

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

September 9, 2005

MEMORANDUM FOR: J. K. Fortenberry, Technical Director
FROM: Michael J. Merritt, DNFSB Site Representative
SUBJECT: Lawrence Livermore National Laboratory
 Report for Week Ending September 9, 2005

Configuration Management: On September 1, 2005, LLNL submitted a resource loaded schedule to the Livermore Site Office (LSO) that addresses configuration management (CM) upgrades. Development of the schedule was a commitment LLNL made in response to the Board’s letter on the matter dated November 3, 2004. The Board identified an apparent lack of an adequate CM program for the highest-hazard nuclear facilities at LLNL. The LLNL Nuclear Materials Technology Program (NMTP) developed the schedule for all NMTP nuclear facilities using the information obtained from detailed reviews conducted earlier this year. In its submittal, LLNL indicates that once the NMTP CM program is fully implemented, processes and procedures will be in place to effectively manage CM of procedures, drawings, and equipment. In the interim, NMTP has alternative methods (e.g. temporary management systems) in place to maintain the CM program until full implementation is achieved. Key milestones in the schedule are shown below:

Schedule Milestone	Facility	Date(s)
Prepare CM Plan	All NMTP Facilities	10/3/05 - 2/3/06
Revised Facility Documents in CM System	Plutonium Facility	10/3/05 - 9/7/07
	Tritium Facility	9/10/07 - 3/27/09
	Hardened Engineering Test Building	3/30/09 - 3/16/10
	Radiography Facility	3/17/10 - 2/16/11
Vital Safety System Red-line Drawings in CM System	Plutonium Facility	6/28/05 (complete)
	Tritium Facility	5/30/06
	Hardened Engineering Test Building	5/22/06
	Radiography Facility	10/10/06
Drawing Updates (The CM schedule does not reflect the potential impact of applying the unreviewed safety question process to all engineering drawings).	Plutonium Facility	10/2/06 - 5/21/12 (worst case)
	Tritium Facility	10/1/08 - 5/15/09
	Hardened Engineering Test Building	10/1/09 - 8/31/11
	Radiography Facility	10/1/10 - 1/18/12

Plutonium Facility Resumption Status: The LLNL readiness assessment team completed its report late this week. As expected, the report identifies pre-start findings in the areas of conduct of operations implementation, expired procedures, and the work control process as it relates to work station resumption. The LSO RA team report is expected to be completed next week. Limited operations are expected to resume in mid-October.