



IES Fact Sheet

Effective Process Hazard Analysis Execution – Having The Right PHA Team

Process Hazard Analysis Team Requirements

As defined in OSHA 29 CFR 1910.119(e)(1), a Process Hazard Analysis (PHA) shall be appropriate to the complexity of the process and shall identify, evaluate, and control the hazards involved in the process. In addition, as stated in 1910.119(e)(4), the PHA shall be performed by a team with expertise in engineering and process operations, and the team shall include at least one employee who has experience and knowledge specific to the process being evaluated. One member of the team must be knowledgeable in the specific process hazard analysis methodology being used.

Although several companies have non-covered processes (under the OSHA PSM Standard), they have adopted the use of PHAs as their method to comply with the General Duty Clause “each employer shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees”.

IES Services

IES provides an array of services directed to enhance the customer's understanding and effectiveness when performing PHAs at their facilities, including

- PHA Facilitation, which includes planning, leading, scribing and reporting
- PHA Participants Training
- PHA Leaders Training

IES PHA Facilitation is provided by our team of PSM/PHA experts. Since 1991, IES has facilitated more than 1,000 PHA's around the world. This service includes collection of all required Process Safety Information, leading and scribing of the PHA, and final reporting of the PHA study. Reports can be tailored to meet your company requirements. Our team has more than 80 combined years of experience in this field.

IES PHA Participants Training provides a one-day course intended to enhance the knowledge of potential PHA participants on the responsibilities, expectations, and deliverables of the PHA Team Members. This course will teach attendees to be effective contributors during PHA team sessions using methods such as the hazard and operability (HAZOP) study and/or WHAT-IF analysis. Participants will gain an understanding of the regulatory and technical requirements that govern the performance of PHA, as well as the proper identification of hazards and operability upset conditions. Guidelines for their participation in PHA sessions will be provided and explained. Attendees will practice participating in the performance of a PHA led by the PHA training course instructor.

IES PHA Leaders Training provides a two-day course intended to enhance the knowledge of PHA Leaders in understanding the requirements of PHA participants and responsibilities, expectations, and deliverables of the PHA Team Members. The course will provide participants with specific detailed guidelines for preparing for, facilitating and reporting PHA studies, including PHA Revalidations. Upon completion of this training, participants will receive a certificate of training to satisfy regulatory requirements and industry standards for PHA team leaders. Attendees will also receive detailed course handouts to assist in applying the skills learned in leading PHA studies.

Having the right people, with the right skillset and knowledge is paramount to ensure an effective and compliant PHA. Let **IES** help improve your employees' knowledge and capabilities when participating in or leading PHAs by attending one of these two training courses. IES will tailor the course to fit your company's requirements.

For More Information

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