

United States Environmental Protection Agency

Atlanta, Georgia

DATE: MAR 10 1986

SUBJECT: Meteorological Data Record To Be Used With The Valley Model  
And Complex I Model

FROM: Regional Meteorologist, Program Support Team

TO: Dean Wilson, Model Clearinghouse

THRU: Bruce P. Miller, Acting Chief, Air Programs Branch

Summary

Based on our telephone conversation of February 26, 1986, it is my understanding that the modeling guidance allows the following meteorological data to be used in lieu of five years of National Weather Service data.

1. Valley Model

Only the worst case impact conditions consisting of F stability and a wind speed of 2.5 meters per second is normally required. If the Valley model is used it normally is all the modeling that is needed and there is no need to base an evaluation in complex terrain or any averaging period other than the 24-hour period. Of course, if there are areas around the source that also require a simple terrain model, then up to five years of National Weather Service data might be required, depending on the size of the source and/or, whether the NAAQS or PSD increment were threatened.

2. Complex I Model

If one year of quality-assured on-site meteorological data is available and we have agreed (protocol) that these data are appropriate, then that data are all that is required in an air quality analysis. If more than one year of on-site data are available, all the data must be used.

Action

Please indicate whether you concur with the above.

Background

Model Guidance documents and telephone call of February 26, 1986.

*Richard A. Schutt for*

Lewis H. Nagler