

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

July 23, 2010

TO: Timothy Dwyer, Technical Director

FROM: Wayne Andrews, David Kupferer and Donald Owen, Site Representatives

SUBJECT: Oak Ridge Activity Report for Week Ending July 23, 2010

Uranium Processing Facility (UPF). In response to recommendations from the Independent Project Review that NNSA performed in April (see the 6/11/10 site rep. report), the UPF project team has developed and is executing a Corrective Action Plan (CAP). A key action in the CAP is to revise the Preliminary Documented Safety Analysis (PDSA) that was developed to support the first Critical Decision-2/3 (CD-2/3) package (site preparation and some long-lead procurement) and re-submit the document as a Preliminary Safety Design Report, which was submitted to YSO three weeks ago. YSO and B&W have been developing a ‘road map’ document that will illustrate how and when the planned design and safety basis deliverables for the UPF project will satisfy the intent of DOE Standard 1189, *Integration of Safety into the Design Process*. YSO and B&W expect to issue this document next week.

Transuranic Waste Processing Center (TWPC) – Drum Venting Contractor Operational Readiness Review (ORR). DOE-ORO and Wastren Advantage have been completing safety basis changes and other preparations for the planned drum venting campaign (see the 4/2/10 site rep. report). This week, Wastren Advantage started and completed its ORR for this campaign. Actions to address ORR findings are in progress. DOE-ORO anticipates starting the DOE ORR during the week of August 2nd.

B53 Dismantlement. The B&W Readiness Assessment (RA) for the B53 dismantlement effort was initially scheduled for this week but has been delayed until at least next week (see the 7/16/10 site rep. report). B&W anticipates dry runs being executed early next week with the RA beginning soon thereafter. The site reps. intend to observe the dry runs.

ORNL Solid Waste Storage Area (SWSA) – 5. This week, Bechtel Jacobs Company (BJC) conducted a RA to evaluate readiness of the Waste Disposition Project to proceed with retrieval of contact-handled and remote-handled transuranic waste containers from SWSA–5 storage areas. The contractor has executed such retrievals historically at SWSA–5. There were no findings. There was one observation regarding the work package not having sufficient clarity to assure that retrieval activities are performed in a manner to minimize potential risks as low as possible. BJC expects the RA report to be completed by July 30th.

Y-12 Contractor Assurance System (CAS). This week, B&W performed a corporate validation of the CAS for Y-12. B&W performed a similar validation of the CAS at Pantex in May. The CAS review team plans to issue its report next month.