City of Dallas

Community Air Management Program

Quarterly Data Summary

August through October 2024

Executive Summary

Of the 24 AQMesh pods currently owned by the City of Dallas, 21 are in operation providing valid pollution data.

The pods at these locations are not currently in service:
- Westhaven Park
- Mill Creek Batch Plant
- Holcomb Park

The following Pods reported Exceedances during the period of August through October 2024:

Larry Johnson Rec Center: 27 NO_2 Exceedances

South Central Park: 4 NO_2 Exceedances

Floral Farms: S. Central Expressway: 3 NO_2 Exceedances

Floral Farms: Simpson Stuart Rd: 41 NO_2 Exceedances

West Dallas Multipurpose Center: 5 NO_2 Exceedances, 6 Ozone Exceedances

Polk Recreation Center: 116 NO_2 Exceedances, 7 Ozone Exceedances

Joppy Momma's Farm: 114 NO_2 Exceedances, 397 Ozone Exceedances, 82 SO_2 Exceedances

Samual-Garland Park: 225 Ozone Exceedances

Dallas Zoo: 54 Ozone Exceedances

Mountain Creek Library: 5 NO_2 Exceedances, 175 Ozone Exceedances

Myers Prosperity Park: 8 NO_2 Exceedances, 187 Ozone Exceedances

Fish Trap Lake Park: 2 NO_2 Exceedances, 201 Ozone Exceedances

Friendship Park: 30 NO_2 Exceedances, 121 Ozone Exceedances, 63 SO_2 Exceedances

Willis Winters Park: 139 Ozone Exceedances, 24 PM_{10} Exceedances, 24 $PM_{2.5}$ Exceedances

Tommie Allen Recreation Center: 5 NO_2 Exceedances, 148 Ozone Exceedances

Fretz Park: 6 NO_2 Exceedances, 108 Ozone Exceedances, 264 $PM_{2.5}$ Exceedances

Martin Weiss Park: 148 Ozone Exceedances

Campbell Green Park: 309 Ozone Exceedances

Park Forest Library: 88 NO_2 Exceedances, 153 Ozone Exceedances
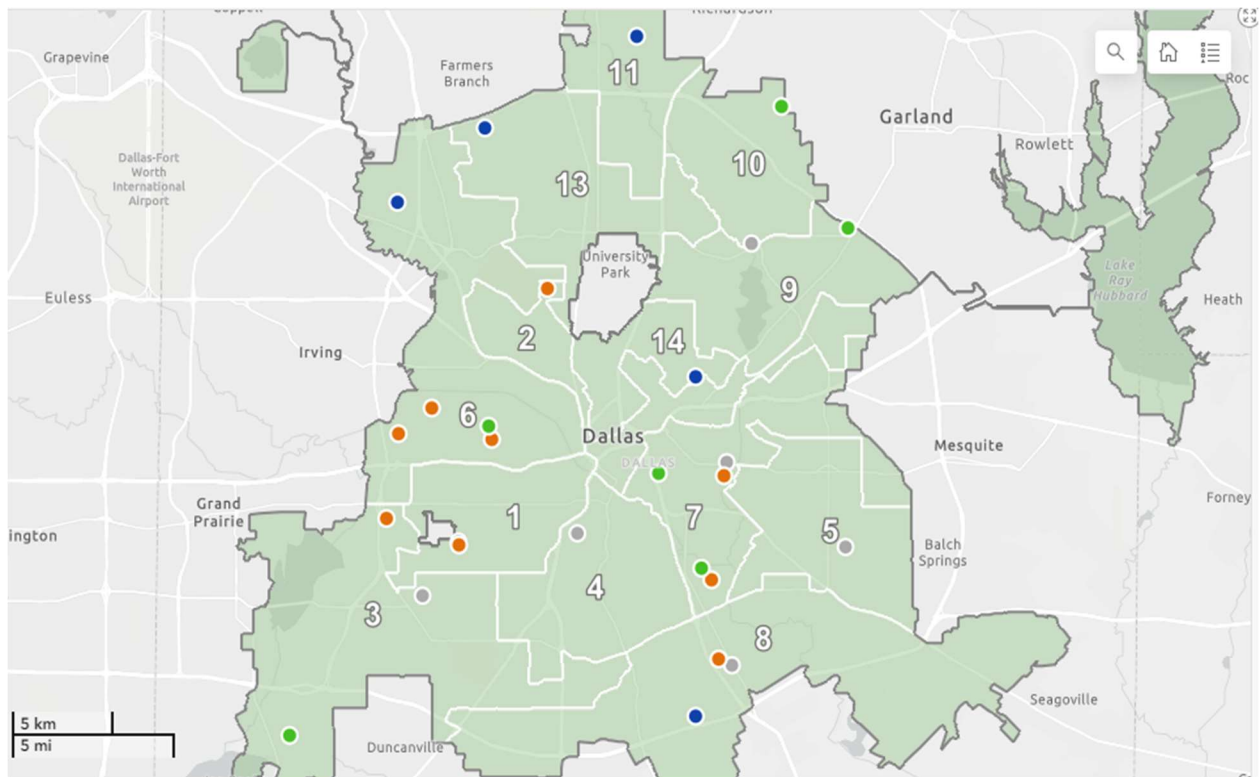
Moneygram Park: 147 NO_2 Exceedances

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_3 less than 35 ppb
	NO_2 less 50 ppb
	PM_{10} less than 75 µg/m³
	$PM_{2.5}$ less than 17 µg/m³
	CO less than 18ppm
	SO2 less than 38ppb
Moderate Level of Air Pollution	O_3 higher than 35 ppb and less than 70 ppb
	NO_2 higher 50 ppb and less than 100 ppb
	PM_{10} higher than 75 µg/m³ and less than 150 µg/m³
	$PM_{2.5}$ higher than 17 µg/m³ and less than 35 µg/m³
	CO higher than 18ppm and less than 35ppm
	SO2 higher than 38ppb and less than 75ppb
High Level of Air Pollution	O_3 higher than 70 ppb
	NO_2 higher 100 ppb
	PM_{10} higher than 150 µg/m³
	$PM_{2.5}$ higher than 35 µg/m³
	CO higher than 35ppm
	SO2 higher than 75ppb

Technical Information

Sensors Used in the Network

This report summarizes air quality data collected from 21 out of 24 AQMesh sensors operating in the network during this data summary period. 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_3), and nitrogen dioxide NO_2.

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 Recreation Center
August - October 2024

Legend:
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg μg/m³
- PM2.5 24 Hour Avg μg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 μg/m³
- PM2.5 Exceedance 35 μg/m³
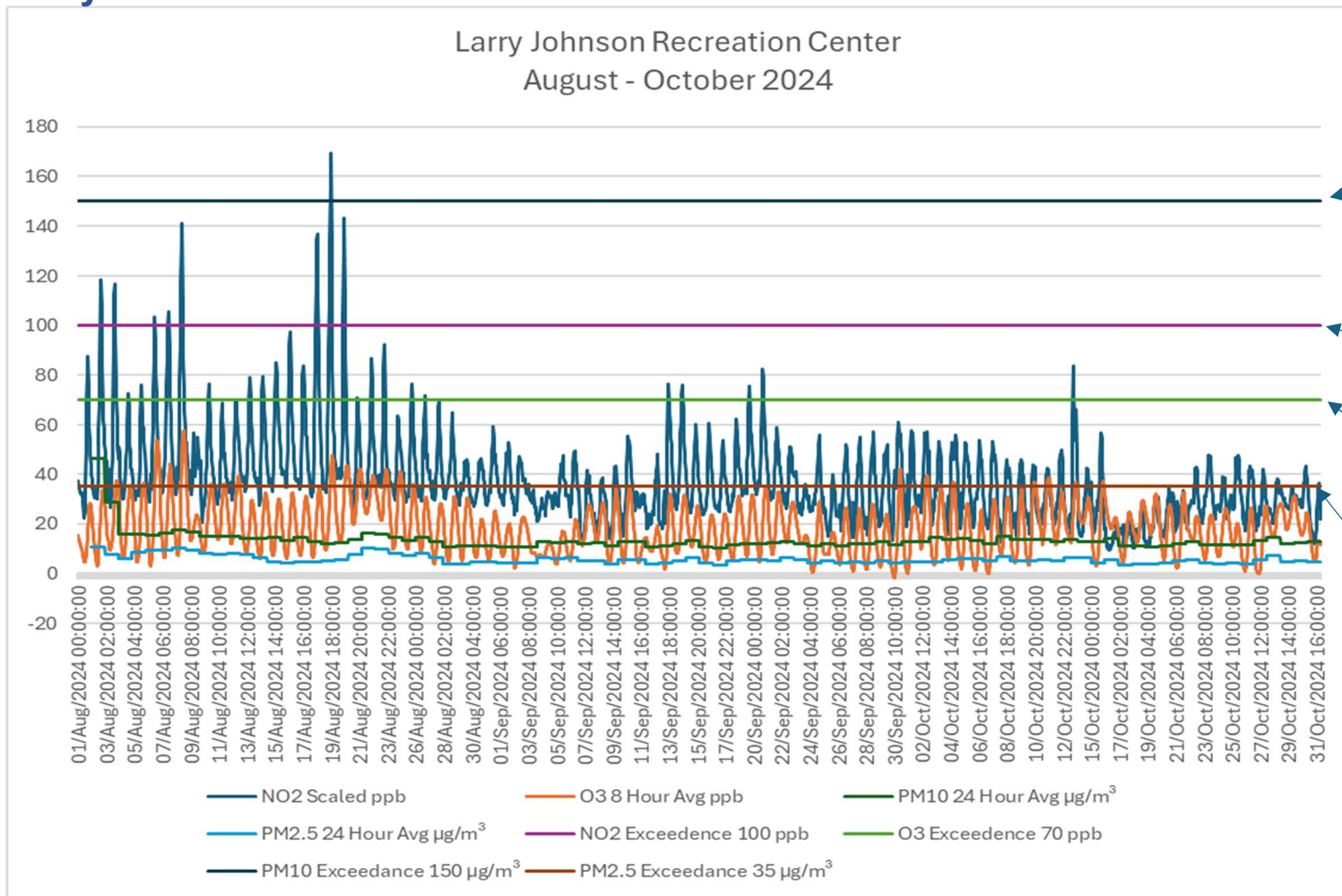
Larry Johnson Rec Center	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m³)	PM$_{2.5}$ 24-Hour Average (μg/m³)
Average Concentration	37.45	18.38	13.41	5.72
Maximum Concentration	169.46	57.54	46.03	10.72

South Central Park

South Central Park
August - October 2024

PM10 Exceedance 150µg/m³

NO2 Exceedance 100 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 µg/m³

Legend: NO2 Scaled ppb — O3 8 Hour Avg ppb — PM10 24 Hour Avg µg/m³ — PM2.5 24 Hour Avg µg/m³ — NO2 Exceedence 100 ppb — O3 Exceedence 70 ppb — PM10 Exceedance 150 µg/m³ — PM2.5 Exceedance 35 µg/m³
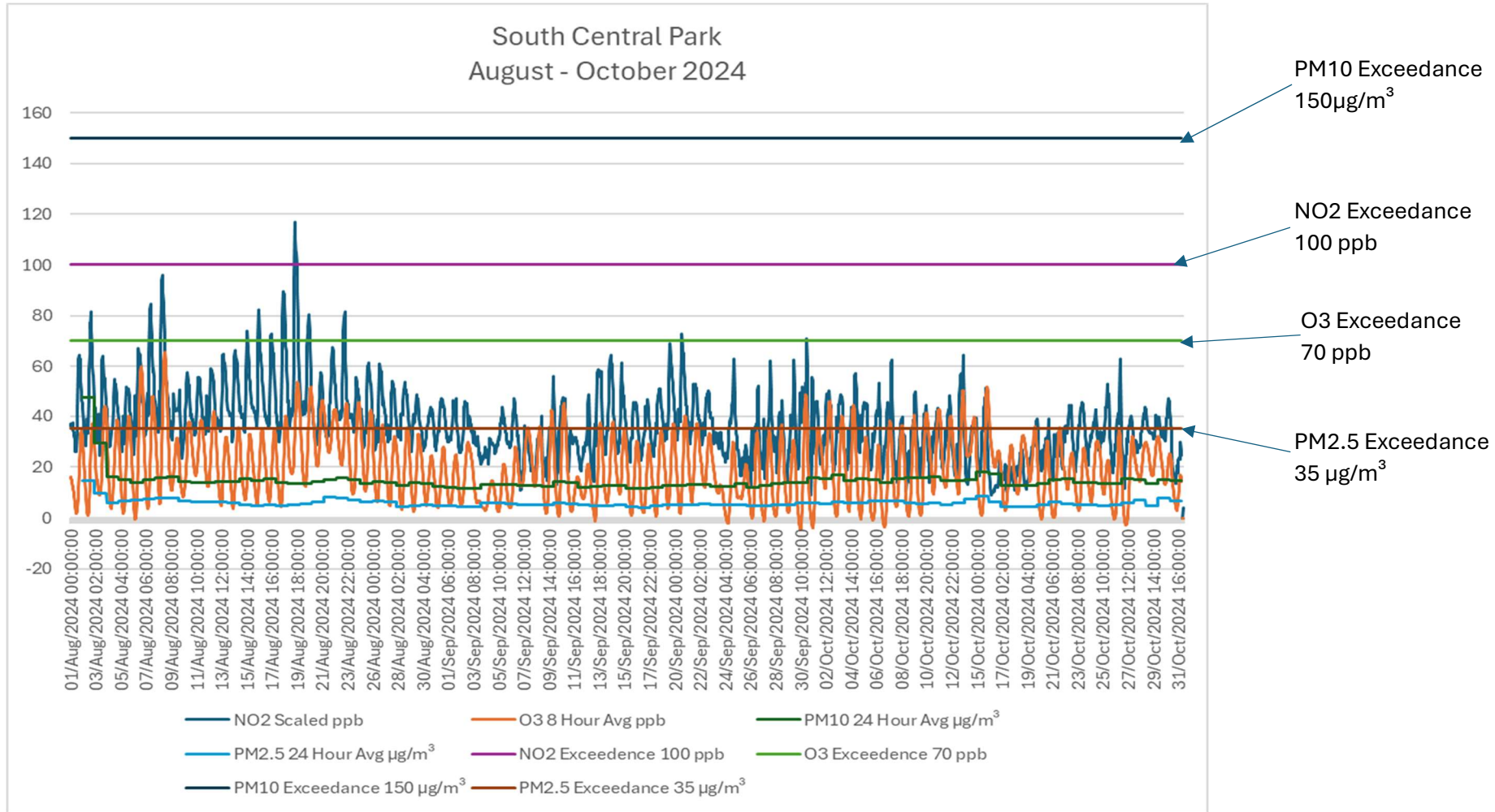
South Central Park	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m³)	PM$_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	36.98	19.73	14.55	5.86
Maximum Concentration	116.99	65.51	47.75	14.63

Floral Farms: South Central Expressway

Floral Farms: South Central Expressway
August - October 2024

PM10 Exceedance 150µg/m³

NO2 Exceedance 100 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 µg/m³

Legend:
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 µg/m³
- PM2.5 Exceedance 35 µg/m³
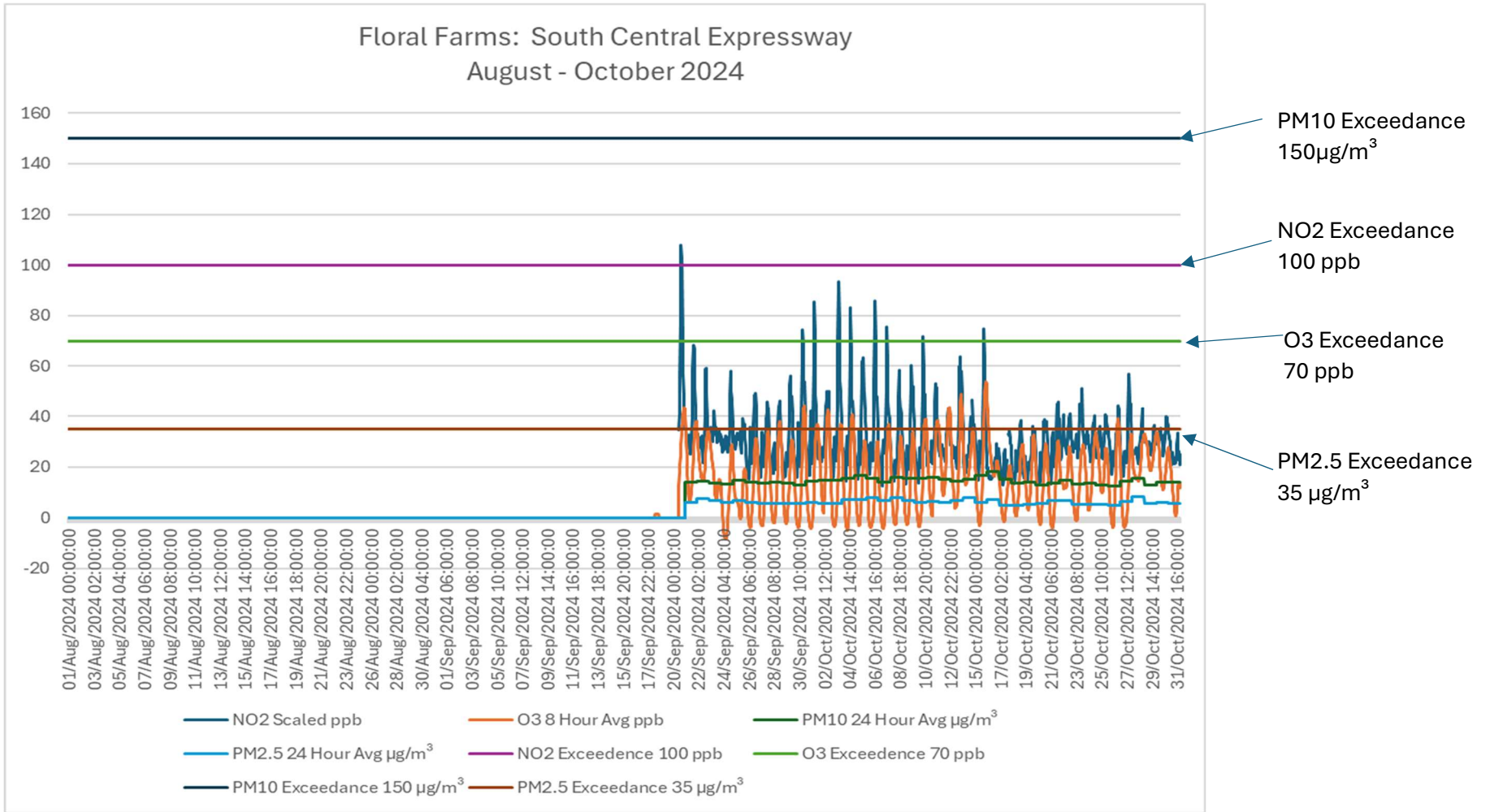
Floral Farms: S. Central Expressway	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m³)	PM$_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	31.08	15.85	14.42	6.20
Maximum Concentration	107.93	53.94	18.00	8.34

Floral Farms: Simpson Stuart Rd

Floral Farms: Simpson Stuart Road
August - October 2024

PM10 Exceedance 150μg/m³

NO2 Exceedance 100 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 μg/m³

Legend:
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg μg/m³
- PM2.5 24 Hour Avg μg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 μg/m³
- PM2.5 Exceedance 35 μg/m³
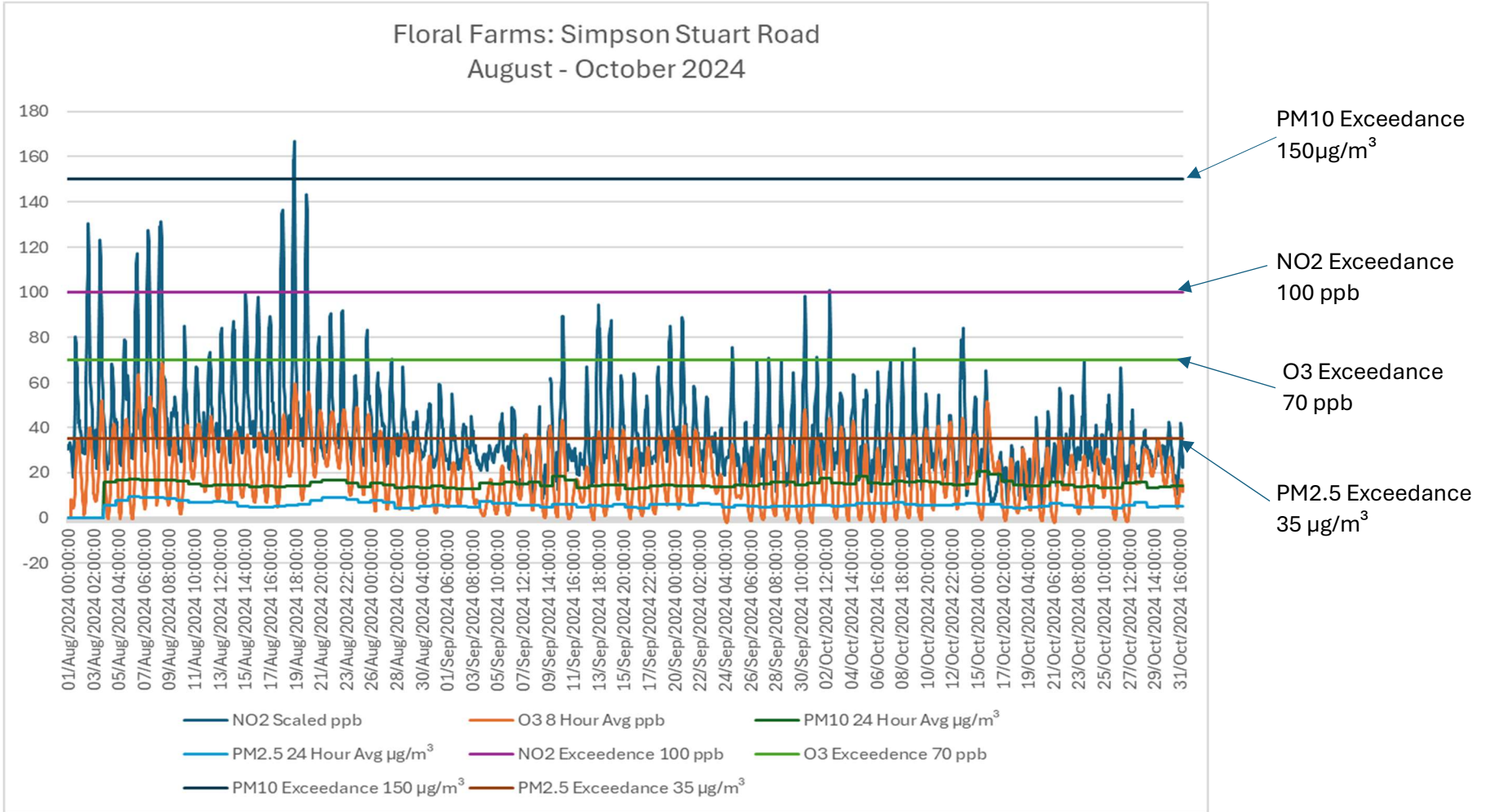
Floral Farms: Simpson Stuart Rd	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m³)	PM$_{2.5}$ 24-Hour Average (μg/m³)
Average Concentration	37.51	19.36	14.97	5.91
Maximum Concentration	166.95	68.85	20.71	9.19

West Dallas Multipurpose Center

West Dallas Multipurpose Center
August - October 2024

PM10 Exceedance 150µg/m³

NO2 Exceedance 100 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 µg/m³

Legend:
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 µg/m³
- PM2.5 Exceedance 35 µg/m³
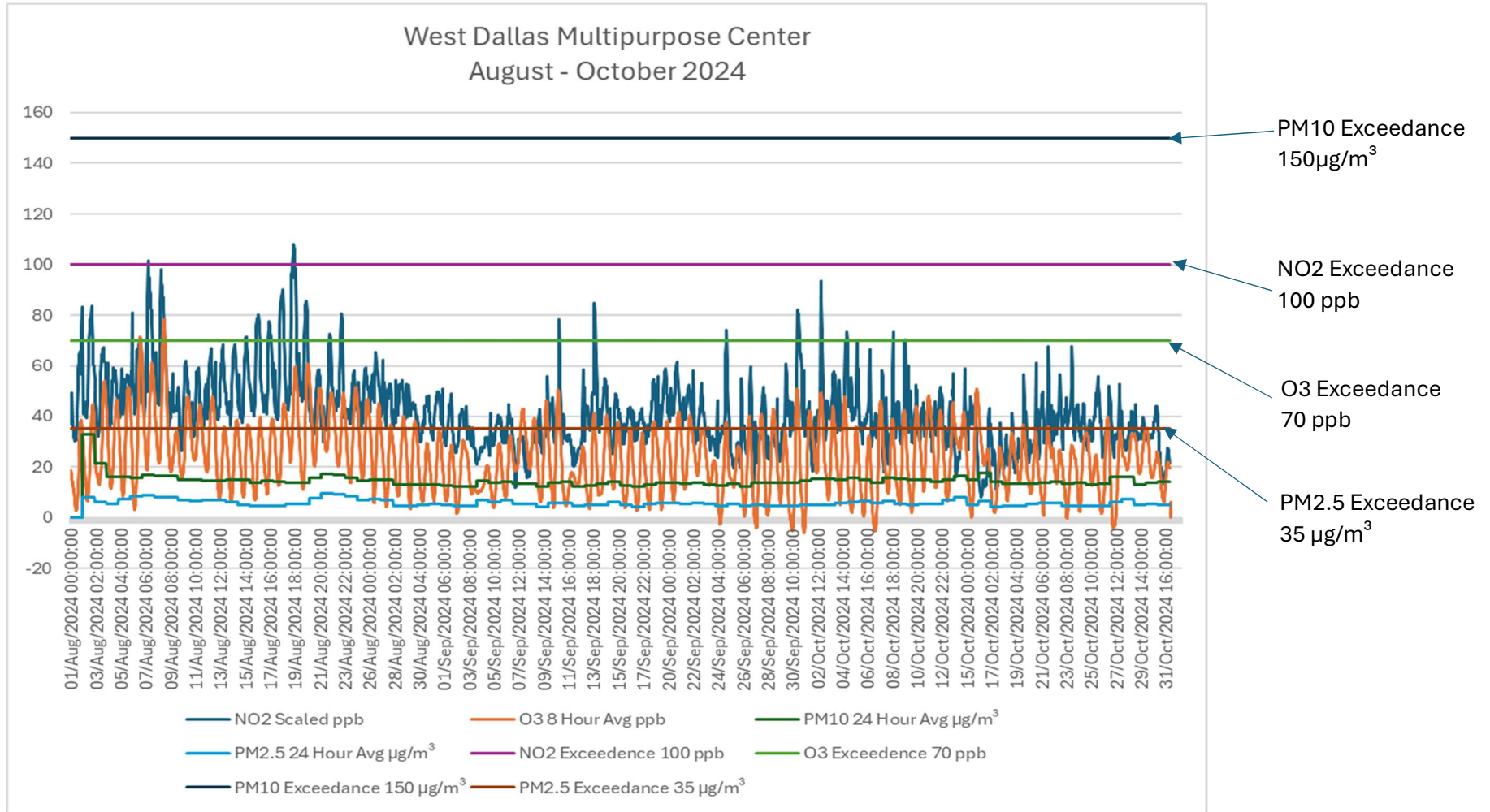
West Dallas Multipurpose Center	NO_2 Hourly Average (ppb)	O_3 8-Hour Average (ppb)	PM_{10} 24-Hour Average (µg/m³)	$PM_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	41.58	23.70	14.53	5.84
Maximum Concentration	108.02	78.47	32.85	9.68

Flagpole Hill Park

Flagpole Hill Park
August - October 2024

PM10 Exceedance 150µg/m³

NO2 Exceedance 100 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 µg/m³

Legend:
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 µg/m³
- PM2.5 Exceedance 35 µg/m³
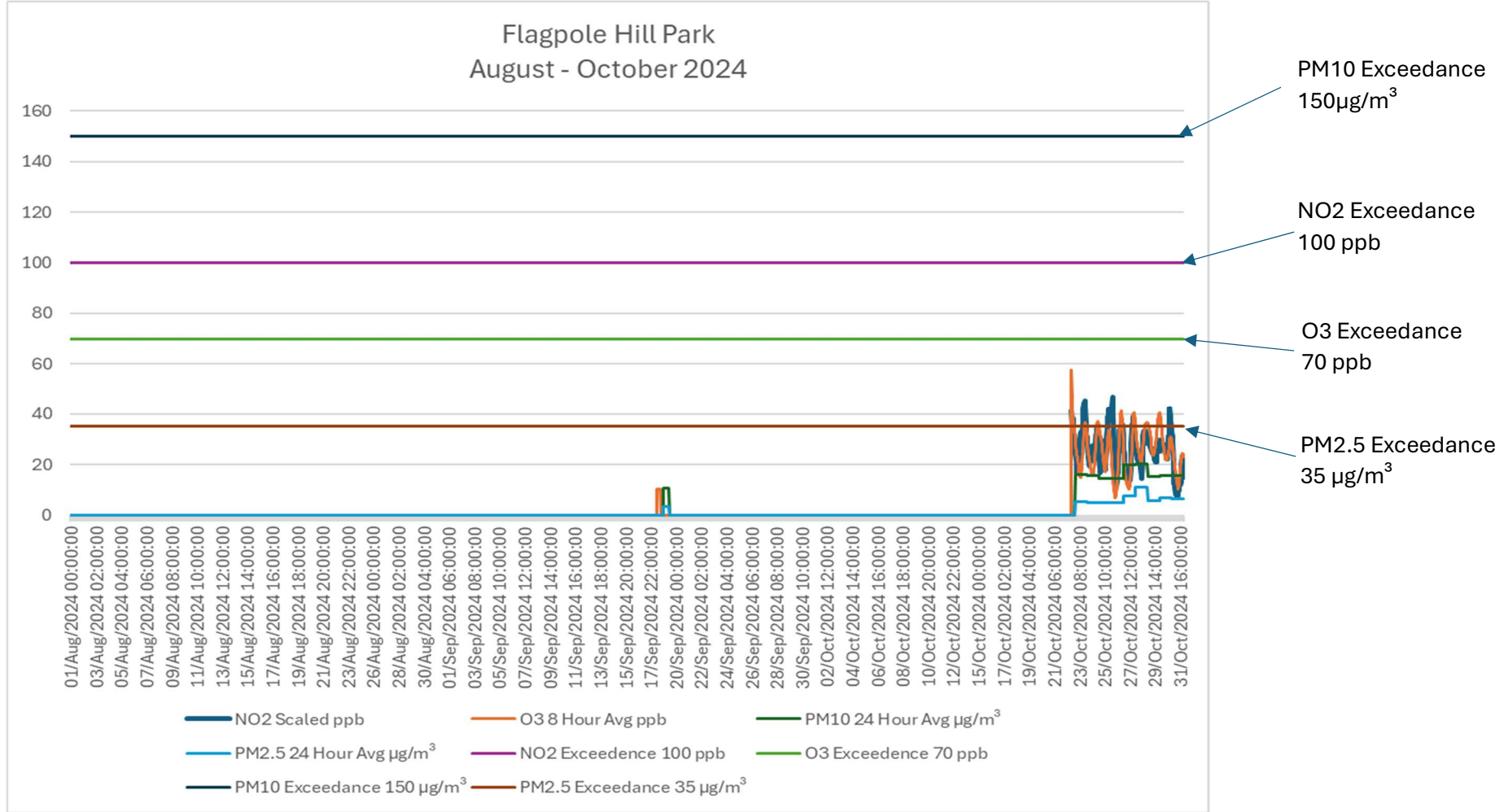
Flagpole Hill Park	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m³)	PM$_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	26.05	25.38	16.16	6.32
Maximum Concentration	46.94	57.47	20.20	11.31

Polk Recreation Center

Polk Recreation Center
August - October 2024

PM10 Exceedance
150µg/m³

NO2 Exceedance
100 ppb

O3 Exceedance
70 ppb

PM2.5 Exceedance
35 µg/m³

Legend: NO2 Scaled ppb — O3 8 Hour Avg ppb — PM10 24 Hour Avg µg/m³ — PM2.5 24 Hour Avg µg/m³ — NO2 Exceedence 100 ppb — O3 Exceedence 70 ppb — PM10 Exceedance 150 µg/m³ — PM2.5 Exceedence 35 µg/m³

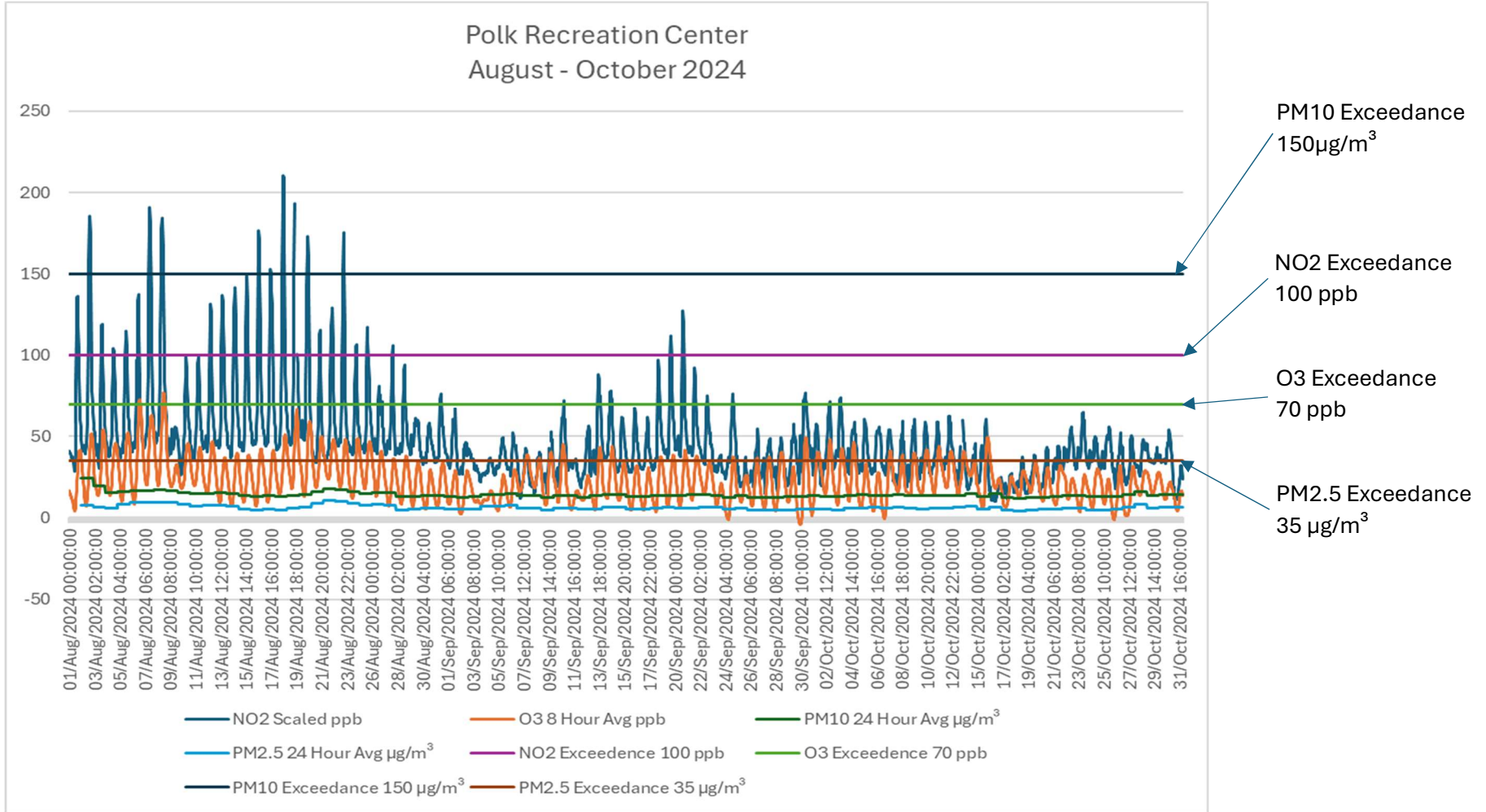| Polk Recreation Center	NO₂ Hourly Average (ppb)	O₃ 8-Hour Average (ppb)	PM₁₀ 24-Hour Average (µg/m³)	PM₂.₅ 24-Hour Average (µg/m³)
Average Concentration	46.57	23.16	14.11	6.28
Maximum Concentration	210.31	76.83	24.14	10.62

Joppy Momma's Farm

Joppy Momma's Farm
August - October 2024

PM10 Exceedance 150µg/m³
NO2 Exceedance 100 ppb
SO2 Exceedance 75 ppb
O3 Exceedance 70 ppb
PM2.5 Exceedance 35 µg/m³

Legend:
- NO2 Scaled ppb
- SO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 µg/m³
- PM2.5 Exceedance 35 µg/m³
- SO2 Exceedance 75 ppb
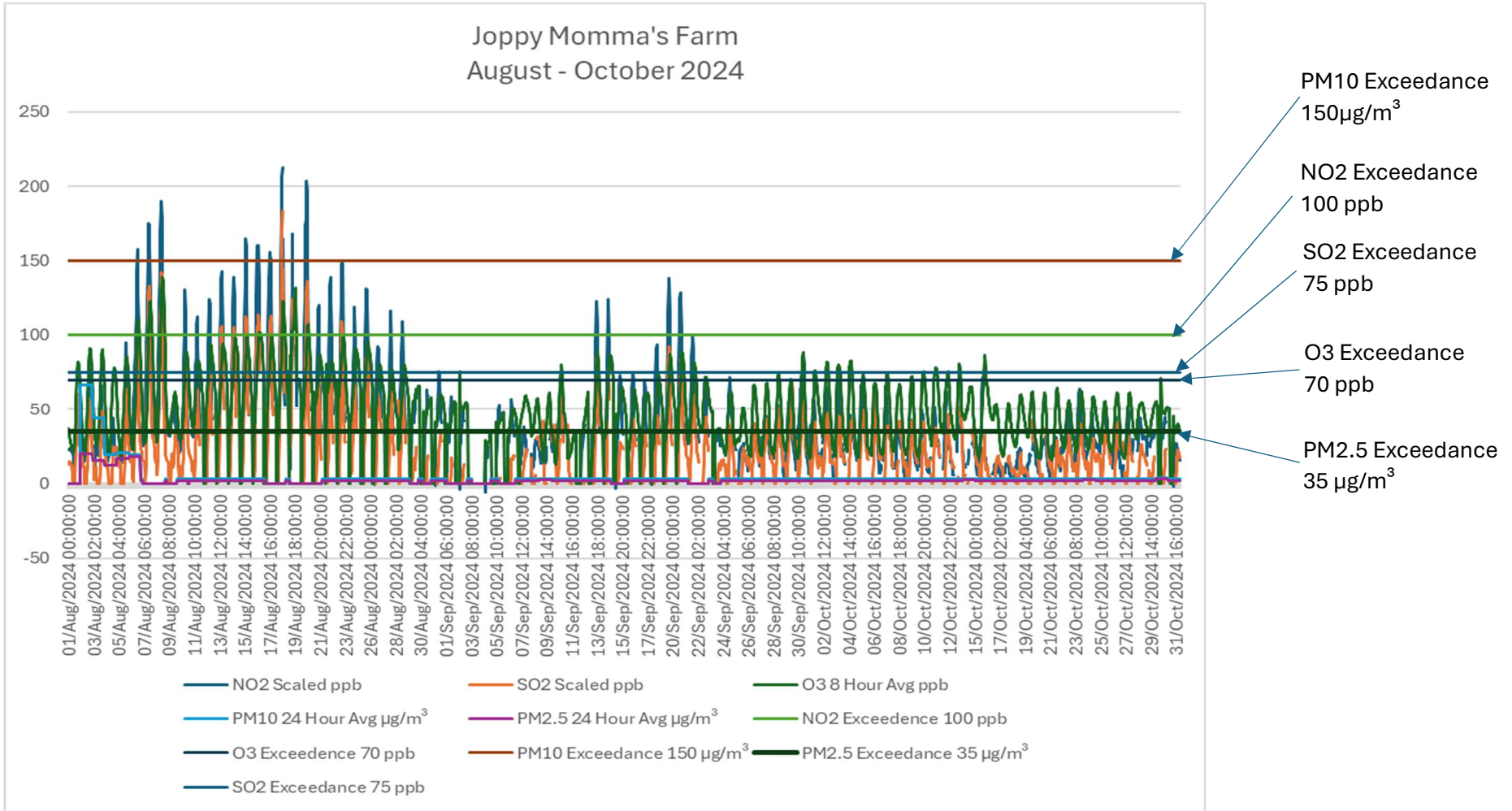
Joppy Momma's Farm	NO_2 Hourly Average (ppb)	O_3 8-Hour Average (ppb)	SO_2 Hourly Average (ppb)	PM_{10} 24-Hour Average (µg/m³)	$PM_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	40.96	51.25	23.75	5.21	3.14
Maximum Concentration	212.69	139.17	183.39	66.59	19.68

Samual-Garland Park

Samuell-Garland Park
August - October 2024

PM10 Exceedance 150µg/m³

NO2 Exceedance 100 ppb

SO2 Exceedance 75 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 µg/m³

Legend:
- NO2 Scaled ppb
- SO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 µg/m³
- PM2.5 Exceedance 35 µg/m³
- SO2 Exceedance 75 ppb
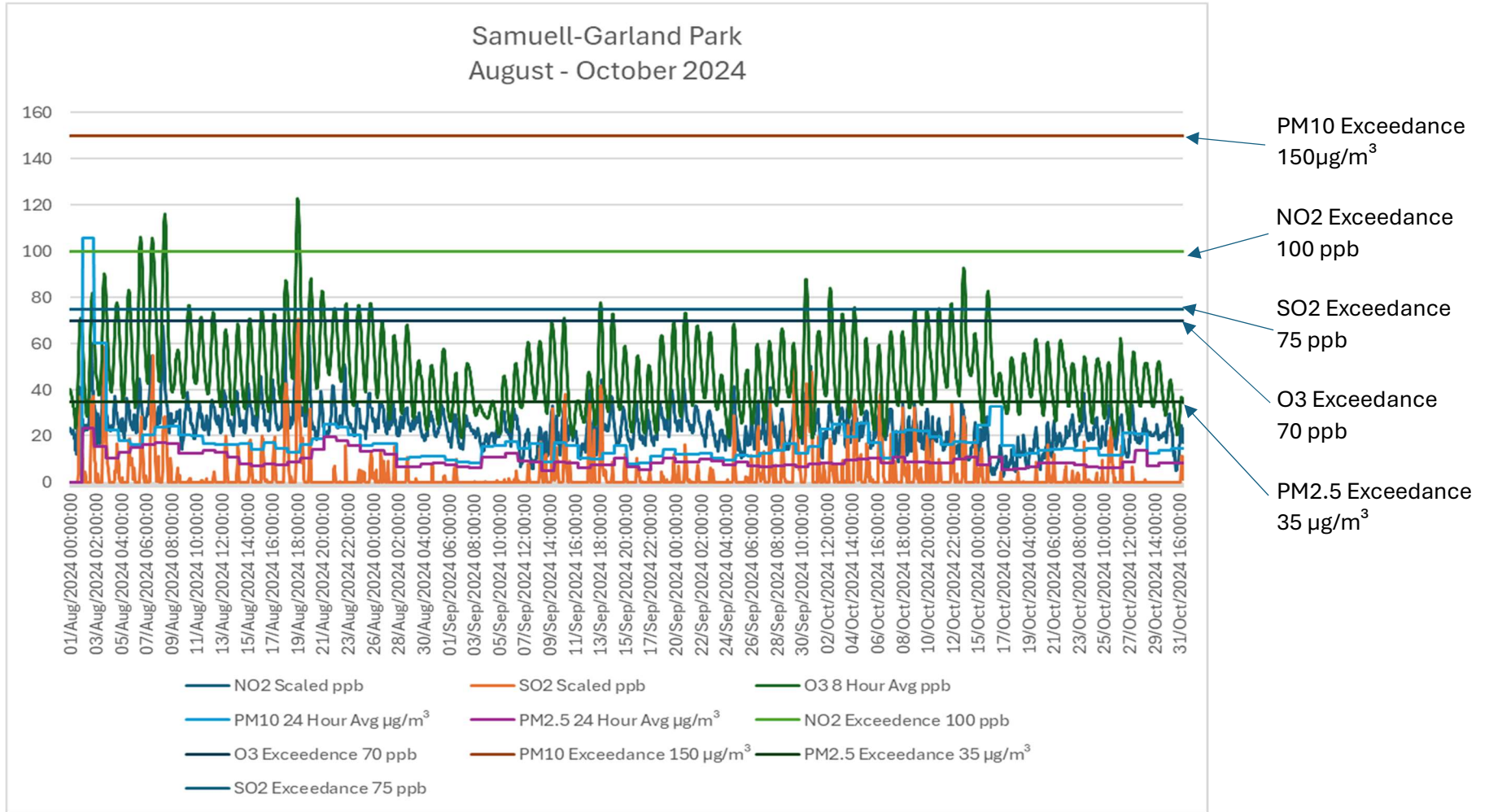
Samual-Garland Park	NO$_2$ Hourly Average (ppb)	O$_3$ 8 Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24 Hour Average (µg/m³)	PM$_{2.5}$ 24 Hour Average (µg/m³)
Average Concentration	20.59	44.06	1.31	20.16	12.16
Maximum Hourly Reading	53.73	95.36	58.02	44.80	33.06

Dallas Zoo

Dallas Zoo
August - October 2024

PM10 Exceedance 150µg/m³

NO2 Exceedance 100 ppb

SO2 Exceedance 75 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 µg/m³

Legend:
- NO2 Scaled ppb
- SO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedence 150 µg/m³
- PM2.5 Exceedence 35 µg/m³
- SO2 Exceedence 75 ppb
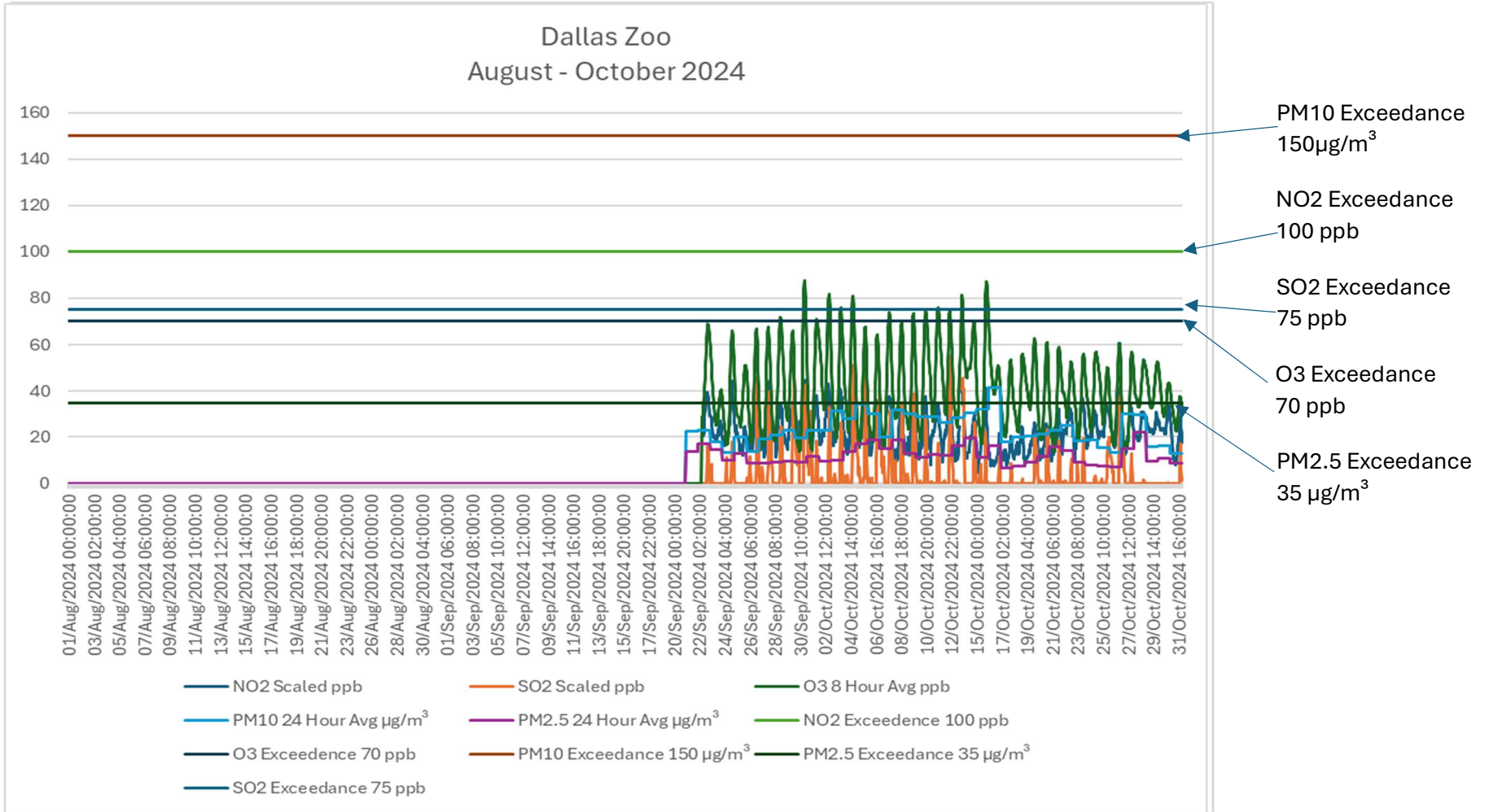
Dallas Zoo	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m³)	PM$_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	22.65	41.30	4.82	23.20	12.10
Maximum Concentration	44.92	87.58	57.14	41.58	21.78

Mountain Creek Library

Mountain Creek Library
August - October 2024

PM10 Exceedance 150µg/m³

NO2 Exceedance 100 ppb

SO2 Exceedance 75 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 µg/m³

Legend: NO2 Scaled ppb; SO2 Scaled ppb; O3 8 Hour Avg ppb; PM10 24 Hour Avg µg/m³; PM2.5 24 Hour Avg µg/m³; NO2 Exceedence 100 ppb; O3 Exceedence 70 ppb; PM10 Exceedance 150 µg/m³; PM2.5 Exceedence 35 µg/m³; SO2 Exceedence 75 ppb
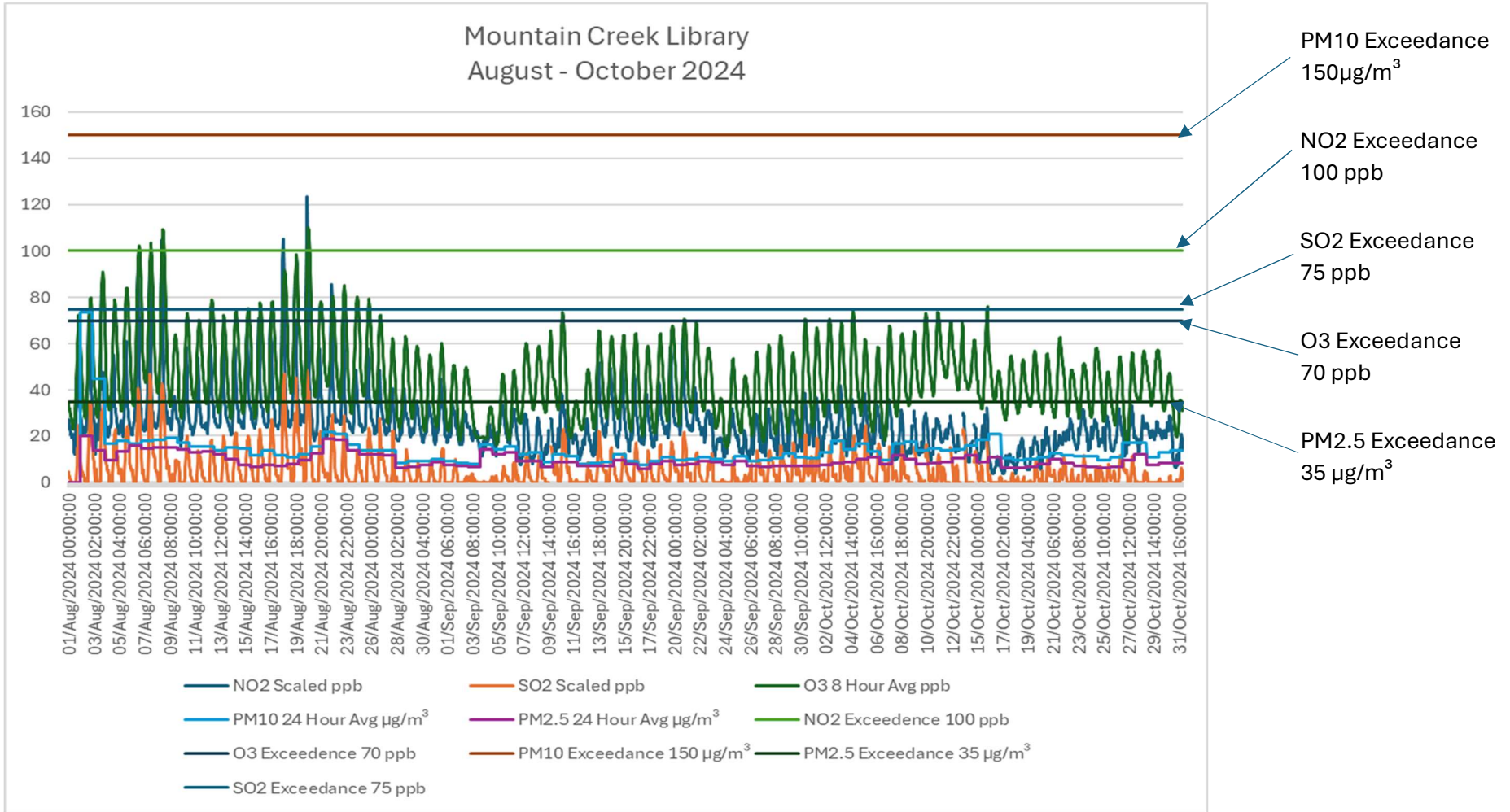
Mountain Creek Library	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m³)	PM$_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	24.98	44.90	5.04	13.76	9.44
Maximum Concentration	123.40	110.15	48.67	73.45	19.86

Myers Prosperity Park

Myers Prosperity Park
August - October 2024

PM10 Exceedance 150μg/m³

NO2 Exceedance 100 ppb

SO2 Exceedance 75 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 μg/m³

Legend:
- NO2 Scaled ppb
- SO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg μg/m³
- PM2.5 24 Hour Avg μg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 μg/m³
- PM2.5 Exceedence 35 μg/m³
- SO2 Exceedence 75 ppb
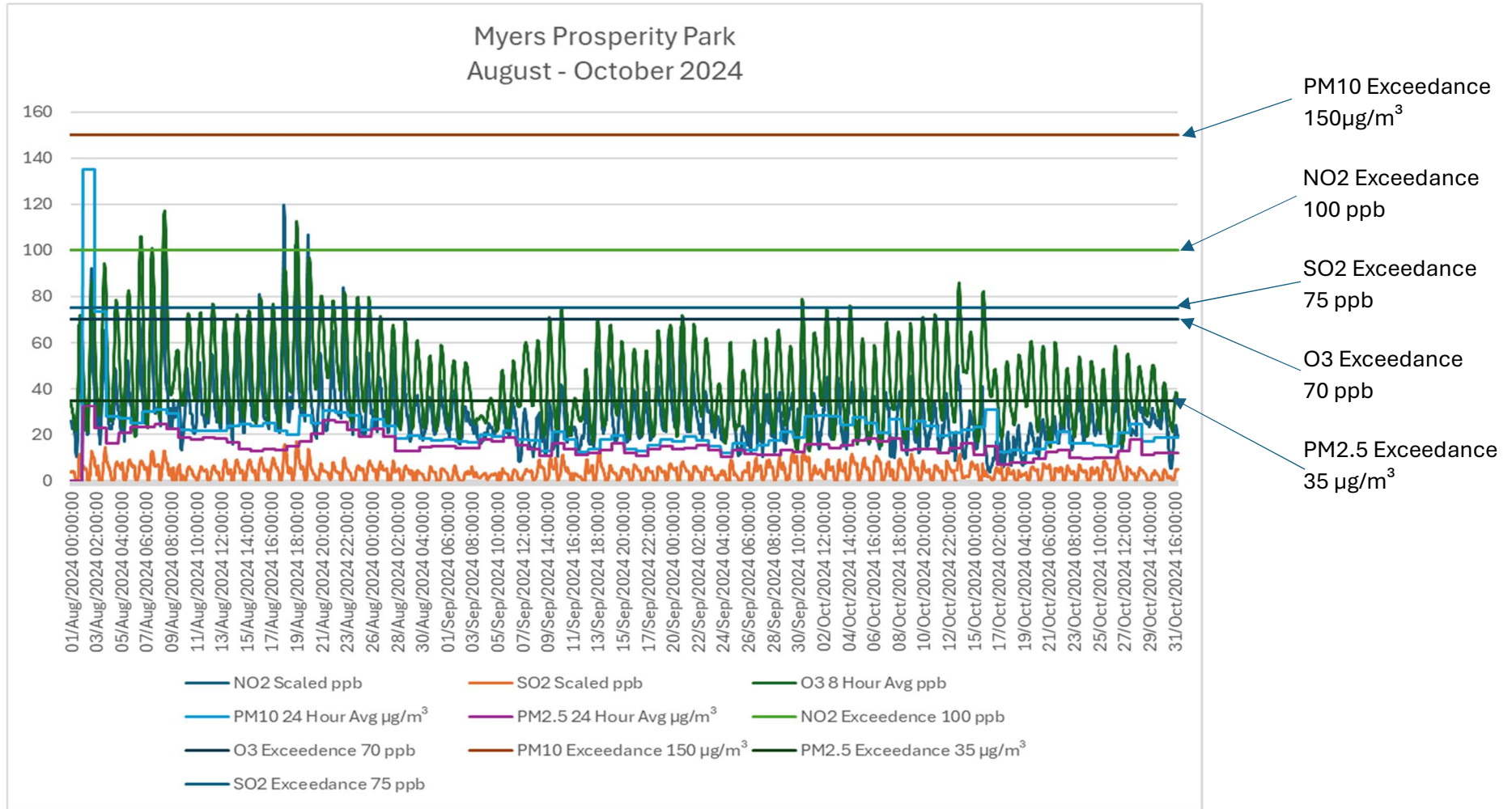
Myers Prosperity Park	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m³)	PM$_{2.5}$ 24-Hour Average (μg/m³)
Average Concentration	28.25	43.29	3.80	22.33	15.13
Maximum Concentration	119.67	117.05	16.92	135.25	32.52

Fish Trap Lake Park

Fish Trap Lake Park
August - October 2024

PM10 Exceedance 150µg/m³

NO2 Exceedance 100 ppb

SO2 Exceedance 75 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 µg/m³

Legend:
- NO2 Scaled ppb
- SO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 µg/m³
- PM2.5 Exceedance 35 µg/m³
- SO2 Exceedance 75 ppb

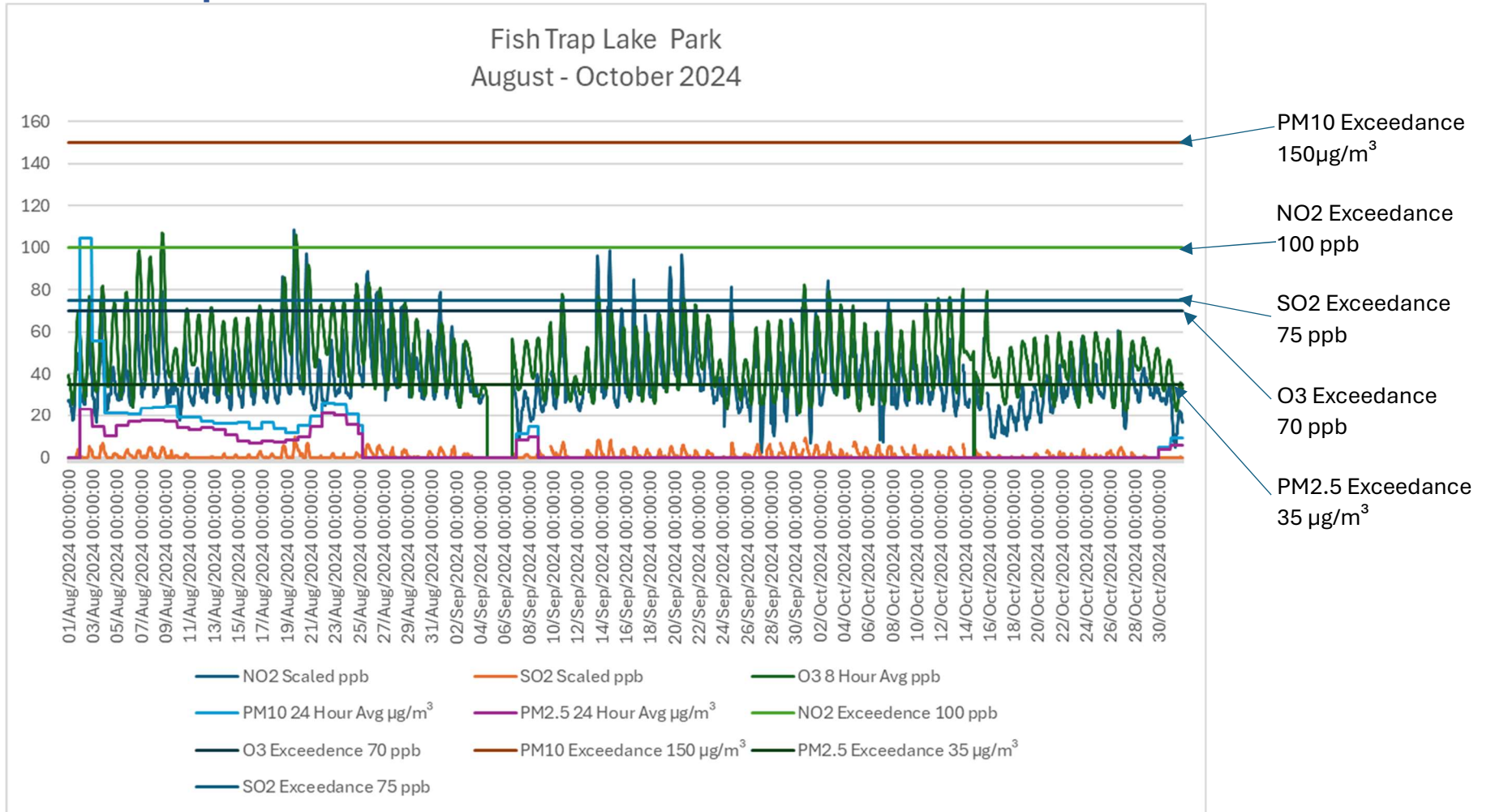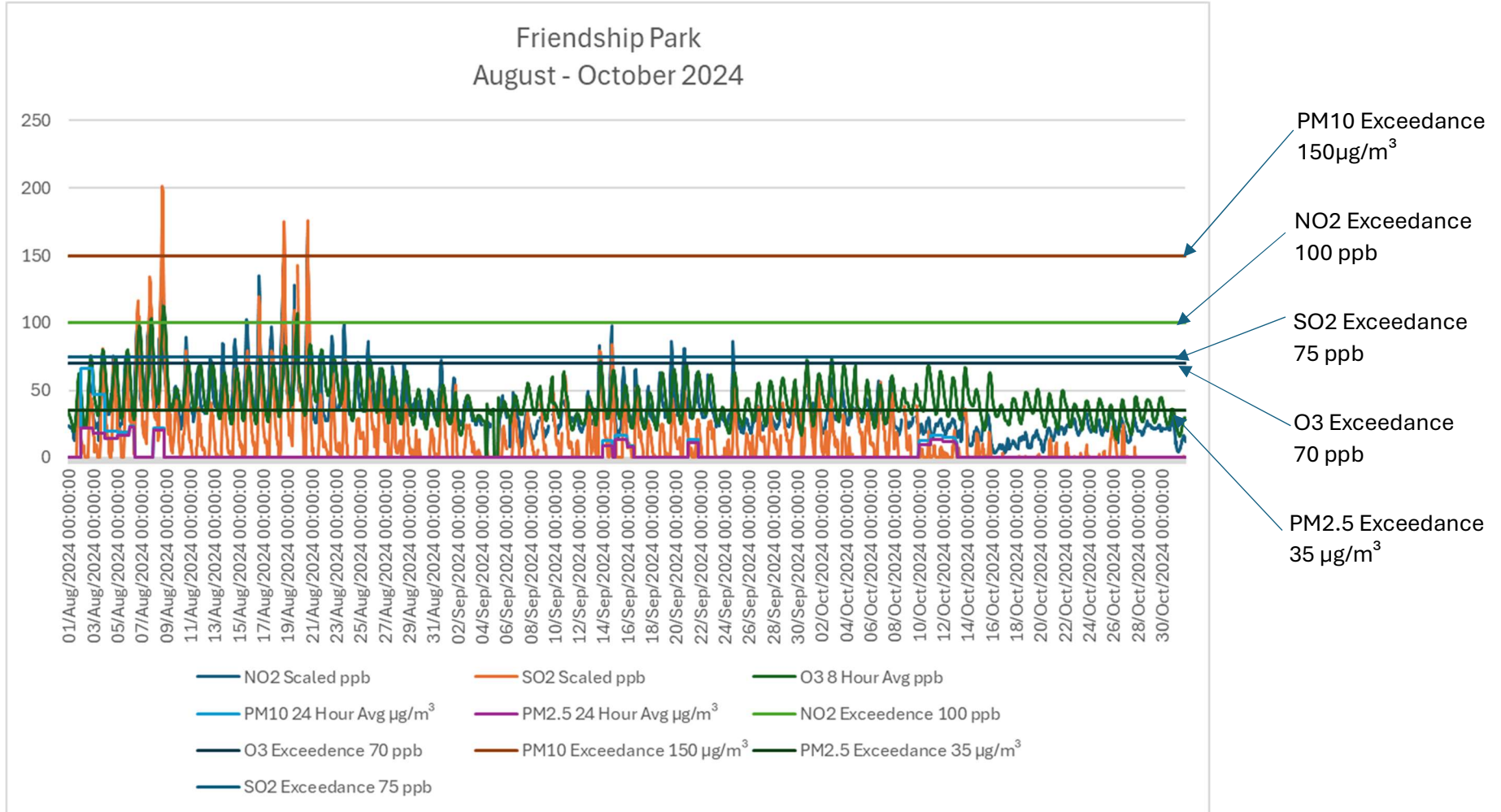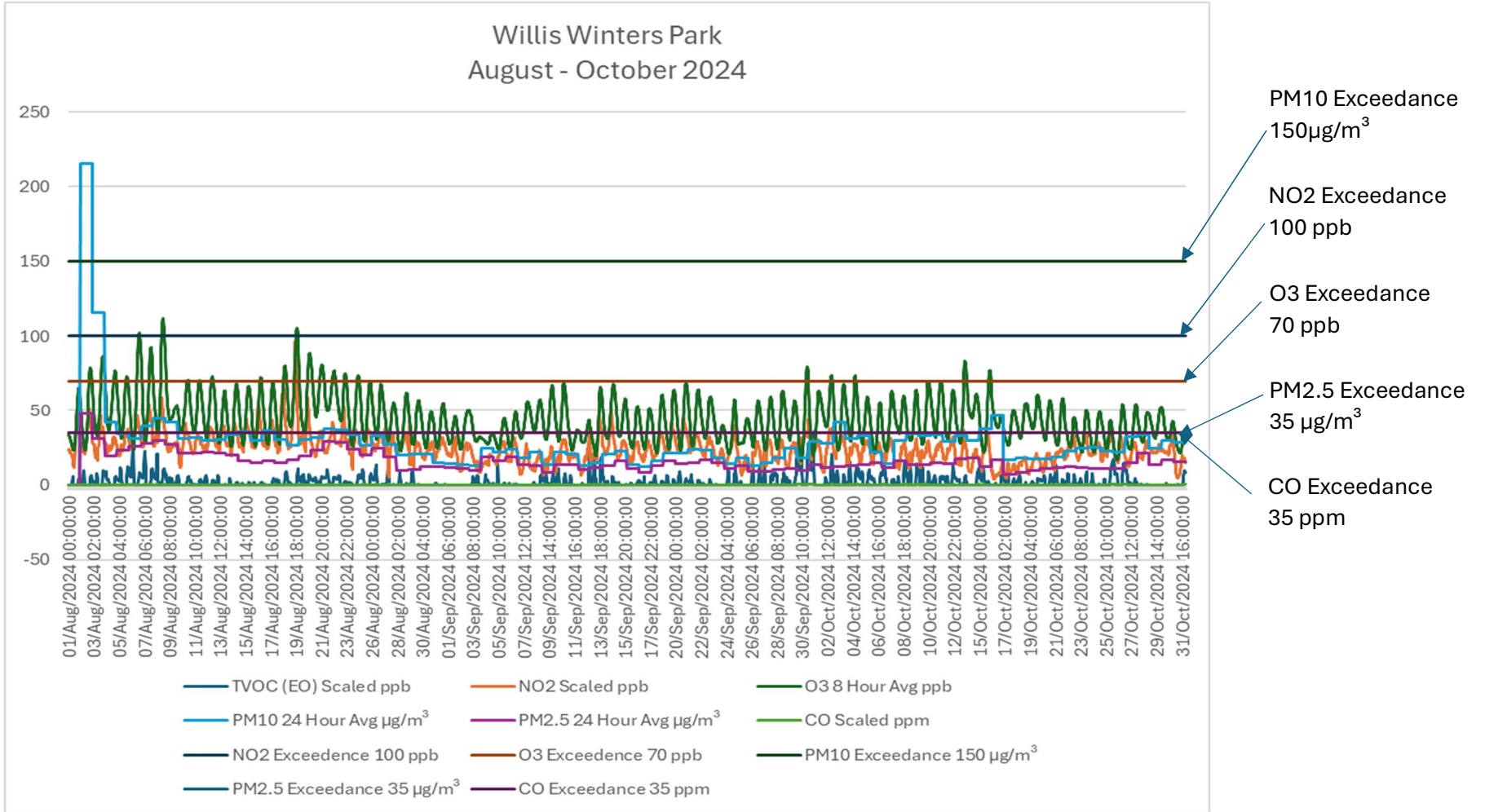| Fish Trap Lake Park	NO₂ Hourly Average (ppb)	O₃ 8-Hour Average (ppb)	SO₂ Hourly Average (ppb)	PM₁₀ 24-Hour Average (µg/m³)	PM₂.₅ 24-Hour Average (µg/m³)
Average Concentration	37.83	48.02	1.11	12.33	7.67
Maximum Concentration	108.49	107.06	10.00	104.43	23.10

Friendship Park

Friendship Park
August - October 2024

Legend:
- NO2 Scaled ppb
- SO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 µg/m³
- PM2.5 Exceedance 35 µg/m³
- SO2 Exceedence 75 ppb

Annotations:
- PM10 Exceedance 150µg/m³
- NO2 Exceedance 100 ppb
- SO2 Exceedance 75 ppb
- O3 Exceedance 70 ppb
- PM2.5 Exceedance 35 µg/m³

Friendship Park	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m³)	PM$_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	34.91	42.68	15.50	22.89	14.30
Maximum Concentration	169.50	112.70	201.63	66.39	22.18

Willis Winters Park

Willis Winters Park
August - October 2024

PM10 Exceedance
150μg/m^3

NO2 Exceedance
100 ppb

O3 Exceedance
70 ppb

PM2.5 Exceedance
35 μg/m^3

CO Exceedance
35 ppm

Legend:
- TVOC (EO) Scaled ppb
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg μg/m^3
- PM2.5 24 Hour Avg μg/m^3
- CO Scaled ppm
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 μg/m^3
- PM2.5 Exceedance 35 μg/m^3
- CO Exceedance 35 ppm

Willis Winters Park	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m³)	PM$_{2.5}$ 24-Hour Average (μg/m³)
Average Concentration	24.37	44.43	0.19	2.33	28.82	15.93
Maximum Concentration	96.20	111.86	0.89	35.37	215.67	48.14

Tommie Allen Recreation Center
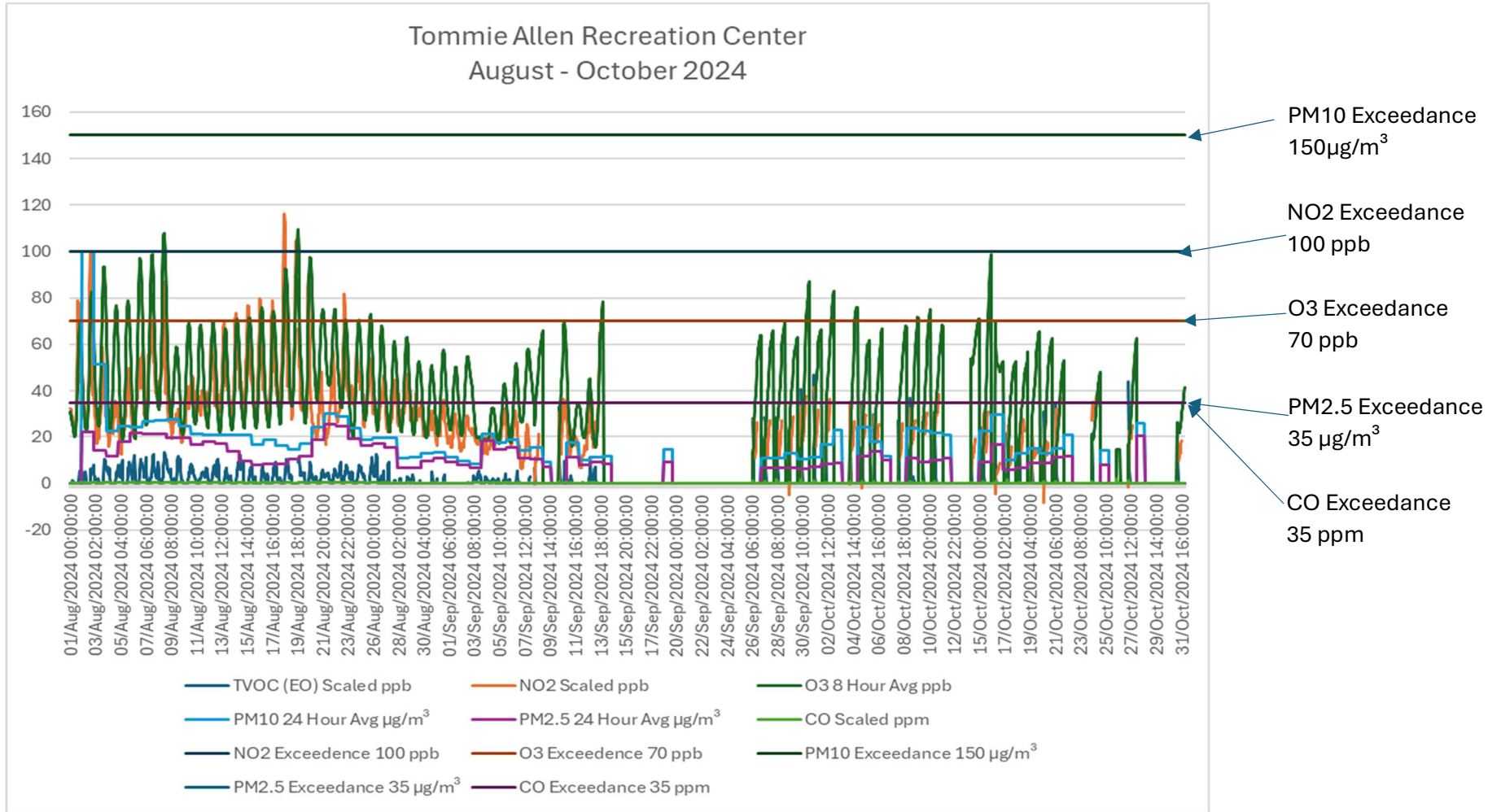
Tommie Allen Recreation Center
August - October 2024

PM10 Exceedance 150µg/m³

NO2 Exceedance 100 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 µg/m³

CO Exceedance 35 ppm

Legend:
- TVOC (EO) Scaled ppb
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- CO Scaled ppm
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 µg/m³
- PM2.5 Exceedance 35 µg/m³
- CO Exceedance 35 ppm

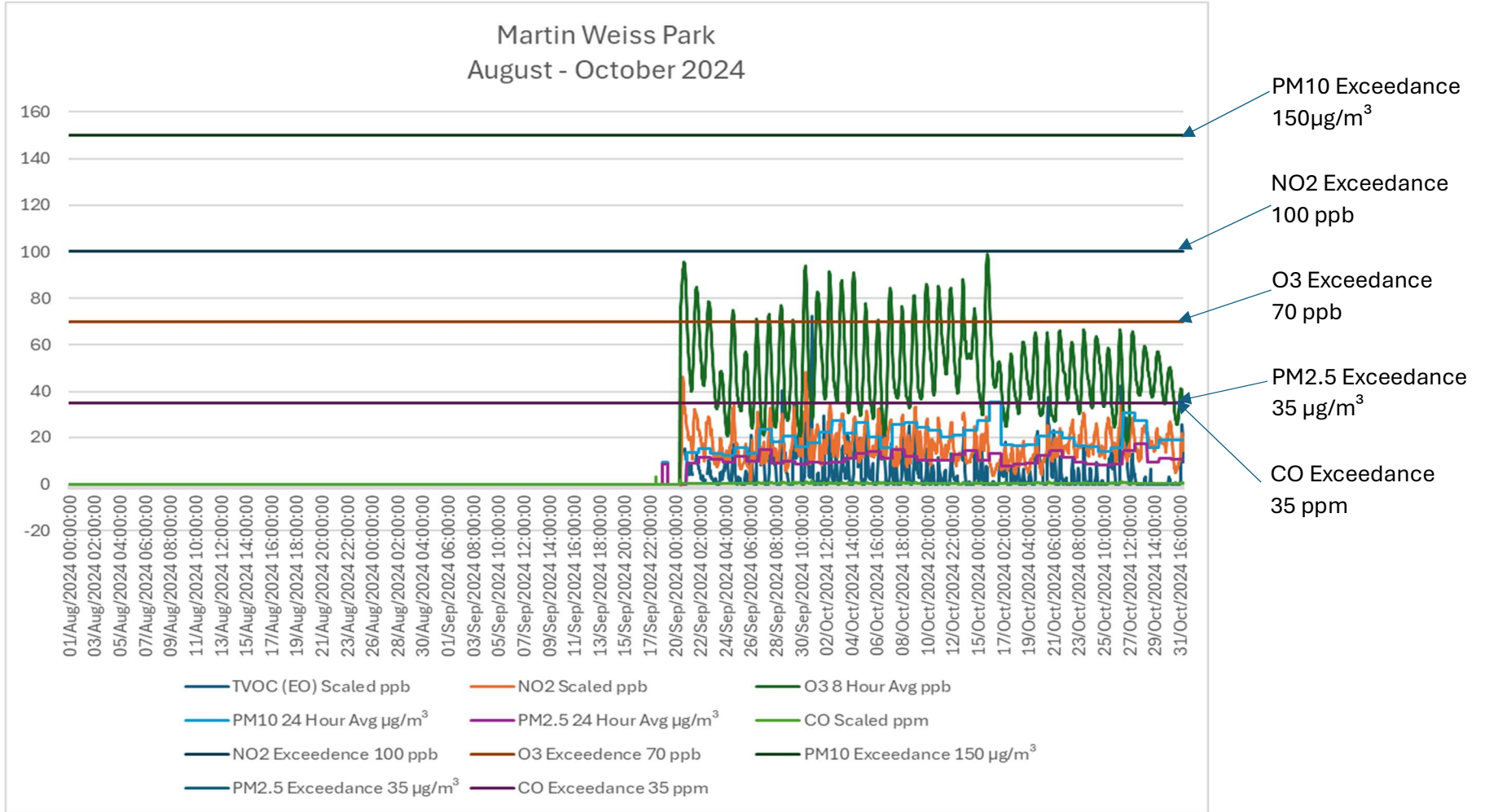| Tommie Allen Recreation Center	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m³)	PM$_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	30.92	44.66	0.23	2.62	19.68	12.40
Maximum Concentration	116.33	109.36	2.08	46.72	99.76	25.22

Fretz Park

Fretz Park
August - October 2024

PM10 Exceedance
150µg/m³

NO2 Exceedance
100 ppb

O3 Exceedance
70 ppb

PM2.5 Exceedance
35 µg/m³

CO Exceedance
35 ppm

Legend:
- TVOC (EO) Scaled ppb
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- CO Scaled ppm
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedence 150 µg/m³
- PM2.5 Exceedence 35 µg/m³
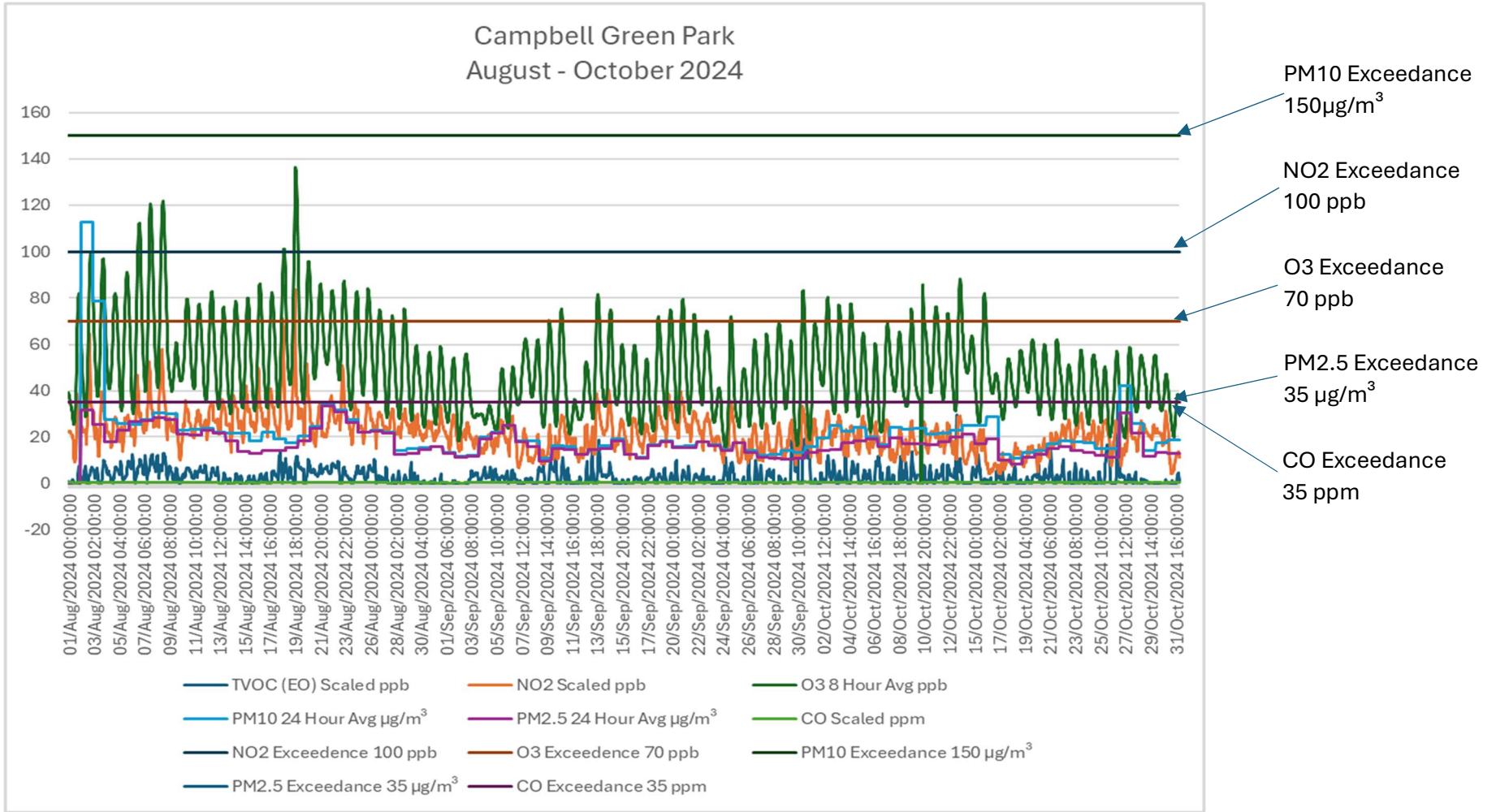- CO Exceedence 35 ppm

Fretz Park	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m³)	PM$_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	29.17	42.07	0.22	1.34	21.99	17.21
Maximum Concentration	121.51	108.05	0.77	26.18	121.36	54.11

Martin Weiss Park

Martin Weiss Park
August - October 2024

PM10 Exceedance 150µg/m³

NO2 Exceedance 100 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 µg/m³

CO Exceedance 35 ppm

Legend:
- TVOC (EO) Scaled ppb
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg µg/m³
- PM2.5 24 Hour Avg µg/m³
- CO Scaled ppm
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedence 150 µg/m³
- PM2.5 Exceedence 35 µg/m³
- CO Exceedence 35 ppm

Martin Weiss Park	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m³)	PM$_{2.5}$ 24-Hour Average (µg/m³)
Average Concentration	16.65	50.01	0.30	5.72	19.99	10.89
Maximum Concentration	48.41	98.90	2.98	72.59	35.52	17.38

Campbell Green Park

Campbell Green Park
August - October 2024

PM10 Exceedance
150μg/m³

NO2 Exceedance
100 ppb

O3 Exceedance
70 ppb

PM2.5 Exceedance
35 μg/m³

CO Exceedance
35 ppm

Legend:
- TVOC (EO) Scaled ppb
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg μg/m³
- PM2.5 24 Hour Avg μg/m³
- CO Scaled ppm
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedence 150 μg/m³
- PM2.5 Exceedence 35 μg/m³
- CO Exceedence 35 ppm

Campbell Green Park	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m³)	PM$_{2.5}$ 24-Hour Average (μg/m³)
Average Concentration	21.69	49.09	0.21	2.88	21.11	17.14
Maximum Concentration	83.50	136.32	0.87	34.62	112.84	33.35

Park Forest Library

Park Forest Library
August - October 2024

PM10 Exceedance 150μg/m³

NO2 Exceedance 100 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 μg/m³

CO Exceedance 35 ppm

Legend:
— TVOC (EO) Scaled ppb   — NO2 Scaled ppb   — O3 8 Hour Avg ppb
— PM10 24 Hour Avg μg/m³   — PM2.5 24 Hour Avg μg/m³   — CO Scaled ppm
— NO2 Exceedence 100 ppb   — O3 Exceedence 70 ppb   — PM10 Exceedance 150 μg/m³
— PM2.5 Exceedance 35 μg/m³   — CO Exceedance 35 ppm

Park Forest Library	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m³)	PM$_{2.5}$ 24-Hour Average (μg/m³)
Average Concentration	45.94	46.99	0.15	0.98	13.44	8.30
Maximum Concentration	182.63	109.44	1.68	25.76	17.10	10.70

Moneygram Park

Moneygram Park
August - October 2024

PM10 Exceedance 150μg/m³

NO2 Exceedance 100 ppb

O3 Exceedance 70 ppb

PM2.5 Exceedance 35 μg/m³

CO Exceedance 35 ppm

Legend:
- TVOC (EO) Scaled ppb
- NO2 Scaled ppb
- O3 8 Hour Avg ppb
- PM10 24 Hour Avg μg/m³
- PM2.5 24 Hour Avg μg/m³
- CO Scaled ppm
- NO2 Exceedence 100 ppb
- O3 Exceedence 70 ppb
- PM10 Exceedance 150 μg/m³
- PM2.5 Exceedance 35 μg/m³
- CO Exceedance 35 ppm

Moneygram Park	NO₂ Hourly Average (ppb)	O₃ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM₁₀ 24-Hour Average (μg/m³)	PM₂.₅ 24-Hour Average (μg/m³)
Average Concentration	50.60	19.51	0.22	0.86	17.69	6.80
Maximum Concentration	205.29	63.90	0.89	30.24	26.76	8.90

Summary   August – October 2024

Note: Numbers in RED denote exceedances

Larry Johnson Recreation Center

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	PM$_{10}$ 24-Hour Average ($\mu g/m^3$)	PM$_{2.5}$ 24-Hour Average ($\mu g/m^3$)
Capture Percent	100.0%	100.0%	100.0%	100.0%
Exceedances	27	None	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	29 Hours	29 Hours
Invalid Data	None	None	None	None
Missing Data	None	None	20 Hours	20 Hours
Extreme Environment	None	None	None	None

South Central Park

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	PM$_{10}$ 24-Hour Average ($\mu g/m^3$)	PM$_{2.5}$ 24-Hour Average ($\mu g/m^3$)
Capture Percent	100.0%	100.0%	100.0%	100.0%
Exceedances	4	None	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	None	None
Invalid Data	None	None	None	None
Missing Data	None	None	18 Hours	18 Hours
Extreme Environment	None	None	None	None

Floral Farms: South Central Expressway

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	PM$_{10}$ 24-Hour Average ($\mu g/m^3$)	PM$_{2.5}$ 24-Hour Average ($\mu g/m^3$)
Capture Percent	44.7%	45.5%	45.0%	45.0%
Exceedances	3	None	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	91 Hours	91 Hours
Invalid Data	None	118 Hours	None	None
Missing Data	1220 Hours	1204 Hours	1230 Hours	1230 Hours
Extreme Environment	9 Hours	9 Hours	None	None

Floral Farms: Simpson Stuart Rd

Data Summary	NO₂ Hourly Average (ppb)	O₃ 8-Hour Average (ppb)	PM₁₀ 24-Hour Average (µg/m³)	PM₂.₅ 24-Hour Average (µg/m³)
Capture Percent	99.9%	99.7%	97.8%	97.8%
Exceedances	41	None	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	806 Hours	806 Hours
Invalid Data	None	None	None	None
Missing Data	2 Hours	7 Hours	970 Hours	970 Hours
Extreme Environment	2 Hours	2 Hours	None	None

West Dallas Multipurpose Center

Data Summary	NO₂ Hourly Average (ppb)	O₃ 8-Hour Average (ppb)	PM₁₀ 24-Hour Average (µg/m³)	PM₂.₅ 24-Hour Average (µg/m³)
Capture Percent	99.9%	100.0%	100.0%	100.0%
Exceedances	5	6	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	70 Hours	70 Hours
Invalid Data	None	30 Hours	None	None
Missing Data	3 Hours	None	271 Hours	271 Hours
Extreme Environment	3 Hours	3 Hours	None	None

Flagpole Hill Park

Data Summary	NO₂ Hourly Average (ppb)	O₃ 8-Hour Average (ppb)	PM₁₀ 24-Hour Average (µg/m³)	PM₂.₅ 24-Hour Average (µg/m³)
Capture Percent	10.1%	10.5%	10.4%	10.4%
Exceedances	None	None	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	9 Hours	9 Hours
Invalid Data	None	None	None	None
Missing Data	1984 Hours	1977 Hours	1986 Hours	1986 Hours
Extreme Environment	None	None	None	None

Polk Recreation Center

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	PM$_{10}$ 24-Hour Average ($\mu g/m^3$)	PM$_{2.5}$ 24-Hour Average ($\mu g/m^3$)
Capture Percent	99.5%	100.0%	100.0%	100.0%
Exceedances	116	7	None	None
Outliers	None	None	None	None
Deliquescence	N/A	N/A	3 Hours	3 Hours
Invalid Data	None	8 Hours	None	None
Missing Data	12 Hours	None	292 Hours	292 Hours
Extreme Environment	12 Hours	12 Hours	None	None

Joppy Momma's Farm

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average ($\mu g/m^3$)	PM$_{2.5}$ 24-Hour Average ($\mu g/m^3$)
Capture Percent	73.9%	92.2%	75.3%	82.0%	82.0%
Exceedances	114	397	82	None	None
Outliers	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	11 Hours	11 Hours
Invalid Data	None	None	None	None	None
Missing Data	576 Hours	173 Hours	546 Hours	1717 Hours	1717 Hours
Extreme Environment	38 Hours	38 Hours	38 Hours	None	None

Samual Garland Park

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average ($\mu g/m^3$)	PM$_{2.5}$ 24-Hour Average ($\mu g/m^3$)
Capture Percent	100.0%	100.0%	100.0%	100.0%	100.0%
Exceedances	None	225	None	None	None
Outliers	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	82 Hours	82 Hours
Invalid Data	None	None	None	None	None
Missing Data	None	None	None	36 Hours	36 Hours
Extreme Environment	None	None	None	None	None

Dallas Zoo

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average ($\mu g/m^3$)	PM$_{2.5}$ 24-Hour Average ($\mu g/m^3$)
Capture Percent	43.0%	43.2%	43.0%	45.0%	45.0%
Exceedances	None	54	None	None	None
Outliers	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	42 Hours	42 Hours
Invalid Data	None	None	None	None	None
Missing Data	1258 Hours	1255 Hours	1258 Hours	1218 Hours	1218 Hours
Extreme Environment	3 Hours	3 Hours	3 Hours	None	None

Mountain Creek Library

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m^3)	PM$_{2.5}$ 24-Hour Average (μg/m^3)
Capture Percent	99.0%	100.0%	99.0%	100.0%	100.0%
Exceedances	5	175	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	None	None
Missing Data	22 Hours	None	22 Hours	11 Hours	11 Hours
Extreme Environment	22 Hours	22 Hours	22 Hours	None	None

Myers Prosperity Park

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m^3)	PM$_{2.5}$ 24-Hour Average (μg/m^3)
Capture Percent	100.0%	100.0%	100.0%	100.0%	100.0%
Exceedances	8	187	None	None	None
Outliers	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	37 Hours	37 Hours
Invalid Data	None	None	None	None	None
Missing Data	1 Hours	None	1 Hours	23 Hours	23 Hours
Extreme Environment	1 Hours	1 Hours	1 Hours	None	None

Fish Trap Lake Park

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m^3)	PM$_{2.5}$ 24-Hour Average (μg/m^3)
Capture Percent	95.6%	97.7%	95.7%	29.8%	29.8
Exceedances	2	201	None	None	None
Outliers	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	36 Hours	36 Hours
Invalid Data	None	None	None	None	None
Missing Data	97 Hours	51 Hours	96 Hours	1580 Hours	1580 Hours
Extreme Environment	41 Hours	41 Hours	41 Hours	None	None

Friendship Park

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	SO$_2$ Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m^3)	PM$_{2.5}$ 24-Hour Average (μg/m^3)
Capture Percent	96.6%	99.5%	96.6%	12.9%	12.9%
Exceedances	30	121	63	None	None
Outliers	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	23 Hours	23 Hours
Invalid Data	None	None	None	None	None
Missing Data	76 Hours	11 Hours	76 Hours	2064 Hours	2064 Hours
Extreme Environment	43 Hours	43 Hours	43 Hours	None	None

Willis Winters Park

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m^3)	PM$_{2.5}$ 24-Hour Average (μg/m^3)
Capture Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Exceedances	None	139	None	None	24	24
Outliers	None	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	N/A	31 Hours	31 Hours
Invalid Data	None	None	None	None	None	None
Missing Data	None	None	None	None	25 Hours	25 Hours
Extreme Environment	None	None	None	None	None	None

Tommie Allen Recreation Center

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m^3)	PM$_{2.5}$ 24-Hour Average (μg/m^3)
Capture Percent	56.5%	65.9%	56.9%	56.6%	71.8%	71.8%
Exceedances	5	148	None	None	None	None
Outliers	None	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	N/A	33 Hours	33 Hours
Invalid Data	None	None	None	None	None	None
Missing Data	960 Hours	753 Hours	952 Hours	958 Hours	981 Hours	981 Hours
Extreme Environment	3 Hours	3 Hours	3 Hours	3 Hours	None	None

Fretz Park

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m^3)	PM$_{2.5}$ 24-Hour Average (µg/m^3)
Capture Percent	99.6%	100.0%	99.6%	99.6%	100.0%	100.0%
Exceedances	6	108	None	None	None	240
Outliers	None	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	N/A	8 Hours	8 Hours
Invalid Data	None	None	None	None	None	None
Missing Data	9 Hours	None	9 Hours	9 Hours	3 Hours	3 Hours
Extreme Environment	8 Hours	8 Hours	8 Hours	8 Hours	None	None

Martin Weiss Park

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m^3)	PM$_{2.5}$ 24-Hour Average (µg/m^3)
Capture Percent	45.0%	45.2%	45.0%	44.2%	45.5%	45.5%
Exceedances	None	148	None	None	None	None
Outliers	None	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	N/A	10 Hours	10 Hours
Invalid Data	None	None	None	None	None	None
Missing Data	1215 Hours	1211 Hours	1214 Hours	1233 Hours	1210 Hours	1210 Hours
Extreme Environment	4 Hours	4 Hours	4 Hours	4 Hours	None	None

Campbell Green Park

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (µg/m^3)	PM$_{2.5}$ 24-Hour Average (µg/m^3)
Capture Percent	99.5%	99.9%	99.5%	99.5%	100.0%	100.0%
Exceedances	None	309	None	None	None	None
Outliers	None	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	N/A	14 Hours	14 Hours
Invalid Data	None	None	None	None	None	None
Missing Data	11 Hours	3 Hours	10 Hours	10 Hours	12 Hours	12 Hours
Extreme Environment	1 Hours	1 Hours	1 Hours	1 Hours	None	None

Park Forest Library

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m^3)	PM$_{2.5}$ 24-Hour Average (μg/m^3)
Capture Percent	90.4%	99.0%	90.6%	90.5%	3.9%	3.9%
Exceedances	88	153	None	None	None	None
Outliers	None	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	N/A	None	None
Invalid Data	None	None	None	None	None	None
Missing Data	211 Hours	21 Hours	208 Hours	209 Hours	2124 Hours	2124 Hours
Extreme Environment	189 Hours	189 Hours	189 Hours	189 Hours	None	None

Moneygram Park

Data Summary	NO$_2$ Hourly Average (ppb)	O$_3$ 8-Hour Average (ppb)	CO Hourly Average (ppm)	TVOC Hourly Average (ppb)	PM$_{10}$ 24-Hour Average (μg/m^3)	PM$_{2.5}$ 24-Hour Average (μg/m^3)
Capture Percent	93.1%	99.3%	93.5%	93.5%	4.9%	4.9%
Exceedances	147	None	None	None	None	None
Outliers	None	None	None	None	None	None
Deliquescence	N/A	N/A	N/A	N/A	13 Hours	13 Hours
Invalid Data	None	None	None	None	None	None
Missing Data	153 Hours	16 Hours	144 Hours	144 Hours	2125 Hours	2125 Hours
Extreme Environment	100 Hours	100 Hours	100 Hours	100 Hours	None	None