

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

November 26, 2008

TO: Timothy Dwyer, Technical Director
FROM: Donald Owen and David Kupferer, Oak Ridge Site Representatives
SUBJECT: Activity Report for Week Ending November 28, 2008

Mr. Kupferer was out of the office this week. Mr. Owen will be out of the office on Thursday and Friday.

ORNL Building 3019/Uranium-233 Disposition. This month, Isotek briefed DOE-ORO on a cost and schedule re-baselining proposal for the U-233 Downblending and Disposition Project (see the 10/10/08 site rep. report). The proposed revised baseline includes a new building adjacent to Building 3019 for processing of down-blended solution to oxide and for oxide packaging. Key milestones under the proposed baseline include: formal submittal of the Preliminary Documented Safety Analysis to DOE-ORO in November 2009; DOE approval of the final design package in April 2010; and, start of downblending operations in September 2012. DOE-ORO and Isotek are factoring the results of the rebaselining effort into project plans and contracts.

Uranium Processing Facility (UPF). Following prior site rep. inquiry (see the 11/14/08 site rep. report), YSO management has provided formal direction to the UPF project to incorporate use of UPF fire water supply tanks as a future water supply for the Highly Enriched Uranium Materials Facility (HEUMF) safety-significant fire suppression system. This YSO direction to the UPF project involves increasing the UPF fire water tank capacity and use of an interconnected tank standpipe for future supply of HEUMF fire water.

Integrated Facilities Disposition Program (IFDP). In June, YSO and DOE-ORO submitted their IFDP package for Critical Decision-1, Alternative Selection and Cost Range, to DOE Headquarters (see the 7/18/08 site rep. report). The scope of the IFDP includes decontamination and decommissioning of more than 400 excess facilities at Y-12 and ORNL. Last week, DOE Headquarters approved Critical Decision-1. DOE-ORO management noted to the site rep. that work has commenced on the Critical Decision-2 package for the first phase (the IFDP is to be executed in nominally 5-year phases) with submittal projected in late 2009. DOE-ORO management noted that approval of the Critical Decision-2 submittal would permit work on the first phase of the IFDP to commence.