

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION III  
841 Chestnut Building  
Philadelphia, Pennsylvania 19107

SUBJECT: Model Evaluation Protocol - Allegheny Co.  
Special SO<sub>2</sub> Study

DATE: MAR 22 1985

FROM: *for* Alan J. Cimorelli  
Source Emissions and Evaluation Section (3AM12)

TO: Joe Tikvart  
Office of Air Quality Planning and Standards (MD-14)

As you are aware we are presently entering the modeling phase of the Allegheny County Special SO<sub>2</sub> study. Two years of both meteorological and SO<sub>2</sub> air quality data have been collected throughout the county which I believe will provide an adequate data base for model development and evaluation. The model which will be eventually selected will be used to evaluate SO<sub>2</sub> attainment and modify the SIP as needed.

The modeling portion of this study is essentially three-phased. The first phase entails the development of a model evaluation protocol which specifies, "up-front", those procedures that will be followed in model development/selection and evaluation. It is our intention that this protocol follow recommendations contained in "Interim Procedures for Evaluating Air Quality Models." The second phase will be the selection of a model or models for use in SIP evaluation. The final phase will be to apply those models in order to evaluate and/or revise the SIP.

At the present time the first phase of this project has been completed to the satisfaction of Region III. However, prior to having our consultants (TRC) start work on the second phase, we would appreciate review and comment from the model clearinghouse. A copy of this protocol is attached. We would appreciate hearing from you within two weeks. If you have any questions, please call me at FTS 597-6563.

cc: D. Lohman  
L. Budney  
F. Dougherty  
L. Felleisen