

# John McCutcheon

C. Tech, CFEI, CFII



1336 Sandhill Drive  
Ancaster, Ontario  
L9G 4V5

## CERTIFICATION

Refrigeration and Air Conditioning Systems Mechanic Journeyperson (RSE 313A)  
Construction and Maintenance Electrician Journeyperson (RSE 309A)  
Gas Fitter 1 (G-1)  
Oil Burner Mechanic 1 (OBT-1)  
Liquid Propane Mechanic (LP)  
Petroleum Mechanic for Underground Installations (PM-2)  
Petroleum Mechanic for Aboveground Installations (PM-3)  
Refueling Station Installer for compressed fuel gases (RSI)  
Refrigeration Plant Operator B  
Certified Fire and Explosive Investigator (CFEI)  
Certified Fire Investigator Instructor (CFII)  
Certified Engineering Technician (C.Tech) OACETT (Electrical Discipline)  
Certified Installer of Protex Kitchen Fire Suppression Systems  
Trainer Certification – Advanced Managing of Resistive Behavior  
ASME B31 and B51 Training – pending national board commission

## PROFESSIONAL AFFILIATIONS

National Association of Fire Investigators (NAFI)  
International Association of Arson Investigators (IAAI)  
Ontario Municipal Fire Prevention Officers Association  
The Ontario Association of Certified Engineering Technicians and Technologists

## PROFESSIONAL EXPERIENCE

John is a Certified Fire and Explosion Investigator and Fuels Specialist. He has over 17 years of experience, including 3 years with the Technical Standards and Safety Authority where he was Fuels Safety Inspector and Fuels Technical Trainer. Prior to that, he spent 10 years as a Refrigeration and Air Conditioning Systems Mechanic (313A Journeyperson) and Construction and Maintenance Electrician (309A Journeyperson). John has also taught refrigeration and gas fitting at Fanshawe and Conestoga Colleges.

### May 2024 to Present

Fire and Explosion Investigator/Fuels Specialist, **Origin and Cause**  
Ancaster, ON

### June 2022 to Present

Fuels Technical Trainer, **Technical Standards and Safety Authority (TSSA)**

- Create, maintain, and deliver curriculum for hydrocarbon fuels specific training for fuels safety inspectors
- Manage records of training for fuels safety inspectors
- Serve as technical advisor to fuels engineering, inspection, and supervision
- Member of Hydrogen working group to develop training and standards for the evolving hydrogen fuel industry

### October 2021 to June 2022

Fuels Safety Inspector, **Technical Standards and Safety Authority (TSSA)**

- Recruited to review Ontario Fire Marshal Audit delivered to SWMFD in regards to improvement of our fire prevention program
- Conduct and document inspections and investigations resulting from hydrocarbon fuels
- Enhance public safety and ensure compliance to the TSSA Act, supporting regulations, codes, and standards
- Perform final inspection of field approved appliance and variance applications

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## September 2018 to October 2021

Contract Professor, **Fanshawe College and Conestoga College**

- Developed and delivered curriculum for refrigeration and gas fitting
- Evaluate and maintain records of written and practical skills evaluations for post-secondary and continuing education students

## June 2011 to October 2021

Refrigeration and Air Conditioning Systems Mechanic and Construction and Service Electrician, **United Association Local 787**

- Lead Instructor for the NFPA 1033 Fire Investigator course
- Completed apprenticeship schooling while gaining practical experience transitioning from apprentice to journeyman in both 313A and 309A
- Install, commission, diagnosis and repair residential, commercial and industrial HVAC equipment including chillers, boilers, and process burners, furnaces, and ventilation equipment
- Knowledge on requirements of liquid fuel storage requirements
- Perform maintenance/service on hydrocarbon and ammonia refrigeration systems
- Complete comprehensive fuel oil inspections for backup power/heating equipment at institutional facilities and data centers

## November 2007 to February 2010

Utility Technician, **National Fuel Gas Corporation**

Dunkirk, New York

- Operate excavators, backhoes, and directional drilling equipment to install gas main and service infrastructure
- Experience with low and medium pressure natural gas main lines and services
- Locate, excavate, and repair natural gas leaks while ensuring crew and public safety
- Serve as mainline crew leader responsible for safety, productivity and customer service as well as ensuring the timely and accurate completion of reports to supervisors

## June 1999 to November 2007

Staff Sergeant, **United States Marine Corps**

- Staff Sergeant (E-6) with combat service
- Ability to manage difficult situations in adverse conditions
- Mentor subordinate Marines in diverse and dangerous situations
- Trained in the operation of heavy equipment, experienced in munitions and first responder lifesaving skills