

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:

Metro Fire/Arson Investigators Association, Commercial Kitchen Fires, 2026
Metro Fire/Arson Investigators Association, MA Hazmat Team Response Capabilities, 2026
Metro Fire/Arson Investigators Association, Arson Fire Case Study, 2025
Metro Fire/Arson Investigators Association, Investigating Appliance and Product Failures, 2025
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, MetroFire/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, Executive Board Member (2026)

International Association of Arson Investigators (IAAI)

National Association of Fire Investigators (NAFI)

Metro Fire/Arson Investigators, Greater Boston, MA, Past President (2025)

Metro Fire/Arson Investigators, Greater Boston, MA, Vice-President (2024)

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

