

Sean M. McMahon **Industrial Hygienist**

Summary of Qualifications

- 1+ year delivering industrial hygiene and safety consulting services, including construction safety audits, indoor air quality surveys, and traditional industrial hygiene exposure assessments.
- Provided asbestos remediation oversight and air monitoring services to over a dozen industrial and commercial organizations, often with other complicating hazardous materials.
- Conducted employee exposure assessments with respect to occupational safety and environmental compliance to industrial manufacturing facilities. Areas of specialized expertise include welding exposures, noise, metals, silica and asbestos.

Professional Certifications/Associations

- OSHA (1910.120) Hazardous Waste Operation and Emergency Response, 40-hour training certification
- OSHA Construction Safety and Health, 10-hour training certification
- NYS Dept. of Labor Asbestos Project Monitor and Air Sampling Technician licenses
- American Industrial Hygiene Association (AIHA)

Professional Highlights

COLDEN CORPORATION

Industrial Hygiene – Provide industrial hygiene services including sampling design and field implementation for clients in the manufacturing and construction industries. Conducted Community Air Monitoring and served as the on-site Health and Safety Officer during the remediation of a major utility's former manufactured gas plant.

Asbestos Monitoring – Worked in the asbestos and hazardous materials consulting field as an inspector, air monitor, and project monitor. Provide asbestos consulting services for over a dozen manufacturing and utility clients, as well as numerous school districts throughout Central New York.

INDUSTRIAL HYGIENE CONSULTING, CLARKSON UNIVERSITY

Successfully planned and executed a worker exposure assessment at the Alcoa Primary Aluminum Production Facility using video recording and data logging instruments. Breathing zone air monitoring for total and respirable dust was conducted on employees responsible for the

routine cleaning and maintenance of aluminum smelting pots. The client was provided with visual training tools which synchronized video recordings with real-time data. Employees were able to observe their exposure during each separate task involved with pot cleaning and maintenance.

NY STATE CENTER FOR ADVANCED MATERIALS PROCESSING, CLARKSON UNIVERSITY

Contributed to an EPA and NYS funded project to test the efficiency of a newly designed air purification system developed by Air Innovations Inc. Helped establish experimental protocols, coordinated pilot studies, assisted with subject recruitment and training, collection of air and surface dust samples, personal monitoring and data analysis. The system was installed in the bedrooms of asthmatic children to determine if respiratory function was improved after use. Respiratory function was determined by analyzing exhaled breath condensate for the presence of nitrogen oxides before and after installation.

EDUCATION

Clarkson University
Bachelor of Science, Environmental Science and Policy (2009)