

## DEFENSE NUCLEAR FACILITIES SAFETY BOARD

January 7, 2005

**TO:** J. Kent Fortenberry, Technical Director  
**FROM:** R. Todd Davis/Donald Owen, Oak Ridge Site Representatives  
**SUBJECT:** Activity Report for Week Ending January 7, 2005

A. Y-12 Modernization. As a part of the Y-12 modernization effort, BWXT has been pursuing numerous site initiatives. There are two primary drivers for this effort: 1) consolidation of the enriched uranium storage mission to the Highly Enriched Uranium Materials Facility (HEUMF) and consolidation of enriched uranium manufacturing operations to the Uranium Processing Facility (previously referred to as the Enriched Uranium Manufacturing Facility); and 2) implementing new security guidance provided by NNSA. Once consolidation is achieved, the security footprint and associated security costs will be significantly reduced at Y-12

In December, YSO requested BWXT to develop an integrated Project Execution Plan (PEP) that includes all tasks, projects and associated activities that are required to implement consolidation. The following activities will be included in this PEP: material consolidation and storage; relocation of Quality Evaluation; accelerated dismantlement; and special material capability initiatives. This week, BWXT presented their high-level plan for integration and implementation of these activities. BWXT noted that a significant increase in dismantlements and other associated activities will be required over the next few years to achieve consolidation at HEUMF. The integrated PEP is scheduled to be provided to YSO by the end of January.

B. Quality Evaluation Relocation. As reported on December 3<sup>rd</sup>, BWXT had started planning a major project to relocate the Quality Evaluation (QE) activities from the Quality Evaluation building to the Assembly/Disassembly building. Part of the project involves removal of unused processing equipment in the Assembly/Disassembly building to provide space for QE gloveboxes and other equipment. Work planning for the equipment removal activity, including facility Operational Safety Board review of the work planning, was completed in late December. The removal activity was begun and is nearing completion, now expected by next week. Preparations to relocate the first glovebox (the linear glovebox) will begin in March. BWXT plans to startup this glovebox in the Assembly/Disassembly building in early 2006.

C. Worker Injury. This week, a BWXT worker at the Assembly/Disassembly building slipped on oil associated with a lathe and was injured (damaged his eardrum). The worker was treated at a local hospital and has returned to work. It appears that the oil catch pans for this lathe have been removed (likely for criticality concerns). A small pan is being used to catch some of the oil; however, there are slits in the pan and oil ends up on the floor. This issue was noted last September; however, only informal periodic cleaning was performed to control the hazard. While investigation continues on why this condition persisted, facility management has implemented an administrative control to ensure oil is not on the floor (i.e., using a checklist). Facility management is also ensuring that an appropriately prioritized work request is in place to implement an engineering control for this issue.