PROCESS SAFETY MANAGEMENT (PSM) SERVICES

OVERVIEW

Protecting plant operations from unexpected releases of toxic, reactive, flammable, or explosive liquids and gases is critical to ensuring safe and healthy workplaces across the U.S. As mandated by the Occupational Safety and Health Act of 1970, the Occupational Safety and Health Administration's Process Safety Management (PSM) standard 29 CFR 1910.119 is designed to effectively integrate safe principles, procedures, and management practices to minimize the risk for catastrophic events in the workplace.

ENTRUST Solutions Group offers a team of PSM subject matter experts (SME) and consultants who are dedicated to the improvement of client plants and facilities, such as refineries, chemical manufacturing operations, and other mandated or non-mandated processes in operating safely, responsibly, and efficiently.

ENTRUST's PSM team has many years of experience, working in highly regulated industries and understanding the desired culture and environment to implement a successful, feasible, and effective PSM program.

ENTRUST PSM SMEs and consultants work side-by-side with client representatives as co-team members in the client's organization. This synergy ensures the necessary culture, attitude, and commitment of all who engage in the implementation and development of these essential PSM services.

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ENTRUST PSM SERVICES INCLUDE

Process Hazard Analysis (PHA)

- Utilize the appropriate methodology for the complexity, type, and kind of processes being studied is vital to ensure all potential risk scenarios are identified and evaluated
- Use of the proper documentation for a PHA study is imperative to resolving identified action items and high-risk scenarios

Process Safety Information (PSI)

- Provide information related to highly hazardous chemicals (HHC)
- Consider technology and equipment deployed in the process
- Enable operators to identify, understand, and control the hazards posed by the processes involving HHCs
- Provide continuous evaluation and updates

Training

- Provide training to operations, engineering, and maintenance staff on specific regulatory requirements and the necessary means to implement PSM effectively

Mechanical Integrity Program

- Develop a well-defined Mechanical Integrity Program - instrumental in an effective PSM Program - to ensure processes operate efficiently, reliably, and effectively
- Ensure that all equipment associated with HCCs are designed, constructed, installed, and maintained to minimize the risk of releases

Compliance Audits

- Verify that procedures, practices, and documentation required under PSM standards meet compliance obligations
- Provide recommendations on measures that can be taken to ensure best practices are in place to minimize potential for risk within processes and with specific HHCs

Operating Procedures

- Develop written operating procedures that provide clear instructions for tasks to be performed, data to be recorded, operating conditions to be maintained, samples to be collected, and safety and health precautions to be taken