

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden North
Start Time: 8-18-2016 1800 - End Time: 8-19-2016 1800

August 19, 2016 – EPA monitored for seven ambient air pollutants over a 24 hour period at the Camp Minden North 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 August 18, 2016 1800 through August 19, 2016, 2016 1800
- 2 Highest measurement of each analyte from August 18, 2016 1800 through August 19, 2016 1800

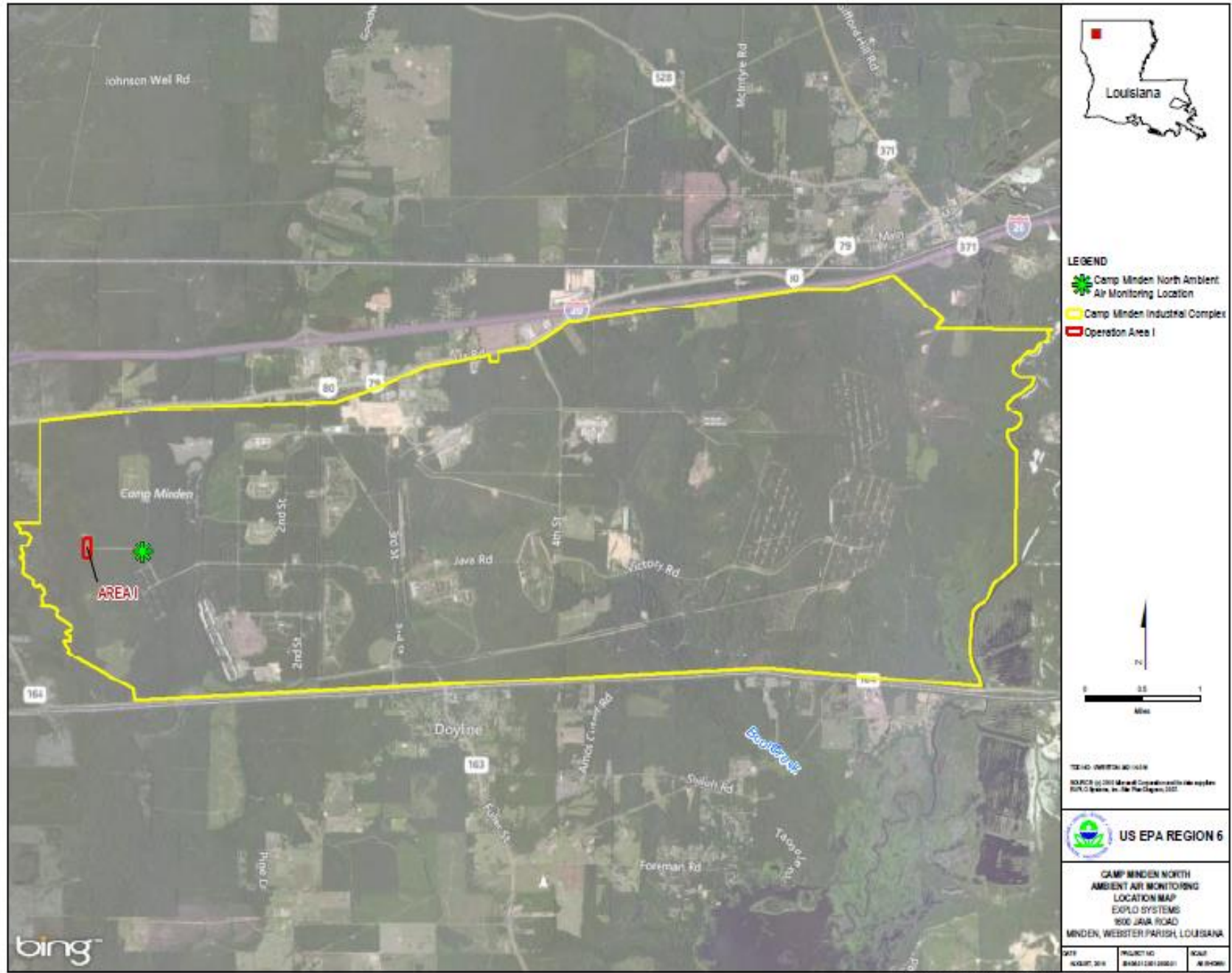
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

** Note: PM_{2.5} was captured in 60-min averages. All other analytes were captured in 1-min averages. Low regional PM_{2.5} readings continued through the day; negative BAM readings continued to be offset by +4.7.

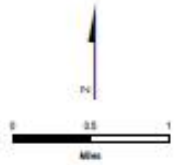
Summary for 19 August 2016 at Camp Minden North

Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.270	0.304	ppm	35 (1-hour)
CO ₂	514.2	522.7	ppm	For Monitoring Only
NO	1.9	4.5	ppb	For Monitoring Only
NO ₂	1.0	5.2	ppb	100 (1-hour)
NO _X	2.9	6.0	ppb	100 (1-hour)
SO ₂	0.4	0.7	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	1.53	21.4	ug/m ³	35 (24-hour)

Camp Minden North Station Location Map for 19 August 2016



- LEGEND**
- Camp Minden North Ambient Air Monitoring Location
 - Camp Minden Industrial Complex
 - Operation Area I



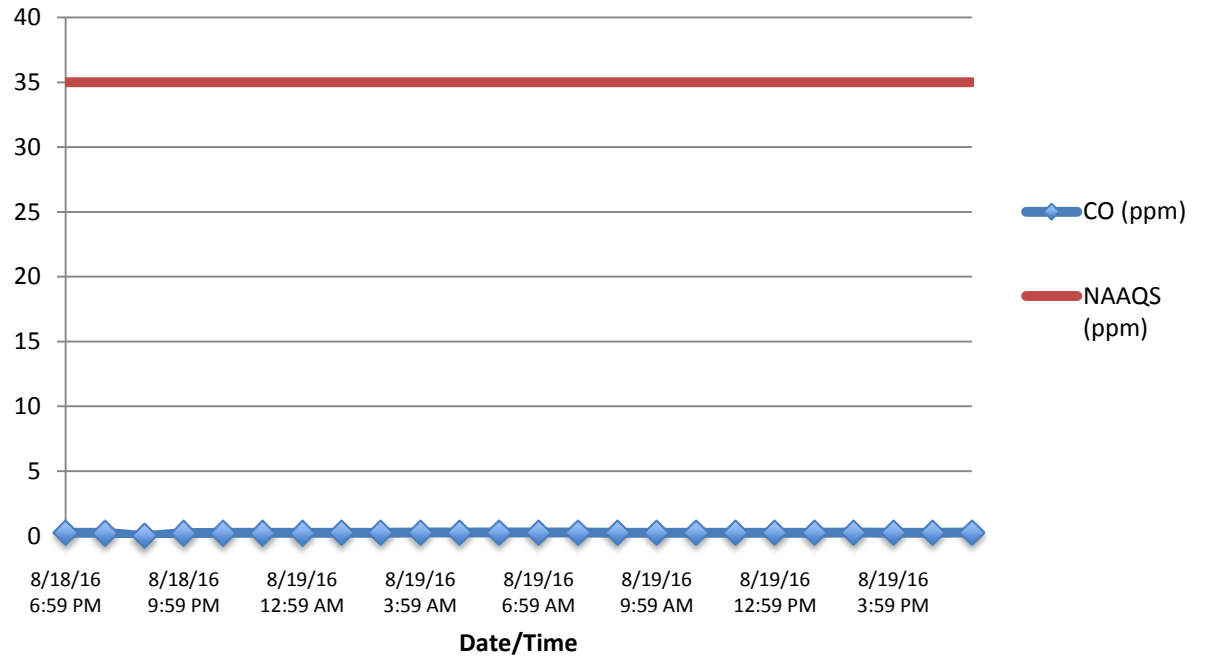
TEXAS INSTRUMENTS INCORPORATED
 SOURCE: © 2016 Microsoft Corporation and other suppliers.
 BING, GLOBE, and the Cligones logo.



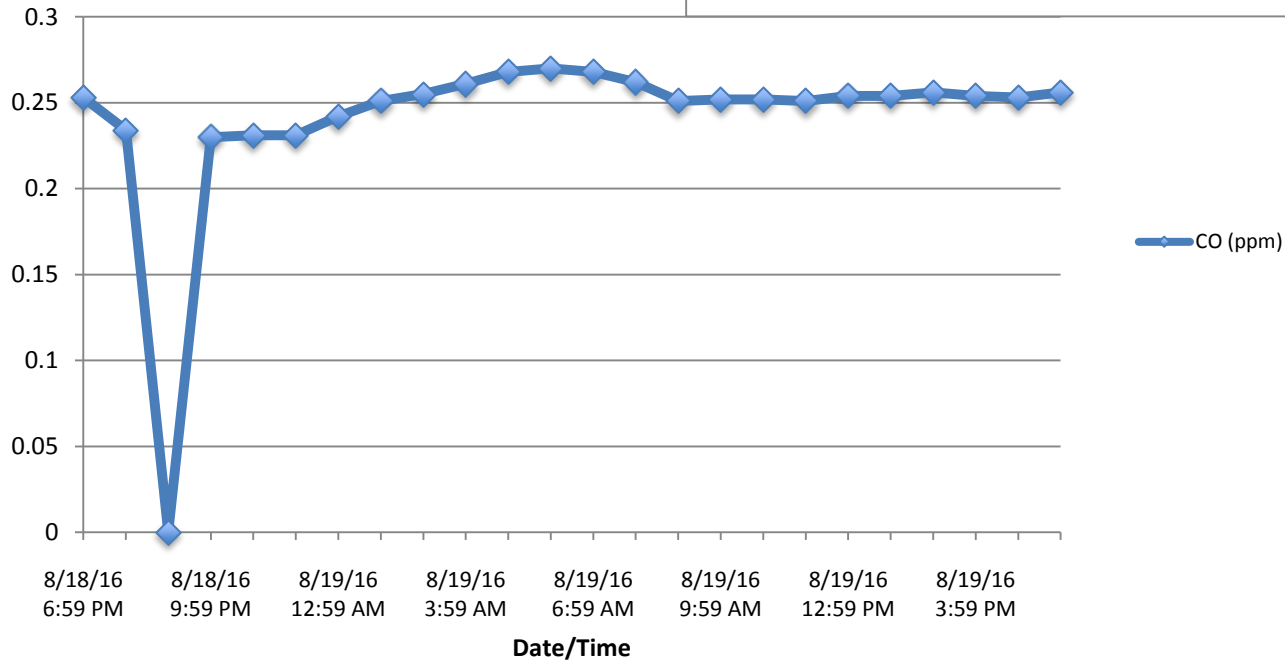
**CAMP MINDEN NORTH
 AMBIENT AIR MONITORING
 LOCATION MAP**
 EXPLORATION SYSTEMS
 1600 JAVA ROAD
 MINDEN, WEBSTER PARISH, LOUISIANA

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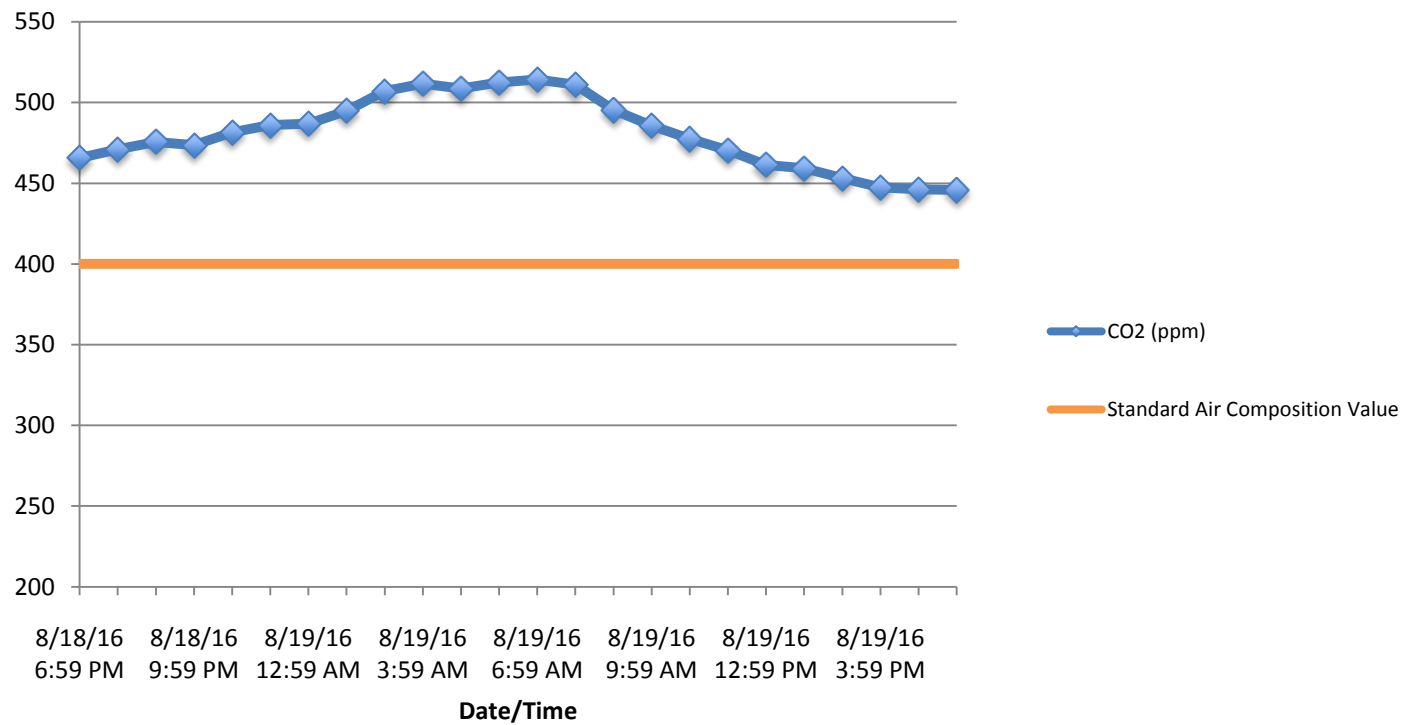
Hourly Averages CO (ppm)



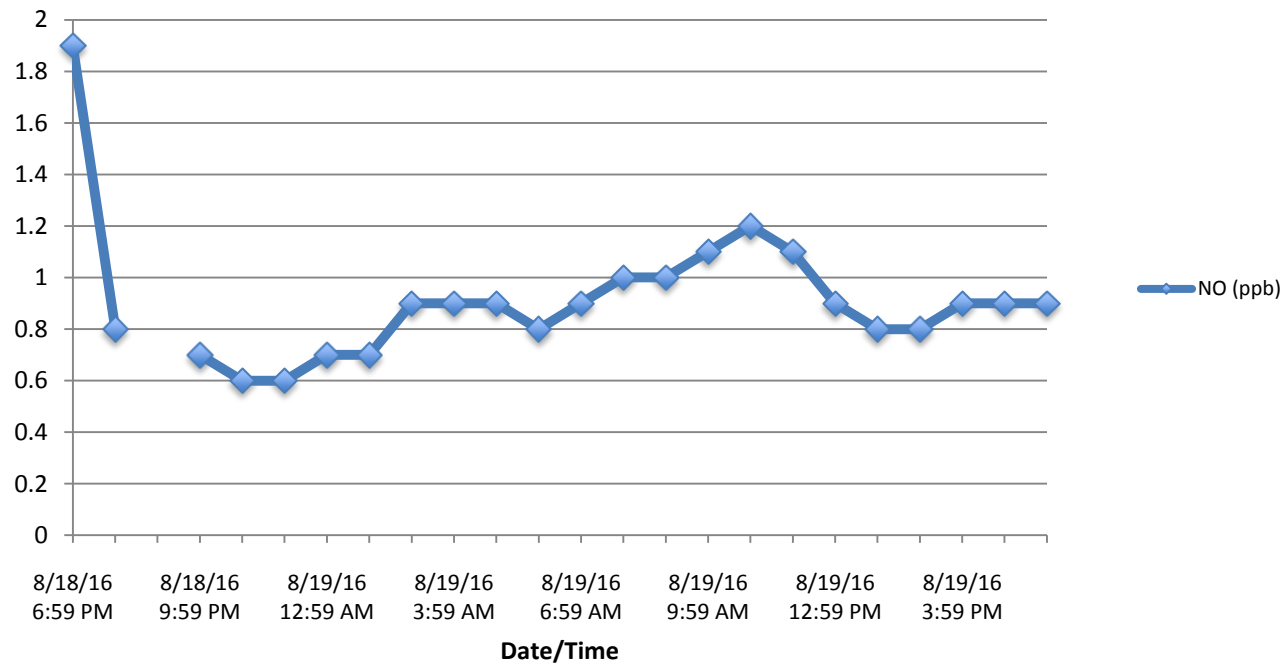
Hourly Averages CO (ppm) NAAQS 35 ppm



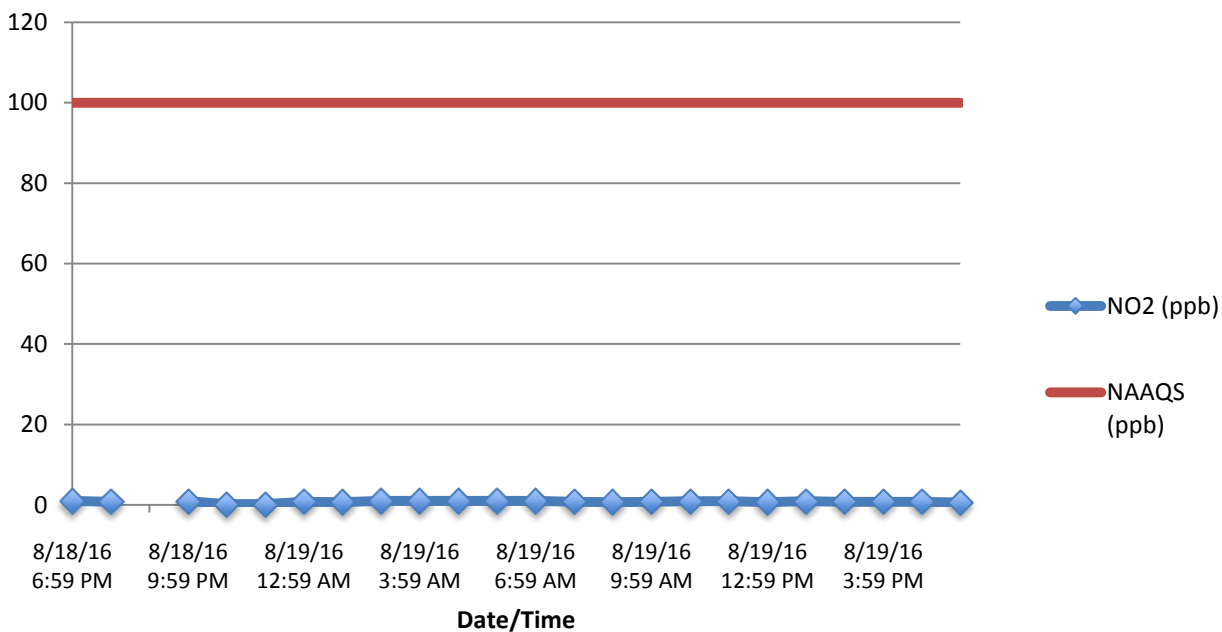
Hourly Averages CO2 (ppm) For Monitoring Only



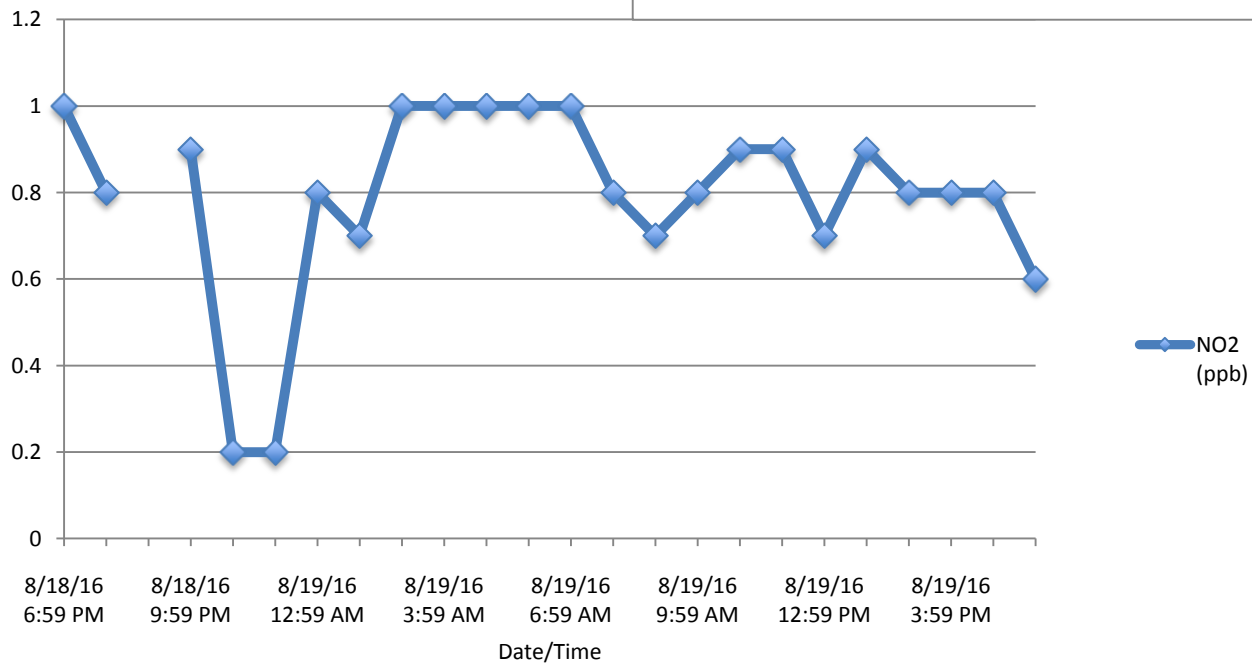
Hourly Averages NO (ppb) For Monitoring Only



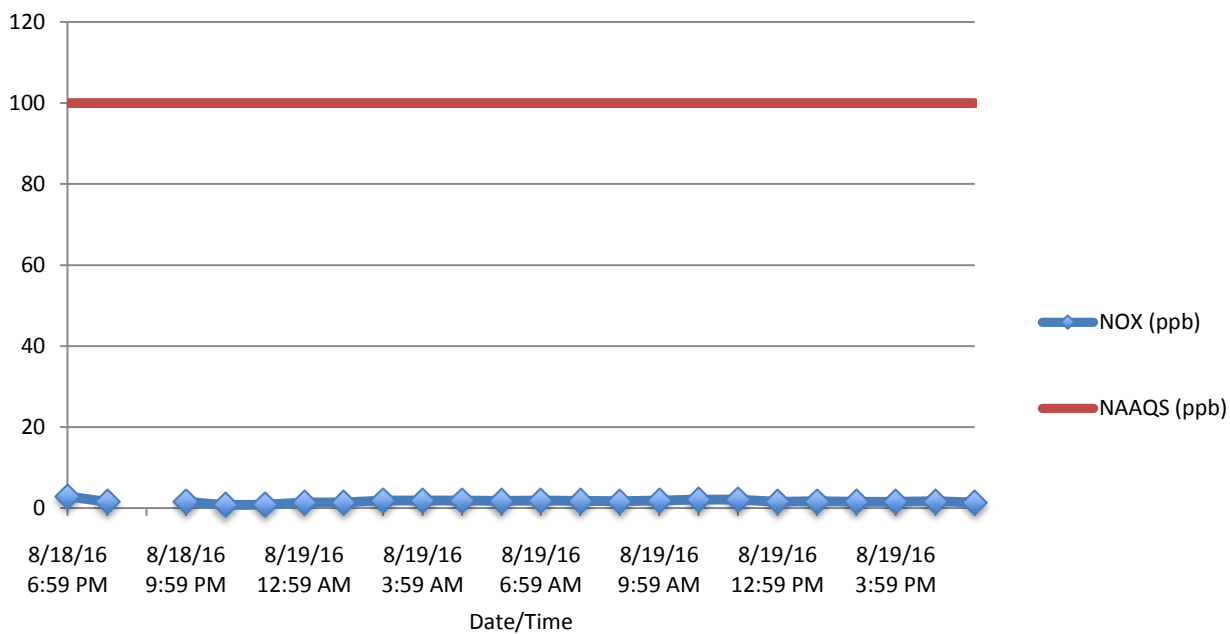
Hourly Averages NO2 (ppb)



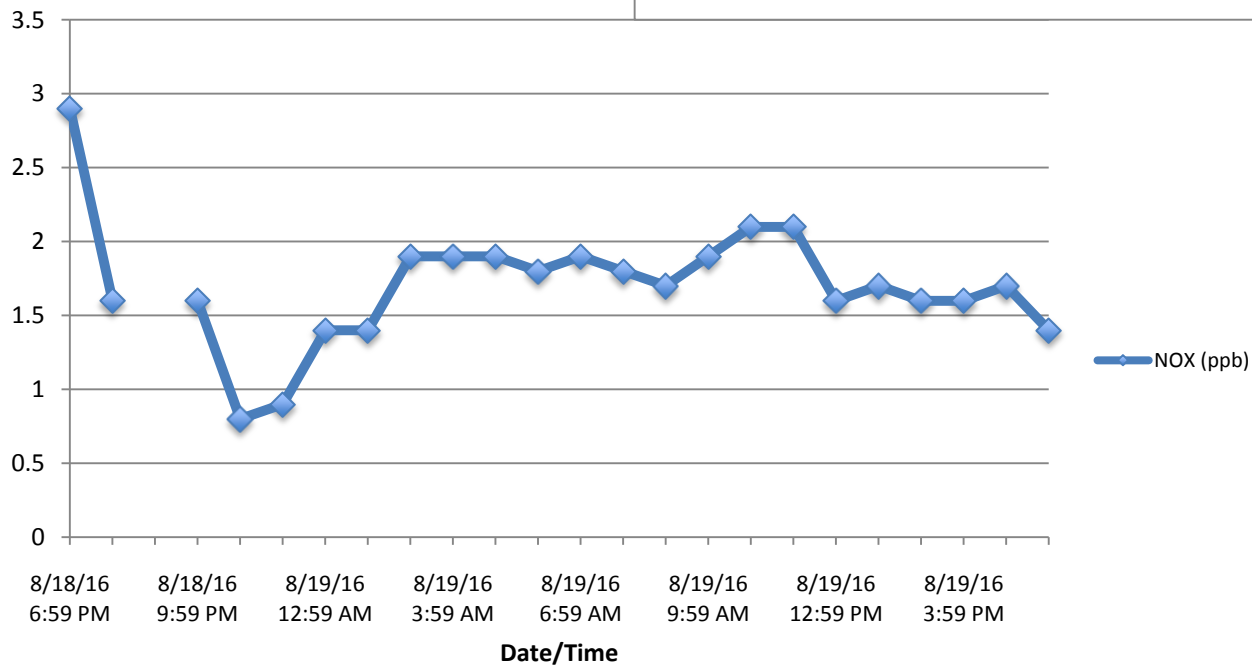
Hourly Averages NO2 (ppb) NAAQS 100 ppb



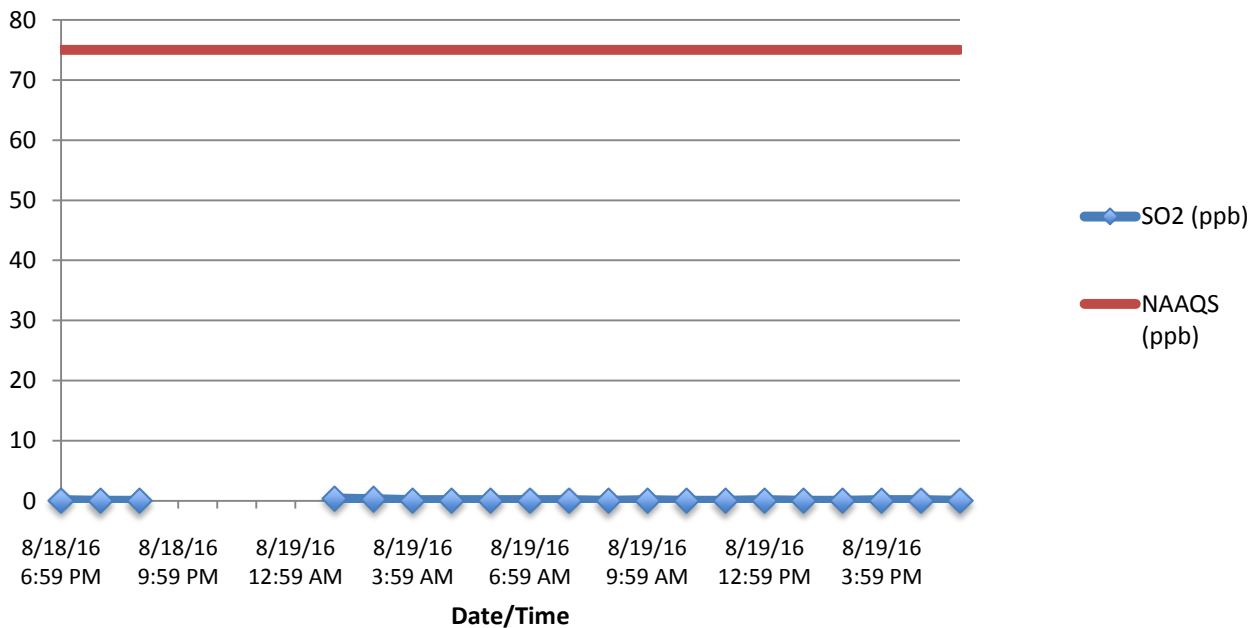
Hourly Averages NOX (ppb)



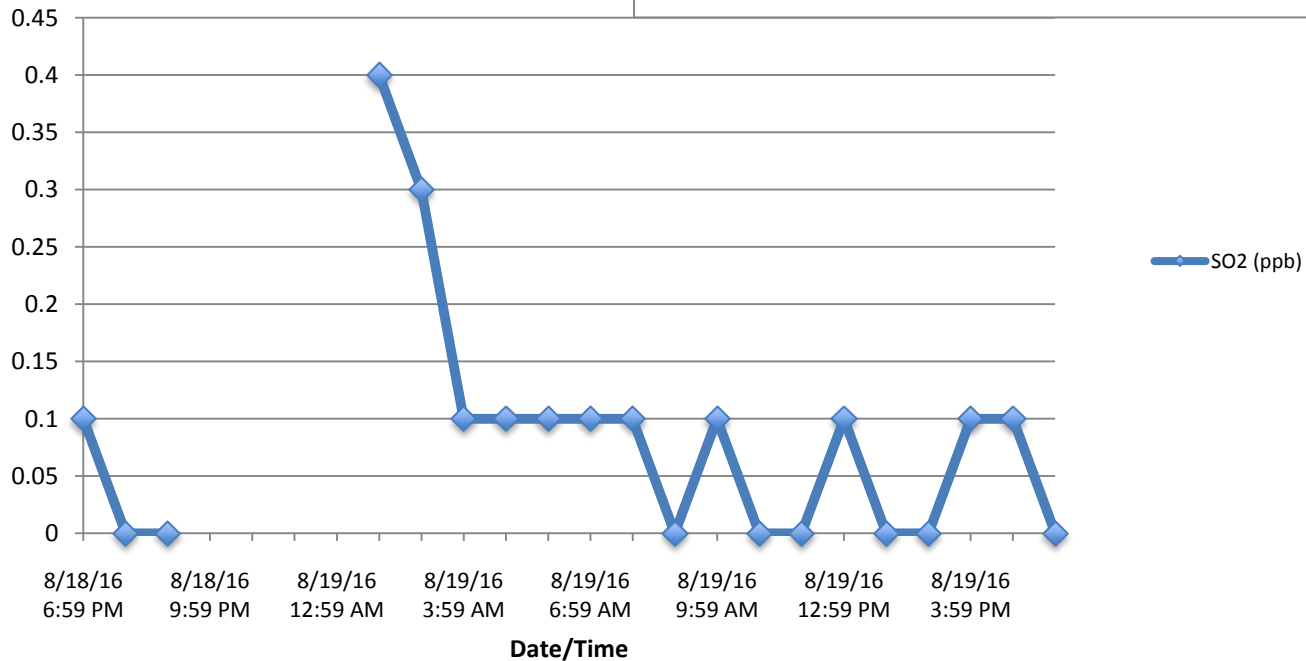
Hourly Averages NOX (ppb) NAAQS 100 ppb



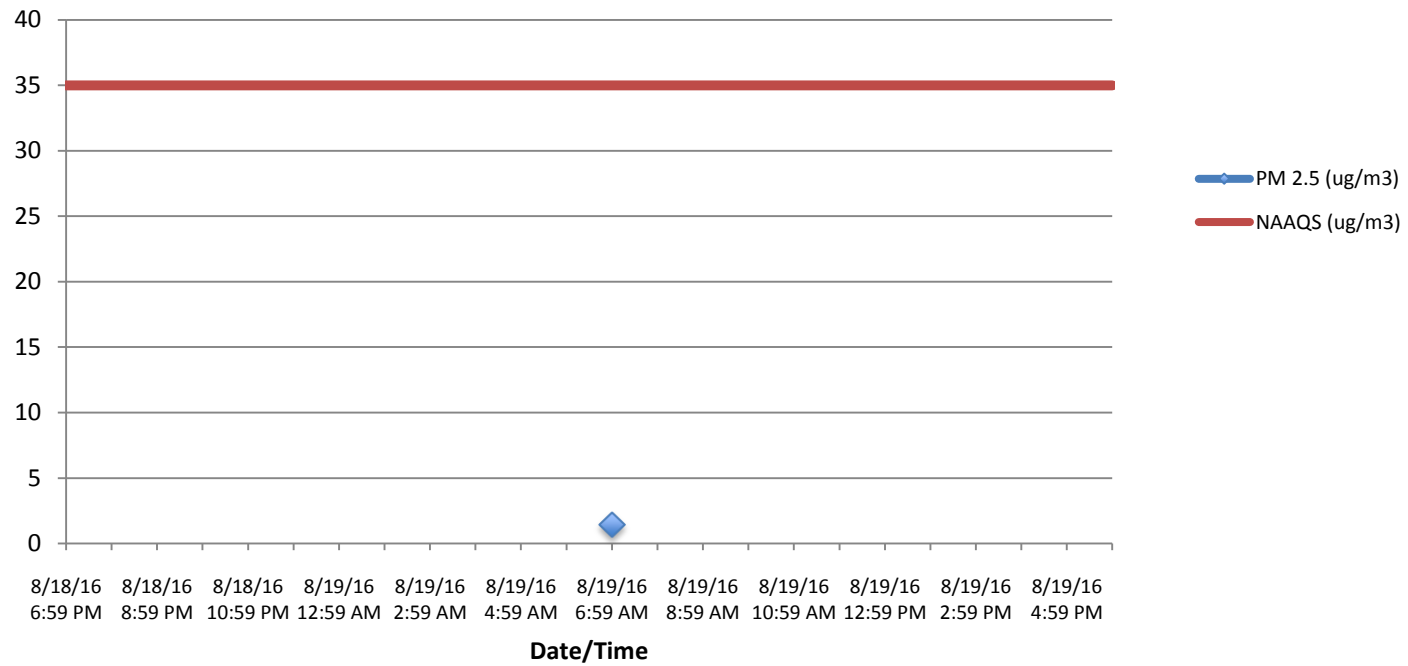
Hourly Averages SO2 (ppb)



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)

