



Comprehensive Air Quality Services

Point Source, CEM, and Fugitive Emissions Testing

Ambient Air Quality and Meteorological Monitoring

Indoor Environmental Quality

Air Permitting

Air Quality Modeling

Operations and Compliance Documentation

Facility Siting Studies

Wind Energy Feasibility and Siting Studies

Dispersion & Deposition Modeling

Air Pollution Control Engineering

Health Risk Assessments

Greenhouse Gas Emission Inventories

Service Benefits

- **Rapid Response**—Our geographically distributed service centers and the ability to deploy quickly ensure we're there when you need us.
- **Experience in all major jurisdictions**—We know the regulators and they know and trust our work.
- **Process and operational expertise in all major industries**—We understand and are sensitive to your constraints.

The Trusted Integrator for Sustainable Solutions

AIR QUALITY SERVICES

Weston Solutions, Inc. (WESTON®) is internationally recognized for its air quality services.

Point Source, CEM, and Fugitive Emission Testing

Our source testing services include:

- Identification and Quantification of Hazardous Air Pollutant (HAP) Emissions from Facility Stacks, Fugitive Sources, and Hazardous Waste Sites
- Hazardous Waste Incinerator Trial Burns
- Compliance Testing for Criteria and Non-Criteria Pollutants
- Evaluation of Emission Control Equipment
- VOC Capture and Destruction Efficiency Demonstration
- CEM Testing, Certification, and Backup Support
- Method Development and Validation
- EPA Information Collection Request (ICR) Support
- Comprehensive Performance Tests
- MACT Compliance Tests



Our mobile laboratories can be configured to provide a range of real-time source emission data.

Ambient Air Quality and Meteorological Monitoring

WESTON maintains a comprehensive inventory of ambient air sampling and meteorological monitoring equipment and the trained staff necessary to provide complete ambient air quality and meteorological monitoring services. These services include comprehensive community exposure assessments, fence-line monitoring programs, wind energy studies, QA audits, data processing and reporting, and monitoring site selection. WESTON pioneered the use of Doppler SODAR systems for upper air stability measurement.

Indoor Environmental Quality

Commercial, industrial, and institutional facility owners and operators have relied on WESTON to provide indoor environmental quality expertise for more than 20 years. Mold, asbestos, and "sick building syndrome" investigations, as well as insurance liability, expert witness testimony, and real estate transfers all require technically sound and legally defensible indoor air quality services. WESTON has assembled a team that includes certified industrial hygienists, indoor air quality scientists, certified indoor environmentalists, and licensed asbestos assessors, supervisors, planners and risk assessors to provide these services and more to a variety of clients.

Air Permitting

WESTON air quality engineers and scientists utilize their knowledge and understanding of the regulatory climate, multiple engineering and scientific disciplines, and current developments in air pollution control technologies to help assess and meet the air permitting needs of our clients. WESTON's full range of services include:

- Minor Permits and Source Registrations
- Synthetic Minor Operating Permits
- Title V Operating Permits
- Prevention of Significant Deterioration Permits
- Drafting Permits and Negotiating Permit Conditions
- Non-Attainment and New Source Review Issues

Air Quality Services



Ambient air monitoring is essential to addressing many of the environmental and regulatory issues faced by industrial facilities.



Emission testing is used for compliance demonstration and relative accuracy evaluation of continuous emission monitors.

Air Quality Modeling

WESTON has the staff, computer resources, and experience to conduct air dispersion and deposition modeling in support of air quality permitting, air toxics, risk management, and visibility analyses. WESTON has conducted specialty projects for clients, such as complex terrain dispersion modeling, accidental release, and cooling tower icing/fogging studies.

Air Pollution Control Engineering

WESTON's air quality experts have broad expertise in technical and economic evaluation of air pollution controls, including process optimization to reduce emissions, material substitution, and add-on controls, such as fume incineration, catalytic oxidizer, carbon adsorption, absorption, thermal and catalytic NO_x reduction, fabric filtration, electrostatic precipitation, and scrubbing. WESTON provides:

- Feasibility Studies
- Performance and Design Specifications and Bid Evaluations
- Negotiation of Service for Purchase Agreements
- Turnkey Construction of Controls and Measurement Systems
- Performance and Compliance Testing for Emission Control Systems

Operations and Compliance Documentation

WESTON assists clients with the development of a wide range of documents to support operations and compliance objectives including:

- Compliance assessments and audits
- Emission inventories—stationary and mobile sources
- Emission testing plans including trial burn plans
- Continuous monitoring plans including quality assurance plans
- Startup, shutdown, and malfunction plans
- Standard operating procedures
- Greenhouse Gas Inventories and Management Planning
- Greenhouse Gas Project Implementation
- Carbon and Renewable Energy Credits Market Activity
- Development of Climate Action Plans

Facility Siting Studies

WESTON conducts facility siting studies for clients to determine the best location for new construction or facility expansion, including the siting of wind energy facilities. Siting studies may include an assessment of the schedule and cost to obtain environmental permits and the need for baseline monitoring and on-site evaluations. Screening dispersion modeling and permitting reconnaissance are often included in the siting study to assess data collection requirements and identify potential “fatal flaws” for a site.

For More Information, Contact:

Your Local WESTON Office:

www.westonsolutions.com/about/locations.htm

info@westonsolutions.com

1-800-7WESTON

