

Date: September 2017

Subject: Fire Protection Entry Level Position – Moon Township, PA (Pittsburgh)

**Michael Baker International**

Michael Baker International (Baker International) 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 entry-level or mid-level engineer in the Moon Township, PA office.

**Job Description**

Under direct supervision, assists senior fire protection personnel with the planning, design and analysis of fire protection systems and perform life safety analysis for new and existing buildings. Types of systems include: fire sprinklers, fire pumps, high expansion foam, 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. 0-5 years professional experience
- c. EIT, or ability to obtain within 1 year
- d. Knowledge of fire protection systems including: fire sprinkler systems, fire pumps, clean agent systems, high expansion foam systems, fire alarm and mass notification systems
- e. Knowledge and/or experience of building and design codes, specifically IBC, NFPA 101, NFPA 13 and NFPA 72

**2) Preferred**

- a. Registered Professional Engineer
- b. AutoCAD and/or Revit
- c. HRS HASS calculation experience
- d. Experience in the design of fire protection systems

- 3) Duties
  - a. Complete fire protection system designs, including sprinkler, fire pump, fire alarm and mass notification systems
  - b. Perform hydraulic calculations for sprinkler and fire pump design
  - c. Analyze life safety requirements for buildings, including building code compliance, occupant load calculations and egress analysis
  - d. Perform on-site system evaluations and assist with final system testing
  - e. Summarize submittals and contractor Requests For Information for review
  - f. Coordinate designs with other engineering disciplines
- 4) Salary
  - a. Competitive 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. Periodic travel based on project schedules

Please submit resumes to Kevin Spangler at [kbspangler@mbakerintl.com](mailto:kbspangler@mbakerintl.com) or submit on the company's website at: <http://www.mbakertnl.com/Careers>.