Date: December 2015

Subject: Fire Protection Engineer – Moon Township, PA (Pittsburgh)

**Michael Baker International**
Michael Baker International [http://www.mbakerintl.com](http://www.mbakerintl.com) is a leading global provider of engineering and consulting services which includes planning, architectural, environmental, construction, program management, and full life cycle support services as well as information technology and communications services and solutions. Baker provides its comprehensive range of services and solutions in support of U.S. federal, state, and municipal governments, foreign allied governments, and a wide range of commercial clients.

The fire protection engineering group is a portion of Michael Baker’s Architecture, Engineering and Planning (AEP) Practice. Baker’s Moon Township AEP group is full service, consisting of structural, mechanical, fire protection, electrical and telecom engineers along with architects, planners, landscape architects and interior designers. With the variety of employed professionals, the candidate will have the opportunity to work with all facets of vertical building engineering and design.

The fire protection engineering group is looking for a full time Fire Protection Engineer in the Moon Township, PA office.

**Job Description**
The fire protection engineer will be responsible for completing projects with minimal supervision. Projects include all aspects of fire protection engineering design from ‘cradle to grave.’ This includes responsibilities of proposal preparation, complete system design, site evaluations, and testing and commissioning of systems. Typical projects and types of systems include: fire sprinkler systems, fire pumps, high expansion foam, clean agent systems, fire alarm and mass notification systems. Typical buildings and facilities include: office buildings, storage and warehouses, aircraft hangars, and maintenance facilities.

1) **Requirements**
   a) BS or MS in Fire Protection Engineering  
   b) 5+ years professional experience  
   c) Registered Professional Engineer  
   d) Experience in fire protection system design including: fire sprinkler systems, fire pumps, clean agent systems, high expansion foam systems, fire alarm and mass notification systems  
   e) Experience in computer generated hydraulic design  
   f) Knowledge and experience of building and design codes, specifically IBC, NFPA 101, NFPA 13 and NFPA 72

2) **Preferred**
   a) AutoCAD and Revit
3) Duties
   a) Complete fire protection system designs and be the designer of record for sprinkler, fire pump, fire alarm and mass notification systems with minimal supervision
   b) Be responsible for project budgets and project work schedules
   c) Perform hydraulic calculations for sprinkler and fire pump design
   d) Analyze life safety requirements for buildings, including building code compliance, occupant load calculations and egress analysis
   e) Perform on-site system evaluations and assist with final system testing
   f) Summarize submittals and contractor Requests For Information for review
   g) Coordinate designs with other engineering disciplines

4) Salary
   a) Salary will be based on qualifications and experience

5) Supervisory Responsibilities
   a) This job has no supervisory responsibilities

6) Location
   a) The position is located in Moon Township, Pennsylvania (15 miles west of Pittsburgh)

7) Travel
   a) 10-20% travel based on project schedules

Please submit resumes to:
Kevin Spangler, PE
Fire Protection Engineering Manager
kbspangler@mbakerintl.com