



Mark F. Platfoot, EIT
Fire Protection Consultant

Education

B.S., Nuclear Engineering, University of Tennessee – Knoxville, 2014

Registered Engineer-in-Training

State of Tennessee

Professional Experience

April 2015 to Present – Performance Design Technologies, Inc.
Engineer

In his time at Performance Design Technologies, Mr. Platfoot has used his background in general engineering applications to perform a variety of tasks, including power requirement calculations and data management. He has additionally provided some assistance in sprinkler system design and risk assessment.

Mr. Platfoot has assisted in the installation and testing oversight of a fire detection and alarm mass notification system at a large industrial site. He has also assisted in computational fluid dynamics (FDS) fire modeling.

May 2010 – August 2010 –Oak Ridge National Laboratory
Engineering Intern

During his internship, Mr. Platfoot updated Excel spreadsheets that evaluated radioactive material quantities which determined building security requirements. He ran initial evaluations of DOE atmospheric dispersion models, i.e. MACCS2, to determine impacts of a change in particle settling velocity on offsite receptor consequences.

May 2008 – August 2008 –Oak Ridge National Laboratory
Engineering Intern

Mr. Platfoot prepared a failure modes, effect, and criticality analysis (FMECA) report for a typical centrifugal contactor used in nuclear fuel processing. He produced the general sections prefacing all FMECA reports generated during this time period.

Areas of Specialties

Engineering Calculations
Report Writing