

## Wayne Haley | Fire Investigator, IAAI-CFI, NAFI-CFEI

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### Professional Summary:

Mr. Haley is a Fire Investigator and has been a member of the fire service since 1997. He serves with the Belmont, MA Fire Department, currently holding the rank of captain. His current roles are Shift Commander and Fire Investigator.

In addition to fire investigation, Mr. Haley has been a Massachusetts Master Oil Burner Technician since 1990. He is an expert in HVAC systems and controls. He has extensive knowledge of fire codes and code enforcement.

Mr. Haley has investigated hundreds of fires involving commercial and residential buildings as well as automobiles and locomotives. He has been a member of the International Association of Arson Investigators and the National Association of Fire Investigators since 2003. He is certified by both organizations.

### Areas of Expertise:

- Fire and explosion investigations
- Oil burners
- HVAC systems and controls
- Juvenile Firesetter Intervention Specialist

### Licenses and Certifications:

Certified Fire Investigator, IAAI-CFI # 20-111654

Certified Fire and Explosion Investigator, NAFI- CFEI # 27728-16073

Certified Fireplace and Chimney Inspector, F.I.R.E. Service, FCI-469

Private Investigator, State of New Hampshire, License # M-2024-0950

Master Oil Burner Technician, MA Department of Fire Services, License # BU 320840

Emergency Medical Technician, MA Office of Emergency Services, License # E839853

Forensic Locksmith: Automotive/General, Professional Locksmiths of America, #AL-FL-011925-03

### Project Experience:

#### **Belmont Fire Department, Belmont MA Large loss fire**

Lead investigator on a multimillion-dollar loss of a newly constructed residential home. Conducted the origin and cause investigation determining the fire to be the result of spontaneous combustion due to improper storage of oily rags that were being used during the final phase of construction. The building was a total loss.

**Belmont Fire Department, Belmont MA****Double fatal fire**

Lead investigator on a double fatal fire. Conducted the origin and cause investigation of a fire that was started by careless disposal of smoking materials. This fire resulted in the death of an elderly couple.

**Belmont Fire Department, Belmont MA****Locomotive fire**

Lead investigator on a public transportation train fire that was caused by the fuel tank leaking onto a hot surface and igniting.

**Belmont Fire Department, Belmont MA****Fatal fire**

Lead investigator on a fire caused by a heating pad that malfunctioned, caught fire, and resulted in the death of an elderly resident.

**Court Qualifications**

Qualified as an expert witness in fire investigation through the National Fire Academy in Emmitsburg, MD.

**Professional Experience:**

EFI Global, Nashua NH, Fire Investigator 2024-present  
Belmont Fire Department, Fire Captain-Shift Commander 2006-present  
Haley Heating & Cooling, Belmont, MA, Owner, HVAC Technician 1990-2024  
Belmont Fire Department, Fire Captain- Fire Prevention Officer 2004-2006  
Belmont Fire Department, Fire Lieutenant 2001-2004  
Belmont Fire Department, Firefighter/EMT 1997-2001

**Specialized Education:**

Fireplace and Chimney Inspector, Fire Investigation Research and Education Services, 2025  
Automobile Fires Seminar, Metro Fire/Arson Investigators Association, 2025  
Fatal fire investigations, New England Fire Investigation Research & Education, 2025  
Electrical Safety while investigating fires, Metro Fire/Arson Investigators Association, 2025  
MA Department of Fire Services Public Information Officer, Metro Fire/Arson Investigators Association, 2025  
MA State Police Accelerant Detection K-9, Metro Fire/Arson Investigators Association, 2025  
MA Department of Fire Services Drone Unit, Metro Fire/Arson Investigators Association, 2025  
Certified Locksmith: Automotive, General, & Forensic, American Center for Locksmith Training, 2025  
NFPA 1321- Standard for Fire Investigation Units, Metro Fire/Arson Investigators & NFPA, 2025  
Electrical systems, Metro Fire/Arson Investigators & Genesis Forensics, 2024  
New England Fire/Arson Seminar, Interview and interrogation, St Anselm's College, NH, 2024

Resource Considerations for the Fire Investigator, MA IAAI, 2024  
Fire Related Death Investigations, Metro Fire/Arson Investigators, 2024  
Fire Investigation for the Insurance Industry Multi Program, CFITrainer.net, 2024  
Ignitable Liquid Detection K-9 Demo, Metro Fire/Arson Investigators, 2024  
New England Fire/Arson Seminar, Lithium-Ion battery fires, St Anselm's College, NH, 2023  
NFPA 1321 Compliant Fire Investigation Evidence, MA IAAI, 2023  
NFPA 1033 and Your Career, CFITrainer.net, 2023  
Writing the Initial Origin and Cause Report, CFITrainer.net, 2023  
Understanding Undetermined, CFITrainer.net, 2023  
Residential Natural Gas Systems, CFITrainer.net, 2023  
Residential Electrical Systems, CFITrainer.net, 2023  
Principles of Fire Investigation, CFITrainer.net, 2023  
Physical Evidence at the Fire Scene, CFITrainer.net, 2023  
Investigating Motor Vehicle Fires, CFITrainer.net, 2023  
Introduction to Youth-Set Fires, CFITrainer.net, 2023  
Insurance and the Fire Investigation, CFITrainer.net, 2023  
Fundamentals of Interviewing, CFITrainer.net, 2023  
Fire Investigator Scene Safety, CFITrainer.net, 2023  
Fire Investigation for Fire Officers, CFITrainer.net, 2023  
Fire Investigation for Fire Officers, CFITrainer.net, 2023  
Fire Flow Analysis, CFITrainer.net, 2023  
Fire Chemistry, CFITrainer.net, 2023  
Ethics and the Fire Investigator, CFITrainer.net, 2023  
Ethics and social media, CFITrainer.net, 2023  
Ethical Duties Beyond the Fire Scene, CFITrainer.net, 2023  
Electrical safety, CFITrainer.net, 2023  
Electric & Hybrid Vehicle Fires, CFITrainer.net, 2023  
Electric & Hybrid Vehicle Design Basics, CFITrainer.net, 2023  
Effective Investigation and Testimony, CFITrainer.net, 2023  
Documenting the Event, CFITrainer.net, 2023  
Discovery in Criminal Cases, CFITrainer.net, 2023  
Discovery in Civil Cases, CFITrainer.net, 2023  
Critical Thinking Solves Cases, CFITrainer.net, 2023  
Courtroom preparation, Metro Fire/Arson Investigators, 2023

Courtroom Preparation and Testimony, National Fire Academy, 2023  
Charleston Sofa Super Store Fire, CFITrainer.net, 2023  
Basic Electricity, CFITrainer.net, 2023  
Auto fire investigations, Metro Fire/Arson Investigators, 2023  
Digital Photography and the Fire Investigator, CFITrainer.net, 2023  
Legal Aspects of Investigating Youth-Set Fires, CFITrainer.net, 2023  
Accreditation, Certification, and Certificates, CFITrainer.net, 2023  
Arc Mapping Basics, CFITrainer.net, 2023  
An Analysis of The Station Nightclub Fire, CFITrainer.net, 2023  
Alternative Fuel Vehicles, CFITrainer.net, 2023  
The Scientific Method for Fire and Explosion Investigation, CFITrainer.net, 2023  
The Impact of Ventilation in Building Structures on Fire Development, CFITrainer.net, 2023  
The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, CFITrainer.net, 2023  
Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems, CFITrainer.net, 2023  
Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, CFITrainer.net, 2023  
MagneTek: A Case Study In The Daubert Challenge, CFITrainer.net, 2023  
How First Responders Impact the Fire Investigation, CFITrainer.net, 2023  
Electrical aspects of scene investigations, Metro Fire/Arson Investigators, 2023  
Critical Evaluation and Testing of Commonly Reported Accidental Causes, CFITrainer.net, 2023  
Communicating the Value of Membership in the IAAI, CFITrainer.net, 2023  
Charting Your Career Path in Fire Investigation, CFITrainer.net, 2023  
NFPA 921 & 1033, National Fire Protection Association, Metro Fire/Arson Investigators, 2021  
NFPA 921 Chapter 6-Fire effects and fire patterns, NFPA, Metro Fire/Arson Investigators, 2021  
Investigation of propane and natural gas incidents, Metro Fire/ Arson Investigators, 2021  
Massachusetts State Police Crime Lab, John Drugan, Metro Fire Arson Investigators, 2021  
Post blast investigation, MFA, MA State Police Fire and Explosion Investigation Unit, 2019  
Using Resources to Validate your Hypothesis, CFITrainer.net, 2019  
The Potential Value of Electronic Evidence in Fire Investigations, CFITrainer.net, 2019  
The HAZWOPER Standard, CFITrainer.net, 2019  
Process of Elimination, CFITrainer.net, 2019  
Investigating Natural Gas Systems, CFITrainer.net, 2019  
Evidence Examination: What Happens at the Lab? CFITrainer.net, 2019  
Introduction to Evidence, CFITrainer.net, 2019

Explosion Dynamics, DNA, CFITrainer.net, 2019

DNA, CFITrainer.net, 2019

The Deposition Part 1: Format, Content, and Preparation, CFITrainer.net, 2019

The Deposition Part 2: Questioning Tactics and Effective Responses, CFITrainer.net, 2019

Massachusetts Emergency Management Agency: Public Information Officer, 2018

Fire Chief Leadership Academy, Endicott College, 2018

Chief Fire Officer Management Training, MFA, 2018

New England Fire/Arson Seminar, explosive devices and witness statements, St Anselm's College, NH, 2017

An Overview of Using NFPA 921 To Meet the Professional Qualifications for Fire Investigators in NFPA 1033, IAAI, 2017

Photovoltaic systems, MFA, 2016

New England Fire/Arson Seminar, accidental fires and myths, St Anselm's College, NH, 2016

Bomb threat assessment training, MFA, 2014

Auto fire investigations, Metro Fire/Arson Investigators, 2014

#### Education:

Master of Public Administration: Fire and Emergency Services, Anna Maria College, Paxton, MA, 2019

Bachelor of Science: Fire Science, Summa Cum Laude, Anna Maria College, Paxton, MA, 2018

#### Affiliations:

Metro Fire/Arson Investigators, Greater Boston, MA, President

International Association of Arson Investigators (IAAI)

National Association of Fire Investigators (NAFI)

Metro Fire/Arson Investigators, Greater Boston, MA, Vice-President

#### Honors and Awards:

Outstanding Team Response Award, Metro Boston EMS Council, 2015

Unit Citation- Belmont Fire Department, Rescue of an unconscious victim from a fire, 2004

Roland A. Weatherbee Life-Saving Commendation, Belmont Fire Department, 1999