

Safety Analyses Performed for Non-Nuclear Facilities at the Pantex Plant

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The Mason and Hanger Corporation (MHC) has successfully embraced Process Safety Management (PSM) as the safety management system for non-nuclear hazardous facilities at the Pantex Plant. A major part of this program is the performance of Process Hazard Analyses (PHAs) per the requirements of 29 CFR 1910.119 and the Department of Energy Explosives Safety Manual. These analyses rely heavily on employee involvement, per the requirements in the CFR.

The MHC has completed PHAs on all of the moderate hazard non-nuclear explosive facilities and is currently in the process of performing PHAs on all of the low hazard explosive facilities. In addition, a PHA has been completed for the startup of the new Hazardous Waste Treatment Processing Facility (HWTPF) as a best management practice.

The presentation will address the PHAs that have been completed, the types of analysis techniques that have been used, the results of those analyses, and the future plans for the analysis program.