



Keith Ellwood

CFEI

Fire and Explosion Investigator

OFFICE

Winnipeg

EMAIL

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CONTACT

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Keith is a certified Fire and Explosion Investigator. His professional experience includes over 8 years with the Office of the Fire Commissioner and a further 8 years as a firefighter. He has been involved in more than 500 fire, explosion or technical investigations, approximately 40 mentoring fire scenes, and as a Fire and Life Safety Inspector, he has conducted 556 inspections at various building and occupancy types as well as led 14 inspections at illegal grow-ops. Keith has been accepted as an expert witness.

CERTIFICATIONS

- Certified Fire and Explosion Investigator (NFPA 1033)
- Certified Fire Inspector II (CFI-II)

TECHNICAL AFFILIATIONS

- Member – National Association of Fire Investigators (NAFI)

PROFESSIONAL EXPERIENCE

Fire and Explosion Investigator

OCI Group (Formerly Origin and Cause Incorporated)

Winnipeg, Manitoba

2020 – Present

- Investigate fire and explosion scenes to determine origin and cause

Fire Investigator, Office of the Fire Commissioner

Manitoba

January 2016 – Present

- Responsible for fire cause and origin investigations and associated written reports of incendiary, accidental, natural or undetermined fires in support of the Manitoba fire service and policing authorities. Activities include, but are not limited to, site and scene evaluation, photographing the scene, documenting witness statements, and evidence or exhibit collection. Liaise and assist police agencies, insurance adjusters or other government agencies in determining origin and cause
- Provincial emergency response to wildland fires and search and rescue incidents. Program development maintenance, and instruction in the Fire Investigation Program – Manitoba Emergency Services College, Brandon Manitoba. Provide continual education and training to the fire and policing services on fire investigations, scene and evidence security. Provide real-time consultative services and advice to OFC staff, other fire investigators, fire service personnel across the province when requested. Provide consultative services to local governments, communities, the insurance industry, emergency services departments, provincial agencies, institutions, school boards, and industry with recommendations relative to fire prevention, fire safety and emergency planning and response and fire investigation and relevant fire and emergency response legislation, regulations and standards

Fire/Life Safety Inspector

Office of the Fire Commissioner

Manitoba

July 2012 – January 2016

Firefighter/Crew Chief

Canadian Forces Air Reserve CFB

Winnipeg, Manitoba

August 2011 – July 2012

Fire Safety Inspector

SNC Lavalin

November 2010 – May 2011

Engineering Branch (NCM)

Canadian Forces

Kingston, Ontario/Winnipeg, Manitoba

February 2003 – April 2010

Logistics Branch (NCM)

Canadian Forces

Kingston, Ontario/Calgary, Alberta

March 1990 – February 2003

Firefighter

Kingston Fire & Rescue

Kingston/Pittsburgh Township, Ontario

March 1999 – July 2006

FURTHER TRAINING & EDUCATION

- Safety Services Manitoba Lift Truck Operator (2019)
- Attendee Canadian Identification Society Conference (2018)
- Attendee – Origin and Cause Education Conference (2017)
- Modern Fire Behaviour Seminar (2016)
- Sailor Fire Damper Training Session (2015)
- ASHRAE Seminar on Commercial Kitchen Ventilation (2014)
- CASA NFPA 13 Seminar/Plans Review 2013 First Aid/CPR Instructor (2011)
- TFT Repair Technician (2010)
- ISI SCBA Technician II Certification (2010)
- Respiratory Protection Program Administrator Certification (2008)
- MSA Certified Air-Mask Repair Education Technician (2008)
- Ice Water Rescue 2000 WHMIS Supervisor Training (2000)

Manitoba Emergency Services College

- ATF Electrical Aspects of Fire Investigation (2019)
- Introduction to Inspecting High Hazard Occupancies (2019)
- Wildland Fire Fighting for Structural Firefighters (2018)
- Fire Ground Management (2018)
- ATV Operations for Emergency Services (2017)
- Youth Firesetter Intervention Specialist (2017)
- CPKN Forensic Evidence Collection (2017)
- Report Writing for Fire Investigators (2016)
- Part 3: Large Buildings – Fire Protection (2015)
- Part 3: Large Buildings – Health & Safety (2015)
- Fire Investigator Practical Certification – NFPA 1033 (2015)
- Fire Investigator Written Certification – NFPA 1033 (2015)
- Fire Investigation Accreditation (NFPA 1033 (2015)
- Fire Investigation Practical – NFPA 1033 (2015)
- Fire Investigation Theory – NFPA 1033 (2015)
- OFM – The Arson Prevention Program for Children (2015)
- Fire Protection & Emergency Planning (2014)
- Fire and Life Safety Educator Level I – NFPA 1035 (2013)
- Municipal By-Law Administration (2013)
- Part 3: Large Buildings – Classification & Construction (2013)
- Part 3: Large Buildings – Life Safety Systems (2013)
- Part 9: Buildings – Fire Protection (2013)

- Incident Command System I-200 (2012)
- Part 9: The House – Health & Safety (2012)
- Part 9: The House – Building Envelope (2012)
- Incident Command System I-100 (2010)
- Fire Inspector Level I & II – NFPA 1031 (2009)

Canadian Forces Fire Academy

- Driver/Operator – Pumper, Aerial, ARFF – NFPA 1002 (2006)
- Airport Firefighter – NFPA 1003 (2006)
- Firefighter Level II – NFPA 1001 (2006)
- Fire Services Instructor Level I – NFPA 1041 (2006)
- Hazardous Materials Operations, Technician – NFPA 472 (2006)

PROFESSIONAL ACHIEVEMENTS

- Lecturer on Fire and Explosion Investigations to third-year students – Forensic Sciences Course University of Manitoba
- Presenter at the 2017 South Interlake Mutual Aid District Fire Prevention Conference: Fire Investigations and Reporting – Is There a Value to Investigating and Reporting Fires?
- Presenter at the South East Region Tribal Council Conference – Fire Safety in Buildings, review of Fire Safety in Homes and Other Buildings
- Presenter at the First Nation Housing Manager Forum – Fire and Life Safety Inspections
- Recipient of the Canadian Forces Decoration for 12 Years of Dedicated Service
- Recipient of the Canadian Forces Medal for Service in Southwest Asia
- Recipient of the Canadian Forces Peacekeeping Service Medal
- Recipient of the United Nations Medal for Service in Cambodia
- Top Student – Firefighter Qualification Level 2 – Canadian Forces Fire Academy
- Ranked third out of 50 candidates – Primary Leadership Qualification Canadian Forces Leadership School