

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden Area I

Start Time: 01-10-2017 1800 - End Time: 01-11-2017 1800

January 11, 2017 – 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 January 10, 2017 1800 through January 11, 2017 1800
- 2 Highest measurement of each analyte from January 10, 2017 1800 through January 11, 2017 1800

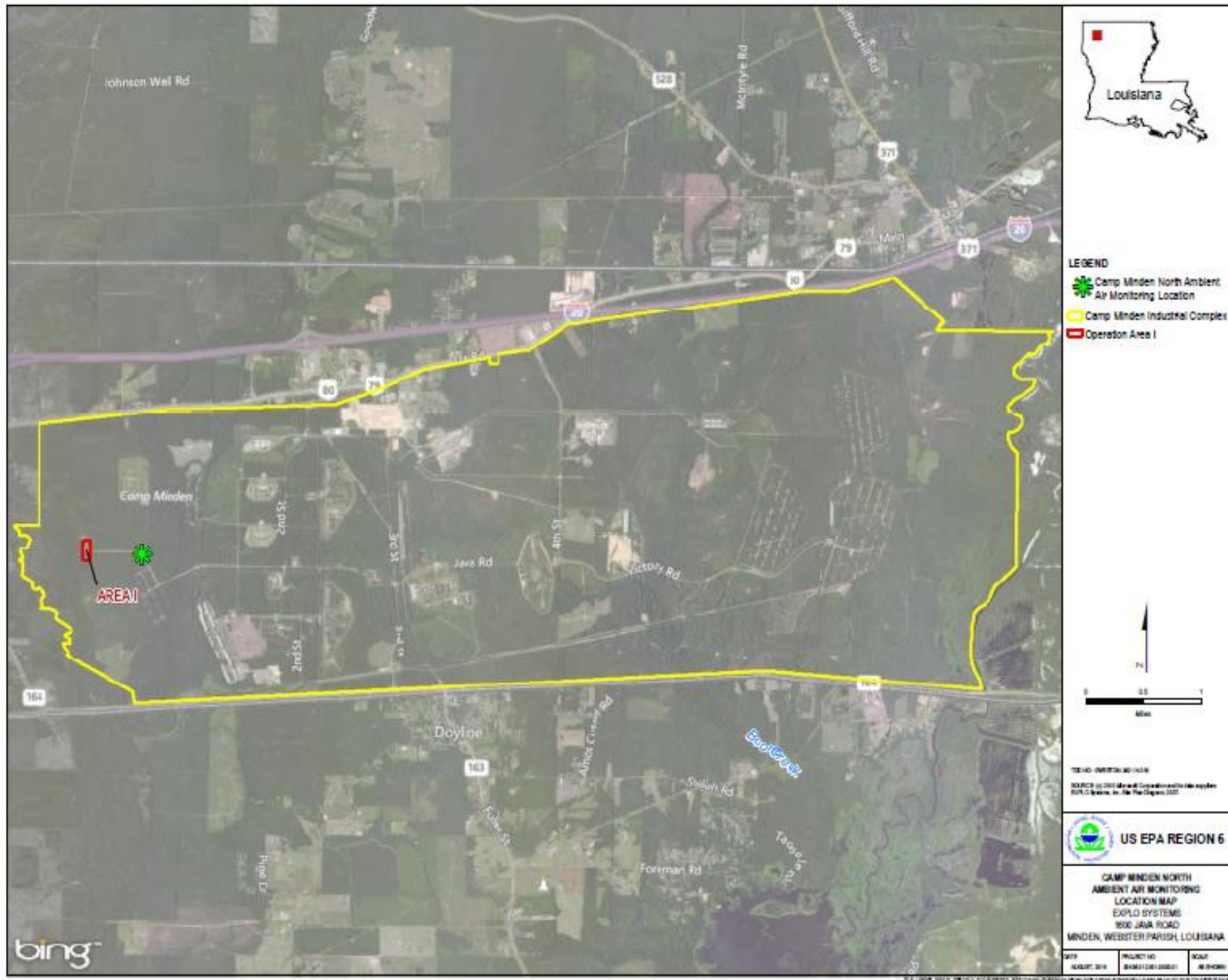
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

** The monitoring database has been validated for calendar day 01/11/17 (through 00:00 01/12/17 CST). All analyzers were operating normally except PM_{2.5}. The BAM readings were steady but appeared to be definitely elevated versus local readings. Remotely monitoring the timing of the concentration output at the hour showed the BAM clock to be off by approx. 1.5 minutes, which was producing high bias in the captured values. The clock will be adjusted, and data will be retrieved from the BAM on-board storage to reconstruct the biased data; the change will affect data retroactive to when the clock drift became enough to bias captured readings. Pending reconstruction, PM_{2.5} data were invalidated for the day.

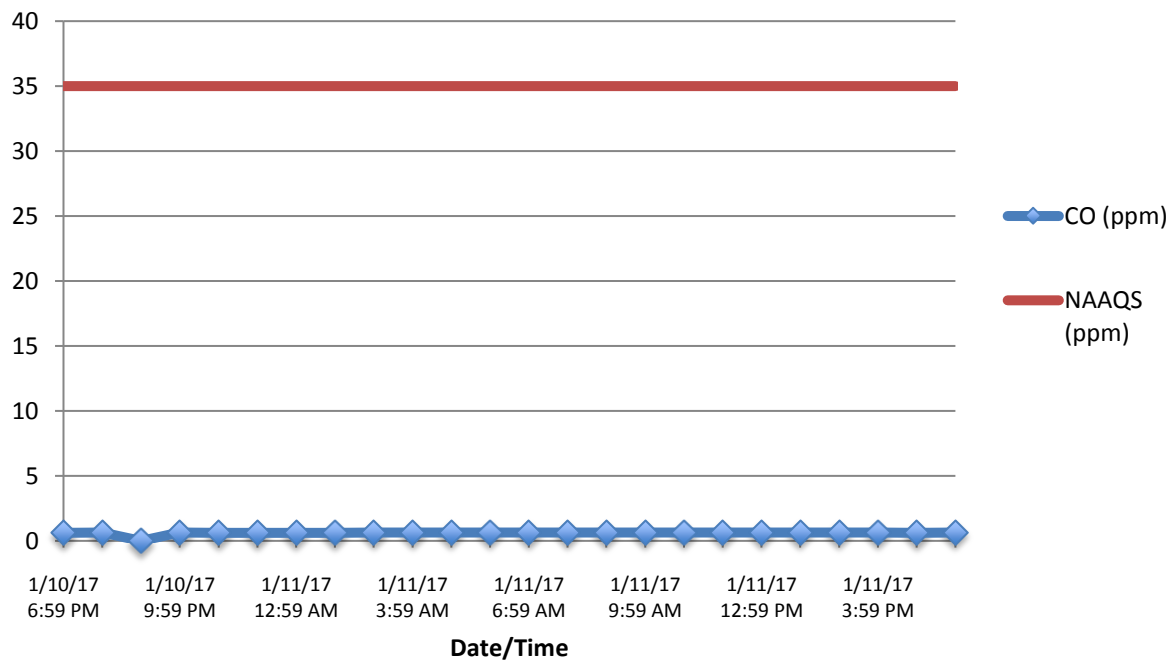
Summary for 11 January 2017 at Camp Minden Area I

Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.644	0.809	ppm	35 (1-hour)
CO2	465.1	472.7	ppm	For Monitoring Only
NO	0.4	10.4	ppb	For Monitoring Only
NO2	2.7	11.1	ppb	100 (1-hour)
NOX	3.1	20.1	ppb	100 (1-hour)
SO2	1.3	1.7	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	15	17.4	ug/m3	35 (24-hour)

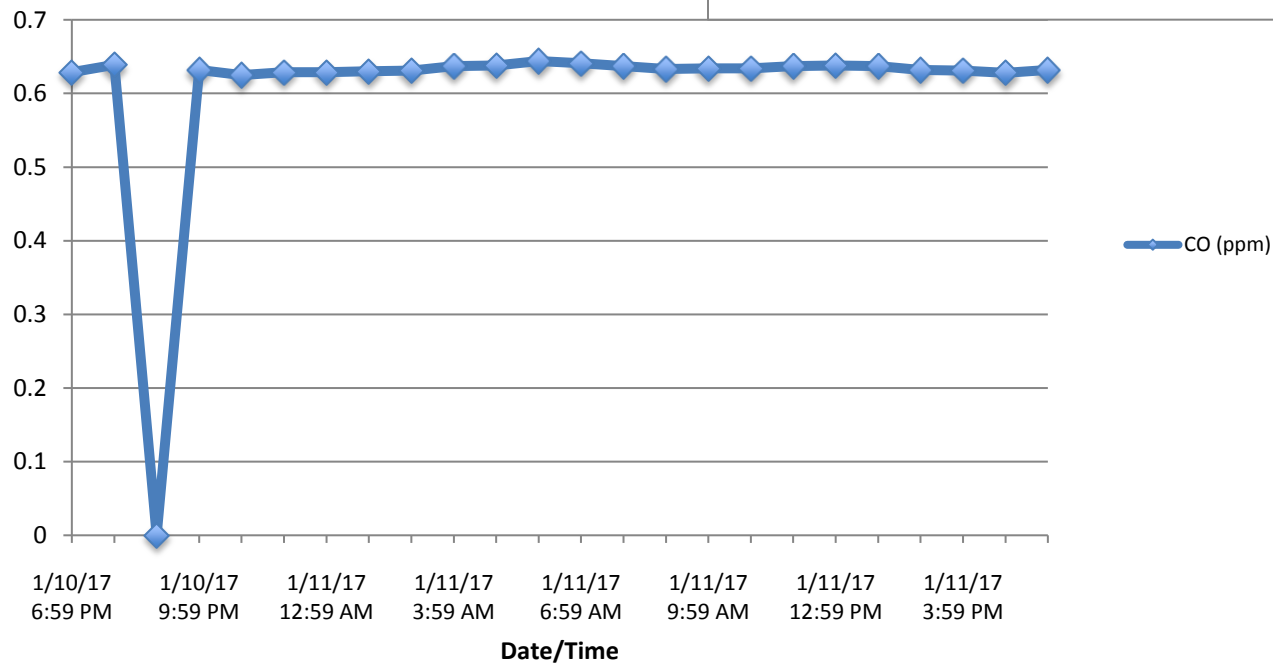
Camp Minden Area I Station Location Map for 11 January 2017



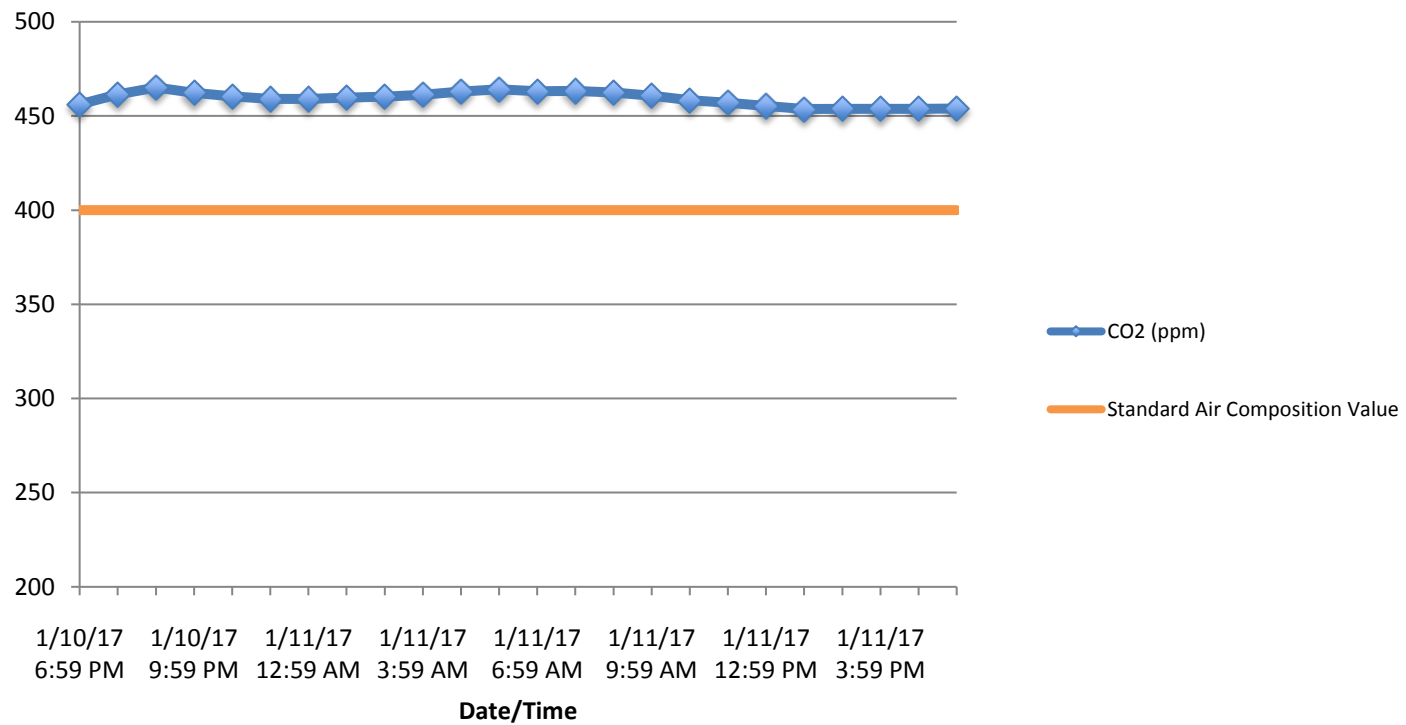
Hourly Averages CO (ppm)



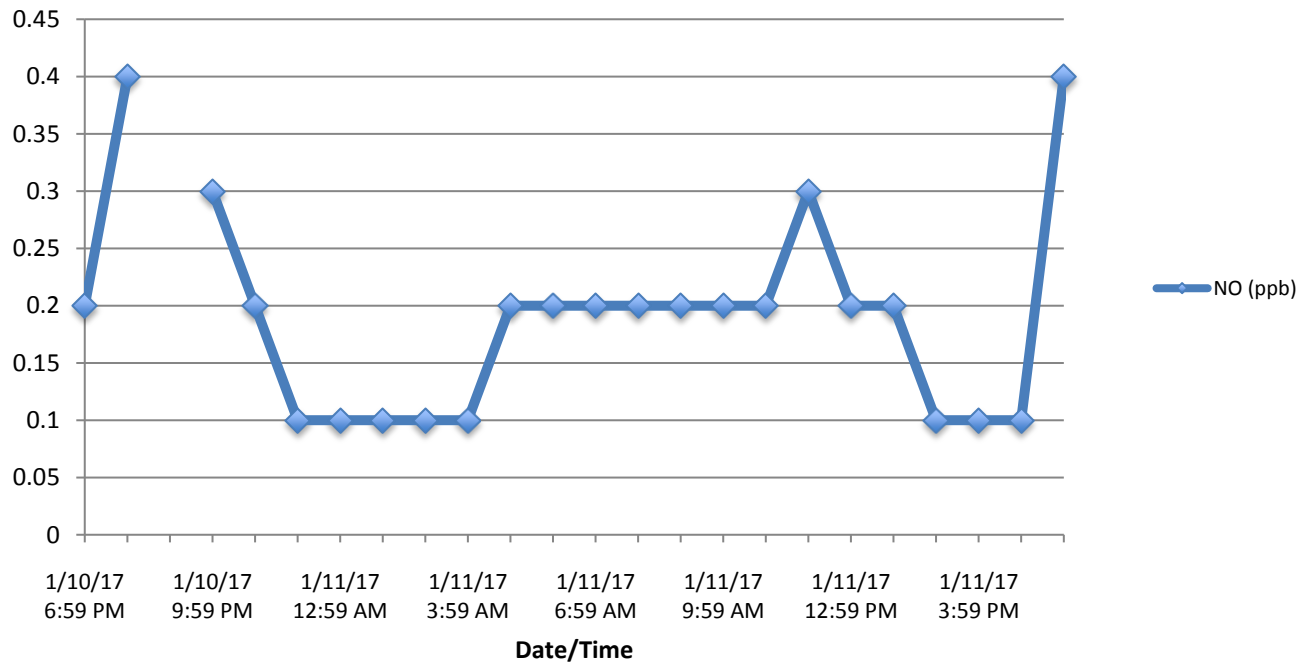
Hourly Averages CO (ppm) NAAQS 35 ppm



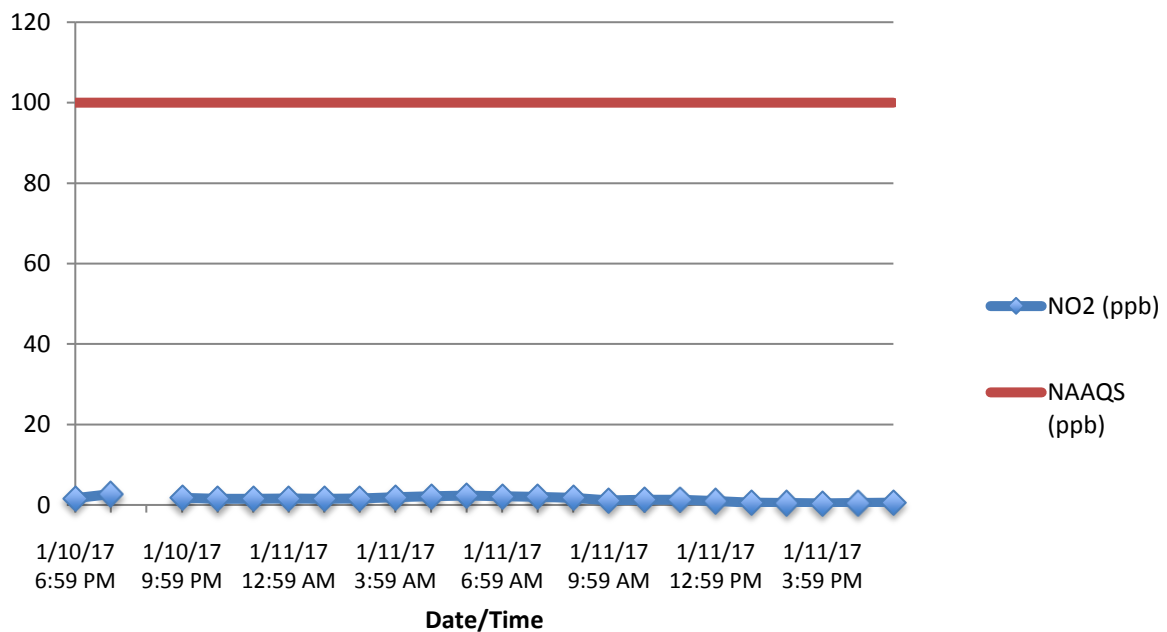
Hourly Averages CO2 (ppm) For Monitoring Only



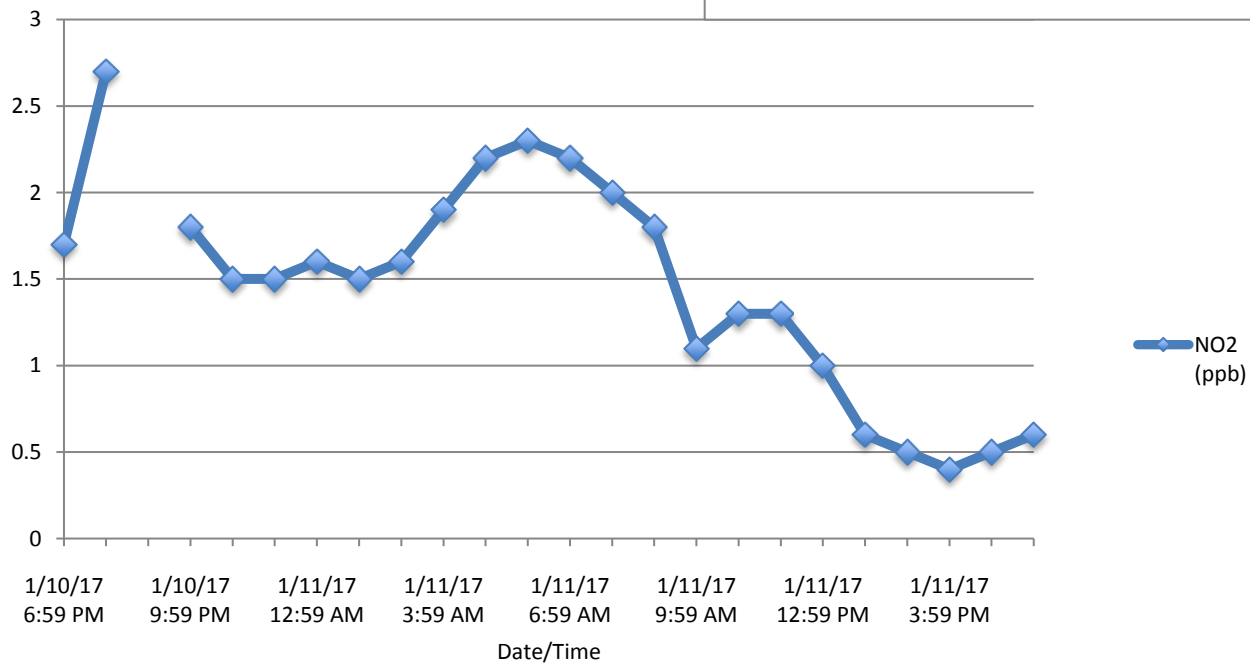
Hourly Averages NO (ppb) For Monitoring Only



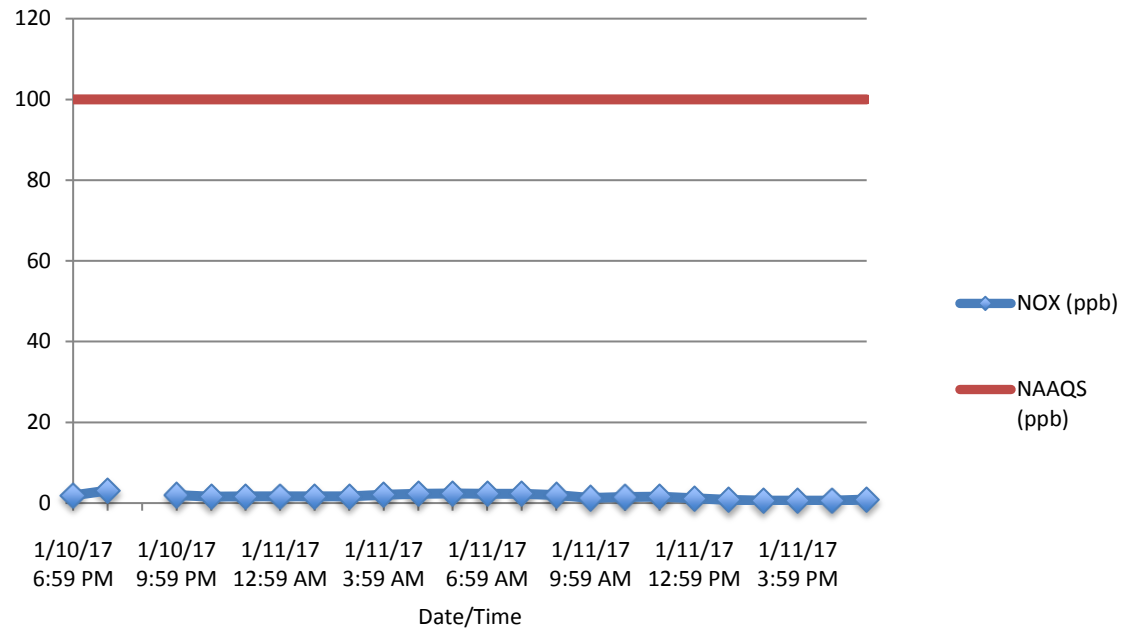
Hourly Averages NO2 (ppb)



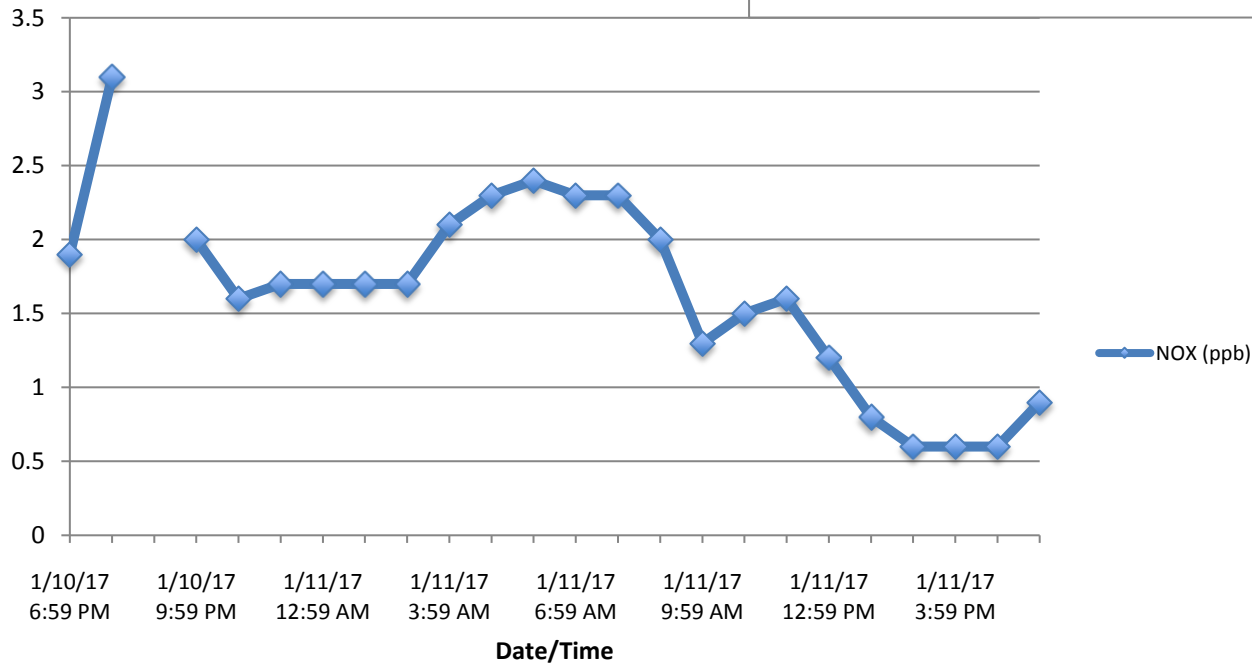
Hourly Averages NO2 (ppb) NAAQS 100 ppb



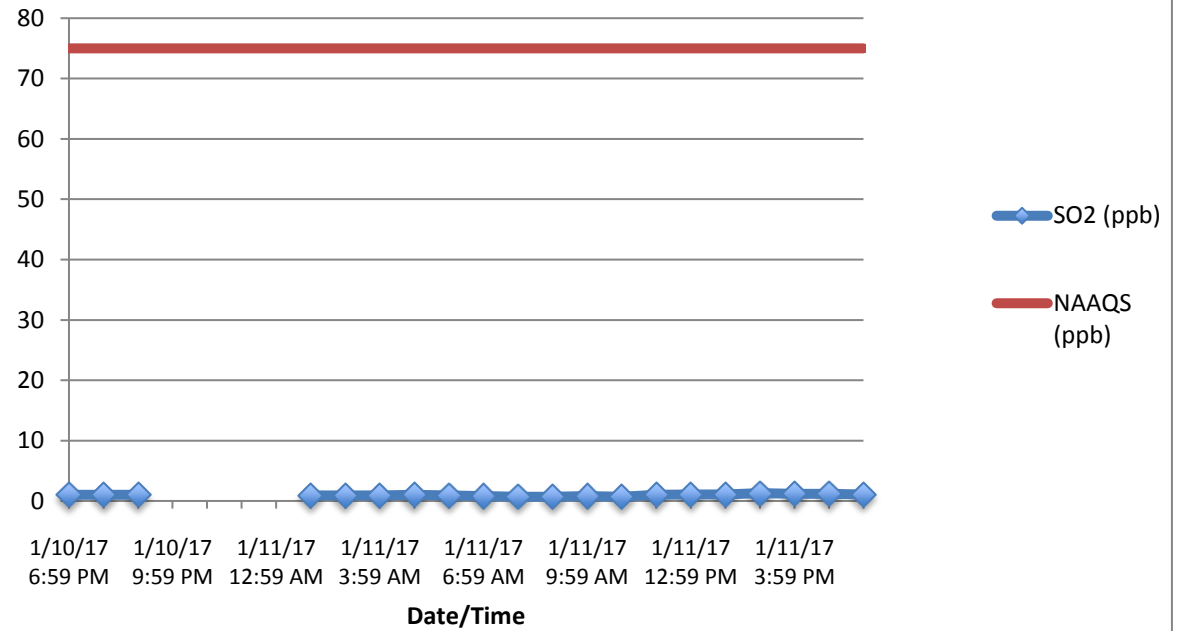
Hourly Averages NOX (ppb)



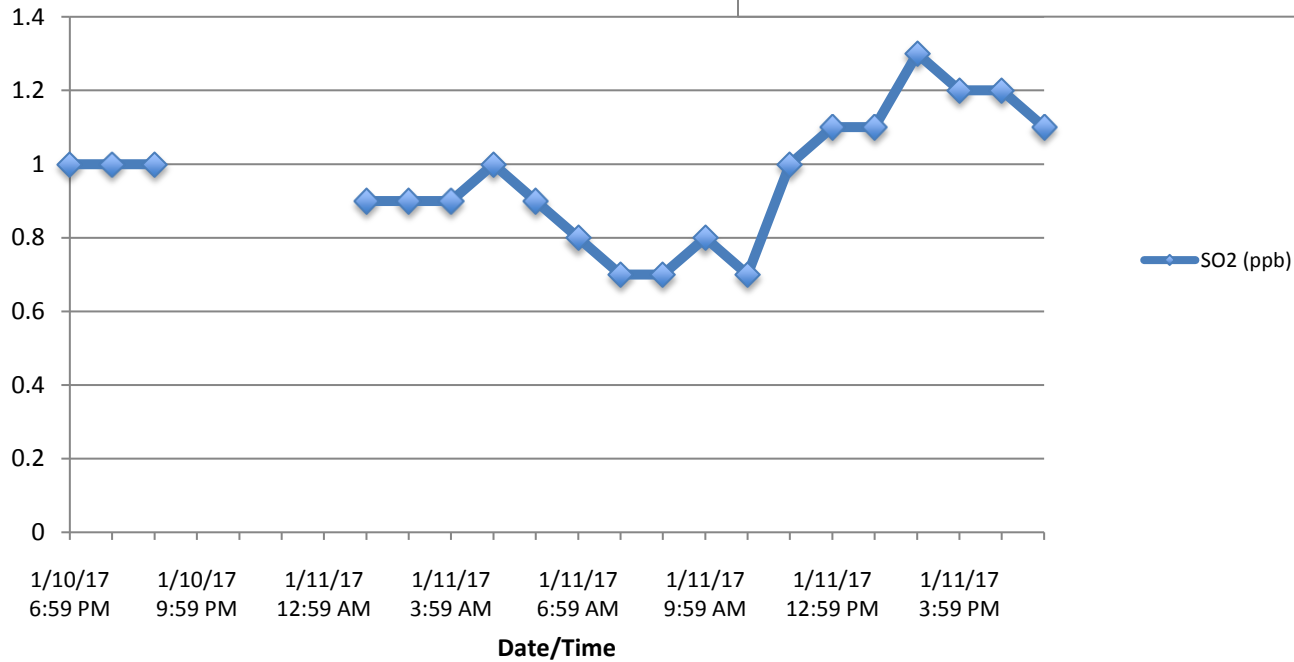
Hourly Averages NOX (ppb) NAAQS 100 ppb



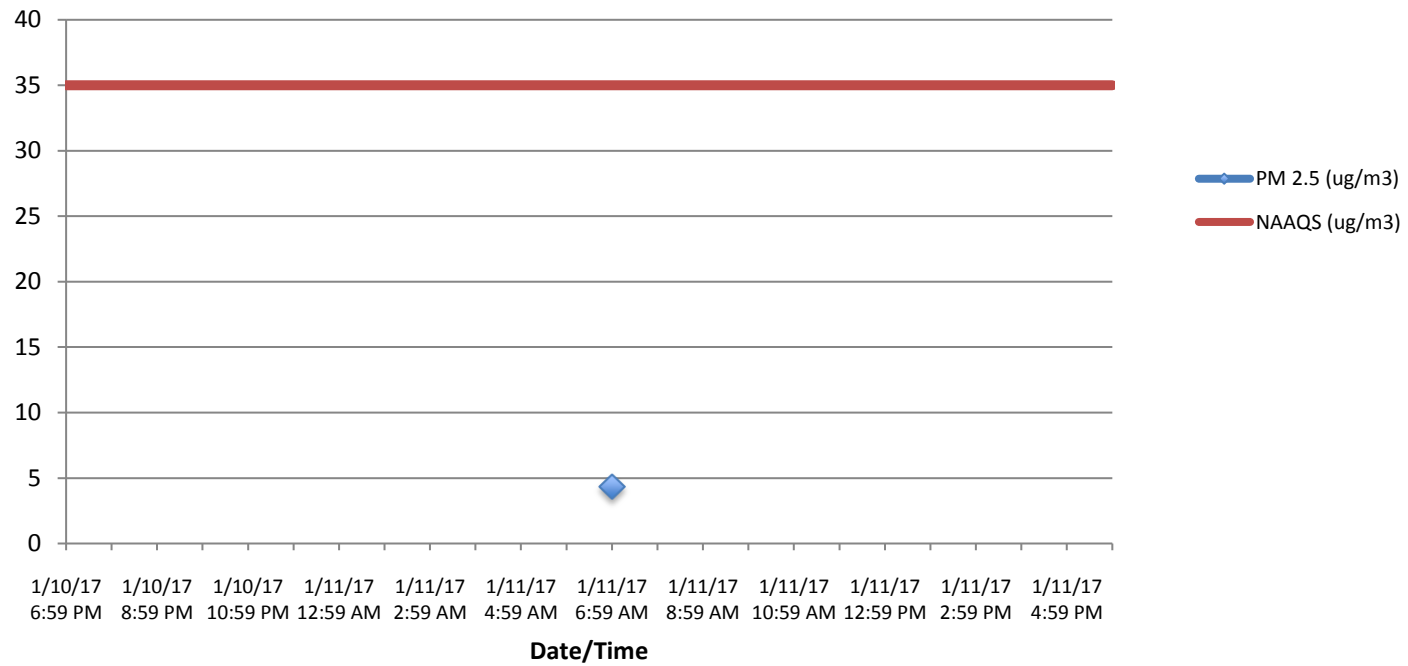
Hourly Averages SO2 (ppb)



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)

