



## ● AIR QUALITY SERVICES

### SOURCE/CEM/FUGITIVE EMISSIONS TESTING SERVICES

Weston Solutions, Inc. (WESTON®) is internationally recognized for its emission testing. Using U.S. EPA and state-approved procedures and equipment, WESTON performs compliance tests for industry. Our source testing services include:

- Identification and Quantification of Hazardous Air Pollutant 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 and Certification
- Method Development and Validation



*The mobile CEMS laboratory is equipped with an integrated calibration gas flow control system.*

### AMBIENT AIR QUALITY AND METEOROLOGICAL MONITORING

WESTON maintains a large inventory of ambient air and meteorological sampling equipment and the trained staff necessary to provide complete ambient air quality and meteorological monitoring services. Services include complete turnkey monitoring projects, QA audits, data processing and reporting, and monitoring site selection. WESTON pioneered the use of Doppler SODAR systems for upper air stability measurement.

### INDOOR AIR QUALITY

Commercial, industrial, and institutional facility owners and operators have relied on WESTON to provide indoor air 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, licensed asbestos assessors, supervisors, planners and risk assessors, and our AIHA-accredited laboratory 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 industrial 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

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# Air Quality Services



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



## 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 odor assessment studies. 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<sub>x</sub> 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 Emissions Control Systems

## HEALTH RISK ASSESSMENTS

WESTON developed many of the multiple pathway health risk assessment methods used by industry today. WESTON's staff includes toxicologists and support professionals who focus on health risk assessment assignments.

## COMPLIANCE AUDITS

Many companies are conducting internal compliance audits of their facilities to identify potential regulatory problems and liabilities and avoid enforcement action by regulatory agencies. WESTON has trained compliance experts to conduct compliance audits for our clients.

## FACILITY STUDIES

WESTON conducts facility siting studies for clients to determine the best location for new construction or facility expansion. 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. Air quality permitting and monitoring are typically long-lead project tasks. 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:

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