

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden Area I

Start Time: 12-21-2016 1800 - End Time: 12-22-2016 1800

December 22, 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 21, 2016 1800 through December 22, 2016, 2016 1800
- 2 Highest measurement of each analyte from December 21, 2016 1800 through December 22, 2016 1800

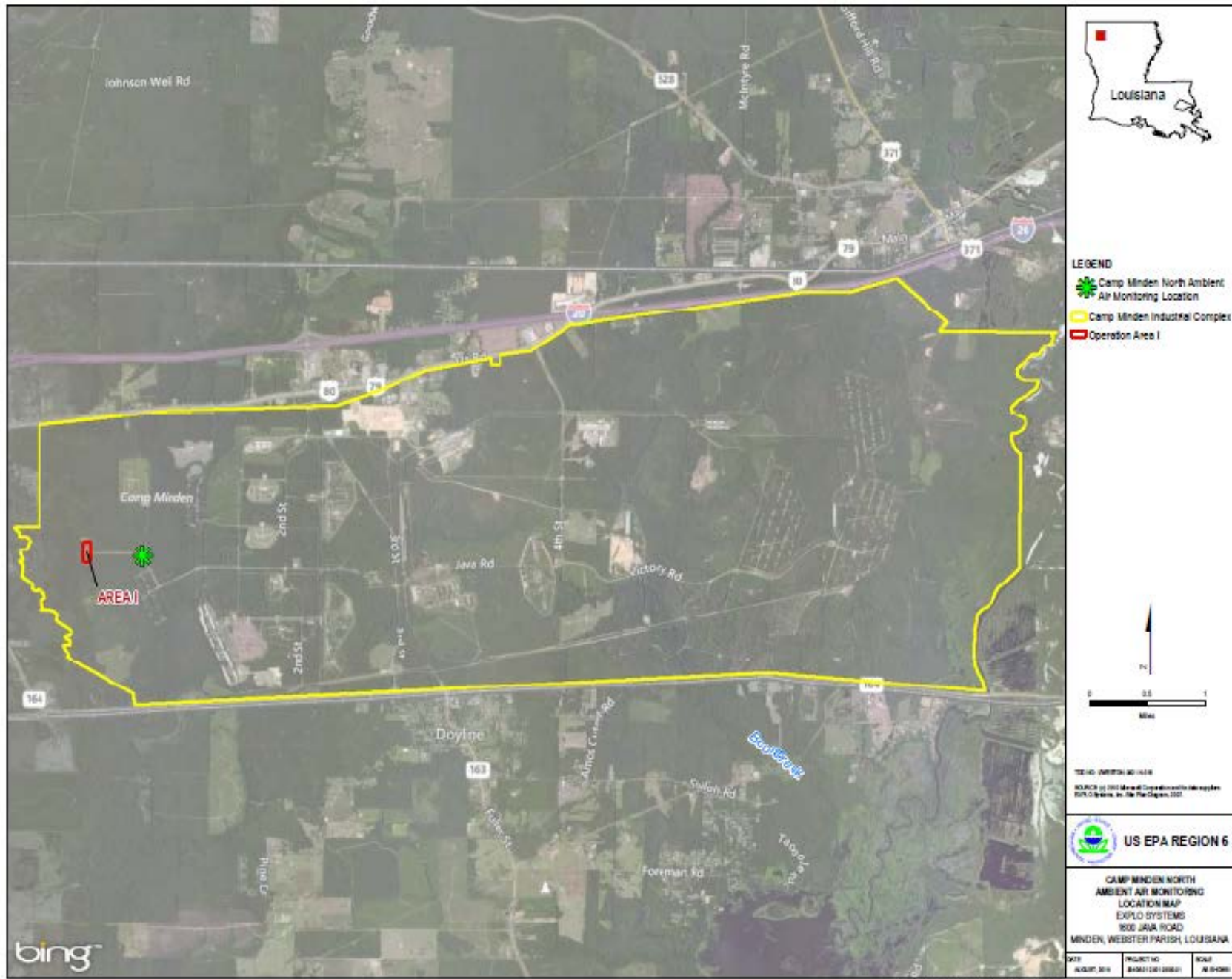
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

** The monitoring database has been validated for calendar day 12/22/16 (through 00:00 12/23/16 CST). All analyzers were operating normally. There was a period of elevated NO_x concentrations from 0552 – 0816 CST. The main elevated pollutant was NO, which had a 1-minute peak of 47.5 ppb at 0652 CST; NO₂ remained below 10 ppb during the period. The peak 1-hour NO_x concentration was 18.1 ppb at 0700 CST. CO had a momentary 1-minute peak to 2.5 ppm at 0553 CST, and was generally no more than 0.1 ppm above baseline during the period. SO₂ remained at baseline during the period. Winds were very light (< 2 mph) for most of the period, with variable directions; wind directions fell mostly from the northeast quadrant.

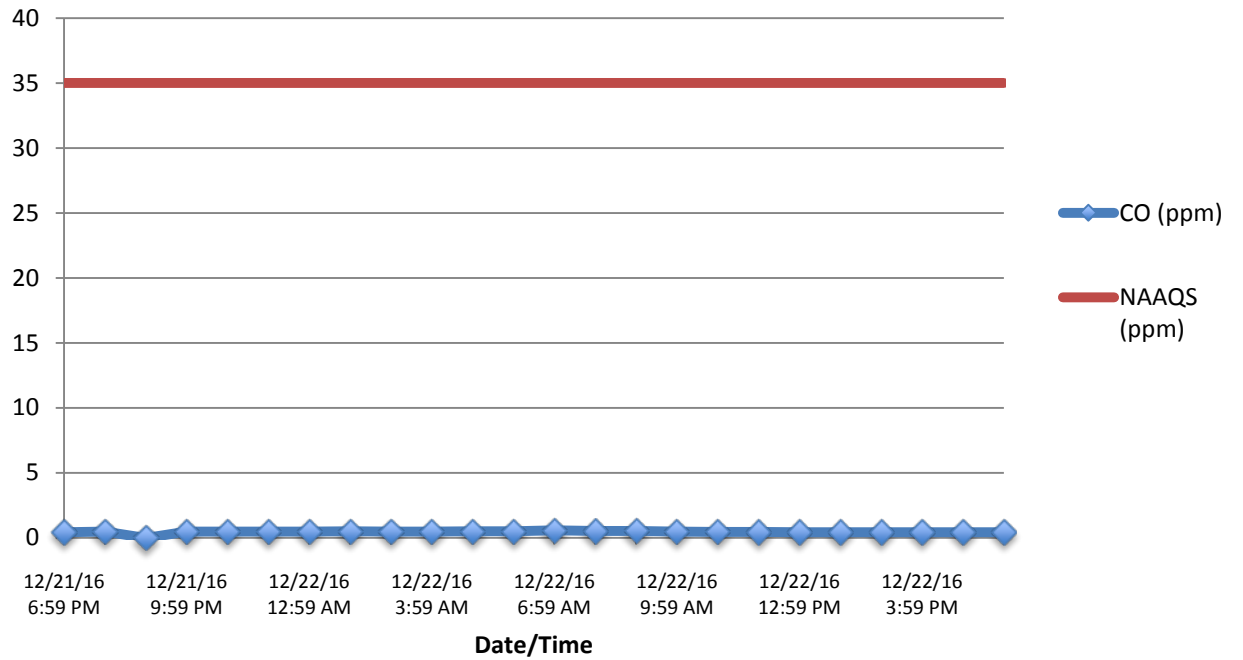
Summary for 22 December 2016 at Camp Minden Area I

Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.573	2.526	ppm	35 (1-hour)
CO2	574.8	602.3	ppm	For Monitoring Only
NO	12.6	40.1	ppb	For Monitoring Only
NO2	6.7	21.7	ppb	100 (1-hour)
NOX	18.1	47.5	ppb	100 (1-hour)
SO2	0.9	1.2	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	18.8	41.2	ug/m3	35 (24-hour)

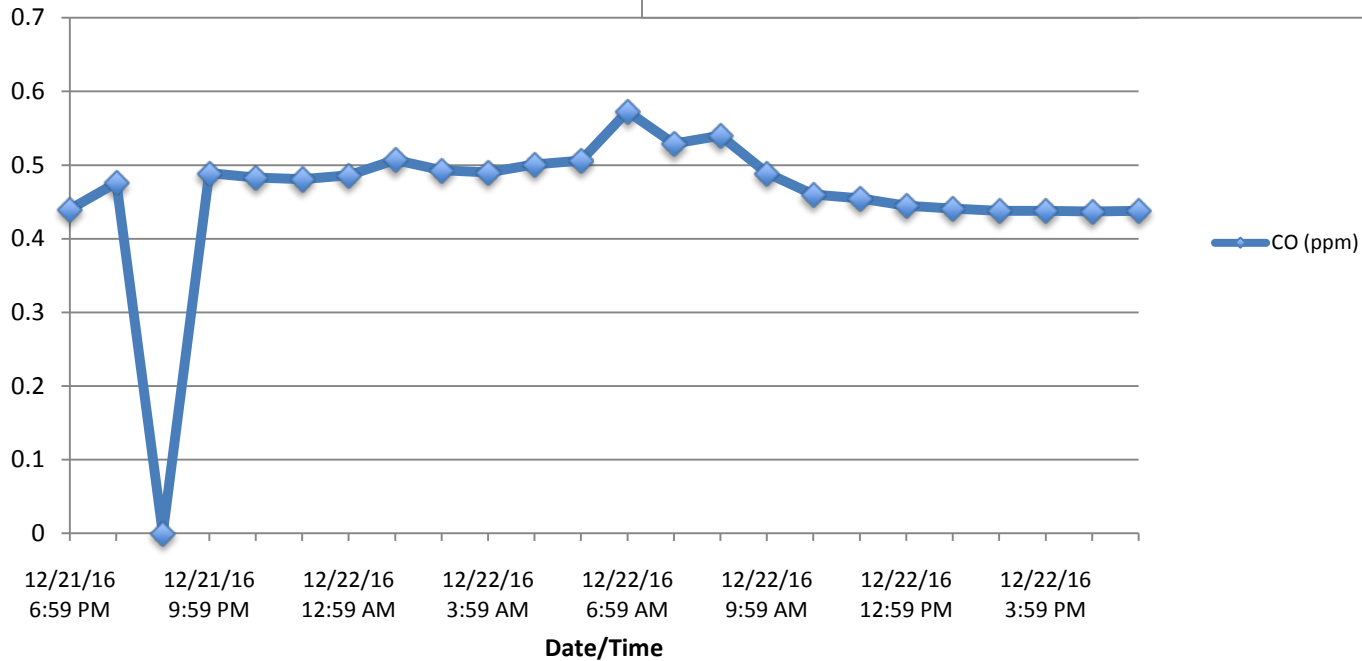
Camp Minden Area I Station Location Map for 22 December 2016



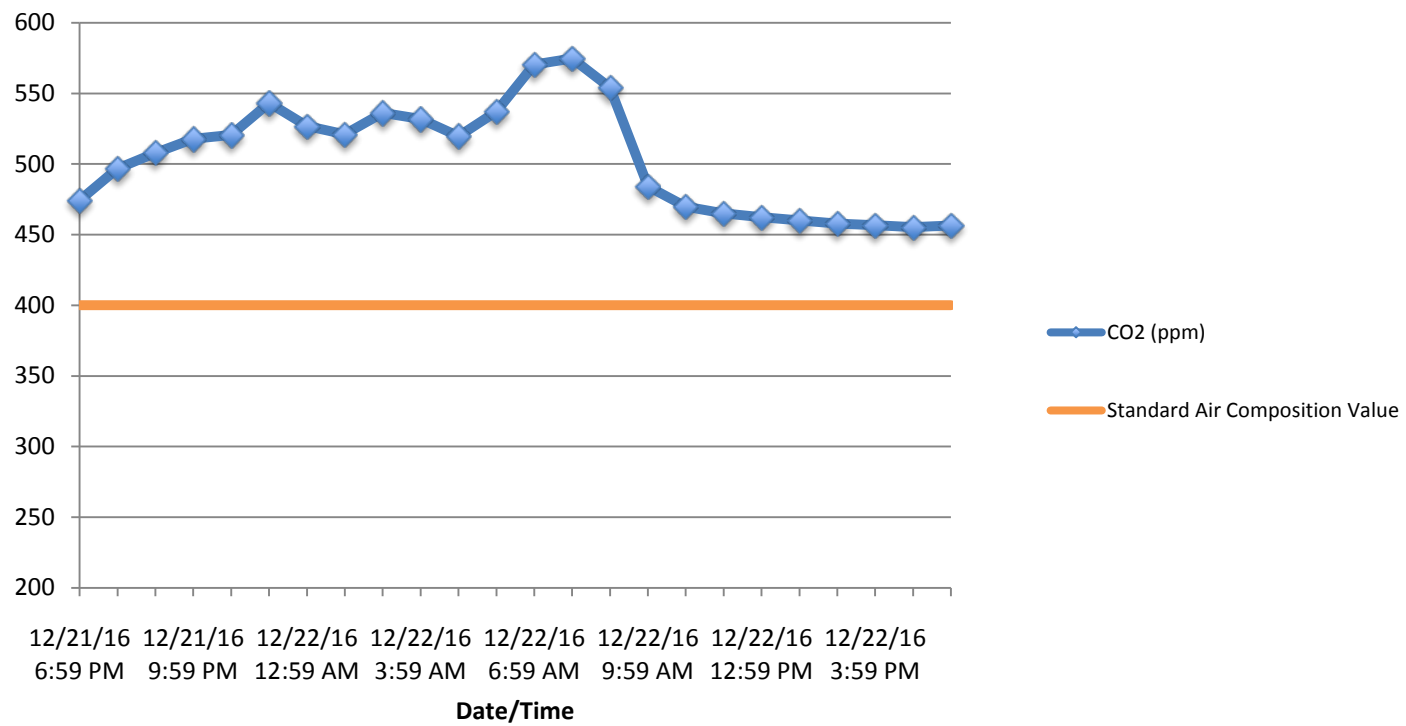
Hourly Averages CO (ppm)



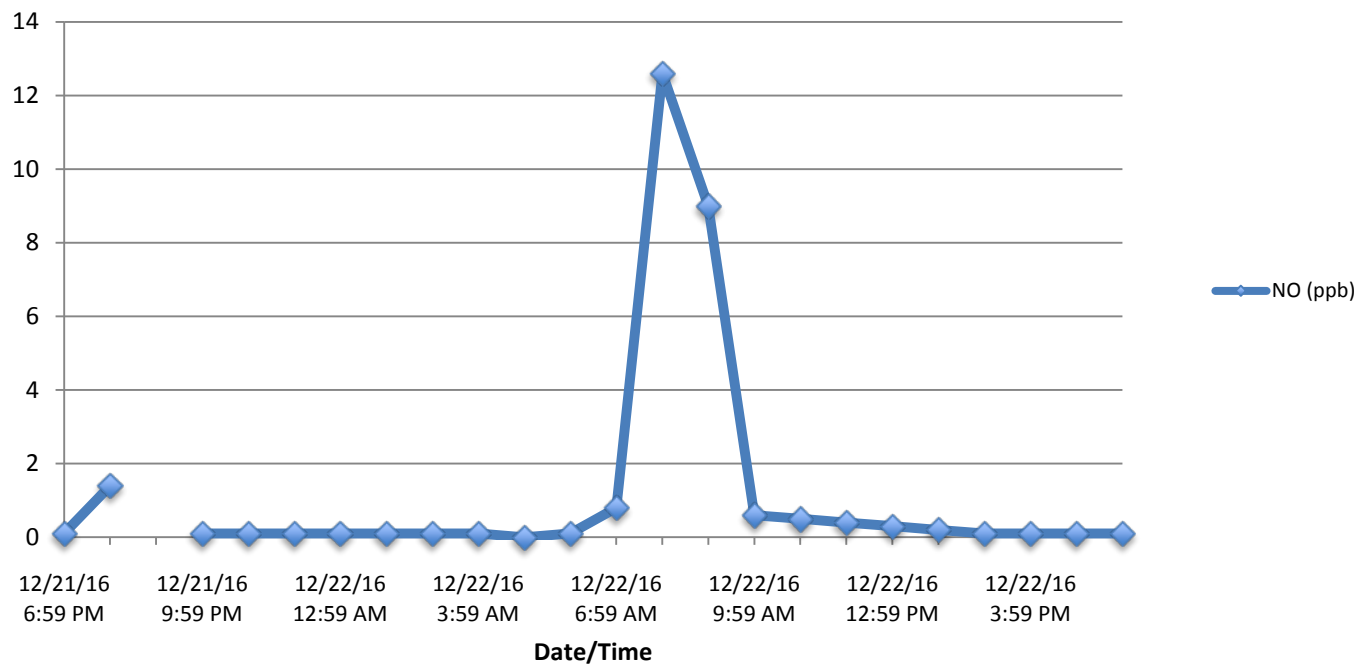
Hourly Averages CO (ppm) NAAQS 35 ppm



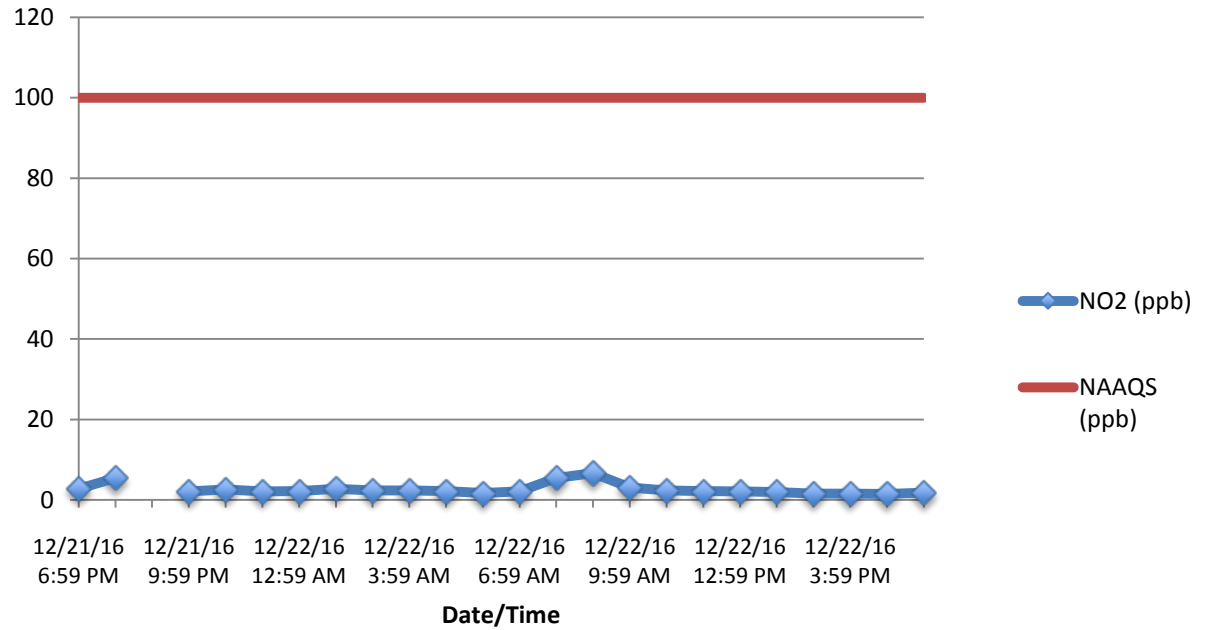
Hourly Averages CO2 (ppm) For Monitoring Only



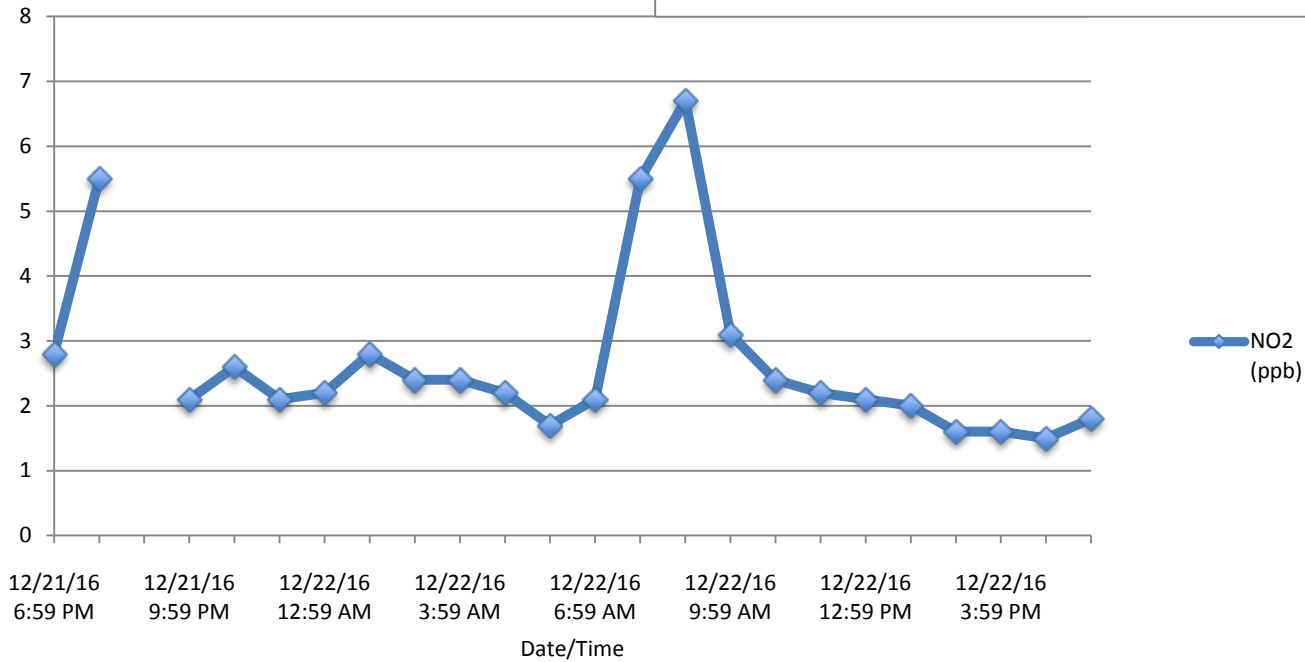
Hourly Averages NO (ppb) For Monitoring Only



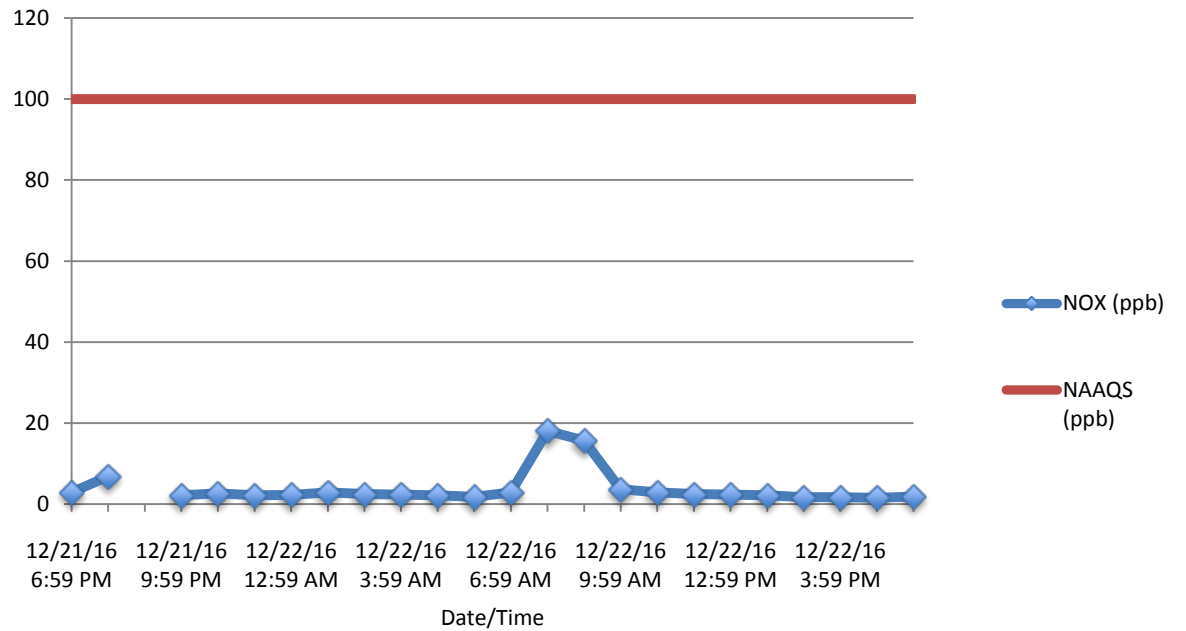
Hourly Averages NO2 (ppb)



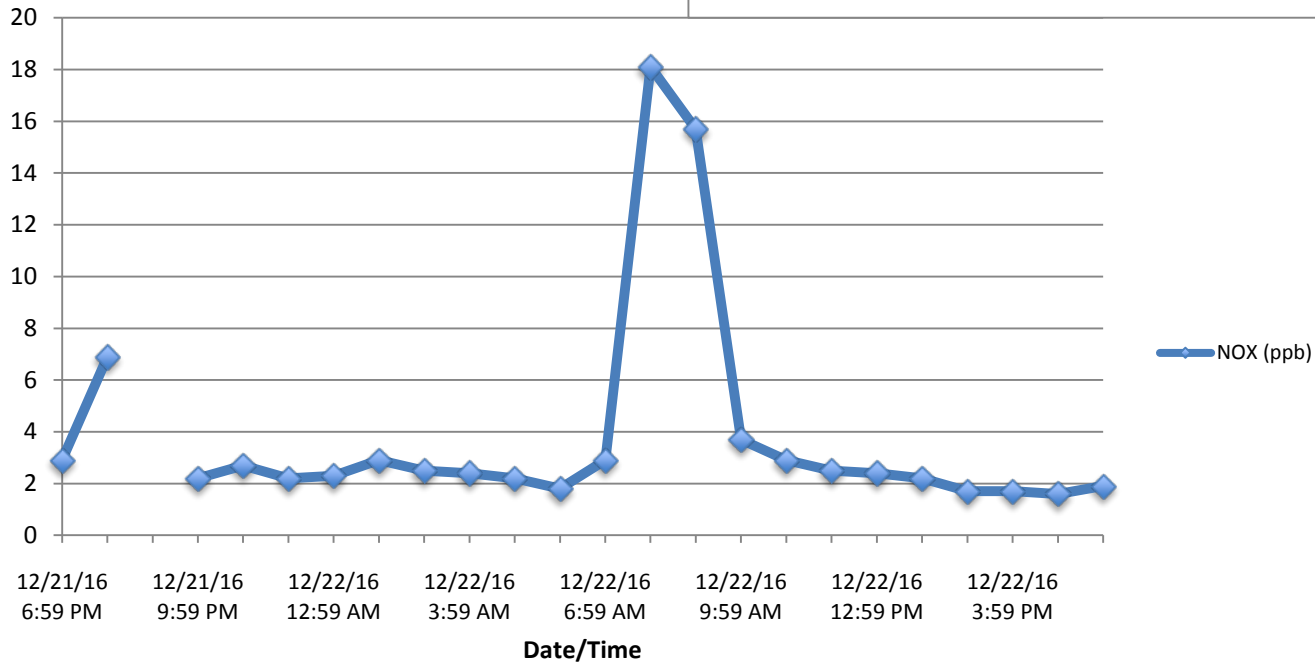
Hourly Averages NO2 (ppb) NAAQS 100 ppb



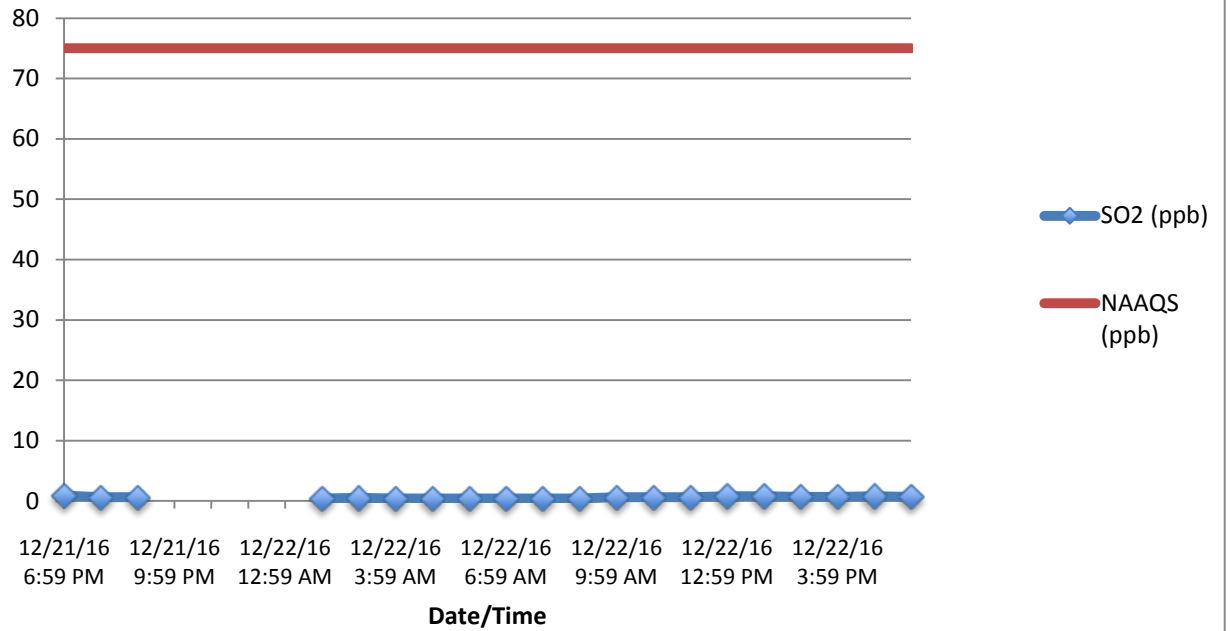
Hourly Averages NOX (ppb)



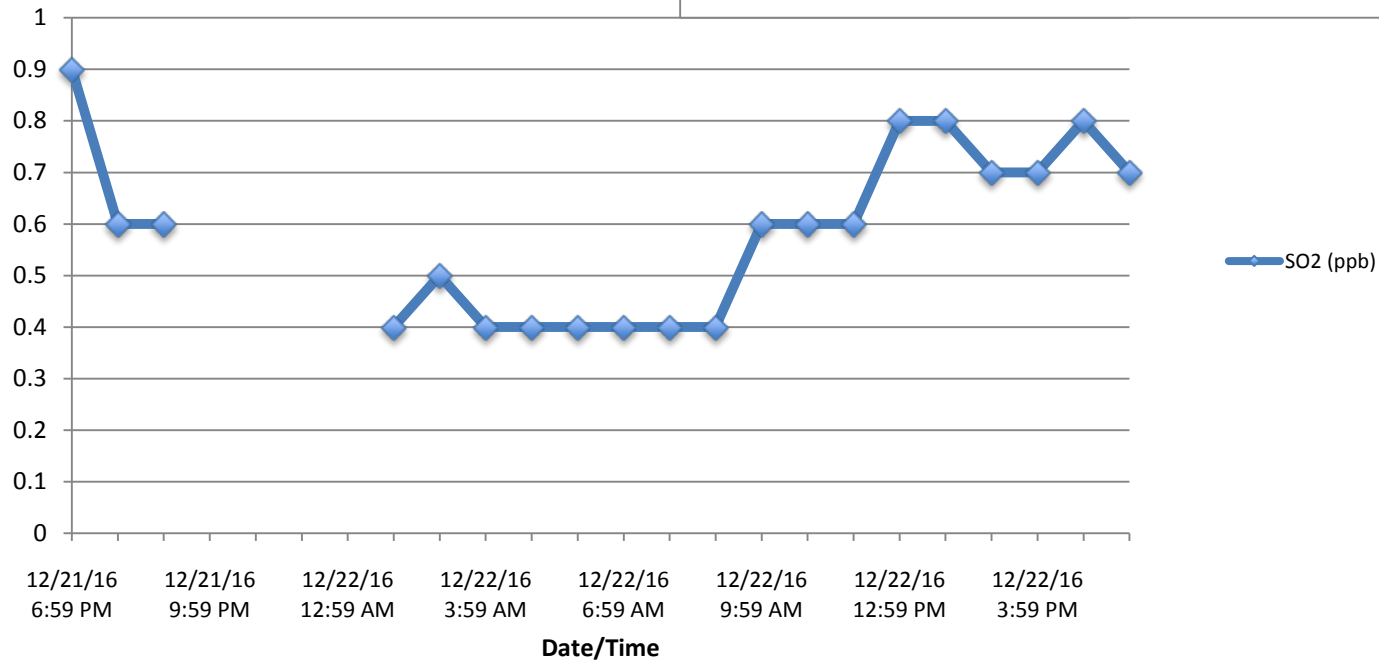
Hourly Averages NOX (ppb) NAAQS 100 ppb



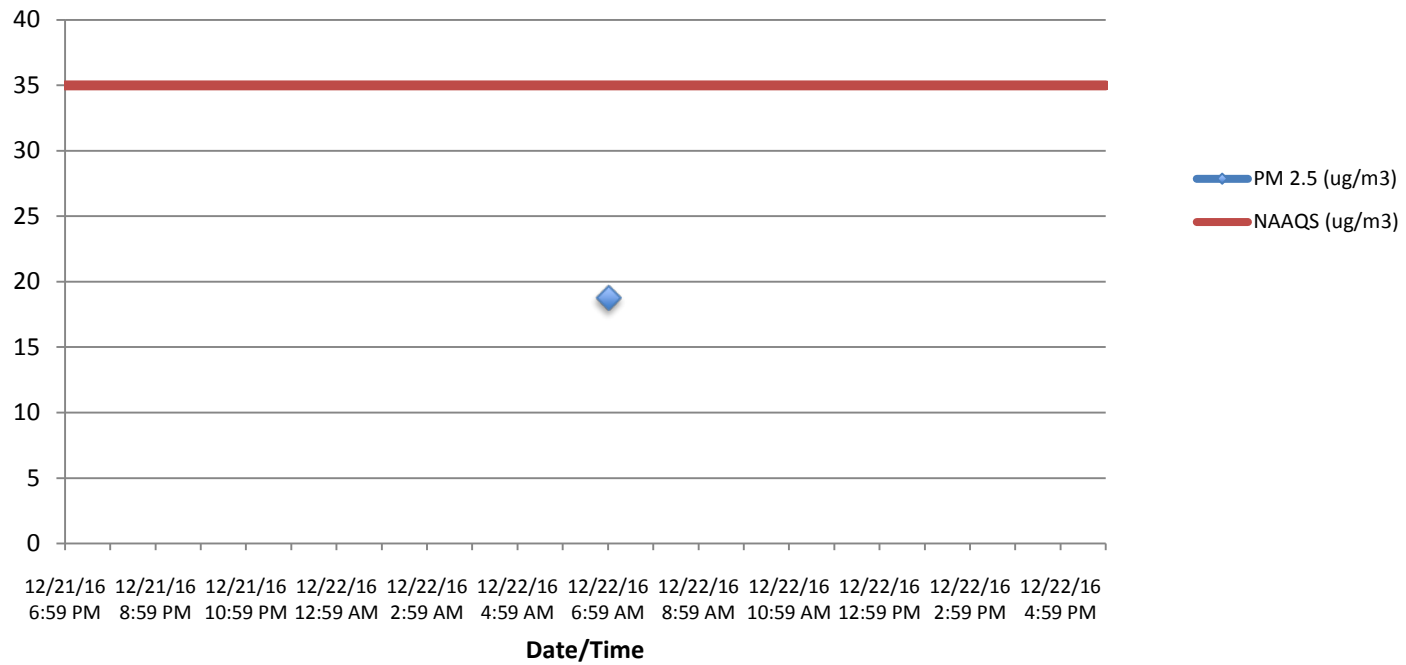
Hourly Averages SO2 (ppb)



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)

