



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Air Quality Planning and Standards  
Research Triangle Park, North Carolina 27711

March 23, 1989

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Air & Radiation Branch  
U.S. EPA Region V

MEMORANDUM

SUBJECT: Model Clearinghouse Review of Outline for PM<sub>10</sub> SIP  
Modeling Protocol

FROM: Joseph A. Tikvart, Chief *J. Tikvart*  
Source Receptor Analysis Branch, TSD (MD-14)

TO: Robert B. Wilson, Regional Meteorologist  
Region X

In response to your request, the Model Clearinghouse has reviewed the "Outline for PM<sub>10</sub> SIP Modeling Protocol." Our understanding is that your States are asked to follow that outline in developing a specific model protocol for each PM<sub>10</sub> SIP area. We also understand from your cover memorandum, that the stagnation model evaluations that have occurred in your States, pursuant to Section III of the outline, have not generally involved a rigorous application of the "Interim Procedures for Evaluating Air Quality Models (Revised)." Rather they have utilized a more limited data base, more in line with the 3a criteria of the Guideline. We also note that you have found that it would be desirable to have somewhat more model evaluation data than that available from "a few monitoring stations" you have had to work with.

We agree that your outline is appropriate for modeling PM<sub>10</sub> areas where valley stagnation or other unique meteorological phenomena may govern the design concentration. We also agree that your requirement for a limited performance evaluation based on the "Protocol for Determining the Best Performing Model" is an acceptable way of implementing the principles in the outline.

By copy of this memorandum, we are urging other Regions to follow the principles contained in your outline, to promote national consistency.

cc: S. Reinders, SRAB/TSD (MD-14)  
M. Smith, SDPMPB/AQMD (MD-15)  
D. Stonefield, SDPPB/AQMD (MD-15)  
Regional Modeling Contact, Regions I-X (w/Copy of incoming memorandum and list of FY 89 Clearinghouse memoranda)