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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