

SUMMARY OF QUALIFICATIONS

- Registered Environmental Engineer-in-Training (EIT) with continuing education and training through the Technical Exam Program at Professional Engineers Ontario (PEO).
- Passionate, results-oriented consultant with extensive experience managing multi-disciplinary projects including environmental site assessments (ESA), subsurface investigations, site characterizations, soil and groundwater remediation programs, underground storage tank removals, groundwater monitoring programs, record of site conditions, and designated substances and hazardous materials surveys in Ontario.
- Worked in the nuclear industry on a large-scale remediation involving the cleanup of an estimated 1.2 million cubic metres of historic low-level radioactive waste in Port Hope, Ontario. This highly-regulated environment involved collaboration with large cross-functional project teams, multiple stakeholders, and project coordination on over 4,800 properties.
- Area of technical expertise includes site characterization, soil contaminant chemistry, groundwater hydrochemistry, contaminant transport, soil/groundwater delineation, contaminated site remediation, and remedial design.
- Project management experience includes developing technical scopes of work and budgets, preparing request for proposals for multi-year contracts, approving deliverables, drafting technical reports, conducting oversight of fieldwork and construction activities, mentoring and training junior peers, and liaising with clients and sub-contractors.

PROJECT EXPERIENCE

Employer: [Parsons Inc.](#)

PROJECT MANAGER | Mississauga, Ontario, Canada (June 2018 – Dec 2018)

- **Federal Government Client. Phase I and II ESAs, 11 Patrol Yard Sites in SE Ontario.**
 - Assessed for potential contaminants of concern in soil, groundwater, and surface water; inspected condition of oil-water separator at patrol yards facilities.
 - Managed and coordinated the site visits, locates, drilling, lab analyses, and report preparations, effectively communicating the overall findings to the client.
 - Successfully delivered the 11 Phase I and II ESA reports in under eight weeks, meeting all budgetary and timeline constraints.
- **Major Oil and Gas Company. Phase I ESAs, Former Petroleum Retail Fuel Facilities in Central Manitoba.**
 - Conducted comprehensive review of historical records and previous environment work pertaining to the contaminated sites.
 - Effectively summarized the past and present contaminating activities at multiple sites, documenting areas of potential environmental concern.
 - Prepared several Phase I ESA reports with recommendations for future work.
- **Major Transportation Company. Designated Substances and Hazardous Materials Survey, Greater Toronto Area.**
 - Managed core tasks including drafting and finalizing designated substances and hazardous materials reports in support of proposed infrastructure rehabilitation and track upgrades at several transit station locations.
 - Summarized pertinent findings, conclusions, and recommendations for client.

YEARS OF EXPERIENCE

6+

WORK EXPERIENCE:

- **Parsons Inc.**
Project Manager
June 2018 – Dec 2018
- **Canadian Nuclear Laboratories**
Project Coordinator
Jan 2016 – June 2018
- **AIMS Environmental**
Environmental Scientist
Nov 2012 – Dec 2015

EDUCATION

- **Master of Environmental Science**, University of Toronto
Toronto, Ontario, Canada
2011 - 2012
- **Bachelor of Science in Biological Science & Mgt.**
Environmental Toxicology and Business Specialization,
University of Ontario Institute of Technology
Oshawa, Ontario, Canada
2006 - 2011

REGISTRATIONS

- **Engineer-in-Training (EIT)**
Professional Engineers Ontario
Technical Examination Program
(ongoing)

ENGINEERING COURSES

- Properties of Materials (2018)
- Statics and Dynamics (2019)

CERTIFICATIONS

- First Aid/CPR
- Workplace Hazardous Materials Information System (WHMIS)
- Transportation of Dangerous Goods

PROJECT EXPERIENCE

Employer: [Parsons Inc. \(continued\)](#)

➤ **Municipal Government Client. Phase One & Two ESAs, Greater Toronto Area.**

- Conducted several Phase One & Two ESAs for property transaction and due diligence purposes of undeveloped agricultural lands.
- Developed proposal; effectively managed project schedules and budgets; prepared cost estimates and work plans; coordinated with subcontractors; provided technical assistance and troubleshooting to field technicians; and drafted and finalized reports.
- Completed field supervision during ESA activities including borehole drilling, soil classification, soil and groundwater sampling, monitoring well installations, well abandonment, and soil disposal.

Employer: [Canadian Nuclear Laboratories](#)

PROJECT COORDINATOR | Port Hope, Ontario, Canada (2016 - 2018)

- Reviewed and approved scopes of work, standard operating procedures, property survey reports, work plans, schedules, budgets, proposed costs, and invoices.
- Provided technical expertise to the team by leading soil delineation reviews.
- Conducted oversight of fieldwork and construction activities, including borehole drilling, soil sampling, interior/exterior gamma surveys, and radon gas testing, ensuring compliance with contract specifications.
- Established and maintained strong working relationships with internal project teams, external consultant/contractors, and key stakeholders.
- Managed high-volume historical file database containing over 4,800 sites and reported biweekly updates to the team. Streamlined the internal technical review process for over 3,500 property survey report by programming electronic database.

Employer: [AIMS Environmental](#)

ENVIRONMENTAL SCIENTIST | Markham, Ontario, Canada (2012 - 2015)

- Managed and reported over 50 Phase I and II ESAs, subsurface investigations, soil and groundwater remediations, underground storage tank removals, record of site condition, designated substances and hazardous materials surveys.
- Completed hands-on research of historical records (i.e. city directories, land titles, fire insurance plans, aerials); identified sources of contamination.
- Screened and effectively selected soil and groundwater samples for lab analyses.
- Planned and mobilized utility locates, drilling, test-pits, and remediations.
- Successful awarded municipal non-potable water approval on a commercial/industrial site, representing an unprecedented achievement for AiMS.
- Prepared comprehensive drawings including borehole plans, impacted borehole locations, estimates of contaminant extent, and delineation plans.

PRESENTATIONS

- Canadian Aquatic Toxicology Workshop. New Brunswick, Canada. October 2013. Presented poster on the toxicity, exposure, and environmental fate of polybrominated diphenyl ethers.
- Environmental Science Field Camp. Reykjavik, Iceland. April 2012. Presented seminar on the impact of aerosols from volcanic eruptions on global climate.
- Ontario Universities Program in Field Biology. Chongqing, China. August 2010. Presented seminar on the socio-economic and environmental impacts of human development.