

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden Area I

Start Time: 12-3-2016 1800 - End Time: 12-4-2016 1800

December 4, 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 December 3, 2016 1800 through December 4, 2016, 2016 1800
- 2 Highest measurement of each analyte from December 3, 2016 1800 through December 4, 2016 1800

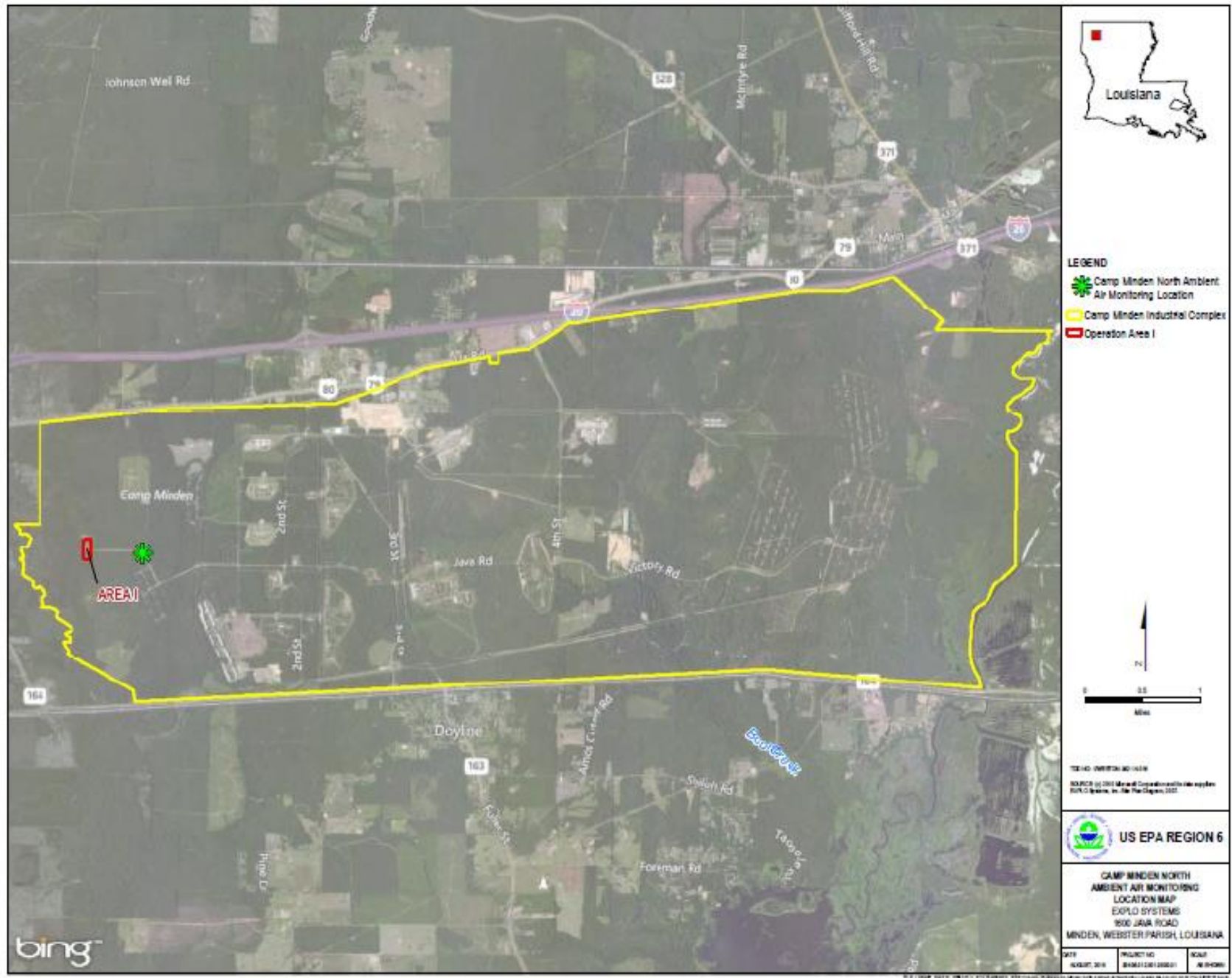
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

** The monitoring database has been validated for calendar day 12/04/16 (through 00:00 12/05/16 CST). All analyzers were operating normally. The elevated BAM concentrations were identified as being due to the BAM clock falling out of synchronization. The PM_{2.5} data for 12/4 were invalidated temporarily. Clock will be resynchronized; backup data on-board the BAM 1020 will be downloaded and used to replace prior data that has been affected by the clock drift. The logger was reset at 0701 CST to clear Modbus communications. The weather station deep cycle battery was replaced at 0743 CST.

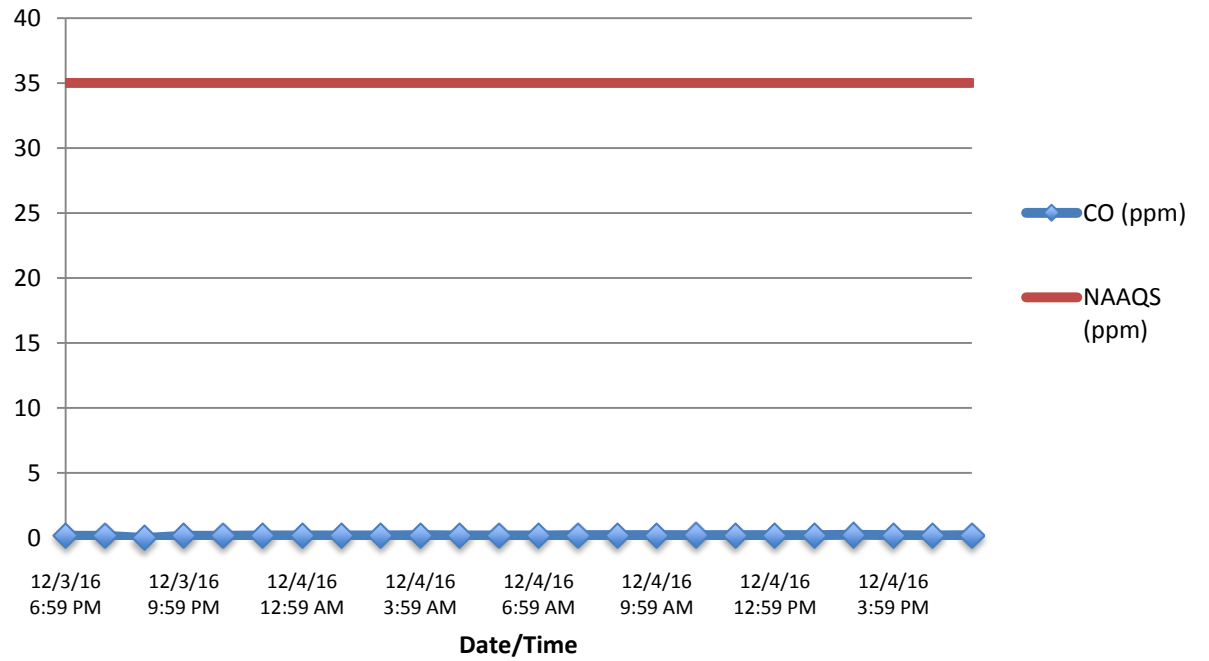
Summary for 4 December 2016 at Camp Minden Area I

Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.233	1.177	ppm	35 (1-hour)
CO ₂	472.6	475.2	ppm	For Monitoring Only
NO	0.8	17.3	ppb	For Monitoring Only
NO ₂	1.2	6.9	ppb	100 (1-hour)
NO _X	2	23.3	ppb	100 (1-hour)
SO ₂	0.5	0.9	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	31.9	39.5	ug/m ³	35 (24-hour)

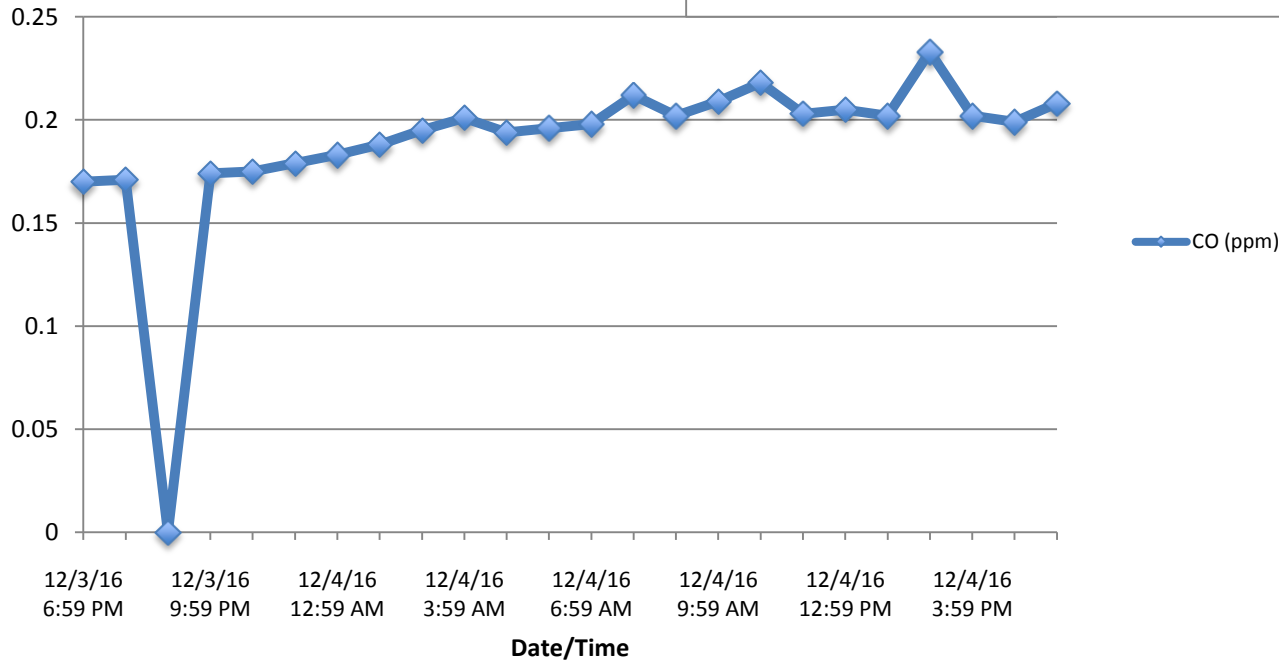
Camp Minden Area I Station Location Map for 4 December 2016



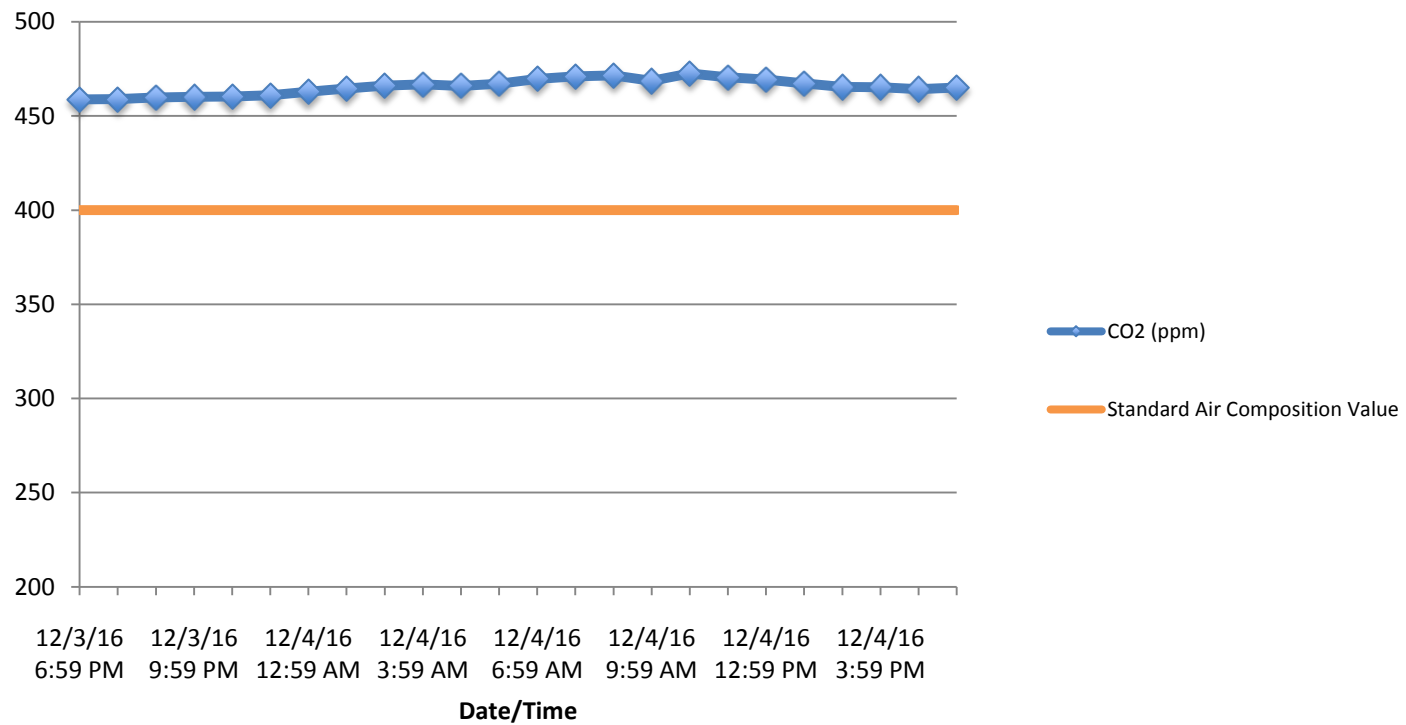
Hourly Averages CO (ppm)



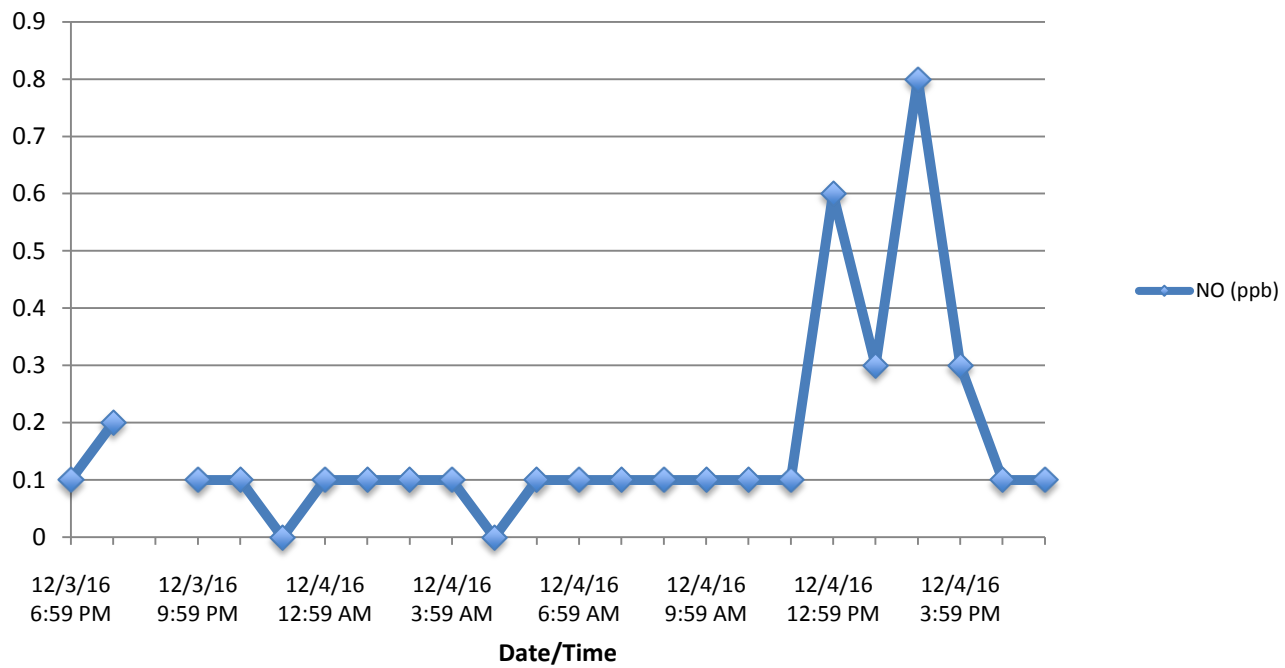
Hourly Averages CO (ppm) NAAQS 35 ppm



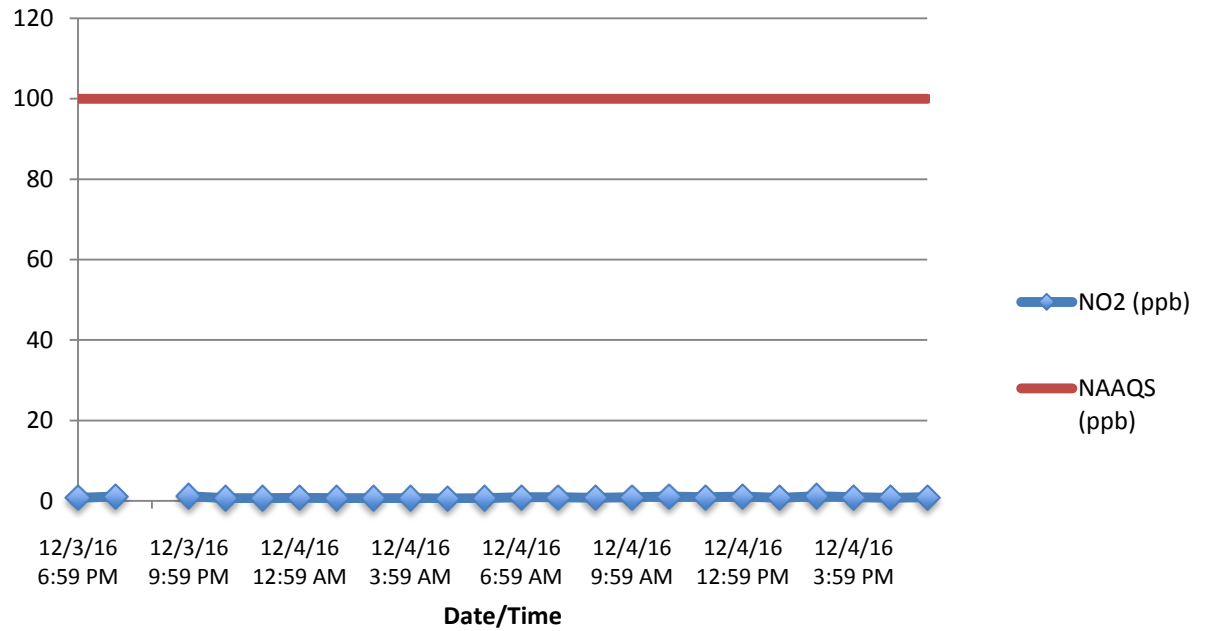
Hourly Averages CO2 (ppm) For Monitoring Only



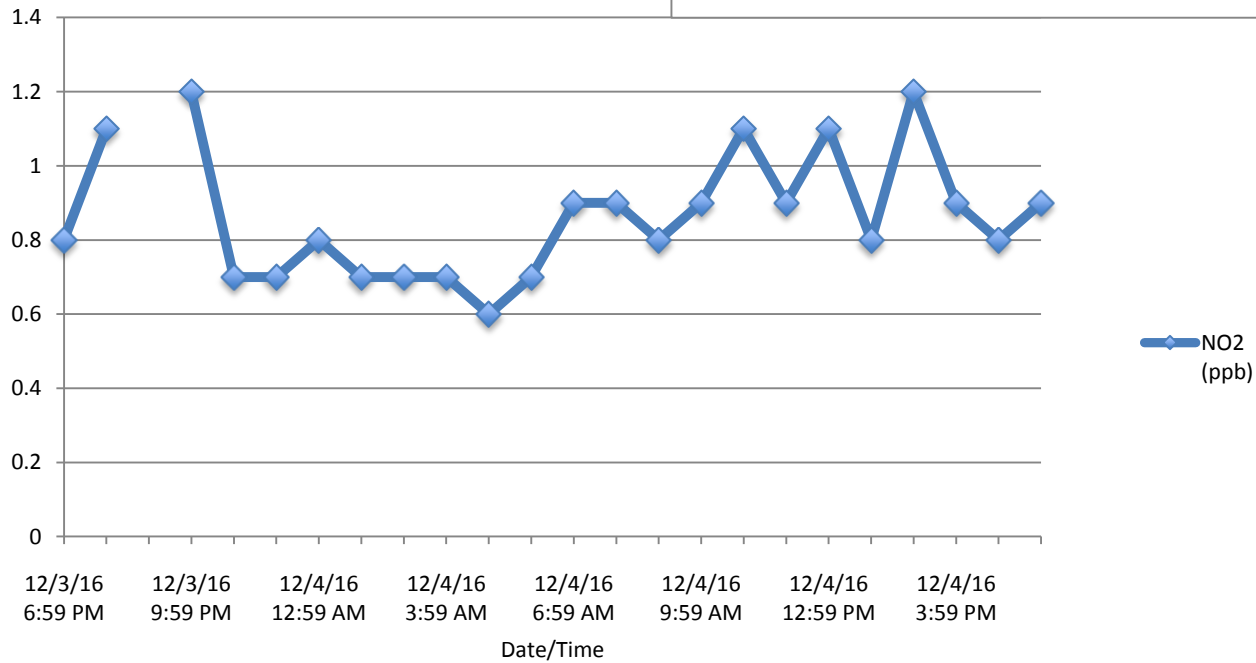
Hourly Averages NO (ppb) For Monitoring Only



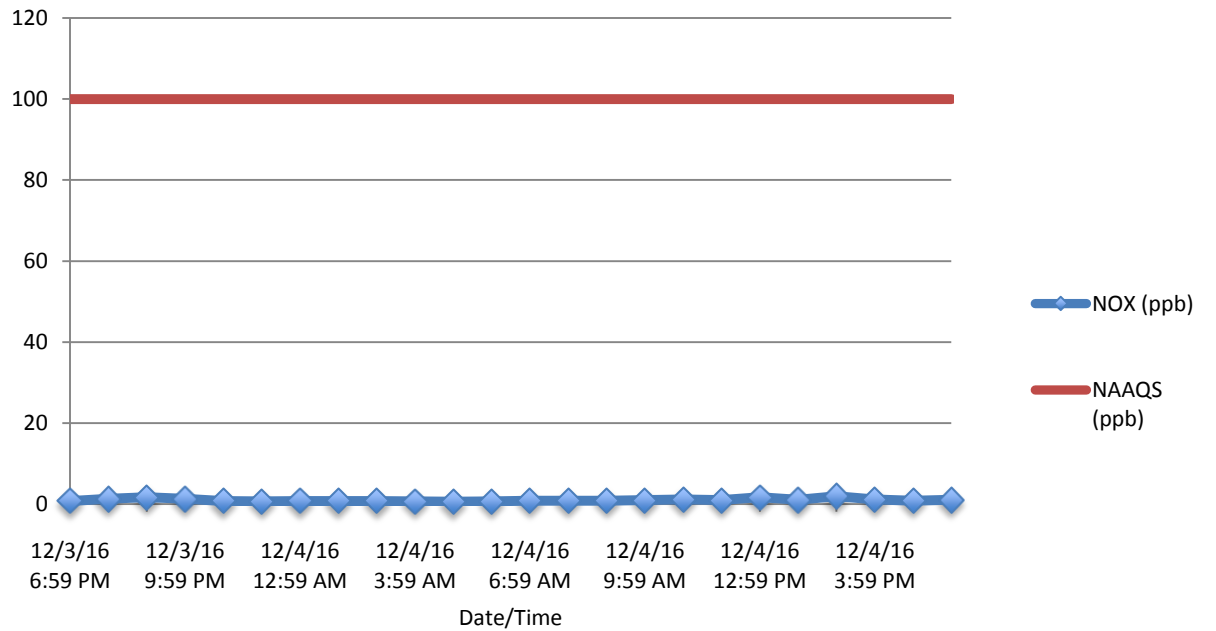
Hourly Averages NO2 (ppb)



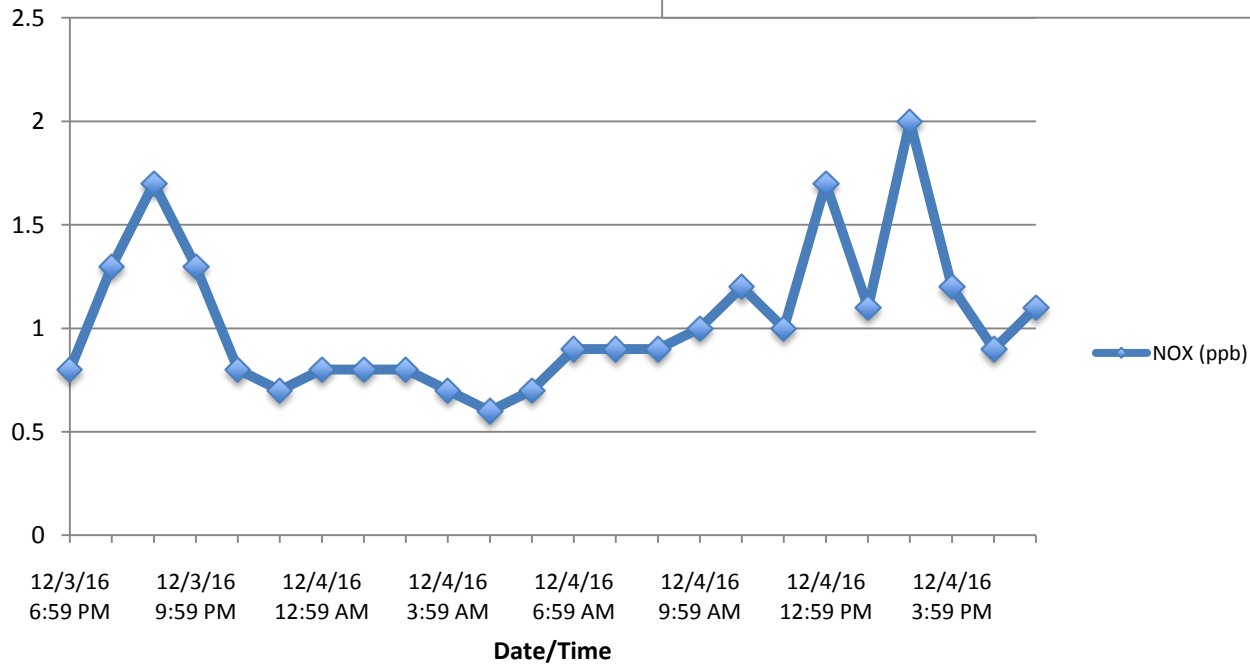
Hourly Averages NO2 (ppb) NAAQS 100 ppb



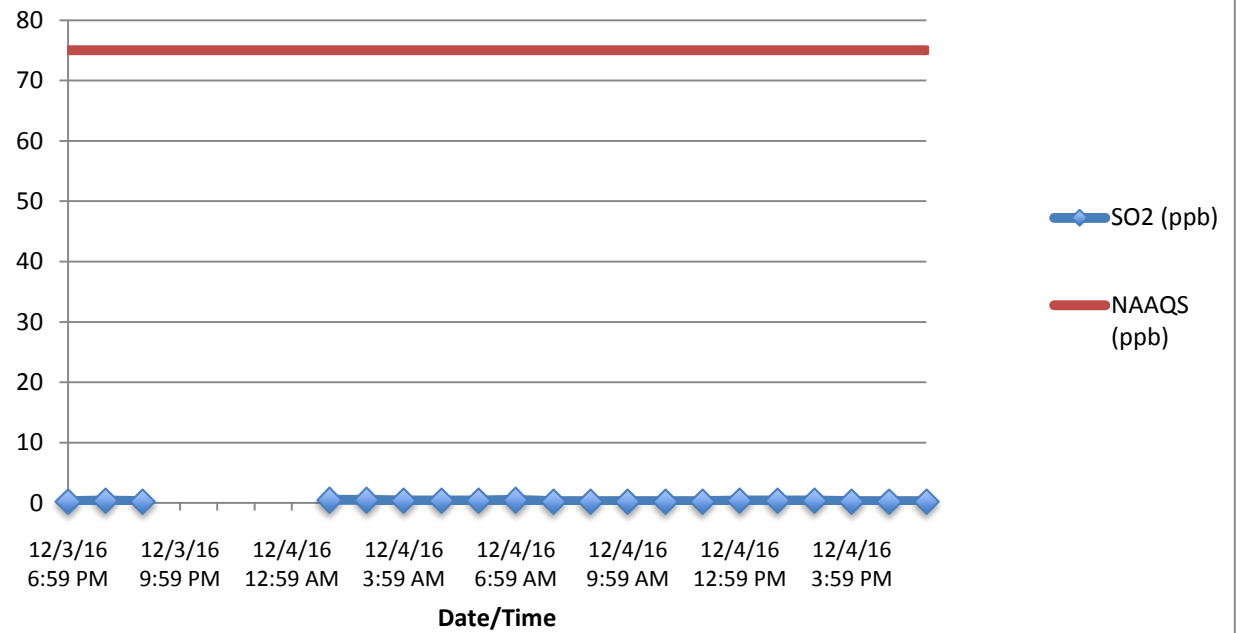
Hourly Averages NOX (ppb)



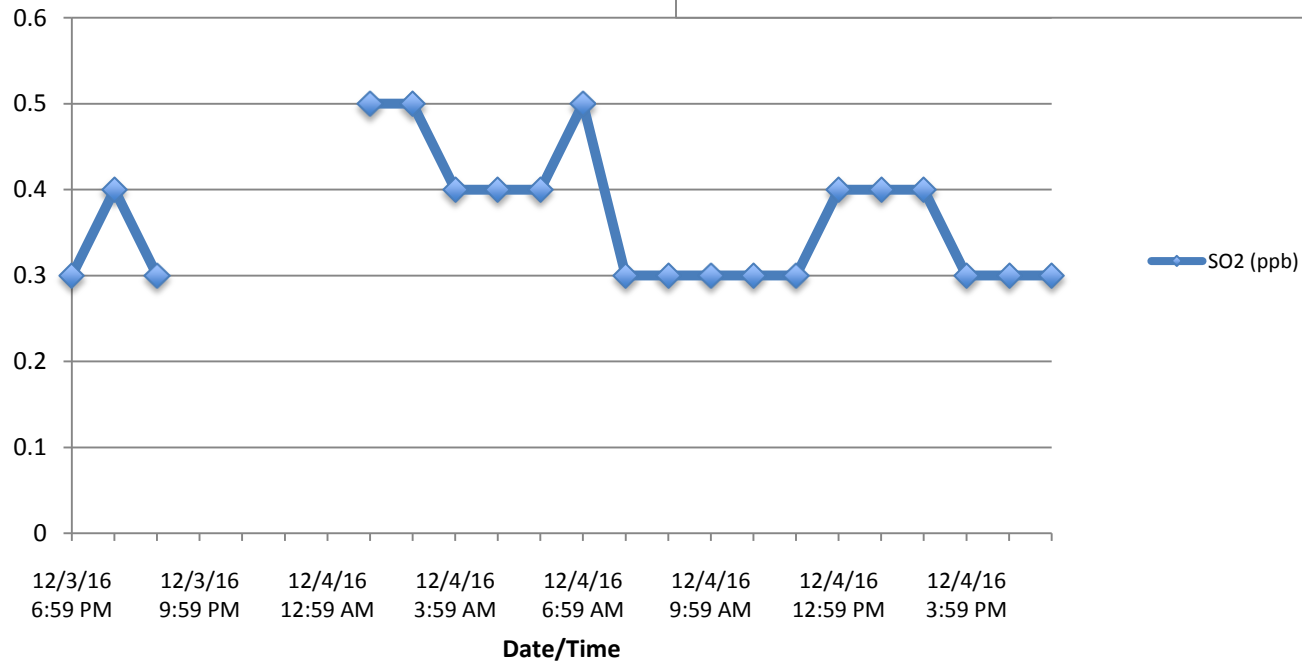
Hourly Averages NOX (ppb) NAAQS 100 ppb



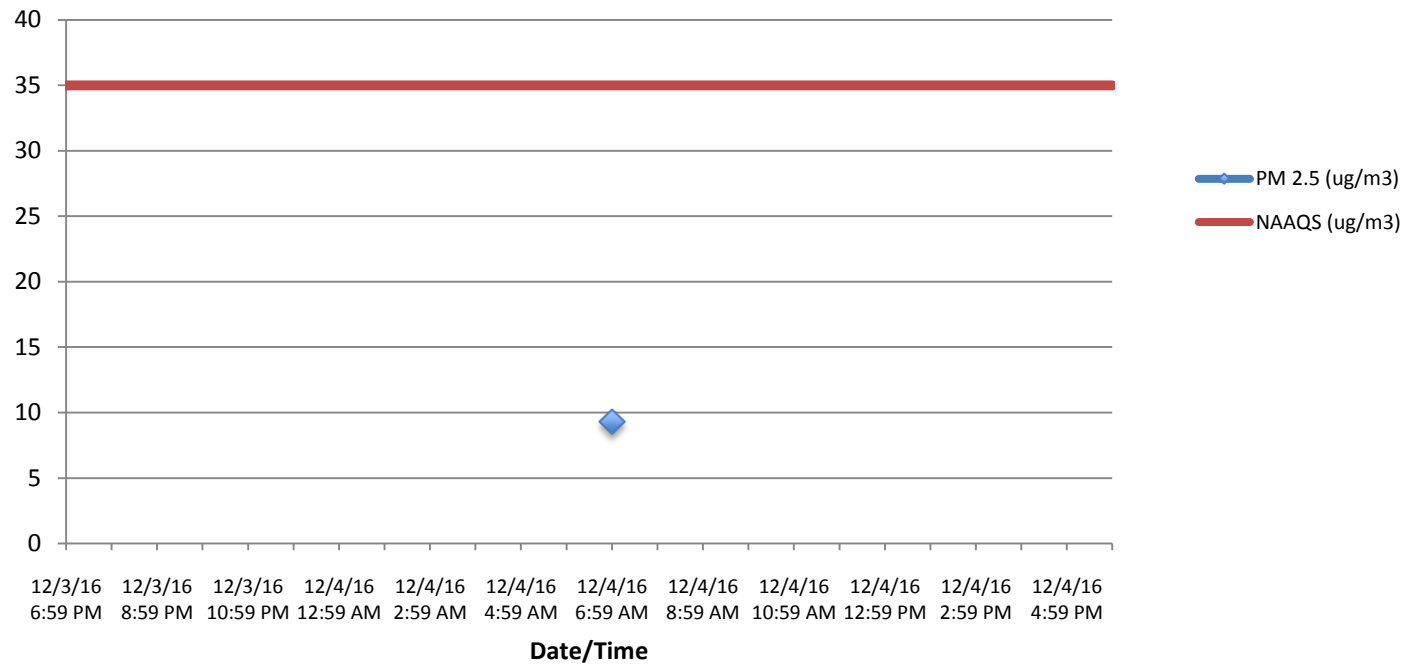
Hourly Averages SO2 (ppb)



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)

