

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden Area I

Start Time: 01-07-2017 1800 - End Time: 01-08-2017 1800

January 8, 2017 – EPA monitored for seven ambient air pollutants over a 24 hour period at the Camp Minden Area I 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 January 7, 2017 1800 through January 8, 2017 1800
- 2 Highest measurement of each analyte from January 7, 2017 1800 through January 8, 2017 1800

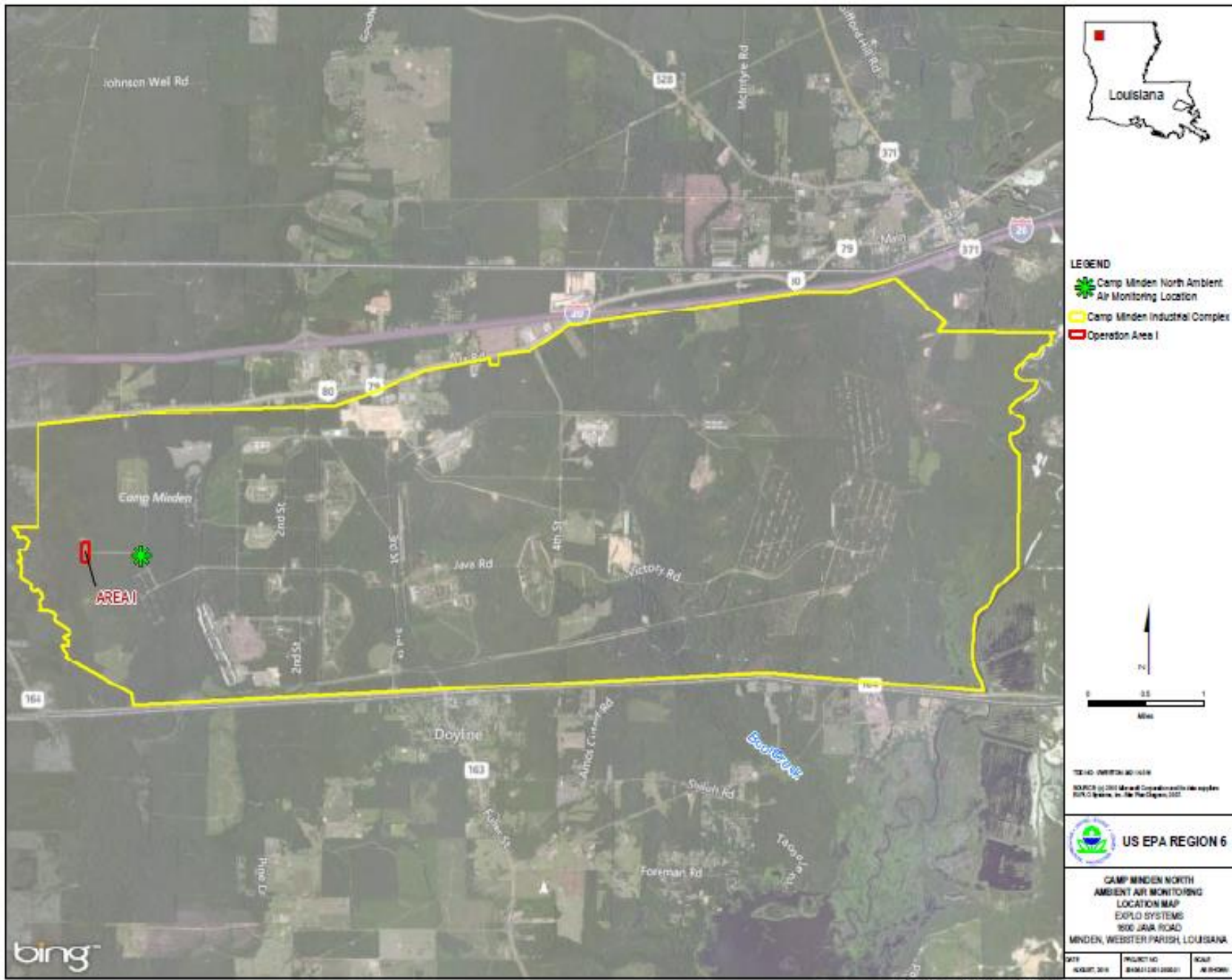
National Ambient Air Quality Standards (NAAQS) of criteria pollutants (CO, NO₂, SO₂, and PM_{2.5}) are listed with specific time frames and calculation formulas. Please visit NAAQS website for more in-depth information on how these are calculated - <https://www.epa.gov/criteria-air-pollutants/naqs-table>.

** The monitoring database has been validated for calendar day 01/08/17 (through 00:00 01/09/17 CST). All analyzers were operating normally. There were two 1-minute spike events, at 1845 and 1854 CST. The 1845 event was a CO peak to 1.32 ppm; NO₂ rose ~ 5 ppb above baseline; CO₂ remained at baseline. Winds around 1845 were < 2 mph from SW. The 1854 event was a NO peak to 269.4 ppb, with no NO₂; CO₂ rose about 80 ppm above baseline; SO₂ rose above baseline by about 1 ppb. Winds around 1845 were < 1 mph and variable directions, trending from SE.

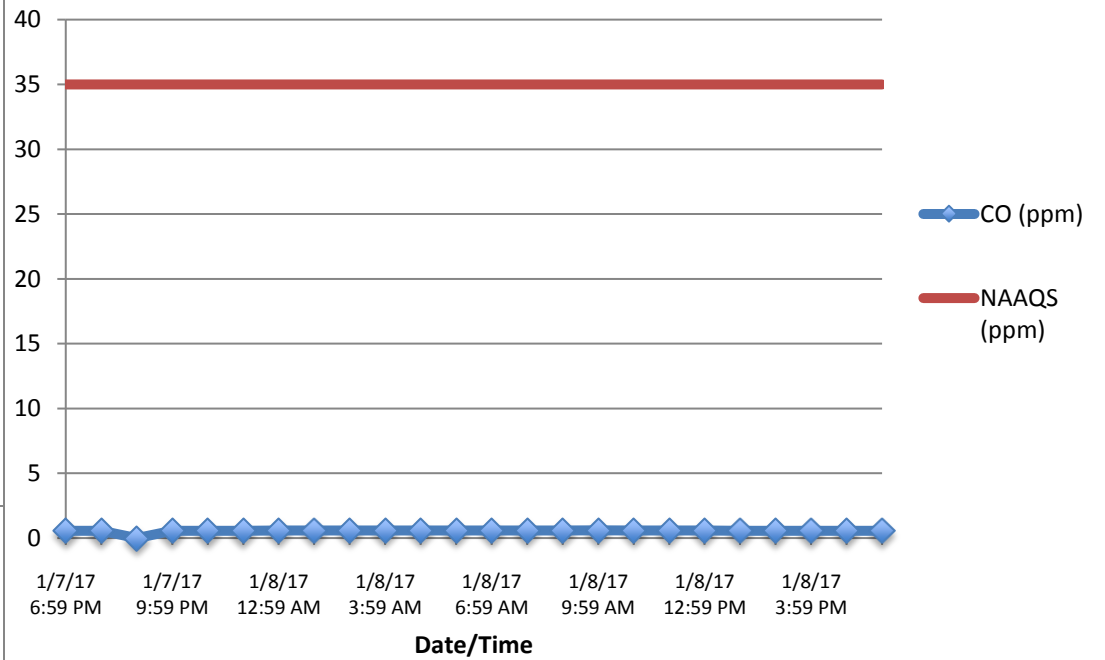
Summary for 8 January 2017 at Camp Minden Area I

| Analyte | Highest Hourly Average Measurement | Highest Measurement | Units | NAAQS Standard |
|-----------------|------------------------------------|---------------------|-------------------|---------------------|
| CO | 0.599 | 0.934 | ppm | 35 (1-hour) |
| CO ₂ | 482.3 | 485.5 | ppm | For Monitoring Only |
| NO | 0.9 | 7.8 | ppb | For Monitoring Only |
| NO ₂ | 4.4 | 11.3 | ppb | 100 (1-hour) |
| NO _X | 5.3 | 19.2 | ppb | 100 (1-hour) |
| SO ₂ | 0.7 | 1.1 | ppb | 75 (1-hour) |
| Analyte | Average 24-hour Measurement | Highest Measurement | Units | NAAQS Standard |
| PM 2.5 | 9.6 | 16.5 | ug/m ³ | 35 (24-hour) |

Camp Minden Area I Station Location Map for 8 January 2017

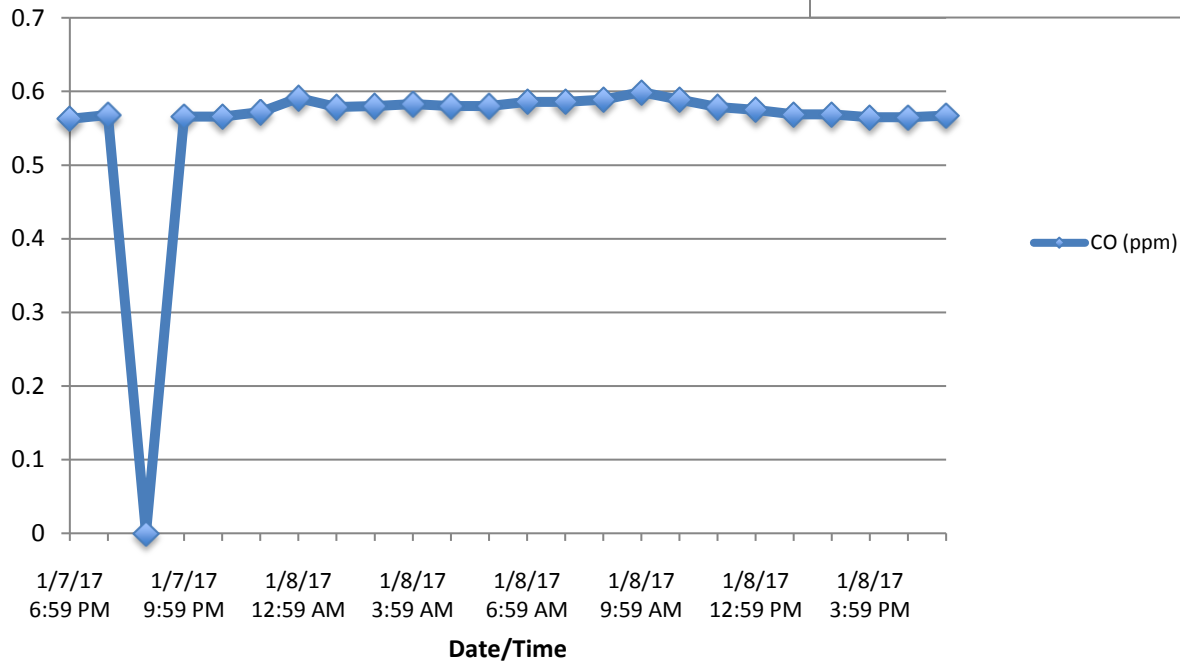


Hourly Averages CO (ppm)

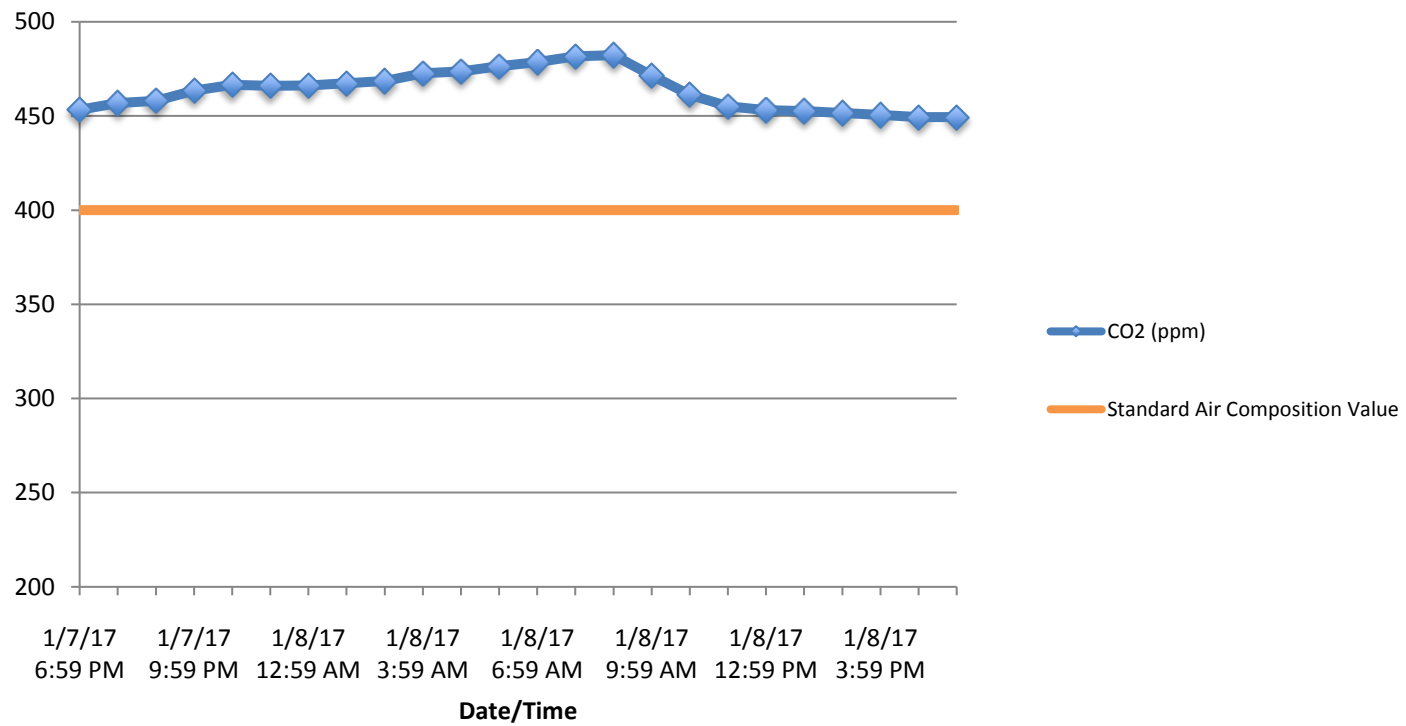


Hourly Averages CO (ppm)

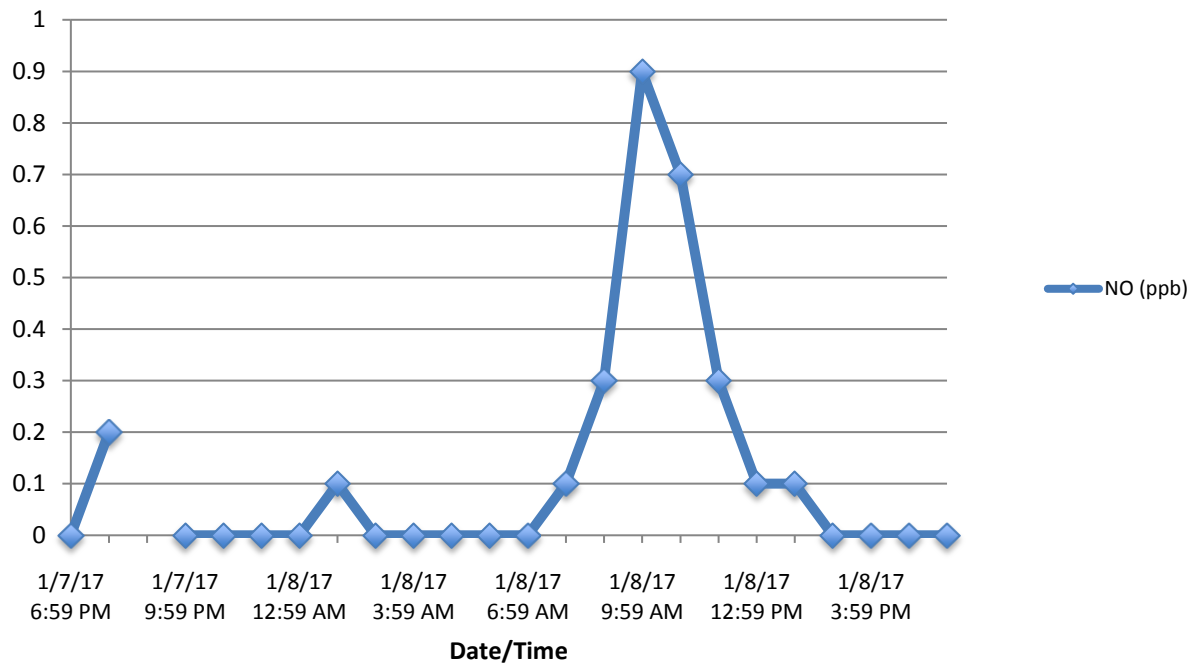
NAAQS 35 ppm



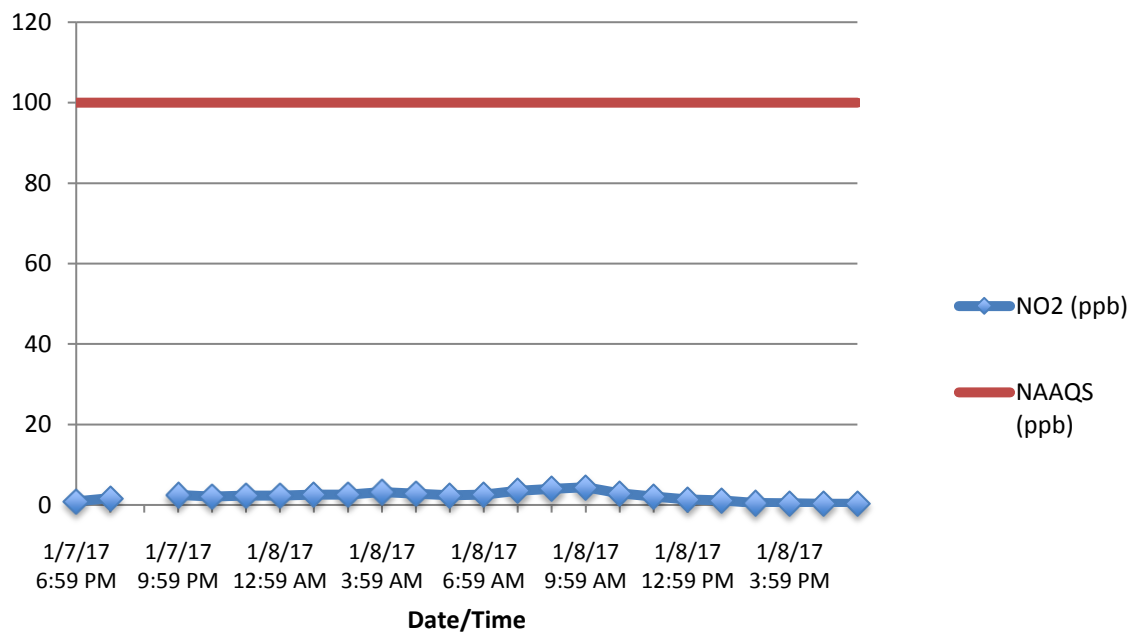
Hourly Averages CO2 (ppm) For Monitoring Only



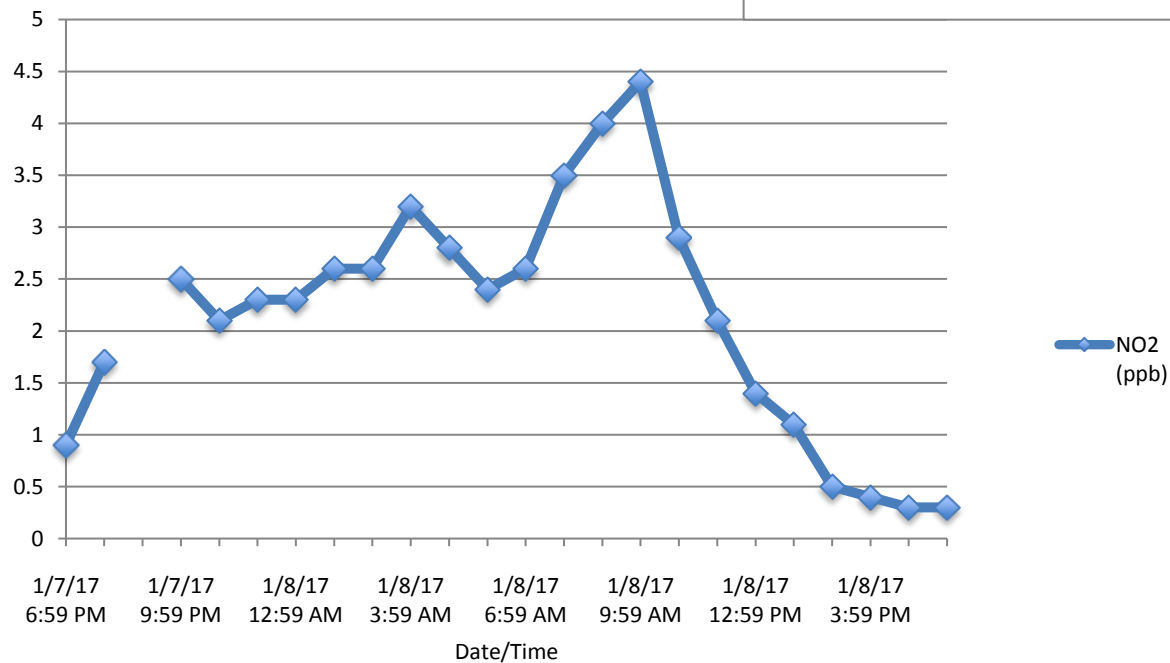
Hourly Averages NO (ppb) For Monitoring Only



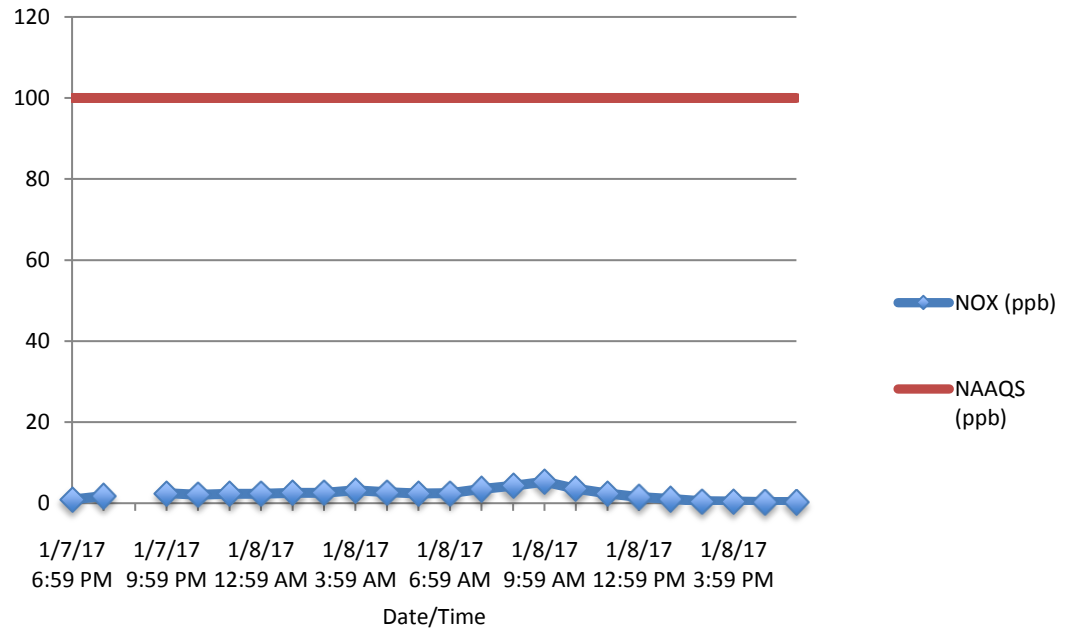
Hourly Averages NO2 (ppb)



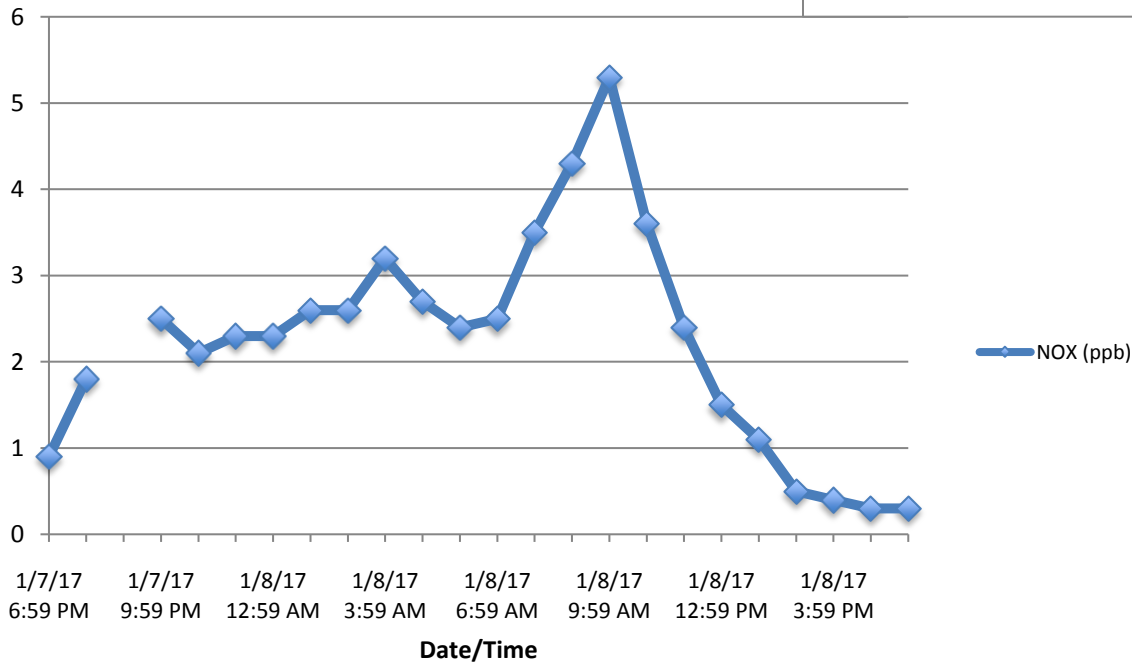
Hourly Averages NO2 (ppb) NAAQS 100 ppb



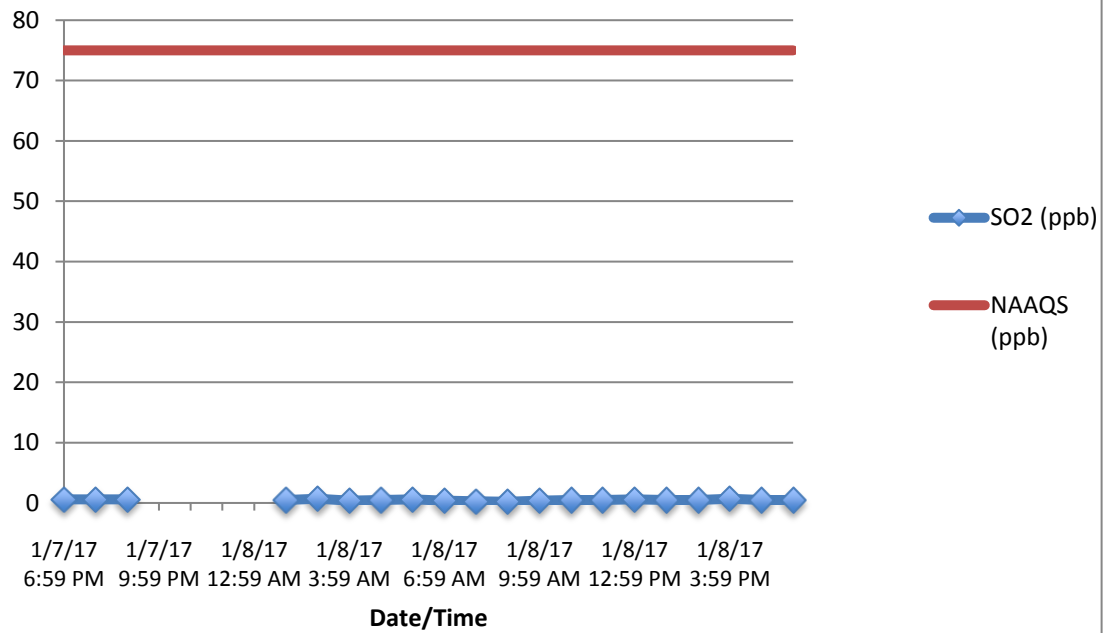
Hourly Averages NOX (ppb)



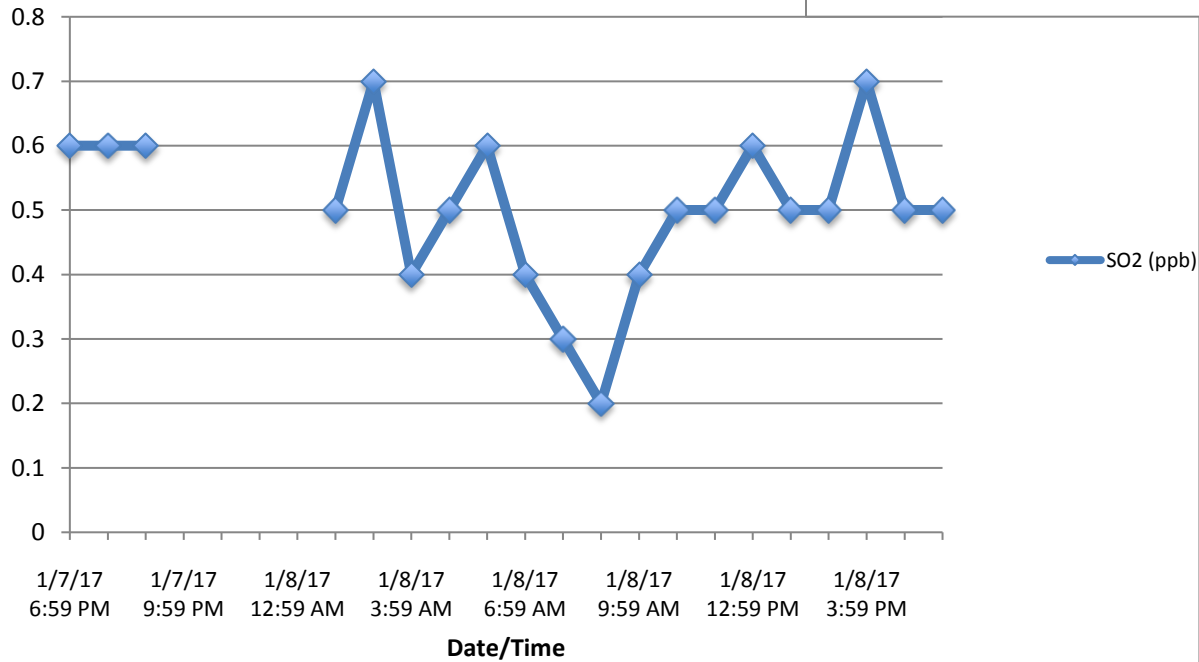
Hourly Averages NOX (ppb) NAAQS 100 ppb



Hourly Averages SO2 (ppb)

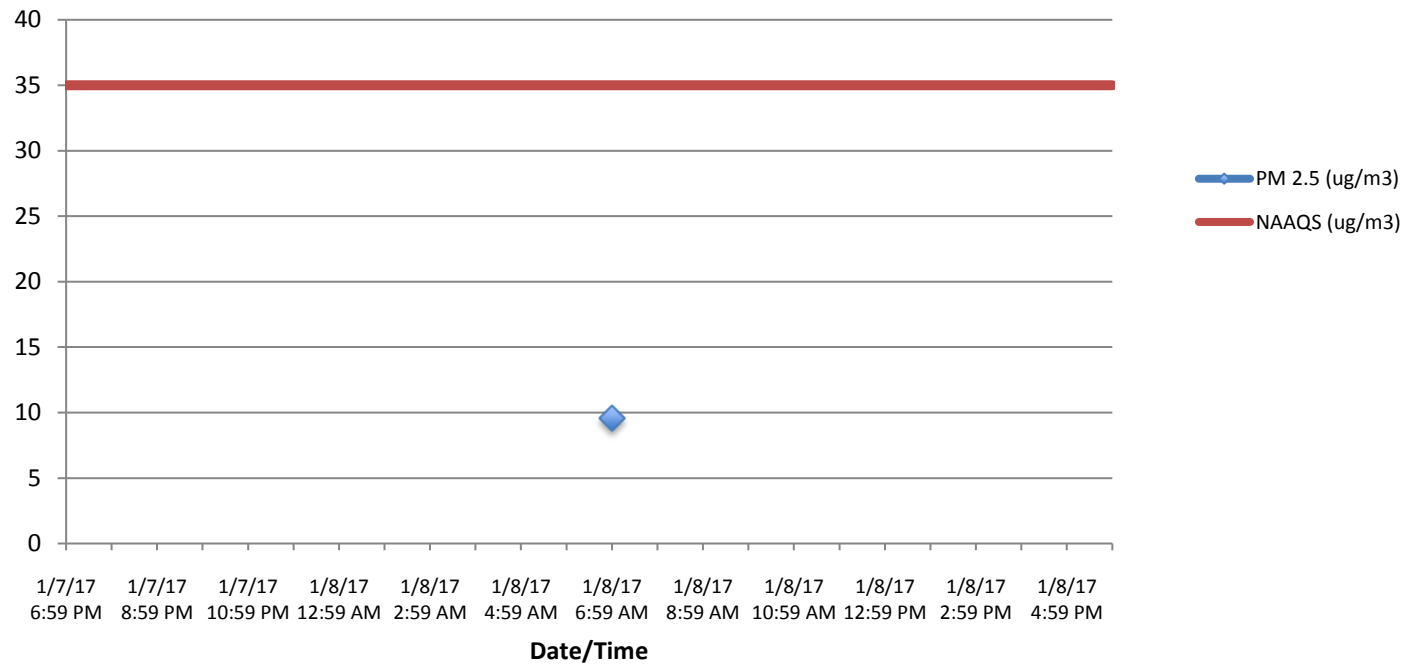


Hourly Averages SO2 (ppb) NAAQS 75 ppb



24 Hour Average PM 2.5 (ug/m3)

NAAQS 35 ug/m3



Hourly Averages PM 2.5 (ug/m3)

