

# City of Dallas

## Community Air Management Program

Quarterly Data Summary  
February through April 2024

For Questions or Comments:  
[Oppong.Hemeng@dallas.gov](mailto:Oppong.Hemeng@dallas.gov)  
[Freddie.Ortiz@dallas.gov](mailto:Freddie.Ortiz@dallas.gov)  
[Maritza.Figy@dallas.gov](mailto:Maritza.Figy@dallas.gov)

# Executive Summary

Of the 24 AQMesh pods currently owned by the City of Dallas, 17 are in operation providing valid pollution data.

The pods at these locations are not currently in service:

- Martin Weiss Park
- Dallas Zoo
- Flagpole Hill Park
- Floral Farms (Simpson Stuart)
- Floral Farms II (S. Central Expressway)
- Westhaven Park
- Holcomb Park

The following Pods reported Exceedances during the period of February through April 2024:

## **Samual-Garland Park: Ozone Exceedance**

February 15: 12:00pm through 5:00pm  
February 24: 7:00pm through 9:00pm  
February 25: 6:00pm through 9:00pm  
February 26: 6:00pm through 11:00pm  
April 5: 8:00pm  
April 7: 5:00pm through 9:00pm

## **Mountain Creek Library: Ozone Exceedance**

February 26: 7:00pm through 9:00pm

## **Fish Trap Lake Park: Ozone Exceedance**

February 25: 5:00pm through 9:00pm  
February 26: 5:00pm through 11:00pm  
March 25: 10:00am through 11:00am

## **Willis Winters Park: PM<sub>2.5</sub> Exceedance**

February 28: 1:00am through 2:00am  
March 22: 8:00am through March 23: 5:00am  
April 1: 8:00pm through 10:00pm

## **Fetz Park: Ozone Exceedance**

February 15: 11:00am through 12:00pm  
February 26: 8:00pm through 10:00pm  
April 5: 8:00pm through 9:00pm

**Fetz Park: PM<sub>2.5</sub> Exceedance**

March 14: 10:00pm through March 15: 6:00am

April 1: 12:00pm through April 2: 10:00am

**Campbell Green Park: Ozone Exceedance**

February 13: 3:00pm through 8:00pm

February 22: 9:00pm

February 25: 7:00pm through 9:00pm

February 26: 5:00pm through 11:00pm

March 2: 8:00pm through 9:00pm

**Campbell Green Park: PM<sub>2.5</sub> Exceedance**

February 27: 6:00pm through February 28: 8:00am

March 5: 4:00pm through March 6: 5:00am

March 6: 10:00pm

April 1: 12:00pm through April 2: 9:00am

April 27: 9:00am through 12:00pm

April 27: 4:00pm through April 28: 2:00am

April 30: 11:00pm through May 1: 12:00am

**Moneygram Park: Ozone Exceedance**

April 28: 10:00am through 11:00am

**Moneygram Park: NO<sub>2</sub> Exceedance**

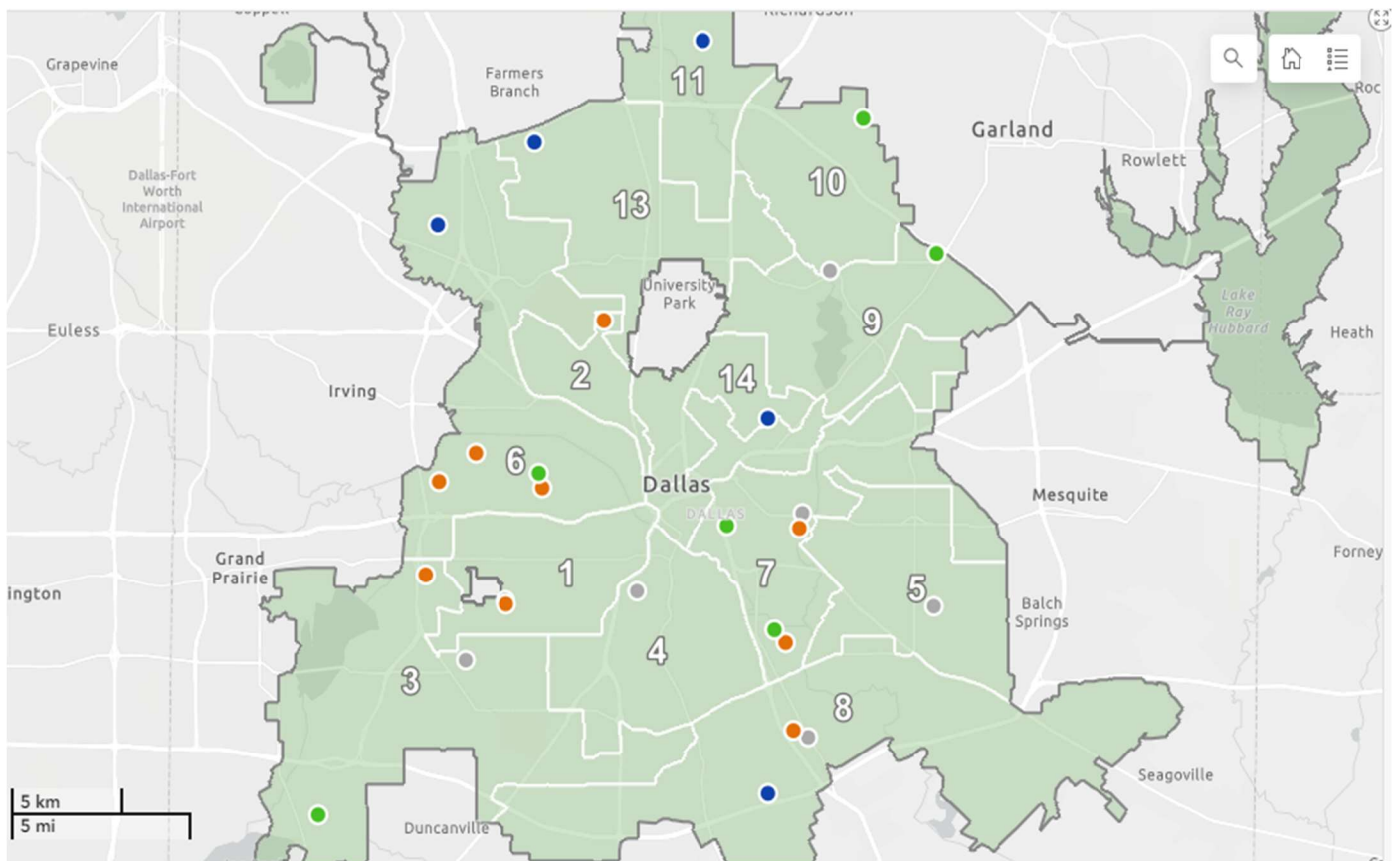
February 9: 8:00am

Additional data not listed above are considered within National Air Quality Standard tolerances. Refer to the Summary section of this report.

# Sensor Data Information

## Disclaimer:

- When using data from D-CAMP, please note the following:
- The data presented on this website are not validated or verified
- The data does not come from regulatory monitors. This data cannot be used to infer violations of the National Ambient Air Quality Standards (NAAQS) or other regulatory violations
- This data should be used with discretion
- Data from regulatory monitors is available here:  
<https://www.tceq.texas.gov/airquality/monops>



# Data Guidance

Low Level of Air Pollution	O <sub>3</sub> less than 35 ppb
	NO <sub>2</sub> less 50 ppb
	PM <sub>10</sub> less than 75 µg/m <sup>3</sup>
	PM <sub>2.5</sub> less than 17 µg/m <sup>3</sup>
	CO less than 18ppm
Moderate Level of Air Pollution	SO <sub>2</sub> less than 38ppb
	O <sub>3</sub> higher than 35 ppb and less than 70 ppb
	NO <sub>2</sub> higher 50 ppb and less than 100 ppb
	PM <sub>10</sub> higher than 75 µg/m <sup>3</sup> and less than 150 µg/m <sup>3</sup>
	PM <sub>2.5</sub> higher than 17 µg/m <sup>3</sup> and less than 35 µg/m <sup>3</sup>
High Level of Air Pollution	CO higher than 18ppm and less than 35ppm
	SO <sub>2</sub> higher than 38ppb and less than 75ppb
	O <sub>3</sub> higher than 70 ppb
	NO <sub>2</sub> higher 100 ppb
	PM <sub>10</sub> higher than 150 µg/m <sup>3</sup>
	PM <sub>2.5</sub> higher than 35 µg/m <sup>3</sup>
	CO higher than 35ppm
	SO <sub>2</sub> higher than 75ppb

# Technical Information

## Sensors Used in the Network

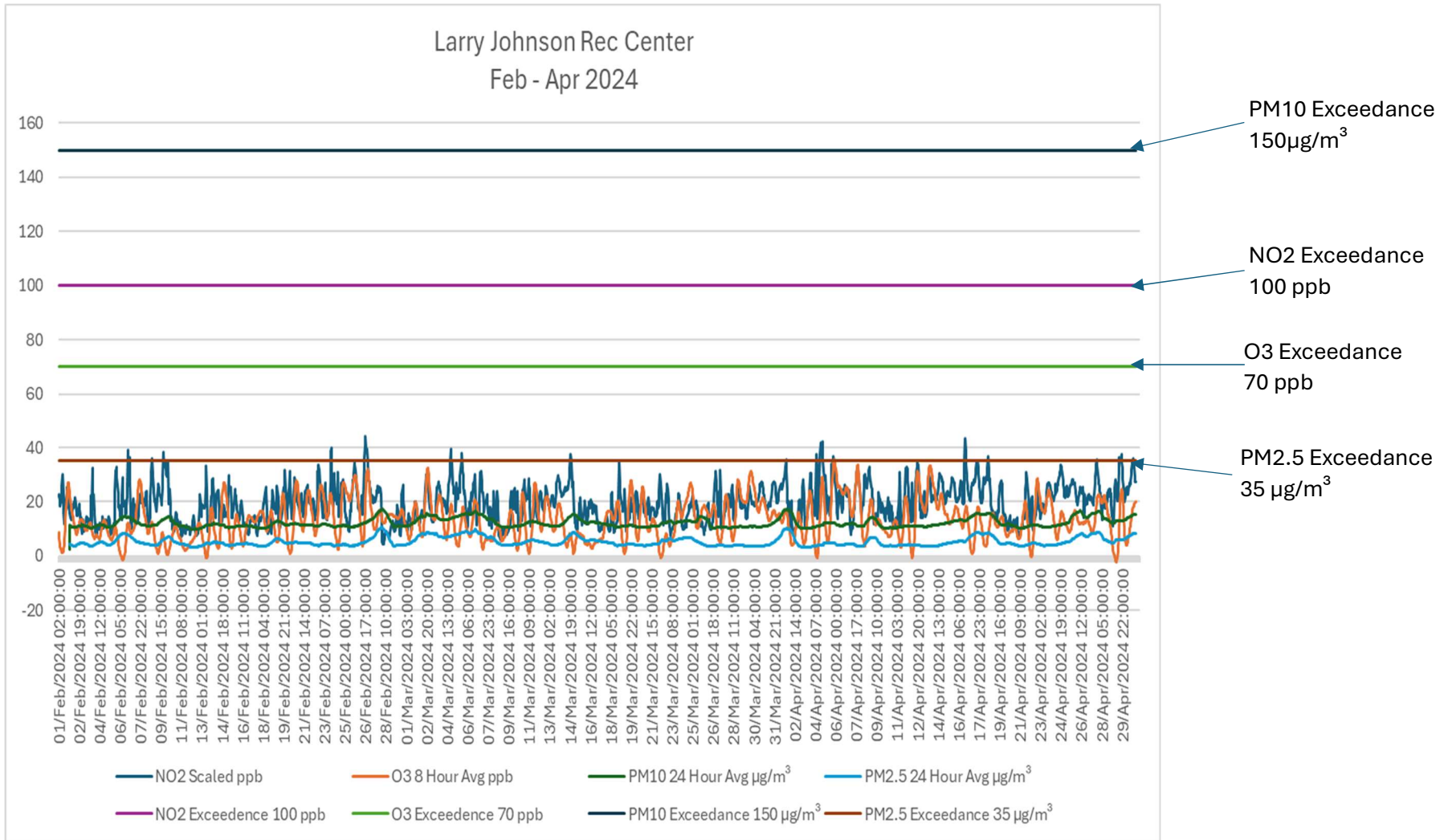
There are five AQMesh monitors currently operating in the network. These units use an optical light scattering sensor to measure particulates. They use electrochemical sensors to measure other pollutants. All AQMesh units measure particulate (PM), ozone (O<sub>3</sub>), and nitrogen dioxide NO<sub>2</sub>.

The AQMesh units also have sensors for ambient temperature, humidity, and barometric pressure. Extreme conditions of these factors can impact the accuracy of the sensors for all the measured pollutants. When the unit detects extreme conditions, it will cease to report one, or more, affected pollutants. Once it detects that the environmental conditions have returned to normal, reporting will resume.

## Sensor Accuracy

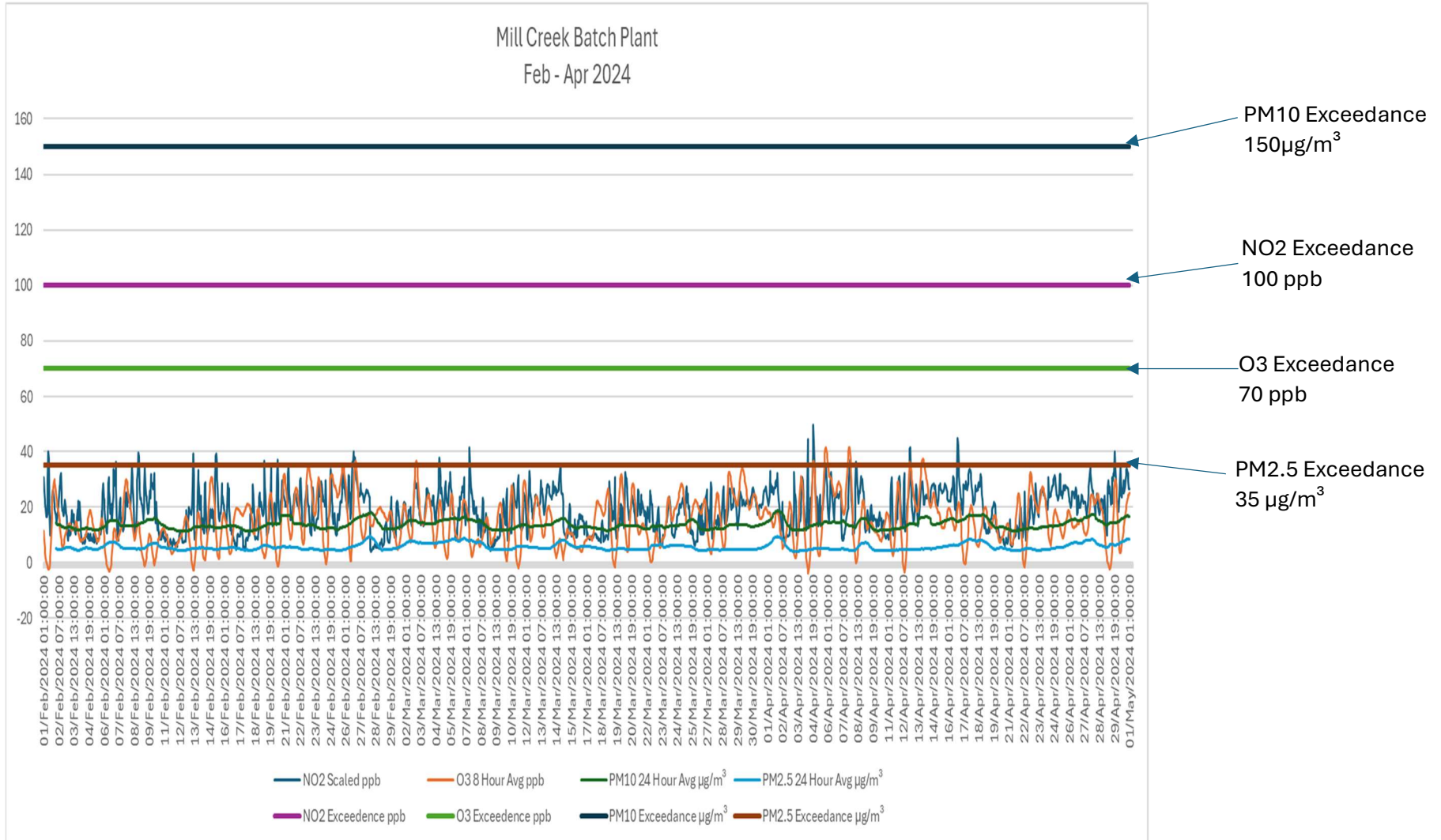
- A primary goal of D-CAMP is to provide the most accurate data possible with the available technology. To meet this goal, all the sensors used in the network undergo a period of co-location before they are placed in the field.
- Co-location refers to the process of operating a regulatory grade reference monitor (FRM/FEM) and non-reference monitor (air sensor) at the same time and location under real-world conditions for a defined evaluation period. Collocating air sensors with regulatory monitors can help evaluate the accuracy of the sensors by comparison of the two data sets.
- At the end of the co-location period, the data is compared, and correction factors are calculated for each pollutant and each sensor.
- These correction factors have been applied to the data in this report.
- This co-location process provides a more accurate view of the air quality than some networks, such as the Purple Air network, that do not use this procedure.

# Larry Johnson Recreation Center



Larry Johnson Rec Center	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	19.36	13.23	12.20	5.27
Maximum Concentration	43.96	35.73	17.23	10.56

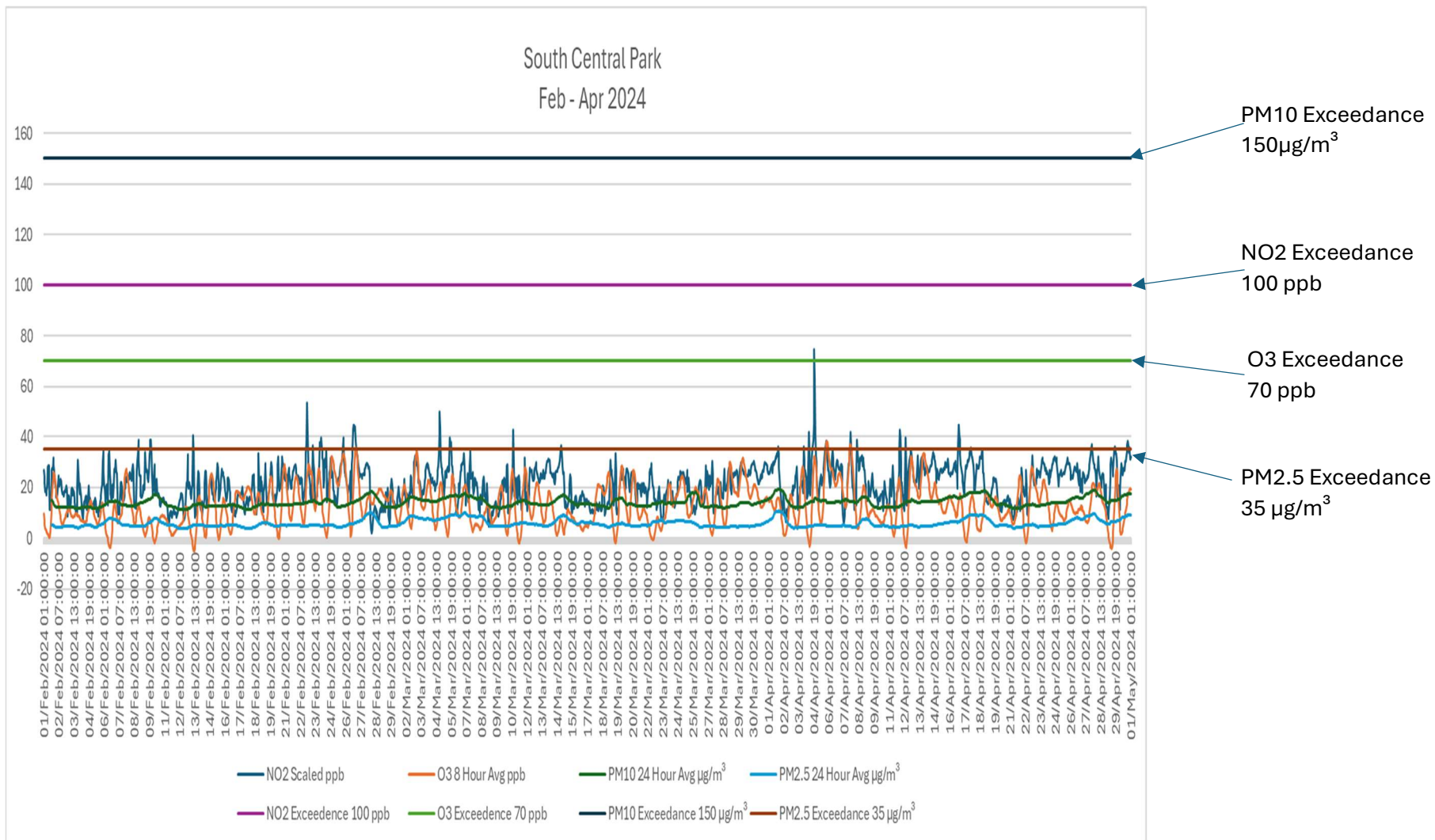
# Mill Creek Batch Plant



Mill Creek Batch Plant	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	18.76	14.93	13.68	5.65
Maximum Concentration	49.43	41.35	18.66	9.43

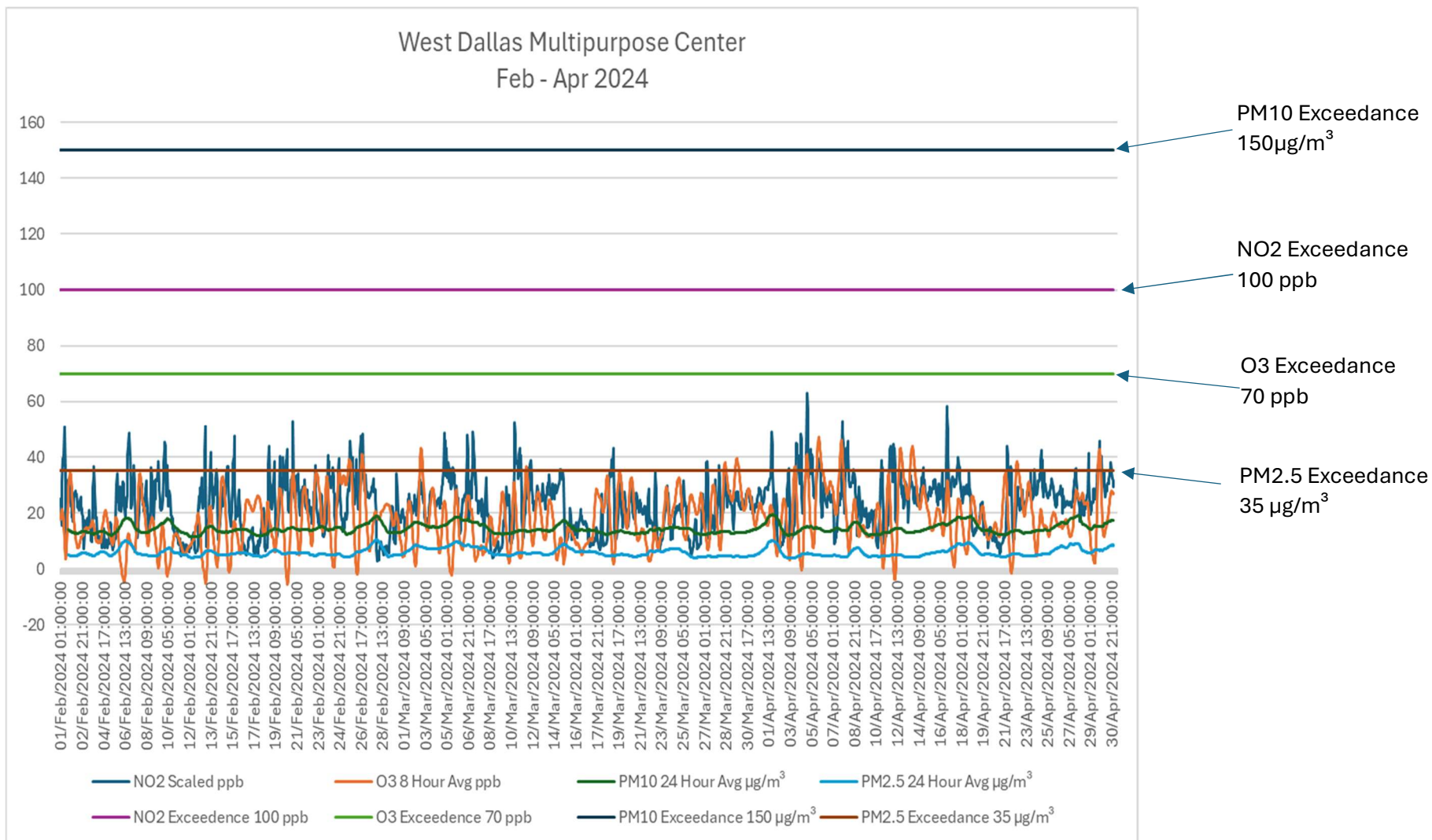


# South Central Park



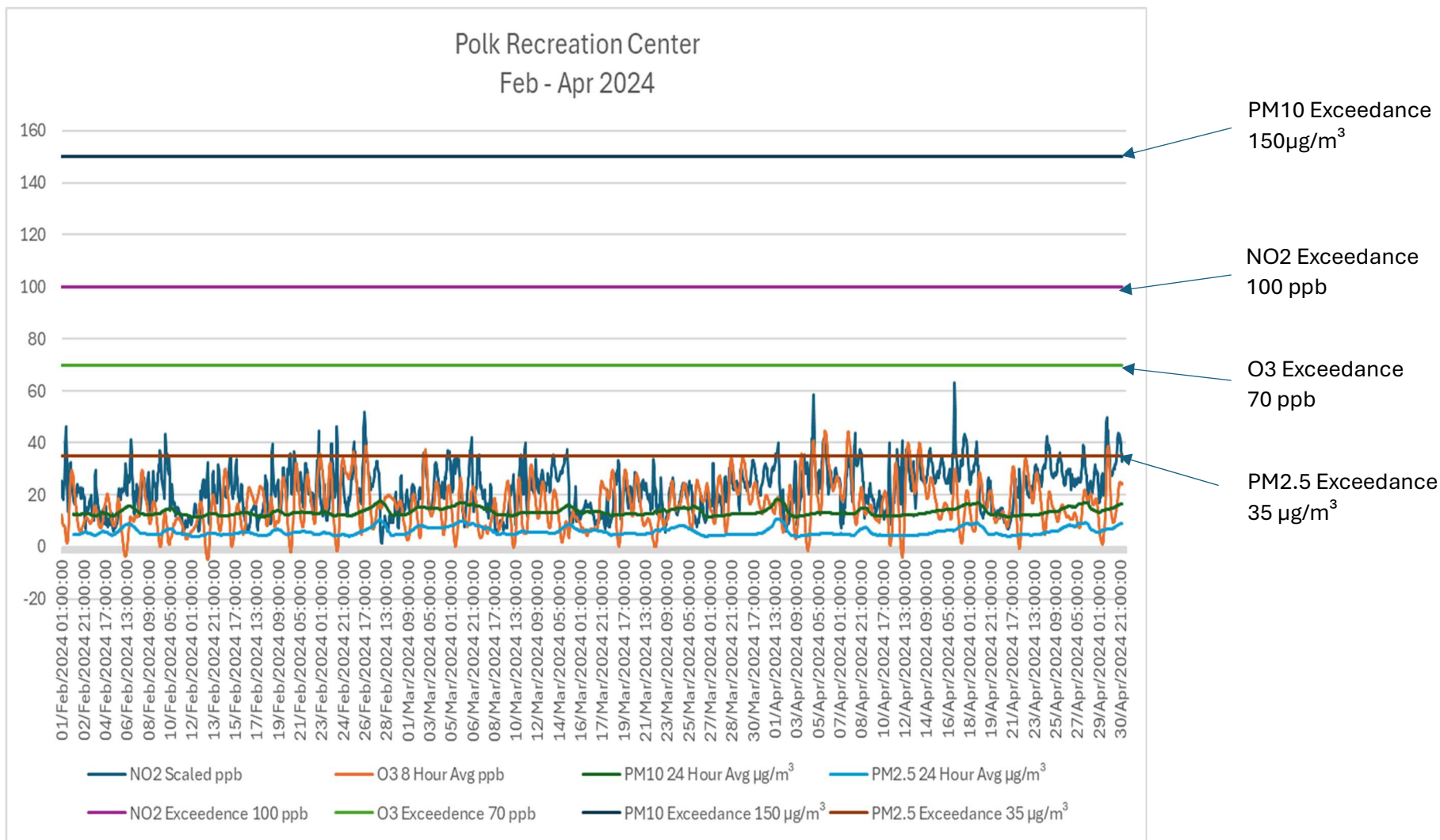
Mill Creek Batch Plant	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	21.19	12.86	14.05	5.81
Maximum Concentration	74.68	38.08	19.37	10.69

# West Dallas Multipurpose Center



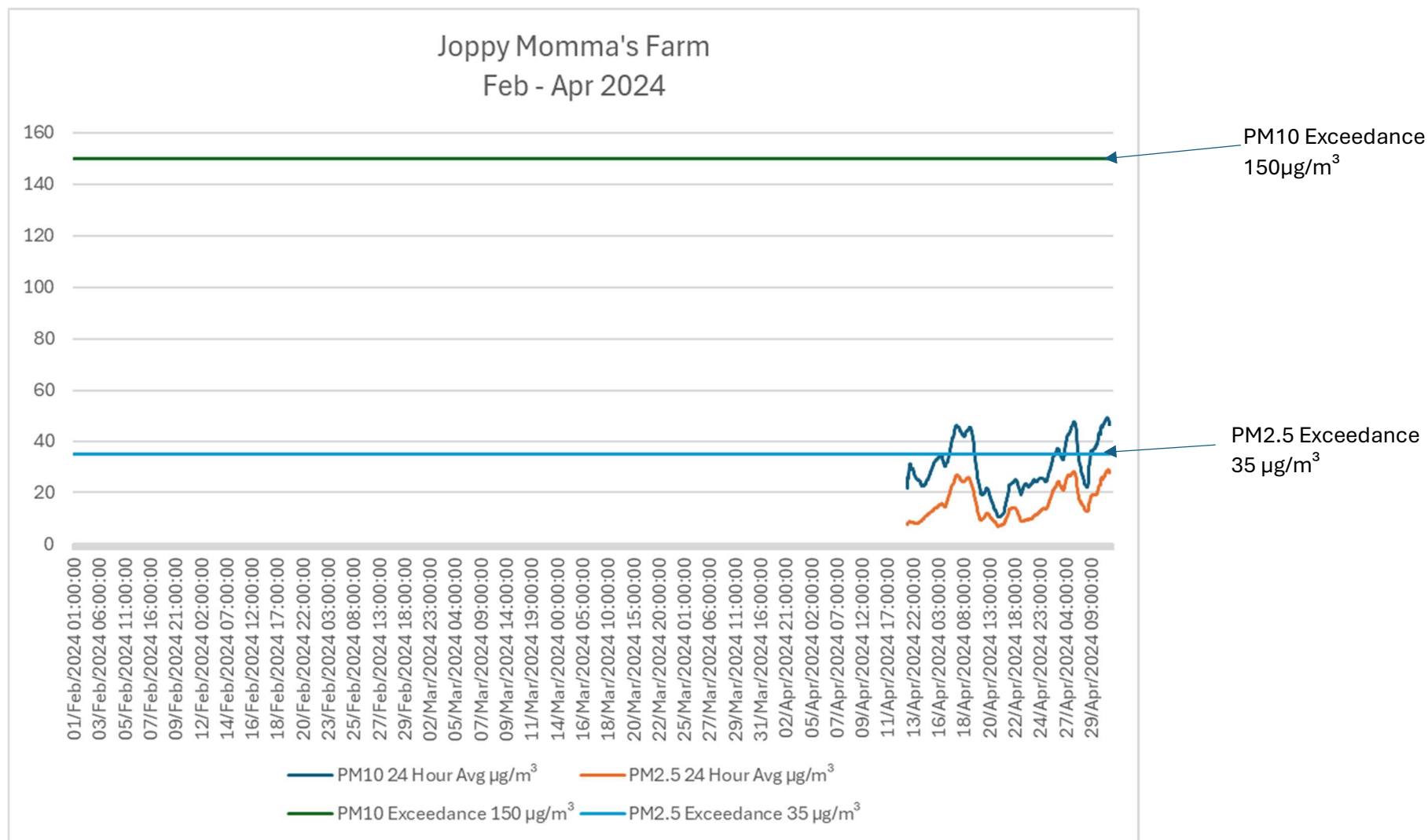
West Dallas Multipurpose Center	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	22.88	17.52	14.32	5.87
Maximum Concentration	62.87	46.95	19.41	10.48

# Polk Recreation Center



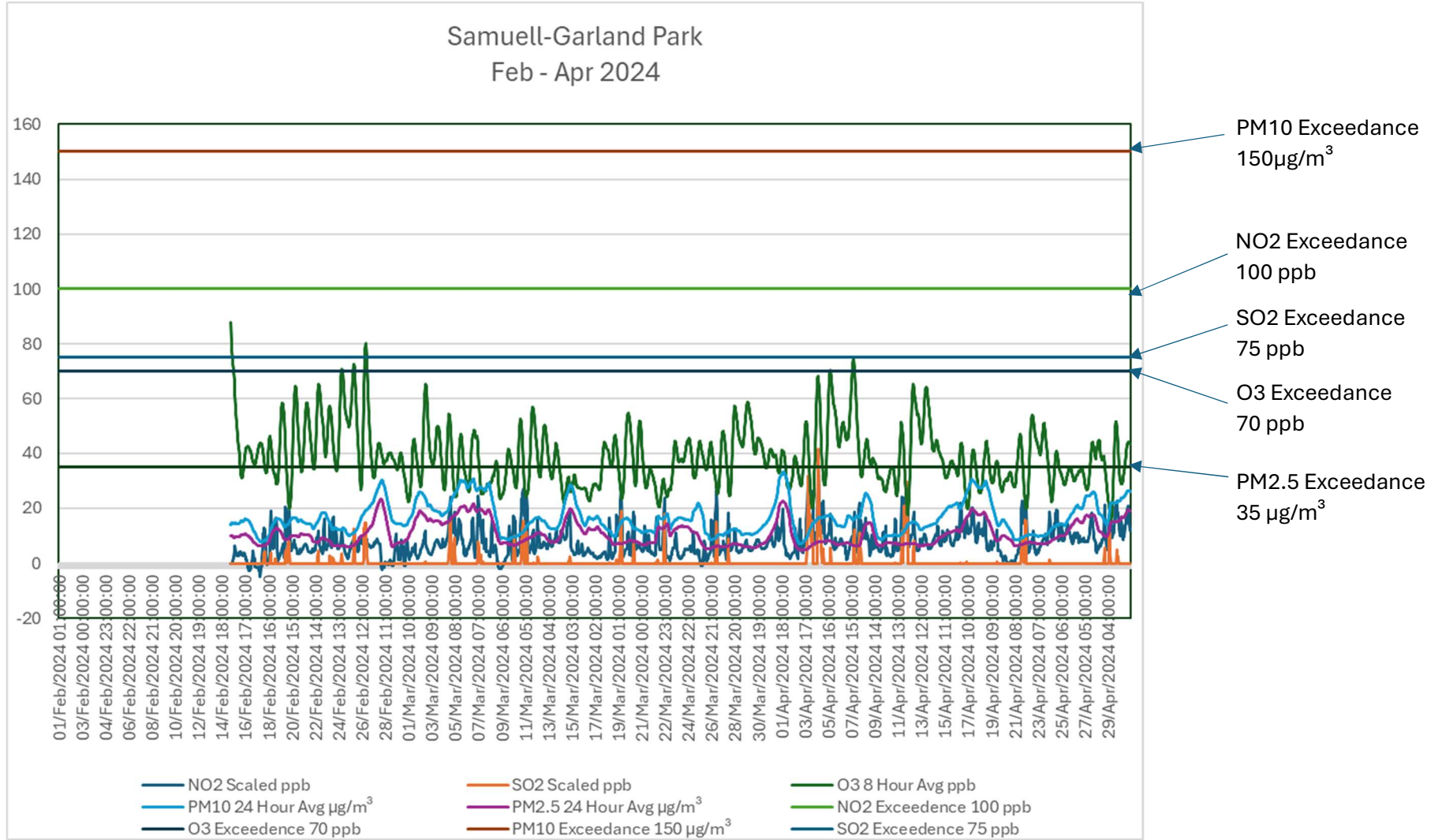
Polk Recreation Center	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	21.95	15.66	13.40	5.85
Maximum Concentration	63.13	44.27	18.18	10.59

# Joppy Momma's Farm



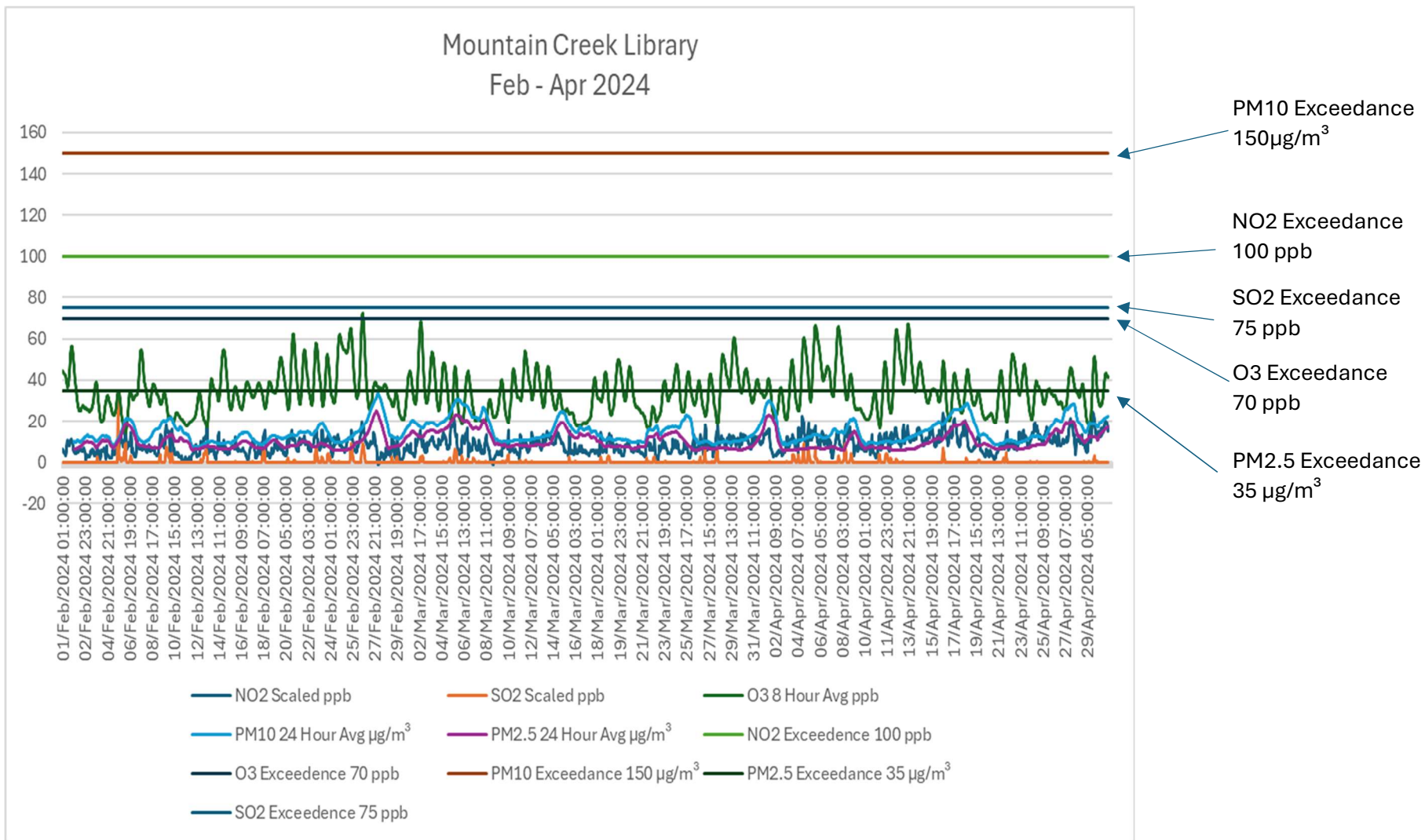
Joppy Momma's Farm	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> 24 Hour Average ( $\mu\text{g}/\text{m}^3$ )
Average Concentration	No Data	No Data	No Data	30.21	16.04
Maximum Concentration	No Data	No Data	No Data	49.22	28.88

# Samual-Garland Park



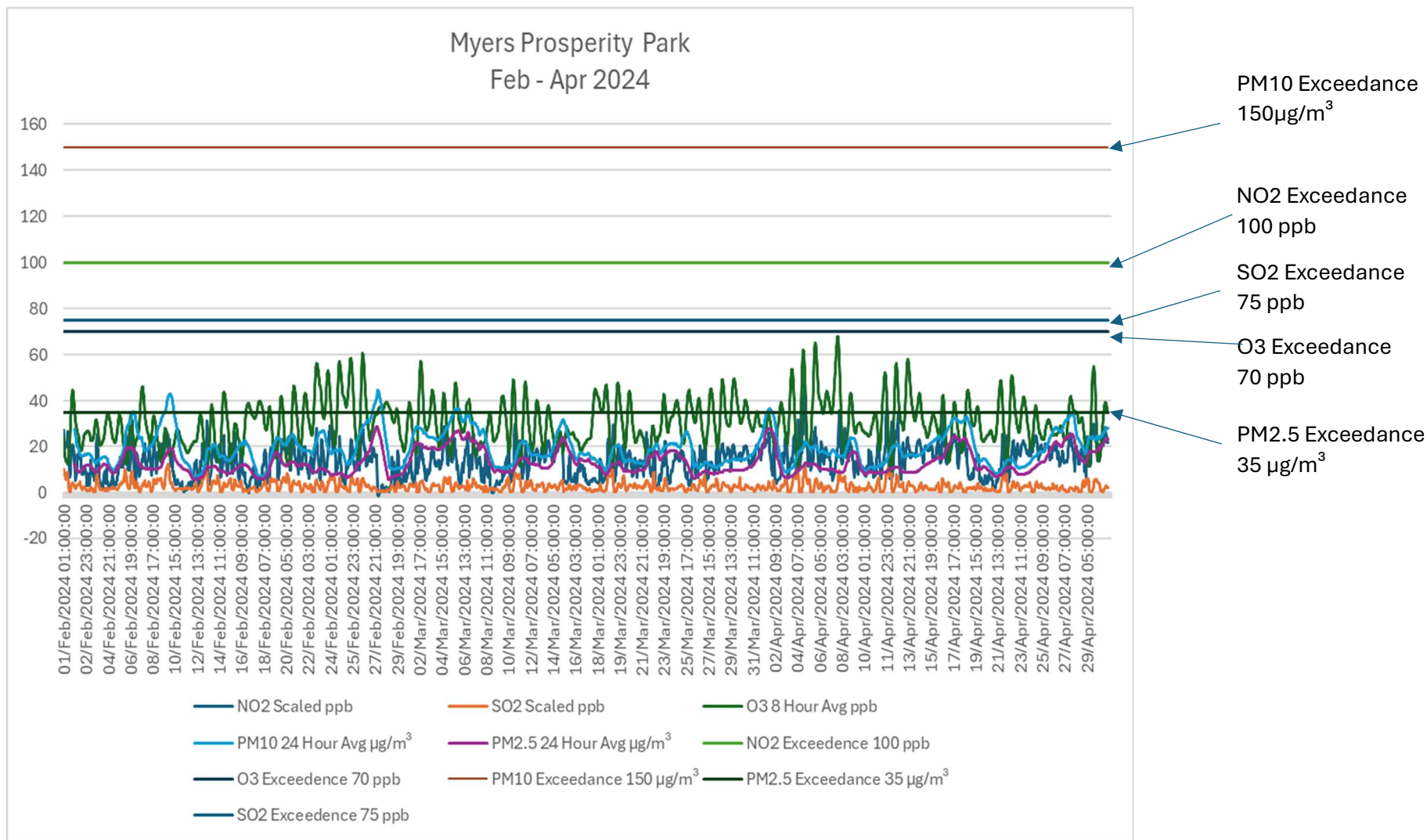
Samual-Garland Park	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	7.63	38.81	0.69	16.42	10.62
Maximum Concentration	35.30	87.96	41.67	33.31	23.55

# Mountain Creek Library



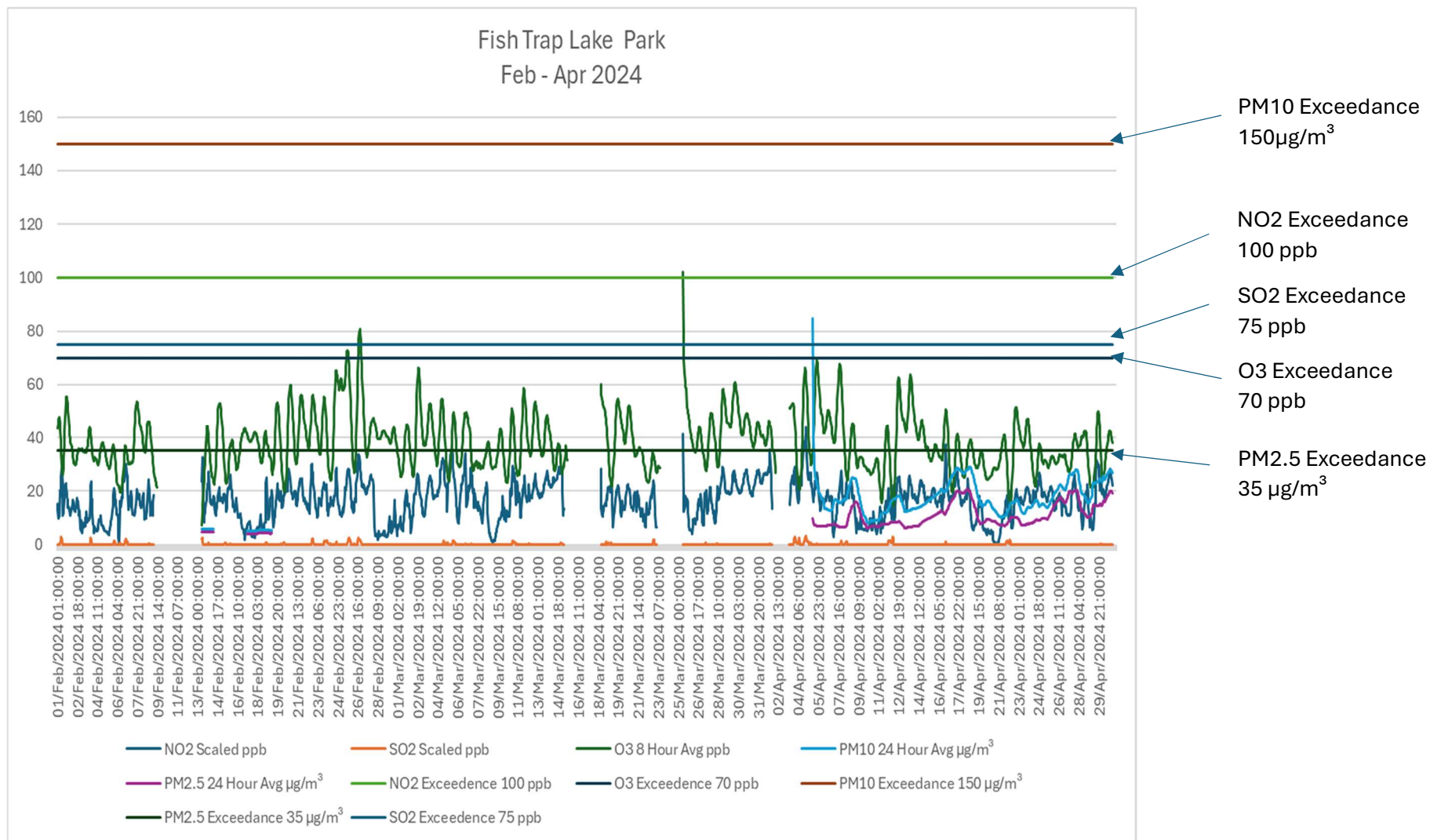
Mountain Creek Library	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	8.42	34.44	0.36	14.76	10.15
Maximum Concentration	24.66	72.23	30.40	33.46	25.02

# Myers Prosperity Park



Myers Prosperity Park	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	13.61	30.39	2.60	19.28	12.95
Maximum Concentration	47.12	67.92	13.63	44.47	28.50

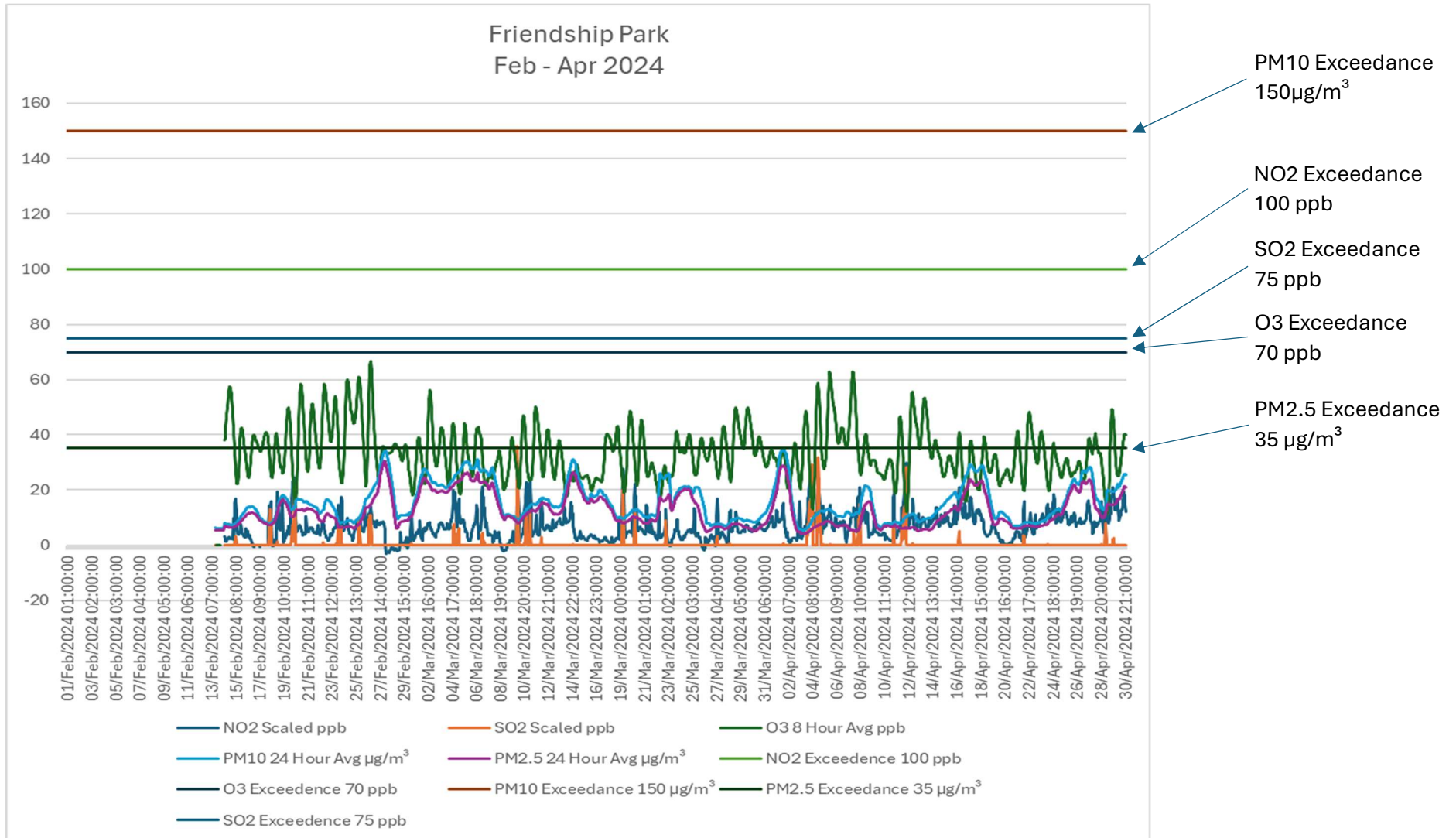
# Fish Trap Lake Park



Fish Trap Lake Park	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	16.37	38.45	0.11	16.62	10.30
Maximum Concentration	43.73	102.17	3.39	84.72	20.55

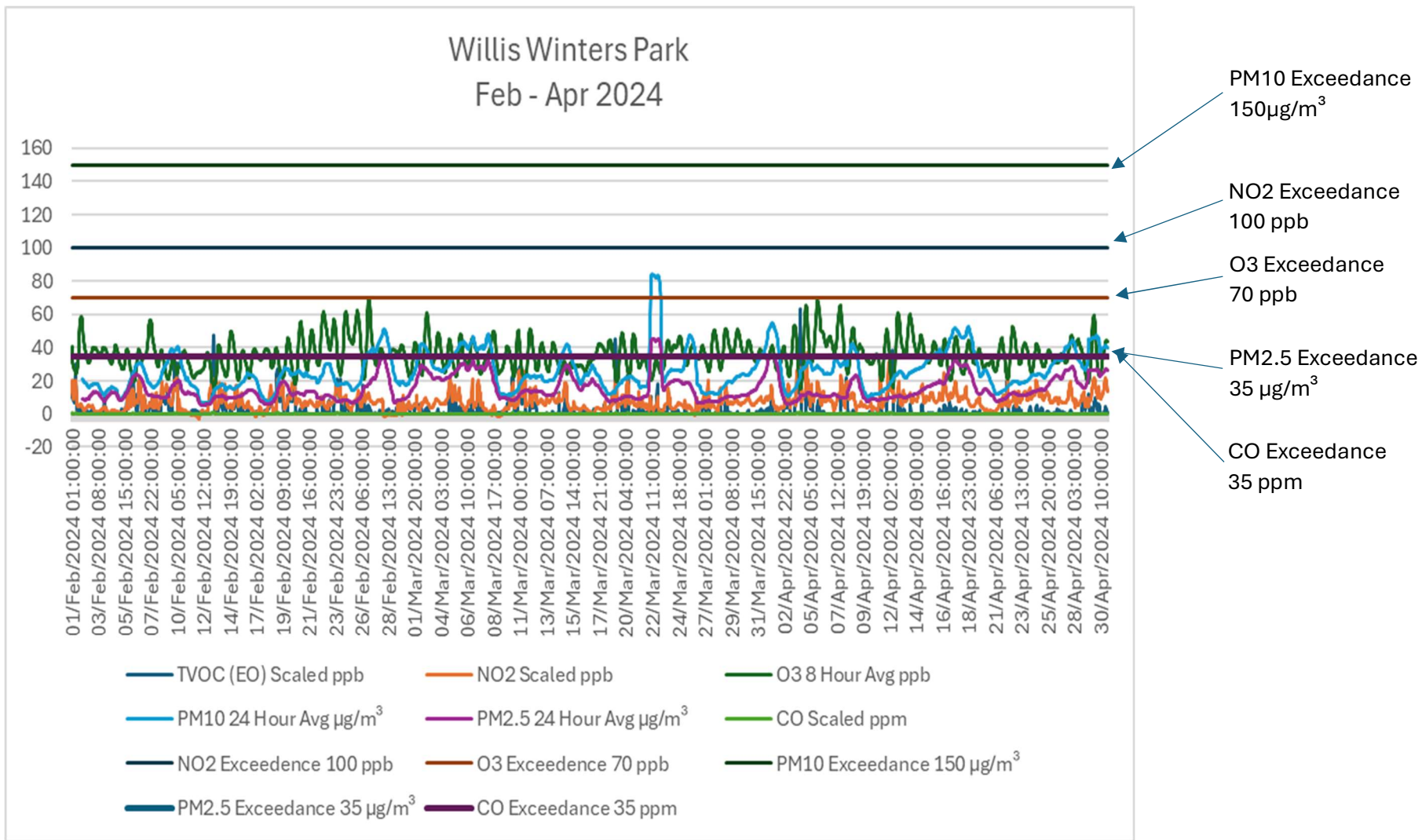


# Friendship Park



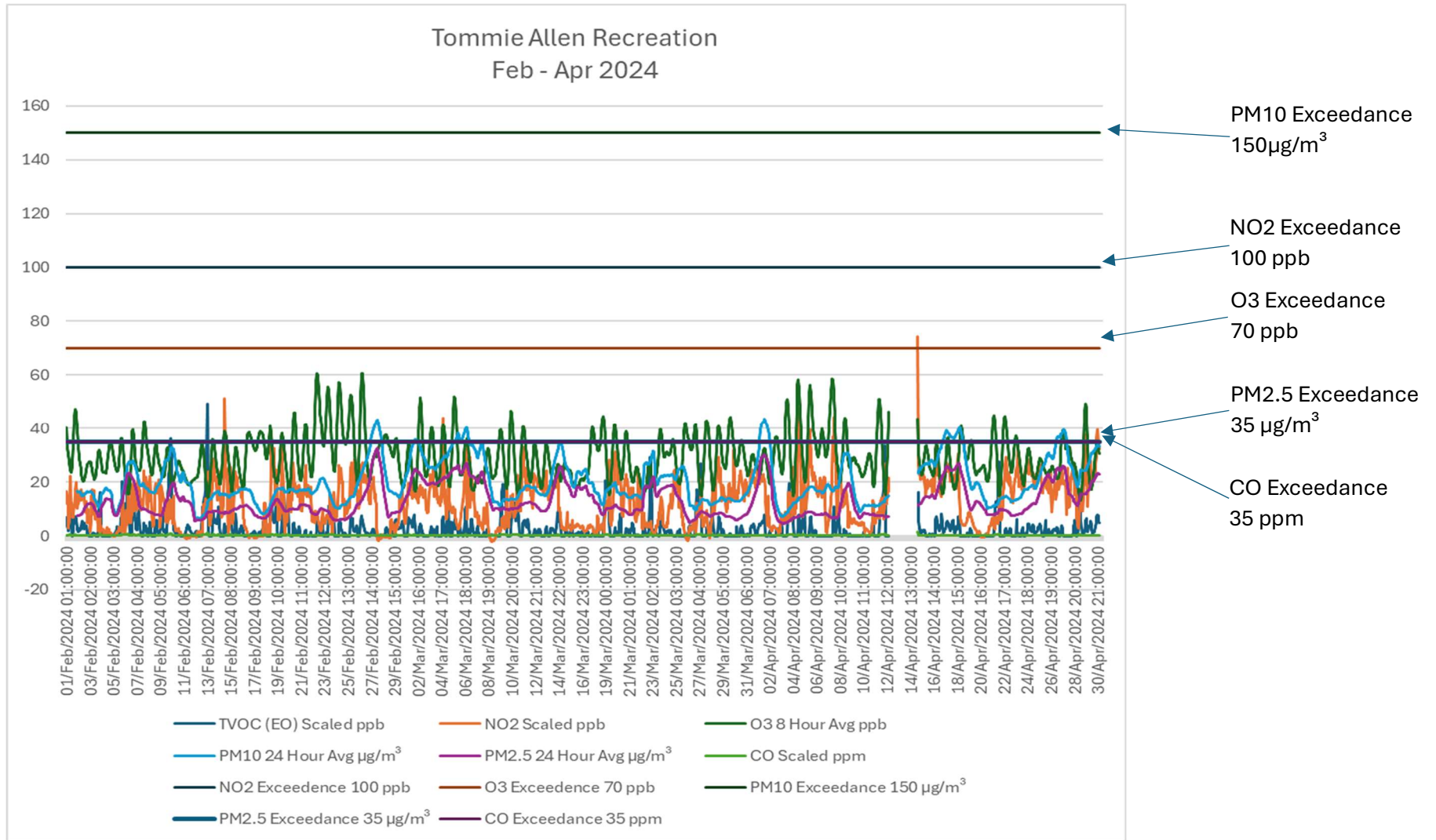
Friendship Park	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	6.76	33.49	0.51	15.36	12.42
Maximum Concentration	29.89	66.92	35.73	34.90	30.51

# Willis Winters Park



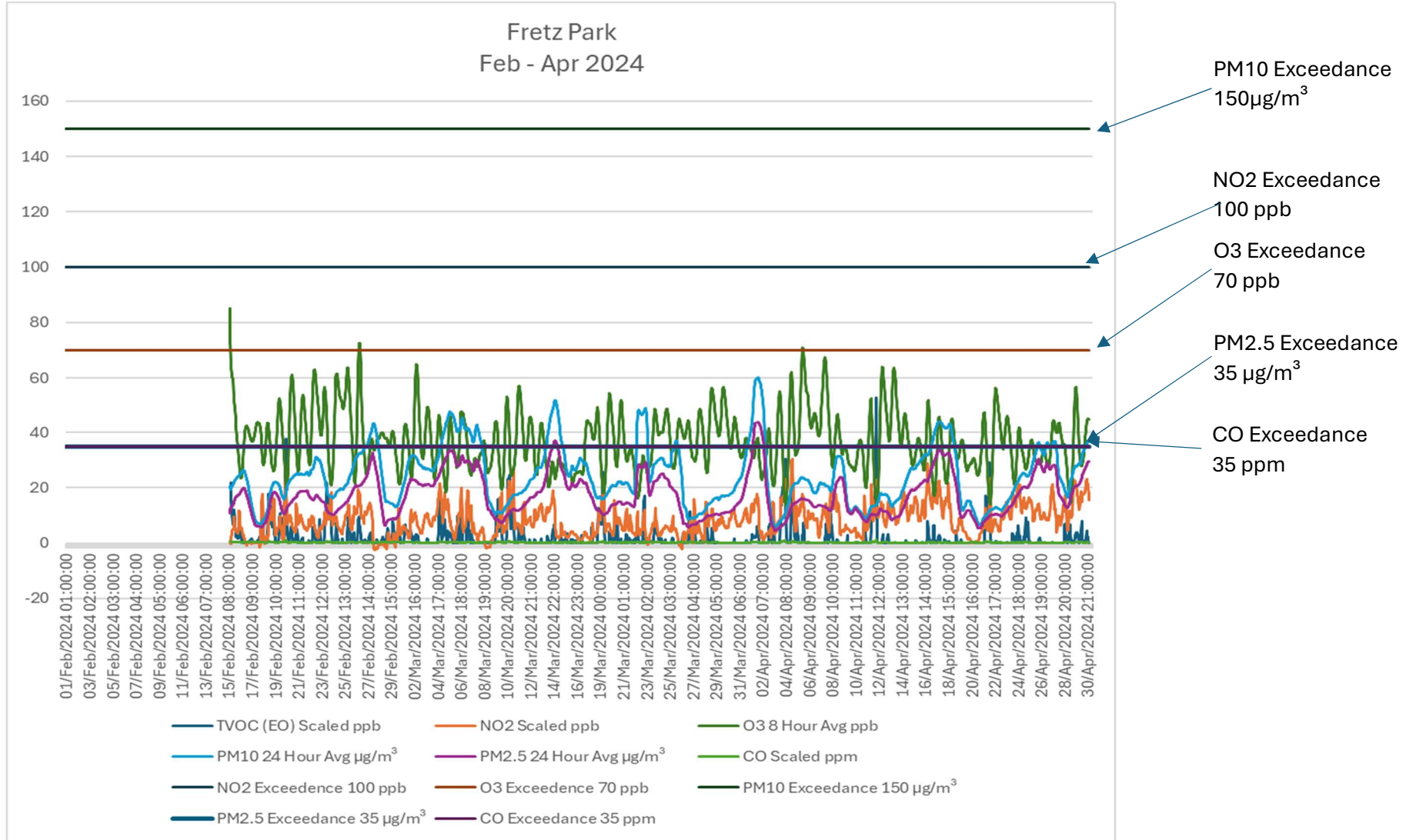
Willis Winters Park	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	7.66	36.04	0.22	3.07	26.07	15.48
Maximum Concentration	36.62	68.95	1.44	63.59	84.21	45.60

# Tommy Allen Recreation Center



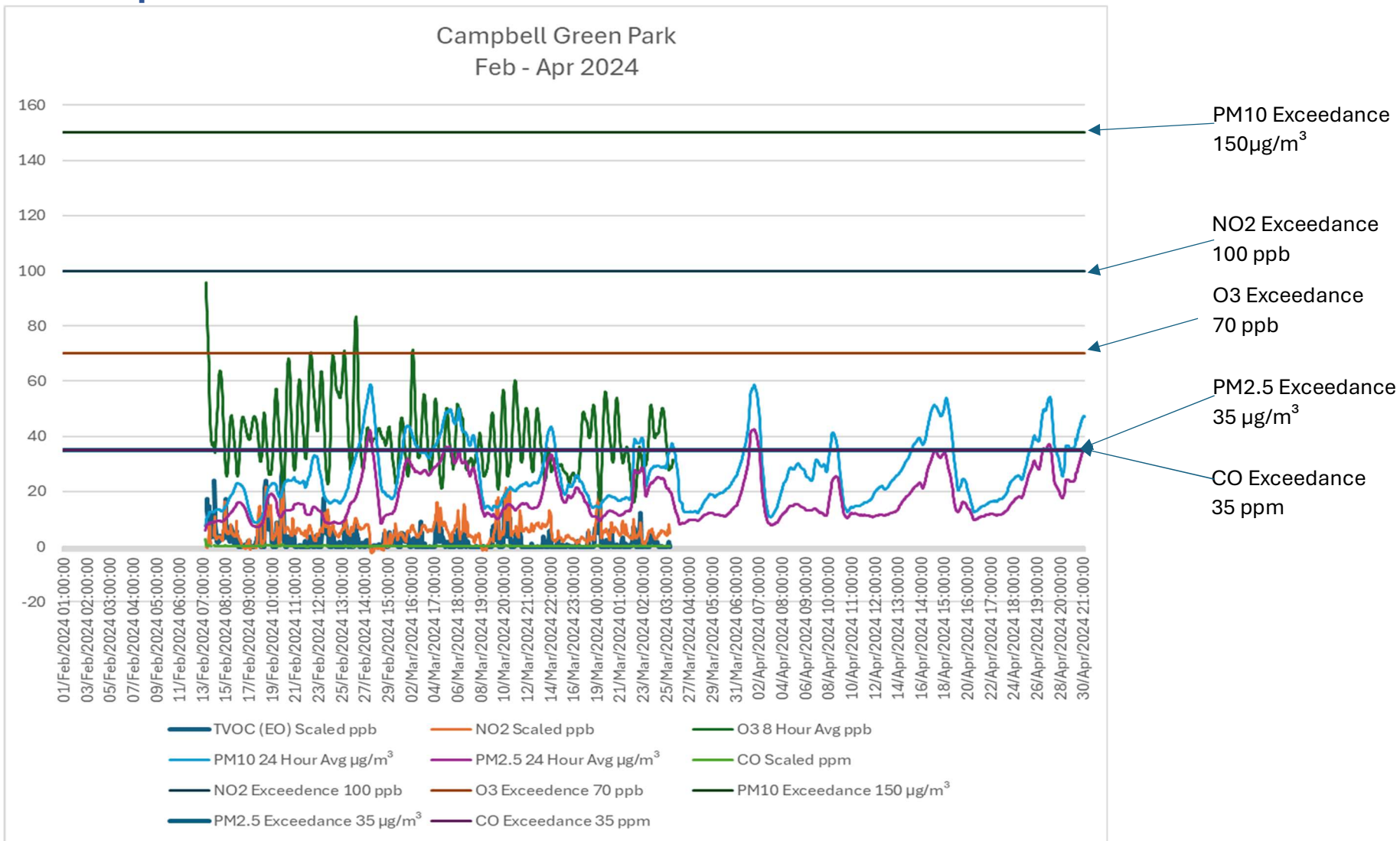
Tommy Allen Recreation Center	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Average (ppb)	PM <sub>10</sub> 24 Hour Average ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> 24 Hour Average ( $\mu\text{g}/\text{m}^3$ )
Average Concentration	12.11	29.39	0.25	2.75	20.14	12.98
Maximum Concentration	74.23	60.76	1.60	49.28	43.60	32.46

# Fretz Park



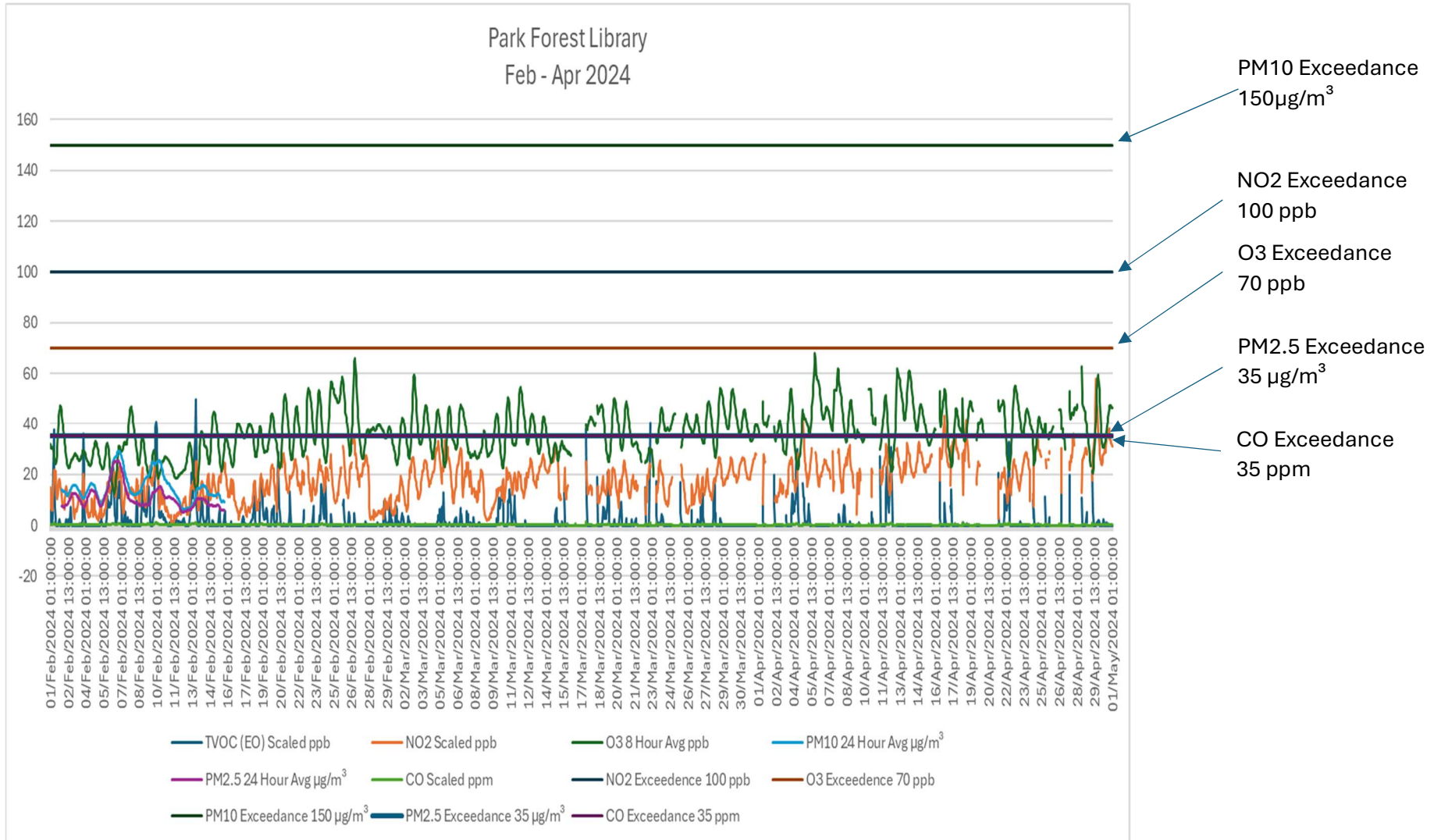
Fetz Park	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> 24 Hour Average ( $\mu\text{g}/\text{m}^3$ )
Average Concentration	8.11	37.05	0.26	2.13	24.27	17.35
Maximum Concentration	30.34	85.03	1.29	52.96	60.24	43.94

# Campbell Green Park



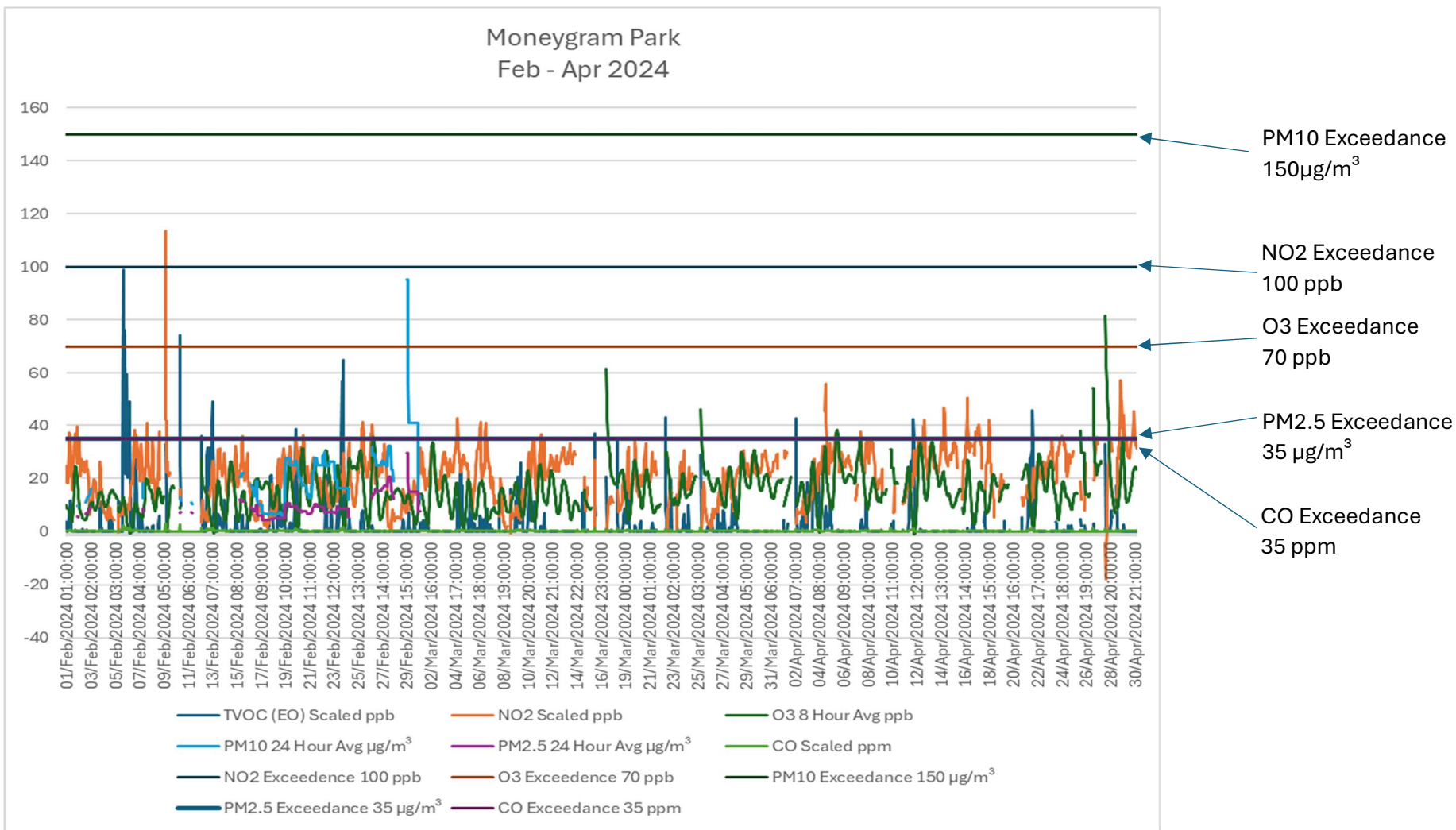
Campbell Green Park	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	5.29	40.02	0.24	2.07	26.68	17.84
Maximum Concentration	23.48	95.74	2.72	27.87	58.78	42.67

# Park Forest Library



Park Forest Library	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	17.51	36.66	0.21	2.25	15.00	10.84
Maximum Concentration	57.67	68.07	1.38	49.82	29.05	25.49

# Moneygram Park



Moneygram Park	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Average Concentration	21.07	15.42	0.30	2.85	20.70	9.55
Maximum Concentration	113.47	81.74	3.08	98.80	95.27	29.60

# Summary

February 2024 – April 2024

Note: Numbers in RED denote exceedances

## Larry Johnson Rec Center

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	100.0%	100.0%	100.0%	100.0%
Exceedances	None	None	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	8 Hours	8 Hours
Invalid Data	None	None	None	None
Missing Data	None	None	None	None

## Mill Creek Batch Plant

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	100.0%	100.0%	99.5%	99.5%
Exceedances	None	None	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	66 Hours	66 Hours
Invalid Data	None	None	10 Hours	10 Hours
Missing Data	None	None	None	None

## South Central Park

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	100.0%	100.0%	99.1%	99.1%
Exceedances	None	None	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	13 Hours	13 Hours
Invalid Data	None	None	20 Hours	20 Hours
Missing Data	None	None	None	None



## West Dallas Multipurpose Center

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	100.0%	100.0%	99.1%	99.1%
Exceedances	None	None	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	60 Hours	60 Hours
Invalid Data	None	None	19 Hours	19 Hours
Missing Data	None	None	None	None

## Polk Recreation Center

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	100.0%	100.0%	100.0%	100.0%
Exceedances	None	None	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	1 Hour	1 Hour
Invalid Data	None	None	None	None
Missing Data	None	None	None	None

## Joppy Momma's Farm

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	0%	0%	0%	19.4%	19.4%
Exceedances	None	None	None	None	None
Outliers	None	None	None	None	None
Deliquescence	None	None	None	16 Hours	16 Hours
Invalid Data	None	None	None	3 Hours	3 Hours
Missing Data	2160 Hours	2160 Hours	2160 Hours	1738 Hours	1738 Hours

## Samual Garland Park

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	84%	84%	84%	84%	84%
Exceedances	None	25	None	None	None
Outliers	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	22 Hours	22 Hours
Invalid Data	1 Hour	1 Hour	1 Hour	346 Hours	346 Hours
Missing Data	346 Hours	346 Hours	346 Hours	10 Hours	10 Hours

## Mountain Creek Library

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	100%	100%	100%	100%	100%
Exceedances	None	3	None	None	None
Outliers	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	16	16
Invalid Data	2 Hours	2 Hours	2 Hours	None	None
Missing Data	None	None	None	8 Hours	8 Hours

## Myers Prosperity Park

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	100%	100%	100%	100%	100%
Exceedances	None	None	None	None	None
Outliers	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	20 Hours	20 Hours
Invalid Data	None	None	None	7 Hours	7 Hours
Missing Data	None	None	None	None	None

## Fish Trap Lake Park

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	88%	88%	88%	29%	29%
Exceedances	None	14	None	None	None
Outliers	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	11 Hours	11 Hours
Invalid Data	None	None	None	1274 Hours	1274 Hours
Missing Data	260 Hours	260 Hours	259 Hours	259 Hours	259 Hours

## Friendship Park

Data Summary	NO <sub>2</sub> Hourly Average (ppb)	O <sub>3</sub> 8 Hour Average (ppb)	SO <sub>2</sub> Hourly Average (ppb)	PM <sub>10</sub> 24 Hour Average (µg/m <sup>3</sup> )	PM <sub>2.5</sub> 24 Hour Average (µg/m <sup>3</sup> )
Capture Percent	85%	85%	85%	85%	85%
Exceedances	None	None	None	None	None
Outliers	None	9	None	None	None
Deliquescence	N/A	N/A	N/A	16 Hours	16 Hours
Invalid Data	2 Hours	2 Hours	None	7 Hours	7 Hours
Missing Data	317 Hours	317 Hours	317 Hours	317 Hours	317 Hours



