

## **Curriculum Vitae**

### **Norman A. Parks, P. Eng.**

#### **Current Position**

Licensed Professional Senior Electrical Forensic Safety Engineer with Fire Pro Investigations Ltd.

#### **Experience**

Norm Parks brings 43 years of Professional Electrical Engineering experience and knowledge of the National Building Code, National Fire Safety Code, Canadian Electrical Code 1 and 2 and over 25 years' experience performing investigations using ANSI and CSA Standards to Fire Pro Investigations Ltd.

He was a member of CSA (Canadian Standards Association) Audits and Investigation Group researching the cause and origin of fires where electrical components, and equipment were involved. He has extensive experience as an Applied Product Liability Engineering Specialist determining product design defects and electrical forensic failure analysis.

Norm is qualified to investigate the following categories of electrical/mechanical equipment:

- air conditioners, pumps, fans, pools and spas, power saws, cleaners, refrigerators, freezers, hair dryers, clothes dryers, ovens, ranges, power drills, coffee makers, dishwashers, power transformers up to 500kV, electrical distribution equipment up to 25kV, power generation equipment up to 500kV, induction motors up to 3,000hp, printing presses, cutting and crease presses, garage door openers, personal hygiene equipment, electric space heating devices, data processing equipment, laboratory testing equipment, telephone exchange equipment, elevator controllers, elevators and escalators, saw and pulp mill equipment, heat tracing cables, temperature controllers, entertainment equipment, alarm panels and lighting equipment, e-cigarettes, lithium batteries, and electro-medical equipment

#### **Education and Training**

1975 – University of Toronto, B. A. Sc. in Electrical Engineering, Certificate in Electrical Fire Investigation from the University of Wisconsin

1986 – Certificate in OH&S from WCB

2007 / 2010 – Arc Flash Protection Course, The Electricity Forum

2010-2018 – UBC Courses in Industrial Electrical Power Equipment

**Courtroom Qualification**

Has been qualified as an expert in the field of Electrical Forensic Safety Engineering and testified in the British Columbia Supreme Court.

**Licenses and Memberships**

Licensed Professional Electrical Engineer in British Columbia, Alberta and Ontario

American Society of Safety Engineers

Institute of Electrical & Electronic Engineers (IEEE)

**Testing**

Have conducted normal and abnormal tests for CSA and UL certified electrical equipment.

**Articles Published:**

Elevator World (Elevator Safety Engineering)

Federal Pioneer's Ltd. BAT (high voltage power transformers up to 500Kv and switchgear up to 69Kv)