



"Working Safe, Preventing Injuries, & Protecting Profits"

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Process Hazard Analysis Facilitation

A Process Hazard Analysis (PHA) is a systematic effort designed to identify and analyze hazards associated with processing or handling of highly hazardous material(s). It is a method to provide information which will help workers and employers in making decisions that will improve safety. A PHA is often conducted as part of a Process Safety Management program (PSM) for covered facilities that have highly hazardous chemicals.

When performing a Process Hazard Analysis, having the right team in place can make all the difference. PHA teams should include engineers, operators, maintenance, supervisors and any other staff members or workers who are well-acquainted with the operational process being reviewed. In many cases, a third-party consultant with expertise is brought in to facilitate the process.

When performing a Process Hazard Analysis there are several methods that can be utilized depending on the process being evaluated, and the resources in place to perform the PHA. Common methods include What If/Checklist, and Hazard and Operability Studies (HAZOP).

Prior to beginning the PHA, RJR Safety Inc. will review all available summary documentation of the facility's P&IDs, SOPs, Operations Manuals, and other relevant information to become familiar with the facility's equipment and processes.

Following completion of the on-site portion of the study, RJR Safety Inc. will prepare a draft report documenting the PHA study process and findings. The report includes text detailing the study process, a table with study findings and action items, and referenced attachments, including the study notes. Following receipt of comments on the draft report, the report is finalized. As a value-added service, RJR Safety Inc. can participate in periodic follow-up meetings to provide accountability checks for action items.

In addition to working directly in the chemical industry and participating on the Process Hazard Analysis team as a safety representative, Melissa Heike was Lead Facilitator as part of the team of appropriate facility personnel to conduct and document HAZOP Studies for a client's Utica Shale Oil and Gas Processes focusing on a portion of the gathering pipeline including the separator, fired heater, storage tanks and other associated equipment.

Contact RJR Safety Inc. to see how we can help you.

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