



KING INDUSTRIES
JOB DESCRIPTION
Process Safety Management (PSM) Engineer

Location - Norwalk, CT

King Industries, Inc. is seeking a highly motivated **Process Safety Management (PSM) Engineer** to join our Engineering Department. This position is ideal for an experienced chemical or process safety professional with a strong background in OSHA Process Safety Management (PSM), risk assessment, and process hazard analysis within a specialty chemical manufacturing environment.

The successful candidate will hold a Bachelor's or master's degree in chemical engineering and have significant experience supporting process safety initiatives at a PSM-covered facility. This role offers the opportunity to contribute to the continued development and implementation of industry-leading process safety programs while working collaboratively with Engineering, Maintenance, Operations, and Environmental Health & Safety teams.

Skills Required:

- Ability to work effectively with cross-functional teams across all levels of the organization.
- Excellent verbal, written, and interpersonal communication skills.
- Strong analytical and problem-solving abilities.
- Detail-oriented mindset with the ability to identify process hazards and develop cost-effective risk mitigation strategies through inherently safer design principles.
- Working knowledge of ANSI/ISA 84 standards and the application of Safety Instrumented Systems (SIS), Safety Instrumented Functions (SIF), and Safety Integrity Level (SIL) methodologies.
- Extensive knowledge of OSHA 29 CFR 1910.119 Process Safety Management standards.
- Experience conducting and facilitating Process Hazard Analyses (PHAs), including HAZOP studies, Facility Siting Analyses, and Human Factors Analyses.

Education and Experience Requirements:

- Bachelor's or master's degree in chemical engineering from an accredited university.
- Minimum of 8–10 years of experience in process engineering or process safety engineering within a specialty chemical manufacturing environment, preferably at a PSM-covered facility.
- PHA Team Leader certification or formal facilitator training from a recognized PSM organization is preferred.

Duties and Responsibilities:

- Lead and facilitate Process Hazard Analyses (PHAs), including HAZOP studies, for assigned process areas.
- Perform ANSI/ISA 84 Safety Integrity Level (SIL) assessments and related risk analyses, as applicable.
- Support the timely closure of PHA recommendations and PSM audit findings in collaboration with Engineering Management.
- Initiate, implement, and manage Management of Change (MOC) activities and Engineering Change Notices (ECNs), with particular emphasis on actions generated through PHAs and Process Hazard Reviews (PHRs).
- Assist in prioritizing and closing open ECNs and PHA action items.
- Partner with the Maintenance Department to ensure safeguards identified during PHAs are appropriately maintained and tested through recognized Instrumented Testing and Preventive Maintenance (ITPM) practices.
- Develop and maintain Process Safety Information (PSI) documentation for process equipment and systems throughout the facility.
- Participate in the review and updating of operating procedures and instructions.
- Take part in incident investigations and root cause analyses.
- Provide expertise regarding Recognized and Generally Accepted Good Engineering Practices (RAGAGEP) and support their implementation within Process Safety Information (PSI) and
- Assist with the development and continuous improvement of engineering and maintenance procedures that support safe facility design and operation.
- Facilitate the biannual review and updating of engineering standards to ensure compliance with evolving RAGAGEPs and industry best practices.
- Support Engineering and Environmental Health & Safety teams with implementation and continuous improvement of all PSM elements, including:
 - Employee Participation
 - Training
 - Contractor Management
 - Pre-Startup Safety Reviews (PSSR)
 - Hot Work Permits
 - Emergency Planning and Response
 - Compliance Audits
 - Trade Secrets
- Train and serve as a member of the Facility Hazardous Materials Response Team, as required.

To apply for this position, please submit your cover letter and resume to careers@kingindustries.com.