

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

July 6, 2007

MEMORANDUM FOR: J. K. Fortenberry, Technical Director
FROM: M. J. Merritt, DNFSB Site Representative
SUBJECT: Lawrence Livermore National Laboratory (LLNL)
 Report for Week Ending July 6, 2007

LLNL Nuclear Facilities Safety Bases Status: All LLNL nuclear facilities and activities have an approved documented safety analysis (DSA) that is compliant with 10 CFR Part 830, *Nuclear Safety Management*. All but one of the LLNL nuclear facilities have implemented the DSAs. The Plutonium Facility DSA is scheduled to be fully implemented by November 15, 2007. The timeliness of annual updates to the DSAs has been lagging – primarily due to the time it has taken for LLNL and the Livermore Site Office (LSO) to resolve comments. The table below shows the current status of the DSAs.

Facility	Initial DSA Submitted (LLNL)	DSA Approved (LSO)	DSA Implemented	Latest Annual Update Submitted or Due (update number)
Radiography Facility	2/27/03	7/9/03	10/10/03	10/16/06* (1st)
Tritium Facility	3/10/03	9/5/03	11/11/03	11/10/06* (1st)
Plutonium Facility	12/19/05	4/7/06	11/15/07 (projected)	4/7/08 (1st)
Hardened Engineering Test Building	4/9/03	10/6/03	1/16/04	2/1/07* (1st)
B695 & 696S	4/9/03	4/17/03	9/24/03	12/21/05* (2nd)
B696R**	6/26/02	6/28/02	8/2/02	1/24/04 (1st)
Waste Storage Facilities (WSF) (B696R, B693 & Area 612)	6/4/04	7/16/04	10/25/04	11/21/07 (2nd)
Transportation	10/31/03	4/1/04	9/28/04	6/29/07 (2nd)

* - Pending LSO SER

** - Since 10/25/04 B696R has been included in the WSF DSA

Hardened Engineering Test Building Activity: A radiation measurement activity was conducted in the Hardened Engineering Test Building this week. The activity consisted of removing a highly enriched uranium component from a shipping container, handling the encapsulated uranium, and taking passive radiation measurements. The work permit was lacking in properly identifying hazards and controls. Additionally, the implementation of criticality safety requirements was weak.