P55   Evaluating the use of WRF data for input into dispersion model applications

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EPA is currently undergoing a process by which it will update the Guidelines on Air Quality Models (published as Appendix W to 40 CFR Part 51). As part of this process, the use of simulated meteorological data is being examined for use in dispersion modeling applications. This data would typically be used in areas where site-specific meteorological observation programs are infeasible or where National Weather Service observational data is determined to be non-representative. In this evaluation, WRF data is processed through the Mesoscale Model Interface (MMIF) program for use in AERMET/AERMOD simulations. The meteorological data is evaluated on a regional scale, while comparisons between dispersion modeling solutions using both observed and prognostic data are shown.