

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden North

Start Time: 06-15-2016 1800 - End Time: 06-16-2016 1800

June 16, 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 15, 2016 1800 through June 16, 2016, 2016 1800
- 2 Highest measurement of each analyte from June 15, 2016 1800 through June 16, 2016 1800

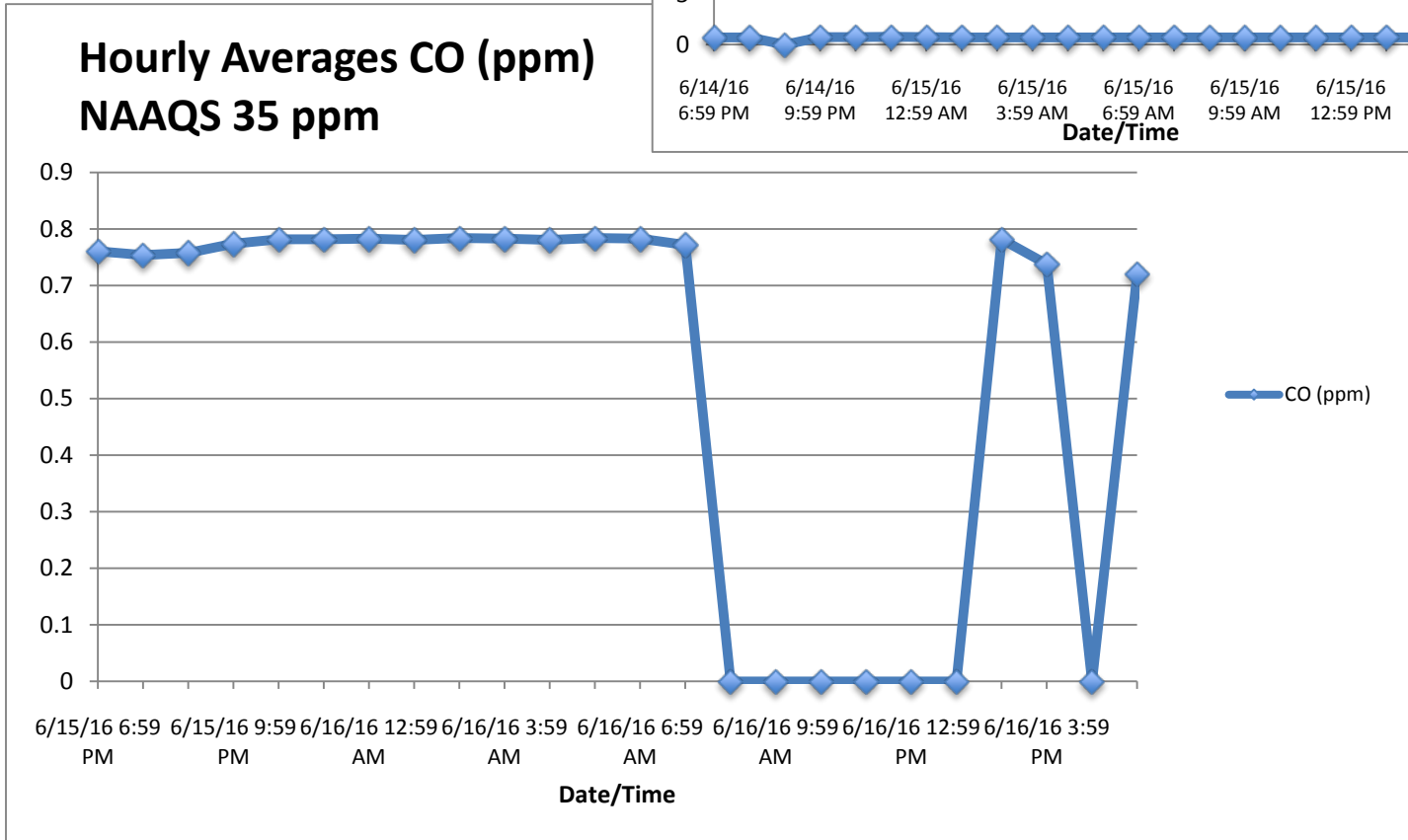
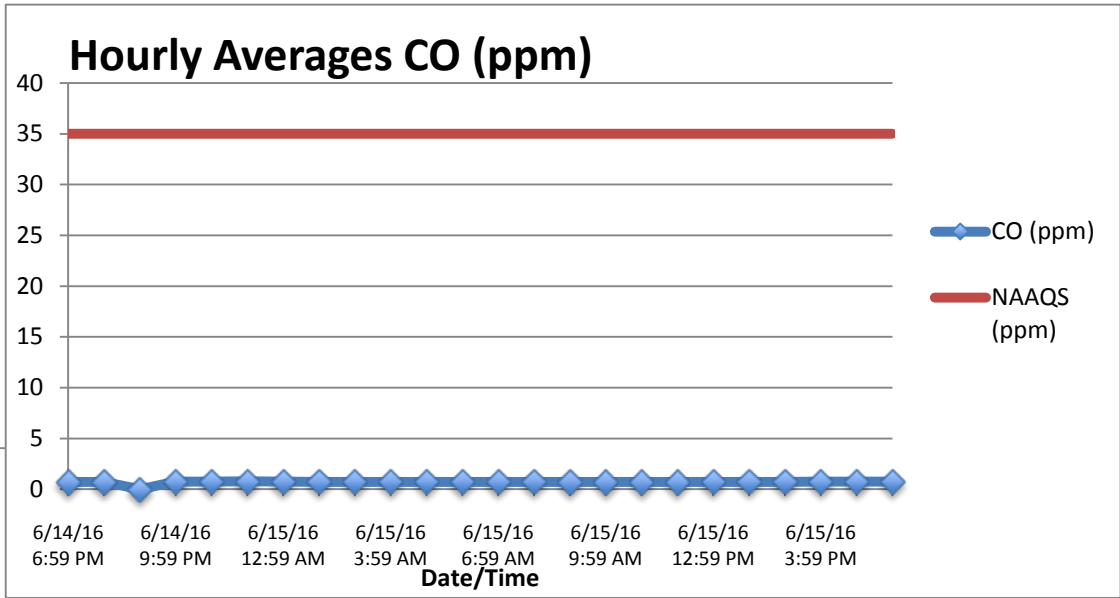
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

**** Note:** All analyzers except SO₂ & CO₂ were operating normally. SO₂ analyzer was undergoing zero air purge in attempt to resolve low flow being attributed to moisture. CO₂ still had no purge, and was experiencing interference from human presence. All analyzers were disconnected from ambient air manifold for several hours while all lines were blown clear of moisture and adjustments were made to system plumbing. These steps were in response to condensation that had developed in the tubing due to persistent high ambient humidity and low nighttime trailer temperatures over the past 10 days. No new condensation was observed overnight, with continuing persistent high ambient humidity. Efforts to clear moisture believed to have entered the SO₂ analyzer continue; progress will be monitored over the weekend, with reassessment on Monday morning.

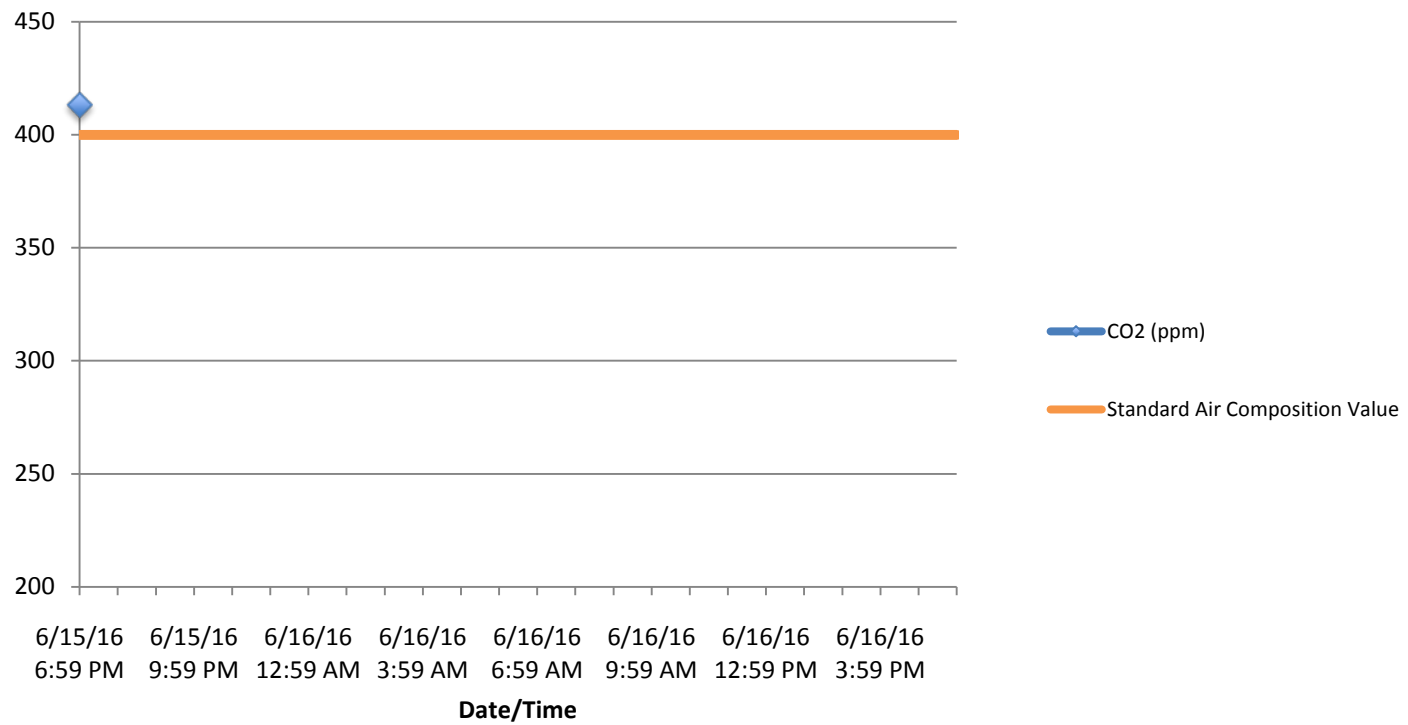
** Note: PM2.5 was captured in 60-min averages. All other analytes were captured in 1-min averages.

Summary for 16 June 2016 at Camp Minden North

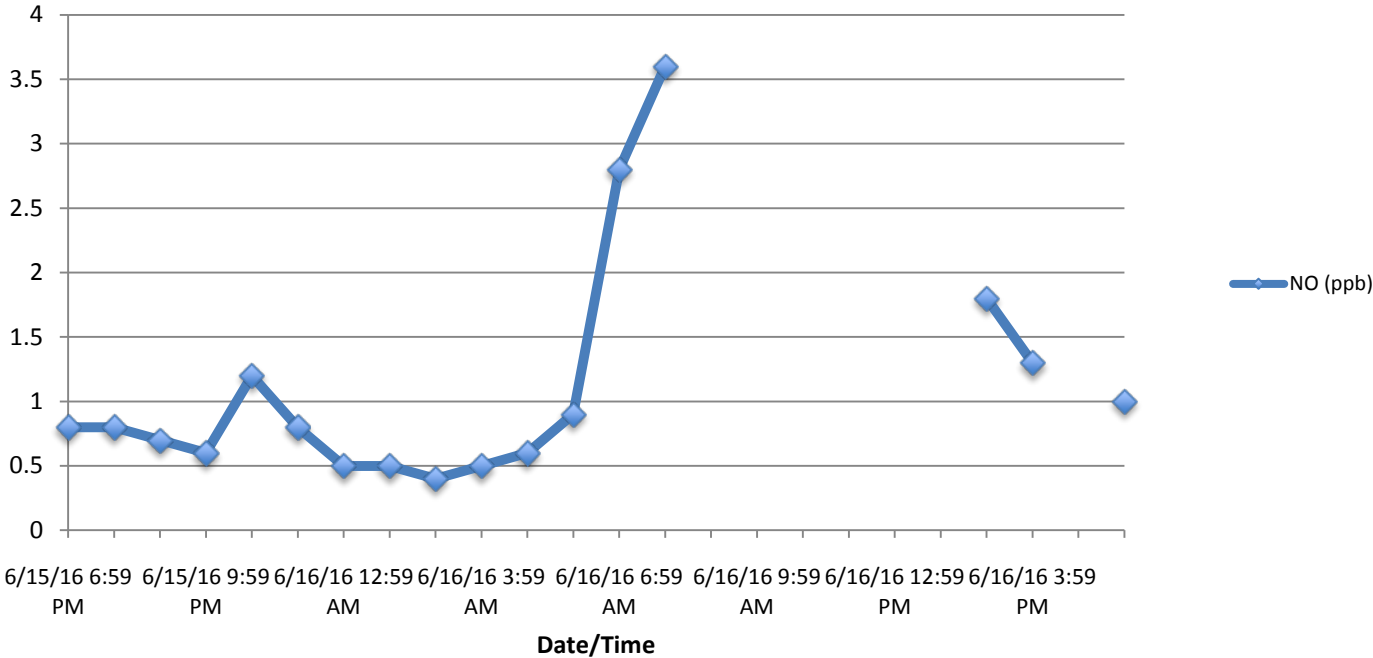
Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.784	1.170	ppm	35 (1-hour)
CO2	413.5	414.6	ppm	For Monitoring Only
NO	3.6	13.5	ppb	For Monitoring Only
NO2	3.4	6.8	ppb	100 (1-hour)
NOX	6.2	19.4	ppb	100 (1-hour)
SO2	0.0	1.1	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	18.9	26.3	ug/m3	35 (24-hour)



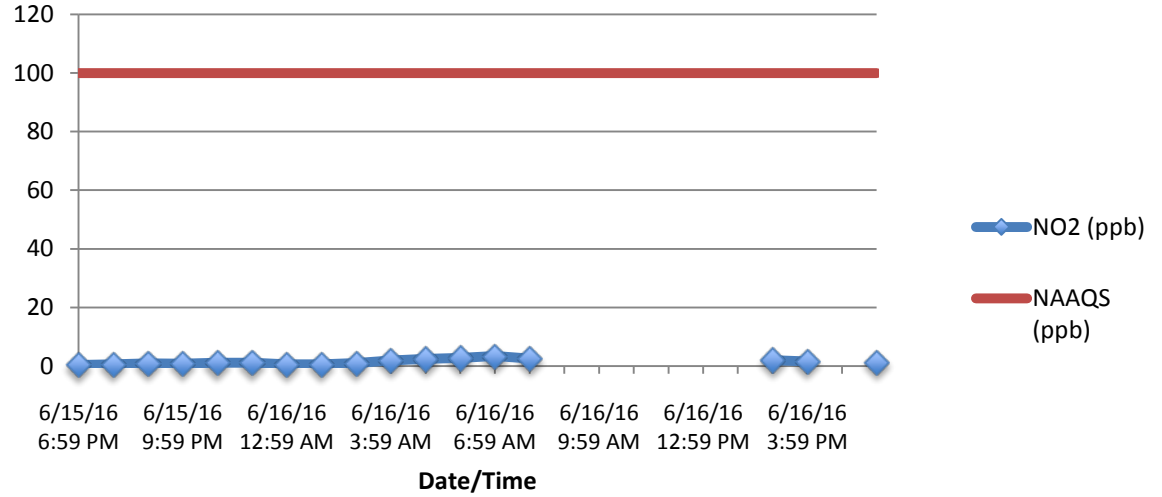
Hourly Averages CO2 (ppm) For Monitoring Only



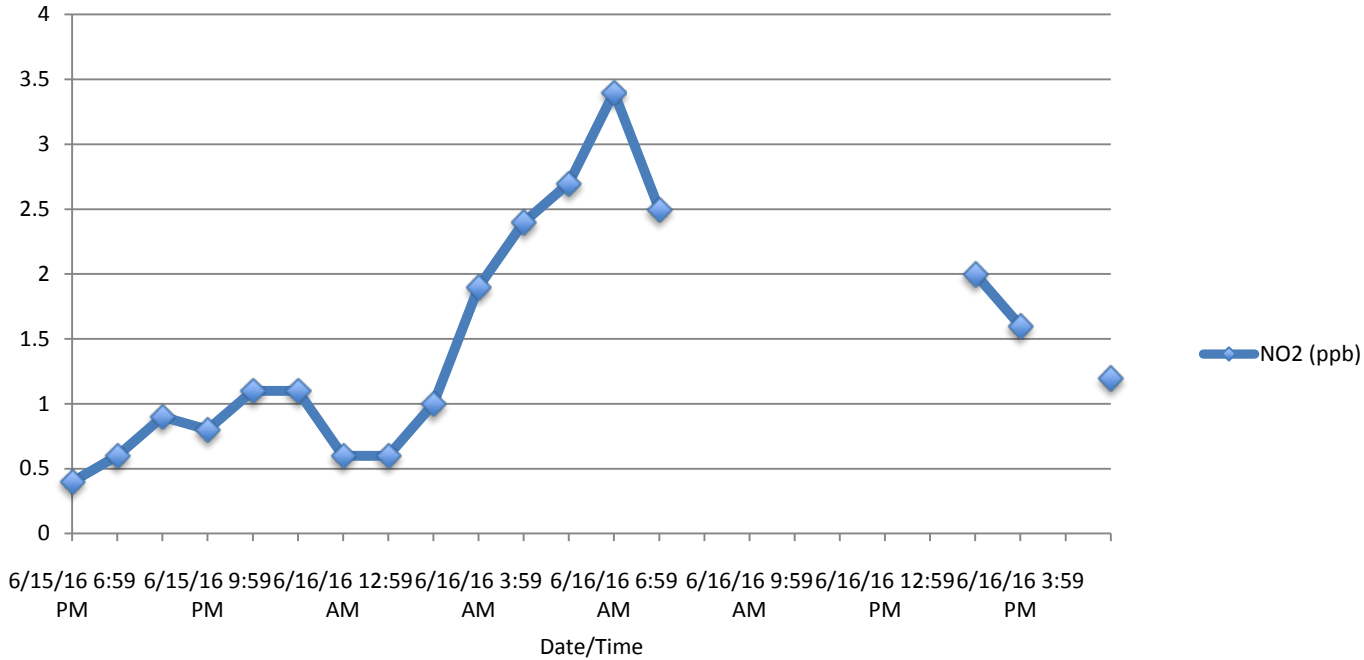
Hourly Averages NO (ppb) For Monitoring Only



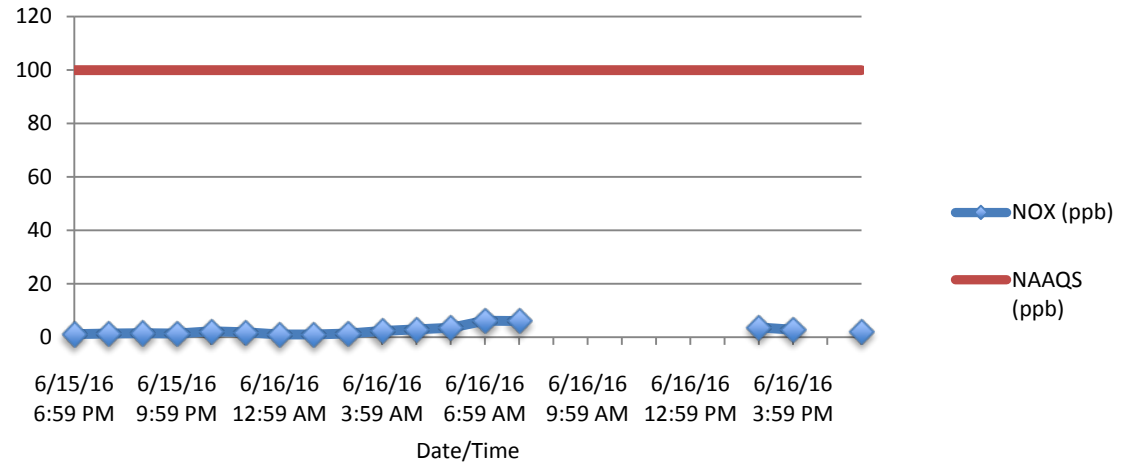
Hourly Averages NO2 (ppb)



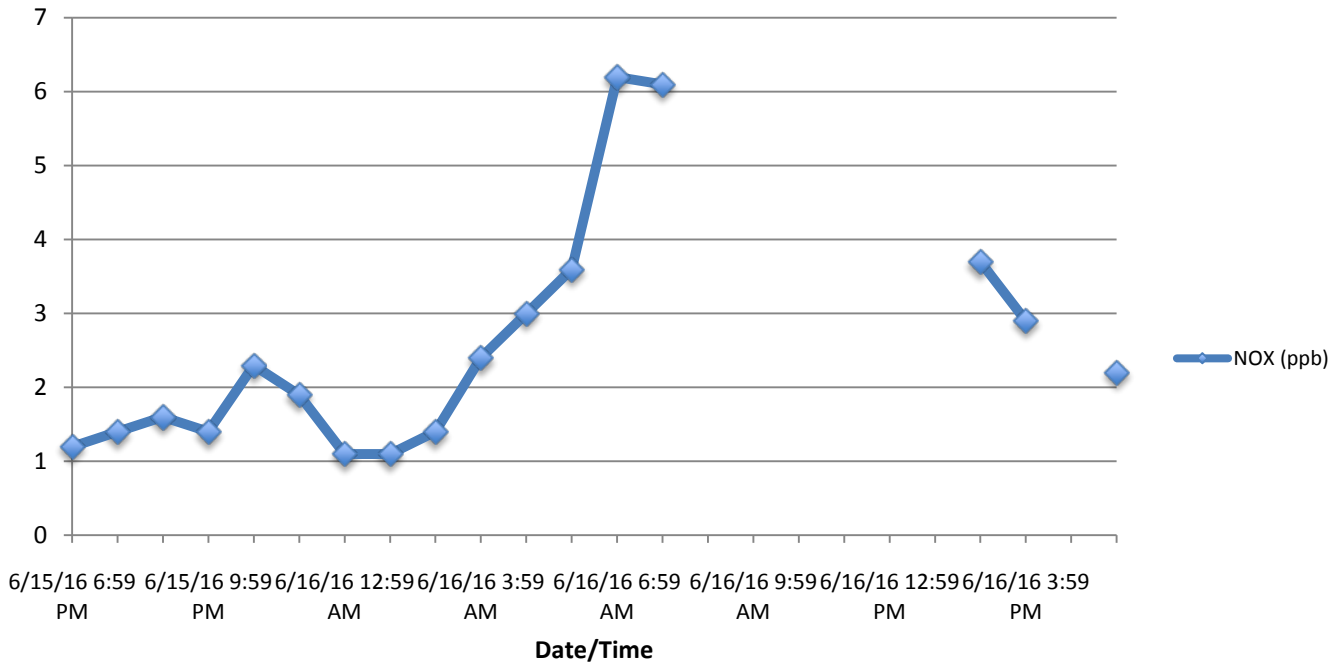
Hourly Averages NO2 (ppb) NAAQS 100 ppb



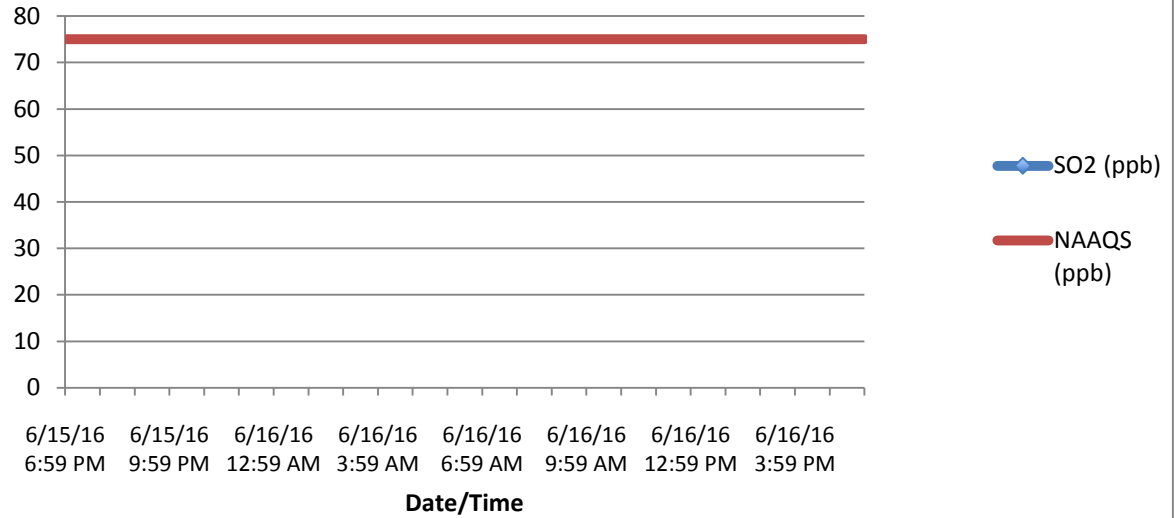
Hourly Averages NOX (ppb)



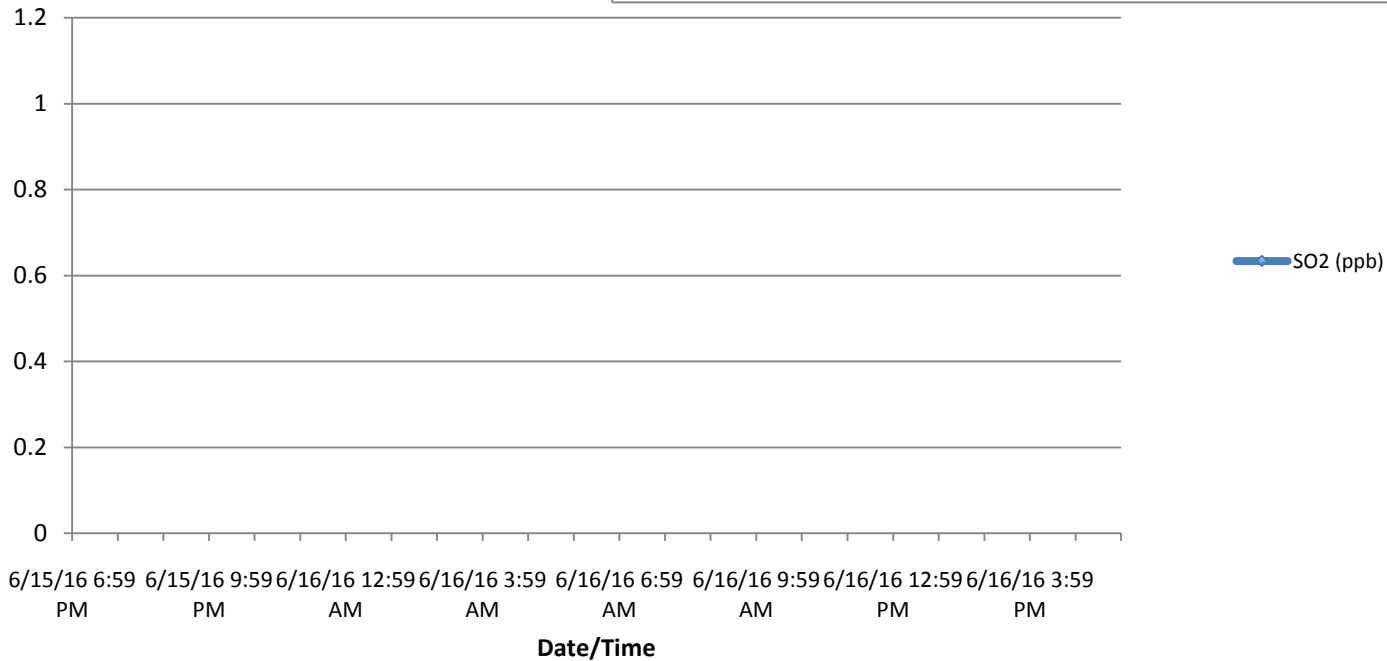
Hourly Averages NOX (ppb) NAAQS 100 ppb



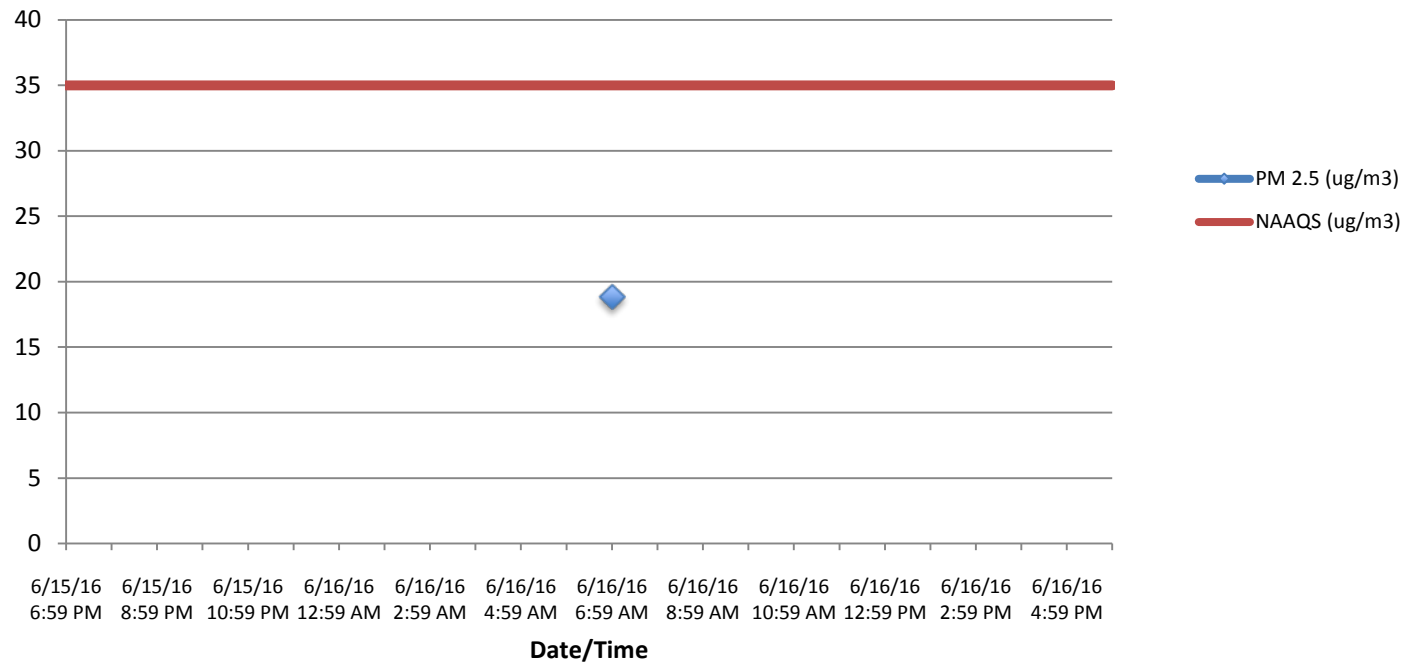
Hourly Averages SO2 (ppb)



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)

