

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden Area I

Start Time: 10-17-2016 1800 - End Time: 10-18-2016 1800

October 18, 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 October 17, 2016 1800 through October 18, 2016, 2016 1800
- 2 Highest measurement of each analyte from October 17, 2016 1800 through October 18, 2016 1800

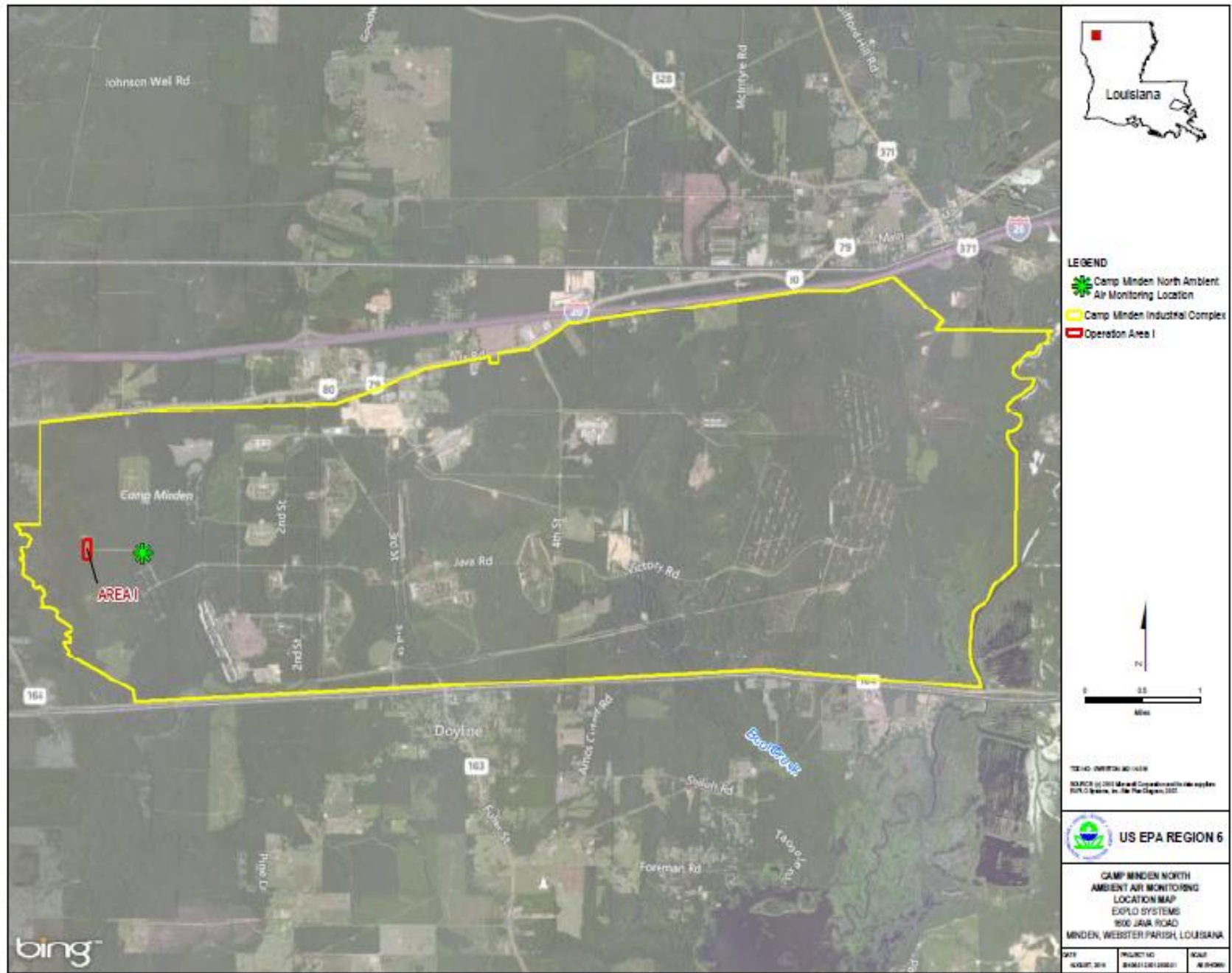
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

** Note: PM_{2.5} was captured in 60-min averages. All other analytes were captured in 1-min averages. All monitors were operating normally. There was a brief period of high NO_x readings from 0827-0831 CDT on 10/18. The 1-minute readings peaked at 99.5 ppb NO_x. There were simultaneous elevated CO and CO₂ readings; CO increased approx 0.15 ppm above baseline, and CO₂ increased by approx 15 ppm above baseline. Intermittent elevated NO_x readings continued (brief periods < 5 min each) until 1035 CDT; these peaks were in to 10 – 40 ppb range. Winds were from the south and southeast at 3-5 mph during most of the period, shifting to more southwesterly by 1030 CDT.

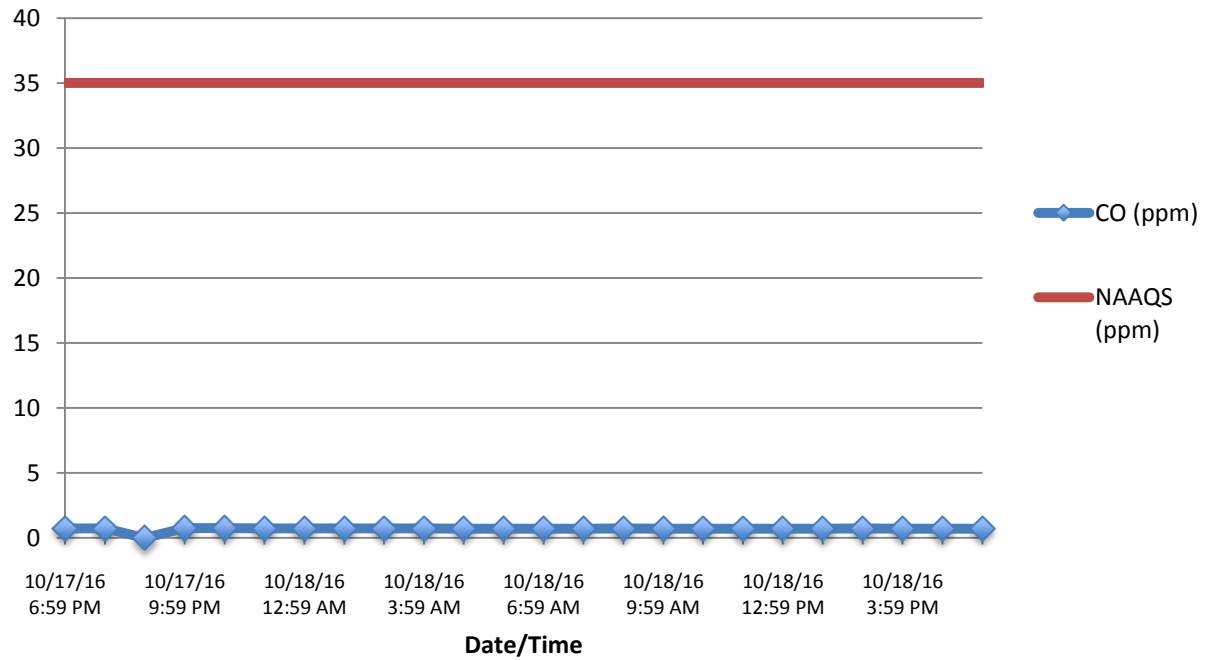
Summary for 18 October 2016 at Camp Minden Area I

Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.766	1.347	ppm	35 (1-hour)
CO ₂	522	554.7	ppm	For Monitoring Only
NO	5.5	75.5	ppb	For Monitoring Only
NO ₂	3.7	29.3	ppb	100 (1-hour)
NO _x	9.1	99.5	ppb	100 (1-hour)
SO ₂	0.8	1.1	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	6.18	21.4	ug/m ³	35 (24-hour)

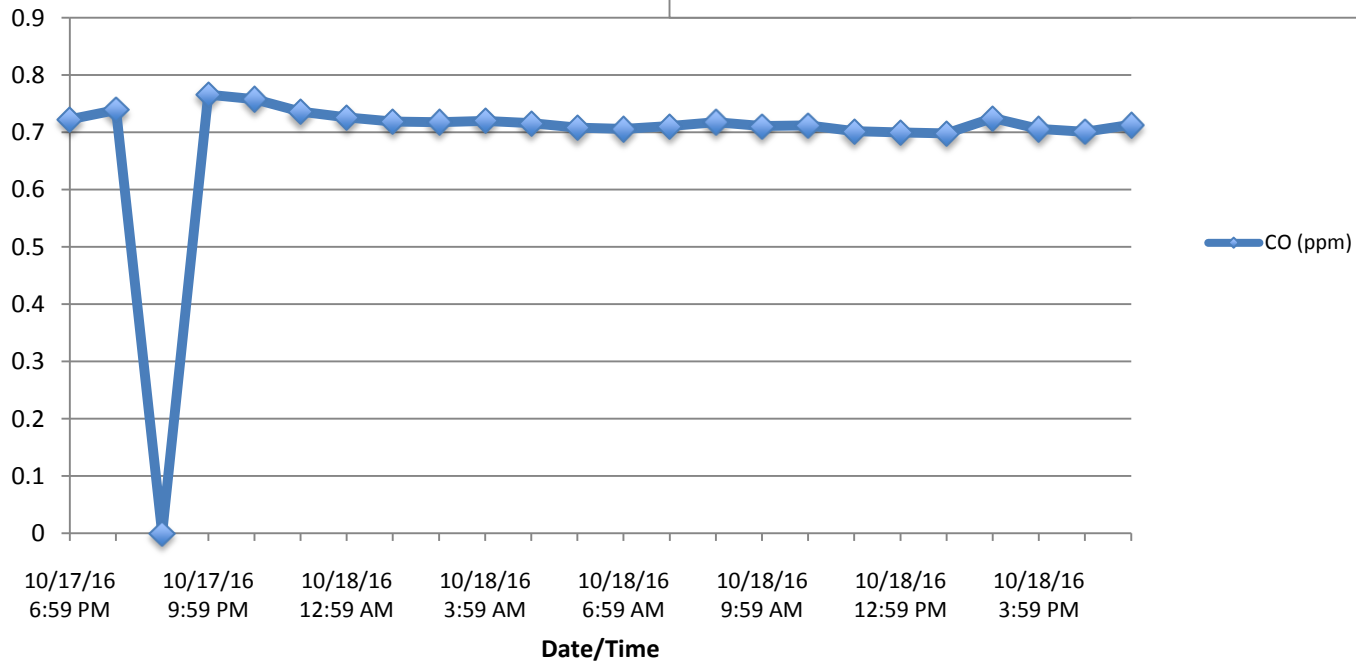
Camp Minden Area I Station Location Map for 18 October 2016



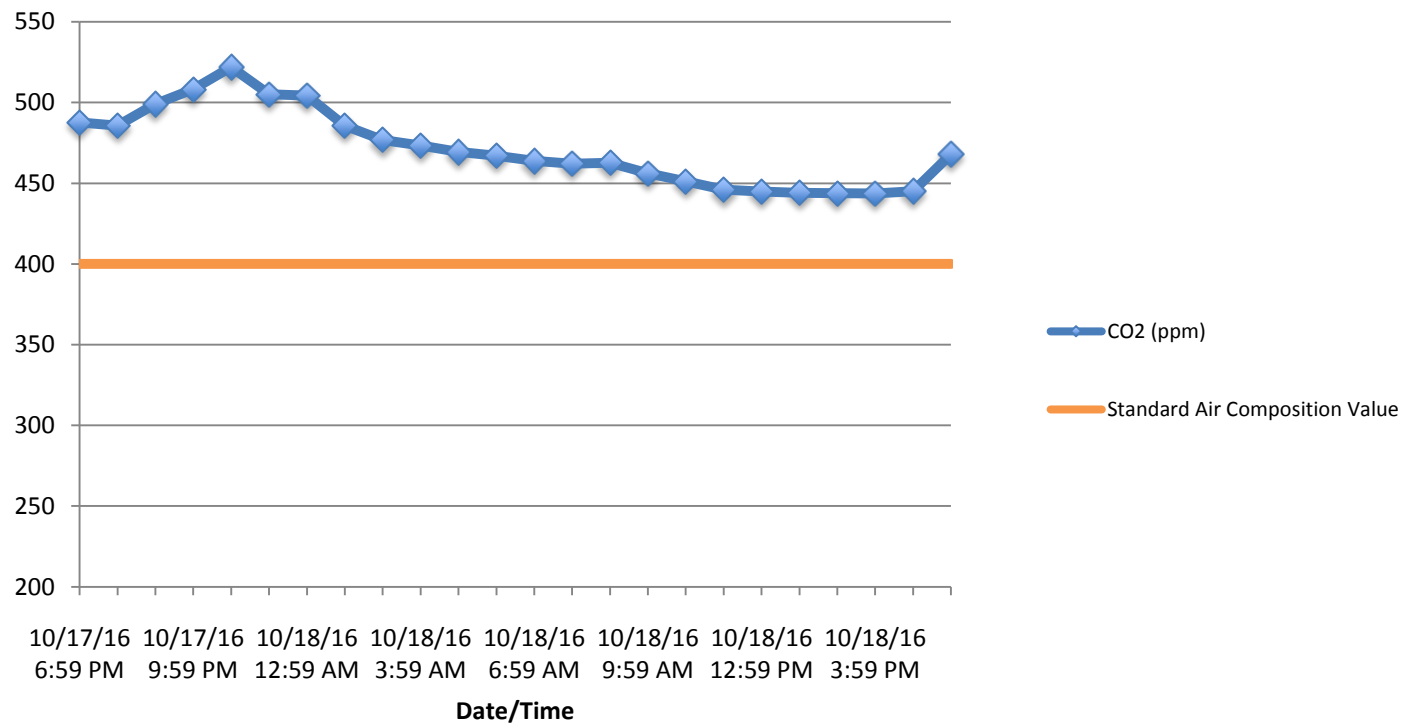
Hourly Averages CO (ppm)



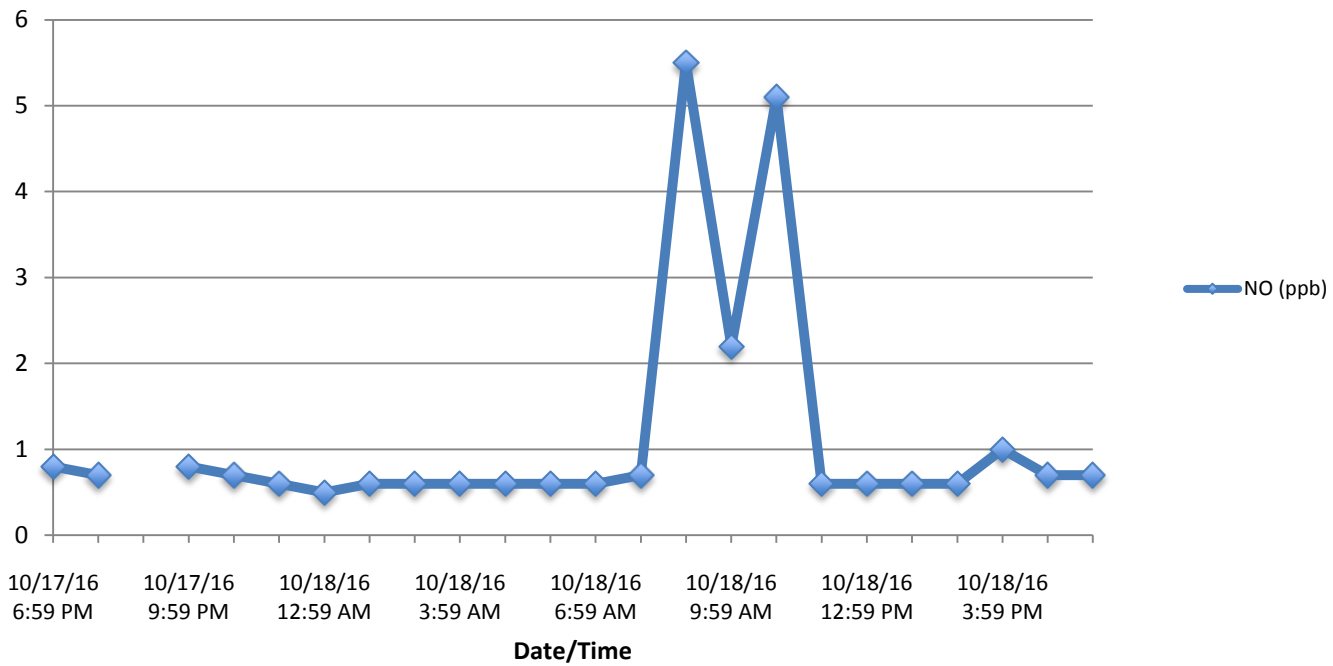
Hourly Averages CO (ppm) NAAQS 35 ppm



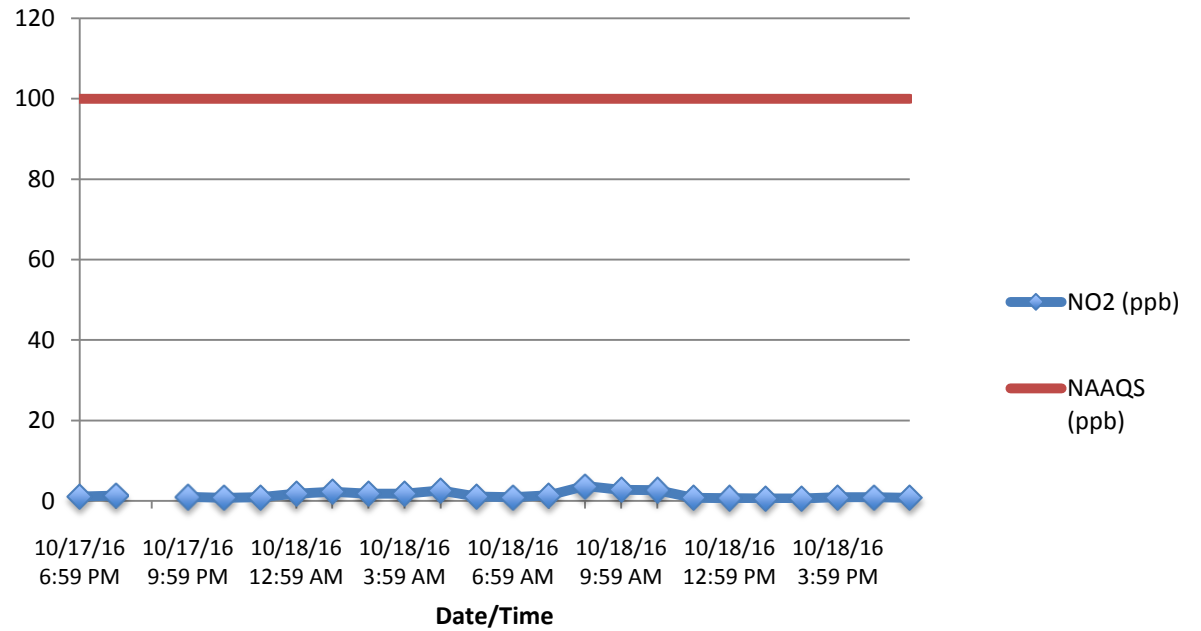
Hourly Averages CO2 (ppm) For Monitoring Only



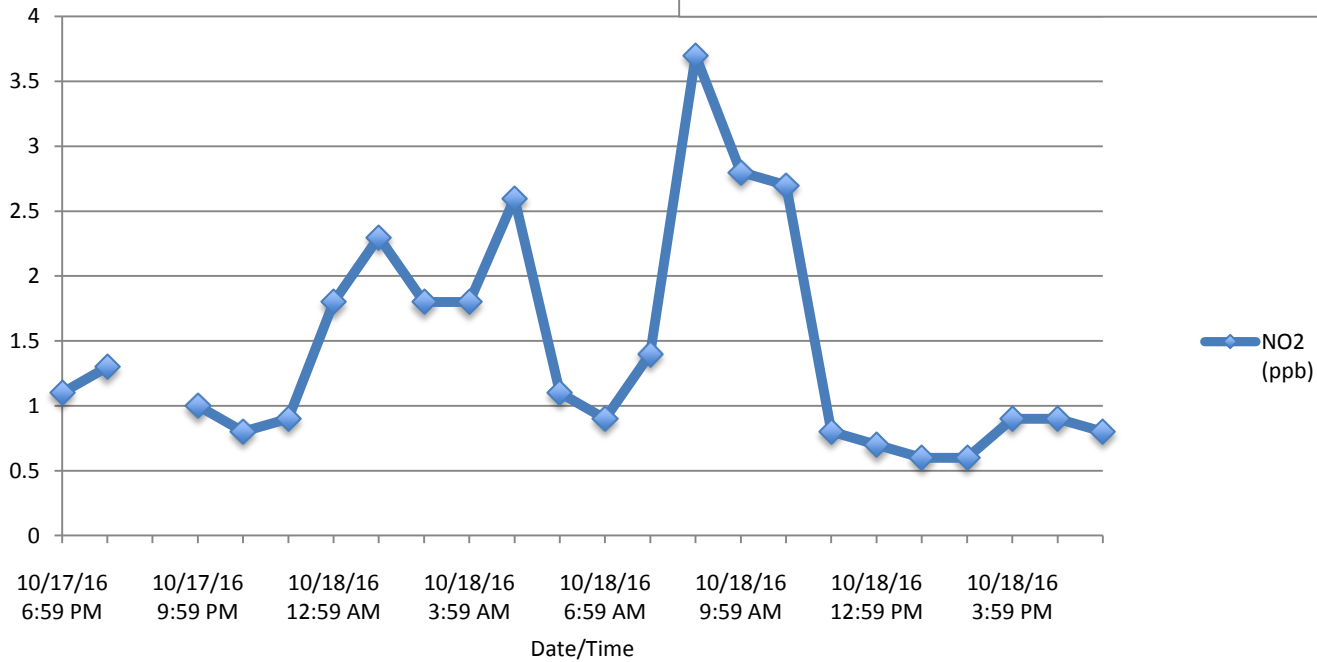
Hourly Averages NO (ppb) For Monitoring Only



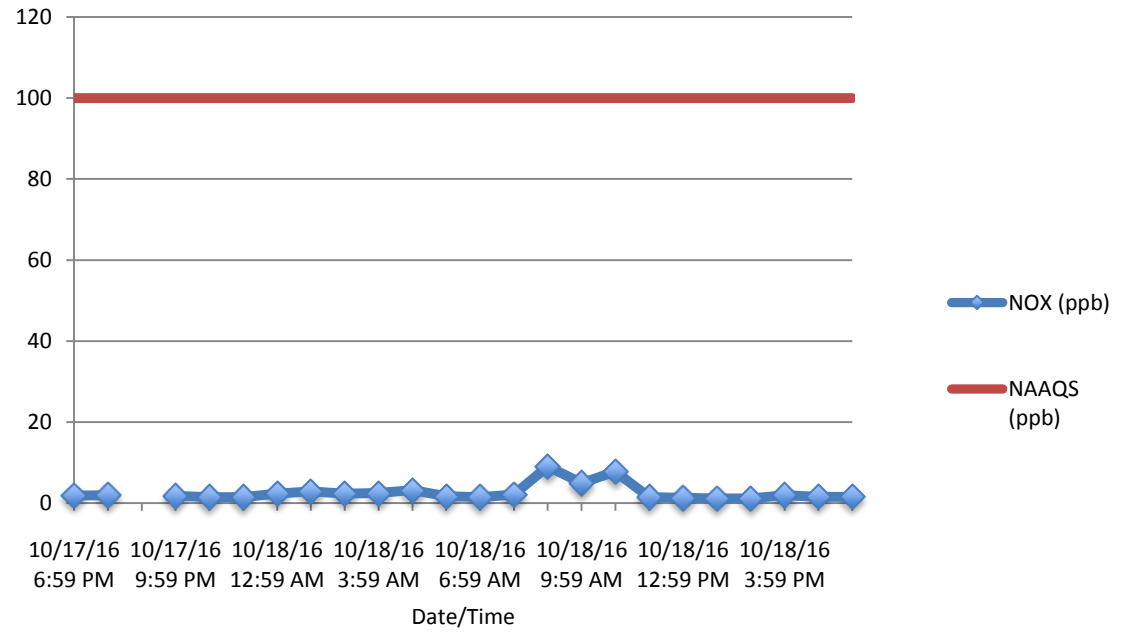
Hourly Averages NO2 (ppb)



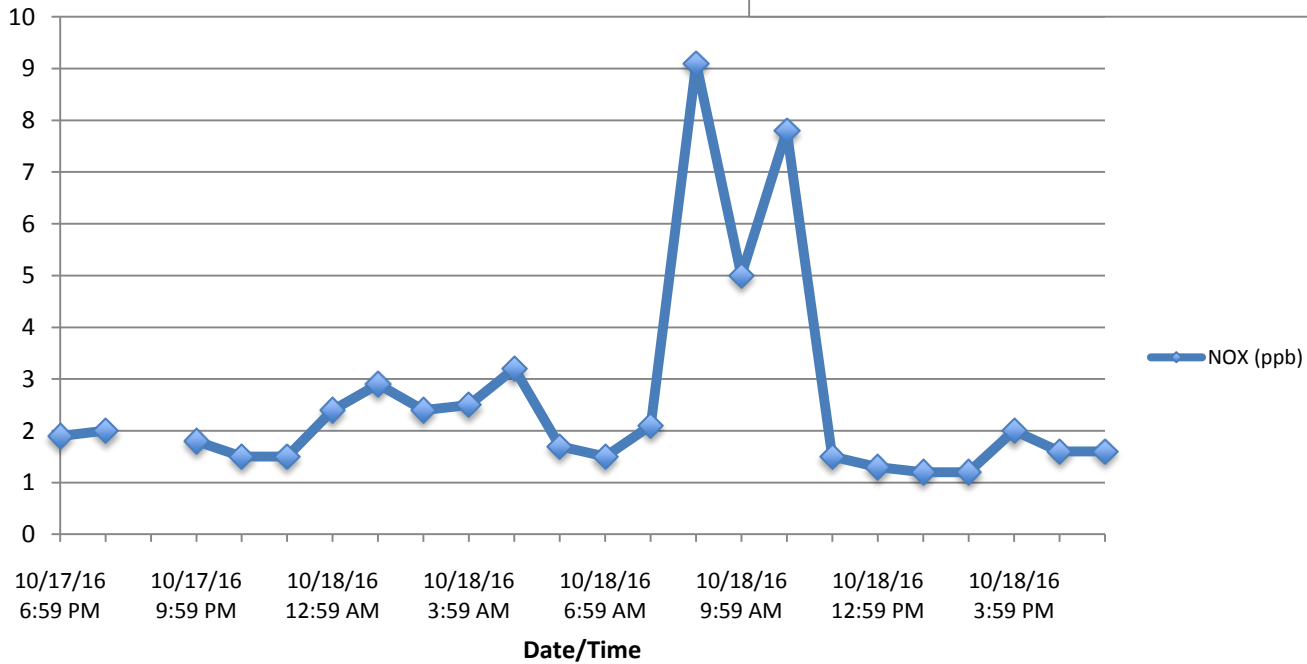
Hourly Averages NO2 (ppb) NAAQS 100 ppb



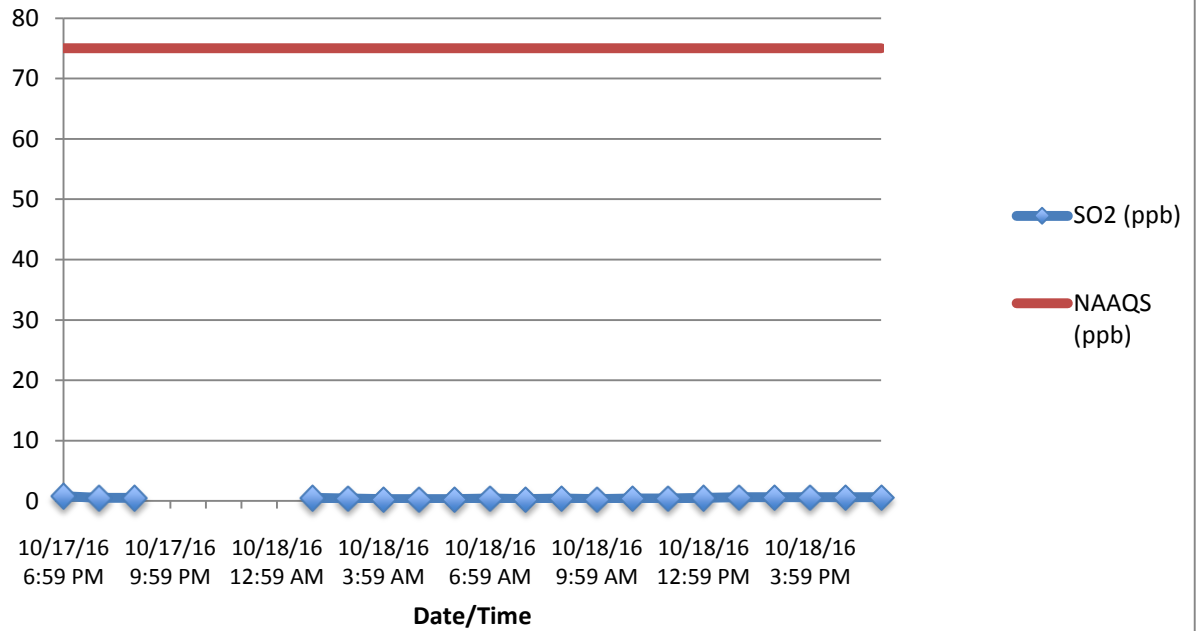
Hourly Averages NOX (ppb)



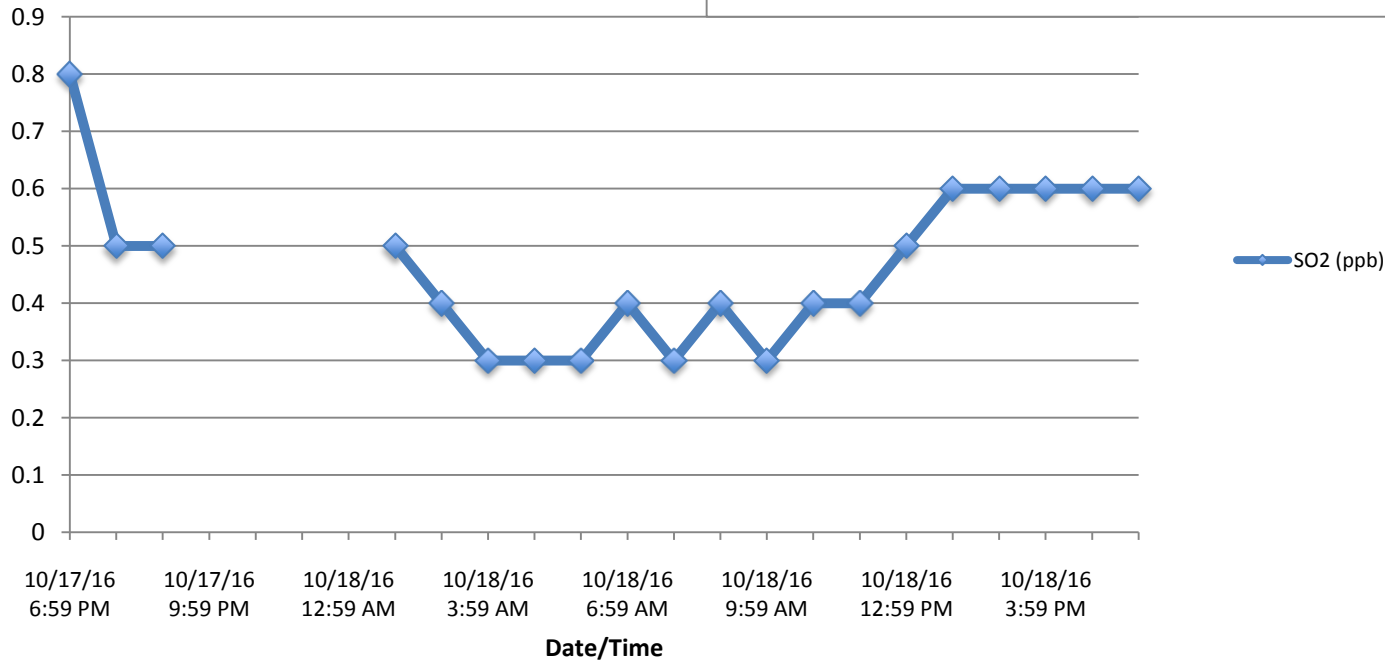
Hourly Averages NOX (ppb) NAAQS 100 ppb



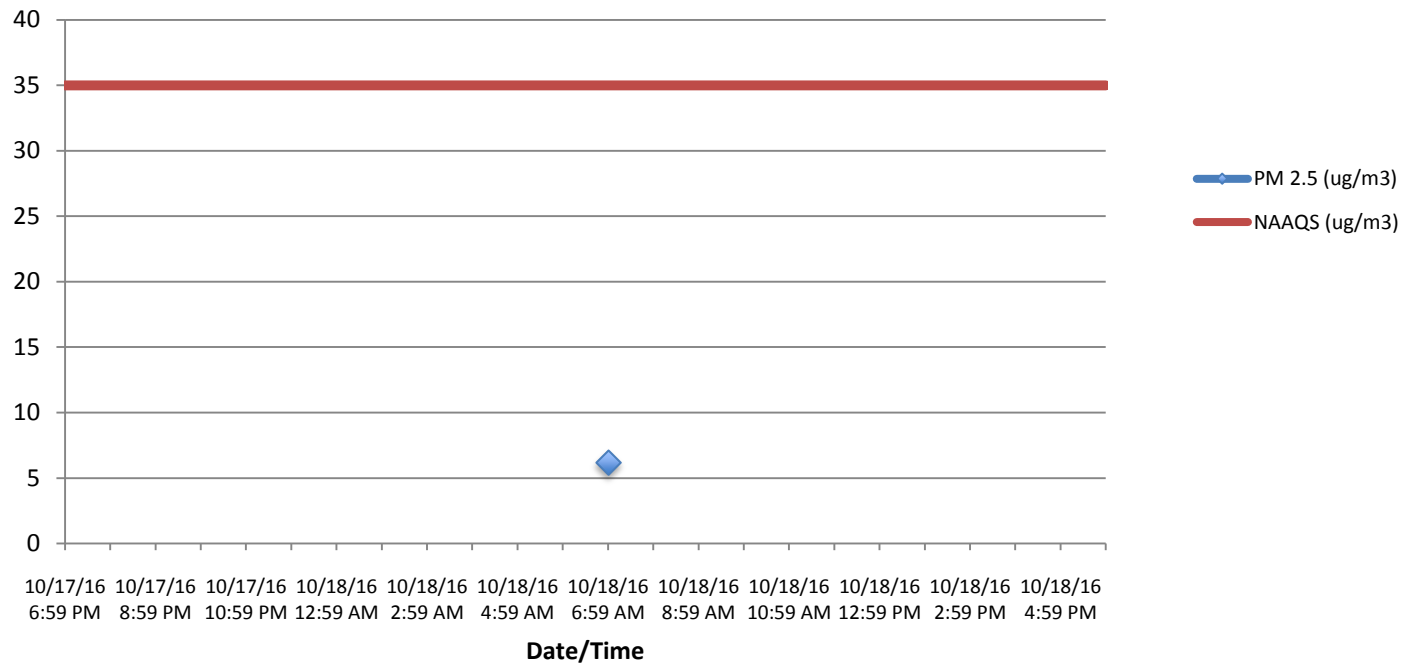
Hourly Averages SO2 (ppb)



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)

