



Nathan Brown, P.Eng.

Chemical Engineering

Contact

cel 647.531.5172

tel +1 844.235.8565

nathanbrown@roarengineering.com

Education

UNIVERSITY OF WESTERN ONTARIO

2015

Bachelor of Engineering Science in Chemical Engineering

Experience

ROAR ENGINEERING
Chemical Engineering

2015 – PRESENT

Conduct the environmental assessment and remediation of contaminated site locations including assessment of potential environmental hazards, delineation of contaminated areas and, preparation and execution of remediation protocols. Remediation procedures are designed in compliance with applicable regulatory standards and practices.

Conduct site inspections to assess and prepare remediation plans for designated substances such as asbestos, lead and silica on sites. Ensuring that assessments and remediations are conducted in accordance with applicable regulations and standards of best practices.

Determine the presence and extent of environmental contamination on properties through site inspections, sensory assessments, and soil and groundwater sampling. Prepare remediation programs, monitor site conditions and manage site activities. Ensure all work is conducted in accordance with the regulations set out by the Ministry of the Environment.

Assess the origin and cause of fires and explosions based on principles outlined in NFPA 921: "Guide for Fire and Explosion Investigation". Conducting thorough investigations using established and accepted principles of fire and explosion investigation. Examine and test electrical appliances and components for failures relating to fire losses or failures.

Review of applicable codes, standards, and maintenance and installation instructions for product/appliance/system.

Preparation of comprehensive reports relating to the above investigations, completed in accordance with the requirements for an Expert's report as outlined in the Rule's for Civil Procedure.

**DENBY ENVIRONMENTAL
Labourer**

2013 – 2014

Constructed and tested groundwater and septic systems.

Completed regular cleaning and maintenance of heavy equipment.

Operated light equipment.

**CF INDUSTRIES
Engineering Department Intern**

2012

Performed Calculations relating to special plant projects.

Updated process flow diagrams as part of safety inspection.

Assisted engineers with day to day tasks.

Volunteering

Adopt a Scientist

2015

Assisted in presentation and experiments designed to teach elementary-aged children about science and engineering.

Canadian Engineering Competition

2014

Helped organize team placement for the junior competition and monitored resource allocation.

Engineers Without Borders

2013

Contributed to discussions related to subjects such as engineering to benefit developing countries as well as participating in the "Run to End Poverty".

Professional Memberships

National Ground Water Association (NGWA)

Canadian Association of Fire Investigators (CAFI)

National Association of Fire Investigators (NAFI)

Certifications

Mold Inspector Certification National Association of Mold Professionals	2015
Confined Space Awareness Occupational Safety Group	2015
Fall Protection Occupational Safety Group	2015

Additional Courses and Seminars

Canadian Association of Fire Investigators (CAFI)
Chapter 006 Spring Seminars on Fire Dynamics, 2016 – 2018

Fire Findings
Electric and Gas Appliance Fires, 2018
Residential Electricity for Fire Investigators, 2016

Fire Facts Inc.
Canadian National Advanced Fire, Arson and Explosion Training Program, 2015