

BRIAN M. PECK

CURRICULUM VITAE

EDUCATION

Bachelor of Science in Engineering, University of Connecticut, Storrs, CT, 1993

Further Professional Studies in Fire & Explosion Investigation, Chimney Fires, Appliance Failures and Electrical Fires

EXPERIENCE

2021-present NEPONSET VALLEY ENGINEERING COMPANY, Inc., d/b/a GAI Engineers, a forensic engineering firm.

Investigate the technical aspects of property damage and personal injury matters, utilizing expertise in electrical and mechanical engineering.

Complete scene examinations, witness interviews, evidence examinations, research, document review, testing, engineering calculations, and report writing, as well as provide expert testimony, on electrical & mechanical equipment and systems.

Electrical projects include household appliances, consumer electronics, power tools, laundering equipment, computer systems, electronics, alarm systems, motors, premises wiring, electrical service equipment, etc.

Mechanical projects include HVAC equipment, wood stoves, pellet stoves, fireplaces, plumbing fixtures, boilers, furnaces, water heaters, water supply piping & components, gas supply piping & components, food processing equipment, machine-shop equipment, janitorial equipment, etc.

2006-2021 TRAVELERS ENGINEERING LABORATORY, Windsor, CT, a property and casualty insurer.

Forensic specialist within the Risk Control Engineering Laboratory responsible for responding to and investigating fires, explosions, and other claims regarding property loss. Responsible for nationwide large loss investigation for multi-million dollar claims involving fires and explosions. Responsible for failure analysis as well as conducting laboratory examinations of evidence collected as part of the investigation.

1993-2006 NORTHEAST UTILITIES, Berlin CT, an electric utility company.

Senior Engineer responsible for the design, installation, and troubleshooting of power plant control systems at hydroelectric and fossil fuel generation systems. Systems provided for remote operation and monitoring of facilities, data collection for FERC compliance reporting, EPA emissions monitoring as well as power measurements of the operation of the power grid.

1989-1993 ABB COMBUSTION ENGINEERING, Windsor, CT, a power plant design and construction company.

Assisted with boron concentration optimization for nuclear station cooling water and other engineering work in the Nuclear Services and Instrumentation & Control Engineering departments. Designed, implemented and tested control systems for installation in nuclear stations being constructed in overseas countries.

1987-present SOUTH WINDSOR VOLUNTEER FIRE DEPARTMENT, sole provider of fire and rescue services for the community

Assistant Chief: [Assistant Chief 2013-, Deputy Chief 2010-2013, Captain 2004-2010, Lieutenant 1999-2004, Firefighter 1987-2004] Responsibilities include response to fire, rescue and EMS emergencies as a line officer and as an incident commander. Department Communications Officer, responsible for the radio system and maintaining interoperability with the Regional Emergency Deployment Plan. Administrative responsibilities include oversee the Operations of the Department through the four Company Captains and the 80 firefighters assigned to the Captains. Chairman of the Emergency Service Function 2 (ESF-2) Regional Mobile Command Post subcommittee for the Capital Region Council of Governments.

TRAINING

<u>Date</u>	<u>Course Title</u>	<u>Hours</u>	<u>Sponsor(s)</u>
Dec 20	Investigating Fatal Fires	4	International Association of Arson Investigators
Nov 20	Critical Evaluation and Testing of Commonly Reported Accidental Causes	4	International Association of Arson Investigators
May 19	Travelers Fire Team Conference, various topics on fire investigation	36	Travelers Engineering Laboratory
Oct 18	Remote Pilot Training	40	Travelers Claim University
Jun 17	Travelers Fire Team Conference, various topics on fire investigation	36	Travelers Engineering Laboratory
Feb 17	Vacant and Abandoned Buildings: Hazards and Solutions	4	International Association of Arson Investigators
Jan 17	Electrical Safety	4	International Association of Arson Investigators
Jul 15	Oil Well Control Fundamentals	16	Wild Well Control
Jun 14	NFPA 921 and NFPA 1033: Updates from the Committee Chairs	8	Travelers Engineering Laboratory
Jan 14	Fire and Arson Investigation: Writing and Defending Your Expert Report	16	Public Agency Training Council
Nov 13	IAAI Expert Witness Courtroom Testimony	32	International Association of Arson Investigators

<u>Date</u>	<u>Course Title</u>	<u>Hours</u>	<u>Sponsor(s)</u>
Oct 13	The Scientific Method for Fire and Explosion Investigations	3	International Association of Arson Investigators
Mar 13	Introduction to Energy Storage Technology	32	University of Wisconsin School of Engineering
Sept 12	Travelers Fire Team Conference, various topics on fire investigation	36	Travelers Engineering Laboratory
Mar 12	Fires involving CSST	8	International Association of Arson Investigators
Feb 12	The Fire Investigator and the 2011 NFPA 921 Changes	4	International Association of Arson Investigators
Apr 11	Plastics, Flammability and UL94 Testing	4	Travelers Engineering Laboratory
Jan 11	Low Voltage Electrical Failures and Fires	8	Kodiak Fire Investigation
Nov 10	Asbestos Awareness Training	8	Travelers Engineering Laboratory
Dec 09	Think Like an Incident Commander	8	Connecticut Fire Academy
Dec 09	Electrical Fire Causes	8	International Association of Arson Investigators
Jun 09	National Chimney Sweep Training School	40	Chimney Safety Institute of America
Mar 09	New and Existing Hood Systems Installation and Maintenance	4	State of Connecticut Department of Public Safety
Oct 08	Fire Pattern Certification	8	Public Agency Training Council
Apr 08	Digital Photography and The Fire Investigator	2	International Association of Arson Investigators
Apr 08	Fire Investigation – Interview Techniques	4	State of Connecticut Department of Public Safety
Mar 08	Advance Fire Science	40	Travelers Engineering Laboratory
Jan 08	NEC 2005 Grounding and Bonding	8	State of Connecticut Department of Public Safety
Dec 07	MagneTek: A Case Study In the Daubert Challenge	4	The International Association of Arson Investigators
May 07	Automatic Sprinkler Systems	4	State of Connecticut Department of Public Safety

<u>Date</u>	<u>Course Title</u>	<u>Hours</u>	<u>Sponsor(s)</u>
Jul 06	Basic Fire Science	40	Travelers Engineering Laboratory
Feb 06	IS-700 National Incident Management System	4	FEMA Virtual Campus
Jan 06	IS-100 Introduction to the Incident Command System	2	FEMA Virtual Campus

PROFESSIONAL

Certified Fire Fighter I & II, State of Connecticut Commission on Fire Prevention and Control
 Certified Fire Officer I, II & III, State of Connecticut Commission on Fire Prevention and Control
 Certified Fire Instructor I & II, State of Connecticut Commission on Fire Prevention and Control
 Member, Technical Committee for NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel Burning Appliances*,
 National Fire Protection Association
 FAA Unmanned Aircraft Systems Remote Pilot