

# Curriculum Vitae

## Steve Baker

### **Current Position**

Fire Investigator and Principle with Fire Pro Investigations Ltd.

### **Work Experience**

2003 to Present – Fire Pro Investigations Ltd.

Fire Origin & Cause investigations, Training development and safety coordinator, Electrical design/failure analysis.

Investigation of fire losses including industrial, manufacturing, commercial, residential, heavy machinery, marine facilities, ships, boats, commercial and passenger vehicles, power distribution equipment, residential/commercial appliances and incendiary fires.

2001 to 2012 – Superintendent of the City of Vancouver, Electrical Services.

Assisted the Vancouver Fire Rescue Investigation Division on major fires involving fatal or large dollar losses relating to electrical causation. Developed the Electrical Apprenticeship Program for the City of Vancouver. Held the office of Safety Committee Chair responsible for safety coordination and electrical accident investigations for the City of Vancouver.

1993 to 2001 – City of Vancouver Electrical Services

Installation and maintenance of various electrical systems including high voltage systems, power distribution, generation, gas transmission, industrial control systems, fiber optics, DC overhead systems.

1991 to 1995 – Online Enterprises Ltd.

Owner and Operator responsible for the installation, design and maintenance of electrical systems

1989 to 1991 – MacMillan Bloedel Island Paper Mill

General Foreman responsible for construction, installation, field design and accident investigation

1987 to 1988– Canadian Pacific Railway Mount MacDonald tunnel construction –

General Foreman responsible for all electrical installation and construction

1986 to 1987 – Ontario Hydro

Electrician working on the rebuilding of the Pickering Nuclear Reactor

1985 to 1986 – Electrician working for various electrical contractors

1983 to 1985 – Electrician at the Goldstream Mines in Revelstoke, BC

1977 to 1983 – Apprentice Electrician at the Columbia Hydro high voltage generating station

### **Education and Training**

2018 – Investigation of Residential Dryer Fires

2018 – IAAI- Evidence and Scene Documentation Seminar

2018 – IAAI- Hydrocarbon Patterns on Substrates  
2015 – Investigation of Gas and Electric Appliance Fires  
2013 - NAFI International Vehicle Fire, Arson & Explosion Investigation Science and Technology Seminar  
2012 – NAFI Canadian National Advanced Fire, Arson & Explosion Training  
1977 to 2012 – Courses and Seminars  
    Construction Claims Management, Electrical Design, Electrical Estimating, High Voltage Safety, High Voltage Safety and Control, High Voltage Equipment Installation, High Voltage Cable Splicing, Bonding and Grounding, SCADA and Telemetry, Canadian Electrical Code, Testing and Commissioning High Voltage Equipment, Process control, Data / Telephone Installation, Power Distribution, Uninterruptible Power supply Systems,  
2009 - IAAI International Convention in Dallas, Texas (36 hours)  
2008 - Ignition of Liquid, Gases and Solids by Hot Bodies “IAAI” (4 hours)  
2007 - Fire Prevention Officers Association – Intermediate Fire Investigation  
2006 - International Association of Arson Investigators – Basic Fire Investigation  
1993 - Electrical Project Management – Arizona State University  
1992 - Advanced Project Management – Notre Dame University – South Bend, Indiana  
1978 to 1982 - Electrical Trade School – University College of the Caribou

### **Certifications**

NAFI Certified Fire and Explosion Investigator (CFEI) 18090-9866  
NAFI Certified Vehicle Fire Investigator (CVFI) 18090-9866V  
Interprovincial Electrical Certificate of Apprenticeship – Province of British Columbia  
Field Safety Representative (FSR) Class A – BC Safety Authority

### **Instructing**

2018 – IAAI - Electrical Fire Causation  
2018 – IAAI - Electrical Scene Safety and Fire Causation  
2014 – IAAI - Electrical Arc Mapping  
2014 – BC Safety Authority – Electrical fire Investigation  
2014 – IAAI – Clandestine Labs Electrical Causation and Safety  
2010 – IAAI Fall Seminar – Instructed on Electrical Causation & Developed Test Burn Scenarios  
2009 – IAAI Spring Seminar – Electrical Systems in New Construction  
2009 – IAAI - Hands Across the Border – Recognizing & Securing Electrical Components at Fire Scenes  
2008 – IAAI – Electrical Causation  
2006 – Basic Fire Investigations - Vancouver Fire & Rescues – Electricity and Fire  
2005 – Lower Mainland Fire Investigators – Fire Investigation and Electricity  
2001 to 2012 – City of Vancouver Electrical Apprenticeship Director – developed and designed the electrical Apprenticeship Program for the City of Vancouver

## **Courtroom Experience**

Have given expert opinion in the Supreme Court of British Columbia

## **Test Burns**

Cooktop Fire live burns involving cooking oils, food products, adjacent combustibles and appliance failures

Neon Sign fugitive current damages

IAAI – Assisted with scenarios for live burns at the 2009 Spring Seminar & the 2010 Fall Seminar

Fire Prevention Officers Association - Developed scenarios used in demonstrating electrical causes in the live burn component of the Intermediate Fire Investigation Course  
Testing low voltage systems for ignition capabilities.

## **Membership**

International Association of Arson Investigators (IAAI)

International Association of Arson Investigators (IAAI) BC Chapter 15 – Board Member

National Association of Fire Investigators (NAFI)