

NEPA Air Quality Consulting Services

All projects supported by federal funding or requiring federal approvals are subject to environmental review under the National Environmental Policy Act (NEPA). Even a simple NEPA review can require an assessment of impacts to all environmental resources, including air quality. If a project can demonstrate that it will have few or no potential impacts, it can potentially qualify for what is called a categorical exclusion. If this determination cannot be made, the project will require a more detailed Environmental Assessment (EA) or even a full Environmental Impact Statement (EIS). In recent years, the guidance from federal agencies has greatly increased the complexity of such environmental assessments. This has been particularly true in the area of air quality management.



Founded in 1994, Zephyr Environmental Corporation (Zephyr) has extensive experience within the public and private sectors related to the analysis of complex air quality issues. Zephyr's staff of meteorologists, engineers, and environmental scientists has provided such support for projects involving the various State Environmental Quality Acts (SEQAs) and the NEPA. Clients have included federal agencies such as the DOD, DOI, DOT, DOE, USDA as well as other public and private sector entities. Technical activities have included:

- Pre-application air quality scoping analyses
- Characterization of baseline ambient air quality, climatology, and meteorology
- Development of assessment protocols identifying the methodologies for quantifying air quality impacts associated with proposed actions
- Clean Air Act General and Transportation Conformity Determinations
- Health risk assessments
- Stationary, area, and mobile source emission quantification
- Pollutant dispersion and deposition modeling impact assessments
- Greenhouse gas/climate change assessments
- Finding of No Significant Impact, Resource Report, EA, and EIS document drafting and air resource integration
- Impacts mitigation plans, including development of control strategies, technology evaluation, emissions offsets acquisition strategies, and special emissions reduction projects
- Economic analysis of cost-effectiveness, health benefits, and regional economic impacts associated with selected air quality impact mitigation alternatives

Assisting clients worldwide with their EHS consulting, training, and data systems needs.

