

# Environmental Health and Safety

Federal law requires industrial and commercial clients to adopt rigorous strategies for following the air, water, labor, and noise guidelines that support environmental and occupational safety. As the pressures of liability and regulatory compliance continue to build, many regulatory agencies are moving toward more self-regulation. GAI Consultants designs comprehensive audit programs so firms can regularly review their facilities for compliance with federal, state, and local laws, regulations, and policies.

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**Comprehensive audit programs that meet regulatory demands means workers, facilities, and communities are protected from the effects of pollution.**

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GAI tailors environmental, and health and safety, audit services to fit each client's specific needs, covering a broad range of industries. Our solutions help control liability by identifying deficiencies before they become an issue. Our professionals

find solutions that heighten compliance levels, employee morale, and efficiency by identifying the potential for injury, citations, and production interruptions. We work closely with clients throughout the process of implementing audit recommendations, designing corrective action plans, negotiating with regulatory agencies, and monitoring construction activities.

Proactive safety measures and environmental stewardship enhance investor confidence. Our industrial hygienists, environmental engineers, scientists, and safety professionals understand current regulations and what is required for compliance. GAI's services cover compliance and management, modeling, health and safety, hazard communication, workers compensation case management, and emergency response readiness.

Environmental noise impact studies and highway noise analyses are conducted by GAI's environmental professionals. Our noise abatement measures and noise ordinances are developed to reduce noise pollution from ground and air traffic.



## Service Profile



GAI provides on-site support during Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) inspections. We develop strategies for Resource Conservation and Recovery Act (RCRA) compliance and prepare the following—Preparedness, Prevention and Contingency Plans (PPCP) and Spill Prevention Control and Countermeasure (SPCC) Plans.

Detailed environmental investigations, analyses, and audits help protect industrial facilities, energy plants, workers, and entire communities from the harmful effects of environmental pollution. GAI streamlines the compliance process by coordinating with regulatory agencies, and our experienced and diverse staff is dedicated to finding economical solutions for client's environmental health and safety issues.

### Environmental Health and Safety Services

- Environmental site assessment
- Risk assessments/environmental audits
- OSHA compliance consultation
- Industrial hygiene surveys
- Asbestos and lead assessment services
- Indoor air quality evaluation
- Air compliance management
- Health and safety plans and training classes
- Environmental health and safety training
- Noise pollution impact studies
- Noise monitoring and mitigation measures
- Noise modeling using Traffic Noise Model (TNM)
- Municipal noise ordinance design, update, and enforcement
- Noise barrier design
- Noise training seminars
- Expert testimony on noise analyses
- Community participation coordination
- Hazardous and industrial waste management
- Underground storage tank inspection/remediation
- Ground-water evaluations and remediation
- Water and wastewater treatment

### GAI Services Summary

- Airport Planning and Design
- Bridge and Structure Inspection and Design
- Coal Combustion Residuals Management
- Construction Inspection and Management
- Cultural Resources Management
- Economic Analyses and Strategies
- Electric Transmission Design and Siting
- Environmental Engineering
- Environmental Studies, Species Studies, Permitting
- Gas Pipeline Surveying and Mapping
- Geographic Information Systems (GIS)
- Geotechnical Engineering and Geology
- Impoundment and Landfill Permitting and Design
- Land Development Engineering
- Landscape Architecture and Design
- Master Planning and Urban Design
- Mechanical, Electrical, Structural Engineering
- Natural Gas FERC Certification and Permitting
- Nuclear Energy Engineering Support
- Right of Way and Appraisal Support
- Land Surveying and Mapping
- Transportation Planning and Design
- Utility Management Consulting
- Water, Stormwater, Wastewater Management

The scope of professional services that are provided by or offered out of each GAI office including, but not limited to, engineering and surveying services, is governed by the professional and business licensing requirements of each individual State or jurisdiction in which the GAI office is located and whether GAI has the requisite professional and business licenses for that State or jurisdiction. Nothing on GAI's Web Site or marketing materials is intended to be interpreted or construed as offering to perform professional licensed services where prohibited unless the licensing requirements have been met. Engineering services are not offered out of GAI's Northern Kentucky (Florence) office location. Surveying services are not offered out of GAI's Illinois location or by our New York subsidiary.

