

Using the information provided on the handout entitled "U.S. Emissions of Nitrogen Oxides, Sulfur Dioxide, and Particulates, 1940 - 1998", complete the following assignment:

1. Generate three graphs for the data provided on the handout.
 - a. Nitrogen oxide concentration vs. year
 - b. Sulfur dioxide concentration vs. year
 - c. $PM_{(10)}$ concentration vs. year
2. Analyze and discuss the trends illustrated by these graphs for each pollutant. Include the following in this discussion:
 - Major sources of these pollutants
 - Environmental actions (or in actions) that have contributed to these trends
 - Analyze the general trend (1940 - 1998) and the trend from 1970 - 1998
 - Calculate the percent change for the 1970 - 1998 period and explain the reasons for this change
3. Describe / discuss the major impacts of nitrogen oxides and sulfur dioxide on the environment. Include any chemical reactions these substances undergo in the atmosphere.
4. References