

**FINAL**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Region VI**



**Air Monitoring Summary**

**Camp Minden Area I**

**Start Time: 10-30-2016 1800 - End Time: 10-31-2016 1800**

October 31, 2016 – EPA monitored for seven ambient air pollutants over a 24 hour period at the Camp Minden Area I air monitoring location. The seven pollutants included carbon monoxide, carbon dioxide, nitrogen oxide, nitrogen dioxide, nitrogen oxides, sulfur dioxide, and fine particulates. Over the 24 hour period, each of these pollutants were detected below EPA’s National Ambient Air Quality Standards or the action benchmark when an air quality standard had not been previously established.

Below is a summary of Camp Minden Air Monitoring Data collected at the location referenced above. The table contains a detailed listing of the following:

- 1 Average reading of each analyte from October 30, 2016 1800 through October 31, 2016, 2016 1800
- 2 Highest measurement of each analyte from October 30, 2016 1800 through October 31, 2016 1800

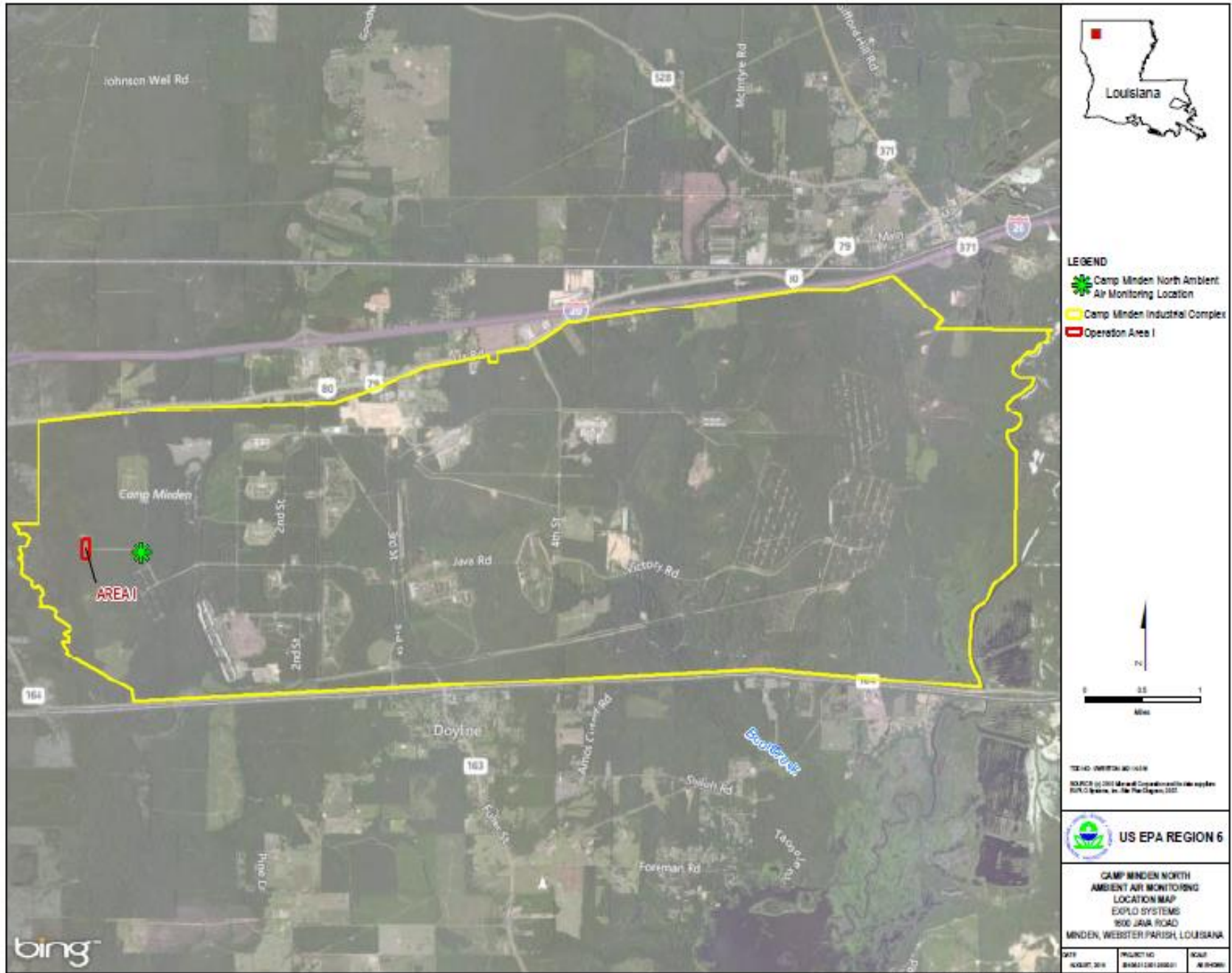
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO<sub>2</sub>, SO<sub>2</sub>, and PM<sub>2.5</sub>) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

\*\* The monitoring database has been validated for calendar day 10/31/16 (through 00:00 11/01/16 CST). All analyzers were operating normally except CO<sub>2</sub>. CO<sub>2</sub> purge gas was restored after 1226 CDT. Data prior to restoration was invalidated. The trailer logger was reset at 0701 CDT to clear Modbus communications. Weather station was reset at 0737 CDT to restore communications.

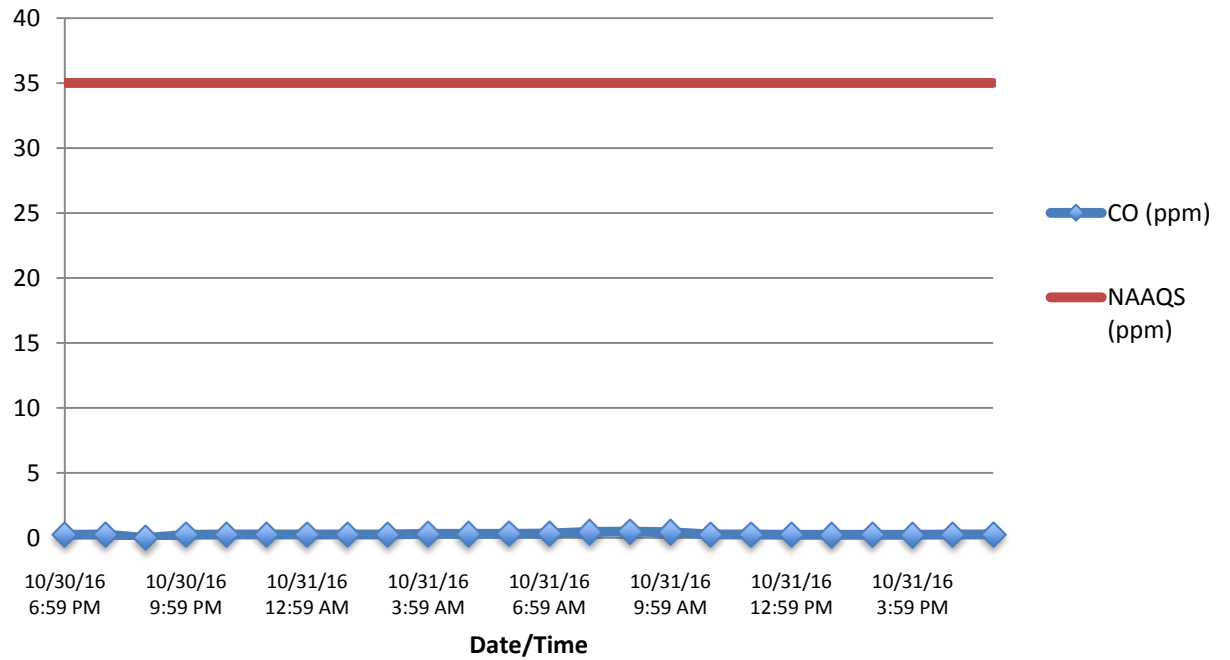
**Summary for 31 October 2016 at Camp Minden Area I**

Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.481	1.327	ppm	35 (1-hour)
CO <sub>2</sub>	462.9	504.9	ppm	For Monitoring Only
NO	3.1	11	ppb	For Monitoring Only
NO <sub>2</sub>	4	12	ppb	100 (1-hour)
NO <sub>X</sub>	5.8	21.8	ppb	100 (1-hour)
SO <sub>2</sub>	1.1	1.5	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	17.8	67	ug/m <sup>3</sup>	35 (24-hour)

# Camp Minden Area I Station Location Map for 31 October 2016

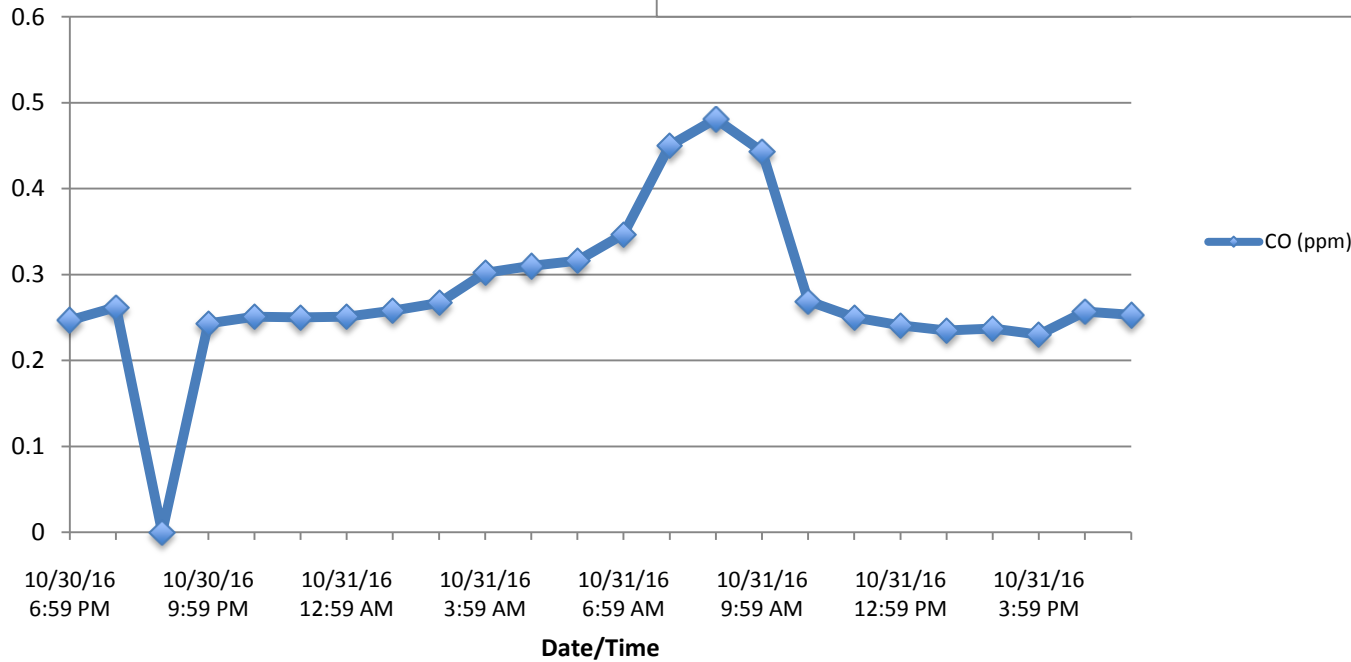


### Hourly Averages CO (ppm)

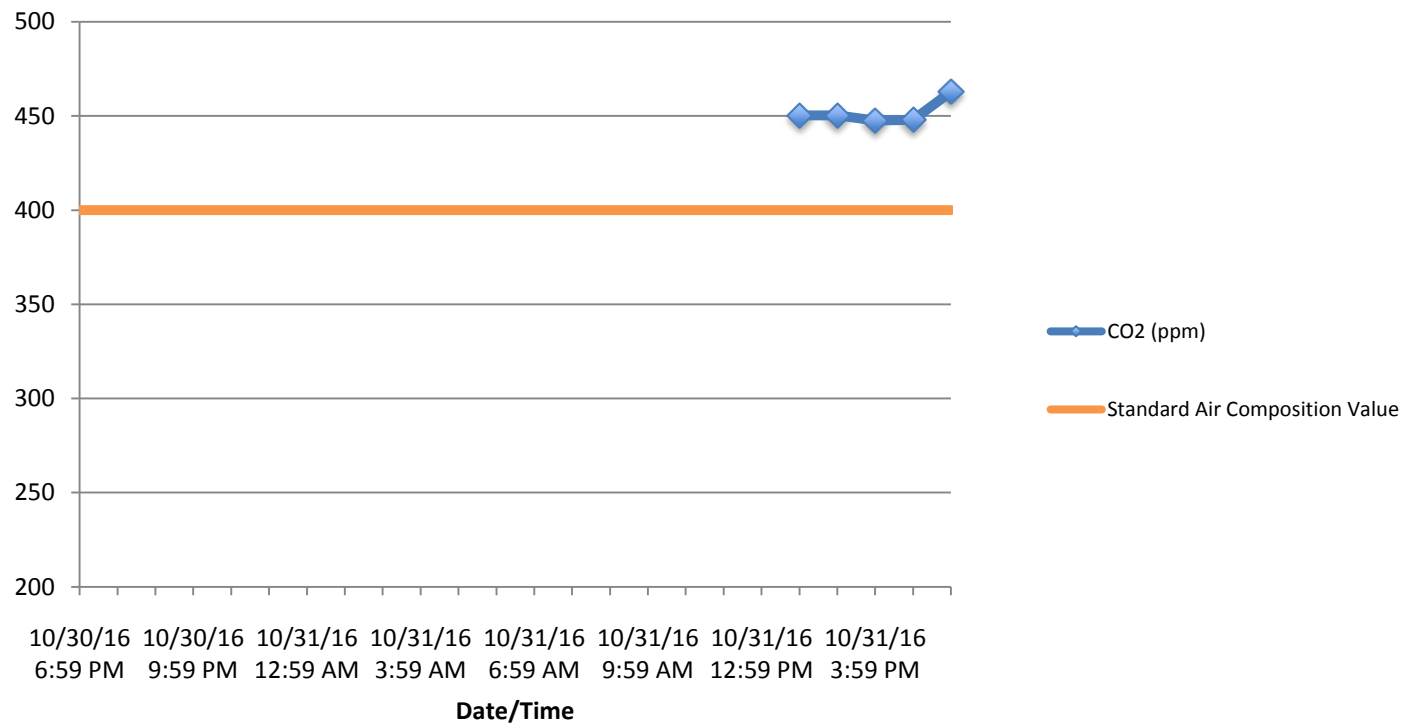


### Hourly Averages CO (ppm)

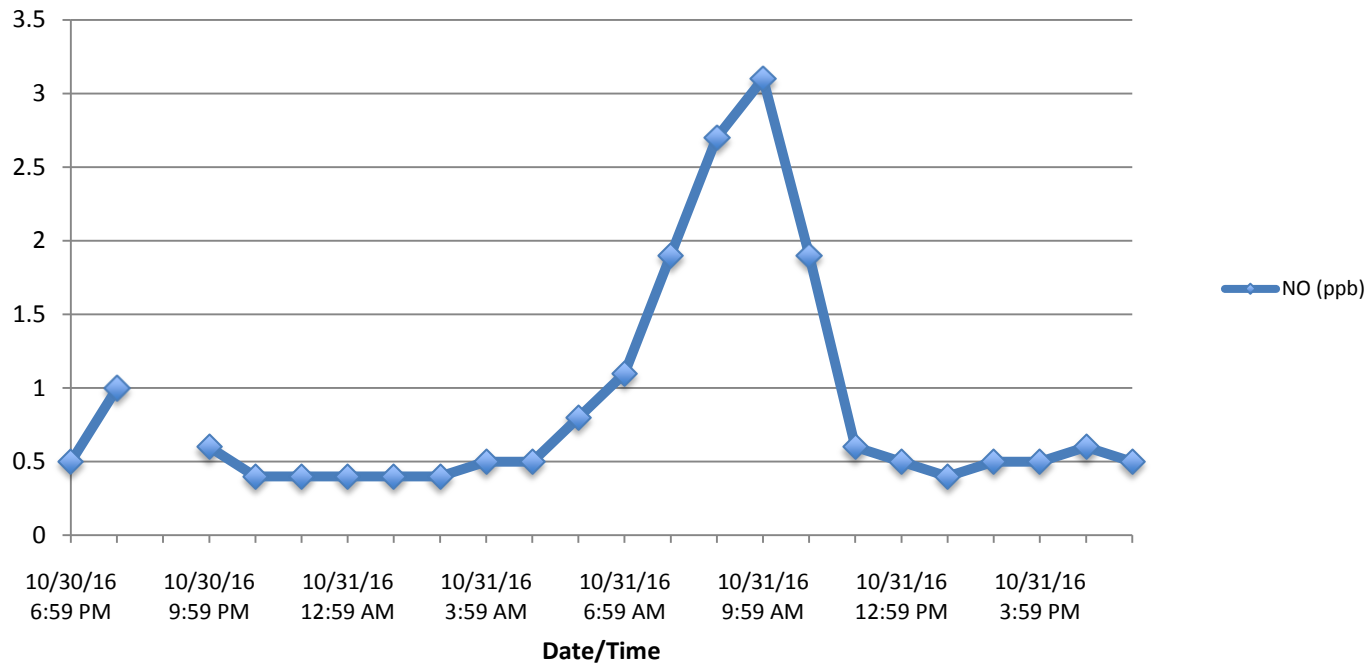
NAAQS 35 ppm



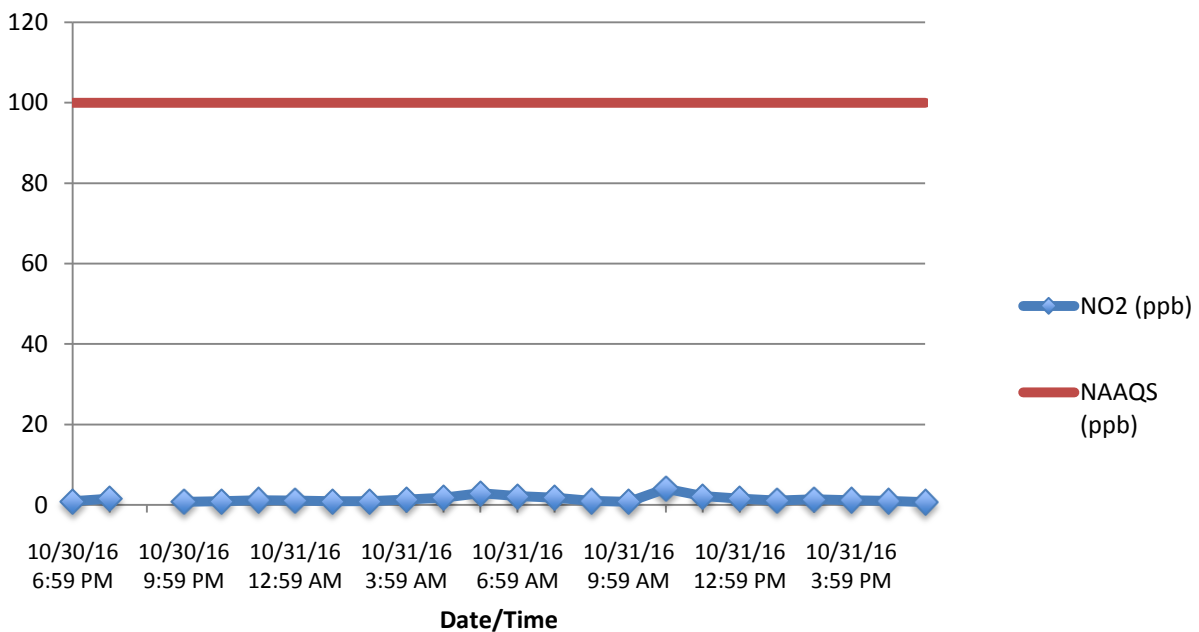
## Hourly Averages CO2 (ppm) For Monitoring Only



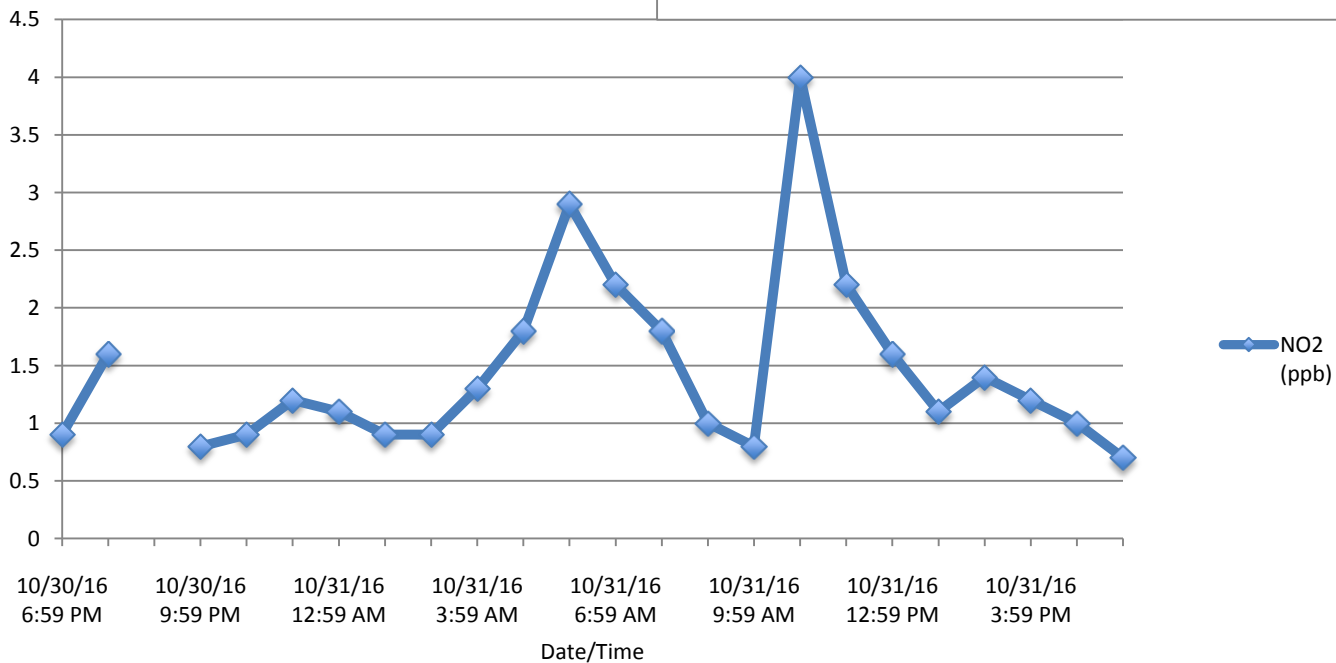
## Hourly Averages NO (ppb) For Monitoring Only



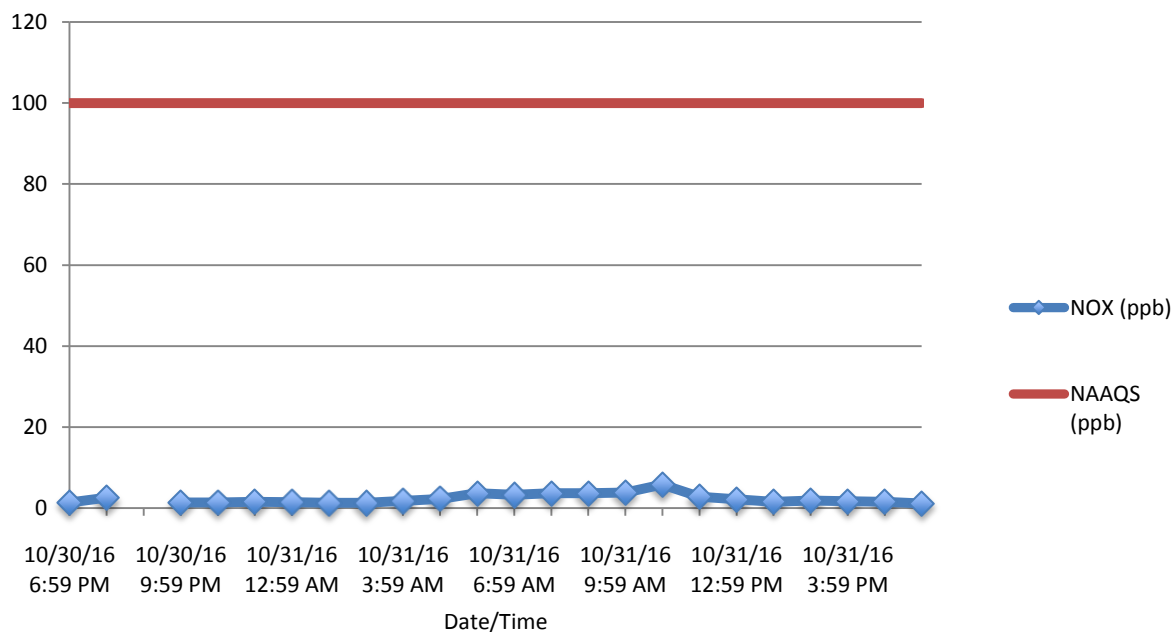
### Hourly Averages NO2 (ppb)



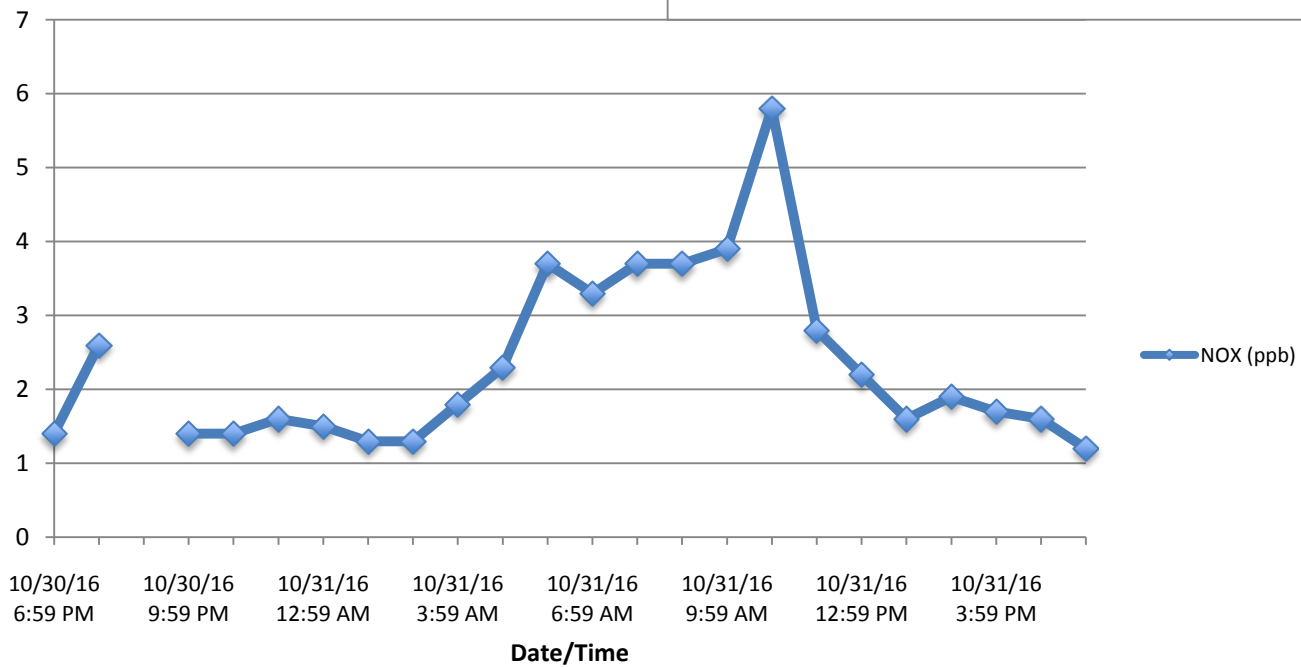
### Hourly Averages NO2 (ppb) NAAQS 100 ppb



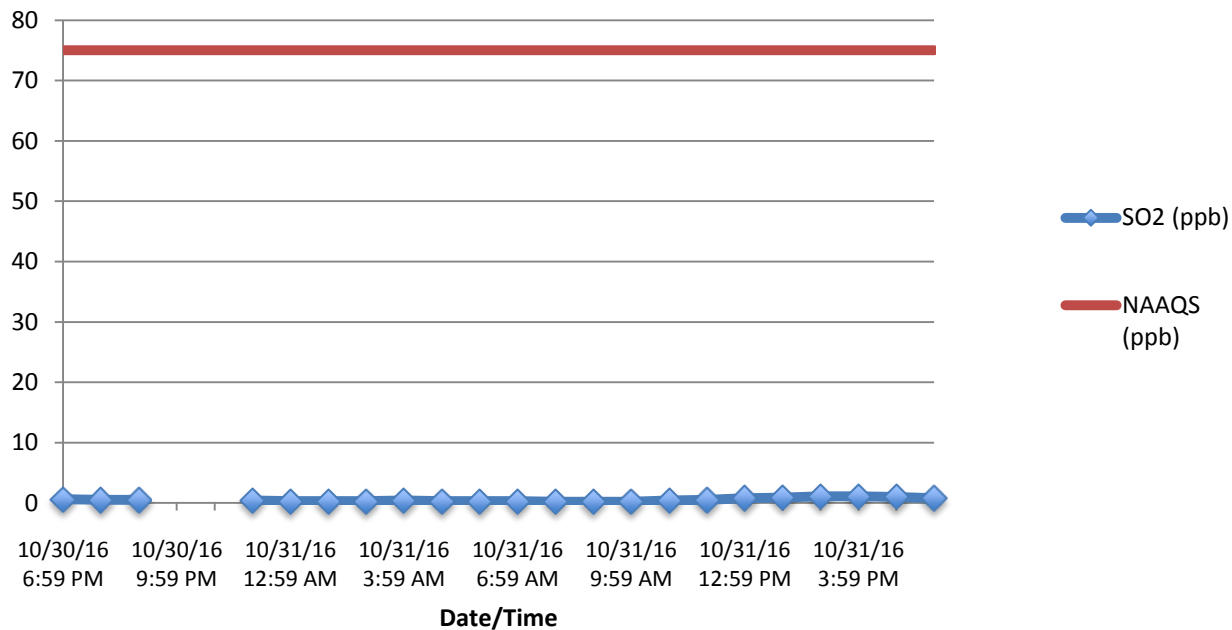
### Hourly Averages NOX (ppb)



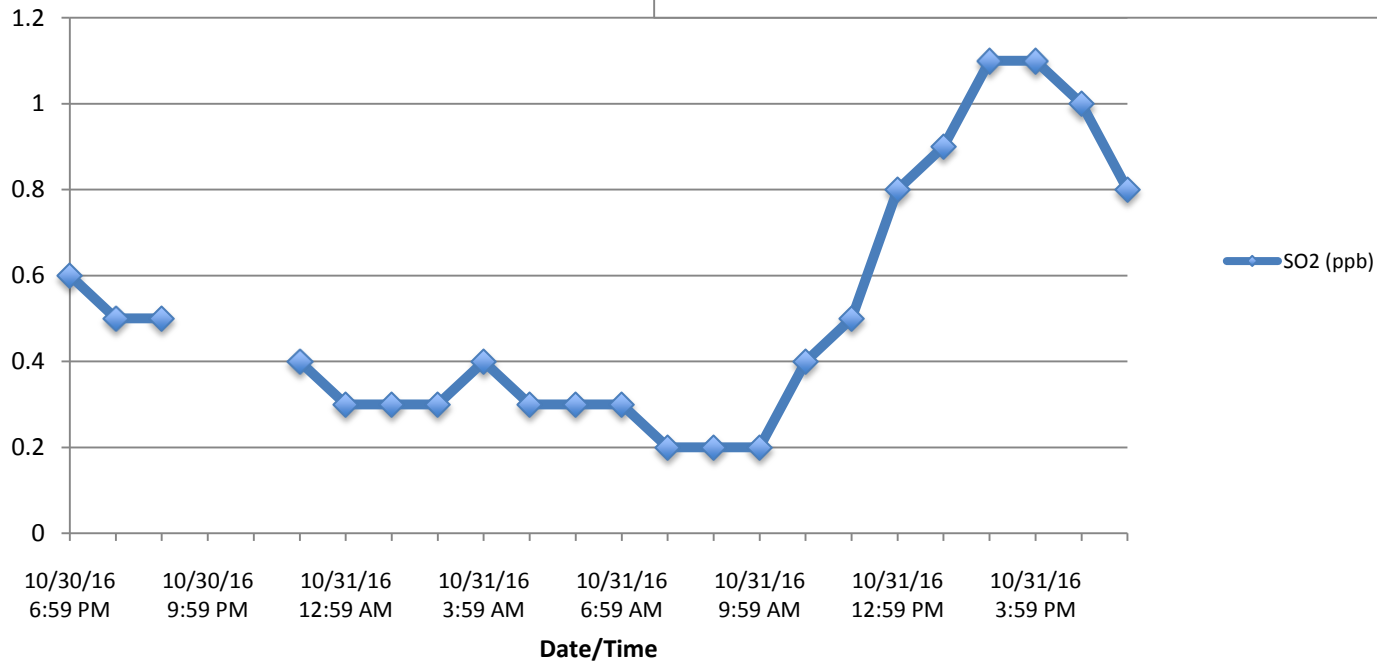
### Hourly Averages NOX (ppb) NAAQS 100 ppb



### Hourly Averages SO2 (ppb)

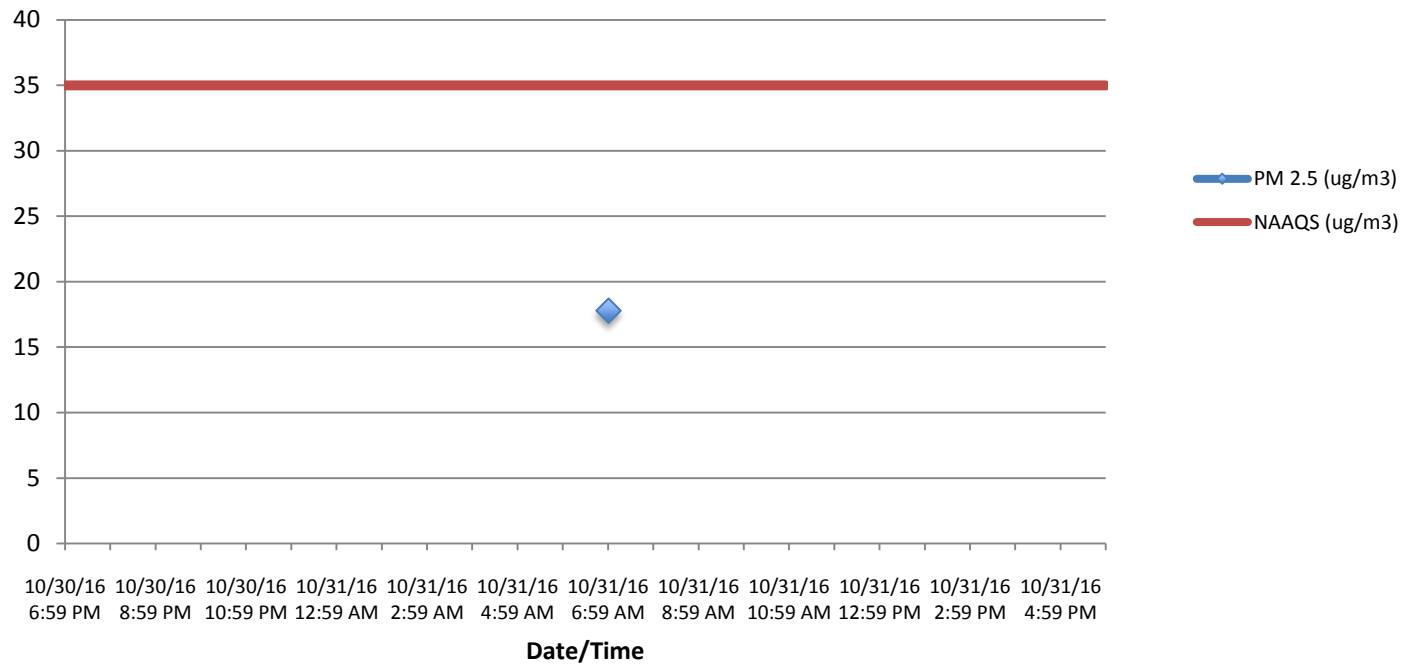


### Hourly Averages SO2 (ppb) NAAQS 75 ppb





## 24 Hour Average PM 2.5 (ug/m3) NAAQS 35 ug/m3



### Hourly Averages PM 2.5 (ug/m3)

