



We offer air quality services in accordance with the U.S. Environmental Protection Agency (EPA) and individual state requirements. Our air quality capabilities encompass all aspects of air quality engineering including pre-construction/ Title V permitting, emission inventories, air dispersion modeling, emission reduction credits, ozone depleting substance (ODS) management, stack testing, continuous emission monitoring, preliminary air pollution control design, and risk assessments. We perform numerous air quality compliance reviews and analyses in support of due diligence and environmental documentation such as environmental assessments (EA) and environmental impact statements (EIS).

We thoroughly understand the emissions profile and regulatory requirements for equipment used to support public-sector and private industry operations. Our approach is to develop permitting strategies that minimize ongoing regulatory requirements. Given our knowledge of operational issues, mitigative techniques, and business practices, we are well positioned to identify air quality issues and implement customer-focused solutions.

Permitting Support

- Title V operating permitting
- New source permitting

- Control technology evaluations
- Landfill closure and redevelopment
- Air quality modeling
- Permit negotiation support

Compliance Assistance

- Ambient air quality and meteorological monitoring
- Due diligence support
- Environmental health and safety auditing
- Emissions statements
- Regulatory reporting
- Health risk assessments
- EIS/EA support
- Conformity analyses

Climate Change and Sustainability

- Greenhouse gas (GHG) inventories
- Emissions trading
- Protocol development
- Alternative energy assessments
- Environmental management information system development

CNG Fueling Operations

Supporting NYC Transit's Department of Buses, we evaluated compliance of compressed natural gas (CNG) compressor engines with the federal New Source Performance Standards and National Emission Standards for Hazardous Air Pollutants. We developed a database of specifications and procedures and conducted emission testing (with handheld equipment that saved \$50,000 over traditional methods). For equipment not meeting emission limitations, we analyzed control technology to evaluate the feasibility, budget, and schedule for installation of necessary upgrades.

GHG Inventory

We supported the Township of Bridgewater, NJ, with their GHG Reduction Program to determine a baseline carbon footprint and develop a climate action plan to reduce future emissions. Field and engineering investigation work was conducted to evaluate direct sources and the plan includes a reasonable timeline and an assignment of responsibility to municipal departments and staff.

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