

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden North

Start Time: 07-9-2016 1800 - End Time: 07-10-2016 1800

July 10, 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 9, 2016 1800 through July 10, 2016, 2016 1800
- 2 Highest measurement of each analyte from July 9, 2016 1800 through July 10, 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>.

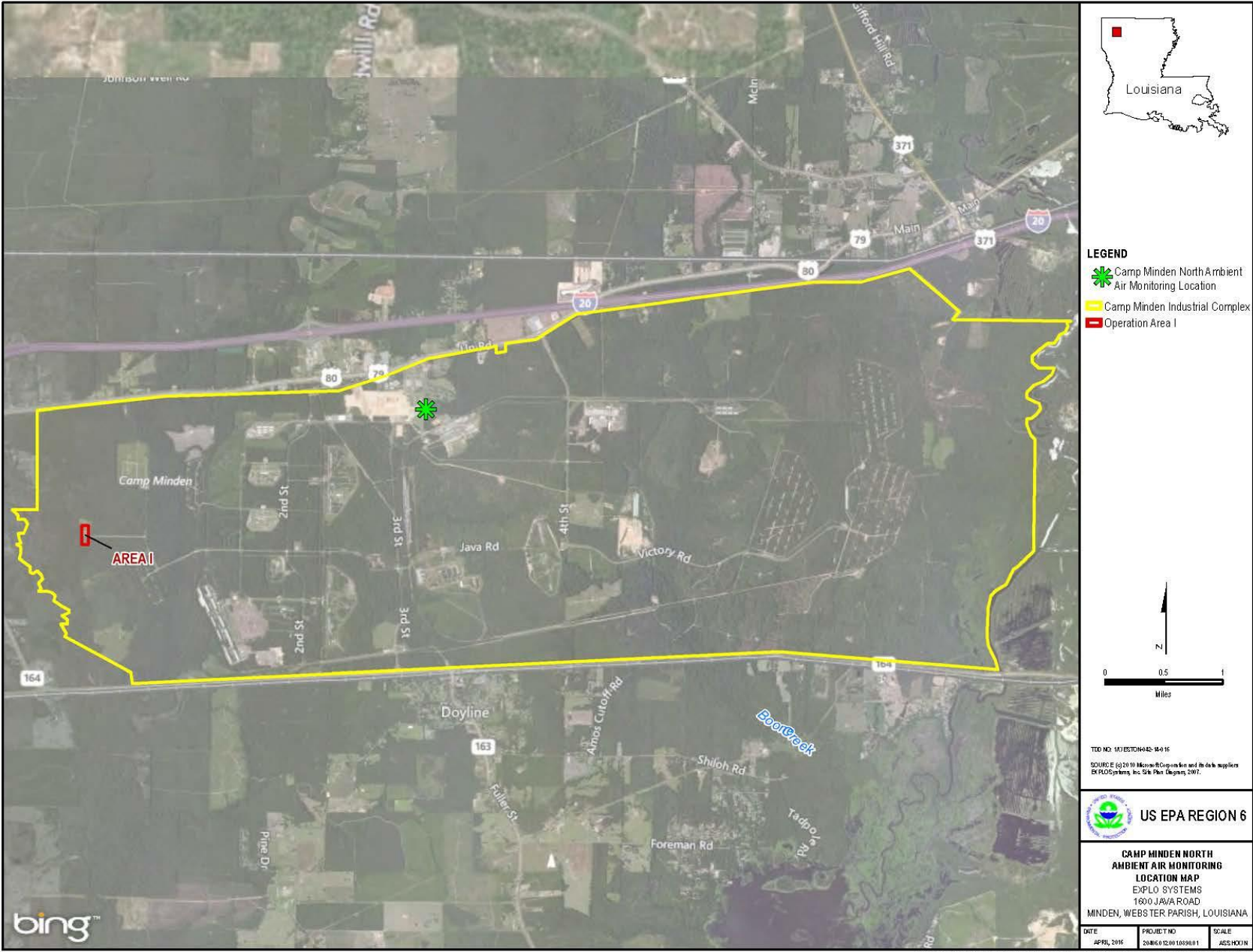
** Note: During follow-up on the elevated PM_{2.5} readings on 7/11/16, BAM1020 flow rate was found to be 10 LPM, and the pressure reading was 664 mm Hg; normal values are 16.7 LPM and 754 mm Hg. The low flow rate would have a net effect of biasing readings high, which was observed on 7/11. Troubleshooting on 7/12 was not able to resolve the issue; plan is to contact Met One for further assistance, and determine if on-site correction is possible. Review of the data on-board the instrument found that the flow dropped after 0700 CST on 7/9/16; validated database was revised to remove PM_{2.5} data after 0700 on 7/9.

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

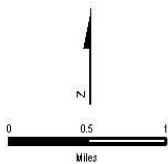
Summary for 10 July 2016 at Camp Minden North

| Analyte | Highest Hourly Average Measurement | Highest Measurement | Units | NAAQS Standard |
|---------|------------------------------------|---------------------|-------|---------------------|
| CO | 0.187 | 0.43 | ppm | 35 (1-hour) |
| CO2 | 529.0 | 582.1 | ppm | For Monitoring Only |
| NO | 1.1 | 7.3 | ppb | For Monitoring Only |
| NO2 | 2.9 | 4.0 | ppb | 100 (1-hour) |
| NOX | 3.7 | 9.7 | ppb | 100 (1-hour) |
| SO2 | 0.4 | 0.8 | ppb | 75 (1-hour) |
| Analyte | Average 24-hour Measurement | Highest Measurement | Units | NAAQS Standard |
| PM 2.5 | 0 | 0 | ug/m3 | 35 (24-hour) |

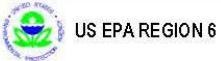
Camp Minden North Station Location Map for 10 July 2016



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



TED NO. 141237042-04-15
 SOURCE (S 2011) Microsoft Corporation and its data suppliers
 BING Systems, Inc. © 2011 Microsoft, 2011.

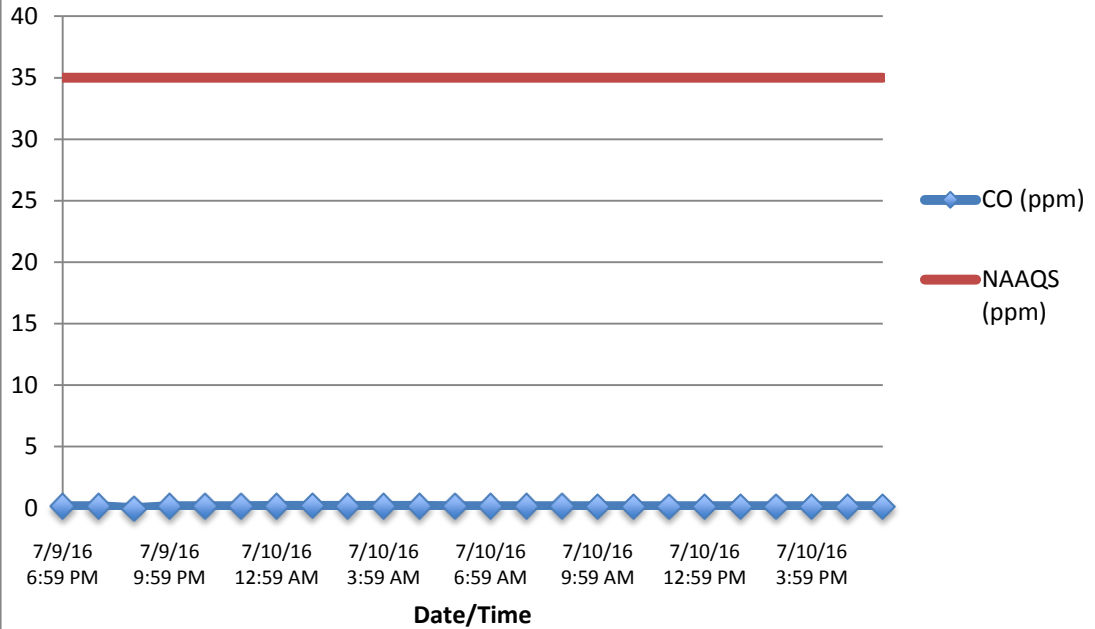


**CAMP MINDEN NORTH
 AMBIENT AIR MONITORING
 LOCATION MAP**
 EXPLO SYSTEMS
 1600 JAVA ROAD
 MINDEN, WEBSTER PARISH, LOUISIANA

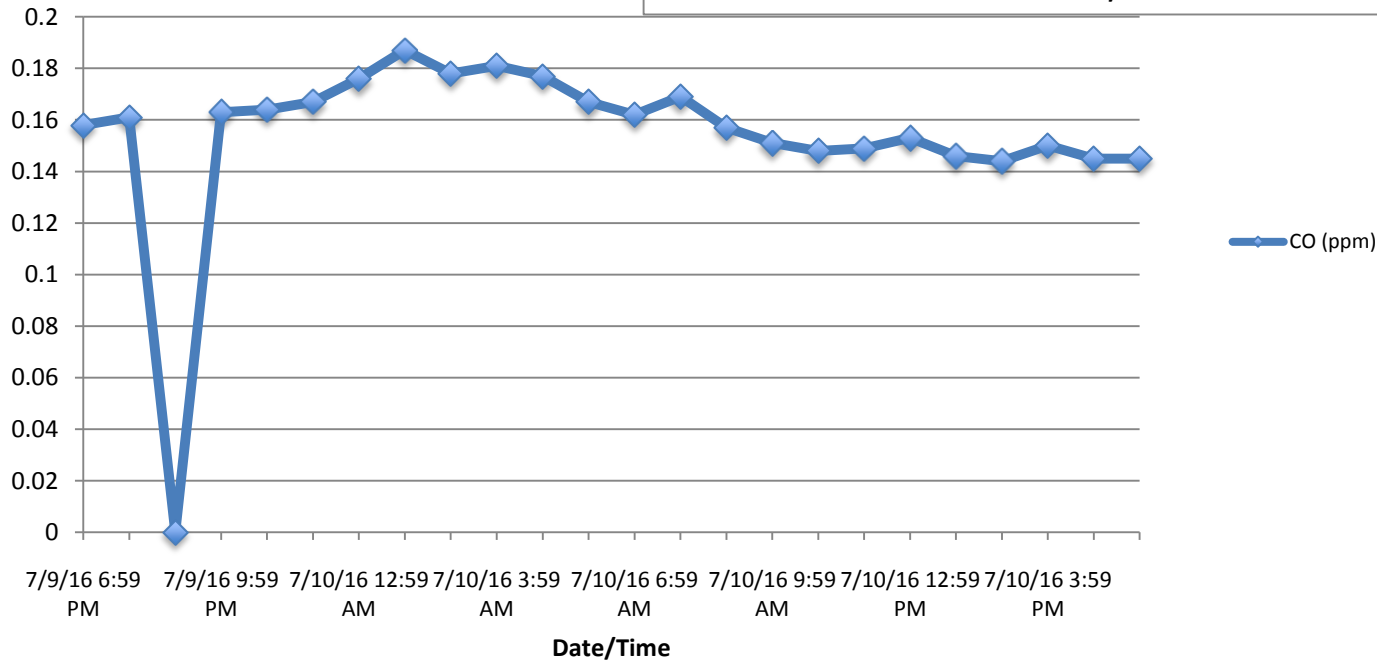
| DATE | PROJECT NO. | SCALE |
|------------|--------------------|-------------|
| APRIL 2016 | EXPLO-02-011809-01 | ASCS-02/10K |

FILE: L:\2016-2017_2018\16_012118-0001_118104-001\180909-01-001\180909-01-001\180909-01-001\Camp Minden North Station Location Map.dwg 3/28/2016 1:54 PM

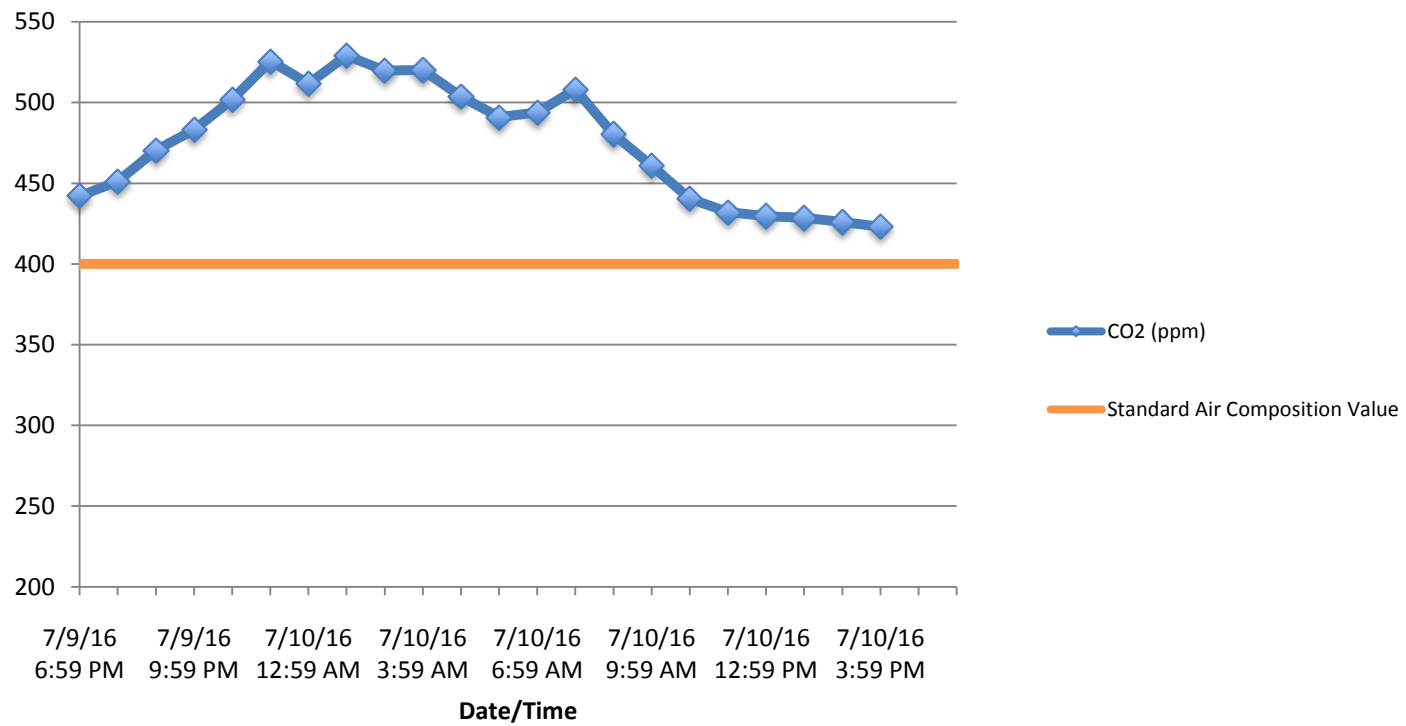
Hourly Averages CO (ppm)



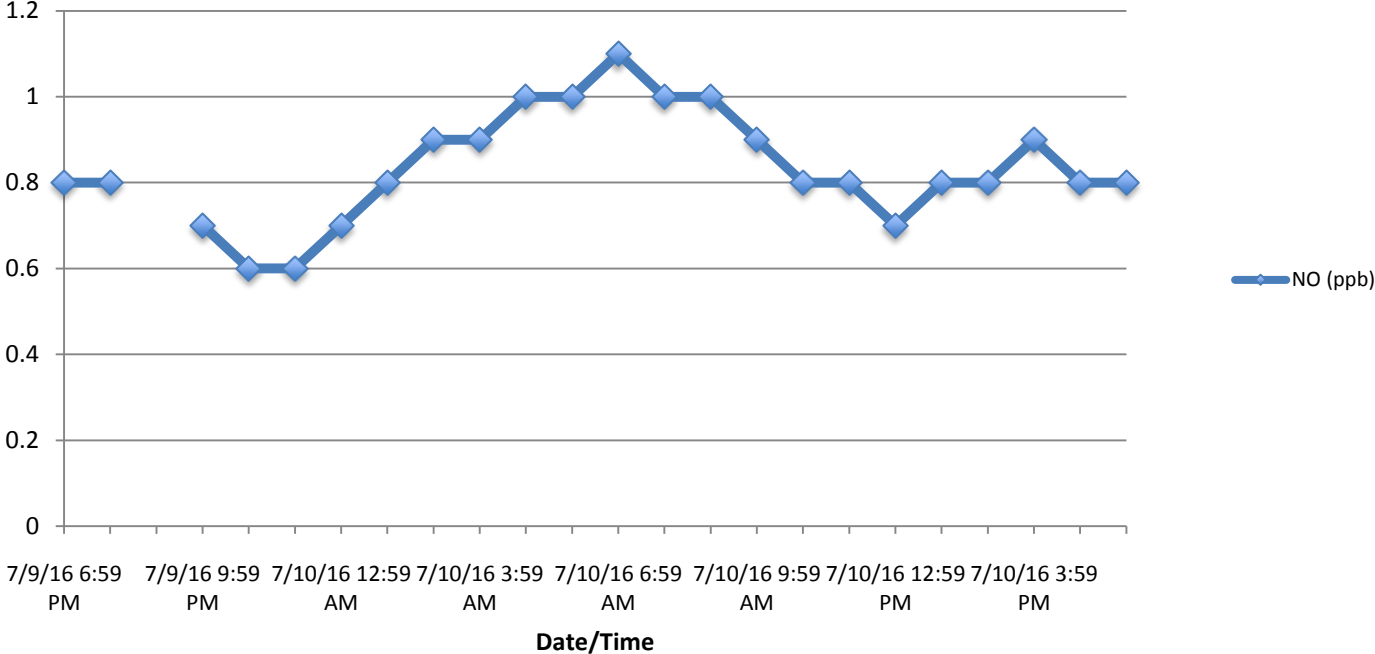
Hourly Averages CO (ppm) NAAQS 35 ppm



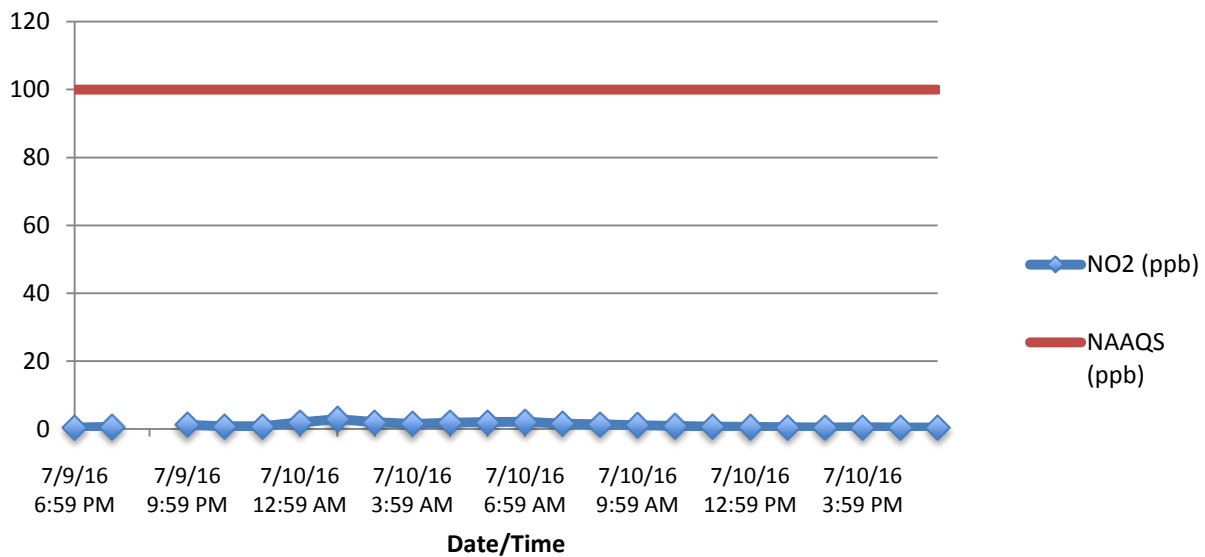
Hourly Averages CO2 (ppm) For Monitoring Only



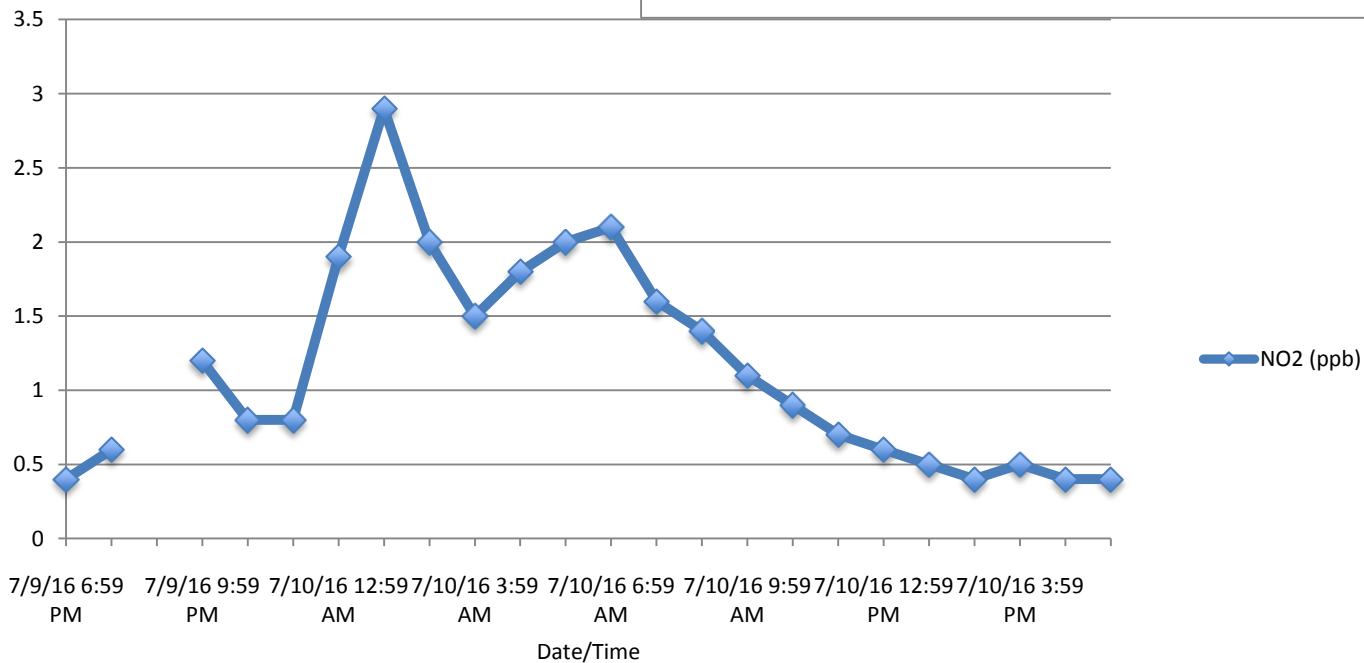
Hourly Averages NO (ppb) For Monitoring Only



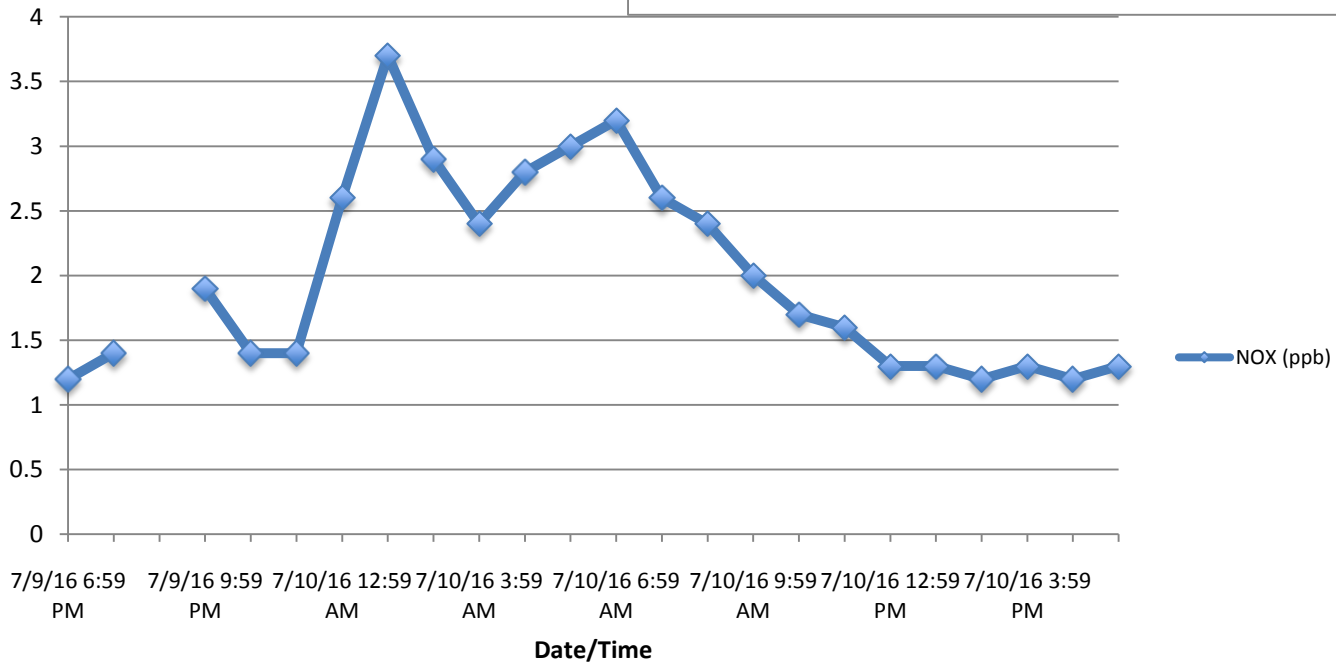
Hourly Averages NO2 (ppb)



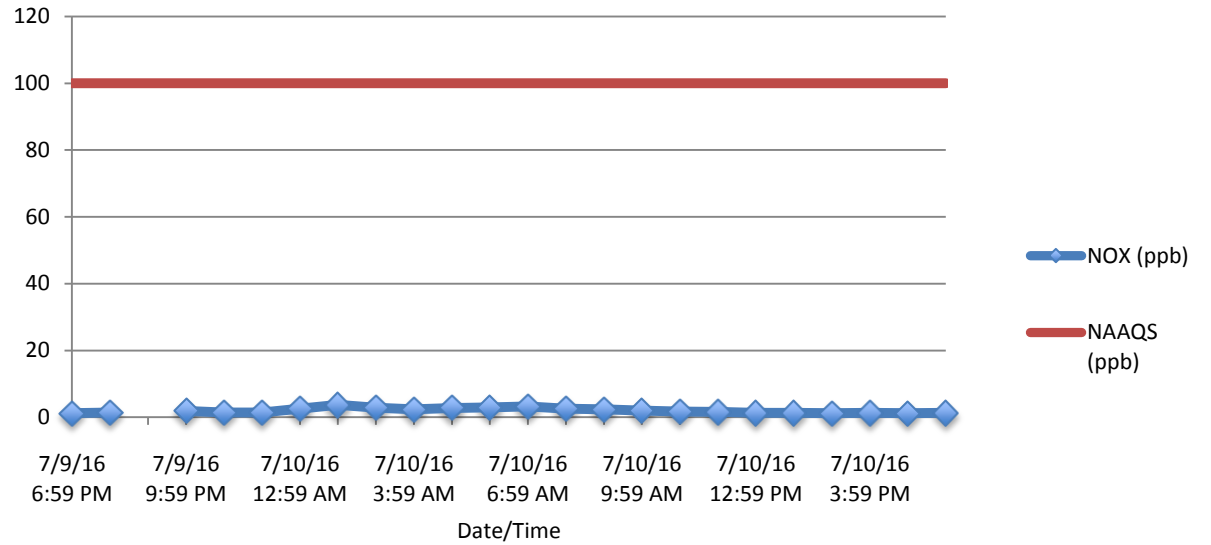
Hourly Averages NO2 (ppb) NAAQS 100 ppb



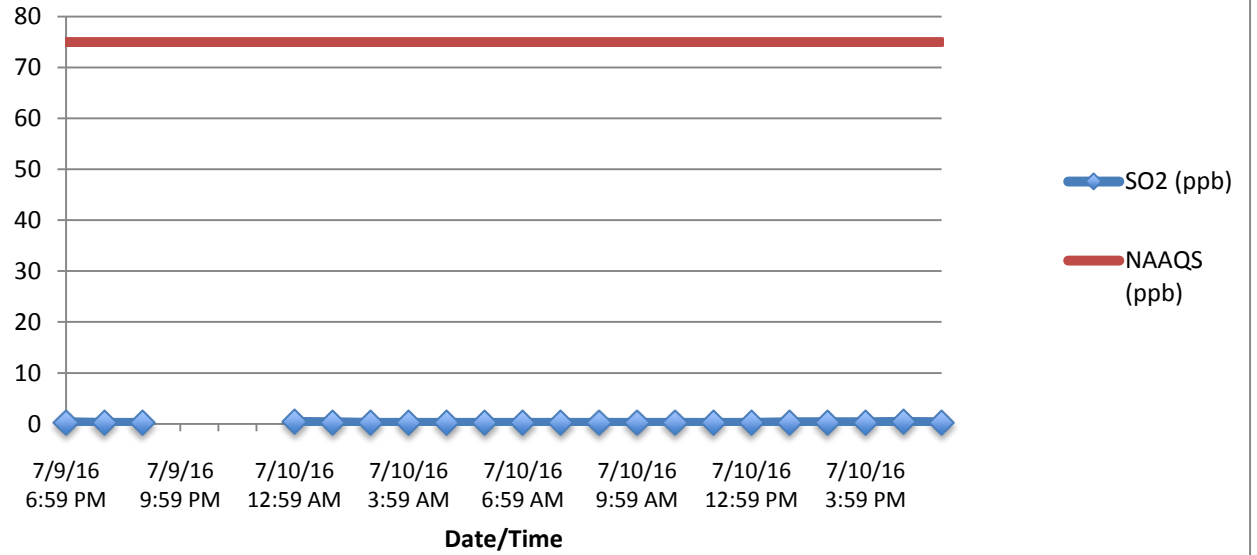
**Hourly Averages NOX (ppb)
NAAQS 100 ppb**



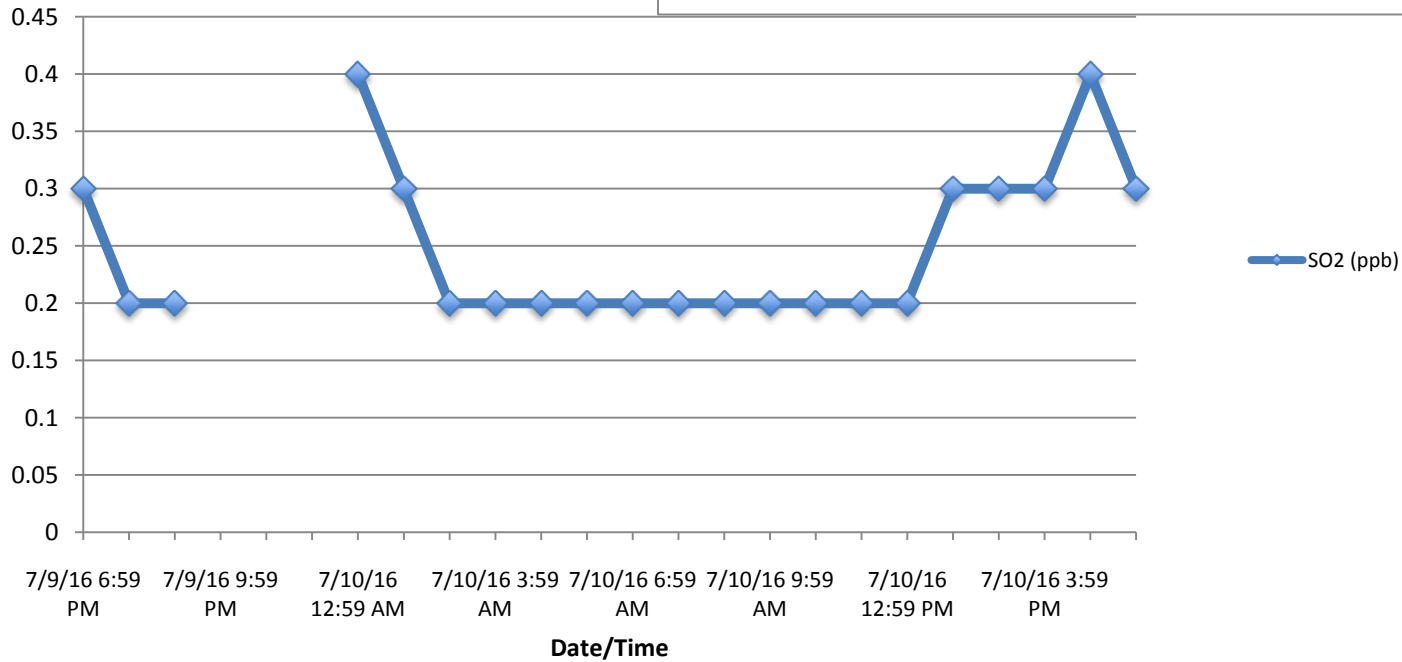
Hourly Averages NOX (ppb)



Hourly Averages SO2 (ppb)

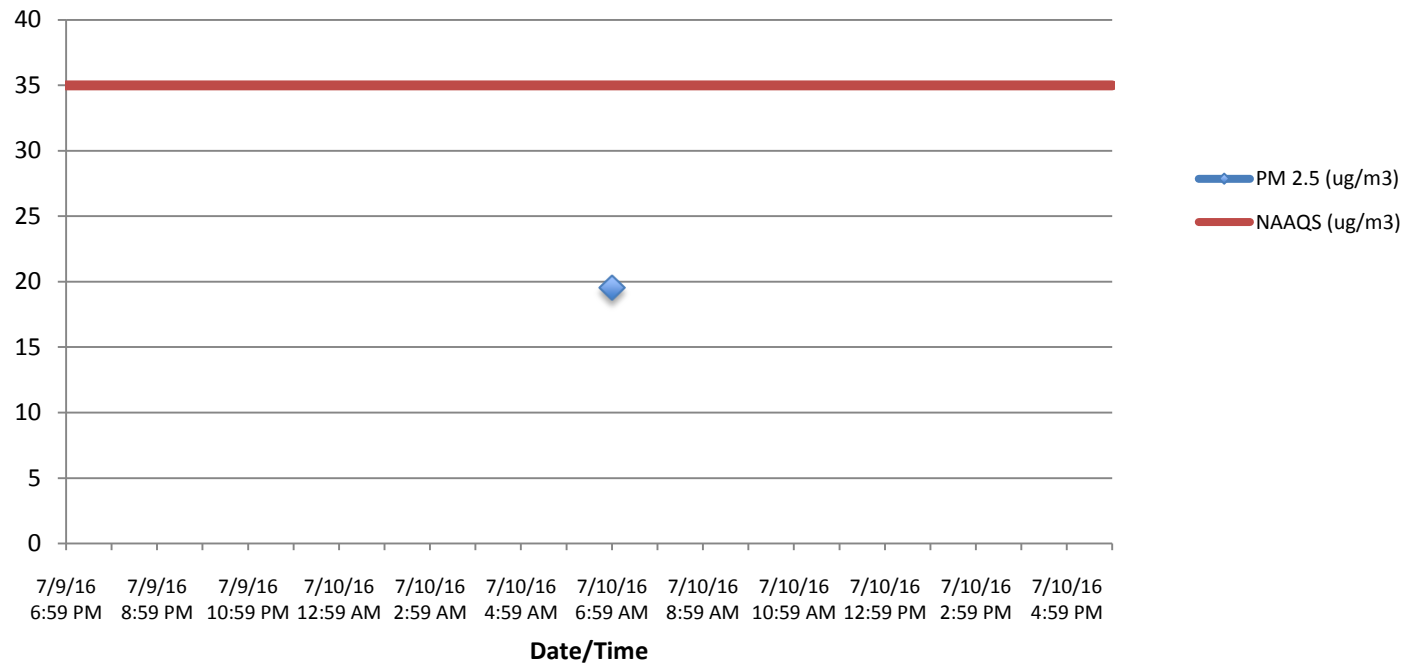


Hourly Averages SO2 (ppb) NAAQS 75 ppb



24 Hour Average PM 2.5 (ug/m3)

NAAQS 35 ug/m3



Hourly Averages PM 2.5 (ug/m3)

