

The Use of Process Safety Management to Establish Safety Basis for Non-Nuclear Explosives Facilities at the Pantex Plant

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Objective:

This presentation will discuss the rationale in using PSM to establish safety basis documents, justification to DOE, development and maintenance of safety basis documents.

Relationship:

This process will discuss the development and maintenance of safety basis documents for non-nuclear explosives facilities.

Description of Work:

The Mason and Hanger Corporation (MHC) in cooperation and agreement with the Department of Energy have developed safety basis documents for non-nuclear explosives facilities at the Pantex Plant. MHC utilized the information available through its Process Safety Management (PSM) system in developing these safety basis documents.

Results of the Work:

MHC received DOE approval to use the PSM program to establish the safety basis for non-nuclear explosives facilities. DOE also agreed that these documents are to be approved and maintained by MHC with copies provided to the DOE.

Benefits to others:

With no definitive safety basis guidance for non-nuclear facilities, this process may be useful in establishing a safety basis for any non-nuclear hazardous facility.