

Process Hazard Analysis

Wagner-Meinert, LLC provides assistance in all popular forms of Process Hazard Analysis (HAZOP, Checklist, What-if, Failure Modes and Effects, and Fault Tree Analysis). We specialize in the What-if Checklist method (Preferred by the Ammonia Refrigeration Industry).

“The process hazard analysis is a thorough, orderly, systematic approach for identifying, evaluating, and controlling the hazards of processes involving highly hazardous chemicals.” OSHA Publication 3132



Conducting a Process Hazard Analysis

Our PHA's are performed by a team consisting of Wagner-Meinert, LLC and plant Personnel. The objective of the Process Hazards Analysis would be a systematic study of the ammonia refrigeration system to identify potential causes and consequences of accidental ammonia releases. The proceedings of the analysis along with a list of recommendations to improve the facility would be documented as part of the study.

Wagner-Meinert, LLC will provide an experienced team leader to assist in conducting the What-If/Checklist study of the system. Typically, our team leader assumes responsibility for the following activities when conducting a Process Hazards Analysis Study.

- 1) Preparation: Prior to conducting the study, Wagner-Meinert, LLC will review process drawings, decide upon the logical approach for the study, and develop the time and project work schedule. The preparation process will require approximately two (2) weeks after the finalization of the complete drawing sets, equipment information, and valve list.
- 2) Lead the study: The team leader will guide and manage the team through the study. Wagner-Meinert's team leader is knowledgeable in a number of factors which will ensure that the study is of the highest quality.
- 3) Document the study: Documentation of the study sessions will be done using a portable PC with a projector.

Included in our Process Hazard Analysis is a Site Security Review. The Site Security Review would be performed during the Process Hazard Analysis and included with the Process Hazard Analysis report.

