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# Allen Bauer

CFEI, CVFI, NFPA 1033 ProBoard Certified  
Fire and Explosion Investigator

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**OFFICE**

Edmonton

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Allen is a Certified Fire and Explosion Investigator with over 20 years' experience in fire suppression. He is a former captain qualified fire investigator with the City of Edmonton fire rescue services investigations branch and has performed over 1500 investigations including fatalities, large structures, arson fires, vehicle and machinery fires. He is currently a member of the NAFI, FIAA and IAFF.

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## CERTIFICATIONS

- Certified Fire and Explosion Investigator
- Certified Vehicle Fire Investigator
- NFPA 1033 Pro Board Certified

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## TECHNICAL AFFILIATIONS

- Member – National Association of Fire Investigations (NAFI)
- Member – Fire Investigation Association of Alberta (FIAA)
- Member – International Association of Fire Fighters (IAFF)

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## CERTIFICATIONS

- Working at Heights
- Next Generation Leadership program by BGR Coaching & Strategic Solutions

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## PROFESSIONAL EXPERIENCE

### **Fire and Explosion Investigator**

OCI Group (Formerly Origin and Cause Incorporated)  
Edmonton, Alberta  
February 2017 – Current

- Conduct Fire and Explosion origin and cause investigations

### **Investigations**

Edmonton Fire Rescue Services  
Edmonton, Alberta  
2004 – 2021

- Former Captain Qualified Fire Investigator with the City of Edmonton Fire Rescue Services Investigations Branch
- Joined the Edmonton Fire Rescue Services in 2004 working as a fire fighter on the suppression side
- In May of 2016 joined the Edmonton Fire Investigations branch

#### Duties and Responsibilities:

- My primary duty as a Fire investigator with The City of Edmonton while working within the Alberta Safety Codes Act is to determine the origin, cause, and

- circumstance of each fire/explosion
- Investigate, write up detailed reports and forward them off to the Provincial Fire Commissioners office

### **Loop Assignment and Activations Technician**

TELUS Communications

April 2000 – 2004

- Processing both urban and rural service orders including field, software and overline orders for Res, Bus, Centrex, Micro link and LNP
- Assigning cable and line equipment, and line equipment features
- Line activation
- Worked with TELUS programs such as FMS, SDAS, CRIS, ASAP, and Infosource
- Working knowledge of assignment, with trouble reporting/shooting, and order-flow
- Member of the ADSL Escalations Team
- ADSL provisioning and activation
- Familiar with PBX and Meridian 1 systems options 51c, 61c, &81c
- Deputy Fire Warden for floors 18,19,20,21
- Employee Health & Safety Committee member
- First Aid attendant for 20th floor

### **Eastern Canada Field Services Supervisor & Transportation Coordinator**

PTI SERVICES Head Office (1997 – 1999)

April 1991 – January 1999

- Coordinated industrial housing projects from Alberta to the East coast, with responsibility for job costing, estimating, fleet management and supervision of man power and equipment, and dealing with client/customer concerns and requests in an expedient and professional manner

### **On Site Supervisor**

1993 – 1997

- Supervised crews of 2-25 men and equipment in setting up pre-fabricated housing for oil field, forestry, and mining companies around the world, in which time I spent two months in Russia setting up housing for a gold mine
- Extensive hands-on electrical, plumbing, and carpentry experience

- Performed job costing and budget control duties for each project
- Operation and inventory control of service truck

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## FURTHER TRAINING & EDUCATION

### Basic Fire Safety Codes Officer (B.F.S.C.O)

July 2016

- An online distance Learning course provided by Lakeland College on the Alberta Safety Codes Act and Fire Discipline. Dealing with local fire problems as shown through stats, as well as basic inspection techniques and basic fire hazards

### Electrical Safety

January 2016

- A 3 hour tested training program provided by the (I.A.A.I) International Association of Arson Investigators on the Certified Fire Investigator Trainer website (CFITrainer.net)
- This course provided critical electrical safety practices that a fire investigator should implement at fire scenes
- Includes how electricity is supplied to a building, the electrical safety actions to complete during the preliminary scene assessment, on going electrical safety measures to be practiced throughout the investigation, what the investigator needs to know about static electricity, and what electrical safety equipment should be in the investigator's toolkit

### Residential Electrical Systems

January 2016

- A 4 hour tested training program provided by the (I.A.A.I) International Association of Arson Investigators on the Certified Fire Investigator Trainer website (CFITrainer.net)
- This course taught the basics of the electrical power generation, distribution, and transmission system
- This course taught the basics of the electrical power generation, distribution, and transmission system
- Explains how power flows into and throughout a residence
- Specific topics include AC and magnetism, the generation and transmission of

electrical energy, key elements of the electrical distribution system, residential service components, overcurrent protection, and branch circuits

## **Basic Electricity**

December 2016

- A 4 hour tested training program provided by the (I.A.A.I) International Association of Arson Investigators on the Certified Fire Investigator Trainer website (CFITrainer.net)
- This course introduced the basic electrical concepts, including: terminology, atomic theory and electricity, Ohms Law, Jules Law, AC and DC power
- This course showed the important relationship between resistance, current, and heat is fundamental to understanding how electricity can be a competent fire ignition source
- A knowledge of basic electricity is essential to successfully investigate potential electrical ignition sources at a fire scene, test hypotheses involving electrical ignition sources, form a conclusion supported by evidence, and competently present methodology and conclusions in legal proceedings
- This module provides the foundation of that basic electrical knowledge

## **Digital Photography and the Fire Investigator**

December 2016

- A 4 hour tested training program provided by the (I.A.A.I) International Association of Arson Investigators on the Certified Fire Investigator Trainer website (CFITrainer.net)
- This course discusses the basics of digital photography for a fire investigator as well as software and editing procedures for digital images to be used as evidence

## **Transportation of Dangerous Goods**

December 2016

- A one-hour online tested training program offered by Edmonton Fire Rescue Services Training School
- This course covered the safe handling and transportation of dangerous goods mandated by federal law under Transport Canada

## **Introduction into Youth Set Fires**

July 2016

- A 3 hour tested training program provided by the (I.A.A.I) International Association of Arson Investigators on the Certified Fire Investigator Trainer website (CFITrainer.net)
- This course provided the foundational background on the scope of the youth set fire problem, the importance of rigorous fire investigation in addressing this problem, and the roll of key agencies in the response to a youth set fire
- This course also presented the responsibility of the fire investigator when working with a youth set fire

### **Accreditation, Certification, and Certificates**

July 2016

- A 3 hour tested training program provided by the (I.A.A.I) International Association of Arson Investigators on the Certified Fire Investigator Trainer website (CFITrainer.net)
- This course provided a primer on accreditation, certification, and certificates for fire investigation training

### **Workplace I/C End user Fall Protection Program**

February 2016

- This half-day end user program taught me to understand the essentials of fall protection as it relates to simple systems and work at heights

### **Incident Command System 100**

May 2016

- This course was an online web based course put on by Edmonton Fire Rescue Services Training School
- The Incident Command System (ICS) is an up-to-date internationally recognized emergency response organizational structure developed to effectively manage all types of incidents such as spills, fires and explosions, and serious vehicle or production accidents

### **Firefighter Qualified Station Officer Program**

July 2014

- An eight-week course was provided by the Edmonton Fire Rescue Services Training school and is a required course to be promoted to the rank of Captain

- within the Edmonton Fire Rescue Services
- Course details include fire ground operations, conflict resolution, Incident Command, problem solving, fire ground organization, and introduction into Fire Investigations and Inspections

#### **Fire Fighter Courses taken Via Lakeland College**

2005

- FF ET100A NFPA 1001 Level I Theory
- FF ET110A NFPA 1001 Level I Practical

#### **NFPA 1002 Driver/Operator Pumping Apparatus**

- HAZMAT 1-DGAW DG First Responder –Awareness
- HAZMAT 1-DGOP DG First Responder-Operational

#### **Fire Fighter Courses taken Via Lakeland College**

2004

- FF 999-1T – Building Construction
- FF 999-4T – Fire Behavior
- FF 1001-32T – Fire Department Communications

#### **Fire Fighter Courses taken Via Lakeland College**

2003

- FF 1001-3309P Interior Structure Fire-P
- FF 1001-3315P Portable Fire Extinguishers(P)
- FF 1001-3315T Portable Fire Extinguishers(T)
- FF 1001-4304P Protect Evid-Fire Cause/Orig-P
- FF 1001-4304T Protect Evid-Fire Cause/Orig-T
- FF 1001-4401P Vehicle Extrication (P)
- FF 1001-4401T Vehicle Extrication (T)
- FF 1001-4402P Assist Rescue Op Teams-P
- FF 1001-4402T Assist Rescue Op Teams-T
- FF 1001-4501P Pre-incident Survey (P)
- FF 1001-4501T Pre-incident Survey (T)
- FF 1001-4502P Maintain Power Plants – P

- FF 1001-4502T Maintain Power Plants (T)
- HAZMAT 472-32.3T Predict Behaviour Material I T
- HAZMAT 472-32.4P Predict Behaviour Material IIP
- HAZMAT 472-32.4T Predict Behavior Material II T
- HAZMAT 472-32T Survey Incident&Collect Info-T
- HAZMAT 472-33P Planning the Response – P
- HAZMAT 472-33T Planning the Response-T
- HAZMAT 472-34P Implement Planned Response-P
- HAZMAT 472-34T Implement Planned Response-T
- HAZMAT 472-35P Evaluation Progress – P
- HAZMAT 472-35T Evaluating Progress – T
- FF 1001-3306P Vehicle Fires-P
- FF 1001-3306T Vehicle Fires-T
- FF 1001-3307P Class A Structural Fire-P
- FF 1001-3307T Class A Structural Fire-T
- FF 1001-3318P Wildland Fires-P
- FF 1001-3318T Wildland Fires-T
- FF 1001-4302P Coord & Interior Attack Line-P
- FF 1001-4302T Coord & Interior Attack Line-TFF 6-FF Part VI Fire Fighter

#### **Fire Fighter Courses taken Via Lakeland College**

2002

DRIVEROP 1-PU Pump Operator “A”

FF 5-FF Part V Fire Fighter

FF 3-FF Part III Fire Fighter

AFTS 002FF Part II Fire Fighter

AFTS 001FF Part I Fire Fighter