

HEALTHCARE

MDOT WBE Certification No. 04-010

State Of Maryland SBR

City of Baltimore WBE No. 09-005251

Established in 2003, Aria Environmental, Inc. (AE) is a small woman-owned corporation that provides environmental, industrial hygiene, and safety consulting and EPA/OSHA compliance training to federal, state, and local governmental agencies and the private sector. We maintain certifications in industrial hygiene, asbestos and lead-based paint services, hazardous waste operations and emergency response, drinking water, storm water management and sediment/erosion control. These certifications along with our education and experience enhance our ability to meet the challenges that arise during building construction, renovation or demolition and in finding efficient and effective solutions to environmental, health and safety issues.

AE has supported research facilities and hospitals in the region by providing environmental sampling, development of abatement specifications, generation of cost estimates and facility characterization surveys as well as providing industrial hygiene and safety services. Support activities include: the evaluation and upgrade of ventilation equipment, ventilation studies, industrial hygiene monitoring, hazardous materials abatement project monitoring, comprehensive safety audits, laboratory operations design review, construction safety support involving interior demolition and construction activities, real-time air quality monitoring and the evaluation of contractor work practices potential impact on hospital operations.

Hospitals

Anne Arundel Medical Center
Frederick Memorial Hospital
Johns Hopkins Bayview Medical Center
St. Agnes Hospital
University of Maryland Medical System
Various Campuses

Research Facilities

Chesapeake Biological Laboratories, University of Maryland
Federal Drug Administration
National Institutes of Health
National Institutes of Science & Technology
Naval Research Lab

Services

Asbestos/lead/hazardous materials identification, management and abatement design

Industrial hygiene program development, evaluations and exposure assessment

Hazardous waste management

Pollution prevention program support

Environmental, safety and health training

Indoor air quality investigations

LEED pre-occupancy air monitoring

EPA/OSHA compliance support

OSHA compliance training,

Employee Exposure Monitoring

Comprehensive safety audits

Laboratory operations design review,

Hazard communication program implementation

Third-party review of all safety & health policies and procedures

Laboratory decommissioning

Waste anesthetic gas surveys

Ventilation studies

Exhaust system ventilation upgrades

Dust monitoring & work area inspections during construction

Strategic environmental management planning

Multi-media environmental compliance audits

Phase I/II site assessments and investigations

Subsurface soil and ground water investigations

Project Examples

Hospitals

University of Maryland Medical System (UMMS), Facilities Management On-Call Contract for Industrial Hygiene, Health & Safety Support Services, Various Locations, Baltimore, MD – AE provided a pre-renovation survey for asbestos, lead-based paint, PCB's, mercury containing equipment, ozone depleting substances and low level radioactive materials. Asbestos sampling was performed on both interior and exterior surfaces plus roofing materials and specifications were developed for the air conditioning and MEMA upgrades at the school.

Anne Arundel Medical Center, Annapolis, MD — AE performed indoor air quality (IAQ) evaluations and employee exposure monitoring in temporary and permanent histology, pathology and microbiology laboratory space during and after construction of the newly expanded hospital. Field screening tools including a TSI IAQCalc and RAE Systems ppbRAE Photoionization Detector were utilized to trace leaks in exhaust ventilation equipment and identify elevated concentrations of solvent vapor in the temporary laboratories.

Indoor Air Quality Monitoring Services, Operating Room Expansion, Johns Hopkins Bayview Medical Center, Baltimore, MD — AE provided asbestos inspection and construction safety support along with real-time IAQ monitoring for the Operating Room (OR) Expansion Project at Johns Hopkins Bayview Medical Center for ICRA compliance. The project involved the construction of four operating rooms and the expansion and upgrade of existing patient care facilities. AE's role was to ensure that the construction activities operated to the highest standards for dust and infection control and to monitor compliance with applicable OSHA/MOSH construction regulations.

Research Facilities

Naval Research Laboratory Buildings 65/75 and 74/81 NAVFAC Washington, Washington, DC—AE performed enhanced ambient air monitoring of semiconductor laboratory site that is adjacent to the world's largest advanced waste water treatment plant built in the 1940's during WWII. The results of the air monitoring were used to design the mechanical ventilation system and to specify the size and type of filter media required to ensure clean room and purity objectives for the laboratory operations.

Phase II Environmental Site Assessment/Laboratory Decommissioning Study, USACE, Kansas City Dist., St. Louis, MO – AE assisted in the performance of ASTM E1903-11 Phase II ESA activities including a mercury vapor survey over 15,000 SF of laboratory space; fifty sink trap inspections for mercury and reactive azides; and the perchlorate sampling of 26 stationary fume hoods and one mobile chemical fume hood for perchlorates.

Testing of Laboratory Introduced Hazardous Materials in Building 29 Complex and NLRC, Food And Drug Administration/National Institute Of Health, Bethesda, MD — AE completed laboratory wide testing for mercury vapor, ethidium bromide, reactive compounds in sink traps and fume hoods and contaminants in the vacuum system. AE also evaluated laboratory related equipment for asbestos and lead-based paint.

Professional Certifications

Certified Industrial Hygienist
Certified Safety Professional
Certified Environmental Trainer
Registered Environmental Manager
LEED Green Associate

Certifications Related to Hazardous Materials Investigations

AHERA Inspector/
Management Planner/
Project Designer
Lead Inspector Technician/
Risk Assessor
Lead Paint Inspection Contractor
Radiation Safety License (XRF)

Hazardous Waste Operator and Emergency Response (HAZWOPER)

Contact Us

For more information about our industrial hygiene, environmental and safety consulting and training services, please contact us:

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