

DATE

NAME

TITLE

COMPANY

ADDRESS

RE: FACILITY  
1-Hour SO<sub>2</sub> NAAQS

Dear Mr. NAME,

On June 22, 2010, the EPA published the new SO<sub>2</sub> 1-hour National Ambient Air Quality Standard (NAAQS) which became effective on August 23, 2010.

Due to limitations of ambient monitoring related to localized impacts of large SO<sub>2</sub> sources, as stated in the preamble and to make the designation and re-designation process more consistent with the historical approach of implementing the SO<sub>2</sub> NAAQS through permitting, EPA is requiring states to use a hybrid analytic approach to make their attainment demonstrations. The hybrid analytical approach uses a combination of modeling and monitoring information to assess ambient SO<sub>2</sub> concentrations. Due to the localized impacts of large SO<sub>2</sub> sources, modeling provides a technically appropriate, efficient, and cost effective method to identify locations of maximum concentrations attributable to the major stationary SO<sub>2</sub> sources. The attainment modeling will model the large emission sources and smaller sources with the potential to violate the NAAQS.

Compliance with the new NAAQS is based on the 3-year average of the annual 99<sup>th</sup> percentile of 1-hour daily maximum concentrations for monitoring and the 5-year average of the annual 99<sup>th</sup> percentile of 1-hour daily maximum concentrations for modeling.

At this time, the AQD is requesting specific information related to modeling for your facility. The information is being collected for inclusion in refined air dispersion modeling that will be conducted to review the ambient impacts of your facility and other facilities in the surrounding area for compliance with the NAAQS. Listed below is the data needed to be able to accurately model your facility using AERMOD. Please review and compile the necessary data and submit it along with any additional data that you feel is necessary in evaluating your facility for the new 1-hour SO<sub>2</sub> NAAQS.

Facility fence line;

Building Information for all buildings located at your facility;

Stack and emission data for all SO<sub>2</sub> emission units located at your facility.

Please submit the requested information as soon as possible. Please note that additional information may be required in the future. If you need further information or have any questions concerning the requested information please feel free to contact me at (XXX) XXX-XXXX or PERSON at (XXX) XXX-XXXX or via e-mail at [email@gov](mailto:email@gov). Thank you for your cooperation.

Sincerely,

NAME  
TITLE  
SECTION  
**AIR QUALITY DIVISION**

Recent Prevention of Significant Deterioration (PSD) modeling of sources in the vicinity of your facility has indicated that your facility will cause or contribute to a violation of the new 1-hour SO<sub>2</sub> NAAQS. Please provide the data as soon as possible so that we can work together toward resolving or mitigating the potential violation of the new 1-hour SO<sub>2</sub> NAAQS. The estimates of ambient impacts were determined using AERMOD as prescribed by Appendix W of 40 CFR Part 51 (Guideline on Air Quality Models).