

Compliance with air quality regulations is one of the most complex environmental challenges for industry. Zephyr's experienced air quality professionals routinely assist clients with federal and state air quality requirements.

AIR QUALITY PERMITTING

Zephyr's air quality team has prepared more than 2,000 approved permit applications, permit amendments, permit exemption applications, and related studies over the past 40 years. Our permitting project experience includes the preparation of:

- New Source Review (NSR) permit applications
- Federal NSR Prevention of Significant Deterioration (PSD) and nonattainment permit applications
- Permit applications for planned maintenance, startup and shutdown (MSS) activities
- Federal Operating Permit (Title V) initial and renewal applications
- State minor source permit applications
- Permit by rule registrations
- Permitting strategies



ATMOSPHERIC DISPERSION MODELING

Zephyr's meteorologists are recognized experts in providing air quality monitoring data evaluations and atmospheric dispersion modeling services, including:

- NAAQS and PSD increment compliance assessment
- Accidental and dense gas release modeling
- Good engineering practice stack height evaluations
- Simple and complex terrain modeling
- Line source and mobile source modeling
- Fugitive source modeling
- Building and structure wake effects evaluations
- Toxics / health effects modeling
- Offsite consequence analysis modeling

OTHER AIR QUALITY EXPERTISE

Zephyr's experts offer a myriad of services to help clients meet their air quality requirements, including:

- Regulatory applicability determinations
- Air quality compliance audits
- Preparation of emissions inventories
- Preparation of Title V deviation reports and compliance certifications
- Emissions banking and trading
- Greenhouse gases and climate change services
- Control technology evaluations and abatement equipment specification
- Stack testing and CEMS assessments/recommendations
- Environmental assessments and environmental impact statements
- Preparation of databases to automate managing and report air quality data
- Opacity and visible emissions monitoring
- Expert testimony and litigation support
- Health effects evaluation

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

