

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden Area I

Start Time: 11-19-2016 1800 - End Time: 11-20-2016 1800

November 20, 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 19, 2016 1800 through November 20, 2016, 2016 1800
- 2 Highest measurement of each analyte from November 19, 2016 1800 through November 20, 2016 1800

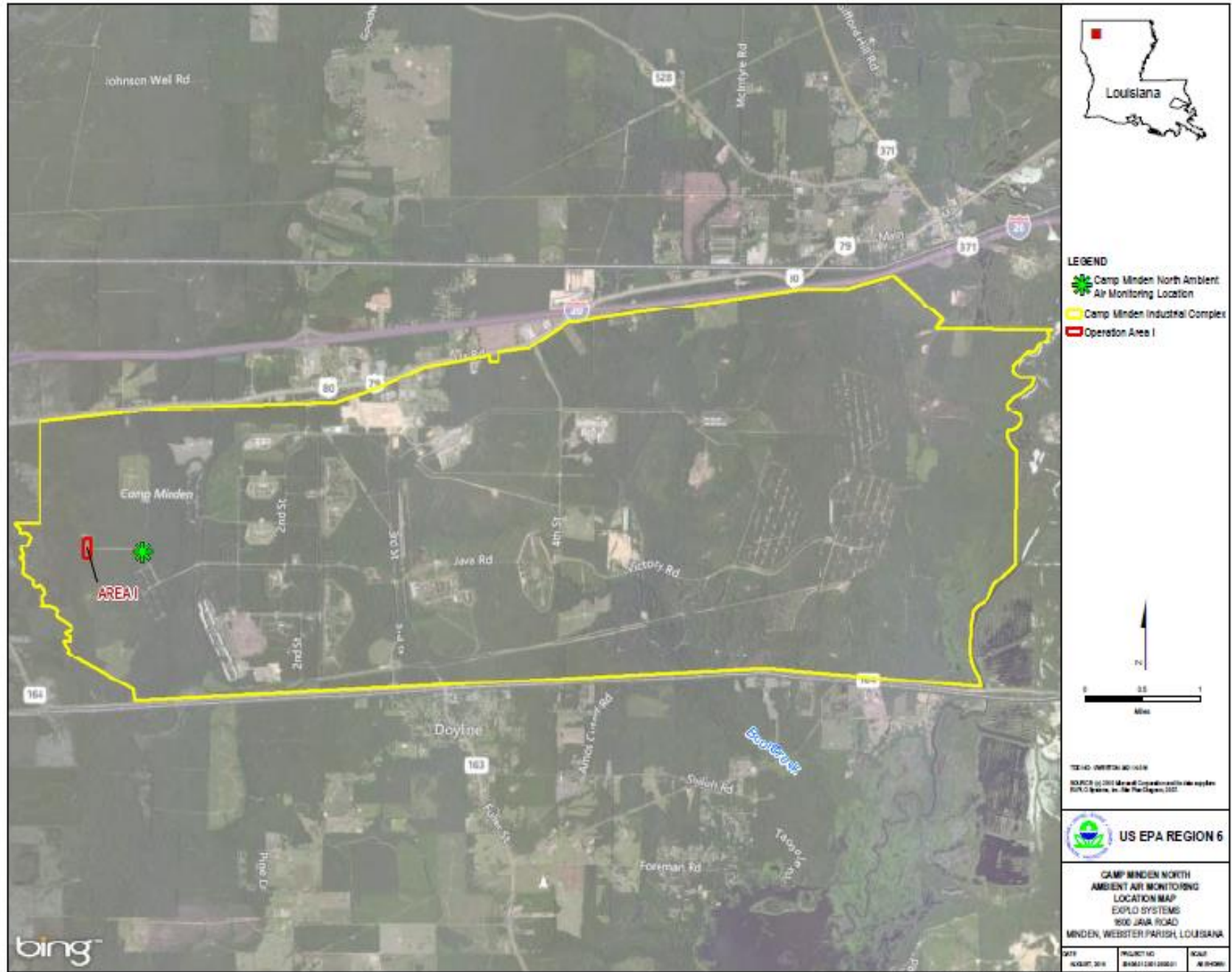
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

** The monitoring database has been validated for calendar day 11/20/16 (through 00:00 11/21/16 CST). All analyzers were operating normally. There was a spike in PM_{2.5} to 59 ug/m³ at 1200 CST. Temperatures in trailer were varying due to cold air mass (freezing temps overnight). Hourly trailer temperatures hit lowest point of 14 C at 0700, increased steadily to approx. 25 C by noon, and were held steady at that level into the nighttime hours. The PM_{2.5} readings for the day were considered valid, but may have been affected by temperature variations. The weather station logger was reset at 1209 CST to restore communications.

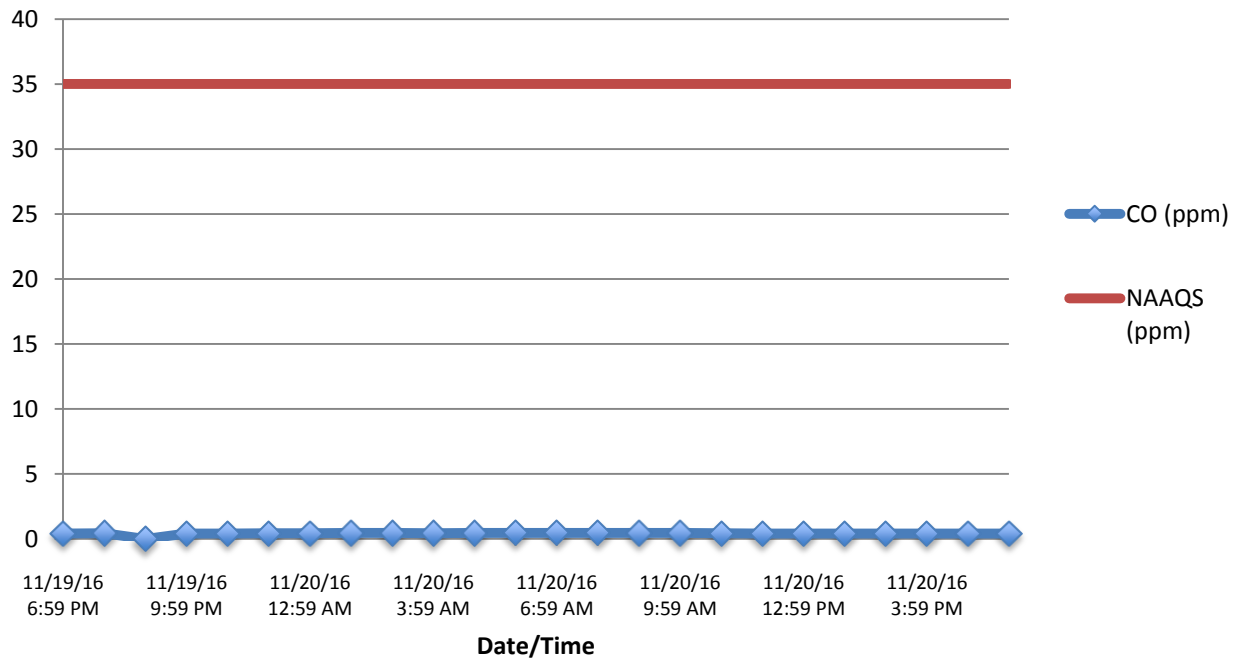
Summary for 20 November 2016 at Camp Minden Area I

Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.465	1.263	ppm	35 (1-hour)
CO ₂	434.9	538.6	ppm	For Monitoring Only
NO	8.3	19.5	ppb	For Monitoring Only
NO ₂	4.8	7.7	ppb	100 (1-hour)
NO _X	10.1	25.1	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	22	59.8	ug/m ³	35 (24-hour)

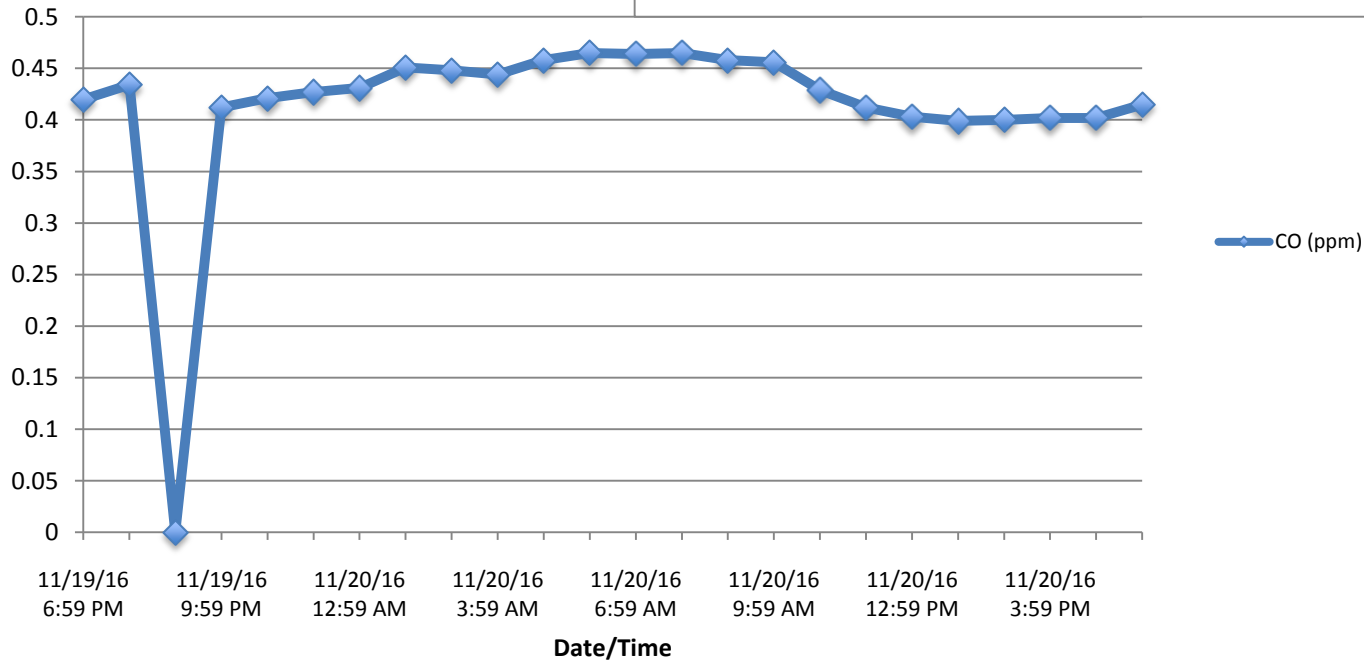
Camp Minden Area I Station Location Map for 20 November 2016



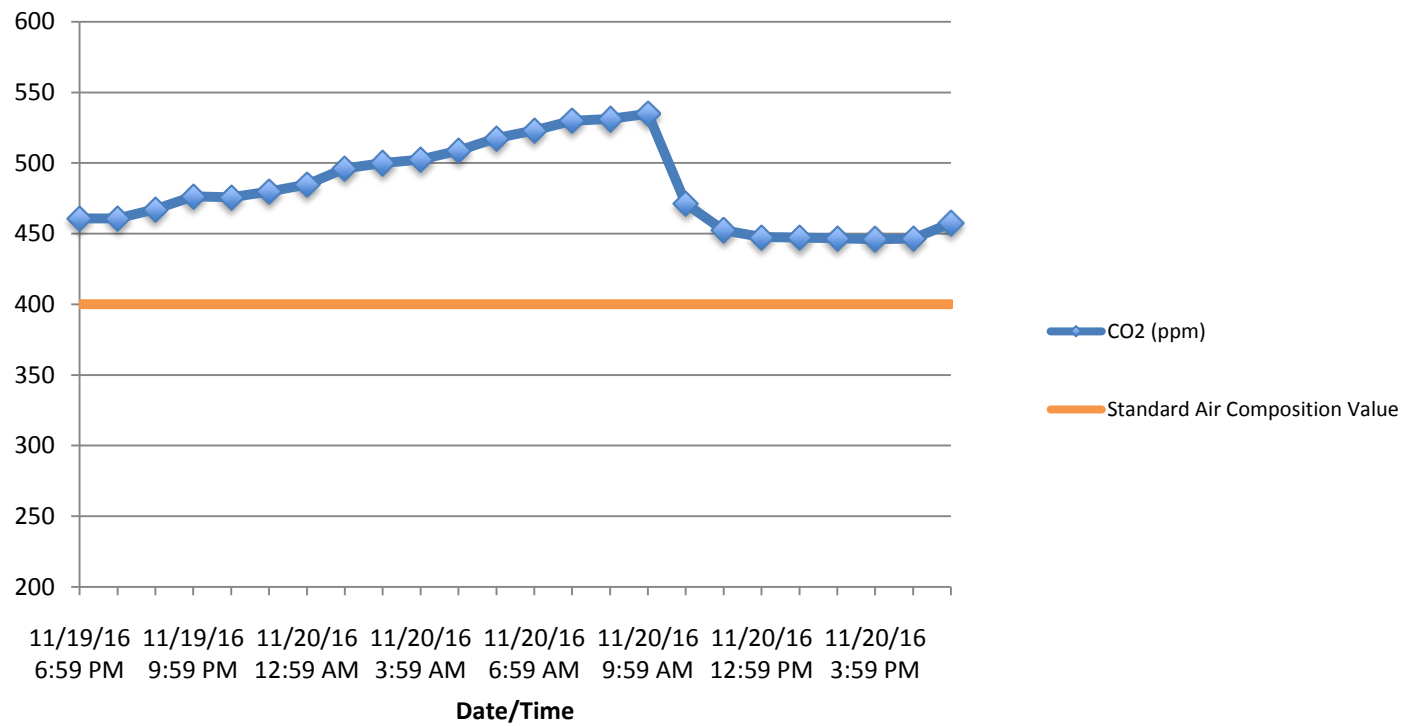
Hourly Averages CO (ppm)



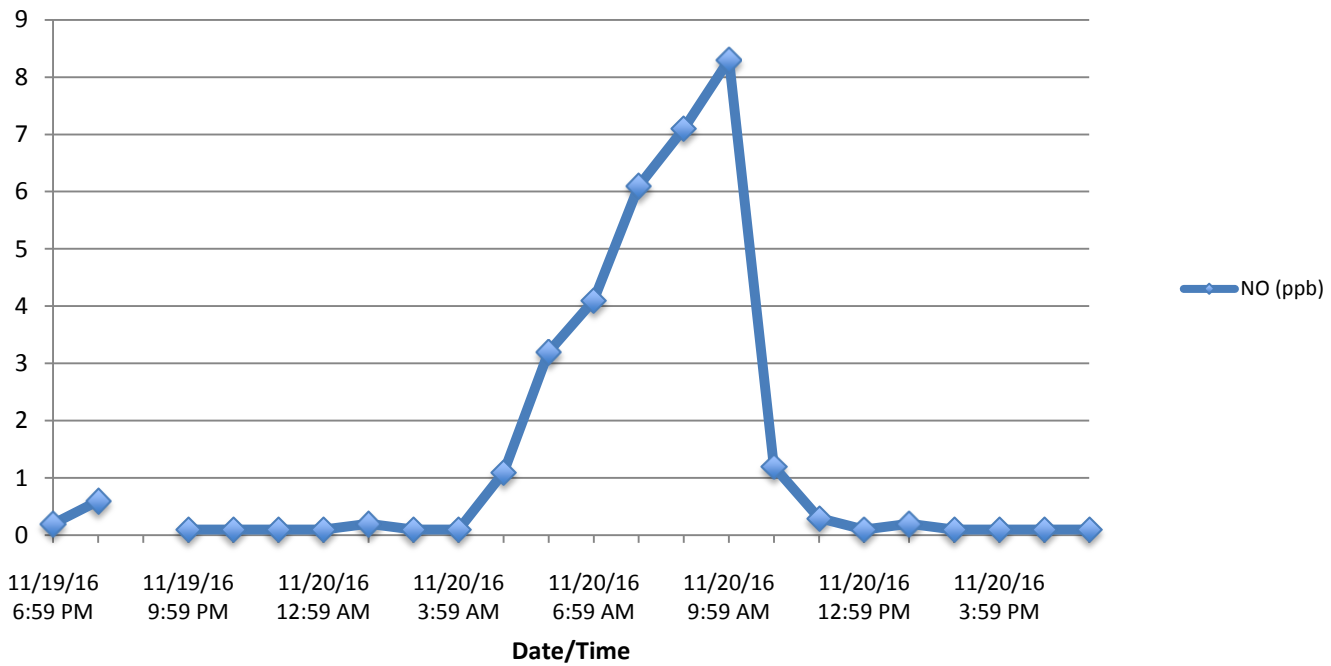
Hourly Averages CO (ppm) NAAQS 35 ppm



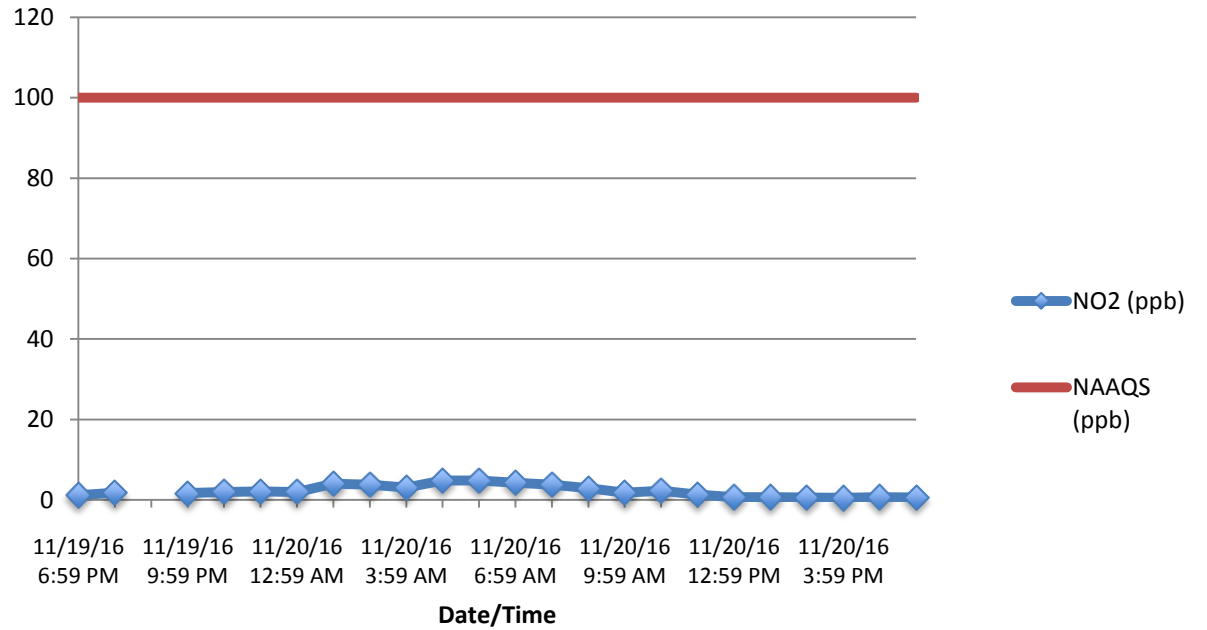
Hourly Averages CO2 (ppm) For Monitoring Only



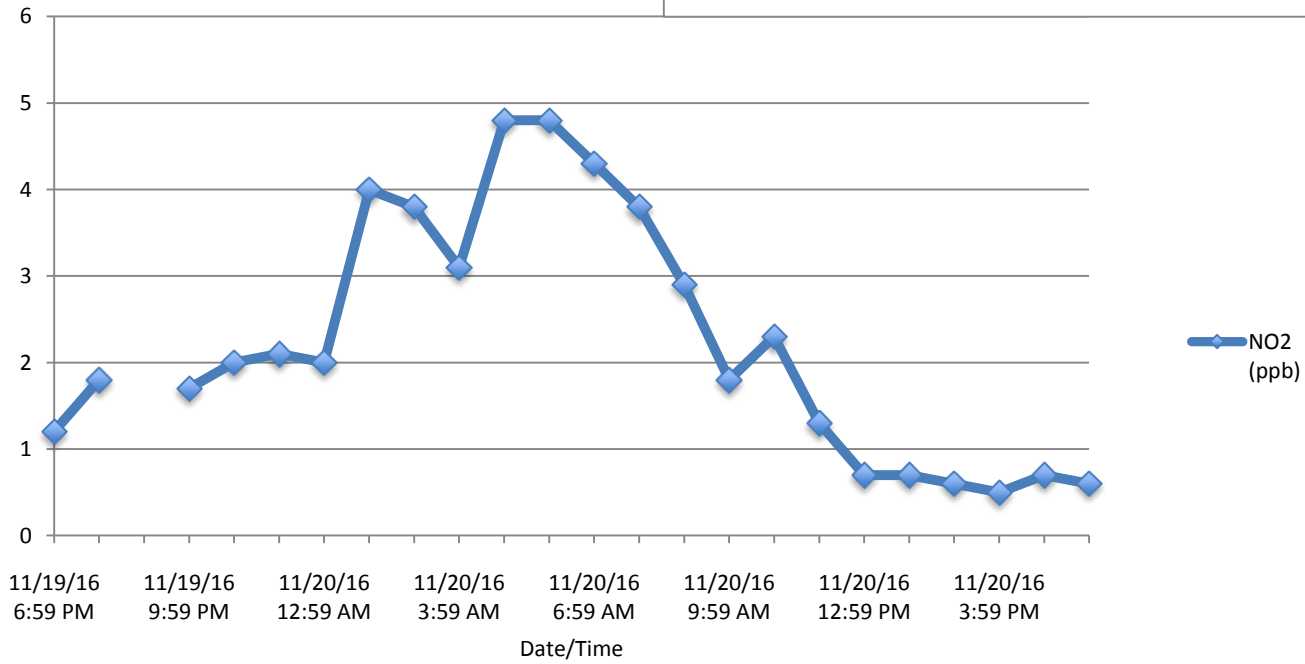
Hourly Averages NO (ppb) For Monitoring Only



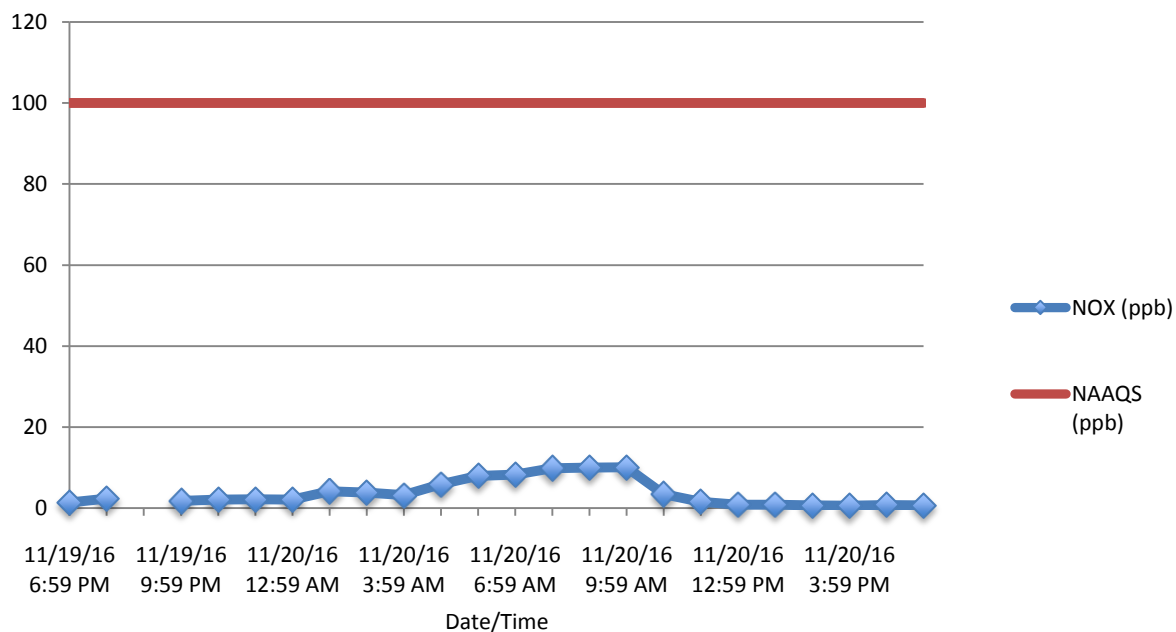
Hourly Averages NO2 (ppb)



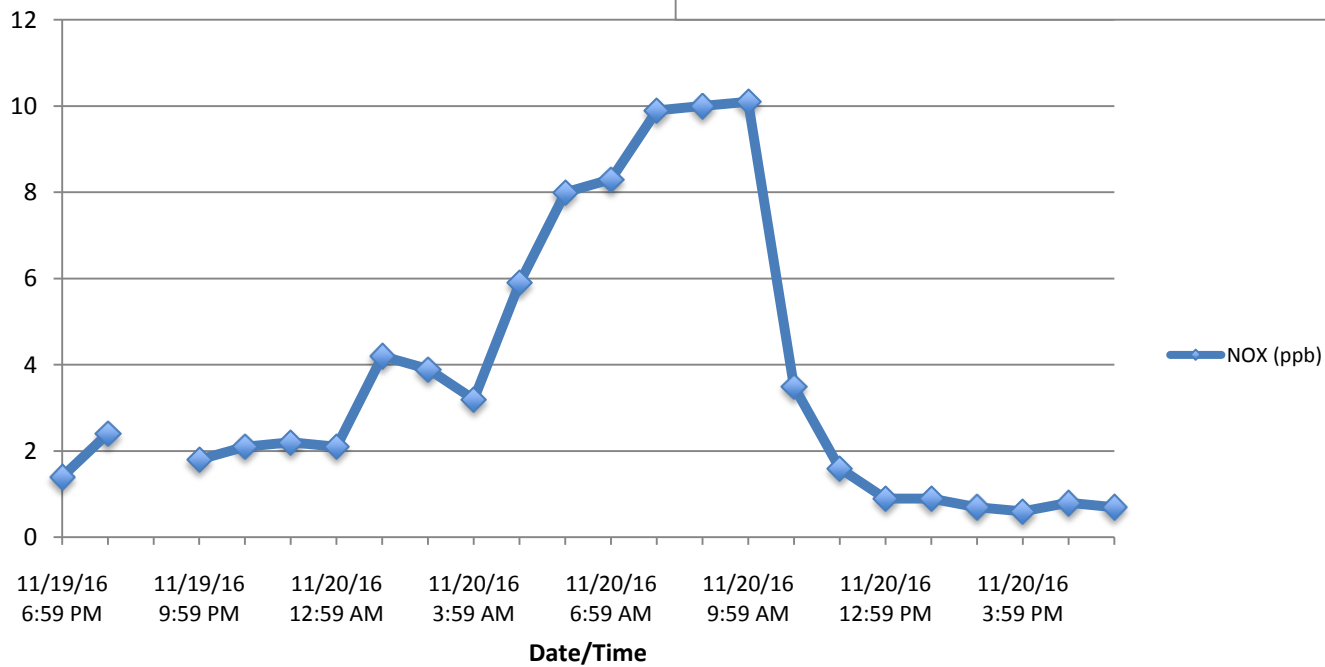
Hourly Averages NO2 (ppb) NAAQS 100 ppb



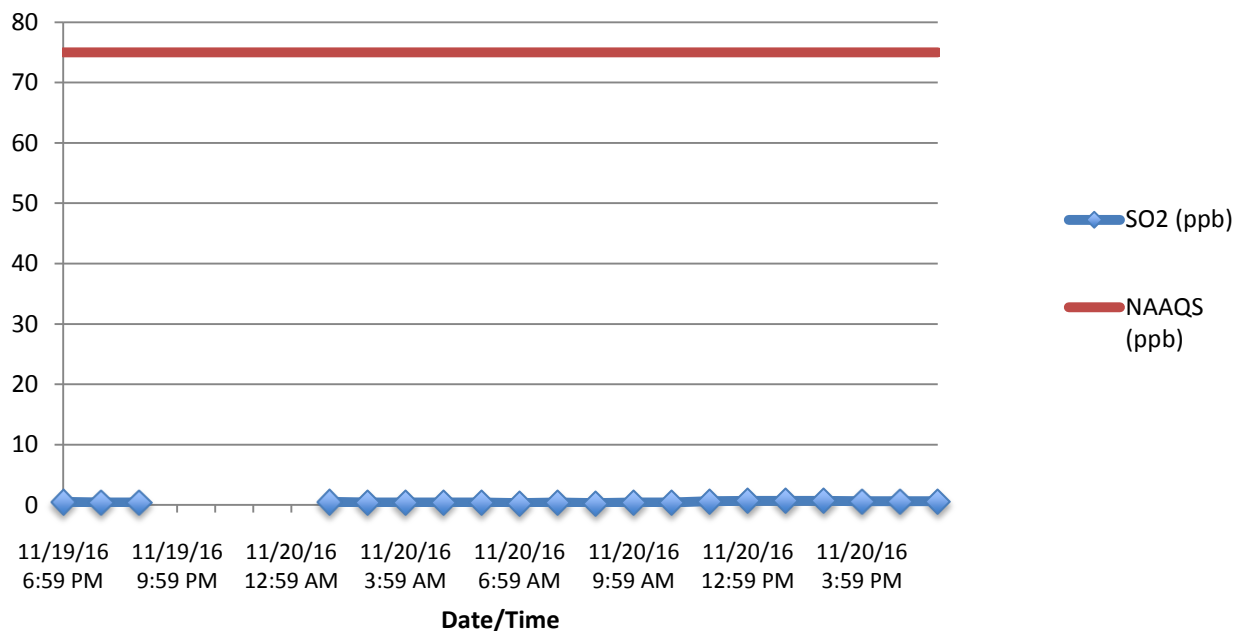
Hourly Averages NOX (ppb)



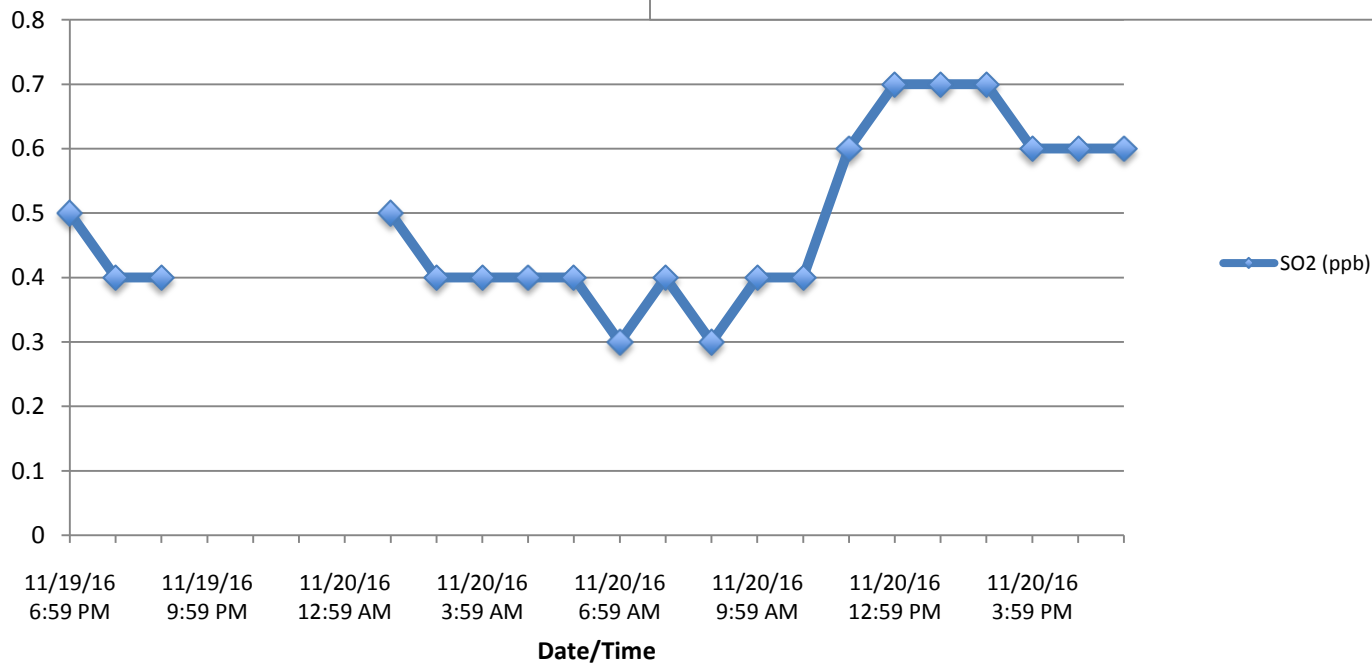
Hourly Averages NOX (ppb) NAAQS 100 ppb



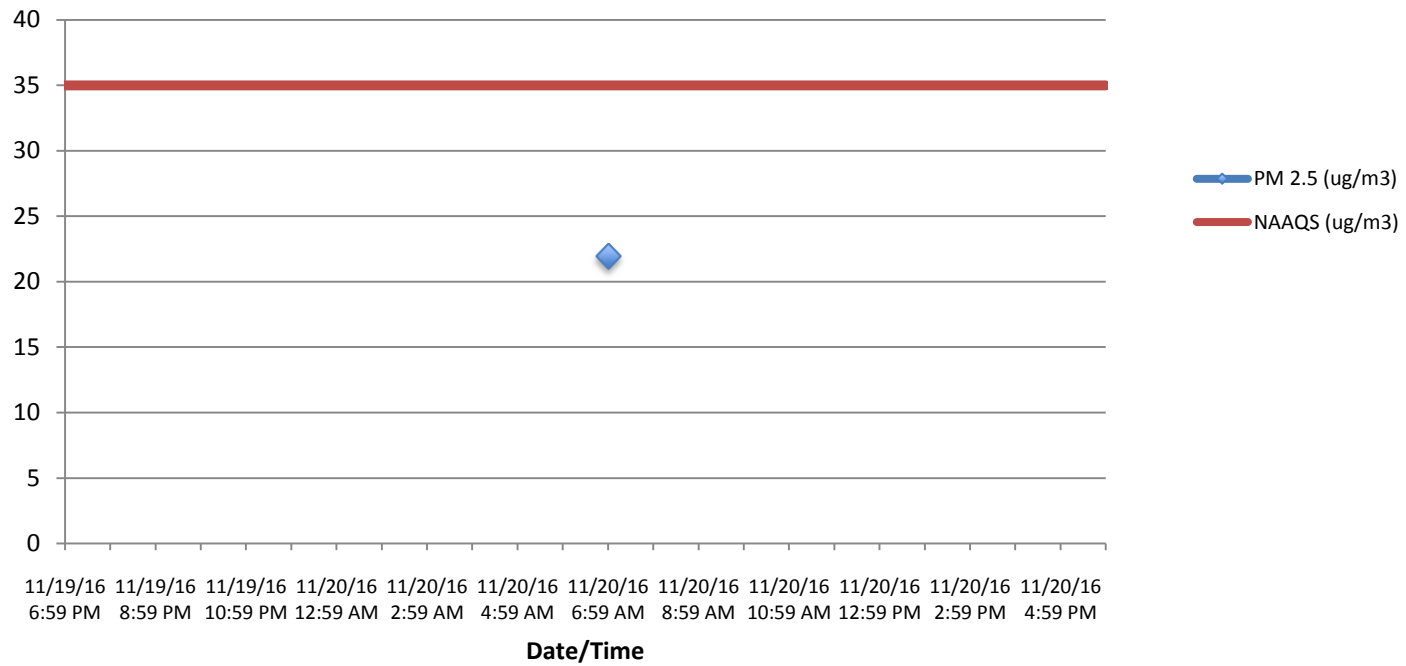
Hourly Averages SO2 (ppb)



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)

