

HENRY V. MOWRY, P.E.



EDUCATION:

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

REGISTRATION:

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

EXPERIENCE:

Director of Engineering, Knott Laboratory, LLC January 2020 to present; Engineering Manager, Knott Laboratory, LLC, January 2019 to December 2020, Senior Engineer, Knott Laboratory, LLC, September 2018 to December 2019.
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 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, bolted connections, pipes, dishwashers, fire suppression systems, heavy machinery, agricultural equipment, cranes, scaffolding, and more. At Knott Laboratory he participates in investigations of complex motor vehicle accidents as well as performing complex accident reconstruction and visibility studies.

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 root 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.

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.

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PROFESSIONAL AFFILIATIONS:

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

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



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