



Mark Mason

G1, LP, PM2, CFEI, CVFI

Fire and Explosion Investigator, Fuels Specialist

OFFICE

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CONTACT

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Mark has worked for the provincial downstream hydrocarbon regulator in Ontario for approximately 14 years. He has led over 500 fire and 100 explosion investigations involving natural gas, propane, fuel oil, diesel, gasoline, hydrogen, digester and landfill gas. Mark has extensive experience in hydrocarbon appliance operation and failure mechanisms, and expert knowledge of all Canadian codes and regulations with respect to hydrocarbon fuels. Mark worked for the Alberta Energy Regulator for 2 years where he specialized in pipeline inspection and failure investigations with respect to the upstream oil and gas industry. Mark has CFEI, G1, LP, PM2 certifications and over 25 years of experience in the hydrocarbon fuels industry.

CERTIFICATIONS

- Certified Fire and Explosion Investigator (CFEI)
- Certified Vehicle Fire Investigator (CVFI)
- Gas Technician (G1)
- Liquid Propane Mechanic (LP)
- Petroleum Mechanic Helper (PMH)
- Petroleum Mechanic for Underground Installations (PM2)
- Petroleum Mechanic for Aboveground Installations (PM3)

TECHNICAL AFFILIATIONS

- Sat on Ontario Regional Common Ground Alliance Regional Council
- Risk Reduction Group Member for Digester and Landfill Gas Code Review

EDUCATION

Mohawk College

Business Administration
Hamilton, Ontario, Canada
1990

PROFESSIONAL EXPERIENCE

Fire and Explosion Investigator/Fuels Specialist

OCI Group (Formerly Origin and Cause Incorporated)
St. Catherine's, Ontario
2017 – Present

- Investigate all structural and vehicular fires
- Prepare technical reports outlining origin and cause of fires
- Provide technical expertise for hydrocarbon related fires and explosions to other investigators and outside principals requiring expert analysis
- Refine and upgrade my skills through various workshops and training seminars
- Provide training opportunities to the insurance industry through workshops and seminars through presentations and demonstrations of fire investigation related information
- Prepare technical evaluation reports about all hydrocarbon-based equipment failures including residential, commercial and industrial applications

Inspector Surveillance and Enforcement (Pipelines)

Alberta Energy Regulator

Slave Lake, Alberta

2014 – 2017

- Inspected and investigated all pipeline related incidents and operations of Licensees in the Slave Lake operational area
- Evaluated new pipeline construction projects with regard to environmental, regulatory and safety considerations
- Presented alternative recommendations for pipeline maintenance, operation and mitigation strategies to help the Licensees gain knowledge and work toward compliance
- Assisted non-technical AER staff with understanding of pipeline operations and components to increase knowledge and evaluation skills
- Acted as a resource for Licensees and assisted them in meeting the obligations, benchmarks and goals of the organization within the regulatory framework
- Developed effective relationships within the Slave Lake operational area with Licensees, from the President to the field operation staff

Provincial Offences Officer

Technical Standards and Safety Authority

Toronto, Ontario

2000 — 2014

- Inspected and investigated all aspects and incidents involving hydrocarbon fuels
- Monitored and audited the work of over 300 contractors in the geographical area, issuing reports and compliance orders when necessary
- Prepared cases for prosecution and legal action up to and including testifying in court
- Consulted with decision makers in large corporations, including the President of the company, relating to key safety or compliance areas which needed enhancing
- Liaison and train municipal fire and law enforcement agencies in the hydrocarbon field, both in-field and in the classroom
- Key resource to other enforcement agencies, including the Ontario Fire Marshall, Ministry of Labour, Ministry of the Environment, and local Fire and Police departments in the investigation of incidents, providing detailed reports on the findings
- Conducted daily data entry of reports, answering emails and managing schedules for upcoming weeks and months

- Supervised a team of 8 other junior inspectors, acting as a resource and overseeing their work

Utility Services Rep

Union Gas

Cambridge, Ontario

1992 — 1999

- Performed all functions related to the gas distribution system
- Changed and set new meters
- Responded and assisted in making safe all emergency situations related to the gas distribution system
- Worked with all size of piping and pressures in the gas distribution system
- Selected the appropriate regulators and components in the gas distribution system for installation and repair
- Assisted in the repairs and maintenance of the gas distribution up to and including gate station responsibilities
- Repaired and maintained customer-owned equipment, including superior troubleshooting skills with regard to the electrical and mechanical operations of HVAC systems
- Conducted daily data entry of the service call into an in-truck data entry terminal

FURTHER TRAINING & EDUCATION

- NACE advanced pipeline internal corrosion course (June 2015)
- Unmanned Aerial Flight Ground School course (November 2015)
- Ontario Fire Marshall Fire Cause and Determination Course