



Environmental Quality Management, Inc.

Air Quality Services

EQ's Air Expertise

EQ is synonymous with air quality expertise. EQ's staff have been at the forefront of air permitting, modeling, and air pollution control and capture issues since the inception of the EPA. EQ's air experts have the experience, skills, resources, and process knowledge to efficiently meet project objectives. EQ's staff has the reputation and credibility to provide agency interface and effectively negotiate on our clients behalf for viable and workable solutions to air quality projects.



Serving the Air Needs of a Variety of Industries

EQ's air experts are experienced, prepared and available to consult on virtually any air related issues. EQ staff have worked together for over 30 years in every aspect of air quality planning, design, engineering, permitting, modeling, and testing as well as litigation. We have served a number of industries in many sectors including:

- ▶ Steelmaking
- ▶ Cement
- ▶ Automotive
- ▶ Chemical
- ▶ Consumer Products
- ▶ Pharmaceutical
- ▶ Alternative Fuels
- ▶ Utilities

Engineering News Record named Environmental Quality Management (EQ) one of the Top 20 Environmental Firms in Air Quality Services in the United States.

Recent EQ Projects

- ▶ Permitting of a landfill gas to energy boiler project at a pharmaceutical manufacturer
- ▶ Evaluation of performance, and recommendations for a thermal oxidizer at a chemical manufacturer
- ▶ Installation of FGD/baghouse system on coal-fired boilers for MACT Compliance
- ▶ Trial burn source testing at a carbon regeneration facility
- ▶ MON MACT compliance testing and permitting at a basic chemicals plant
- ▶ Permitting of a greenfield biodiesel manufacturing plant
- ▶ Permitting negotiations for a gas turbine cogeneration plant
- ▶ Dispersion modeling at steel facility
- ▶ Multi-state PSD permit evaluation and submittal for a greenfield steel manufacturing facility

Air Services offered by EQ:

- ▶ Permitting and Compliance
- ▶ Dispersion Modeling
- ▶ Air Pollution Control Engineering
- ▶ Accidental Release Prevention/Air Toxics Management
- ▶ MACT Compliance
- ▶ Database Development and Management
- ▶ Air Emissions Testing
- ▶ SARA Title III/Pollution Prevention

Solving Problems... Creating Cost-Effective, Sustainable Solutions!



List of Air Quality Management Services EQ offers its clients:

Permitting and Compliance

- ▶ Title V operating permits, CAM plans
- ▶ PSD and nonattainment permits
- ▶ Minor New Source Review permits
- ▶ Compliance audits
- ▶ Netting and permitting strategy development and regulatory assistance
- ▶ Emission offset surveys

Dispersion Modeling

- ▶ Dispersion modeling to estimate ambient air quality levels for permits
- ▶ New and existing source impact analysis
- ▶ Stack height (GEP) and building wake analyses
- ▶ Human health and ecological risk assessments
- ▶ Accidental release modeling
- ▶ CALPUFF visibility and other impacts for BART and PSD permits

Air Pollution Control Engineering

- ▶ Control system design, troubleshooting, and cost evaluation
- ▶ Combustion and process optimization
- ▶ Fuel and waste utilization
- ▶ Ventilation system design
- ▶ Recommendations and alternatives for RACT, BACT, LAER, and MACT compliance
- ▶ Plans and specifications

Accidental Release Prevention/Air Toxics Management

- ▶ Toxic emissions inventory development and air quality impact assessment
- ▶ Accidental release prevention [Section 112(r)] programs
- ▶ NESHAP/MACT compliance reporting

MACT Compliance

- ▶ Title III Clean Air Act Emission Reporting
- ▶ Reduction of Hazardous Air Pollutants
- ▶ Emission control technologies
- ▶ Monitoring

Database Development and Management

- ▶ Emission inventories
- ▶ Emission fee reports
- ▶ Permit compliance database development
- ▶ CAM support, recordkeeping and reporting

Air Emissions Testing

- ▶ Source testing
- ▶ Continuous emissions monitoring system design, specifications, and certification
- ▶ Ambient monitoring of criteria and toxic pollutants
- ▶ Soil-gas vapor sampling
- ▶ Fugitive emission surveys
- ▶ Emission inventory development

SARA Title III/Pollution Prevention

- ▶ Waste stream and emissions characterizations
- ▶ Identification and evaluation of compliance strategy options
- ▶ TRI report preparation

About EQ

EQ is a full-service environmental consulting, engineering, and remediation firm with offices throughout the U.S., and internationally. In addition to our corporate office in Cincinnati, EQ has offices in Chicago, Durham, Las Vegas, New Orleans, Pittsburgh, Roanoke, Sacramento, San Antonio, and Seattle.

**For additional information please contact:
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