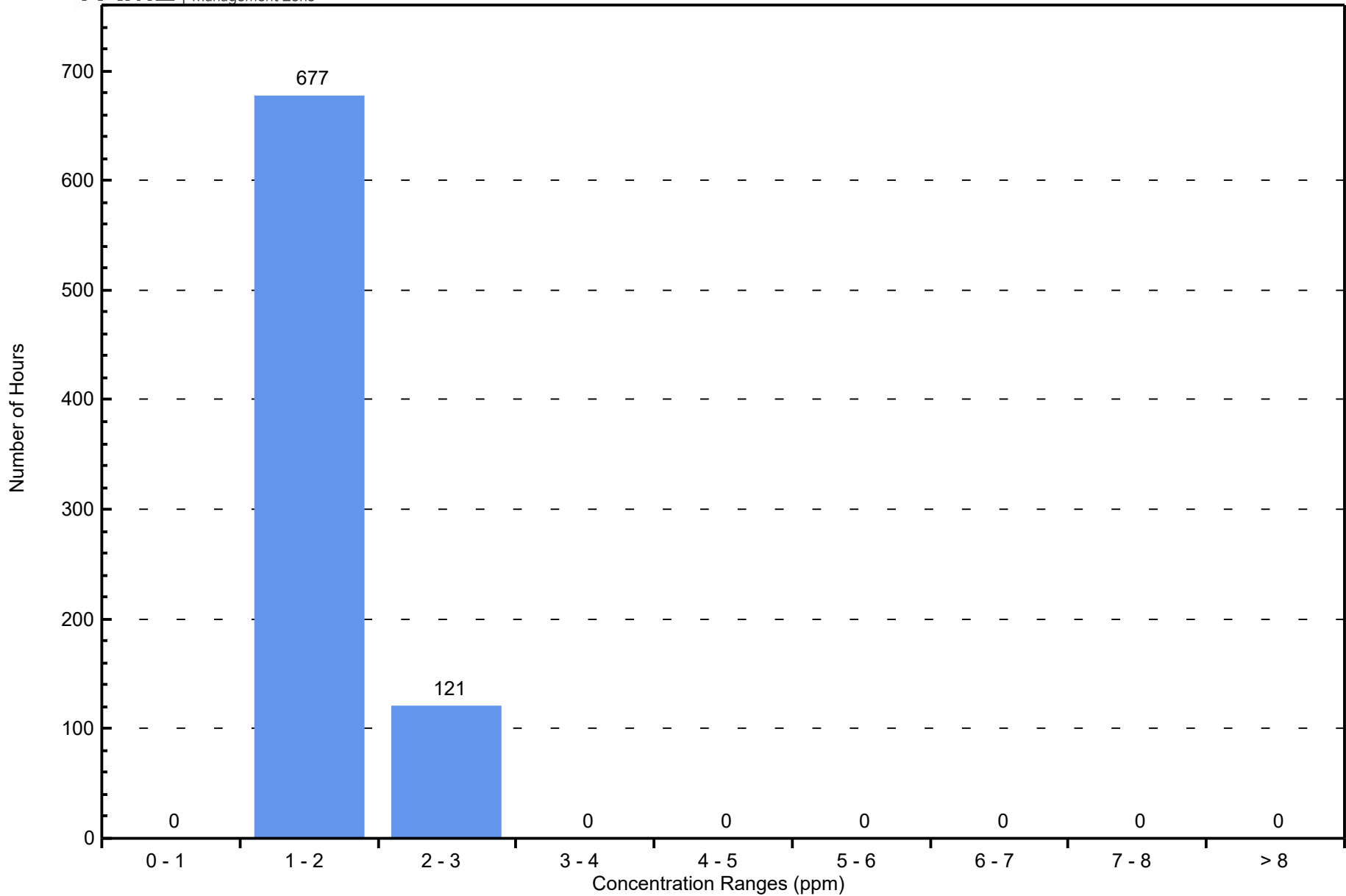
# Hourly Averages

Methane (CH<sub>4</sub>) - ppm  
Eagle HillN - Mar 1, 2025 to Apr 9, 2025



# Histogram of Hourly Averages

Methane (CH<sub>4</sub>) - ppm  
Eagle HillN - March 2025



# Hourly Averages

## Non Methane Hydrocarbon (NMHC) - ppm

### Eagle HillN - Mar 1, 2025 to Apr 9, 2025

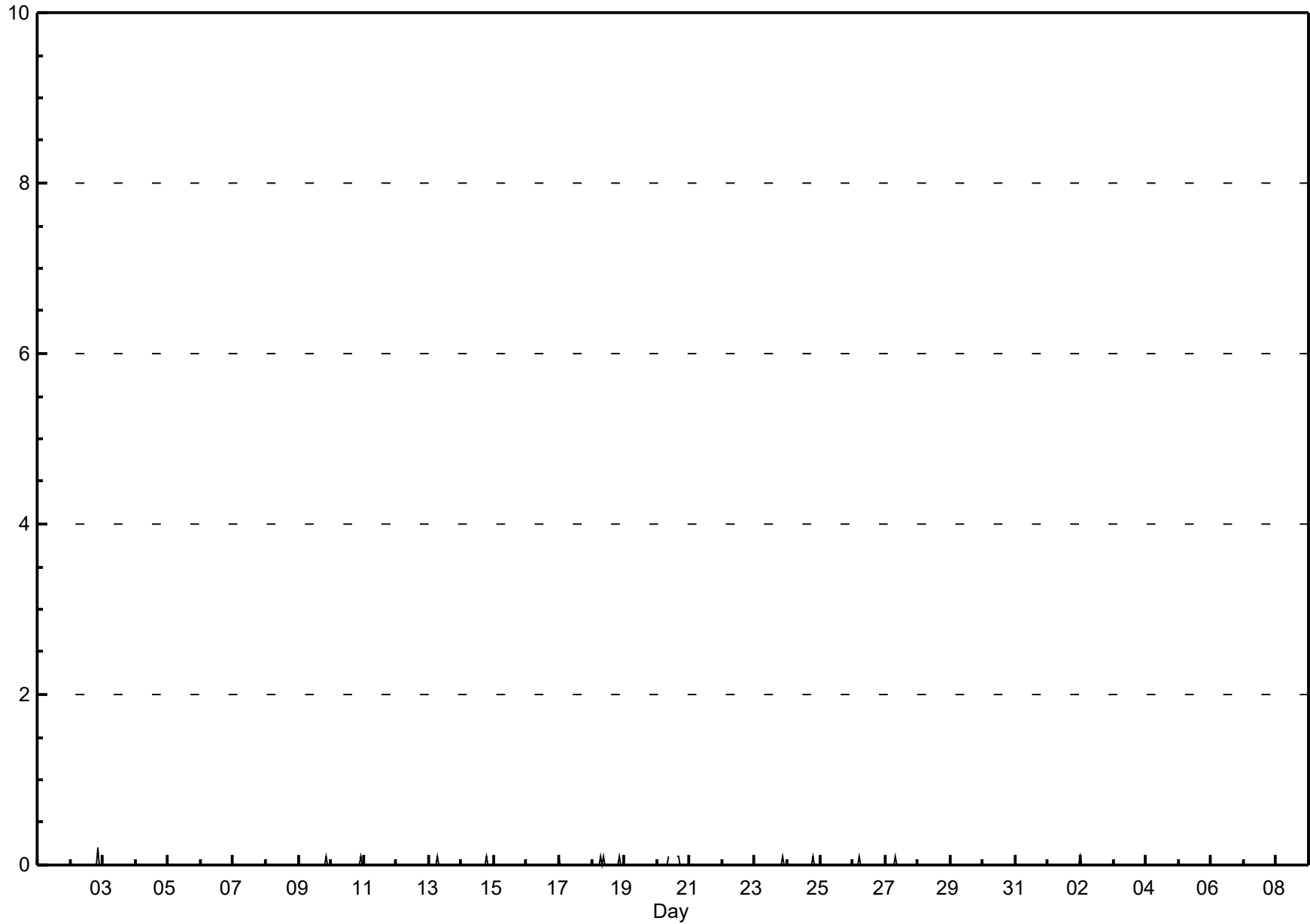
Number of Exceedences (AAAQO):	1-hr: 0	24-hr: 0	Hours in Service:	925
Maximum Value: 0.20 ppm on Mar 2 21:00	Maximum Daily Average: 0.01 ppm on Mar 18		Hours of Data:	798
Minimum Value: 0.0 ppm on Mar 1 04:00	Minimum Daily Average: 0.00 ppm on Mar 3		Hours of Missing Data:	127
Maximum Diurnal Average: 0.01 ppm at hour 21	Minimum Diurnal Average: 0.00 ppm at hour 4		Hours of Calibration:	73
Monthly Average: 0.003 ppm	Percentiles: P <sub>1</sub> = 0.00 P <sub>10</sub> = 0.00 Q <sub>1</sub> = 0.00 Median = 0.00 Q <sub>3</sub> = 0.00 P <sub>90</sub> = 0.00 P <sub>99</sub> = 0.10		Percent Operational Time:	94.2

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																								
1-Mar	0.1	0.1	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10																						
2-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.01	0.20																						
3-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
4-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
5-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
6-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
7-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
8-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C	C	C	C	C	C	C	0.0	0.0	0.0	0.0	0.0	--	0.00																						
9-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.10																						
10-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.00	0.10																						
11-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
12-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
13-Mar	0.0	0.0	A	0.0	0.0	0.0	0.1	0.0	0.0	C	C	C	C	C	M	M	M	M	M	M	M	M	M	M	--	0.10																						
14-Mar	M	M	M	M	M	M	M	M	M	M	C	C	C	C	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	--	0.10																						
15-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
16-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
17-Mar	0.1	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																						
18-Mar	0.0	0.0	A	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.01	0.10																						
19-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
20-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.1	C	C	C	C	C	C	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.10																						
21-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
22-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
23-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.10																						
24-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.00	0.10																						
25-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
26-Mar	0.0	0.0	A	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.10																						
27-Mar	0.0	0.0	A	0.0	0.0	0.0	0.1	0.0	C	C	C	C	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.10																						
28-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
29-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
30-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
31-Mar	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
1-Apr	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	C	C	C	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.01	0.10																						
2-Apr	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
3-Apr	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
4-Apr	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
5-Apr	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.00																						
6-Apr	N	N	A	N	N	N	N	N	N	0.0	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0	--	0.00																						
7-Apr	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00																						
8-Apr	0.0	0.0	A	0.0	0.0	0.0	0.0	0.0	N	N	C	C	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	0.00																						
																								0.01	0.00	--	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	Diurnal Average	
																								0.10	0.10	--	0.00	0.00	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.00	0.10	0.20	0.00	0.10	0.10	Diurnal Maximum	

C - Calibration      M - Maintenance      N - Not Valid      NS - Not in service      A - Automated Daily Zero Span

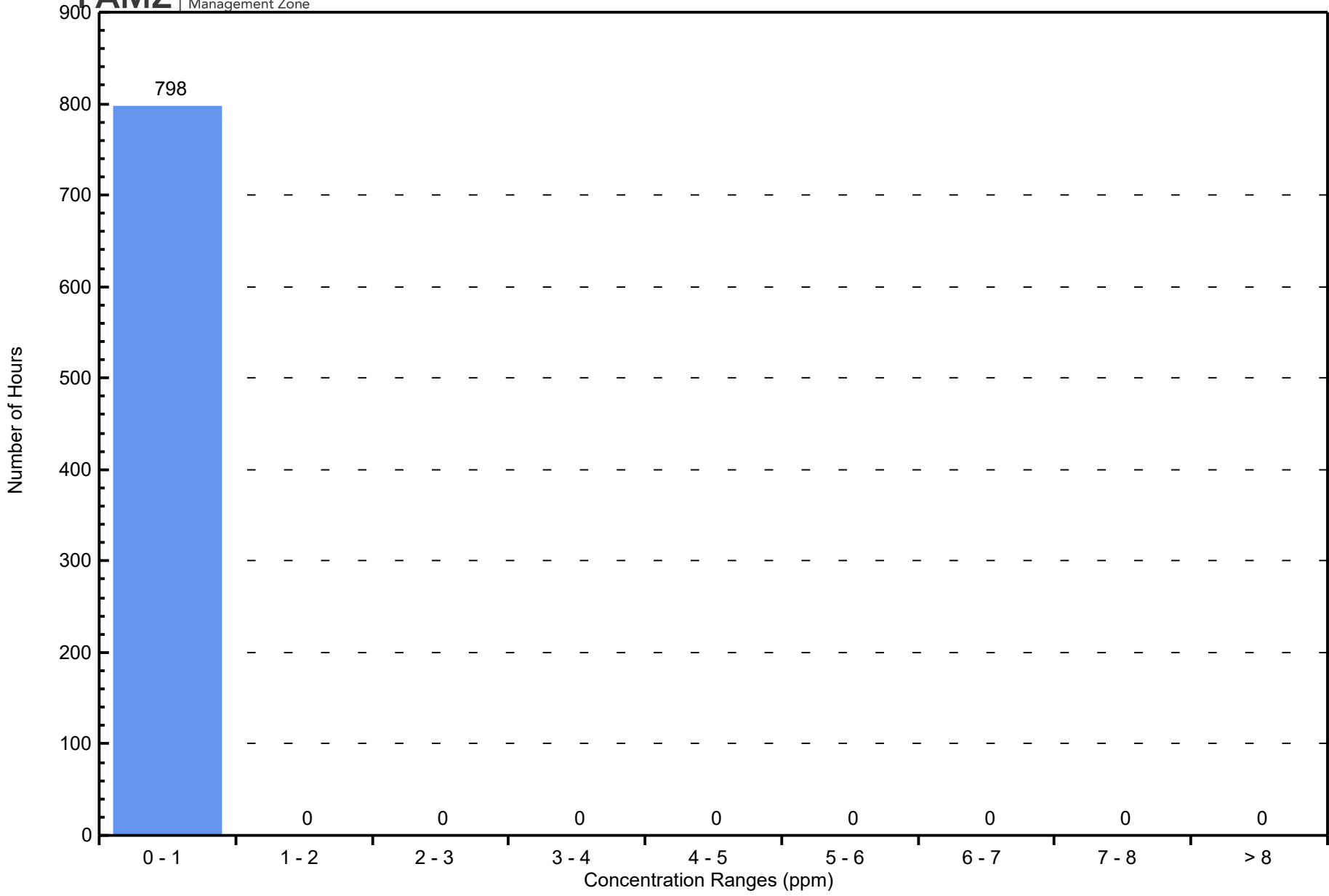
## Hourly Averages

**Non Methane Hydrocarbon (NMHC) - ppm**  
**Eagle HillN - Mar 1, 2025 to Apr 9, 2025**





# Non Methane Hydrocarbon (NMHC) - ppm Histogram of Hourly Averages Eagle HillN - March 2025



# Hourly Averages

Wind Speed (km/h)

Wind Direction (deg)

Eagle HillN - Mar 1, 2025 to Apr 9, 2025

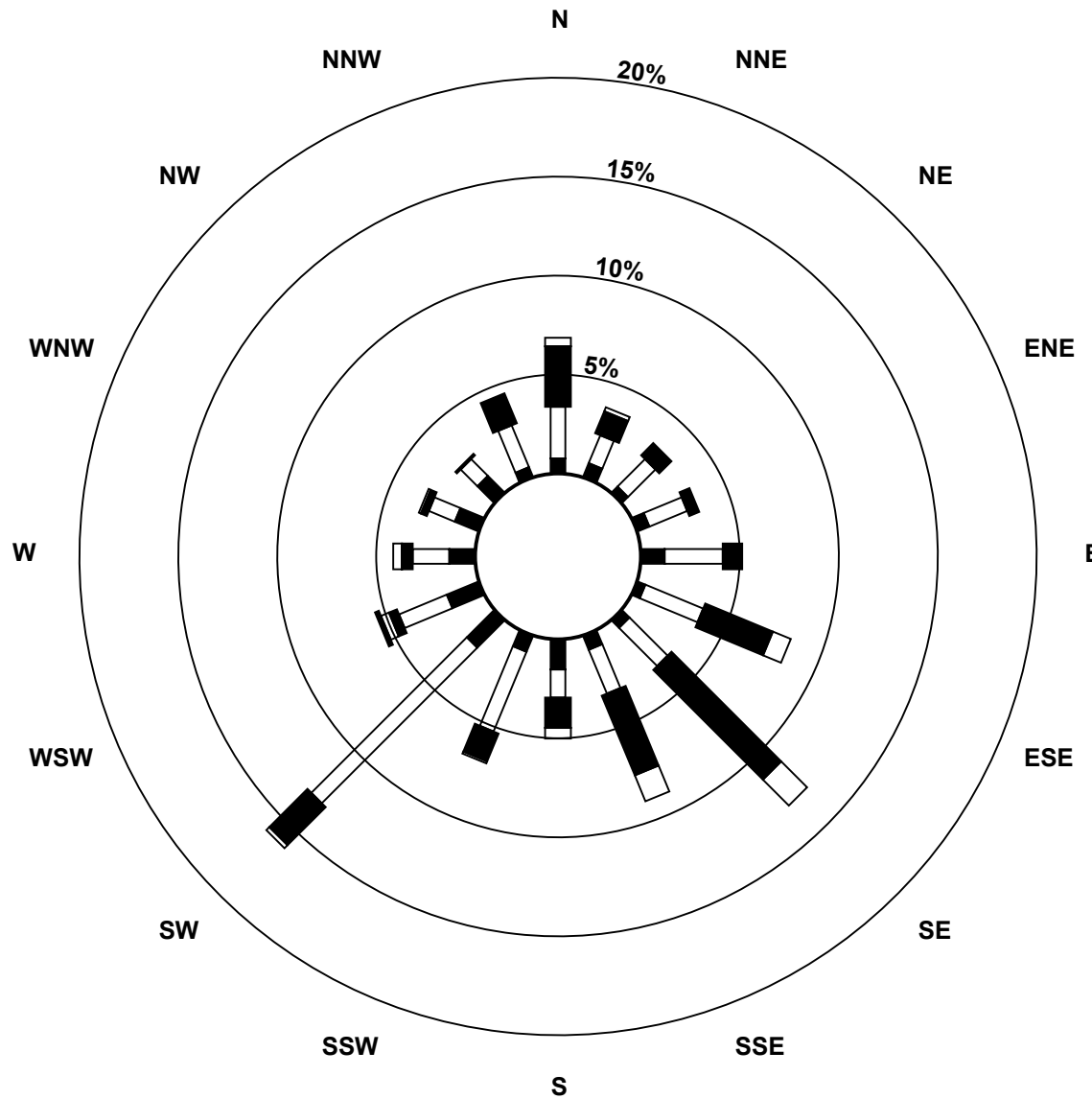


Maximum Speed: 34 km/h on Mar 9 13:00	Maximum Daily Speed Average: 19 km/h on Mar 30	Hours in Service: 924
Minimum Speed Value: 1 km/h on Mar 3 18:00	Minimum Daily Speed Average: 0 km/h on Mar 5	Hours of Data: 920
Maximum Diurnal Speed Average: 6 km/h at hour 19	Minimum Diurnal Speed Average: 3 km/h at hour 23	Hours of Missing Data: 4
Monthly Average Velocity: 3.4 km/h 159.1 deg	Percentiles: P <sub>1</sub> = 1.6 P <sub>10</sub> = 4.5 Q <sub>1</sub> = 7.1 Median = 9.9 Q <sub>3</sub> = 13.7 P <sub>90</sub> = 18.2 P <sub>99</sub> = 24.2	Percent Operational Time: 99.7

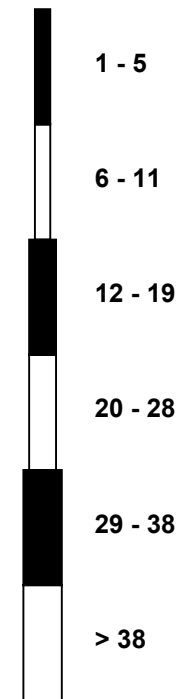
Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Mar	15S	11S	10SSW	7SSW	11SSW	8SW	9WSW	8WSW	8WSW	8W	7WNW	5W	1NNW	3NE	7E	11ESE	12E	11E	13ESE	3SSE	3SW	4S	8WSW	9SW	4S	15S
2-Mar	11SW	8WSW	9WSW	7W	7W	8WSW	11SW	10SW	8SW	8WSW	5WNW	12NNW	17N	22N	22N	22N	20N	15N	7NNE	6NNE	5NW	6N	4NW	6N	6NNW	22N
3-Mar	10N	9NNE	9NNE	10N	13N	14NNE	14NNE	13NE	10NNE	11NNE	12NNE	11NE	9NE	12NNE	10NE	6NE	2NNE	1W	5SSW	8SSW	9SW	9SSW	8SSW	8SSW	5NNE	14NNE
4-Mar	9SW	9SW	9SW	9SW	9SSW	10SSW	10SSW	9SSW	10S	9S	14SSE	18SE	23SSE	19SSE	17SSE	16SSE	13SSE	10SSE	8SSE	9SSE	4S	1WSW	4WSW	7WSW	9S	23SSE
5-Mar	9WSW	6W	5W	5WNW	6W	6W	7W	6W	6WNW	6WNW	9NNW	11N	8N	8N	8NE	10ENE	10ENE	7ESE	10SE	10ESE	12SE	14SSE	10SSE	9S	0WSW	14SSE
6-Mar	11SW	12S	11SSW	10SW	11SW	12SW	10SW	9SW	8SW	7WSW	8W	3N	2N	5SSE	4S	7SSW	13SSE	14SE	13SE	16SE	16SE	7SSW	8WSW	9WSW	6SSW	16SE
7-Mar	9W	6SW	6SW	10SW	11SW	11SW	10SW	9SW	7SW	9SW	8SW	6SW	5SSW	3SW	4W	2S	4NNE	2NW	9WNW	7W	10SW	14SW	9SW	13SW	7SW	14SW
8-Mar	13SW	12SW	12SW	13SW	12SW	13SW	17SW	22SSW	19S	16S	14SSW	18WSW	21WSW	24WSW	23W	24W	25W	24W	16WSW	14SW	7SSW	11SSW	12S	11SSE	15SW	25W
9-Mar	10S	11SSW	15SSW	7WSW	5NW	4WNW	4W	4WSW	3SSW	8SSW	23WSW	32WSW	34W	14NW	19N	17NE	15NE	12NE	12ENE	10ENE	9NE	9NNE	13N	23NNE	3NW	34WSW
10-Mar	21NNE	17N	11N	8N	3N	5SW	2SSW	8ESE	10SE	14SE	11SE	13SSE	14SE	17SE	18SE	18SE	15ESE	15ESE	16SE	14SE	11SE	2S	3E	4SSW	7ESE	21NNE
11-Mar	4S	6SSW	9SW	10SW	11SW	10SW	10SW	8SW	9SW	8SW	4WSW	1ENE	4ESE	12ENE	12ESE	11ESE	6ESE	8SE	6SE	1SSE	4S	3WSW	6W	9NW	3SSW	12ESE
12-Mar	6NW	4W	5WSW	5WNW	4WNW	4SW	3W	2NNE	7ENE	11E	14ESE	19SE	22ESE	21ESE	23ESE	24ESE	23ESE	23ESE	23ESE	25SE	19ESE	18SE	19SE	12ESE	25SE	
13-Mar	16SE	16SE	13ESE	10E	13E	13E	13ENE	12NE	7NE	5NE	5NNE	7N	8N	11N	13N	15N	16NNW	16NNW	16NNW	12NNW	7NNW	5NNW	4NW	5NW	6NNE	16NNW
14-Mar	8NNW	10NW	9NNW	8N	8NNW	7NNW	7NNW	5NW	7NNW	9NNW	9NNW	9N	7NE	7ENE	8E	7E	6ENE	6ENE	5ENE	5E	8E	9ENE	10NE	9E	5NNE	10NW
15-Mar	10ESE	11ESE	11SE	16SE	16SE	16SE	17SE	17SE	15ESE	14ESE	14ESE	13ESE	13ESE	12E	12E	13E	14ESE	14ESE	13E	13ESE	13ESE	13ESE	15SE	15SE	13ESE	17SE
16-Mar	17SE	17SE	20SE	16SE	13ESE	14SE	15SE	15SE	14SE	15SE	16SE	16SE	18SE	18SE	17SE	13ESE	10ESE	12SE	10SE	12SSE	7SSE	8SSE	10SSE	11SSE	14SE	20SE
17-Mar	12SSE	6S	6SSW	7SSW	10SW	11SW	9SW	11SW	8SW	10SW	9SW	3SW	5NW	2E	3SSE	8SSW	5SE	3E	9SE	5SSE	11N	13NNE	11N	11N	3SSW	13NNE
18-Mar	6NNW	4NNE	13NNE	11NNE	8N	6NNW	6NNE	3NNW	4W	5W	5SW	5S	7SSE	11SSE	18SSE	20SSE	18SSE	16SE	13SE	7SE	1E	7SSW	8SW	8SW	3SSE	20SSE
19-Mar	8SW	9SW	11SSW	11SW	10SW	7SW	10SW	9SSW	9SSW	11SSW	11S	12SSE	14SE	13SE	11SE	15WSW	10WSW	9SSW	14S	12S	18SW	15SW	13SW	13SSW	10SSW	18SW
20-Mar	13SSW	15SSW	14SSW	12SSW	7SW	7SW	5SW	5SW	7SW	8SW	6SW	7WSW	5WNW	9N	13NE	10NE	11NE	8E	10SE	13SSE	13S	14SW	12SW	10SW	5SSW	15SSW
21-Mar	12SW	10SSW	10SSW	10SSE	13SSE	12SSE	9S	14SSW	14SSW	11SSW	13SSW	11SW	23SW	22SW	19WNW	22WNW	18WNW	11NNW	5NNE	3ENE	7SE	7ESE	4SSE	5SW	7SW	23SW
22-Mar	5NW	5W	6WSW	6WSW	4W	7WSW	7W	7W	8WNW	16NNW	17NNW	16N	10N	7NNW	6WSW	4N	11NE	3E	8W	7SW	4WSW	6SSW	7SW	6SW	4WNW	17NNW
23-Mar	7SW	6SW	9SW	7SW	9SW	9SW	8SW	6SW	7SW	6SW	9SSE	12SSE	13SSE	16SE	16ESE	7ESE	8SW	11SW	4WNW	4SSE	7E	8ESE	9SE	2SE	6S	16ESE
24-Mar	2W	2W	4WSW	6WSW	4WSW	1SW	3WSW	5SW	4WSW	3WSW	2NNE	4ENE	4N	2E	5SE	9SSE	8SSW	15WNW	7NE	5NNW	3NNW	5NNW	3WNW	4WNW	2W	15WNW
25-Mar	4NW	5WNW	5WNW	6WNW	5W	7SW	6SSW	4SW	5SW	8SSE	11SSE	14SSE	13SE	12ESE	19ESE	17SE	16SE	17ESE	13ESE	9SE	9SE	8SE	8ESE	8ESE	6SE	19ESE
26-Mar	7ESE	11ESE	9ESE	2E	5N	1ENE	1SE	5ESE	13SE	16SE	17SE	19SE	20SE	21SE	21SE	21SE	16SE	16ESE	16ESE	18E	19ESE	17ESE	12ESE	13SE	12SE	21SE
27-Mar	16SE	17SE	20SE	12ESE	10E	9E	7E	8NE	7N	8NNW	11NNW	14NNW	16N	17N	19N	18NNE	16N	17N	17N	18N	15N	14N	13N	12N	9NNE	20ESE
28-Mar	12N	13NNE	10NNE	10NNE	10NE	9NE	9ENE	9ESE	8ESE	9SE	8SE	9ESE	9E	9ENE	11ENE	12ENE	11ENE	12ENE	10E	10E	9ESE	10E	11E	11E	8ENE	13NNE
29-Mar	11E	10E	8E	7ESE	6ESE	7E	8E	8E	10E	9NE	11ENE	12E	12ESE	11ESE	9E	11ENE	14NE	12NE	10ENE	10ENE	8ENE	11ENE	11E	11ESE	9E	14NE
30-Mar	13ESE	14SE	13SE	17SSE	17SSE	17SSE	16SSE	17SSE	17SSE	15SSE	16SE	17SE	19SE	20SE	19SE	22SE	22SE	21SE	24SE	24SSE	25SSE	27S	24SSE	23SSE	19SSE	27S
31-Mar	22SSE	24SSE	23S	21S	19S	16S	18S	23S	18SSE	21S	22SSE	20SSE	19SSE	18SE	19SE	21SE	22SE	20SE	15SE	15SE	14SE	17SE	19SE	18SE	18SSE	24SSE
1-Apr	16SE	14SSE	11SSE	9SE	9SE	10SE	8SSE	4S	5SW	5NW	14NNW	17N	16N	12N	8NNE	5E	8S	9NNE	18N	19N	17N	12N	7NNW	4NNE	19N	
2-Apr	12NNW	11N	6NNW	7NNW	9N	7N	6N	N	N	N	4S	5S	6S	8SSE	12SSE	15SSE	12SSE	13SSE	10SE	9ESE	6NNE	12NNE	12N	6NNW	2ENE	15SSE
3-Apr	4WNW	12NNW	13NNW	13NNW	10NNW	7NW	8WNW	8WNW	8NW	7NW	10WNW	8WNW	7WNW	12W	10W	8WNW	13NNW	8NW	5N	5NE	4ESE	2E	2SW	5SW	6NW	13NNW
4-Apr	7SW	6SW	8SW	9SSW	9SW	11SW	10SW	9SW	9SW	9SW	8SW	5SSW	5S	7SSE	5SE	5ESE	9SE	13SE	14SE	16SSE	18SSE	14SSE	11SSW	10SW	8S	18SSE
5-Apr	11SW	10SW	9SW	10SW	9WSW	11SW	11SW	12SW	9SW	6SW	5SW	3SSW	3S	2S	4ENE	4NE	5E	8ENE	9ESE	9ESE	10SE	9SSW	5SW	9SW	5SSW	12SW
6-Apr	11SW	12SW	11SW	10SW	12SW	10SW	9SW	11SW	7SW	5SSW	7SSE	12SSE	12SSE	10SSE	14SE	18SE	22SE	25SE	25SE	24SE	20SSE	18SSE	15SSE	12S	25SE	
7-Apr	15S	12S	12S	12SSW	12SW	15SW	16SW	16SSW	17SSW	10SSW	14SSW	14SW	10SW	11WSW	10SW	16WSW	13W	17W	10NW	11NW	16NNW	7NW	6NW	10SW	17W	17W
8-Apr	3WSW	5WSW	11S	10S	8S	4SW	6W	7WNW	14W	21WSW	19W	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	----	21WSW
4S 4S 4S 4SSW 4SSW 4SSW 4SSW 5SSW 4SSW 4SSW 3SSW 3SSE 3SE 4ESE 5ESE 5ESE 5ESE 5ESE 6ESE 6SE 5SE 3SE 3SSE 3S																								Diurnal Average		
22SSE 24SSE 23S 21S 19S 17SSE 18S 23S 19S 21WSW 23WSW 32WSW 34WSW 24WSW 23W 24W 25W 25SE 25SE 24SSE 25SSE 27S 24SSE 23SSE																								Diurnal Maximum		

# Wind Rose

**Wind Speed (WS) (km/h)**  
**Eagle HillN - Mar 1, 2025 to Apr 9, 2025**



## Wind Speed Classes (km/h)





# Hourly Standard Deviations

Wind Direction (WD) - deg

Eagle HillN - Mar 1, 2025 to Apr 9, 2025

Maximum Value: 91.0 deg on Mar 1 13:00		Hours in Service: 924																								
Minimum Value: 2.1 deg on Apr 6 19:00		Hours of Data: 920																								
Percentiles: P <sub>1</sub> = 3.3 P <sub>10</sub> = 4.3 Q <sub>1</sub> = 5.9 Median = 8.9 Q <sub>3</sub> = 15.6 P <sub>90</sub> = 31.5 P <sub>99</sub> = 80.9		Hours of Missing Data: 4																								
		Hours of Calibration: 1																								
		Percent Operational Time: 99.7																								
Day	Hourly Period Ending At (MST)																								Daily Maximum	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Mar	8	12	10	10	14	17	5	7	8	5	14	27	91	48	29	9	13	7	10	63	36	50	14	9	91.0	
2-Mar	7	7	9	13	7	8	11	7	8	7	34	12	10	8	7	5	5	7	10	14	13	16	31	11	34.1	
3-Mar	7	6	9	8	7	7	5	9	7	6	6	6	9	16	7	12	21	64	15	5	11	8	5	4	63.5	
4-Mar	3	4	4	3	4	5	4	10	13	6	6	5	4	7	8	4	4	5	5	7	47	58	29	10	57.8	
5-Mar	13	12	11	8	4	7	5	8	6	7	25	12	15	21	21	9	10	13	8	8	11	4	7	6	25.0	
6-Mar	6	4	18	4	3	3	4	7	4	15	14	50	73	36	44	24	20	4	5	5	6	42	7	12	73.1	
7-Mar	6	14	8	4	4	4	4	24	18	6	9	19	25	47	61	83	29	81	8	18	8	3	8	9	83.2	
8-Mar	7	5	6	7	7	9	6	6	4	4	10	14	8	6	7	5	5	6	14	5	7	12	4	9	14.1	
9-Mar	14	9	6	19	32	17	12	13	27	14	8	6	8	46	10	9	7	7	7	6	8	8	8	9	45.9	
10-Mar	9	7	8	10	35	9	70	18	5	3	5	4	5	4	9	9	5	8	4	6	20	84	38	44	83.6	
11-Mar	30	21	12	5	4	8	8	12	9	7	11	87	22	20	12	16	17	15	33	81	34	52	22	9	87.4	
12-Mar	5	13	7	13	23	16	23	48	9	14	5	6	6	7	8	6	5	5	7	4	5	6	6	4	48.2	
13-Mar	5	5	10	13	6	10	8	8	23	19	18	14	14	10	11	6	11	6	6	7	7	5	9	15	23.1	
14-Mar	8	8	12	11	6	5	5	13	13	13	13	12	23	15	10	9	15	14	12	16	15	9	8	9	23.1	
15-Mar	14	7	7	5	4	5	4	3	4	5	5	6	7	11	8	10	7	6	4	5	4	6	3	3	14.5	
16-Mar	6	3	4	4	5	7	6	4	5	6	5	5	6	5	7	6	8	5	8	13	20	5	6	4	20.2	
17-Mar	5	24	34	16	8	5	12	9	9	8	5	53	38	59	80	41	50	18	6	57	26	22	11	8	79.9	
18-Mar	11	26	10	15	9	12	14	42	10	19	11	32	22	12	4	4	7	6	3	65	59	21	8	11	65.0	
19-Mar	6	7	7	4	10	15	5	7	8	6	12	15	7	9	26	6	6	10	9	14	9	15	26	6	26.0	
20-Mar	4	3	5	7	24	14	42	31	8	9	12	21	54	17	9	9	5	24	19	7	15	4	3	10	54.5	
21-Mar	4	6	5	14	6	8	21	4	17	10	14	24	14	14	19	8	6	32	7	46	17	19	56	49	56.0	
22-Mar	32	8	12	5	15	6	14	9	23	12	11	6	22	45	48	83	35	78	28	38	46	17	14	7	83.5	
23-Mar	11	15	5	15	14	4	8	9	13	20	18	9	13	12	9	14	35	23	28	49	22	10	4	84	83.5	
24-Mar	53	24	18	12	17	79	59	11	23	32	66	50	42	64	35	13	48	18	41	31	32	12	20	26	78.8	
25-Mar	25	17	4	9	18	9	11	12	26	7	7	11	15	11	7	19	19	6	7	13	8	6	7	11	26.4	
26-Mar	24	9	8	49	15	52	75	16	5	4	6	5	7	6	4	9	11	6	4	3	4	9	4	4	75.5	
27-Mar	4	5	4	11	6	9	25	13	26	11	8	9	7	6	7	6	6	7	8	6	7	7	7	7	26.5	
28-Mar	15	8	5	6	8	9	16	8	16	14	12	13	16	12	10	13	13	7	6	4	10	8	5	6	16.2	
29-Mar	7	6	6	9	11	7	8	13	8	11	9	18	12	8	15	16	7	7	7	6	5	6	7	8	17.9	
30-Mar	7	4	10	8	7	6	7	8	8	15	8	10	7	10	9	6	4	7	4	3	5	7	6	4	14.7	
31-Mar	5	5	7	6	5	7	5	5	12	6	8	9	10	8	10	5	7	5	4	4	5	4	4	4	12.2	
1-Apr	3	4	3	4	7	4	10	17	30	30	15	13	12	17	24	61	67	41	5	5	9	5	6	8	66.6	
2-Apr	6	14	9	9	7	6	11	N	N	N	23	22	20	16	17	3	8	6	12	8	48	9	8	30	48.3	
3-Apr	12	6	6	6	6	15	7	6	10	15	11	24	23	11	18	40	29	24	30	34	16	33	55	11	54.8	
4-Apr	6	9	9	4	6	5	6	4	3	4	4	14	28	14	14	17	11	7	4	3	4	18	16	4	27.8	
5-Apr	5	5	5	5	4	4	4	3	4	17	26	40	55	86	81	28	29	15	6	5	13	10	20	6	85.7	
6-Apr	5	4	6	4	3	5	8	7	14	35	15	15	17	30	18	13	9	5	2	4	5	2	6	8	35.1	
7-Apr	11	11	17	7	27	7	6	16	10	10	24	9	16	26	18	24	15	13	6	31	22	9	17	13	31.0	
8-Apr	40	25	10	19	41	51	38	17	14	5	16	C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	50.8	
		53.4	26.4	34.3	49.3	40.7	78.8	75.5	48.2	29.9	35.1	66.3	87.4	91.0	85.7	81.1	83.5	66.6	81.5	40.9	81.3	58.8	83.6	56.0	83.5	

# Hourly Averages

External Temperature (ET) - °C

Eagle HillN - Mar 1, 2025 to Apr 9, 2025

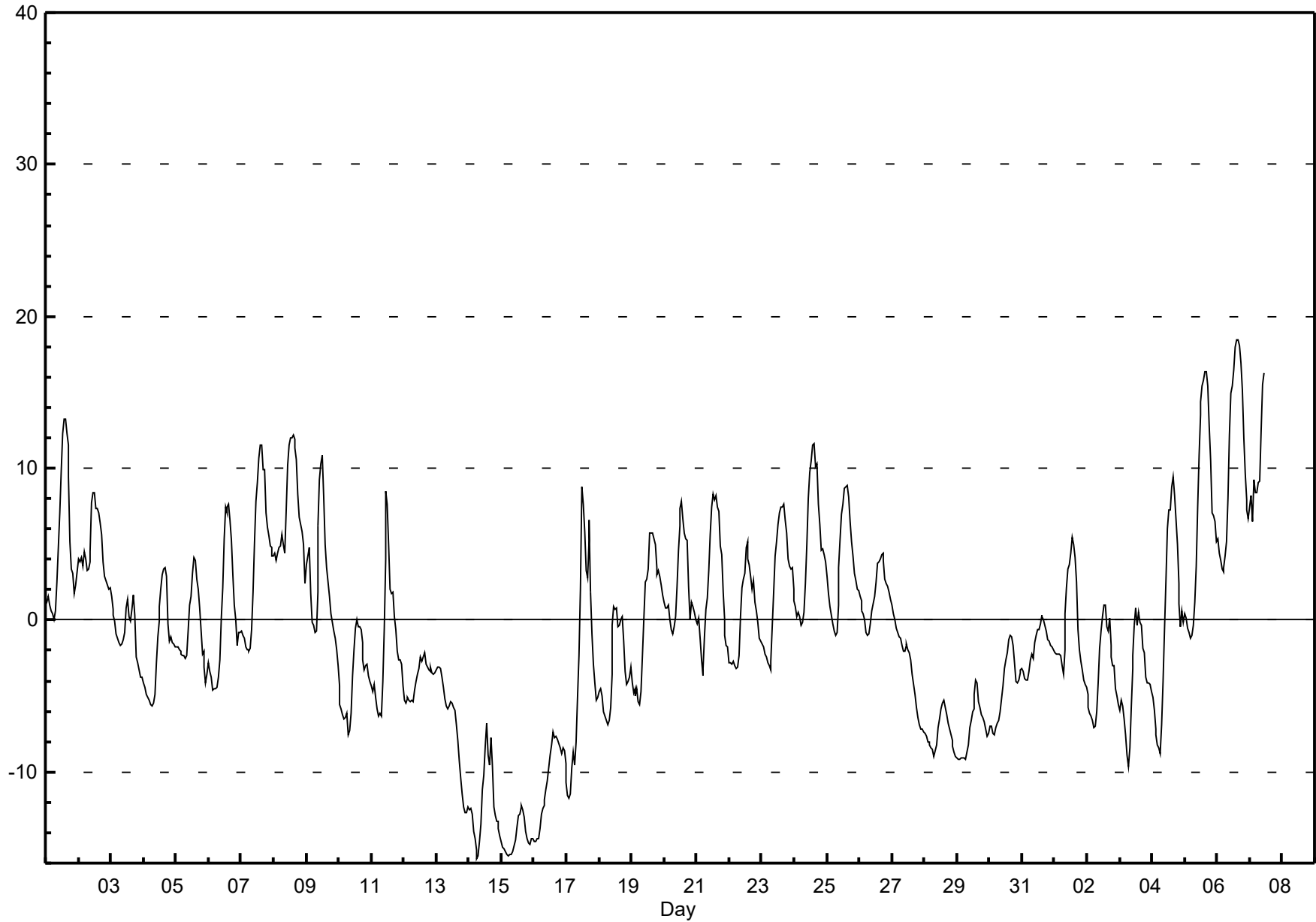
Number of Exceedences (AAAQO):	1-hr: 0	24-hr: 0	Hours in Service:	925
Maximum Value: 18.5 °C on Apr 6 16:00	Maximum Daily Average: 10.4 °C on Apr 6		Hours of Data:	899
Minimum Value: -16 °C on Mar 14 07:00	Minimum Daily Average: -14.2 °C on Mar 15		Hours of Missing Data:	26
Maximum Diurnal Average: 3.5 °C at hour 14	Minimum Diurnal Average: -4.0 °C at hour 7		Hours of Calibration:	0
Monthly Average: -0.75 °C	Percentiles: P <sub>1</sub> = -15.0 P <sub>10</sub> = -8.5 Q <sub>1</sub> = -4.9 Median = -0.9 Q <sub>3</sub> = 3.4 P <sub>90</sub> = 7.5 P <sub>99</sub> = 15.8		Percent Operational Time:	97.2

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																									
1-Mar	1	1	2	1	1	0	0	1	2	5	7	10	12	13	13	12	12	9	5	3	3	2	2	3	5.1	13.3																							
2-Mar	4	4	4	4	4	4	3	3	4	5	8	8	8	7	7	7	6	6	4	3	3	2	2	2	4.7	8.4																							
3-Mar	2	1	0	0	-1	-1	-1	-2	-2	-1	-1	1	1	0	0	1	2	0	-2	-2	-3	-3	-4	-4	-0.8	1.6																							
4-Mar	-4	-4	-5	-5	-5	-6	-6	-6	-5	-3	-1	0	1	2	3	3	3	3	0	-1	-1	-1	-2	-2	-1.7	3.5																							
5-Mar	-2	-2	-2	-2	-2	-2	-2	-3	-2	-1	1	2	3	4	4	3	2	1	-1	-2	-2	-3	-4	-4	-0.7	4.1																							
6-Mar	-3	-3	-4	-5	-5	-4	-4	-4	-3	0	2	5	7	7	7	8	7	5	3	1	0	-2	-1	-1	0.6	7.6																							
7-Mar	-1	-1	-1	-2	-2	-2	-2	-2	-1	2	5	8	9	11	12	12	10	10	7	6	6	5	5	4	4.0	11.5																							
8-Mar	4	4	4	4	5	5	6	5	4	7	10	11	12	12	12	12	11	11	8	7	6	6	5	2	7.3	12.2																							
9-Mar	4	4	5	2	0	0	-1	-1	2	6	9	10	11	8	5	3	3	2	0	0	-1	-1	-2	-3	2.7	10.9																							
10-Mar	-4	-6	-6	-6	-6	-6	-6	-8	-7	-6	-4	-2	-1	0	0	0	-1	-1	-3	-3	-3	-3	-4	-4	-3.8	0.0																							
11-Mar	-4	-5	-4	-5	-6	-6	-6	-6	-4	-1	4	8	8	5	2	2	0	-1	-2	-3	-3	-3	-4	-4	-1.3	8.5																							
12-Mar	-5	-5	-5	-5	-5	-5	-5	-5	-5	-4	-4	-3	-2	-3	-2	-2	-3	-3	-3	-3	-3	-4	-4	-4	-3.9	-2.1																							
13-Mar	-3	-3	-3	-3	-4	-4	-5	-6	-6	-6	-5	-5	-6	-6	-6	-7	-8	-9	-10	-11	-12	-13	-13	-12	-7.0	-3.1																							
14-Mar	-12	-12	-13	-14	-14	-15	-16	-16	-15	-13	-11	-10	-8	-7	-9	-10	-8	-10	-12	-13	-13	-13	-14	-14	-12.2	-6.8																							
15-Mar	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-14	-14	-13	-13	-12	-12	-12	-13	-14	-14	-15	-15	-14	-14	-14.2	-12.2																							
16-Mar	-15	-15	-14	-14	-14	-13	-12	-12	-12	-11	-11	-10	-9	-8	-7	-8	-8	-8	-8	-8	-9	-8	-9	-9	-10.5	-7.3																							
17-Mar	-11	-11	-12	-11	-10	-9	-10	-8	-5	-2	2	9	8	6	3	3	5	7	2	-1	-3	-4	-5	-5	-2.6	8.8																							
18-Mar	-5	-4	-5	-6	-6	-7	-7	-7	-6	-4	0	1	1	1	0	0	0	0	-1	-3	-4	-4	-4	-3	-3.1	0.9																							
19-Mar	-4	-5	-5	-5	-4	-5	-6	-5	-2	0	3	3	3	6	6	6	5	5	3	3	3	3	2	2	0.5	5.8																							
20-Mar	1	1	1	1	0	-1	-1	0	0	2	5	6	7	8	7	6	5	5	2	0	1	1	1	0	2.4	7.9																							
21-Mar	0	0	-1	-3	-4	-3	-1	1	1	3	6	7	8	8	8	7	7	5	4	2	0	-1	-2	-2	2.2	8.3																							
22-Mar	-3	-3	-3	-3	-3	-3	-3	-2	0	2	3	3	5	5	4	4	3	2	3	1	1	0	-1	-1	0.4	5.2																							
23-Mar	-2	-2	-2	-2	-3	-3	-3	-3	0	2	4	5	6	7	7	7	8	7	6	4	4	3	3	2	2.3	7.6																							
24-Mar	1	1	0	0	0	0	0	1	2	5	8	10	10	12	12	10	10	10	8	6	5	5	4	4	5.2	11.7																							
25-Mar	3	2	1	0	0	-1	-1	-1	1	3	5	7	8	9	9	9	8	7	5	4	3	3	2	2	3.6	8.9																							
26-Mar	2	1	1	0	0	-1	-1	-1	0	1	1	2	3	4	4	4	4	4	4	3	2	2	2	1	1.7	4.4																							
27-Mar	1	0	0	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-3	-4	-4	-5	-6	-6	-7	-7	-7	-7	-3.0	1.0																							
28-Mar	-7	-8	-8	-8	-8	-8	-9	-9	-9	-8	-7	-7	-6	-5	-5	-6	-6	-7	-7	-8	-8	-8	-9	-9	-7.5	-5.3																							
29-Mar	-9	-9	-9	-9	-9	-9	-9	-9	-8	-7	-7	-6	-6	-5	-4	-4	-5	-6	-6	-6	-7	-7	-8	-7	-7.2	-4.0																							
30-Mar	-7	-7	-7	-8	-7	-7	-7	-7	-6	-5	-4	-3	-3	-2	-1	-1	-1	-2	-3	-4	-4	-4	-4	-3	-4.4	-1.0																							
31-Mar	-3	-3	-4	-4	-4	-3	-3	-2	-2	-2	-1	-1	-1	0	0	0	0	0	-1	-1	-1	-2	-2	-2	-1.7	0.3																							
1-Apr	-2	-2	-2	-2	-2	-3	-4	-2	0	2	3	4	4	5	5	4	3	-1	-2	-3	-3	-4	-4	-4	-0.4	5.5																							
2-Apr	-5	-6	-6	-6	-7	-7	-7	-6	-4	-2	-1	0	1	1	0	-1	0	-2	-2	-3	-3	-5	-5	-6	-3.4	1.0																							
3-Apr	-6	-5	-6	-7	-8	-9	-10	-8	-6	-3	-2	0	1	0	1	0	0	-2	-2	-4	-4	-4	-4	-5	-3.9	0.8																							
4-Apr	-5	-6	-7	-8	-8	-8	-9	-7	-4	-1	3	6	7	7	9	9	8	7	5	2	1	0	1	0	0.1	9.4																							
5-Apr	0	0	-1	-1	-1	-1	0	1	4	7	11	14	14	15	16	16	16	16	15	13	10	7	7	5	7.3	16.4																							
6-Apr	5	4	4	3	3	3	4	5	8	12	15	15	16	18	18	18	18	17	15	12	10	8	7	7	10.4	18.5																							
7-Apr	7	8	6	9	8	8	9	9	12	15	16	N	N	N	N	N	N	N	N	N	N	N	N	N	--	16.3																							
8-Apr	N	N	N	N	N	N	N	N	N	N	N	N	N	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--																							
																								-2.7	-2.9	-3.2	-3.5	-3.8	-4.0	-4.0	-3.6	-2.3	-0.4	1.5	2.5	3.3	3.5	3.3	3.0	2.8	1.9	0.3	-0.9	-1.5	-2.0	-2.2	-2.6	Diurnal Average	
																								7.5	8.2	6.5	9.3	8.4	9.0	9.2	12.5	15.5	16.3	15.4	16.5	18.0	18.5	18.5	18.5	18.1	16.9	15.1	12.0	9.6	7.9	7.2	6.7	Diurnal Maximum	

N - Not Valid      NS - Not in service

# Hourly Averages

External Temperature (ET) - °C  
Eagle HillN - Mar 1, 2025 to Apr 9, 2025



# Hourly Averages

Relative Humidity (RH) - %

Eagle HillN - Mar 1, 2025 to Apr 9, 2025

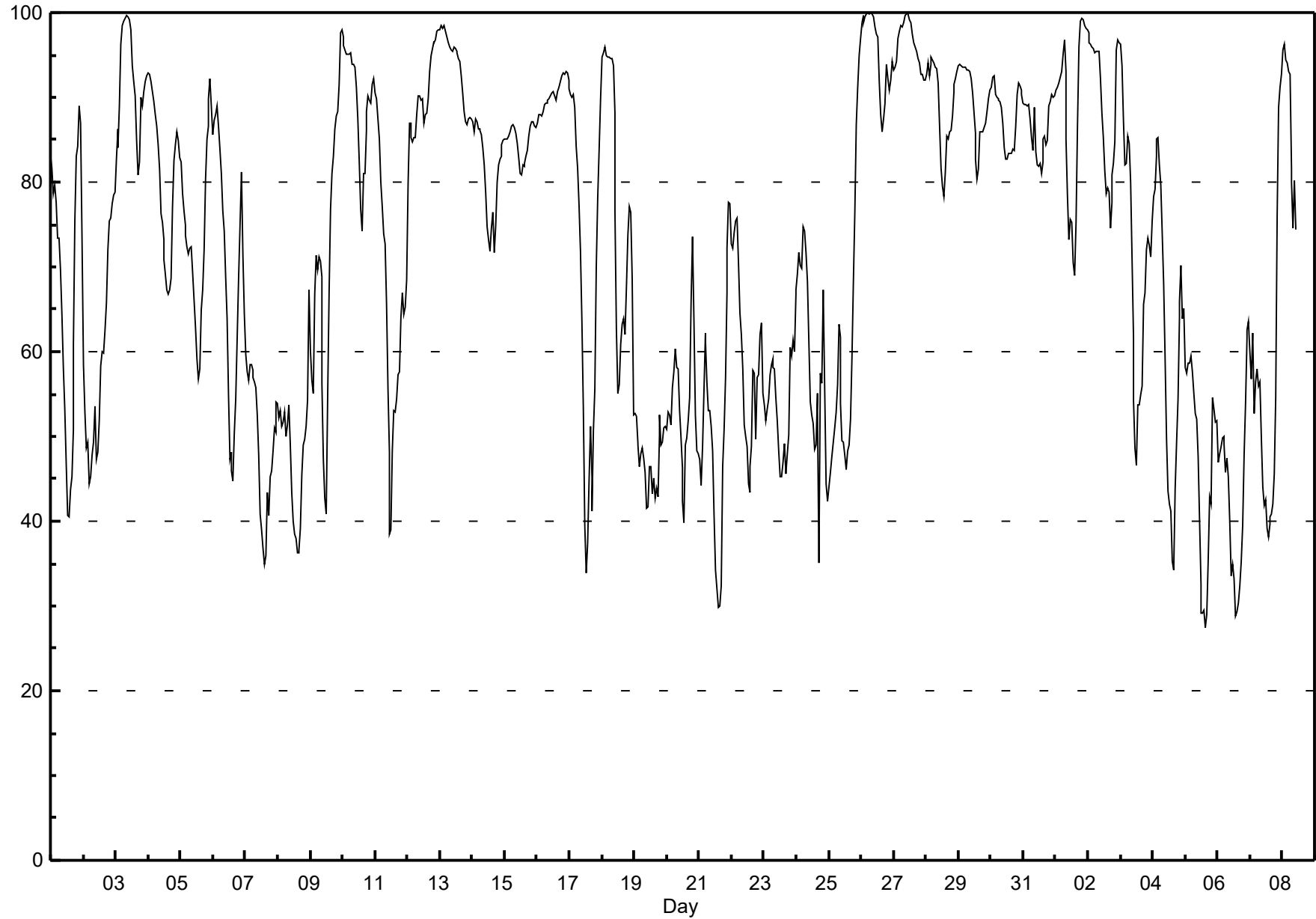
Number of Exceedences (AAQO): 1-hr: 0 24-hr: 0	Hours in Service: 923
Maximum Value: 100.0 % on Mar 27 11:00	Maximum Daily Average: 96.4 % on Mar 27
Minimum Value: 28 % on Apr 5 16:00	Minimum Daily Average: 44.1 % on Apr 6
Maximum Diurnal Average: 78.8 % at hour 22	Minimum Diurnal Average: 60.4 % at hour 14
Monthly Average: 72.07 %	Percentiles: P <sub>1</sub> = 30.7 P <sub>10</sub> = 45.3 Q <sub>1</sub> = 53.7 Median = 76.4 Q <sub>3</sub> = 89.4 P <sub>90</sub> = 95.0 P <sub>99</sub> = 99.6
	Hours of Data: 923
	Hours of Missing Data: 0
	Hours of Calibration: 0
	Percent Operational Time: 100.0

Day	Hourly Period Ending At (MST)																								Daily Average	Daily Maximum
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1-Mar	83	82	79	80	78	73	73	70	64	58	53	47	41	41	44	45	51	61	75	83	84	89	87	73	67.2	89.0
2-Mar	58	53	49	49	44	45	48	49	53	54	47	48	52	58	60	60	63	66	72	75	76	77	78	79	58.9	78.8
3-Mar	83	86	84	89	96	99	99	99	100	99	99	98	94	92	90	85	81	82	90	90	89	91	92	92	91.6	99.6
4-Mar	93	93	92	91	89	88	87	84	82	76	75	73	71	69	67	67	67	69	77	83	84	86	85	83	80.5	92.9
5-Mar	82	79	77	75	74	72	71	72	72	69	66	63	59	57	58	65	67	72	80	85	87	90	92	89	73.9	92.1
6-Mar	86	87	88	89	87	84	81	77	74	69	64	55	47	48	46	45	50	54	62	69	75	81	71	64	68.9	88.9
7-Mar	60	58	57	58	59	58	57	56	56	53	48	41	39	37	35	36	43	41	45	46	48	51	51	54	49.4	59.6
8-Mar	54	52	53	51	52	53	50	51	54	49	43	40	39	38	36	36	37	39	45	49	50	51	54	67	47.7	67.2
9-Mar	60	57	55	67	71	70	71	71	69	56	47	43	41	55	67	77	81	83	86	88	88	92	98	98	70.4	97.9
10-Mar	97	96	96	95	95	95	95	94	94	94	91	87	82	77	74	81	81	86	88	90	90	89	92	92	89.7	97.1
11-Mar	90	90	87	85	80	77	74	73	66	56	48	38	39	48	53	53	54	57	58	64	67	64	65	68	64.8	90.4
12-Mar	80	87	87	85	85	85	85	88	90	90	90	90	87	88	88	90	93	95	96	97	96	97	98	98	90.2	98.0
13-Mar	98	98	98	99	98	97	96	96	96	95	96	96	95	95	95	94	93	91	88	87	87	87	88	87	93.8	98.5
14-Mar	87	86	87	87	86	86	86	86	84	82	79	75	73	72	75	76	72	75	80	82	83	83	84	85	81.3	87.5
15-Mar	85	85	85	85	86	87	87	86	86	85	83	81	81	82	82	82	83	84	85	87	87	87	87	87	84.8	87.1
16-Mar	87	88	88	88	88	89	89	89	90	90	91	91	90	90	91	91	92	93	93	93	93	93	93	92	90.3	93.0
17-Mar	91	90	90	90	89	84	82	77	72	64	53	39	34	37	45	51	45	41	51	56	70	78	84	90	66.8	91.0
18-Mar	95	95	96	95	95	95	95	95	94	88	77	63	55	56	61	63	64	62	68	74	77	76	69	53	77.4	96.0
19-Mar	53	52	49	49	46	48	49	48	46	41	42	46	46	43	45	43	44	43	50	53	49	49	51	51	47.4	52.8
20-Mar	51	53	52	51	56	58	60	58	58	53	50	46	42	40	49	50	52	55	66	74	63	52	48	48	53.6	73.6
21-Mar	47	44	49	56	62	61	56	53	53	51	48	41	34	32	30	30	32	46	51	57	67	72	78	77	51.2	77.7
22-Mar	73	72	74	75	76	71	65	62	58	51	50	49	44	43	46	49	58	58	50	57	57	62	63	55	59.1	75.8
23-Mar	54	52	53	54	57	58	59	58	58	55	52	48	45	45	47	49	46	48	50	60	59	61	60	67	54.1	66.9
24-Mar	67	69	72	70	70	75	74	72	68	61	54	53	51	48	49	55	53	35	57	56	67	56	44	42	59.2	74.7
25-Mar	44	46	48	49	51	53	56	63	62	54	50	49	48	46	48	49	52	59	68	76	87	91	95	97	60.1	97.0
26-Mar	99	100	99	99	100	100	100	100	100	99	98	98	97	92	88	86	87	89	89	94	92	91	92	94	95.2	99.9
27-Mar	93	94	94	97	98	98	98	99	100	100	100	99	99	97	97	96	95	95	94	93	93	92	92	92	96.4	100.0
28-Mar	93	94	92	94	95	94	94	94	93	92	87	82	80	78	81	85	85	86	86	88	91	91	92	93	89.2	94.8
29-Mar	94	94	94	94	94	94	93	93	93	92	91	88	86	83	80	81	86	86	86	86	87	88	90	91	89.3	94.0
30-Mar	91	92	93	90	90	90	90	90	89	87	84	83	83	83	83	83	84	84	87	90	92	91	91	90	87.9	92.6
31-Mar	89	89	89	89	89	87	85	84	89	84	82	82	82	81	82	85	85	84	85	89	89	90	90	90	86.4	90.3
1-Apr	91	91	92	92	93	95	97	93	85	78	73	76	75	71	69	75	87	96	99	99	99	99	98	98	88.4	99.3
2-Apr	98	97	96	96	96	95	95	95	95	92	88	85	81	79	79	79	75	78	81	82	85	96	97	96	89.0	97.6
3-Apr	96	94	87	82	82	85	85	80	71	62	54	49	47	54	54	55	56	66	67	72	73	73	71	75	70.4	96.2
4-Apr	78	79	83	85	85	82	80	74	68	59	50	44	42	41	35	34	44	49	54	64	66	70	64	65	62.4	85.3
5-Apr	58	57	59	59	60	58	55	53	52	48	40	33	29	29	29	28	29	35	43	42	55	53	52	52	46.1	59.5
6-Apr	47	48	49	50	50	49	46	48	45	40	34	35	33	29	29	30	32	35	40	48	54	61	63	64	44.1	63.5
7-Apr	60	57	62	53	56	58	56	56	50	44	42	43	39	38	40	41	41	42	46	55	76	89	91	93	55.2	92.7
8-Apr	96	96	94	94	93	93	82	80	75	80	74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	96.2
	78.0	77.7	77.6	77.9	78.2	77.9	77.0	76.0	74.4	70.5	66.5	63.0	60.7	60.4	61.3	62.7	64.2	66.3	70.7	74.5	77.2	78.8	78.7	78.5	Diurnal Average	
	98.8	99.7	98.7	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0	99.9	99.2	98.7	97.4	96.5	95.9	95.9	99.0	99.3	99.2	98.5	98.2	98.0	Diurnal Maximum	

NS - Not in service

# Hourly Averages

Relative Humidity (RH) - %  
Eagle HillN - Mar 1, 2025 to Apr 9, 2025





End of Monthly Report