

NSTec – National Nuclear Security Site (NNSS) Support to Nuclear Criticality Safety Program

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for

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Nevada National Security Site

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Mission

- NNSS IE1 - Provide personnel and equipment to support NCSP performance of critical, subcritical, and fundamental physics measurements, and maintain a fundamental nuclear materials handling capability which enables hands-on nuclear criticality safety training programs and various other programs for the Department of Energy NCSP and other government agencies.
 - Radiological Control Technicians (RCTs)
 - Facility Operations Specialists (Operations Technicians)
 - Facility Coordinator (Operations Controller)
 - Emergency Management support
 - Material Control and Accountability (MC&A) support
- NNSS IE1 - Provide support to approximately 20-30 Integral Experiments each fiscal year.



Mission

- NNSS IE2 - Support the design and installation of a small sample rabbit transfer system (IER-266).
- NNSS IE3 - Support C_EdT and IER process review; make recommendations for improvement. (Complete)
- NNSS IE4 - Support NCSP experiment titled Romeo (IER-225). (Stop Work issued 3/5/14)
 - FY14 efforts included in the following activities:
 - Safety Basis Strategy
 - Vulnerability Assessment



Major Accomplishments

- Provided facility and support to Idaho National Laboratory (INL) Zero Power Plutonium Reactor (ZPPR) efforts at Warehouse 06-150.
 - Lease & Utilities
 - Facility Cleanup
- Provided facility and support to Lawrence Livermore National Laboratory (LLNL) Nuclear Accident Dosimetry (NAD) Laboratory efforts at Warehouse 23-703.
 - Lease & Utilities
- Supported 14 Integral Experiment Requests (IERs) and 25 separate activities to date.
 - 7 NCSP IERs
 - 7 Non-NCSP IERs



Non-NCSP IER Support

- Los Alamos National Laboratory – ICO 214971
 - NA-42
 - DTRA
 - NCNS
- Los Alamos National Laboratory – ICO 273526
 - Repackaging and Transportation
- Lawrence Livermore National Laboratory – MPO B603579
 - FBI



Issues

- Safety Basis Revisions
- Status of Rabbit Design & Equipment Delivery
- Drainage Problems at Warehouse 06-150
- Romeo Experiment - Unofficial Stop Work – Confirmation?



Safety Basis Revisions – Status Update

(Note: Other Program/Project work may impact schedule)

- Change Notice 1+2
 - Submitted COA package to NNSA/NFO on March 11, 2014
 - Implementation scheduled to be completed by April 8, 2014
- Change Notice 4
 - Submitted Process Hazards Analysis to NNSA/NFO
 - 100% document expected to be completed on April 17, 2014
 - SER scheduled to be issued on June 4, 2014
 - Implementation scheduled to be completed by August 11, 2014
- Rabbit Modification
 - Meeting held week of March 17 to assign Nuclear Safety Analysts; developing BCR



Questions?



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