

RPO Data Analysis/Monitoring Grant Guidance Review

Extracted from the EPA's 3/5/02
RPO 4th Year Policy, Organizational
& Technical Guidance

Key Data Analysis & Monitoring Element

- For the committal SIP due between 2004 & 2006
 - A showing that emissions from the State contribute to impairment in class I areas outside the State
 - By the end of 2004 complete the analyses needed for their contribution assessment
 - Regional modeling is not necessarily needed but the analysis should be credible enough for state decision makers to make commitments towards their SIPs.

Short-Term Milestones

- Analyze existing data and information to develop an understanding of the regional haze problem specific to that RPO.
- Characterize the air quality associated with the extent of the visibility impairment in the region
- Identify additional data needs and technical analysis to support SIP/TIP requirements and time lines.
- Develop technical training as needed.

FY04 Monitoring

- Continue to collaborate in analyzing existing data (IMPROVE, PM2.5, STN, Supersites, etc.)
- Develop technical training as needed.
- Obtain visibility data for urban sites.
- Collect air quality and meteorological data, through supplemental monitoring projects, to address data gaps.

FY04 Data Analysis

- Finish identifying data needs, gaps, etc.
- Implement strategies to deal with gaps.
- Refine validated data archives accessible to all participants (data warehouse).
- Ensure data sufficiency and/or document gaps.
- Complete analysis of speciation profiles of potential contributing source categories so as to facilitate analyses of source contributions, individually and by category.

FY04 Data Analysis

- Determine data formats.
- Complete source contribution assessments using statistical analysis techniques to determine
 - spatial and temporal distributions of PM_{2.5},
 - significant species components of these PM_{2.5} measurements, and
 - major source categories contributing to these species components, whether primary pollutants or precursors to secondary pollutants.

FY04 Data Analysis

- Complete assessments using data analysis and trajectory modeling techniques to determine the extent and magnitude of interregional transport among RPOs.
- Develop technical training as needed.
- Finalize draft analysis, including temporal and spatial analysis.