

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden North

Start Time: 06-17-2016 1800 - End Time: 06-18-2016 1800

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

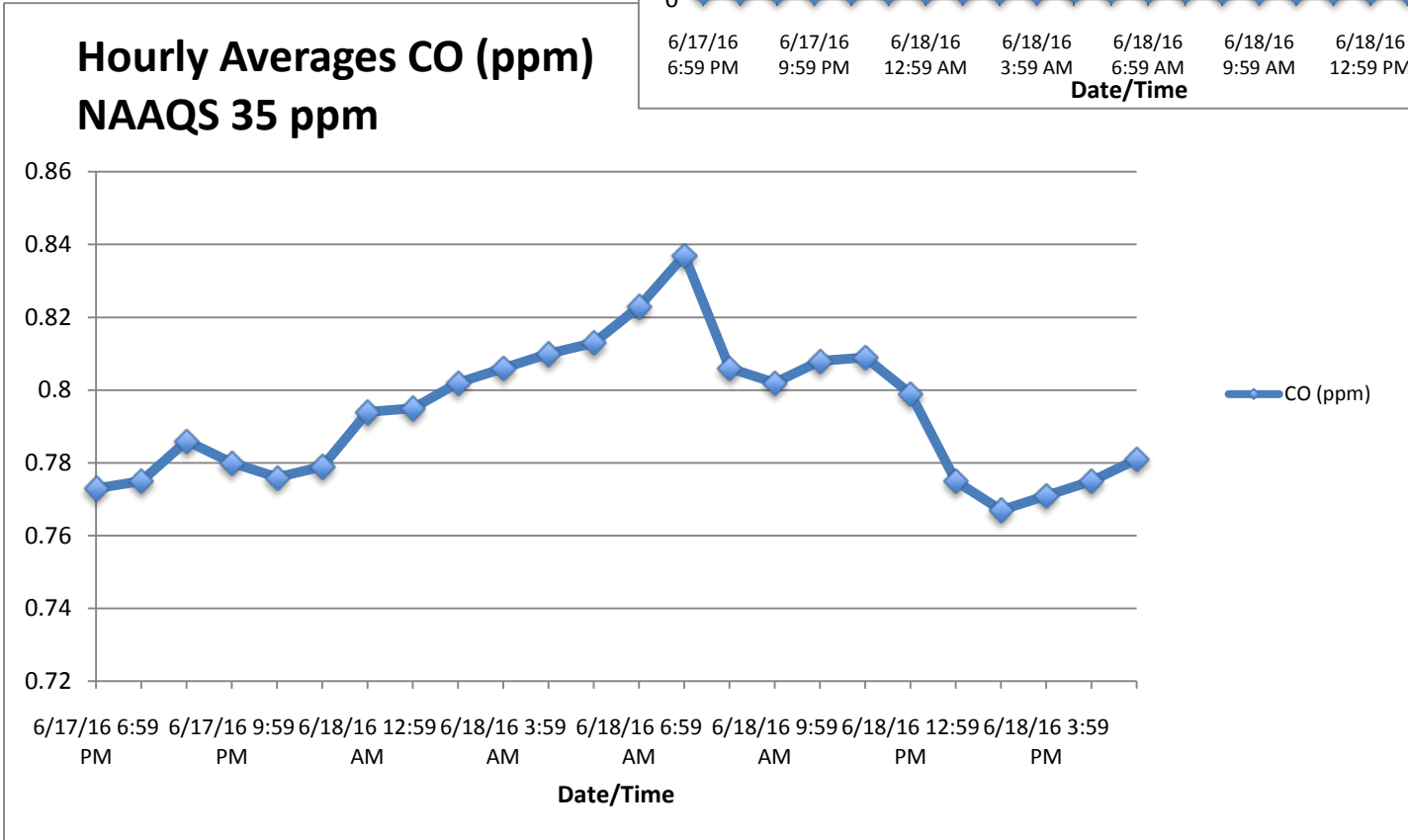
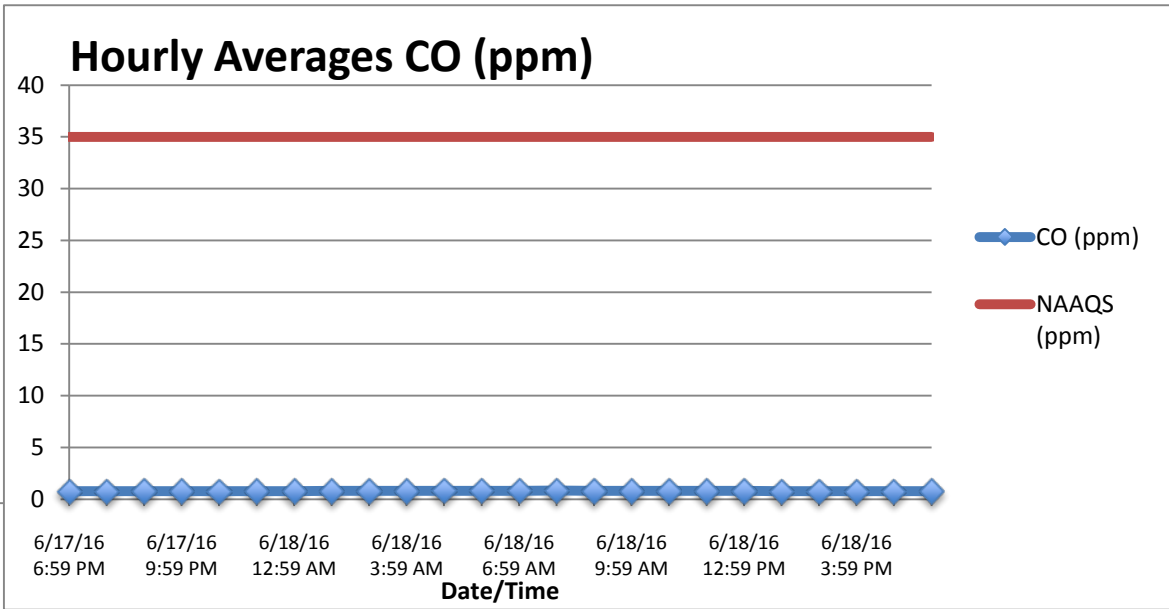
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

**** Note:** A heavy thunderstorm passed the site at 1300 CDT, dropping 0.45” of rain in 13 minutes. The storm caused an apparent momentary power interruption that caused a 2-minute gap in the gas analyzer data. Since the power glitch occurred at top of an hour, it affected two hourly measurement cycles of the BAM1020 for 1300 and 1400 CDT; PM_{2.5} data were lost for those two hours. All instruments returned to normal operations after the storm. The SO₂ analyzer will continue to undergo zero air purge through the weekend, and instrument flow will be monitored for improvement. Trailer conditions continue to be monitored for condensation.

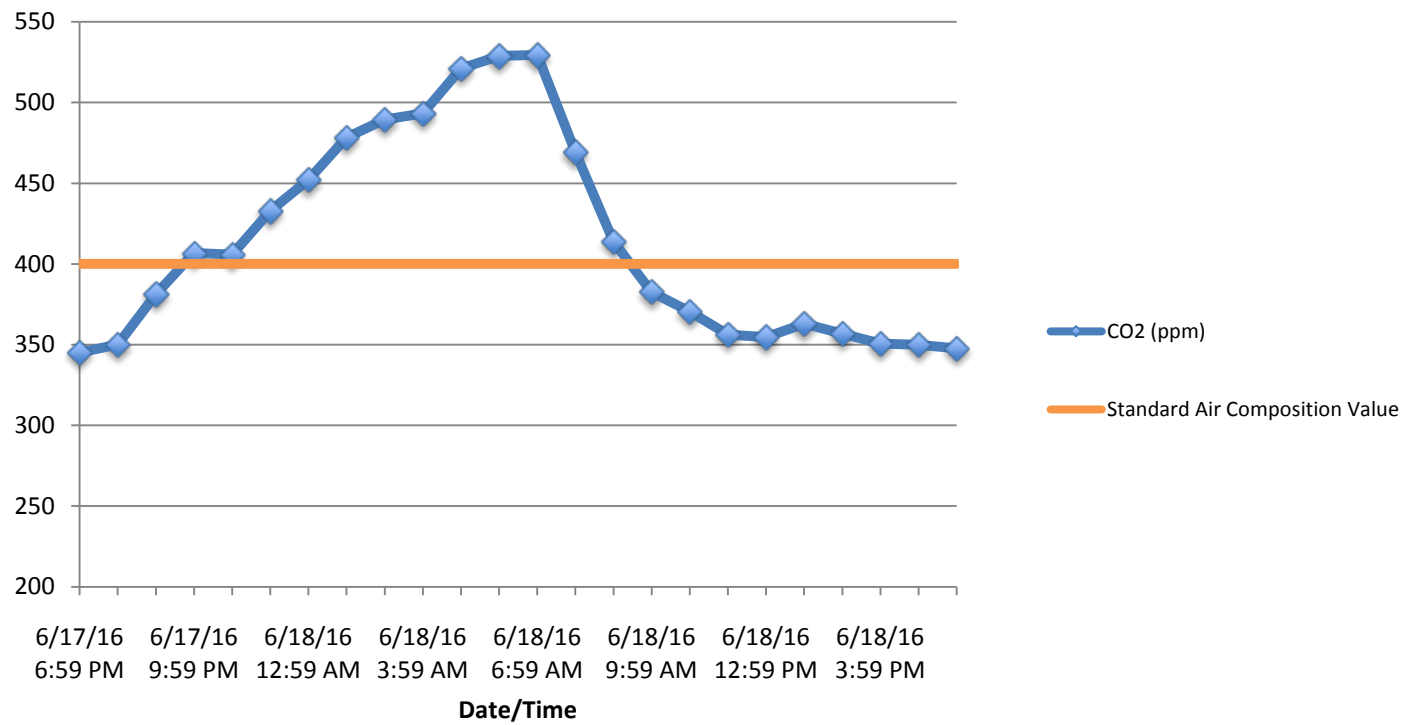
** Note: PM2.5 was captured in 60-min averages. All other analytes were captured in 1-min averages.

Summary for 18 June 2016 at Camp Minden North

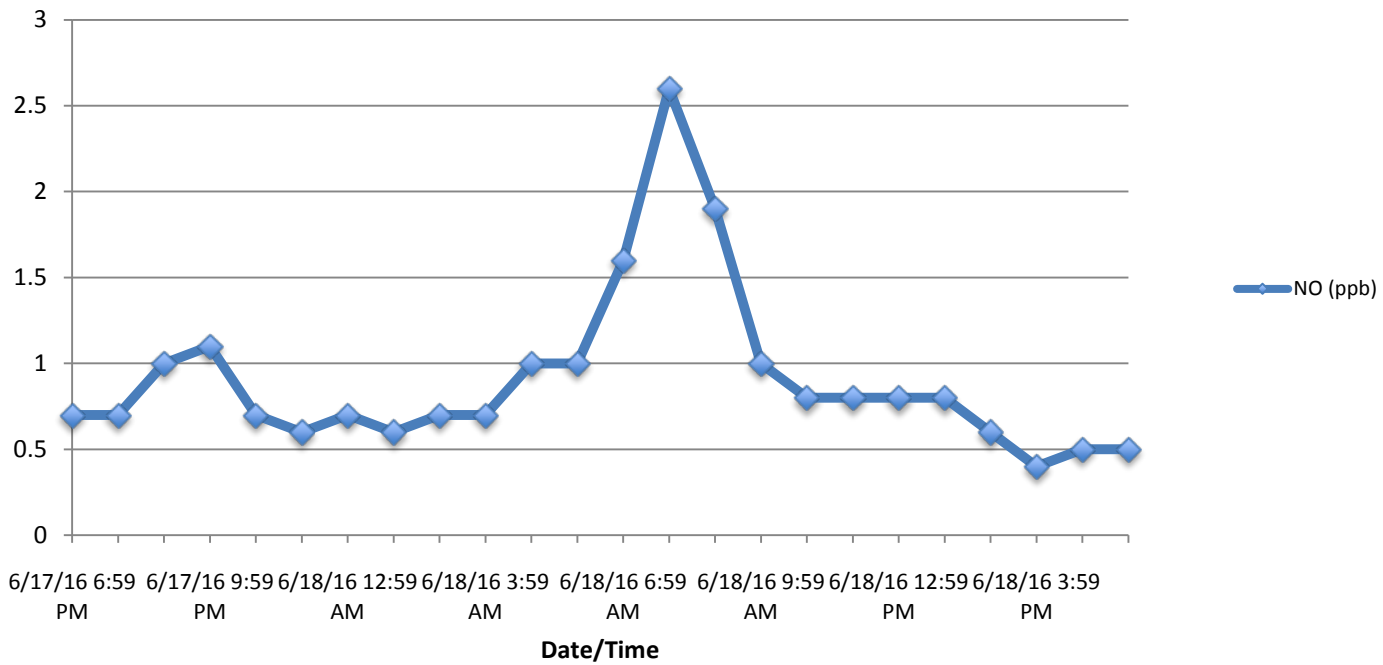
Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.837	1.099	ppm	35 (1-hour)
CO2	529.4	578.5	ppm	For Monitoring Only
NO	2.6	13.0	ppb	For Monitoring Only
NO2	2.3	5.0	ppb	100 (1-hour)
NOX	4.0	14.9	ppb	100 (1-hour)
SO2	0.0	0.0	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	11.6	20.1	ug/m3	35 (24-hour)



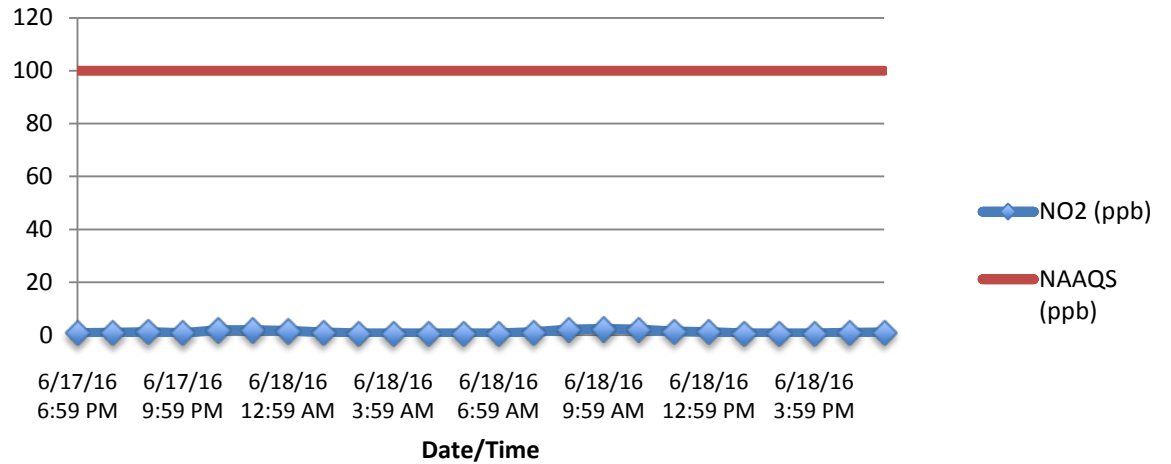
Hourly Averages CO2 (ppm) For Monitoring Only



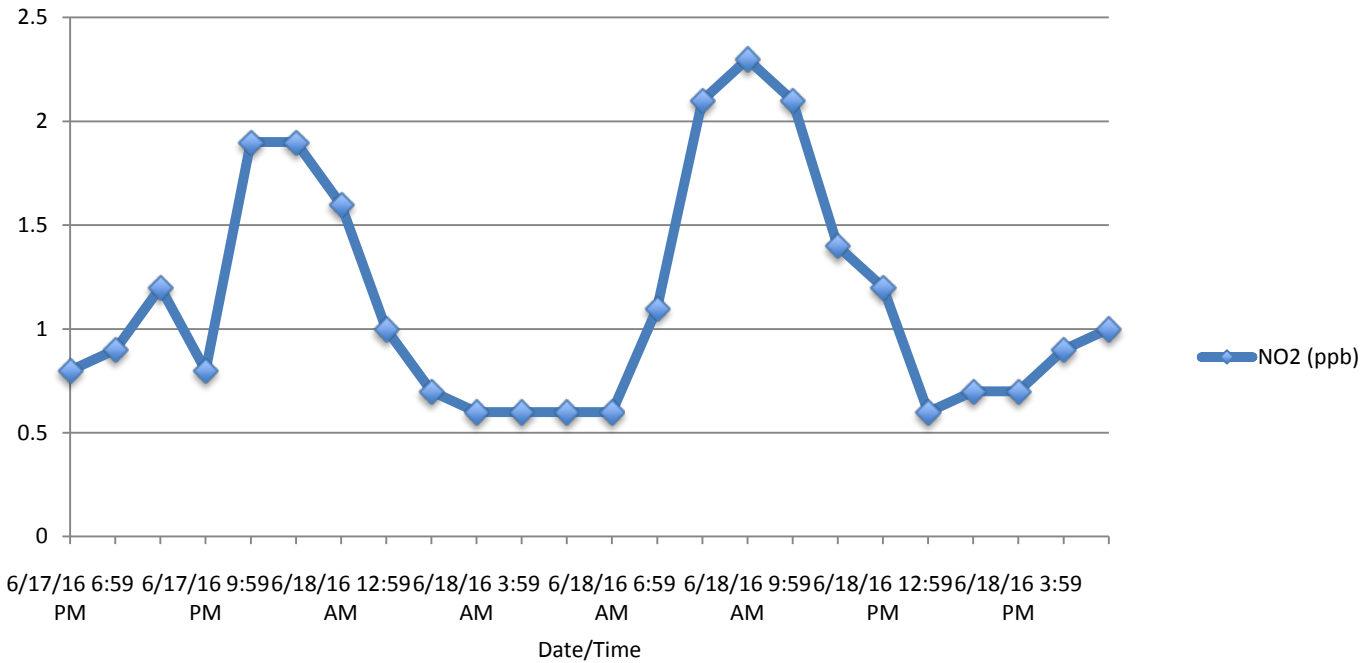
Hourly Averages NO (ppb) For Monitoring Only



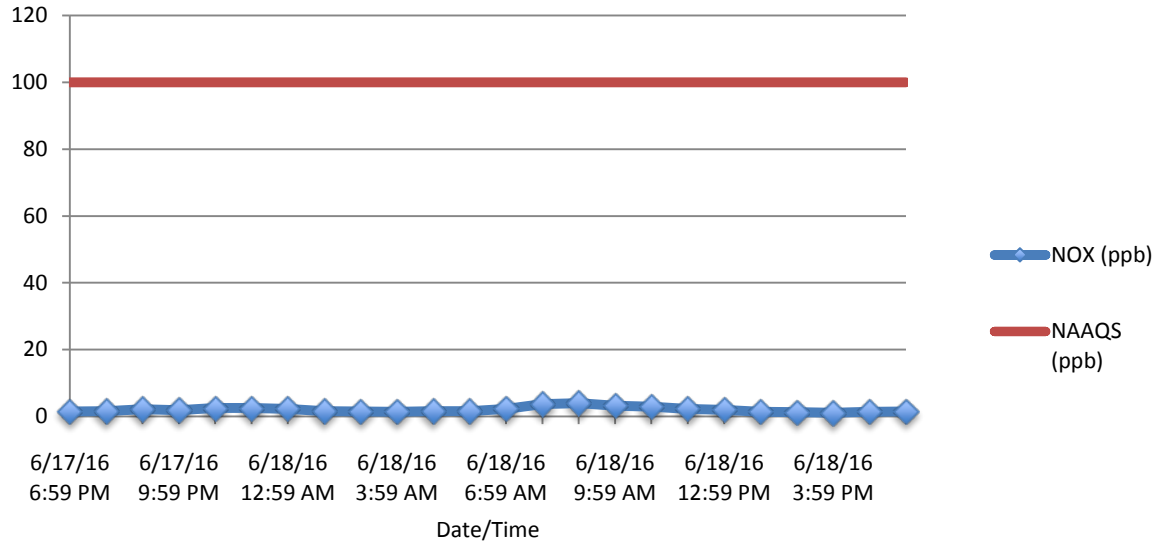
Hourly Averages NO2 (ppb)



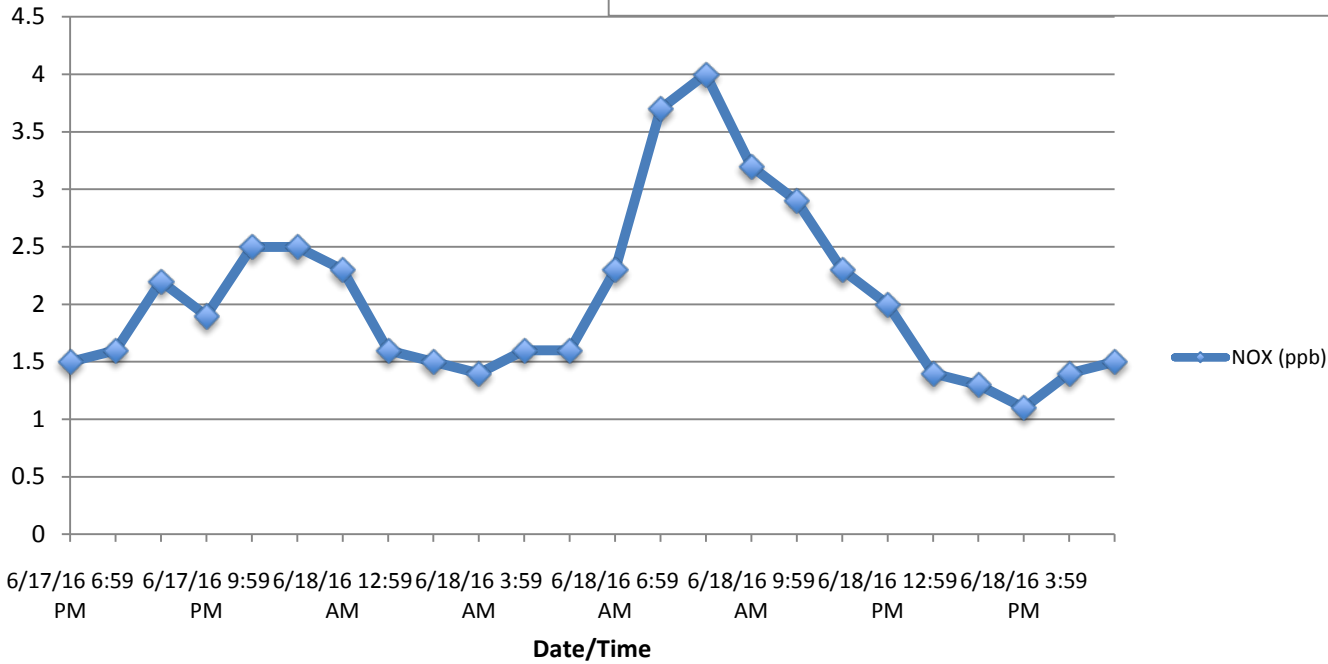
Hourly Averages NO2 (ppb) NAAQS 100 ppb



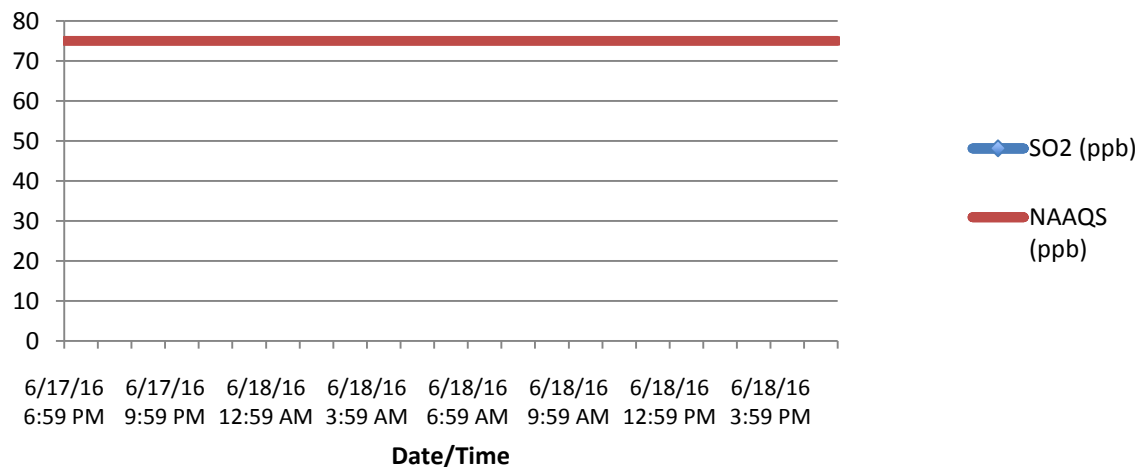
Hourly Averages NOX (ppb)



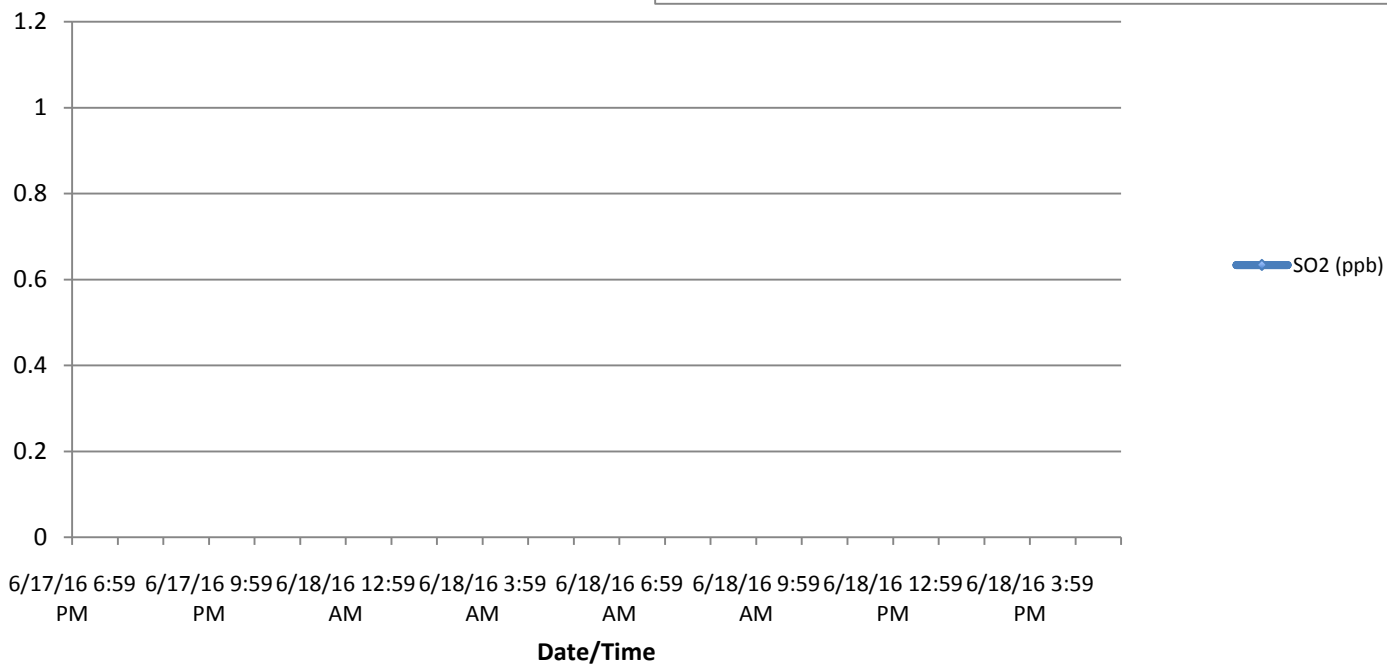
Hourly Averages NOX (ppb) NAAQS 100 ppb



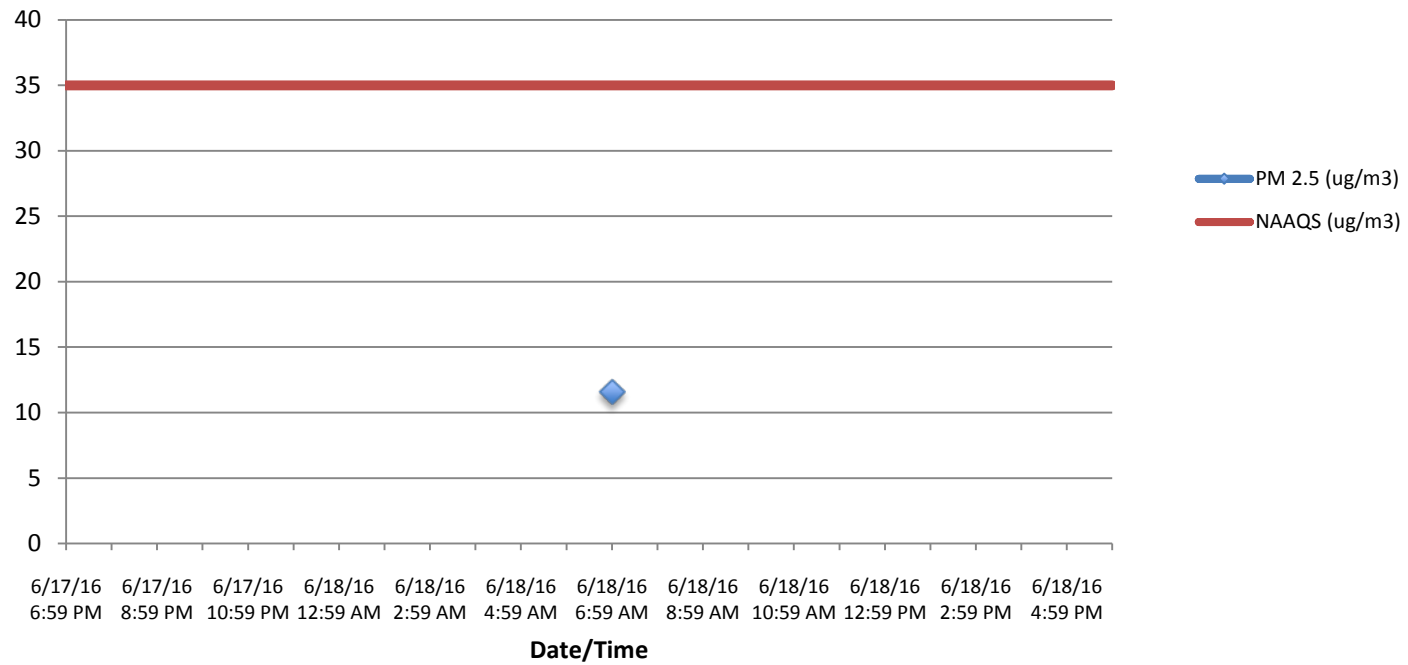
Hourly Averages SO2 (ppb)



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)

