

Abstract for the Third International HRO Workshop January 9-10, 2010

Title:

“High Reliability Theory to High Reliability Practice”

Objectives

This overview presentation will discuss the implementation of the HRO attributes to ensure Nuclear Explosive Safety at the National Nuclear Security Administration's (NNSA's) Pantex Plant. The application of these attributes is primarily designed to prevent the detonation of the high explosives in the Nuclear Explosive.

Methods

This presentation will include a discussion the implementation of HRO principals used to ensure Nuclear Explosive Safety. Some of the topics that will be discussed include the following:

- Readiness Verifications
- Human Reliability Program
- Two Person Concept
- Procedures and Reader/ Worker/Checker
- Oversight
- Change Control programs
- Preoccupation with failure
- Tracking and Trending

Results

A practical application of HRO theory to practice.

Conclusion

The application of HRO principals is intended to ensure high consequence events do not occur.

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