

HENRY V. MOWRY, P.E., DFE



EDUCATION:

B.Sc. Mechanical Engineering, Colorado School of Mines, Golden, Colorado, 2008

REGISTRATION:

Registered Professional Engineer in Arizona, California, Colorado, Georgia, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Texas, Utah, and Wyoming.

EXPERIENCE:

Director of Engineering, Knott Laboratory, LLC January 2021 to present
Engineering Manager, Knott Laboratory, LLC, February 2020 to December 2020
Senior Engineer, Knott Laboratory, LLC, September 2018 to January 2020
Consulting Engineer, Engineering Design & Testing Corp., Centennial, CO, August 2015 to September 2018
Lead Engineer, Iofina Resources, Inc., Greenwood Village, CO, August 2013 to August 2015
Engineer II, Shaw, Stone, & Webster, Cherry Hill, NJ, February 2009 to August 2013
Mechanical Engineer Intern, Caterpillar, Inc., Summer 2008

FORENSIC ENGINEERING INVESTIGATIONS:

While at Knott Laboratory and formerly Engineering Design & Testing Corp., Mr. Mowry has conducted numerous forensic engineering investigations including those related to personal injury and property damage. His investigation experience has included product liability investigations, premises liability investigations, workplace safety investigations, heavy equipment investigations, and others. His investigative experience has involved subjects such as boilers, furnaces, piping systems, residential and commercial appliances, fire suppression systems, heavy machinery, cranes, scaffolding, slips-and-falls (including those involving snow and ice accumulation and mitigation), trips-and-falls, workplace safety incidents, and more. At Knott Laboratory he participates in investigations of complex motor vehicle accidents as well as performing complex accident reconstruction and visibility studies. As a result of his work, Mr. Mowry has also assisted a national hotel chain with addressing concerns related to ADA compliance matters.

FAILURE ANALYSIS:

Mr. Mowry has conducted multiple failure analyses on various components including plumbing fittings and fixtures, PVC piping, copper and iron water piping, gear teeth, bearings, and other components. Through Mr. Mowry's education and experience, he frequently examines mechanical systems and components and determines the cause of failure, including failure to maintain, improper use, long term wear and tear, and design or manufacturing defects.

EXPERT TESTIMONY

As a result of Mr. Mowry's investigations and analyses, he has provided expert witness testimony in both federal and state courts. Mr. Mowry's work has been for both plaintiffs and defendants in the areas of mechanical engineering and pedestrian safety.

ENGINEERING AND DESIGN:

While at Iofina Resources, Inc., Mr. Mowry oversaw the design, installation, and improvement of multiple iodine extraction facilities located on salt water disposal facilities in the mid-stream oil and gas fields in northwestern Oklahoma. He performed equipment sizing and hydraulic analyses for pumps and piping systems, including acidic and caustic fluid handling systems. Mr. Mowry worked closely with project scheduling and budgeting through the design, construction, and commissioning of the facilities. While at Shaw, Stone, & Webster, he also was involved in multiple multimillion-dollar projects including overseeing the design, management, implementation, and start-up of multiple heavy equipment replacement projects at an operational nuclear power generation facility. His work at Shaw, Stone, & Webster included the replacement of the high-pressure turbine, condensate pumps and motors, low and high-pressure feedwater heaters, isolated phase bus duct cooler, main feedwater pumps and motors, and main steam and feedwater pipe support upgrades. In addition, Mr. Mowry oversaw multiple licensing and design basis evaluation projects for nuclear safety related equipment at an operational nuclear power generation facility. He performed federal regulatory evaluation and industry code evaluation for mechanical systems including the auxiliary feedwater systems, containment fan cooling units, and the containment spray system. In addition, Mr. Mowry was the author of a license amendment request submitted to the Nuclear Regulatory Commission to revise the licensing basis for the nuclear facility.

PROFESSIONAL AFFILIATIONS:

Mr. Mowry is a member of the following technical and professional societies:

NFPA	National Fire Protection Association	ASME	American Society of Mechanical Engineers
NSPE	National Society of Professional Engineers	ASTM	American Society of Testing & Materials
NAFE	National Academy of Forensic Engineers		

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