PROFESSIONAL PROFILE



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EDUCATION

BS, Environmental Science, Rutgers State University of New Jersey, 2011

PROFESSIONAL LICENSES

Certified in the Comprehensive Practice of Industrial Hygiene (CIH) by the American Board of Industrial Hygiene, Inc., Certification No. 12572

Certified Safety Professional (CSP), Certification No. 35767

Mikhail Fradkin

Senior Scientist I | Industrial Hygienist

EXPERIENCE SUMMARY

Mr. Fradkin has more than ten years of experience within the Environmental, Health and Safety (EHS) and Industrial Hygiene (IH) field.

TECHNICAL SPECIALTIES

Health and Safety planning, implementation, and oversight on major remediation, construction and infrastructure projects for a Top 20 ENR ranked All-Environmental Firm, with an EMR of 0.82. Site experience includes Superfund and RCRA sites, former manufactured gas plants (MGPs), pharmaceutical and chemical manufacturing sites, and involves but is not limited to development and direct oversight of implementation of Site-Specific Health and Safety Plans (SSHASPs) and Community Air Monitoring Plans (CAMPs). Additional experience includes assuring regulatory compliance, and performing quantitative and qualitative IH assessments in various industries, including chemical manufacturers, construction contractors, and facility maintenance contractors.

REPRESENTATIVE PROJECTS

- Provided H&S support to large pharmaceutical companies. Tasks included reviewing and auditing internal EHS policies; field audits of research and development (R&D) workspaces; performing IH assessments to ensure compliance with both regulatory and company occupational exposure limits.
- Performed the duties of a Health and Safety Officer (HSO) on major multimillion dollar construction projects. Construction work entailed the demolition of existing buildings, new building construction, and/or major renovations of existing facilities. This role included enforcing site safety, coordination of safety meetings, incident investigations, and maintaining communication between site owner, general contractor, and multiple sub-contractors.
- Performed safety oversight and exposure monitoring at former MGP remediation sites, which included real-time and analytical sampling for volatile organic compounds, heavy metals, and polycyclic aromatic hydrocarbons. Data obtained was used to determine whether working conditions required implementation of either engineering controls or use of personal protective equipment.
- Ensured EHS regulatory compliance at major remediation projects. This included weekly EHS site audits, communication with field staff regarding EHS topics, identification of areas for improvement, and assistance with development and coordination of corrective actions.
- Developed client-specific Corporate Health and Safety Plans (CHASPs) for various pharmaceutical, manufacturing, and construction companies. Development of the plans included collaborating directly with the clients to ensure the CHASPs identified and controlled each clients' specific hazards and risks.
- Provided technical support and oversight during the assessment of potential employee exposures for a state law enforcement agency. The assessment focused on evaluating employee exposures to airborne lead and copper during the use of firearms at the agency's shooting range. During the subsequent phases of the project, managed a lead abatement firm during cleaning of the firing range.
- Performed an investigation for elemental Mercury contamination at a thermometer manufacturing plant. Managed the subsequent abatement and developed the clearance sampling strategy.

- Oversaw site Health & Safety and collected personal exposure samples at remediation sites contaminated with Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX).
- Developed sampling strategies and performed industrial hygiene studies to assess employee exposures to various contaminants at manufacturing and construction sites. Assessed employee exposures to chemical and physical contaminants, including noise, silica, and volatile organic compounds. Observed employee work activities and interpreted analytical data to assist with the development of exposure controls (e.g., local exhaust ventilation systems).
- Performed investigation into Legionella contamination of the potable water system of a bus garage servicing a large regional transportation company.
- Performed audits of historical IH assessment for chemical and physical contaminants (e.g., noise, vibration). Identified areas for improvement to allow for the development of new protocols and a collection of new sets of data.
- Developed various EHS compliance programs, including EPA Spill Prevention Control and Countermeasure (SPCC) and NJDEP Discharge Prevention Containment and Countermeasure (DPCC) Plans for medium and large size industrial facilities.
- Conducted indoor air quality (IAQ) investigations for office and R&D workspaces.
- Performed multiple mold investigations in facilities including offices, research facilities, and manufacturing facilities. Additionally, oversaw mold abatement work at a variety of sites. During the abatement, conducted inspection of containment, and post abatement clearance samples.
- Conducted regulatory or company policy compliance audits, including the development of corrective actions. Assisted the client to ensure corrective actions were closed out.
- Prepared, reviewed, and executed Health and Safety Plans for environmental remediation sites. Included onsite compliance reviews of field staff activities and project operations to ensure the safe execution of the projects.
- Conducted multiple noise dosimetry and respirable crystalline silica exposure monitoring for road repair crews throughout New Jersey.
- Assisted large pharmaceutical facilities with various compliance tasks, including developing noise maps.

PROFESSIONAL TRAININGS

40-Hour Hazardous Waste Operations and Emergency Response

OSHA 30-Hour Construction Safety Training