

**FINAL**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Region VI**



**Air Monitoring Summary**

**Camp Minden North**

**Start Time: 07-14-2016 1800 - End Time: 07-15-2016 1800**

July 15, 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 July 14, 2016 1800 through July 15, 2016, 2016 1800
- 2 Highest measurement of each analyte from July 14, 2016 1800 through July 15, 2016 1800

National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO<sub>2</sub>, SO<sub>2</sub>, and PM<sub>2.5</sub>) 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>.

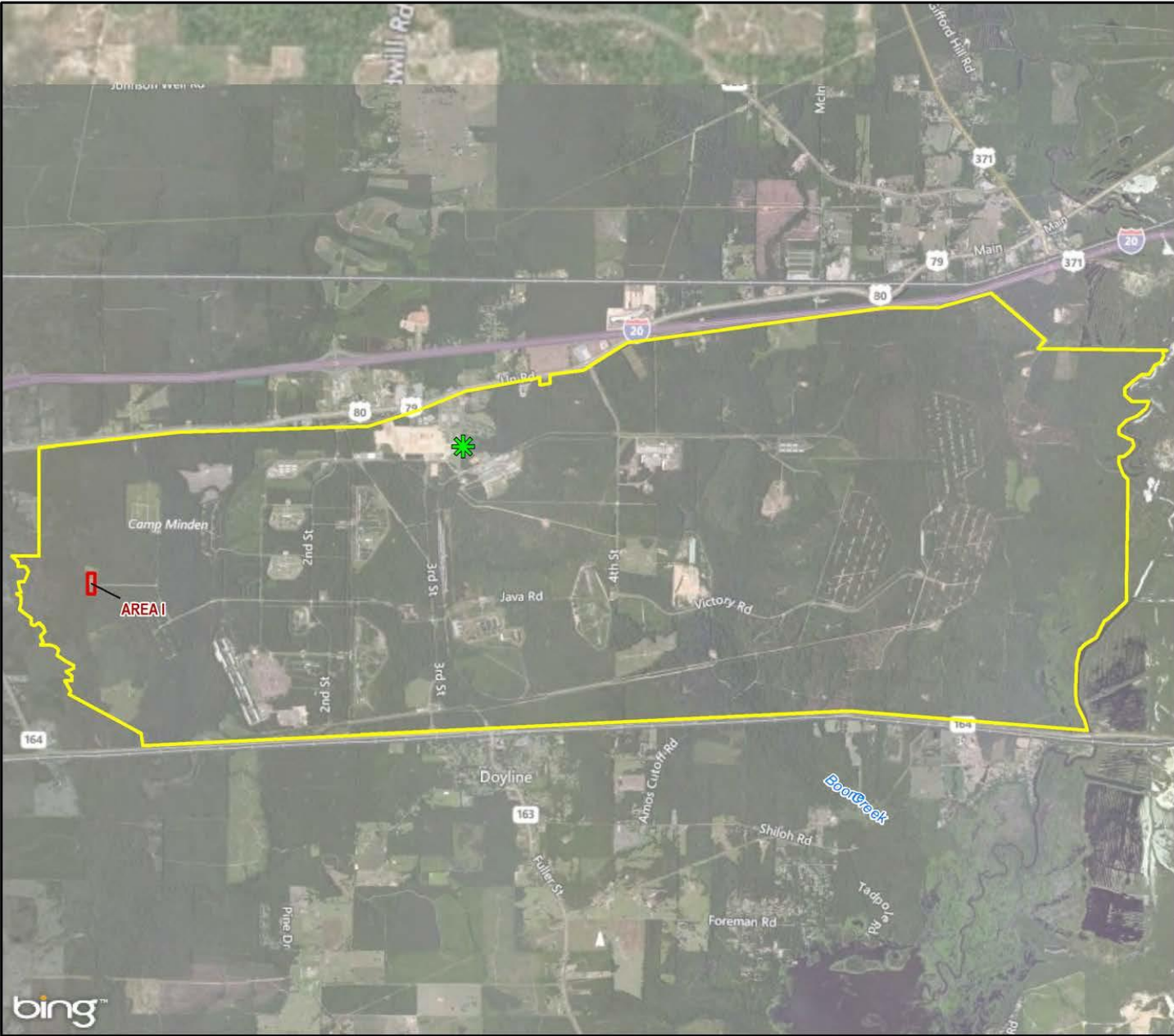
**\*\* Note:** PM<sub>2.5</sub> continues invalid due to flow issue. Check of flow rate with meter confirmed low flow condition. Process started to rent temporary replacement unit from Clean Air, for delivery as early as possible next week to minimize further downtime. Data will be downloaded from current unit, and troubleshooting will be pursued to extent possible on-site before replacement arrives.

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

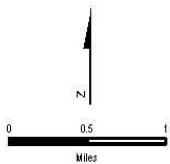
### Summary for 15 July 2016 at Camp Minden North

Analyte	Highest Hourly Average Measurement	Highest Measurement	Units	NAAQS Standard
CO	0.177	1.344	ppm	35 (1-hour)
CO2	514.0	522.6	ppm	For Monitoring Only
NO	3.9	98.2	ppb	For Monitoring Only
NO2	8.6	71.0	ppb	100 (1-hour)
NOX	9.6	169.1	ppb	100 (1-hour)
SO2	0.3	0.7	ppb	75 (1-hour)
Analyte	Average 24-hour Measurement	Highest Measurement	Units	NAAQS Standard
PM 2.5	0	0	ug/m3	35 (24-hour)

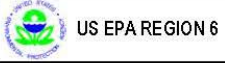
# Camp Minden North Station Location Map for 15 July 2016



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



TDD NO. 141257042-14-15  
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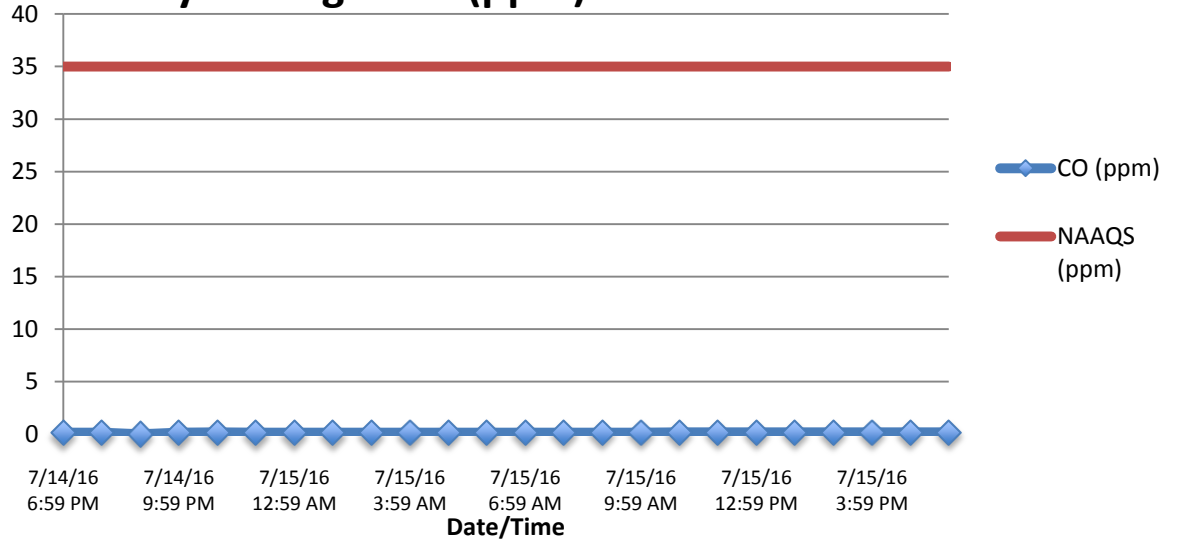
**CAMP MINDEN NORTH  
 AMBIENT AIR MONITORING  
 LOCATION MAP**  
 EXPLO SYSTEMS  
 1600 JAVA ROAD  
 MINDEN, WEBSTER PARISH, LOUISIANA

DATE	PROJECT NO.	SCALE
APRIL 2016	EXPLO-2016-1009-01	AS SHOWN

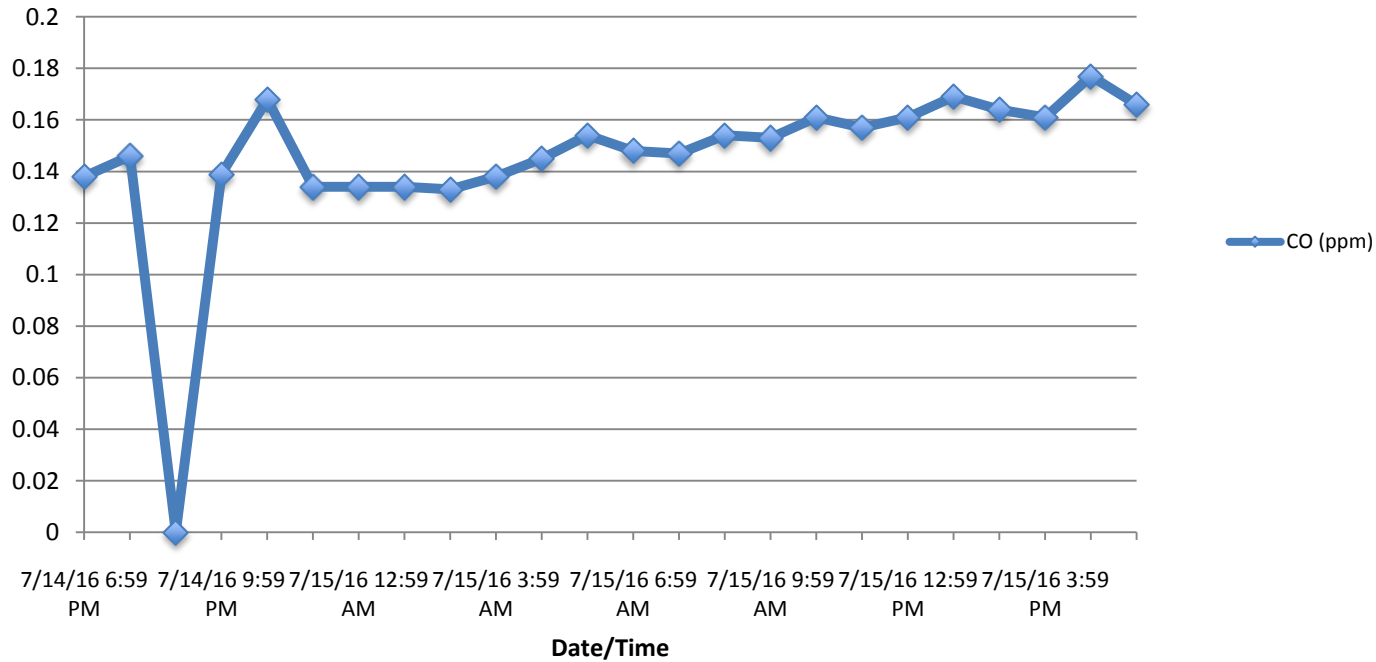
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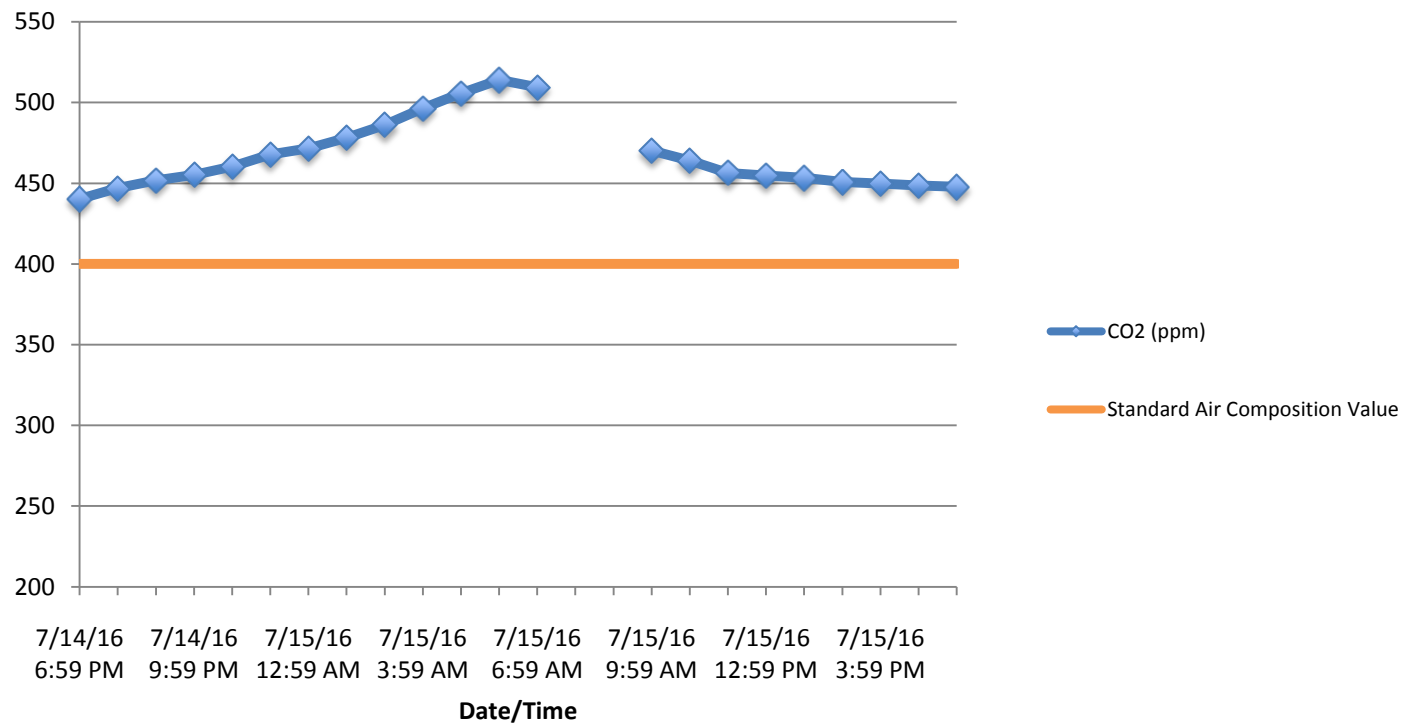
### Hourly Averages CO (ppm)



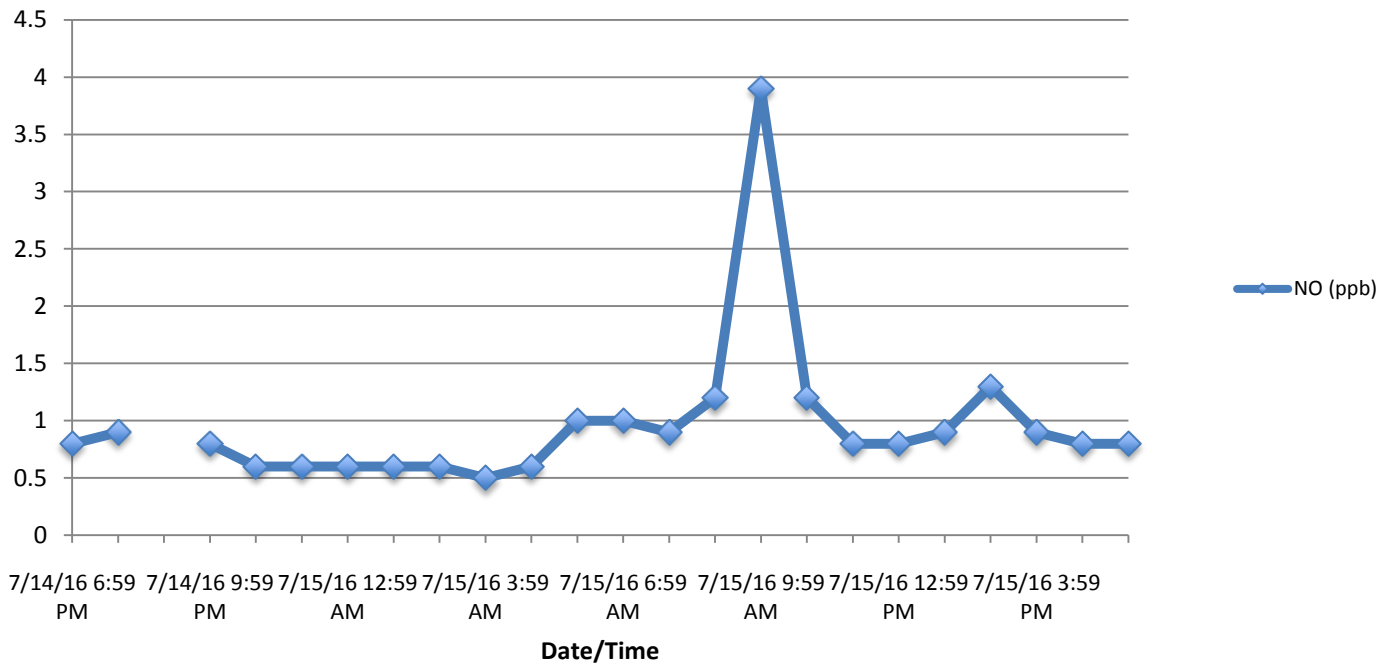
### Hourly Averages CO (ppm) NAAQS 35 ppm



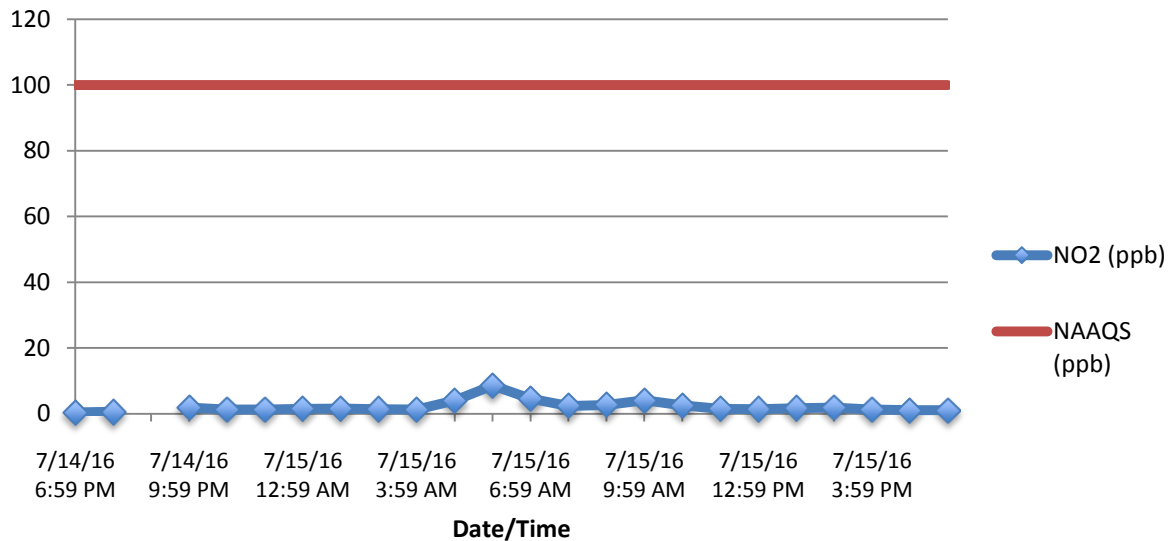
## Hourly Averages CO2 (ppm) For Monitoring Only



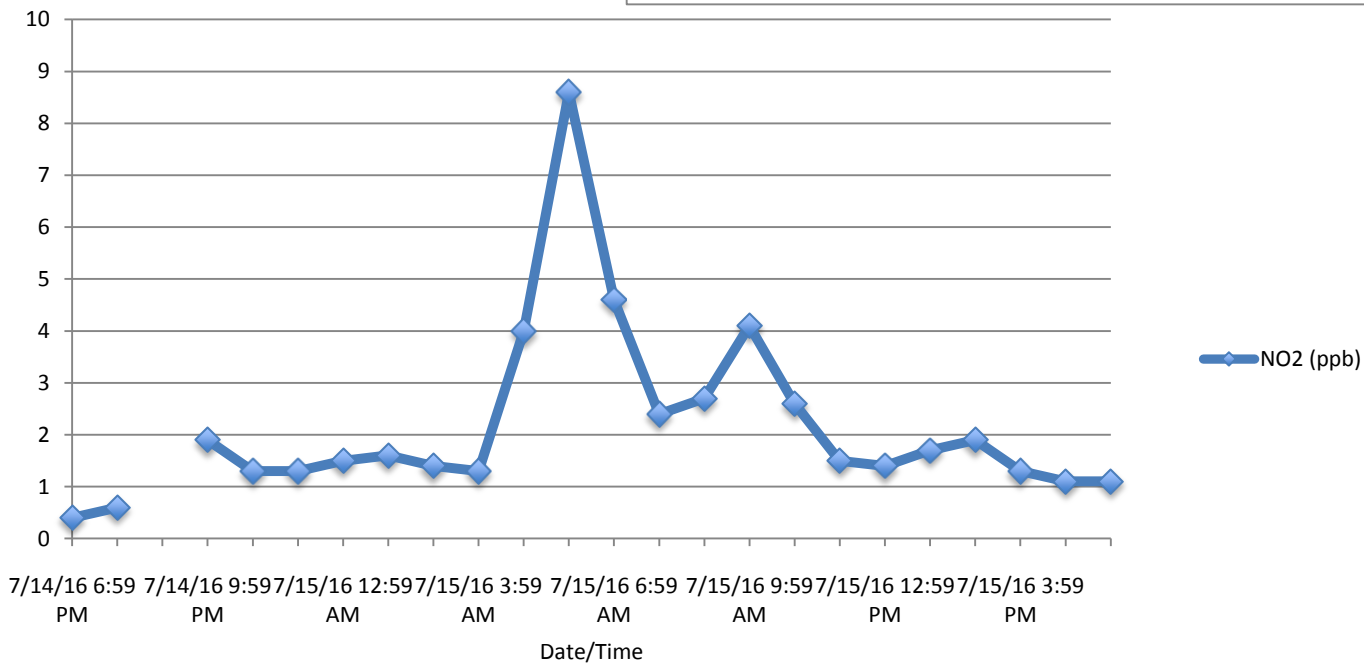
## Hourly Averages NO (ppb) For Monitoring Only



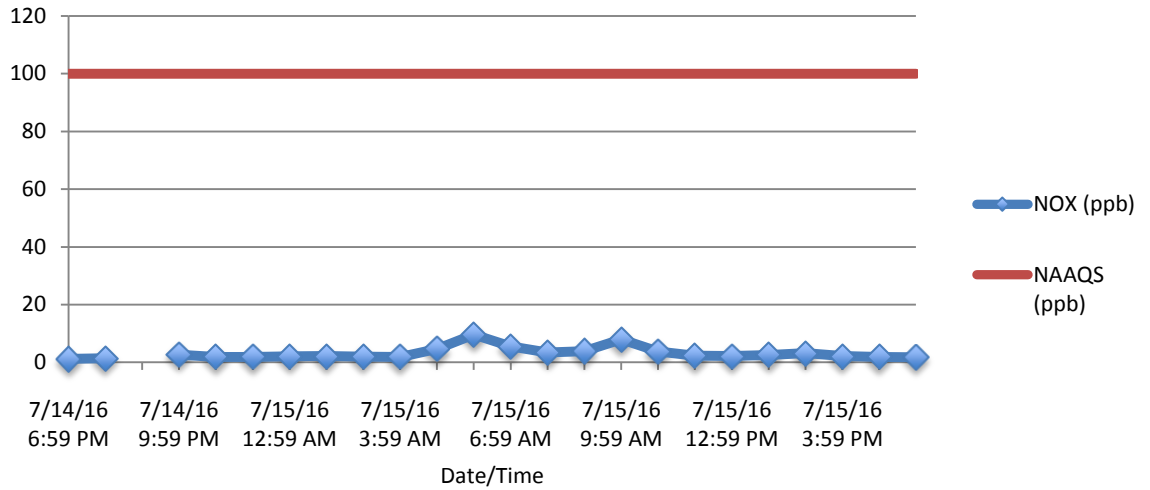
### Hourly Averages NO2 (ppb)



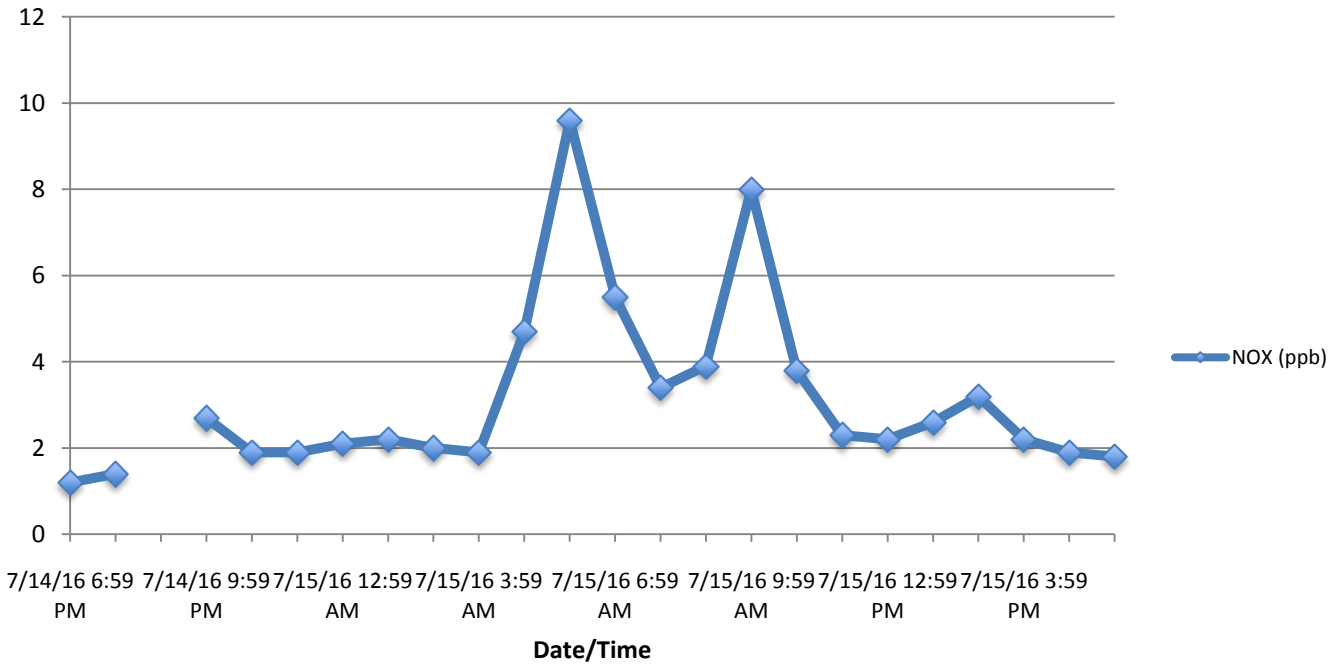
### Hourly Averages NO2 (ppb) NAAQS 100 ppb



### Hourly Averages NOX (ppb)

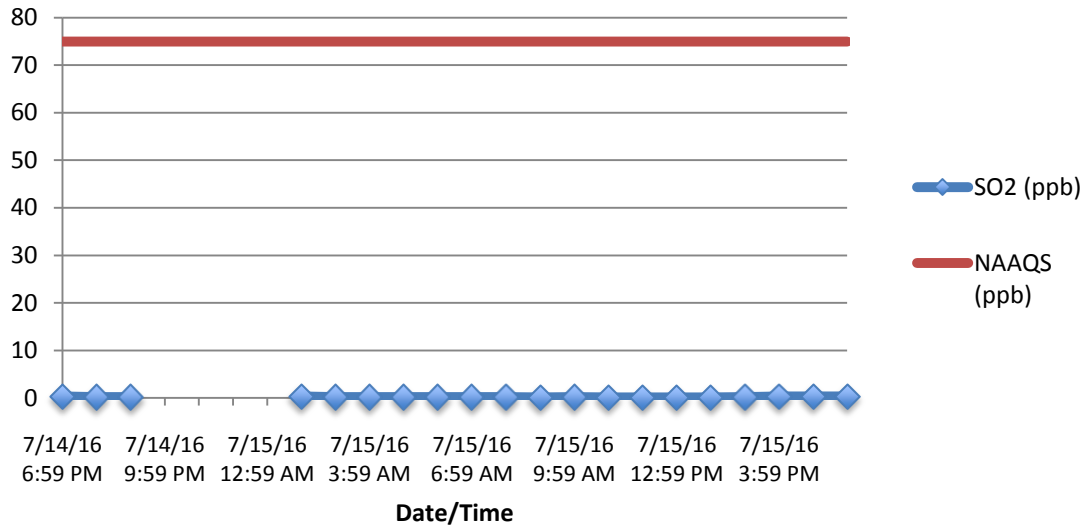


### Hourly Averages NOX (ppb) NAAQS 100 ppb

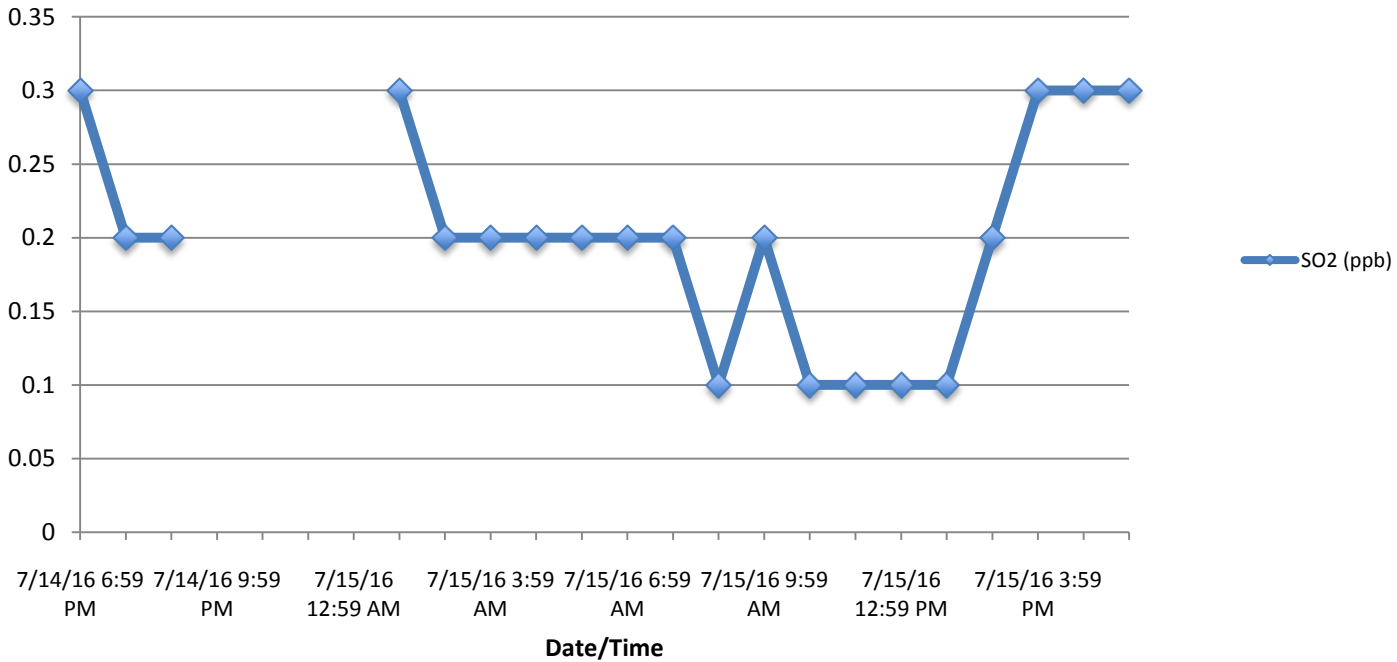




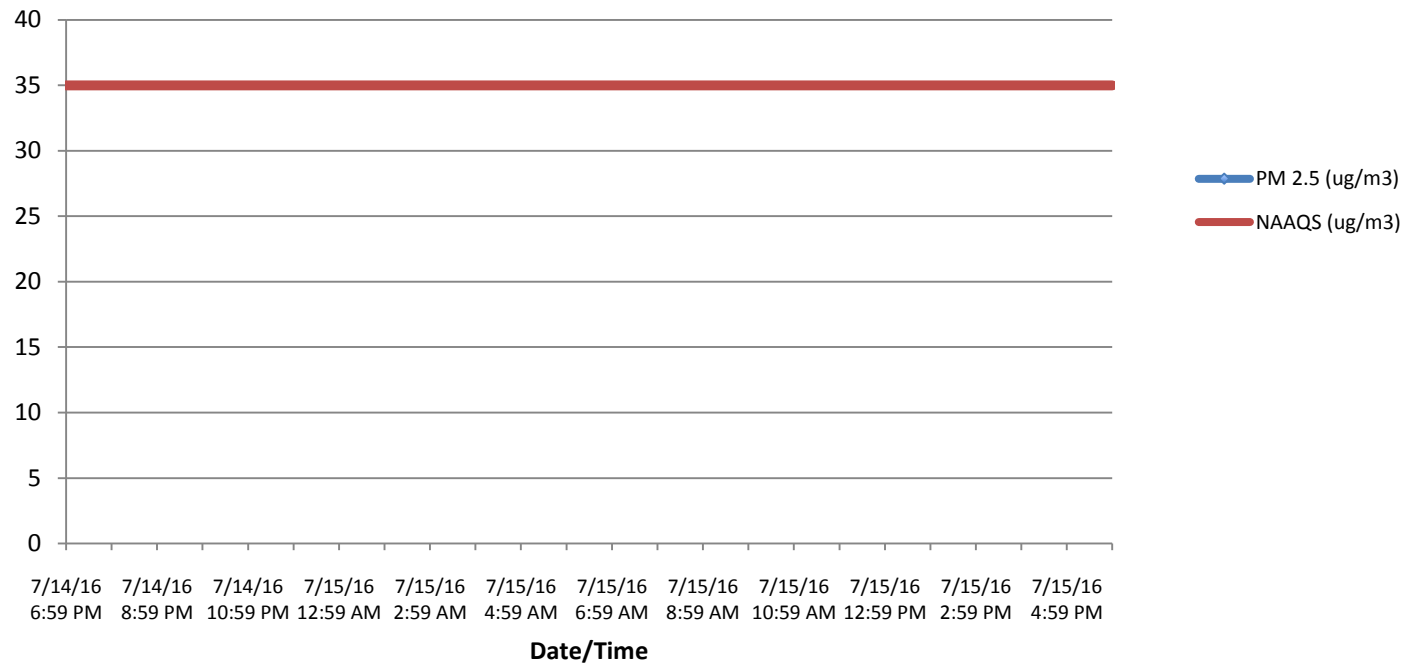
### Hourly Averages SO2 (ppb)



### 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)

