

## Air Quality and Compliance Services

### Air Quality Services

A successful approach to air quality management includes the integration of specific business goals into long-term plans for meeting evolving air quality requirements. Gannett Fleming's team of highly qualified and experienced air quality engineers, scientists, and technicians is dedicated to providing quality, cost-effective services and solutions that integrate strategic compliance planning into business management and operating practices.

Our services include:

- Air permitting and compliance
- Air emissions inventories
- Dispersion modeling
- Greenhouse gas inventories and sustainability.

### Air Permitting and Compliance

Gannett Fleming provides comprehensive air quality permitting services related to a wide variety of federal, state, or local programs and has completed numerous air permit applications requiring evaluation for the following:

- New Source Review (NSR)
- Prevention of Significant Deterioration (PSD) review
- New Source Performance Standards (NSPS)
- Maximum Achievable Control Technology (MACT) requirements
- National Emissions Standards for Hazardous Air Pollutants (NESHAP) applicability
- Best Available Control Technology (BACT) analysis.



Our firm prepares Title V and State Operating Permit applications and construction permit applications required by federal, state, and local air quality pollution control agencies. Our staff also conducts compliance audits and assists with strategic modifications to comply with permit conditions and regulations. We have staff certified to conduct U.S. EPA (EPA) Method 9 Visible Emissions evaluations.

Collaboration with clients is vital to strategizing best permitting options to maximize operational flexibility and avoid federal major source status. We evaluate alternatives to facility-specific permits such as permits by rule, general permits, registration permits, permit exemptions, and insignificant activity determinations. Often, we represent our clients in pre- and post-application meetings with regulators. Our staff works closely with project leads as well as regulatory agency personnel to negotiate flexibility into the facility's allowable operating conditions within the given regulatory framework.

## Air Emissions Inventories

Gannett Fleming develops emissions inventories to assess compliance with regulations and as part of air permit applications. The emission inventory is designed to resemble the operation at each facility so changes to operations can be easily changed in the inventory. The output can be useful in:

- Preparing compliance reports
- Developing permitting strategies
- Estimating carbon footprint
- Determining opportunities for reducing emissions.

In addition, our staff completes air emission inventories using emission factors approved by the EPA for mobile sources such as trucks, buses, and other road vehicles, as well as for off-road mobile sources such as locomotives and heavy-duty construction equipment.



## Dispersion Modeling

Our specialists utilize the preferred EPA atmospheric dispersion model, AERMOD, in addition to other state and local models to estimate the impacts of facility operations on both the immediate geographic area and the required vicinity per regulatory guidelines. Using the recommended and appropriate model along with site-specific emissions data, including terrain and meteorological data, we are able to simulate dispersion of air pollutants emitted from a facility to determine impacts to the community and nearby sensitive receptors. Our specialists also are experienced with mobile source models such as EPA's Motor Vehicle Emission Simulator (MOVES) modeling system.

## Greenhouse Gas Inventories and Sustainability

Gannett Fleming has experience preparing greenhouse gas (GHG) inventories to comply with EPA's mandatory GHG Reporting Rule, annual emissions reporting, and major source permitting. We offer carbon footprint evaluation from facility processes, industrial activities, and mobile sources, as well as evaluation of the carbon footprint for office activities such as comfort heating, electricity usage, waste disposal, business travel, and commuting using EPA methodology. To support sustainability initiatives, we also have certified energy auditors who survey facilities to identify energy conservation measures and energy reduction opportunities to provide economic benefits and reduce the carbon footprint.

[www.gannettfleming.com](http://www.gannettfleming.com)

**ISO** 9001:2008  
CERTIFIED

Jasmine Sodemann  
608.836.1500  
[jsodemann@gfnet.com](mailto:jsodemann@gfnet.com)

Atul Salhotra, PhD  
713.784.5151  
[asalhotra@gfnet.com](mailto:asalhotra@gfnet.com)

Mark Johnson  
978.687.7292  
[mjohnson@gfnet.com](mailto:mjohnson@gfnet.com)

Thomas Whitman, CSP, CHMM  
717.763.7211  
[twhitman@gfnet.com](mailto:twhitman@gfnet.com)



Offices Worldwide



00437-0116