

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden Area I

Start Time: 9-23-2016 1800 - End Time: 9-24-2016 1800

September 24, 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 September 23, 2016 1800 through September 24, 2016, 2016 1800
- 2 Highest measurement of each analyte from September 23, 2016 1800 through September 24, 2016 1800

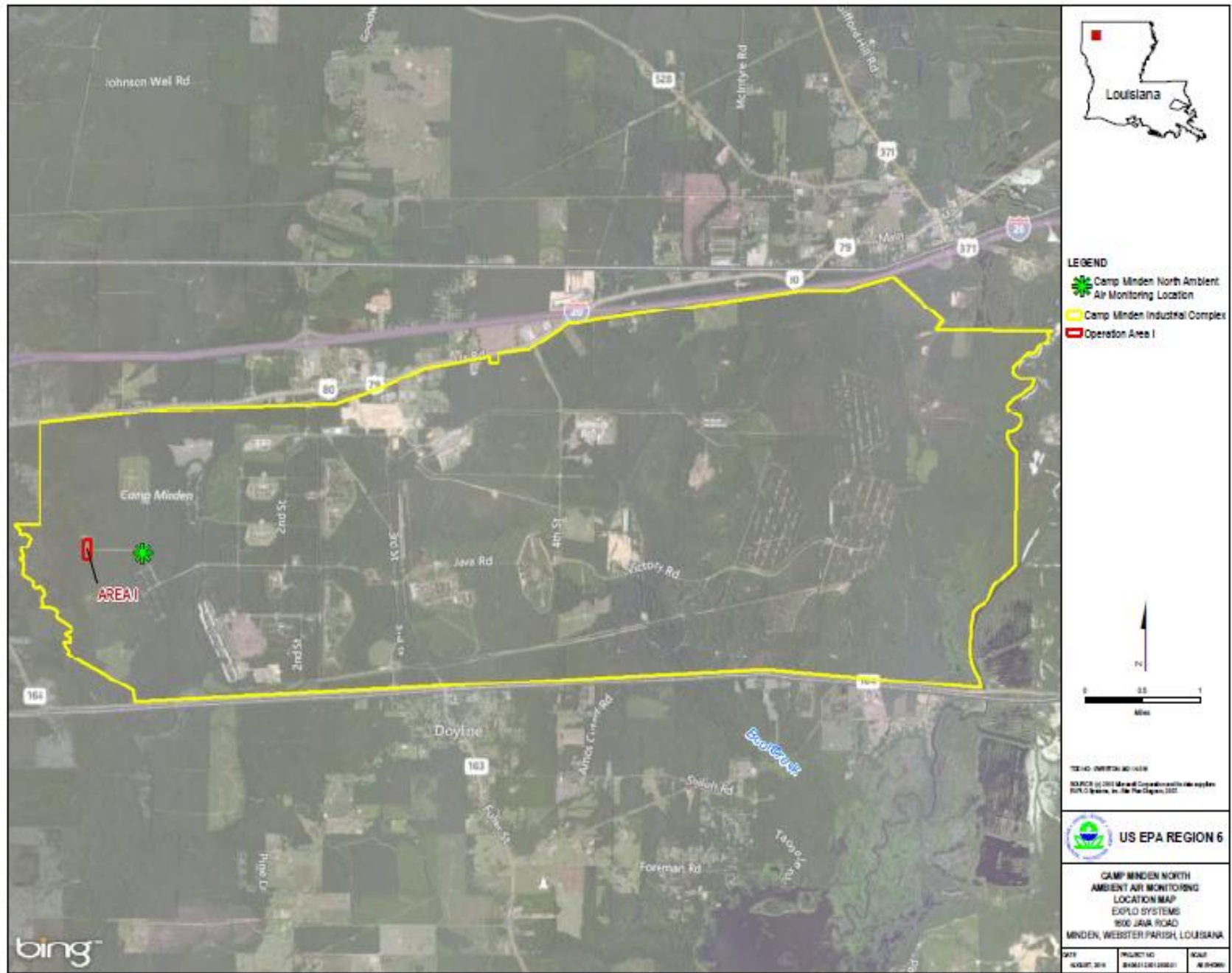
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

** Note: PM_{2.5} was captured in 60-min averages. All other analytes were captured in 1-min averages. Negative BAM readings continued to be offset by +4.7 for all hours. All monitors were operating normally except NO_x. NO_x analyzer pump returned to normal flow readings again for most of period midnight through 1200 CDT. Flow reading dropped to zero again and remained flatline except for sporadic flow readings. Data were invalidated for periods with no stable normal flow.

Summary for 24 September 2016 at Camp Minden Area I

Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.599	1.147	ppm	35 (1-hour)
CO ₂	632.8	675.3	ppm	For Monitoring Only
NO	1.9	7.3	ppb	For Monitoring Only
NO ₂	1.6	2.8	ppb	100 (1-hour)
NO _x	3.0	8.0	ppb	100 (1-hour)
SO ₂	1.1	1.5	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	8.43	14.2	ug/m3	35 (24-hour)

Camp Minden Area I Station Location Map for 24 September 2016



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



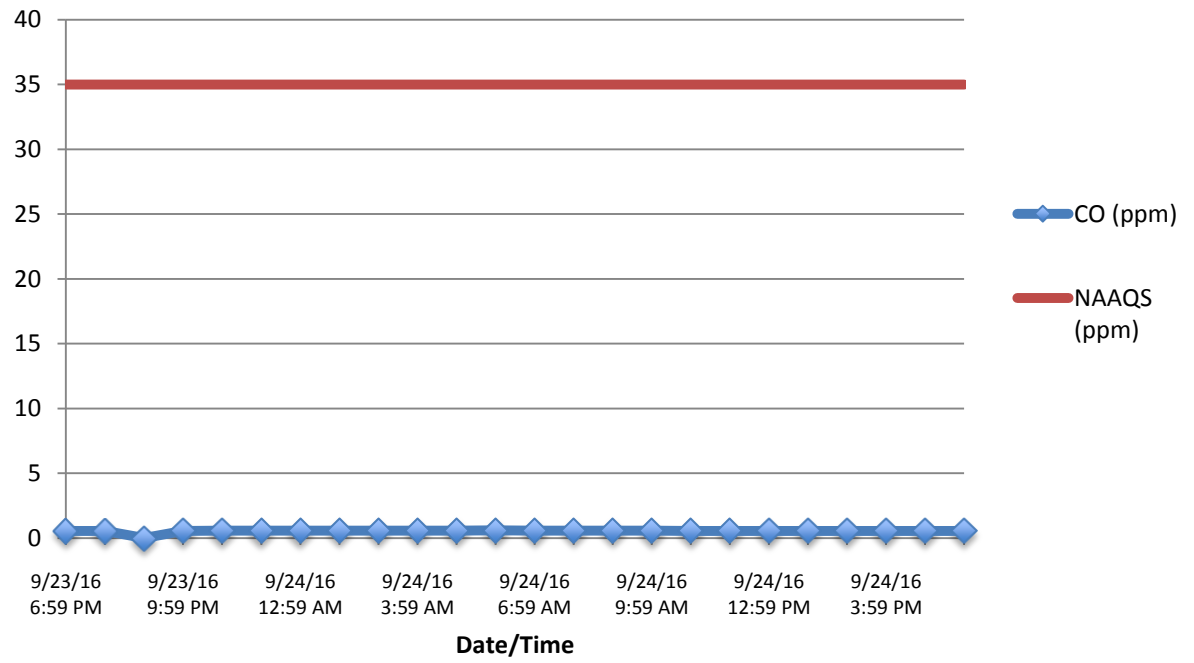
TEXAS INSTRUMENTS 401141016
 SOURCE: US 2014 Aerial Coverage with the system
 ENVI System, v. 5.1.0 The Clipping, 2015



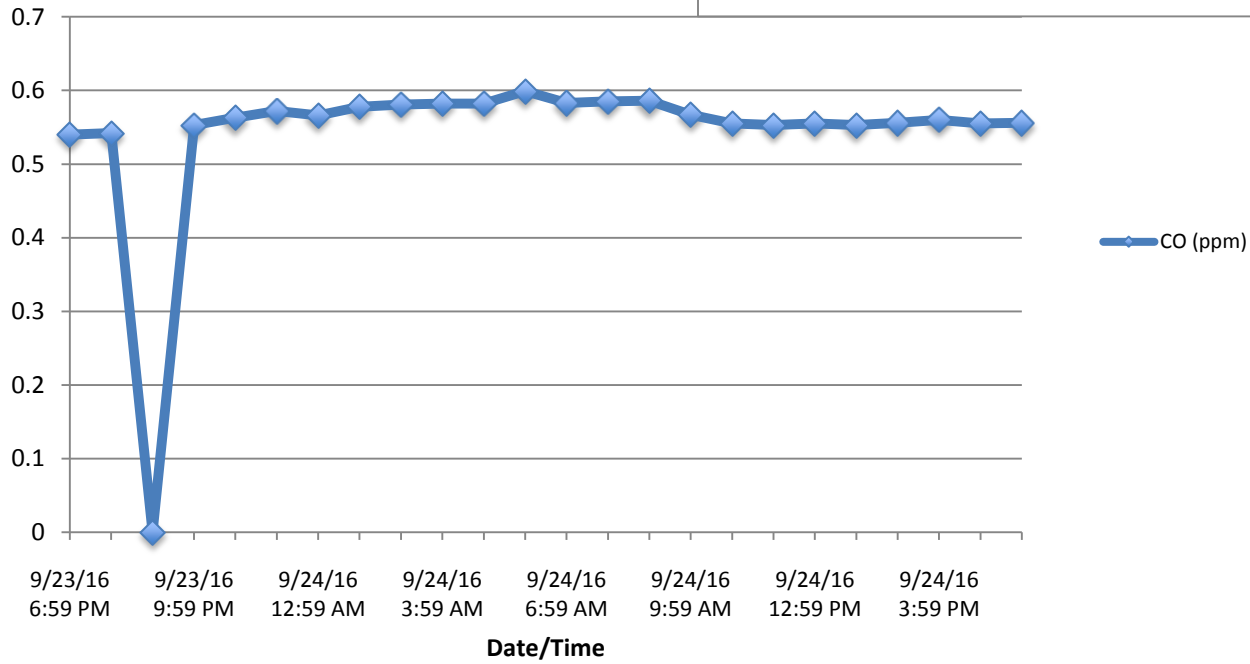
**CAMP MINDEN NORTH
 AMBIENT AIR MONITORING
 LOCATION MAP**
 EXPLORIS SYSTEMS
 1600 JAVA ROAD
 MINDEN, WEBSTER PARISH, LOUISIANA

DATE	PROJECT NO.	SCALE
09/24/2016	EXPLORIS 1101141016	AS SHOWN

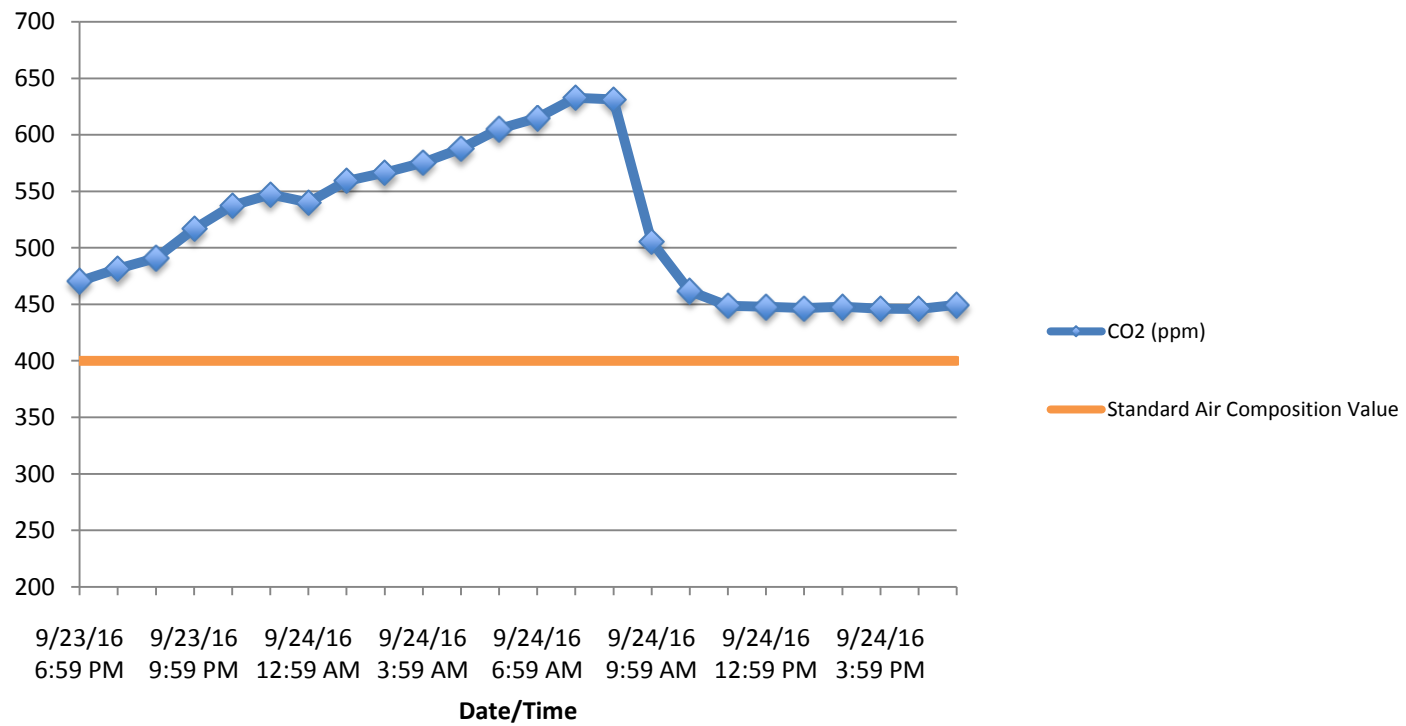
Hourly Averages CO (ppm)



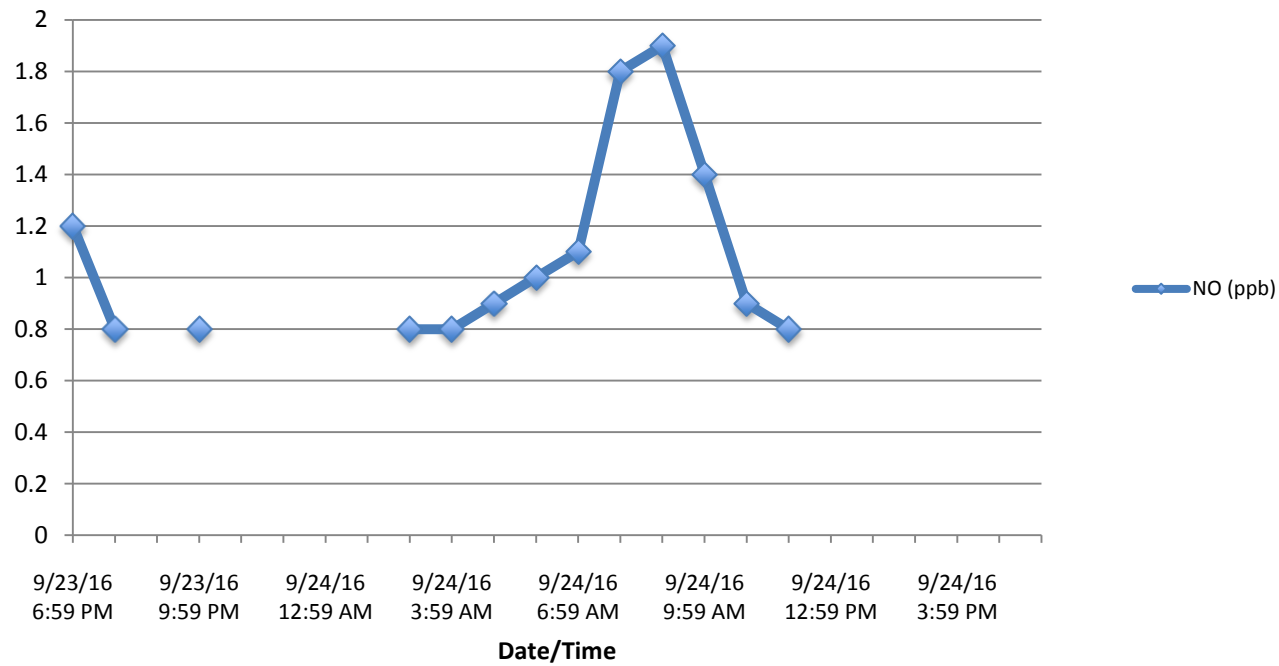
Hourly Averages CO (ppm) NAAQS 35 ppm



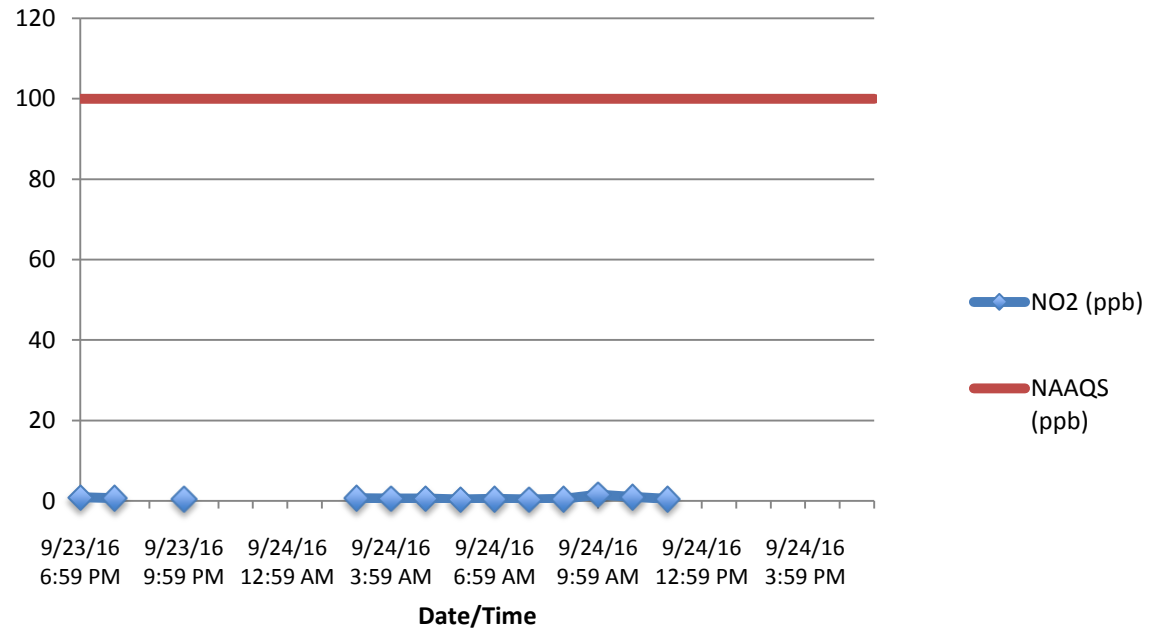
Hourly Averages CO2 (ppm) For Monitoring Only



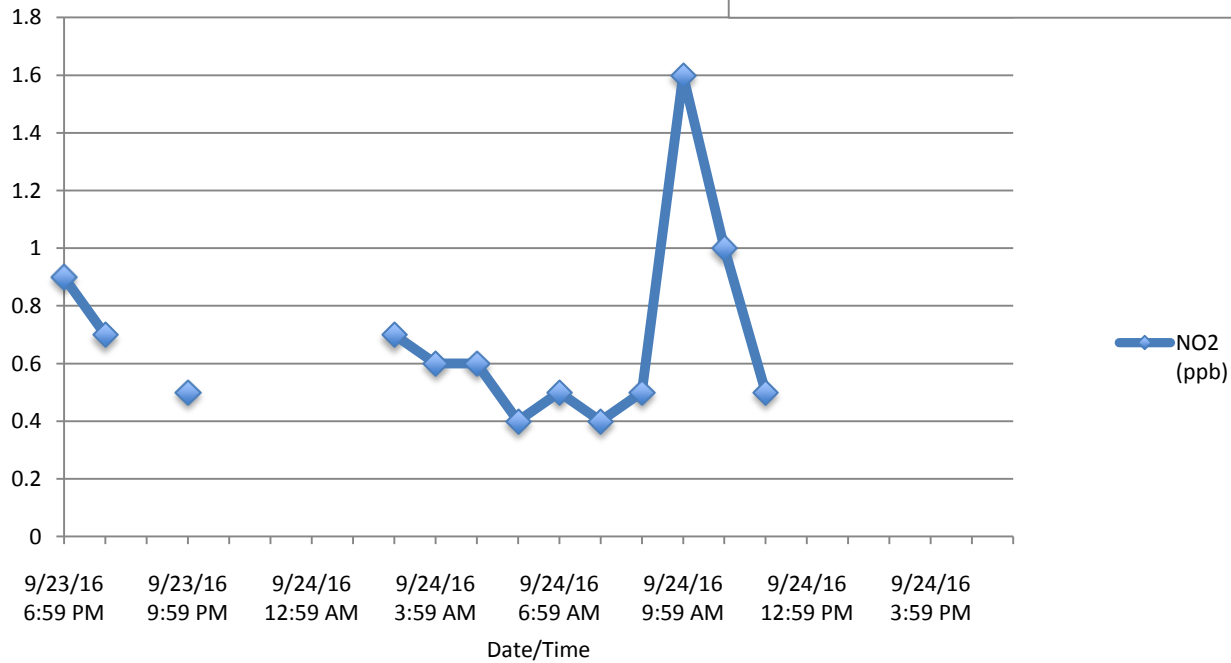
Hourly Averages NO (ppb) For Monitoring Only



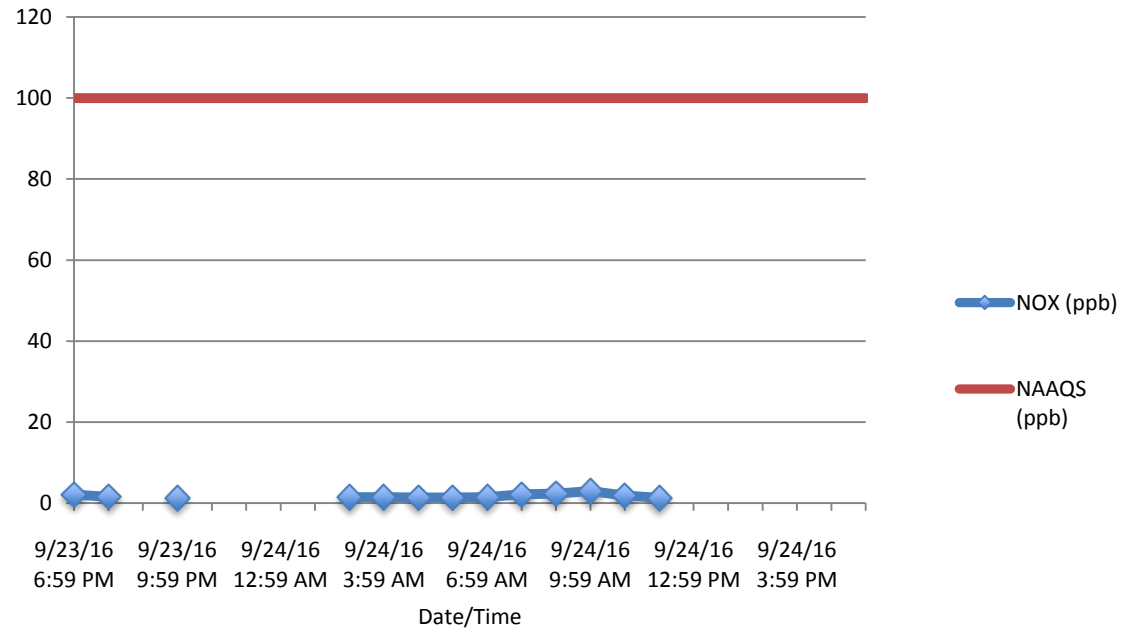
Hourly Averages NO2 (ppb)



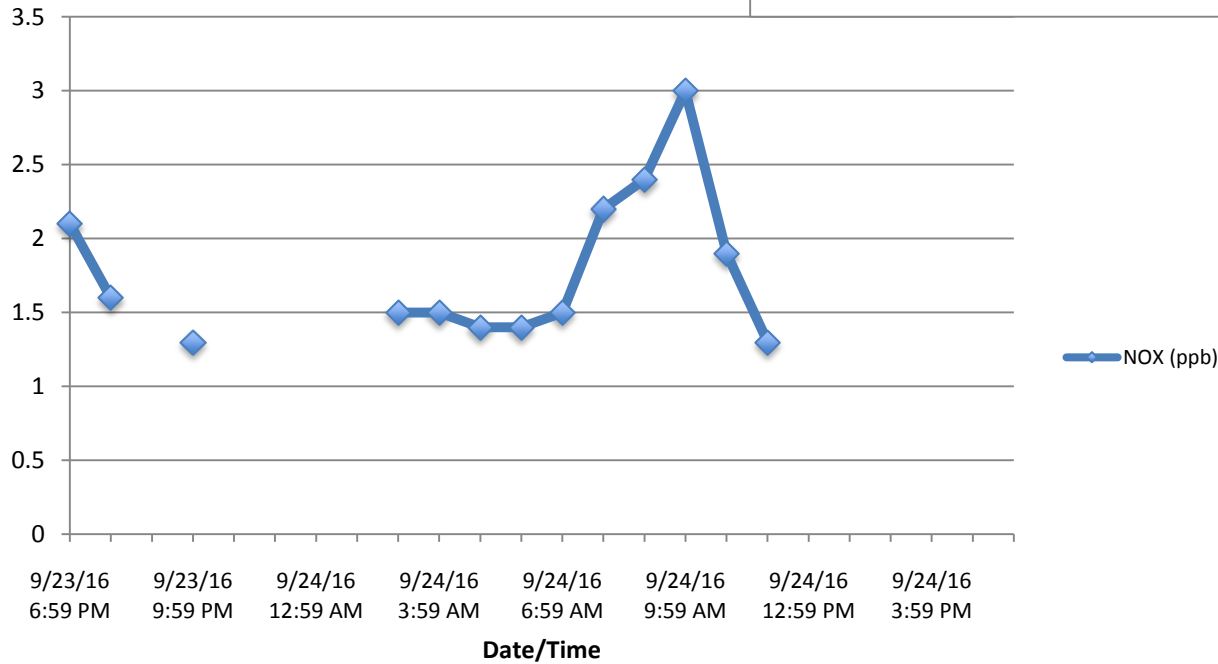
Hourly Averages NO2 (ppb) NAAQS 100 ppb



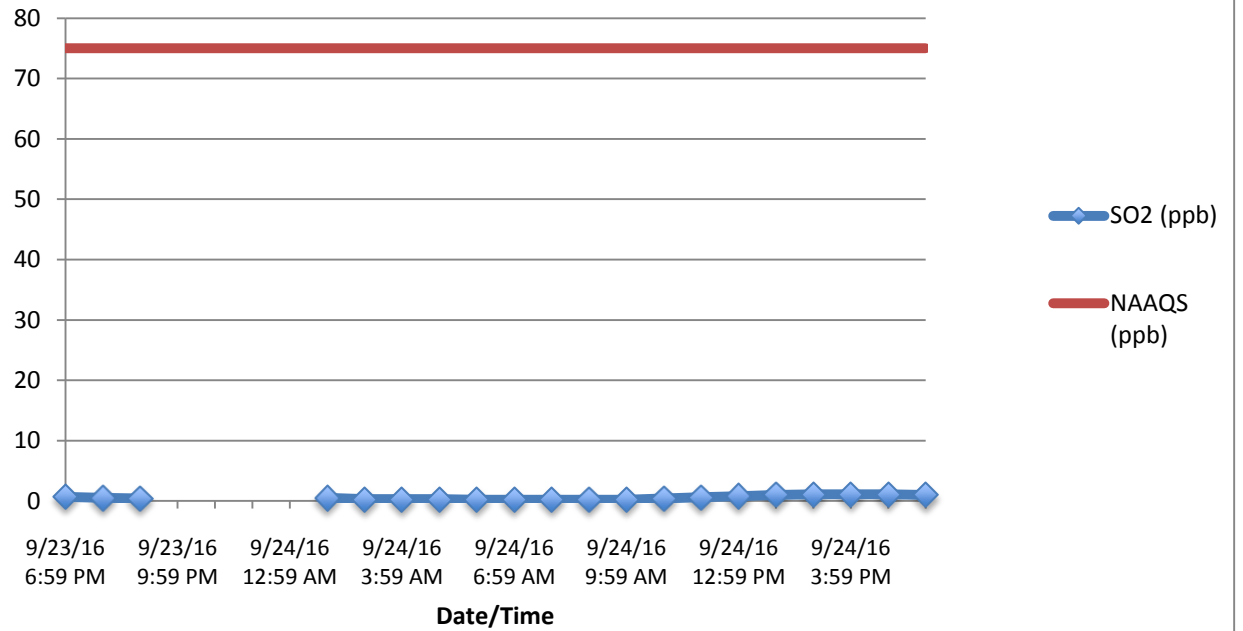
Hourly Averages NOX (ppb)



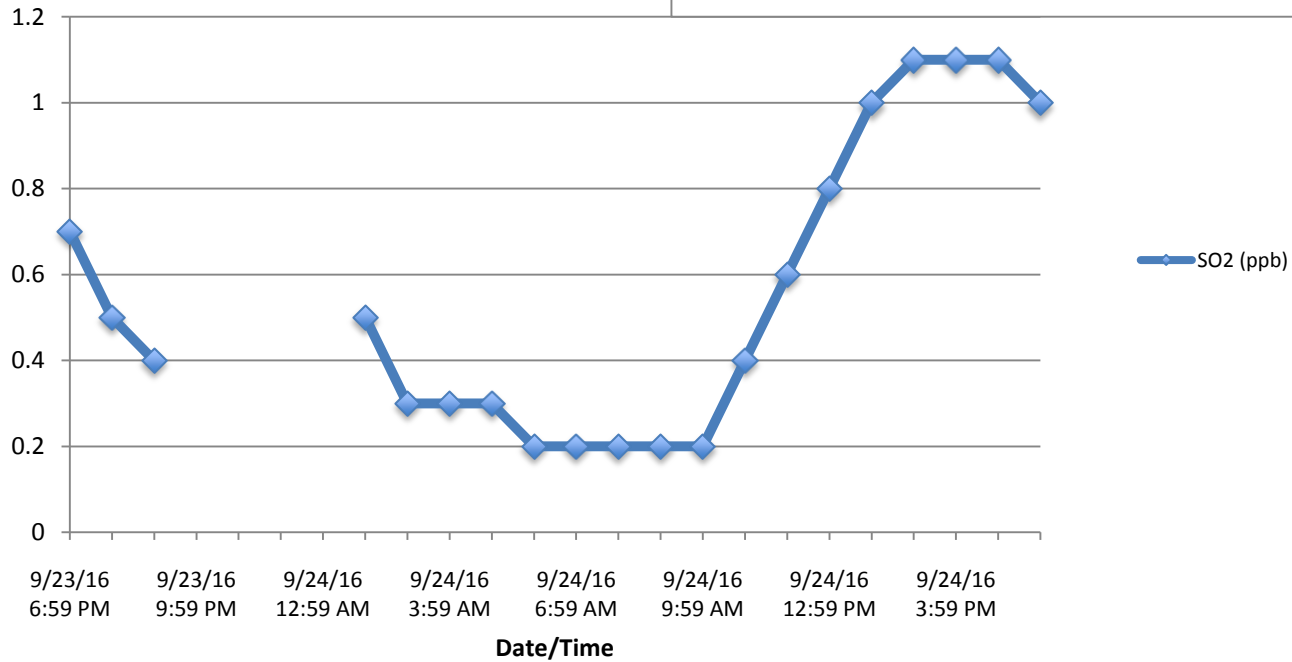
Hourly Averages NOX (ppb) NAAQS 100 ppb



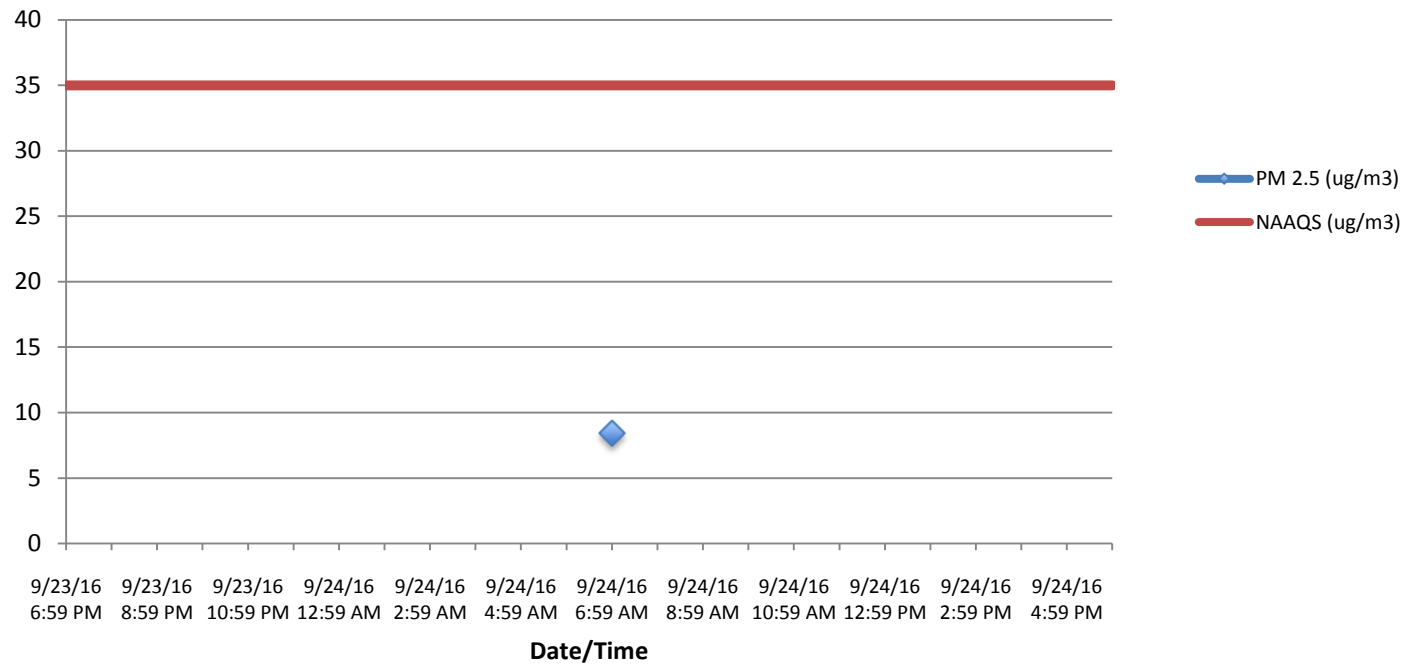
Hourly Averages SO2 (ppb)



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)

