

**Mr. James T. McCabe, P.E.**  
7110 Jean Court  
Westerville, Ohio 43082  
(614) 562-2060  
jamesmccabe@mccabeandassociates.net

## **PROFESSIONAL BACKGROUND**

---

President/Project Manager/Mechanical Engineer  
**McCabe and Associates Engineering Services, LTD** November, 2015 to Present  
**Westerville, Ohio**

Mechanical Systems Engineer responsible for HVAC, Plumbing, Fire Protection systems design for new, renovation and expansion projects for Industrial, Pharmaceutical, Commercial, Office, Correctional, Industrial and Retail Facilities.

Contract employee providing Engineering services for Applied Nuclear Services, INC for the periods from 2016 through 2017. My responsibility included:

1. In 2016, for Applied Nuclear Services, I reviewed and submitted a summary of my review of the calculation and summary estimation of air over pressure values for the energetic delamination of concrete walls at building G-2 Knolls Atomic Power Laboratory prepared by Sigma Engineering Solutions, INC for AECOM. The scope of the review was to substantiate the analysis and estimates for air over pressure (AOP) values associated with the energetic elimination of 5 to 7 feet thick walls between and below cells 1 through 4 located within building G-2 located at the Knolls Atomic Power Laboratory, in Niskayuna, New York.
2. Over the period of 2016 and 2017, I represented Applied Nuclear Services as the company's Fire Protection Engineer responsible to serve as the primary point of contact within the project for issues relating to Fire Protection needs, issues and resources; reviewed work plans, specifications, procedures and acceptance tests related to fire protection equipment; ensure the fire protection systems were inspected, tested and maintained in conformance with the required frequencies in accordance with NFPA 101, Life Safety Code and finally, conducted assessments of the fire protection program at the KAPL, SPRU, New York site.
3. Commissioning Agent – Performed commissioning services for the new Fire Station #35 located in Blacklick, Ohio. Construction Commissions effort is complete and Project is wrapping up and report is in progress

Senior Mechanical Engineer  
**Communications Engineering Consultants** February 2015 to November, 2015  
**Columbus, Ohio**

Senior Mechanical Systems Engineer responsible for Telecommunication and Network facilities HVAC, Plumbing, Fire Protection systems design for new, renovation and expansion projects.

Mechanical Engineer  
**Shremshock Engineering, Inc.** Mar. 2012 to Oct. 2014  
**Westerville, Ohio**

Mechanical systems design engineer responsible for HVAC, Plumbing, Fire Protection systems for light commercial, retail and hospitals including new, renovation and expansion projects.

Director of Engineering  
**Mechanical Systems of Dayton, Inc.** 2010 to Oct. 2012  
**Dayton, Ohio**

Director of Engineering responsible for administration and operation of the Design/Build Engineering Department within the Construction Division. Responsibilities included the supervision of Mechanical systems design of Industrial, Military, Industrial, Health Care, Schools Correctional Facilities and Light Commercial and retail Facilities.

Senior Mechanical Engineer/Project Manager  
**Jacobs Engineering, Inc.** 2008 to 2009  
**Columbus, Ohio**

Project Manager and Senior Mechanical Systems Engineer responsible for leading and overseeing the functions of a staff of four engineers and three draftspersons required to conduct studies of existing facilities, perform mechanical systems design for new, renovation, expansion projects and construction administration responsibilities for said facilities.

Mechanical Department Manager/Project Manager  
**CMID, Inc**

2003 to 2007  
**Indianapolis, IN**

Responsible developing and designing mechanical systems for new, renovated and expansion facilities. The facilities included pharmaceutical, Airport, Offices, Universities and Health care facilities.

Mechanical Engineer  
**Schooley Caldwell Associates, Inc.**

2000 to 2002  
**Columbus, OH**

Mechanical systems design engineer responsible for HVAC, Plumbing and Fire Protection systems for Universities, Governmental, Elementary School facilities.

Project Engineer/Mechanical  
**WDA&E**

1998 to 1999  
**Columbus, OH**

Project Engineer & Team leader responsible for project coordination, Mechanical Design and Construction Documents preparations. Responsibility also included Code Compliance for sites adapt projects throughout the United States. Performed HVAC and Plumbing systems designs for several chain restaurants such as Pizza Hut, Max & Erma's, etc; Retail space renovations including Lerner, Lane Bryant, Limited Stores, in Strip Malls.

Mechanical/Project Engineer  
**M. Engineering, Inc.**

1994 to 1998  
**Columbus, OH**

Mechanical, Plumbing and Fire Protection systems design engineer responsible system engineering design for Industrial, Retail, Offices, Government buildings & School facilities.

Mechanical Engineer  
**SSOE**

1990 to 1994  
**Toledo, OH**

Projects involved with included Industrial, Pharmaceutical, Automotive & School facilities. Performed load calculations for HVAC systems; Mechanical equipment Sizing and layout; Steam system sizing & layout; And Stress analysis of Steam systems. Some Projects involved with are listed as follows:

## EDUCATION/LICENSURE

---

**M.S. Degree in Mechanical Engineering,**  
Cleveland State University

Cleveland, OH

**B.S. Degrees in Civil Engineering,**  
Indiana Institute of Technology

Fort Wayne, IN

**B.S. Degrees in Mechanical Engineering,**  
Indiana Institute of Technology

Fort Wayne, IN

**B.S. Degree in Mathematics,**  
University of Liberia

Liberia

**Professional Engineer (P.E.) register in:**

Ohio & Indiana

Certificate – Certified Energy Manager (CEM)

---