

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



**Air Monitoring Summary**

**Camp Minden North**

**Start Time: 06-20-2016 1800 - End Time: 06-21-2016 1800**

June 21, 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 20, 2016 1800 through June 21, 2016, 2016 1800
- 2 Highest measurement of each analyte from June 20, 2016 1800 through June 21, 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>.

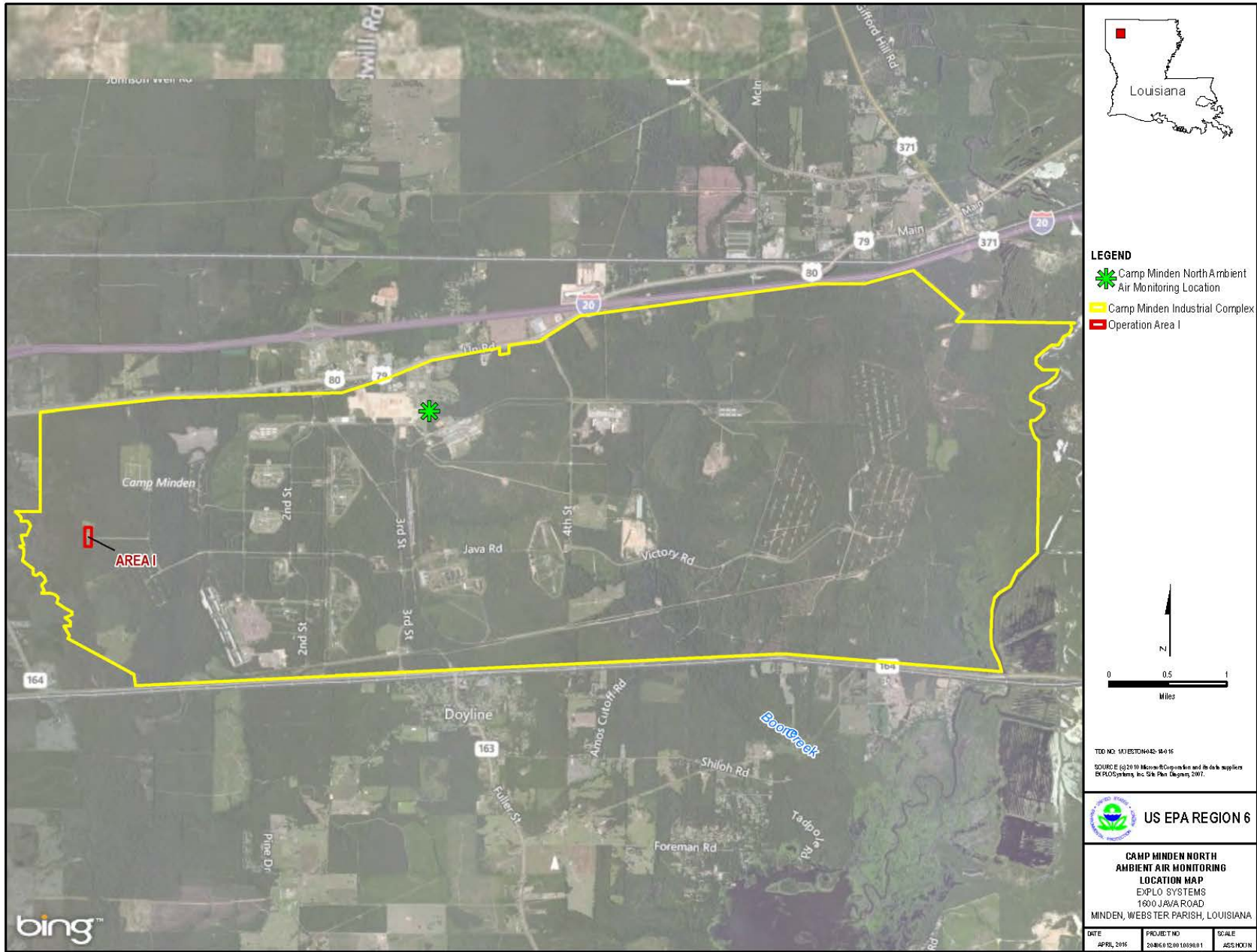
**\*\* Note:** All analyzers were operating normally except SO<sub>2</sub>; SO<sub>2</sub> continues offline until replacement analyzer arrives. There was a loss of data between 1056-1130 CDT due to Modbus communications disruption when the CO analyzer was disconnected and relocated on the rack. Data collection resumed normally after move. The analyzer was moved in order to moderate internal temperatures of instrument, since lowest slot on rack seems to be coolest (previous location of SO<sub>2</sub> analyzer). Monitoring for condensation will continue.

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

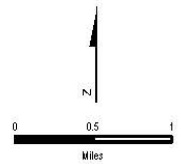
### Summary for 21 June 2016 at Camp Minden North

| Analyte | Highest Hourly Average Measurement | Highest Measurement | Units | NAAQS Standard      |
|---------|------------------------------------|---------------------|-------|---------------------|
| CO      | 0.864                              | 0.948               | ppm   | 35 (1-hour)         |
| CO2     | 479.0                              | 514.7               | ppm   | For Monitoring Only |
| NO      | 1.5                                | 8.5                 | ppb   | For Monitoring Only |
| NO2     | 2.3                                | 3.5                 | ppb   | 100 (1-hour)        |
| NOX     | 3.3                                | 10.8                | 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  | 9.66                               | 17.8                | ug/m3 | 35 (24-hour)        |

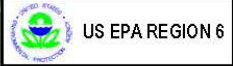
# Camp Minden North Station Location Map for 21 June 2016



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



TDD NO. 141257042-14-15  
SOURCE (S) 2016 Microsoft Corporation and its data suppliers  
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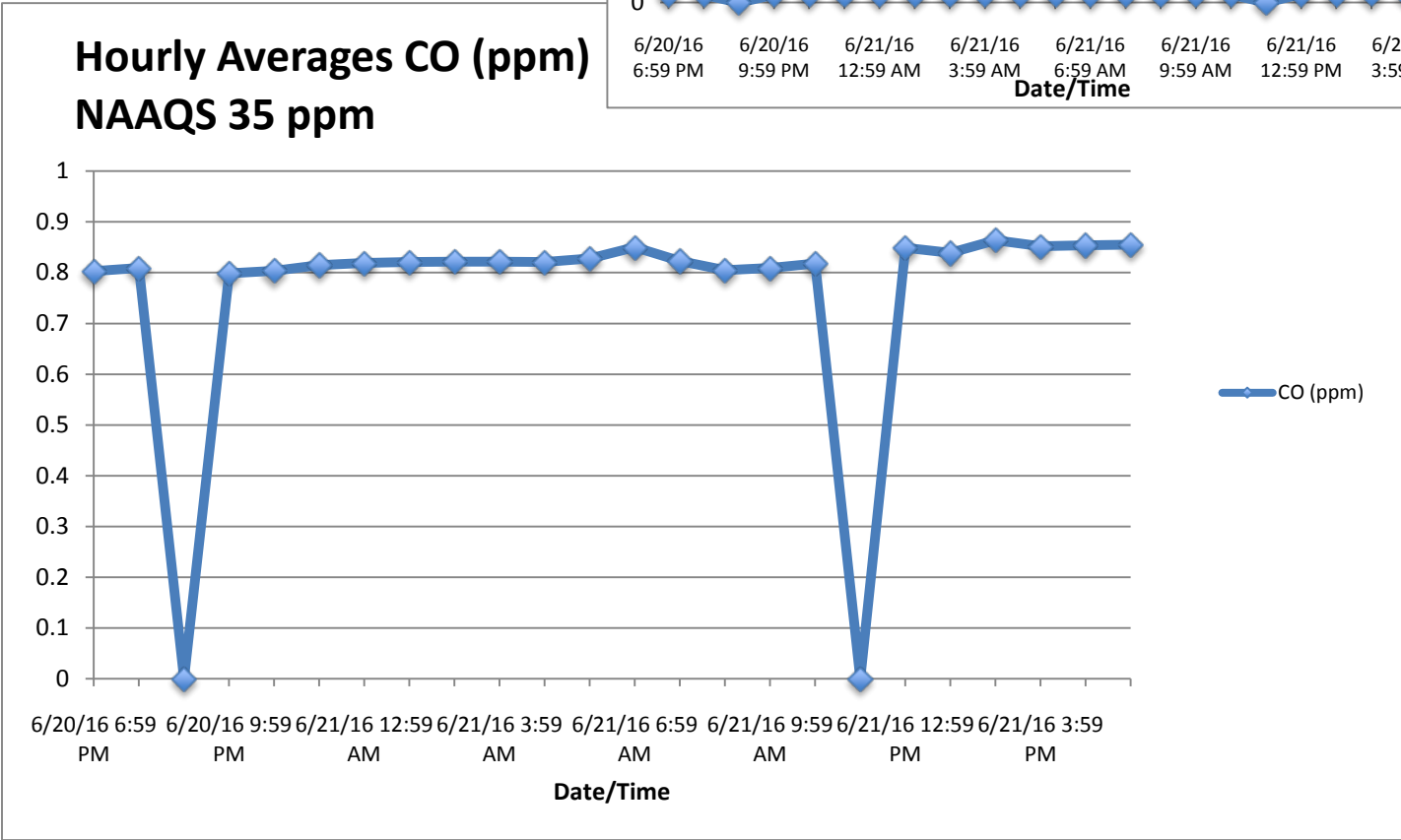
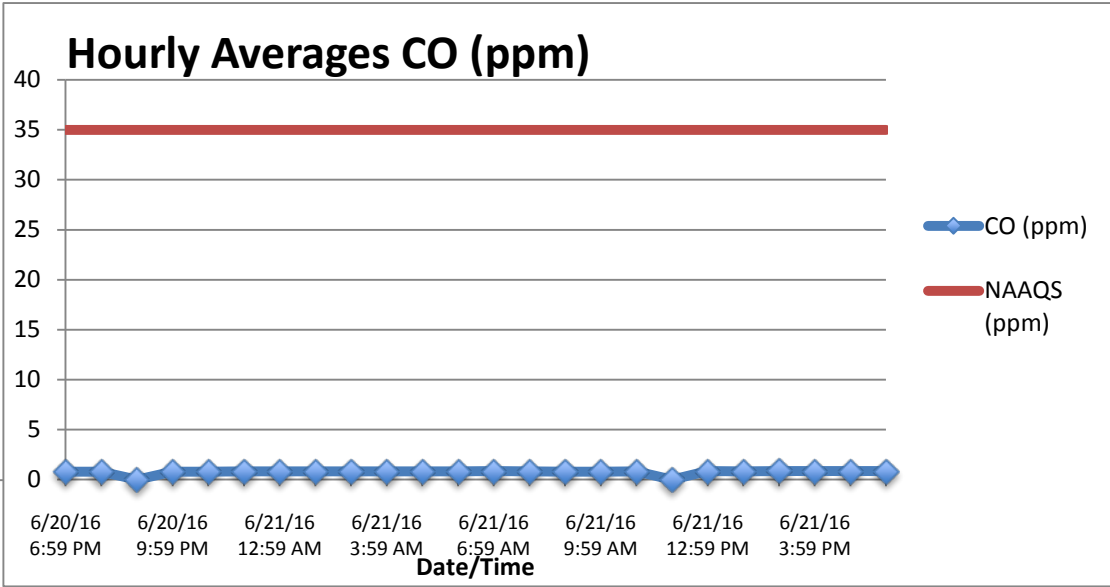


**CAMP MINDEN NORTH  
AMBIENT AIR MONITORING  
LOCATION MAP**  
EXPLO SYSTEMS  
1600 JAVA ROAD  
MINDEN, WEBSTER PARISH, LOUISIANA

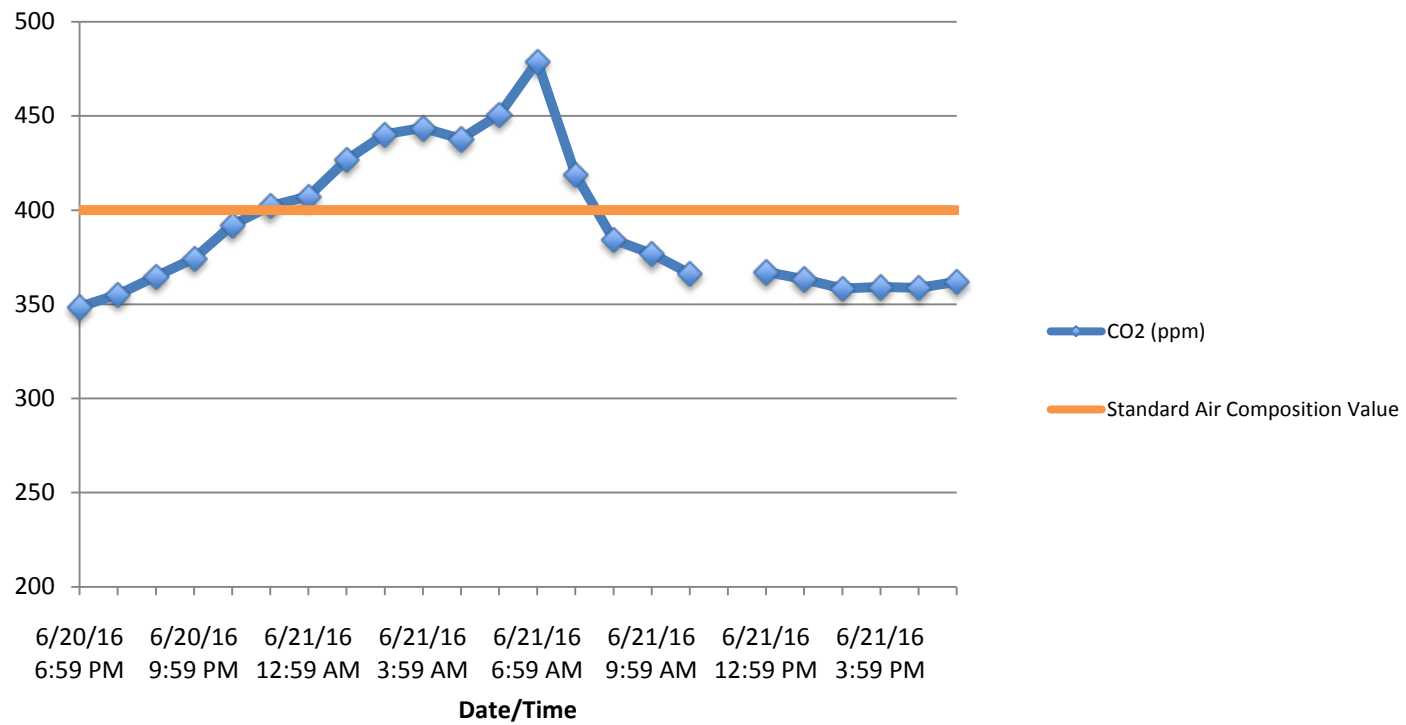
|            |                     |          |
|------------|---------------------|----------|
| DATE       | PROJECT NO          | SCALE    |
| APRIL 2016 | EXPLO-2016-10036-01 | AS SHOWN |

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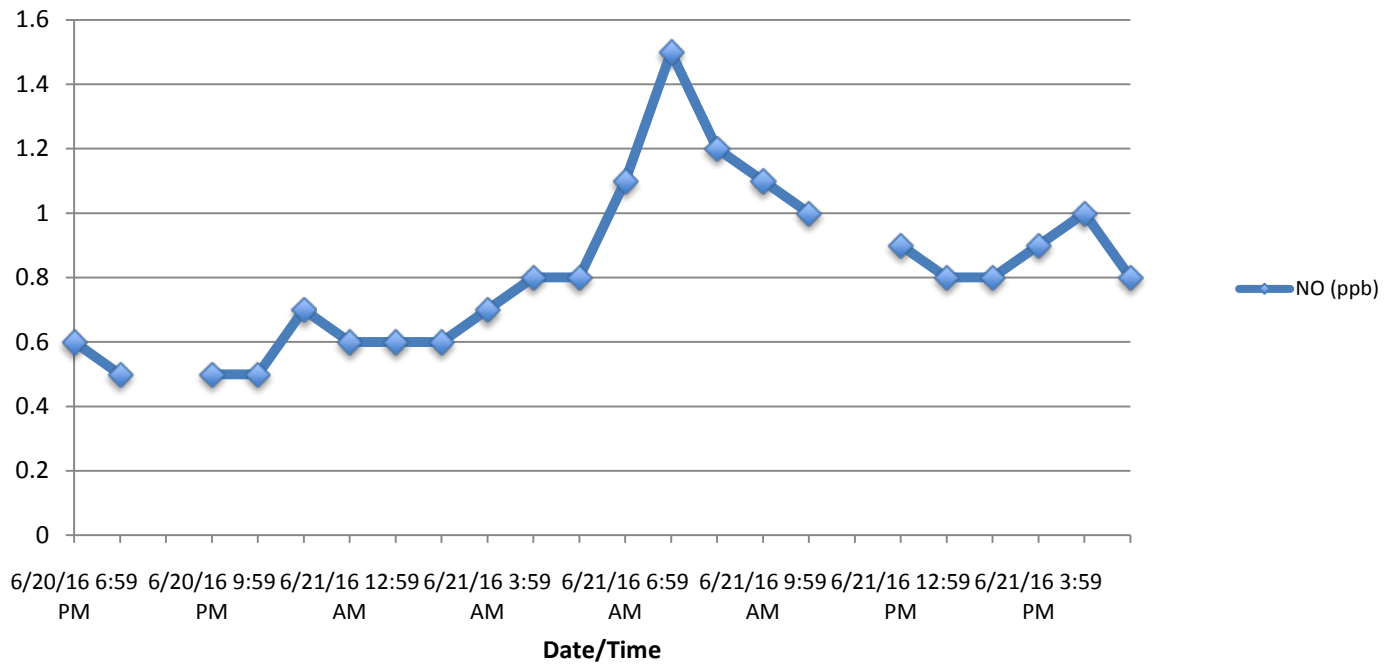
FILE: L:\2016\2016\_04\16\_21\2016\_04\_21\2016\_04\_21\_1600 JAVA ROAD MINDEN NORTH AMBIENT AIR MONITORING LOCATION MAP FOR 21 JUNE 2016.dwg



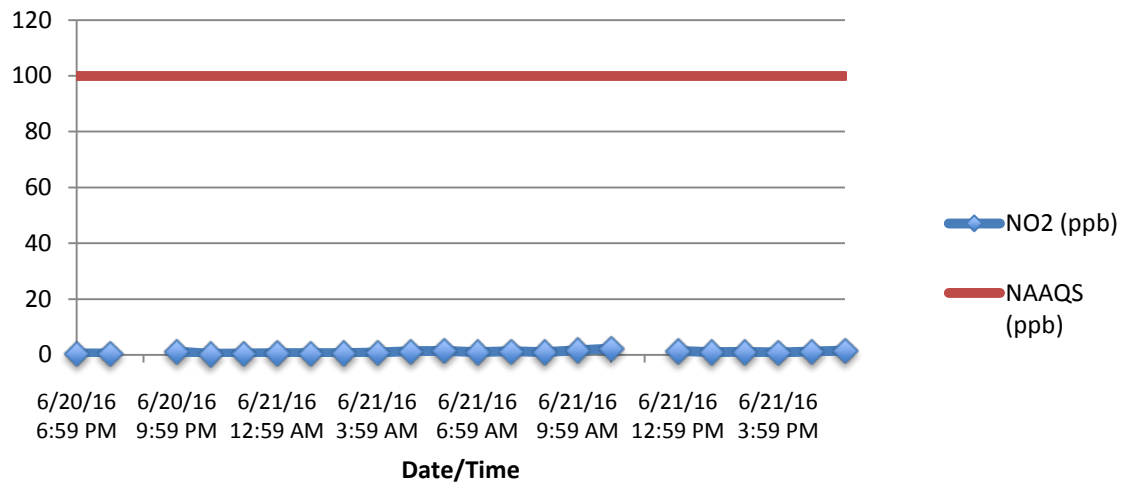
## Hourly Averages CO2 (ppm) For Monitoring Only



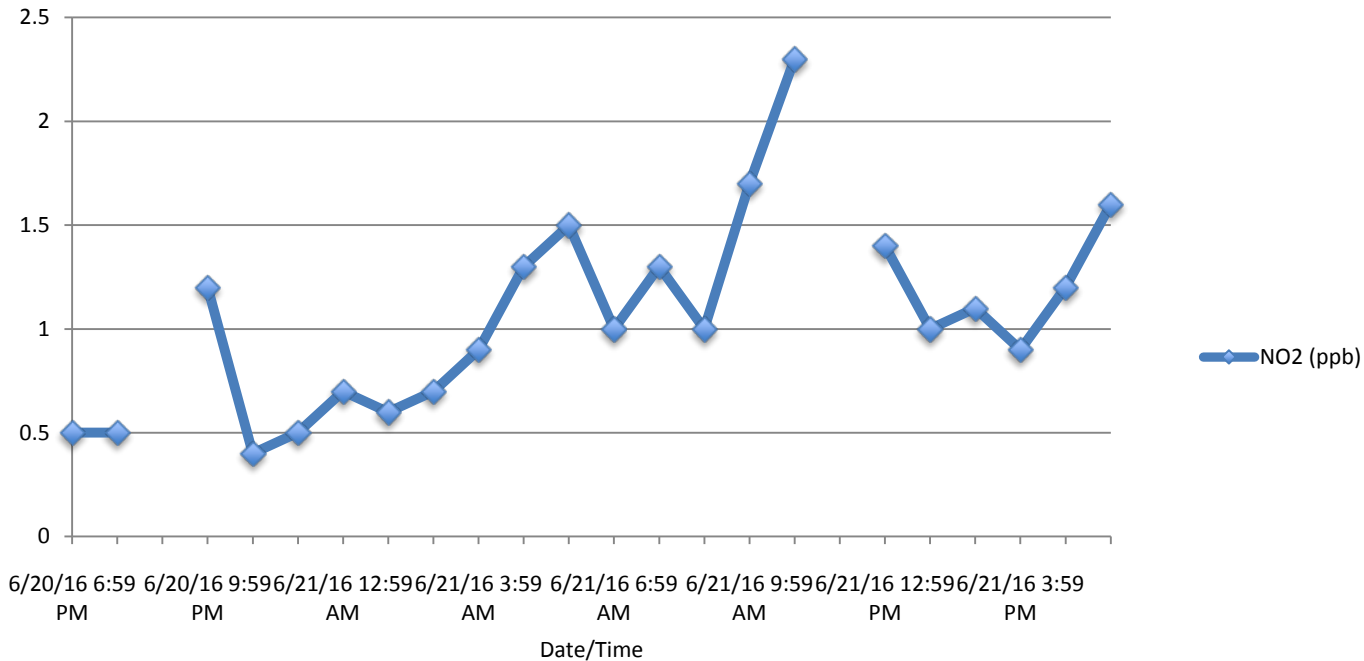
## Hourly Averages NO (ppb) For Monitoring Only



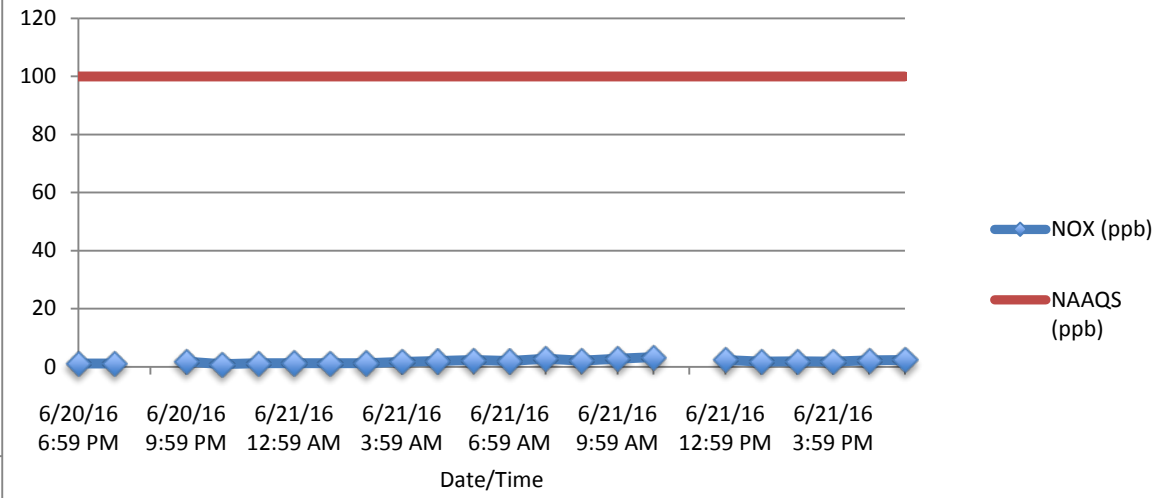
### Hourly Averages NO2 (ppb)



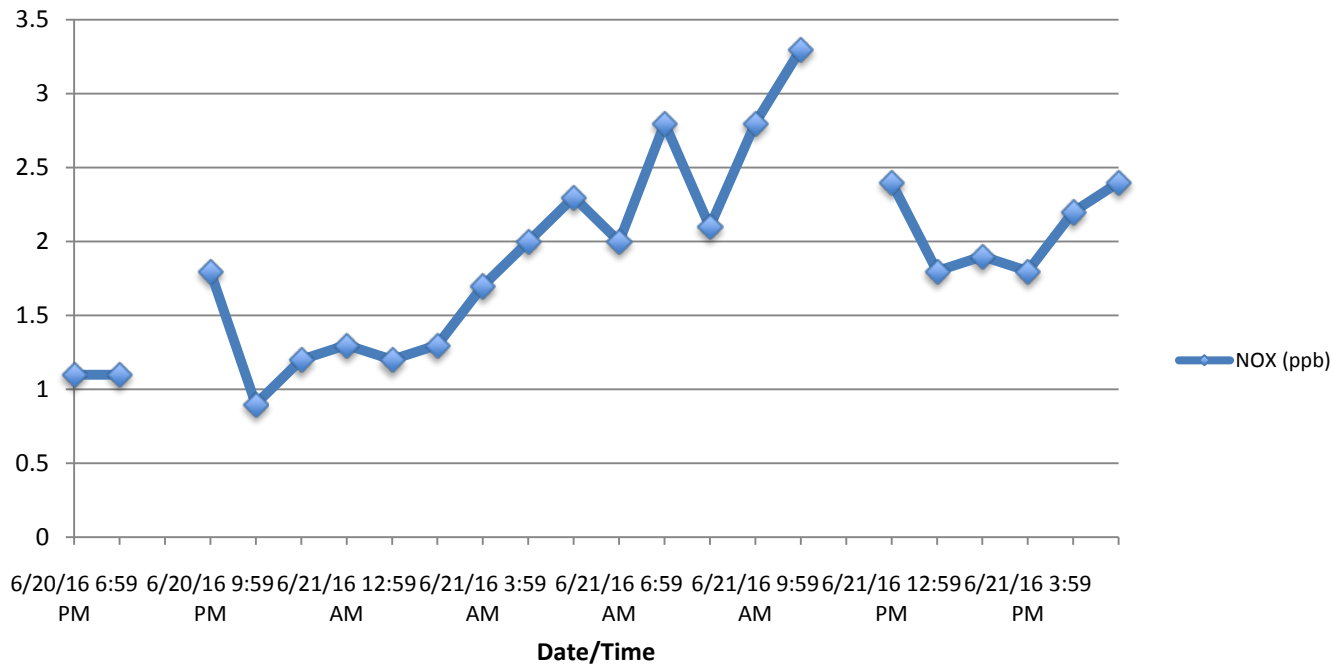
### Hourly Averages NO2 (ppb) NAAQS 100 ppb



### Hourly Averages NOX (ppb)

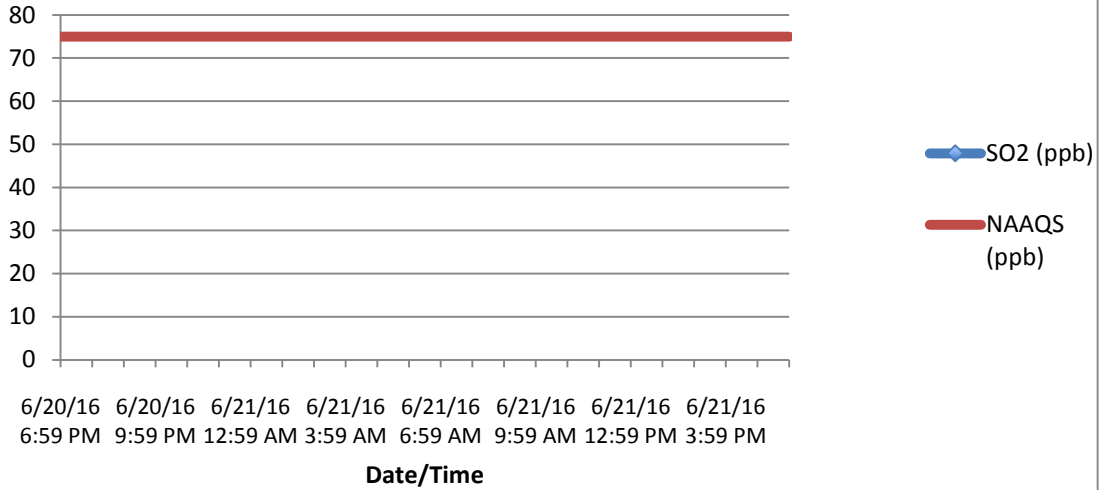


### Hourly Averages NOX (ppb) NAAQS 100 ppb

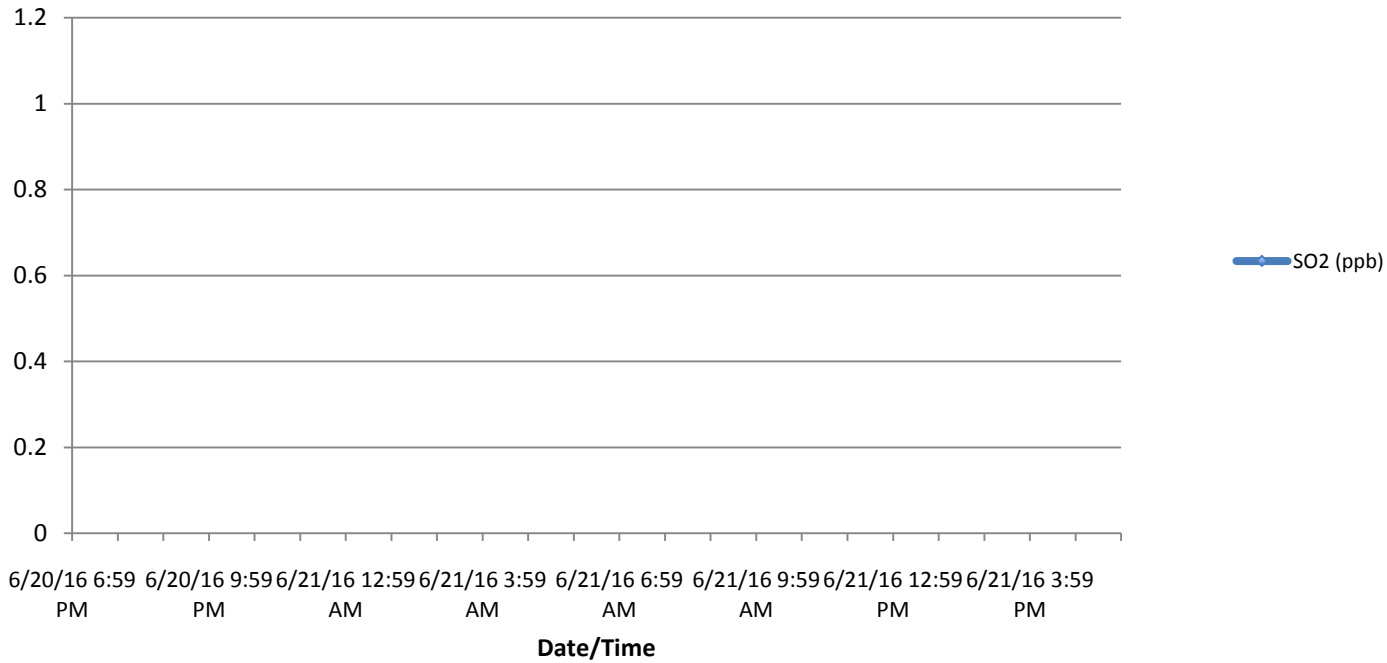




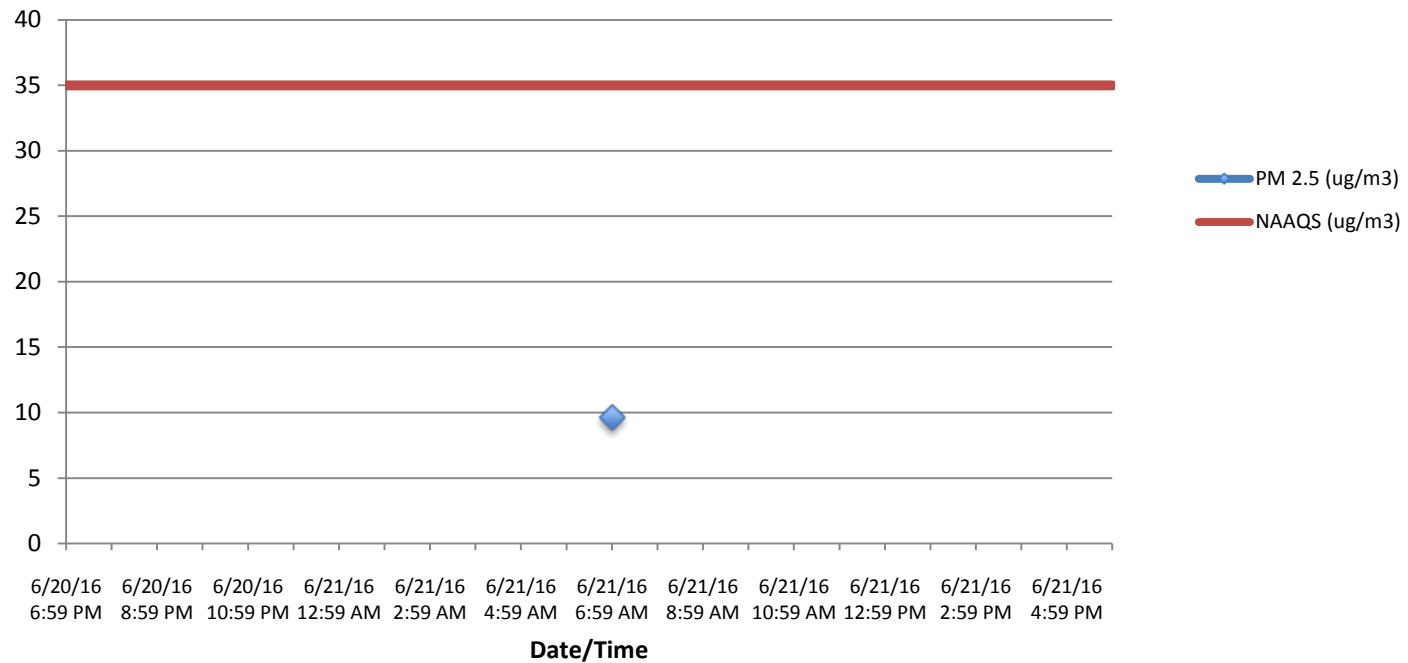
### Hourly Averages SO2 (ppb)



### 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)

