

FINAL
U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI



Air Monitoring Summary

Camp Minden Area I

Start Time: 9-21-2016 1800 - End Time: 9-22-2016 1800

September 22, 2016 – 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 September 21, 2016 1800 through September 22, 2016, 2016 1800
- 2 Highest measurement of each analyte from September 21, 2016 1800 through September 22, 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: PM_{2.5} was captured in 60-min averages. All other analytes were captured in 1-min averages. Negative BAM readings continued to be offset by +4.7 for all hours. All monitors were operating normally except CO₂ and NO_x. All CO₂ data for calendar day invalidated. NO_x analyzer pump failed at 1336 CDT; all data invalidated while pump not operating.

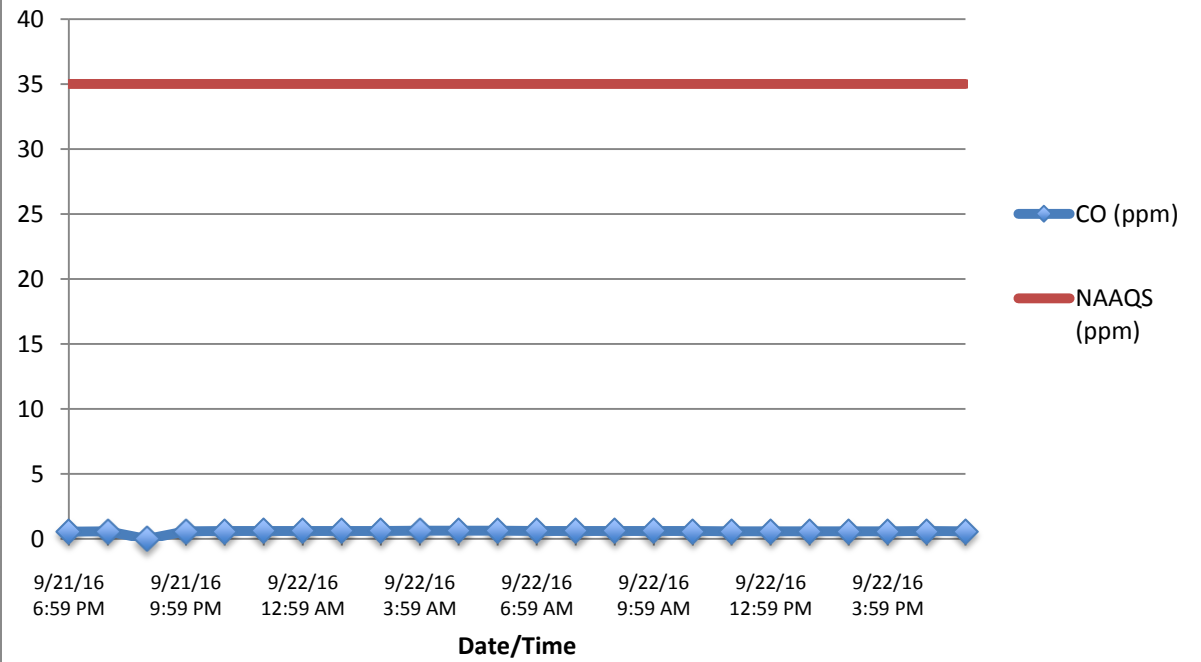
Summary for 22 September 2016 at Camp Minden Area I

| Analyte | Highest Hourly Average Measurement | Highest Measurement | Units | NAAQS Standard |
|-----------------|------------------------------------|---------------------|-------|---------------------|
| CO | 0.628 | 1.049 | ppm | 35 (1-hour) |
| CO ₂ | 578.9 | 608.7 | ppm | For Monitoring Only |
| NO | 9.9 | 23.0 | ppb | For Monitoring Only |
| NO ₂ | 2.7 | 17.2 | ppb | 100 (1-hour) |
| NO _x | 12.6 | 40.2 | ppb | 100 (1-hour) |
| SO ₂ | 1.7 | 2.1 | ppb | 75 (1-hour) |
| Analyte | Average 24-hour Measurement | Highest Measurement | Units | NAAQS Standard |
| PM 2.5 | 13.7 | 40.1 | ug/m3 | 35 (24-hour) |

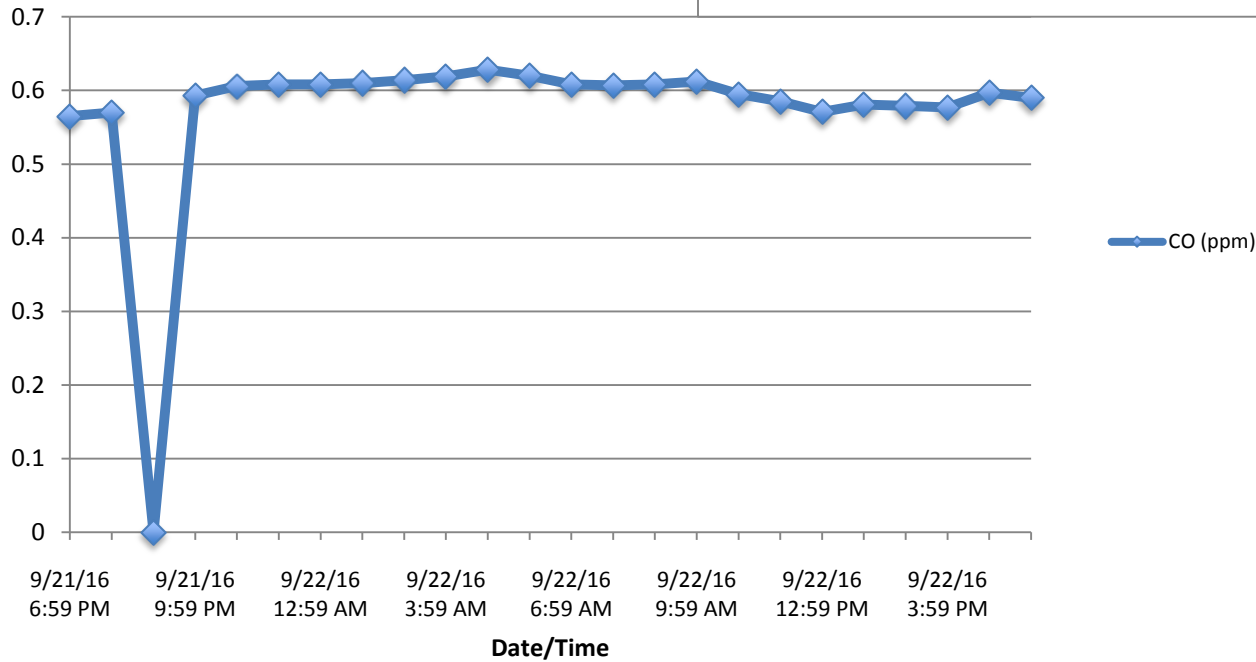
Camp Minden Area I Station Location Map for 22 September 2016



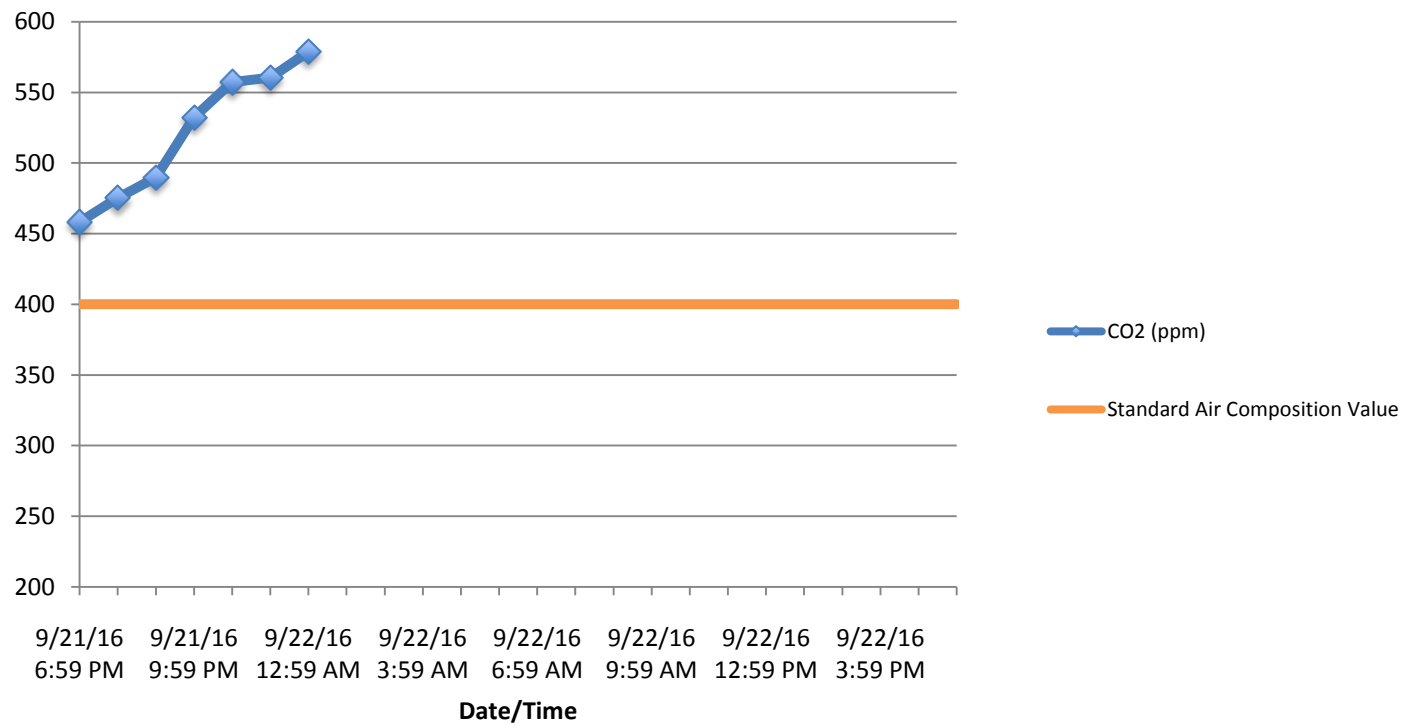
Hourly Averages CO (ppm)



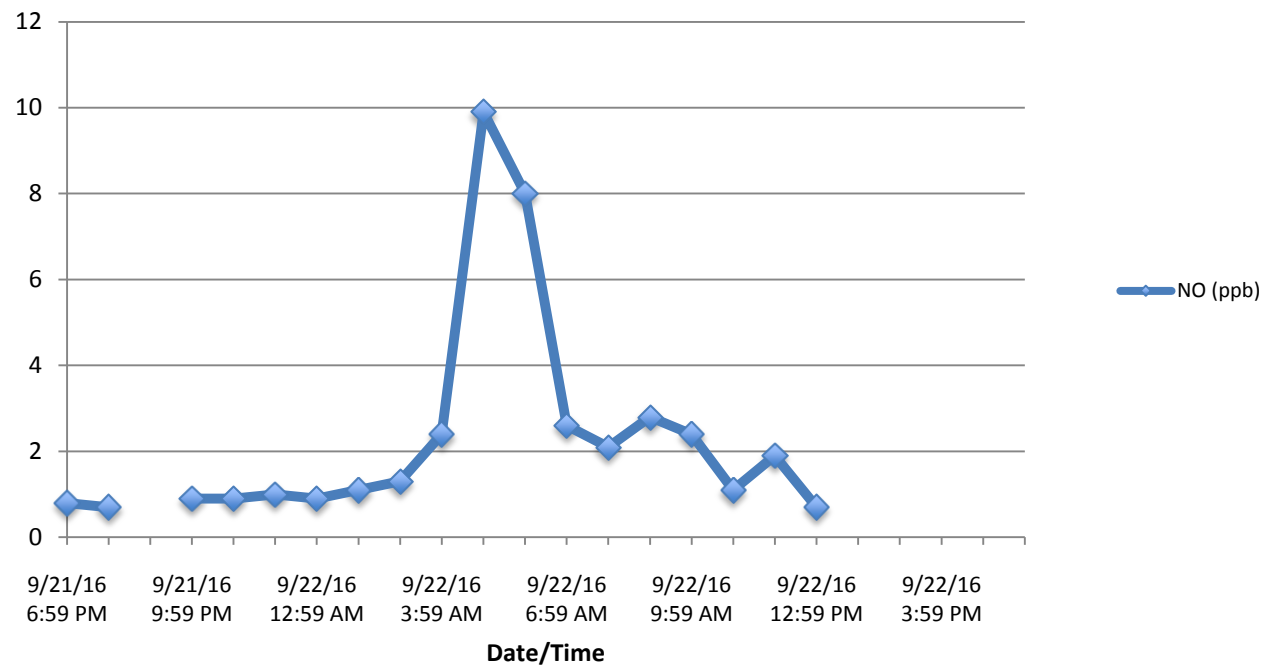
Hourly Averages CO (ppm) NAAQS 35 ppm



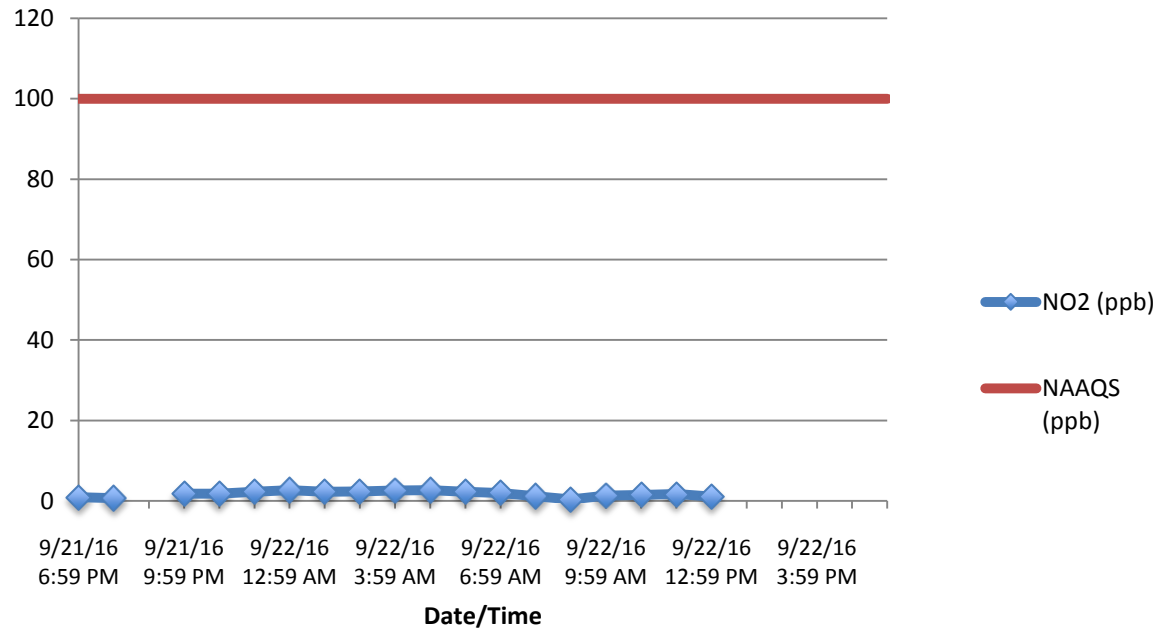
Hourly Averages CO2 (ppm) For Monitoring Only



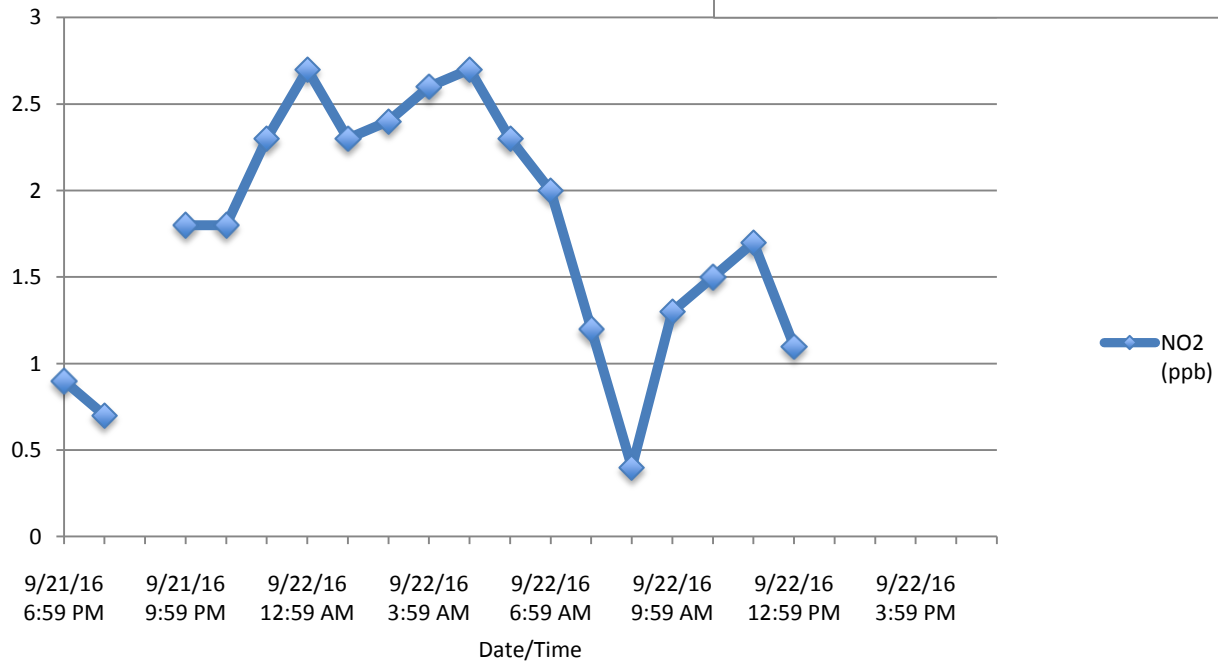
Hourly Averages NO (ppb) For Monitoring Only



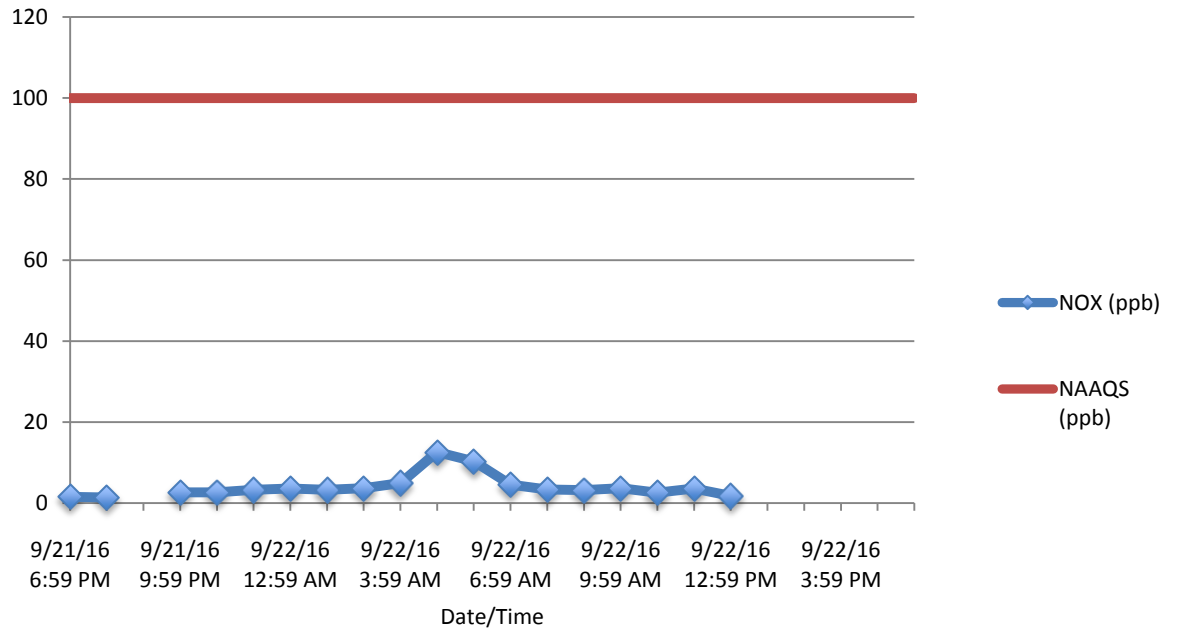
Hourly Averages NO2 (ppb)



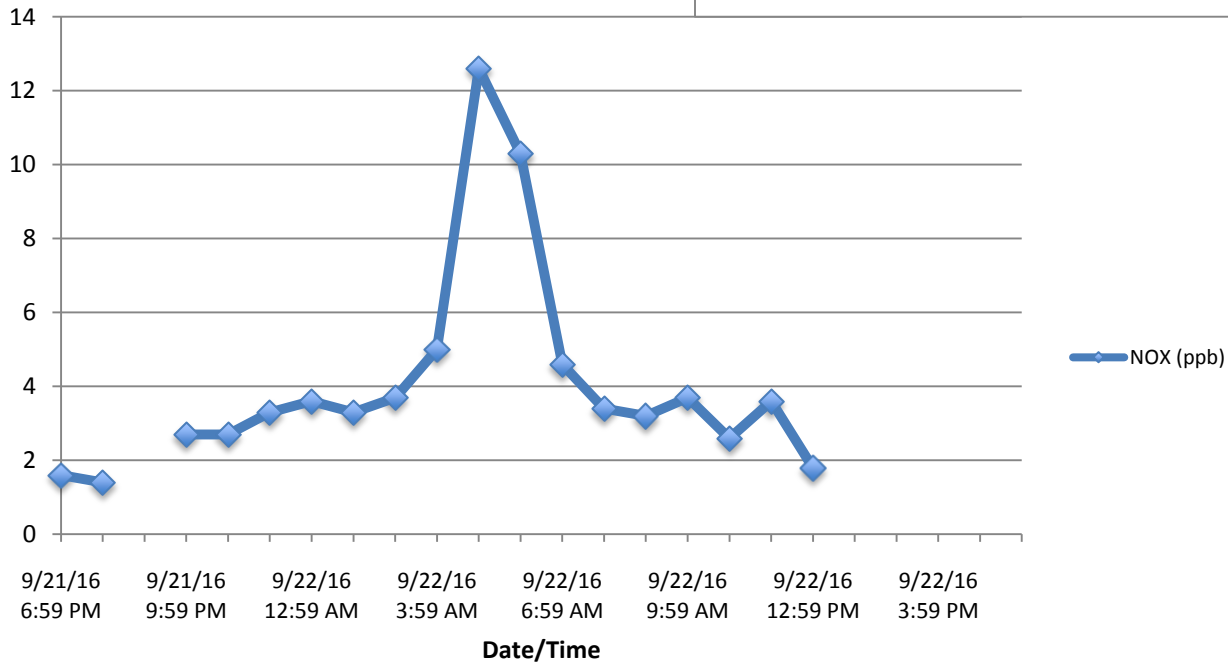
Hourly Averages NO2 (ppb) NAAQS 100 ppb



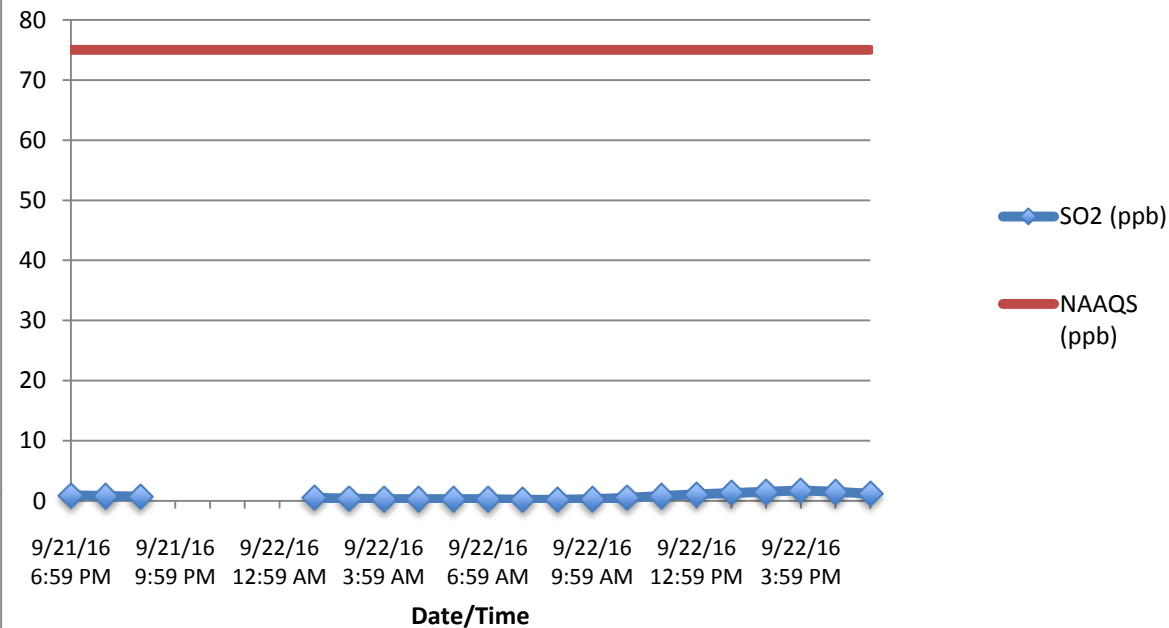
Hourly Averages NOX (ppb)



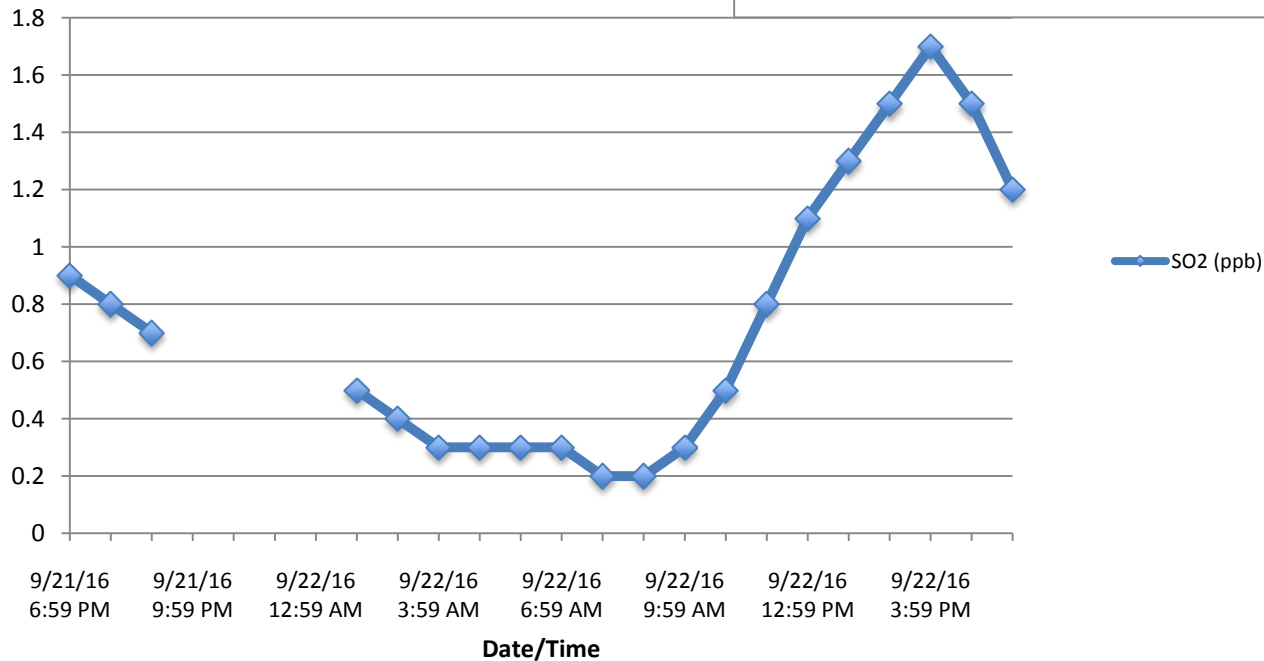
Hourly Averages NOX (ppb) NAAQS 100 ppb



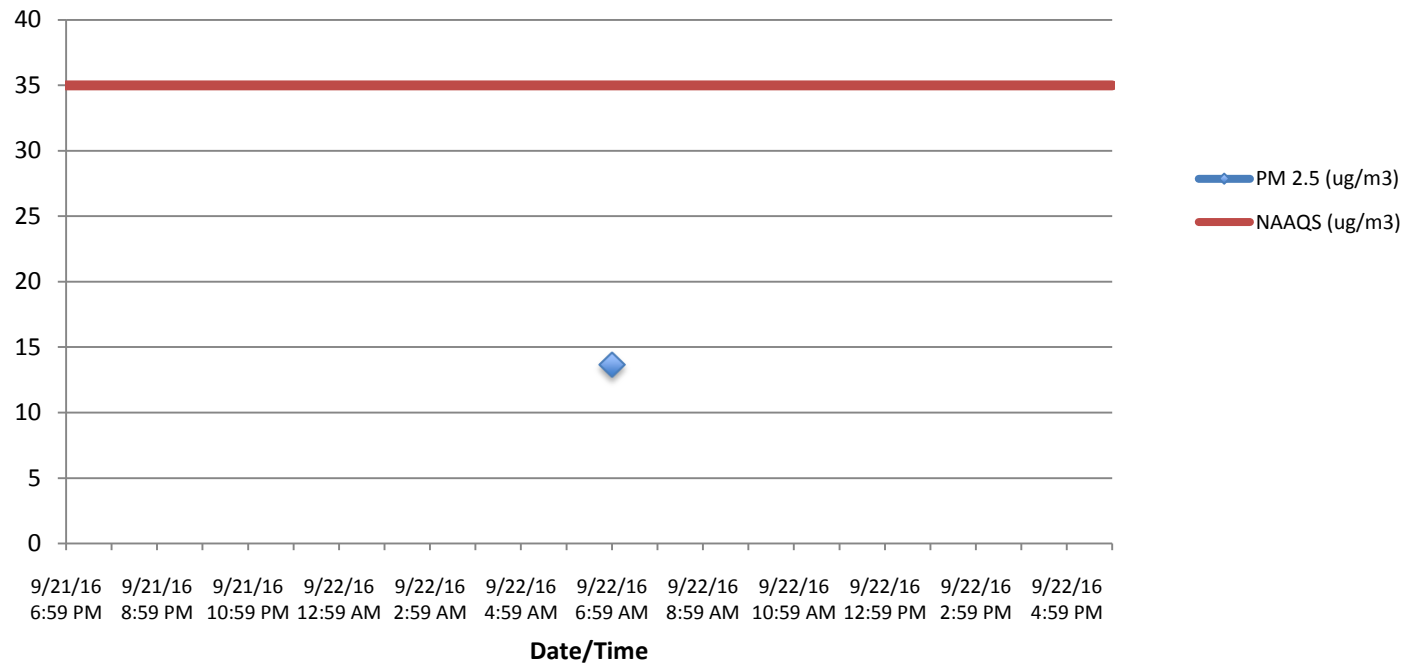
Hourly Averages SO2 (ppb)



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)

