



INDOOR AIR QUALITY

APTIM scientists and engineers develop innovative and cost-effective solutions to ease the stressors you may face while addressing indoor air quality (IAQ). Our team of experts make the process easy by assessing the current state, providing a plan for remediation, and selecting a team with backgrounds and certifications fit to attain your IAQ goals. Qualifications include:

CERTIFIED EXPERTS

- ▶ Industrial hygienists
- ▶ Indoor air quality professionals
- ▶ Asbestos inspectors and management planners with state-specific licenses
- ▶ Mold assessors with state-specific licenses
- ▶ Lead inspectors with state-specific licenses
- ▶ Healthcare safety professionals

DEGREES

- ▶ Chemistry
- ▶ Environmental science
- ▶ Health sciences
- ▶ Industrial hygiene
- ▶ Microbiology
- ▶ Occupational health and exposure science
- ▶ Public health science
- ▶ Safety sciences

APTIM can help manage and maintain IAQ to reduce pollutant exposure, thereby reducing associated costs, including:

- ▶ Expensive building remediation
- ▶ Downtime and/or closure
- ▶ Absenteeism\

INVESTIGATIONS AND SURVEYS

APTIM conducts IAQ investigations and surveys for biological, chemical, man-made mineral fibers, moisture intrusion, and particulates for industrial, commercial, residential, and government buildings with a focus on these areas and processes:

INTERIOR

- ▶ Ceilings
- ▶ Finishes
- ▶ Floors and floor coverings
- ▶ Insulation
- ▶ Mechanical issues (e.g., heating, ventilation, and air conditioning)
- ▶ Plumbing
- ▶ Walls

EXTERIOR

- ▶ Air intakes
- ▶ Basements
- ▶ Building envelope (e.g., infrared radiation thermal imaging surveys for water intrusion)
- ▶ Crawl spaces
- ▶ Exterior elevations
- ▶ Foundations
- ▶ Roofs

PROCESSES

- ▶ Chemical manufacturing
- ▶ Laboratory processes and maintenance tasks
- ▶ Metal finishing
- ▶ Painting
- ▶ Petroleum refining
- ▶ Plating
- ▶ Welding

ASSESSMENTS

APTIM provides an array of services, including studies, surveys, inspections, and abatement management, using state-of-the-art software and health and safety products. APTIM also partners with microbial laboratories and decontamination/abatement companies to provide high-quality, turnkey solutions. In-house services include:

- ▶ Asbestos and lead assessment
- ▶ Abatement oversight monitoring
- ▶ Abatement management
- ▶ Third-party monitoring
- ▶ COVID-19 risk reduction
- ▶ Health risk assessment
- ▶ Site-specific safety and health plans
- ▶ Heating, ventilation, and air conditioning design
- ▶ Job hazard analyses
- ▶ Pre-demolition support
- ▶ Qualitative and quantitative industrial hygiene services, including personal and area air sampling
- ▶ Decommissioning of coal-fired power plants and other industrial sites
- ▶ Property transaction
- ▶ Bid specifications

CONTAMINANTS

BIOLOGICAL CONTAMINANTS

- ▶ Bacteria, viruses, and protozoans
- ▶ Bioaerosols
- ▶ COVID-19
- ▶ Food-borne contaminants
- ▶ Fungus and mold
- ▶ Insect and animal droppings

MAN-MADE MINERAL FIBERS

- ▶ Fiberglass
- ▶ Glasswool
- ▶ Rockwool

CHEMICAL CONTAMINANTS

- ▶ Asbestos and lead
- ▶ Carbon dioxide and carbon monoxide
- ▶ Carpet- and floor-associated chemicals
- ▶ Formaldehyde and volatile organic compounds
- ▶ Nitrogen oxides and ozone
- ▶ Pesticides and herbicides
- ▶ Respirable particulates
- ▶ Welding fumes

EXPOSURE CONTROLS

Based on the investigation, survey, and assessment results, APTIM offers corrective actions to eliminate or reduce contaminant exposure, including:

ENGINEERING

- ▶ Chemical elimination and/or substitution
- ▶ General and local ventilation
- ▶ Process modification
- ▶ Remediation and abatement

ADMINISTRATIVE

- ▶ Exposure prevention programs
- ▶ Laboratory chemical hygiene plans
- ▶ Scheduling
- ▶ Training

PERSONAL PROTECTIVE EQUIPMENT

- ▶ Body protection
- ▶ Eye and face protection
- ▶ Foot protection
- ▶ Hand protection
- ▶ Head protection
- ▶ Respiratory protection

CONTACT

Connect with our Industrial Hygiene Services team
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