

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

June 28, 2013

MEMO To: Steven Stokes, Acting Technical Director
FROM: Thomas Spatz, Pantex Site Representative
SUBJECT: Pantex Plant Report for Week Ending June 28, 2013

ASME NUM-1 Hoist Planned Maintenance Discovery: Babcock & Wilcox Pantex (B&W) discovered a slight oil drip coming from two ASME NUM-1 nuclear qualified hoists during planned maintenance. The leaks were small and are originating from the oil plugs. B&W maintenance personnel discovered that both the oil plug and the plug hole have straight threads, and the plug could be screwed into the hole until it fell into the housing. This week, B&W maintenance personnel are replacing the existing plugs with tapered thread plugs during planned maintenance activities in several nuclear facilities. The Production Technicians performing nuclear explosive operations are trained to stop operations if oil is found on the floor.

Control Owner Implementation of Functional Requirements: This week, B&W sent a memorandum to NNSA Production Office (NPO) describing their corrective actions to clarify the expectations for the control owner regarding full implementation of functional requirements. These corrective actions are related to a Technical Safety Requirement (TSR) violation which occurred on January 3, 2013. (See report for 1/4/13 and 1/11/13.) The TSR violation was due to the failure to flow down revisions in the authorization basis for electrostatic discharge (ESD) requirements of a specific combination of tooling to the procedures in use. B&W's corrective action includes revising the work instruction, *Authorization Basis Control Owner Roles, Responsibilities and Requirements for Administrative and Structures, Systems, or Component Controls*, and the desk-aid, *Instructions for Verifying Proper Implementation of Technical Safety Requirements (TSR) Controls*. B&W will also revise the qualification cards for TSR control owners, and the training plan for the above mentioned work instruction.

Electro-Static Dissipative (ESD) Flooring: B&W has been repairing and installing ESD flooring in nuclear explosive operating facilities as funding is available. (See report for 6/14/13.) Recently, a B&W subcontractor removed the top layer of the floor and re-poured a new top coat for two nuclear facilities without affecting the grounding lug. This week, one of the resurfaced floors failed the acceptance test. The subcontractor is repairing the localized spots that failed the test and will be retesting the ESD flooring.