

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden Area I

Start Time: 11-09-2016 1800 - End Time: 11-10-2016 1800

November 10, 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 November 9, 2016 1800 through November 10, 2016, 2016 1800
- 2 Highest measurement of each analyte from November 9, 2016 1800 through November 10, 2016 1800

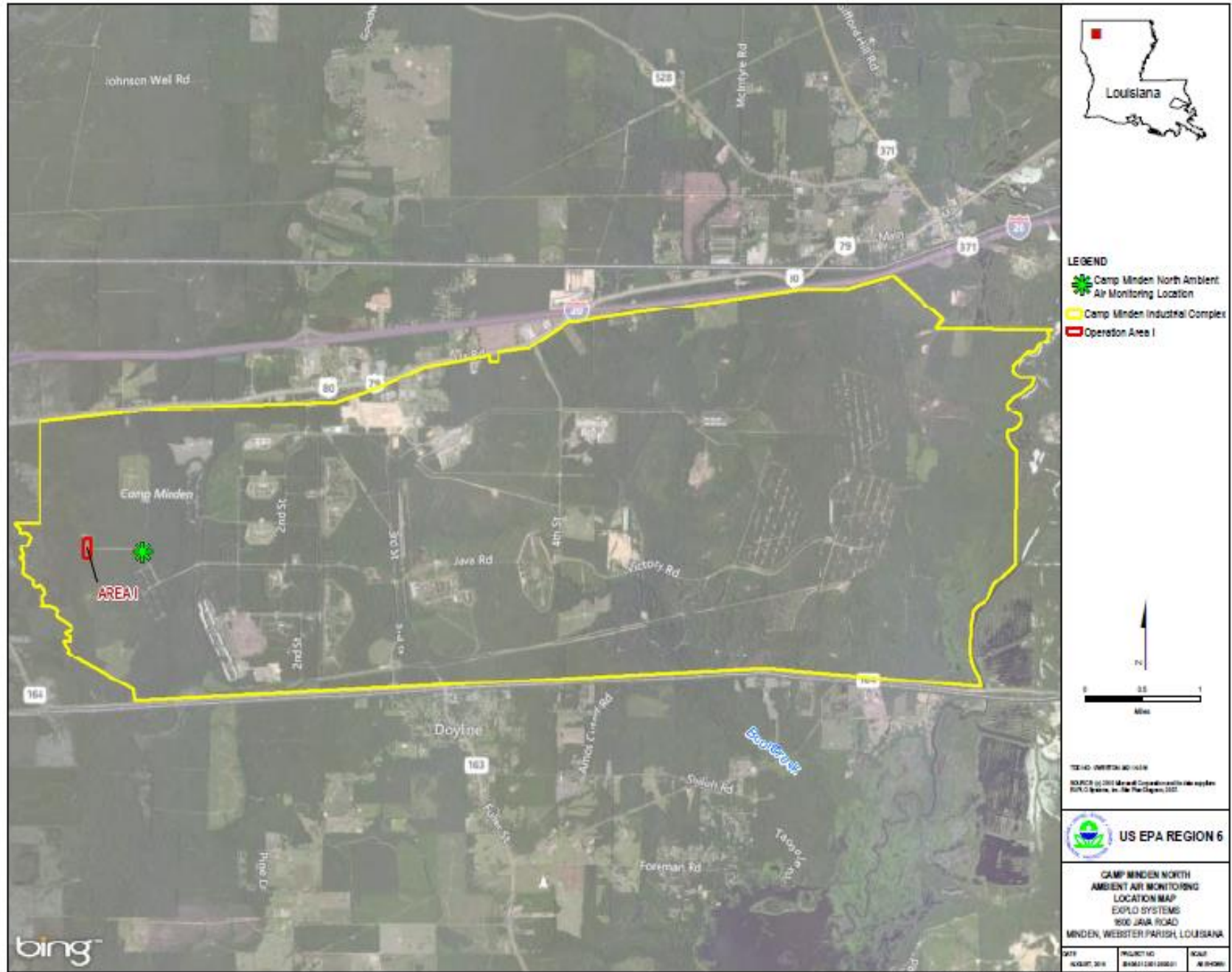
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

** All analyzers were operating normally. There was a period of elevated NO_x from 0647-0701 CST, with 1-minute NO_x peaking at 196.5 ppb and NO₂ peaking at 54.1 ppb; 1-minute CO and CO₂ rose 100 ppb and 50 ppm above baseline during the period respectively. Winds were very light at 1.5 mph from the NW during the period. There were power interruptions at the trailer twice. The first was momentary, and affected data from 1048 – 1050 CST. The second outage was longer duration, from 1444 – 1458 CST. Analyzer recovery time affected data between 1458 and 1530 CST, with exact periods varying by analyzer.

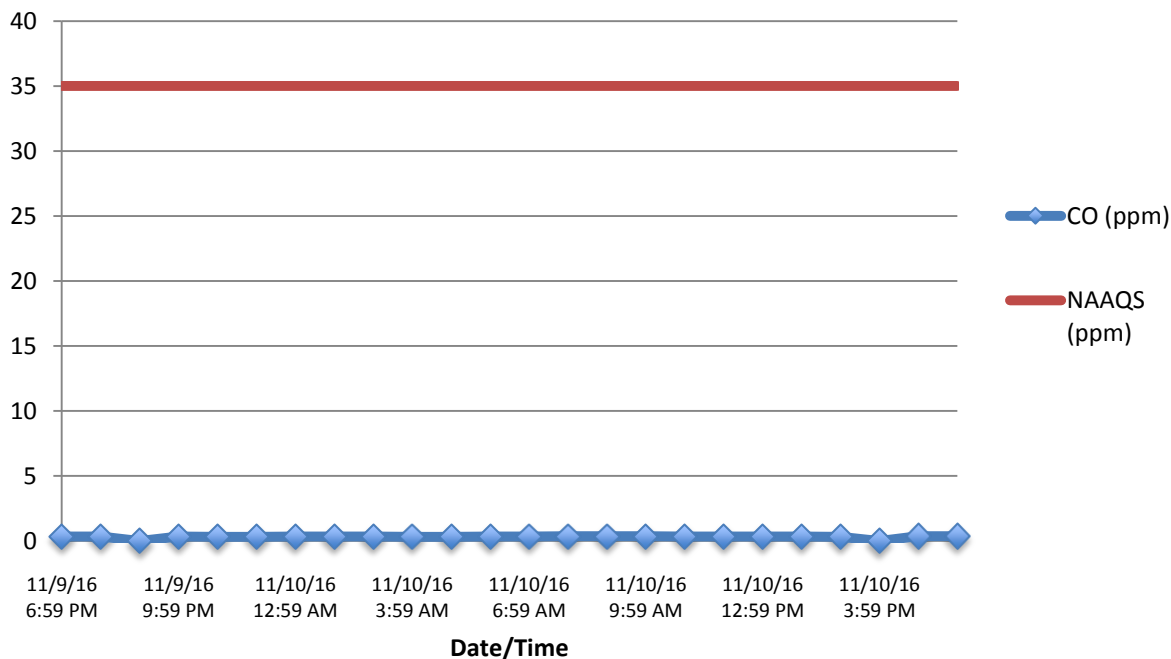
Summary for 10 November 2016 at Camp Minden Area I

Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.368	0.746	ppm	35 (1-hour)
CO ₂	516.6	561.4	ppm	For Monitoring Only
NO	16.5	158.8	ppb	For Monitoring Only
NO ₂	8.9	54.1	ppb	100 (1-hour)
NO _x	25.4	196.5	ppb	100 (1-hour)
SO ₂	0.7	1.1	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	12.6	28	ug/m ³	35 (24-hour)

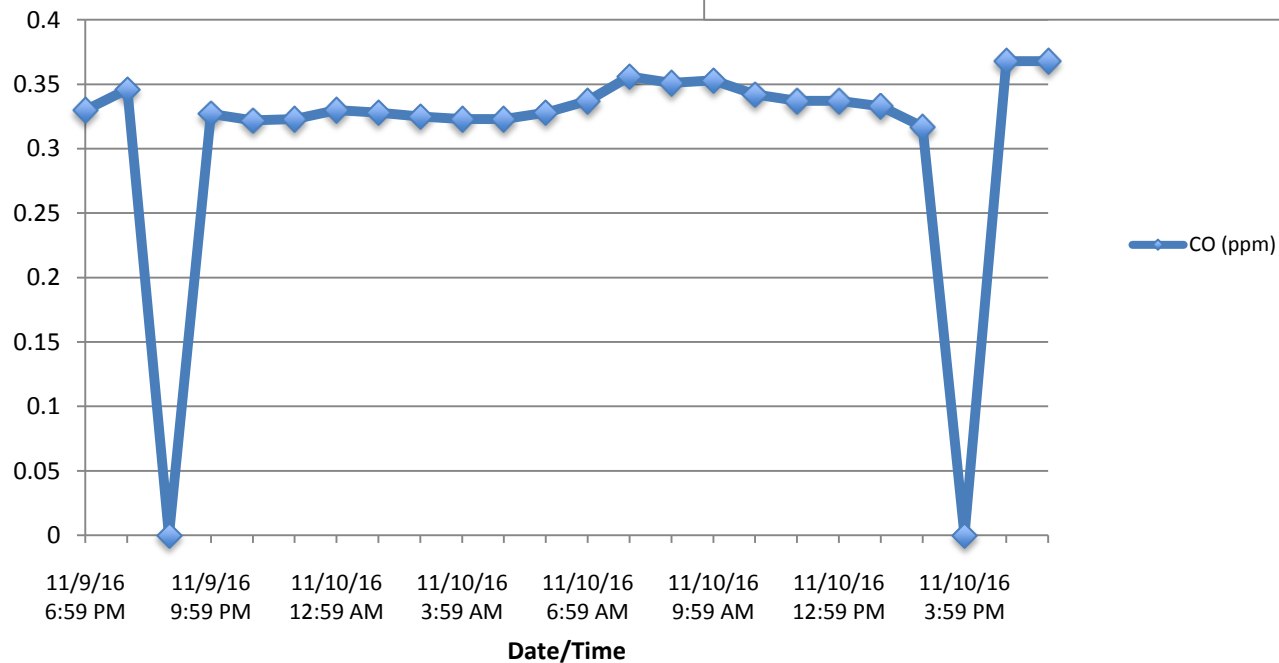
Camp Minden Area I Station Location Map for 10 November 2016



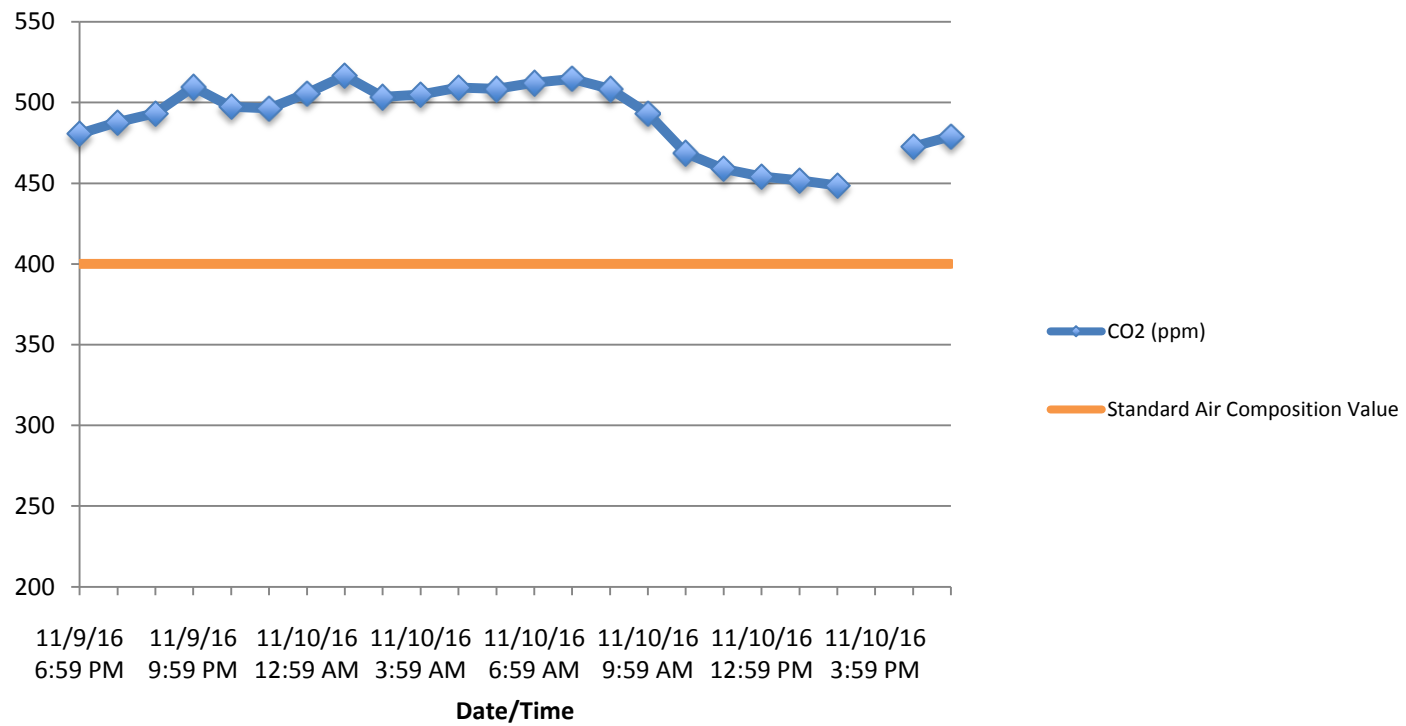
Hourly Averages CO (ppm)



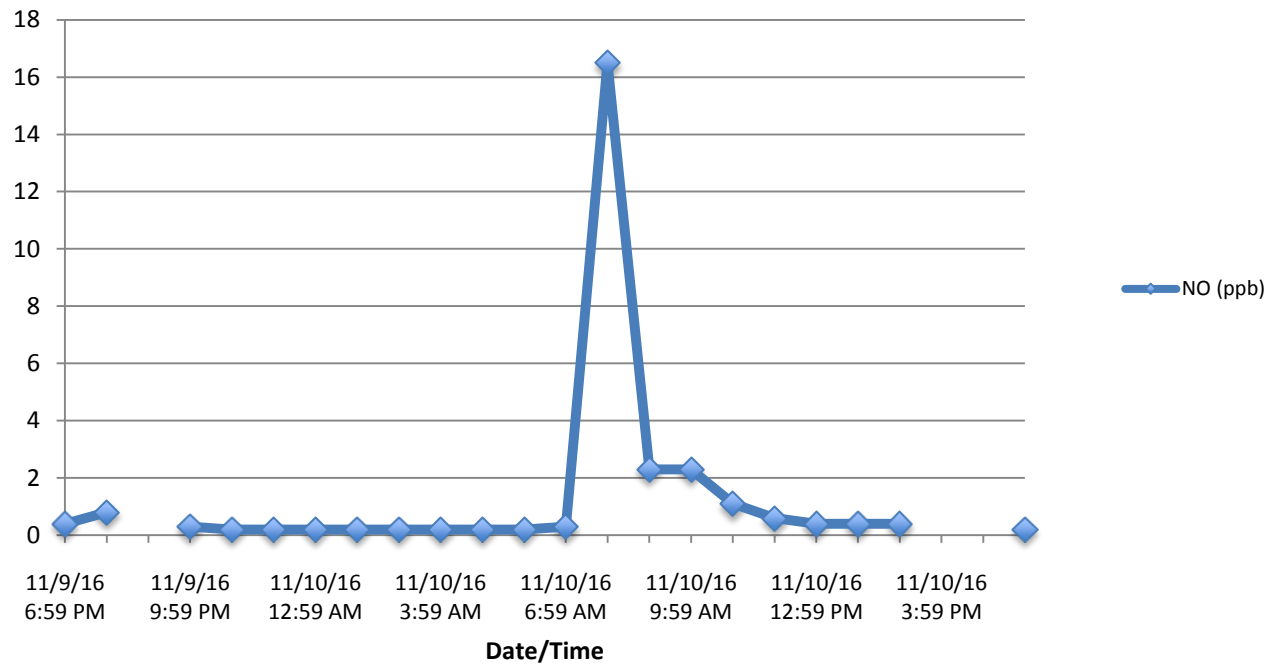
Hourly Averages CO (ppm) NAAQS 35 ppm



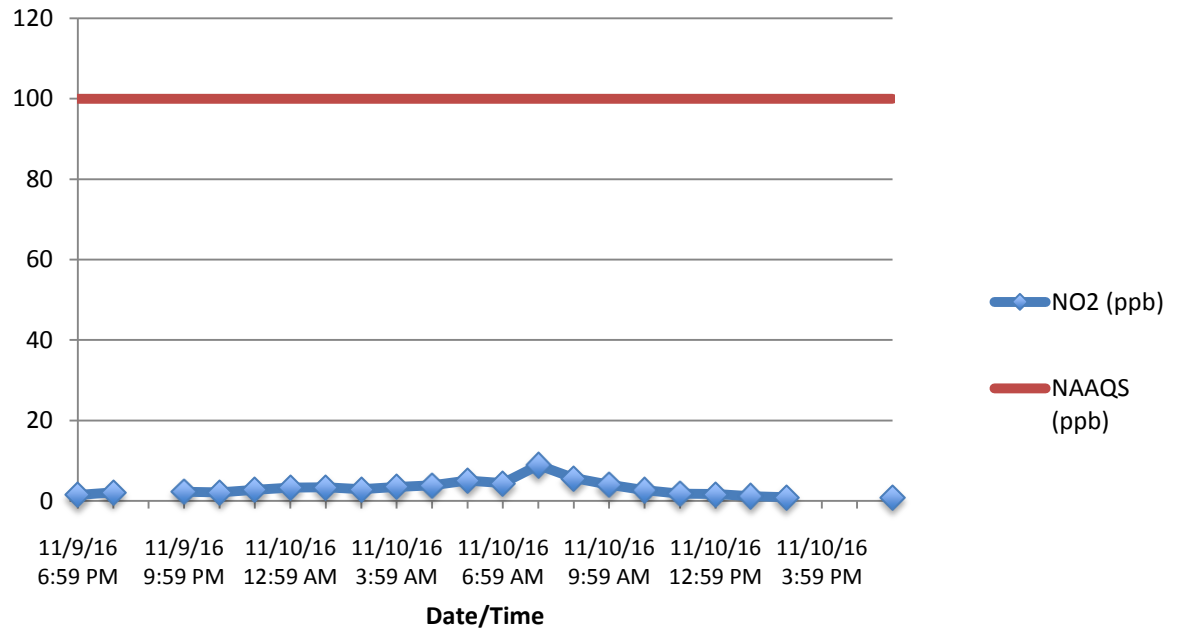
Hourly Averages CO2 (ppm) For Monitoring Only



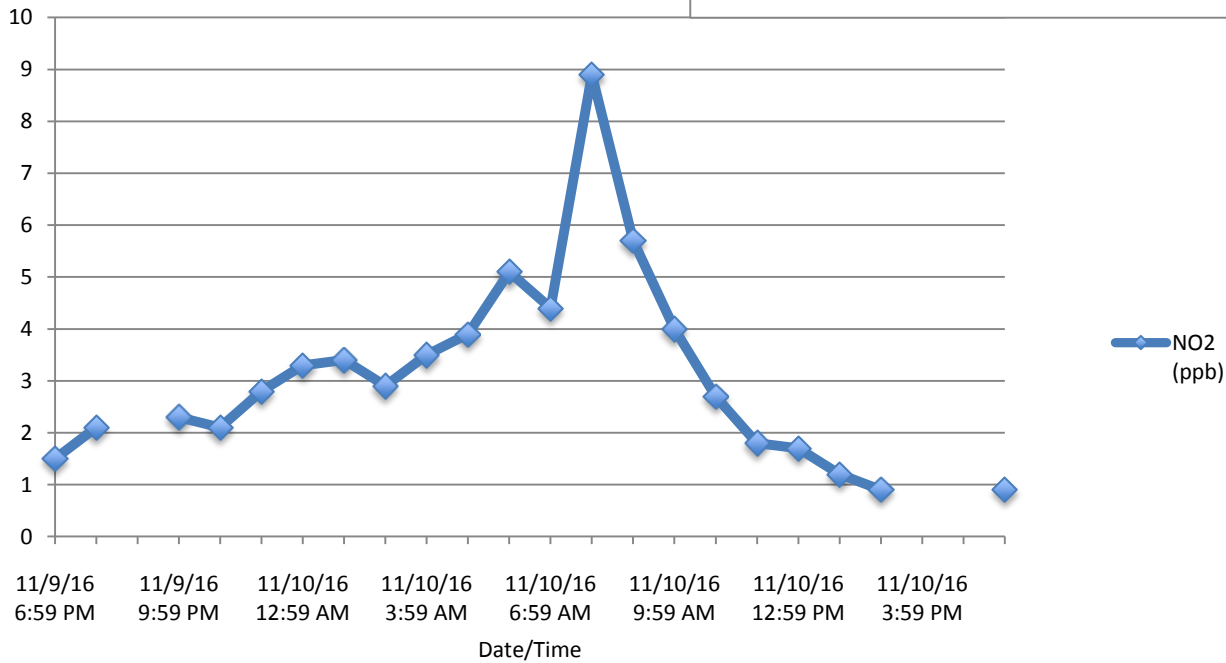
Hourly Averages NO (ppb) For Monitoring Only



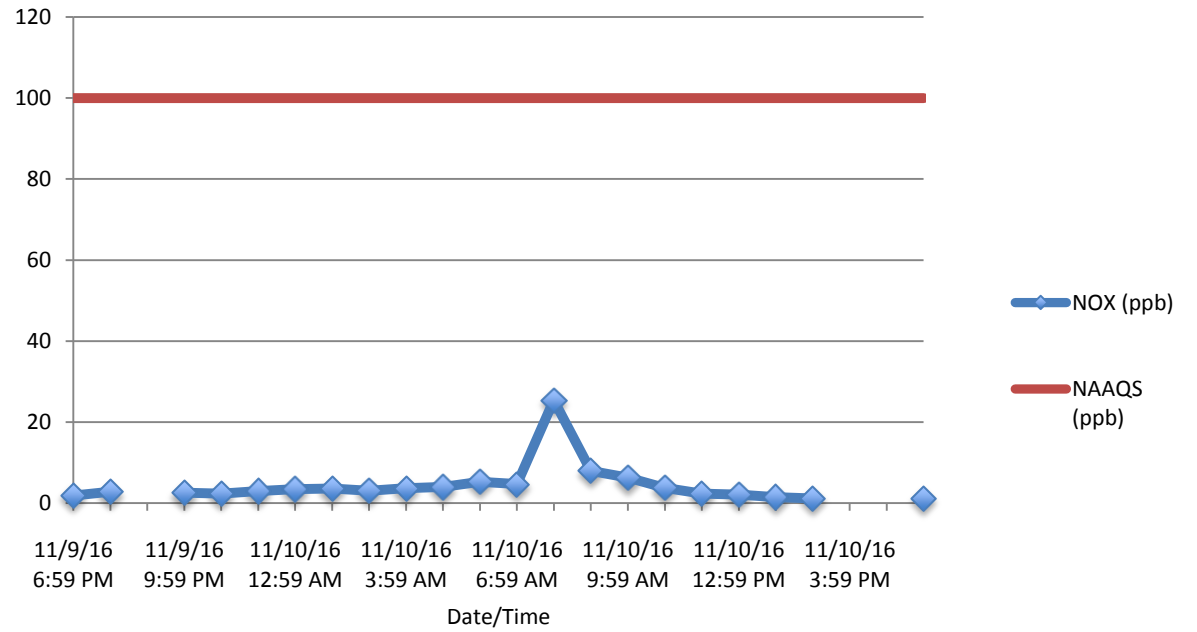
Hourly Averages NO2 (ppb)



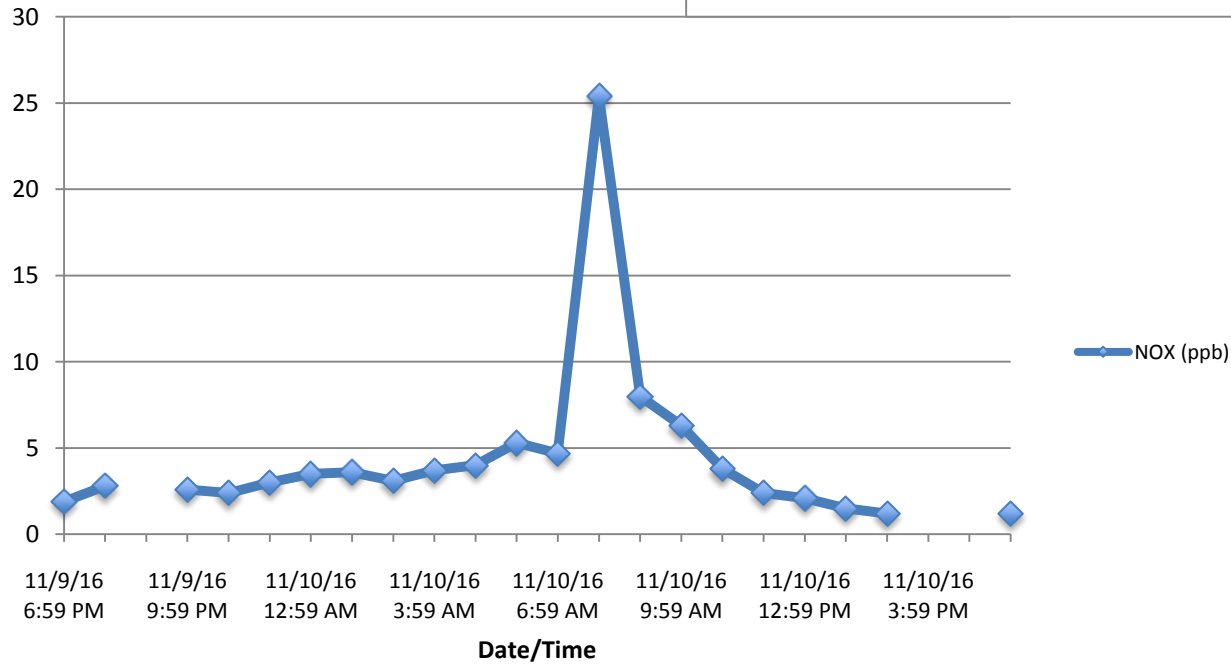
Hourly Averages NO2 (ppb) NAAQS 100 ppb



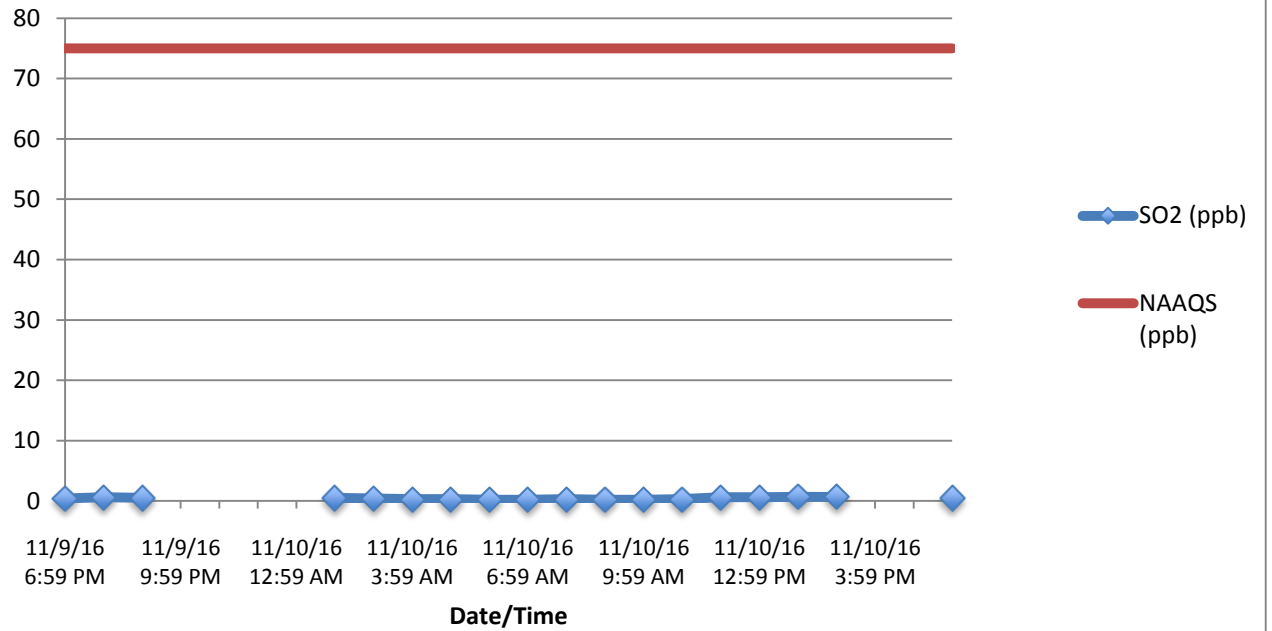
Hourly Averages NOX (ppb)



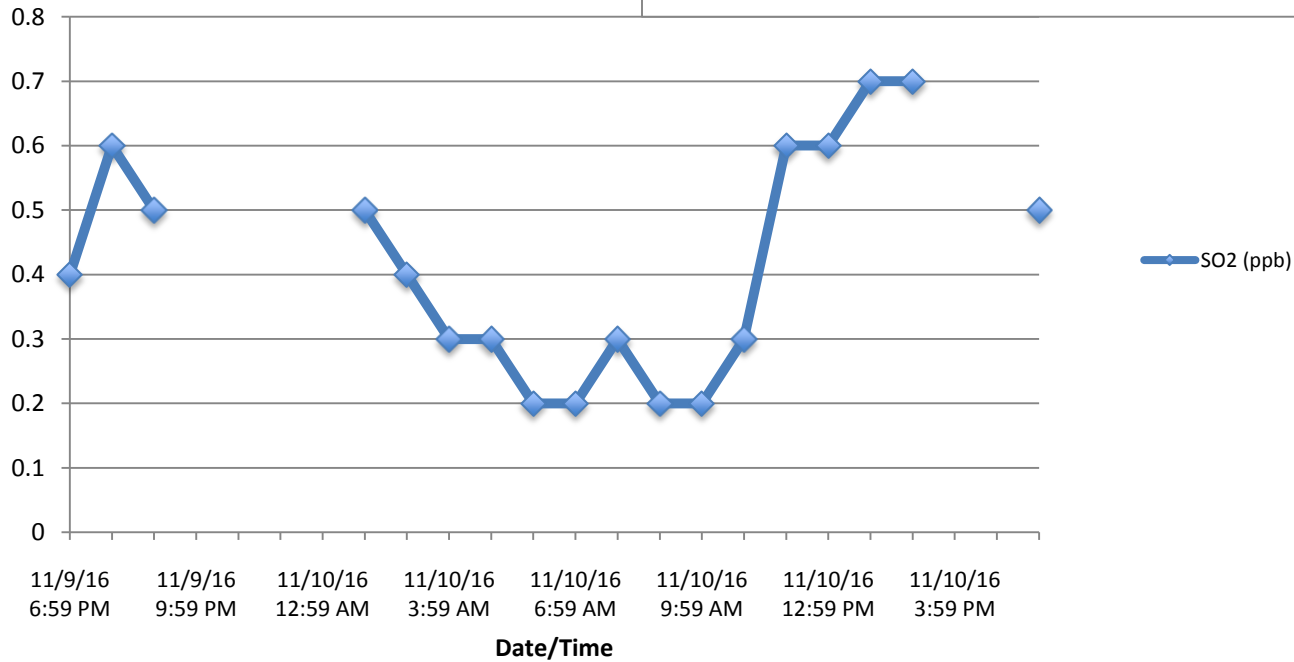
Hourly Averages NOX (ppb) NAAQS 100 ppb



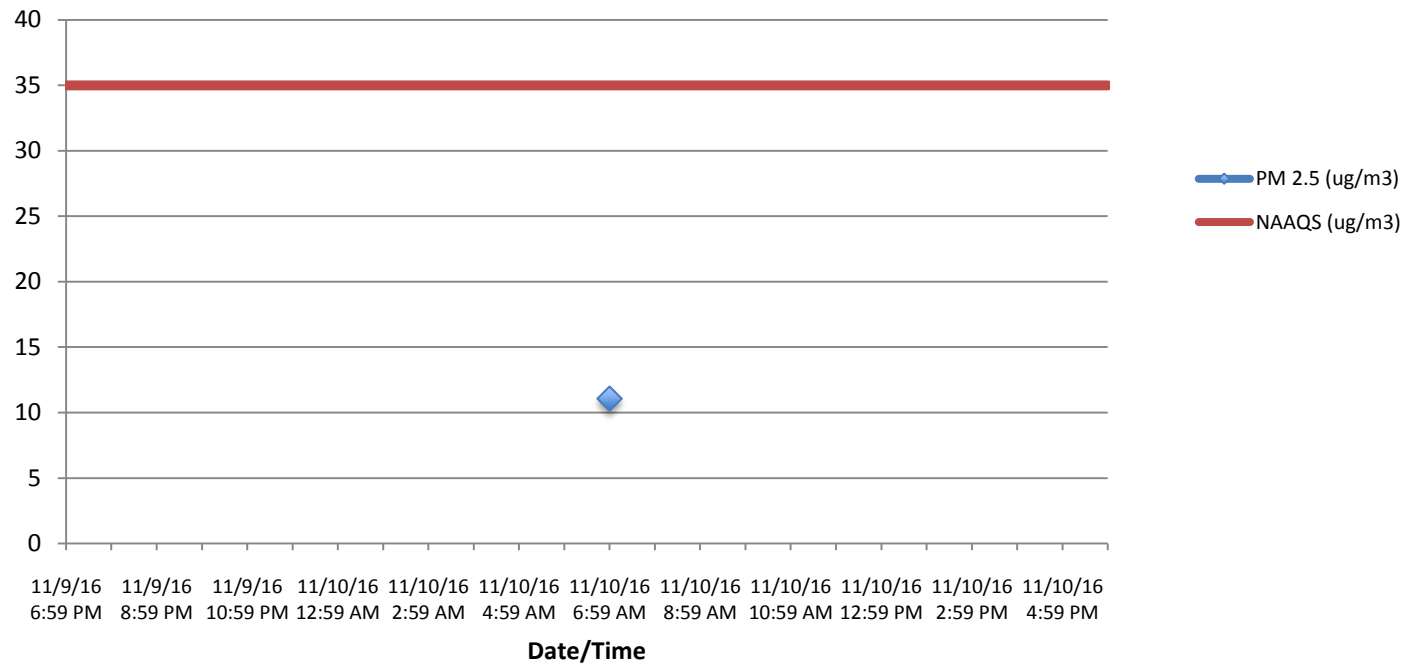
Hourly Averages SO2 (ppb)



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)

