



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

January 10, 1990

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Air & Radiation Branch  
U.S. EPA Region V

MEMORANDUM

SUBJECT: Utah PM-10, Secondary Sulfate and Nitrate Projections

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

TO: Marius Gedgaudas, Chief  
Compliance Section and Utah PM-10, Region VIII (8AT-AP)

In response to your request to Dean Wilson, the Model Clearinghouse has reviewed your proposed procedure for calculating the effects of the reduction of precursor emissions on ambient levels of secondary particulate. We agree that your approach is logical. Given the limitations in information and tools (e.g. models) available to use for assessing effects of controlling precursors to secondary particulates, the approach is a reasonable one.

Our only comment relates to your suggestion in the next to last paragraph that a box type of dispersion model could be used in conjunction with the "up and down" procedure. We do not fully understand what is being proposed here but, as we have previously agreed with John Notar and others in your Region, we do not feel that a box type of dispersion model is technically supportable in this area.

If you have any questions, please contact Dean Wilson (FTS 629-5683) or Quang Nguyen (FTS 629-0832) of my staff.

cc: N. Frank  
L. Hanley  
T. Pace  
M. Smith  
D. Wells  
D. Wilson

# FY 90 MODEL CLEARINGHOUSE MEMORANDA

<u>Date</u>	<u>Region</u>	<u>Subject</u>
10/17/89	VI	Ambient Air
11/7/89	II	Interpretation of On-site Meteorological Data Requirements and the Use of RTDM for a PSD Source
11/28/89	VIII	Utah PM-10 Secondary Sulfate and Nitrate Calculations
01/02/90	IV	Effect of Changing Stack Heights on Prevention of Significant Deterioration (PSD) Modeling and Monitoring
01/10/90	VIII	Utah PM-10, Secondary Sulfate and Projections
01/10/90	VIII	Review of The Utah County PM-10 Draft SIP