



Advanced Engineering Investigations

CHARLES R. BROWN III, CFEI, CVFI, CETP, IAAI-FIT

Mr. Brown joined AEI after 20 years in the propane industry and 11 years in the natural gas industry. He is an expert in code analysis, interpretation, implementation, compliance, standard of care, training, and safety as they relate to the propane industry. Mr. Brown has significant experience and expertise in the design, installation, inspection, testing, maintenance, repair, and operation of residential, commercial, and industrial propane systems and their components, and the fabrication, installation, and repair of natural gas distribution systems. He has extensive experience in commercial motor vehicle and heavy equipment, operation, inspection, maintenance, and repair.



EDUCATION

Brighton High School/Vocational Welding, 1978
EMS First Responder Program, 1986
Natural Gas Street Fitter Apprenticeship, 1986-1990
Southern Gas Association-Natural Gas Distribution, 1987
40 Hour Hazardous Material Handling Course, 1989
Natural Gas Service Fitter Cross Training, 1992
Apprentice Welder Program Gas Mechanical Shop, 1992

CERTIFICATION & LICENSURE

Certified Fire & Explosion Investigator (CFEI), National Association of Fire Investigators (NAFI)
Certified Vehicle Fire Investigator (CVFI), National Association of Fire Investigators (NAFI)
Propane Education Research Council (PERC) Certified Employee Training Program (CETP)
International Association of Arson Investigators (IAAI) Fire Investigation Technician (FIT)
Colorado Commercial Driver License, Class A, Tanker, HAZMAT

WORK HISTORY

Consultant, *AEI Corporation*, 2017-Present
Branch Manager, *Independent Propane*, 2005-2017
Field Operations Manager, *Independent Propane*, 1999-2005
Vehicle Maintenance Shop Supervisor, *Independent Propane*, 1997-1999
Vocational Instructor, Basic Electricity & HVAC Controls, *Red Rocks Community College*, 1999-2004
Heavy Equipment Operator, *Public Service Company of Colorado, Bernard's Custom Construction, High Country Trucking, and Personal Use*, 1978-Present
Custom Home Builder, *Bernard's Custom Construction*, 1995-1996
Gas Journeyman Fitter/Welder, *Public Service Company of Colorado*, 1986-1995
Boiler Operator/Tender, *Public Service Company of Colorado*, 1984-1986
Firefighter, Captain, *Brighton Volunteer Fire Department*, 1982-1991
Welder Fabricator, *Condor Engineering*, 1982-1984
Welder Fabricator, *Timpte Beall*, 1978-1982

EXPERIENCE

Mr. Brown has worked in all the main areas of the propane industry. He has been a bobtail driver, service technician, vehicle mechanic, route supervisor, purchasing agent, safety instructor, field operations manager, and branch manager. During his 20 years in the propane industry, Mr. Brown has set ASME tanks, installed and repaired gas systems and appliances, delivered propane, requalified and filled DOT cylinders, performed annual inspections related to the DOT certification of cargo vehicles, provided safety instruction, evaluated safety performance from a conformance standpoint, and conducted code compliance reviews. In addition to propane systems, Mr. Brown has extensive experience with residential and commercial natural gas installations resulting from his work as a journeyman gas fitter and welder. Mr. Brown also has hands-on experience related to HVAC controls and basic electricity, boiler operation, firefighting, emergency response, fire science, arson investigation, and heavy equipment operation (backhoe, track loader, tandem dump truck, skid-steer loader, telescoping crane, trolley crane, excavator, and small dozer).



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AFFILIATIONS

National Propane Gas Association (NPGA), Technology, Safety & Standards (TS&S) Committee, 2000-Present

Colorado Propane Gas Association (CPGA) (President, 2014-2016; Vice President, 2012-2013, 2016-2017)

National Association of Fire Investigators (NAFI)

NFPA Technical Committee on National Fuel Gas Code (NFPA 54), Member (2020)

NFPA Technical Committee on Liquefied Petroleum Gas (NFPA 58), Member (2020)