Regulatory Assistance

O'Brien & Gere has an established history of assisting clients in not only meeting stringent air quality regulations, but surpassing them. O'Brien & Gere proactively works with clients to help them achieve and maintain compliance while sustaining maximum operational flexibility.

O'Brien & Gere's experience of interfacing with federal, state, and local regulatory agency personnel provides the expertise necessary to expedite your projects. This experience includes knowledge of the following U.S. Environmental Protection Agency (USEPA) control goals:

- NESHAP (National Emissions Standards for Hazardous Air Pollutants)
- NSPS (New Source Performance Standards)
- RACT (Reasonably Available Control Technology)
- BACT (Best Available Control Technology)
- MACT (Maximum Achievable Control Technology)

REGULATORY COMPLIANCE

Compliance with the myriad of Clean Air Act (CAA) regulations may have a significant impact on:

- Process operations
- Alternate/clean fuel use
- Possible addition of air pollution control equipment

In addition, addressing inventories, sampling reports, and other record keeping and reporting issues is essential.

A further consideration is that CAA regulations may impact compliance related to other environmental issues. For example, installation of an air stripper may increase a facility's wastewater discharge.

Consideration of overall environmental impacts must be carefully made during the control evaluation process. As an example, consideration of alternative fuels would mean a significant change to the motor vehicle fleets located in non-attainment areas. The impact of such would be considered in the feasibility study.

REGULATORY APPLICATIONS

As a result of O'Brien & Gere's extensive experience providing services to clients throughout the U.S., the firm understands the intricacies of air regulations and CAA compliance. O'Brien & Gere has applied this knowledge to:

- Emissions inventories
- Ambient, fugitive, and point-source emission tests for compliant and non-compliant process evaluations
- Air dispersion modeling
- Process and emission control systems
- Permitting
- Superfund Amendments and Reauthorization Act (SARA) Title III reporting and investigations
- Risk assessment

CONTACT US

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Regulatory Assistance

- Evaluation, design, and testing of air pollution control devices
- System start-up and operation
- Interaction with regulatory agencies

O'Brien & Gere also assists clients with:

- Preparing plans to reduce the severity and/or quantity of noncompliant emissions
- Addressing new source compliance
- Meeting PSD (Provate Sector Development), NSR (New Source Review), and air toxics regulations
- Preparing federal and state reports to include the use of mass balance and engineering calculations, test results, and emission factors

O'Brien & Gere applies a variety of methods, including:

- USEPA Reference Methods and specific USEPA methods (e.g., the TO-series)
- National Institute of Occupational Safety and Health (NIOSH) methods
- American Society for Testing and Materials (ASTM) methods for estimating concentrations of specific organic and inorganic compound emissions from sources such as electroplatings, paint booths, scrubbers, boilers, incinerators, bag houses, and other process sources

Regional Environmental Protection Agencies and state air management agencies have approved our methods, our detailed compliance test protocols, and emission test reports.

Air dispersion modeling has been performed to evaluate maximum ground level impact concentrations, by using several USEPA Users Network for Applied Modeling of Air Pollution (UNAMAP) models, including PTPLU (Point Plume), SCREEN 3, ISCST 3, AERMOD (American Meteorological Society/Environmental Protection Agency Regulatory Model), COMPLEX-1, and VALLEY.

EXPERIENCE

O'Brien & Gere identifies the steps necessary to comply with existing and proposed regulations. Our capabilities range from preparation of site-specific control technology evaluations to complex revisions of State Implementation Plans (SIPs).

Through efficiency and cost-effectiveness, we can help you meet your compliance responsibilities in unity with maximum support of your production goals.