

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

July 17, 2009

MEMORANDUM FOR: Timothy Dwyer, Technical Director
FROM: Jonathan Plaue, DNFSB Site Representative
SUBJECT: LLNL Activity Report for Week Ending July 17, 2009

Staff member R. Rauch was at the laboratory on Monday and Tuesday to attend the Nuclear Security Enterprise Electromagnetic Committee.

Configuration Management: Department of Energy Standard 1073-2003, *Configuration Management Program* (DOE-STD-1073) was included in the laboratory contract that began on October 1, 2007. In February 2009, the Livermore Site Office (LSO) approved the laboratory's implementation plan for the standard, which contractually committed the laboratory to achieve implementation by August 2010. A significant step toward implementation is the revision of the institutional Environmental Safety and Health (ES&H) Manual to reflect the new standard. LSO incentivized completion of this step for June 30, 2009; however, the laboratory missed this date and now expects completion in the August timeframe. The delay will hinder the update to the Nuclear Materials Technology Program (NMTP) Configuration Management Program description document, which was previously targeted for the end of August. Completion of this update represents a natural opportunity for the laboratory to perform a self-assessment of the configuration management program in the nuclear facilities and adjust plans and schedule accordingly. The recently completed Laboratory Evaluation Board identified that these self-assessments were not being performed as mandated by the ES&H Manual. NMTP currently maintains a separate schedule for their configuration management project that indicates completion in September 2011. The remaining tasks in this schedule have not been clearly delineated to indicate which are required for implementation of DOE-STD-1073. The NMTP schedule would also benefit from incorporating information on the activities planned to continue following inventory reduction (i.e., enduring gloveboxes), given that generation of electronic drawings currently represents the schedule limiting task.

Work Control: In June 2009, the laboratory began using a revised institutional work control process, which is intended to meet the National Nuclear Security Administration document entitled, *Activity Level Work Planning and Control Processes, Attributes, Best Practices and Guidance for Effective Incorporation of Integrated Safety Management and Quality Assurance*. One of the key improvements associated with this process is the requirement to analyze hazards and develop controls at the task-level. The NMTP facilities utilize a separate process, which was judged to meet the same intent. However, certain types of programmatic work are accomplished within NMTP using Operational Safety Plans. These documents do not currently conform to the new task-based approach. NMTP management is in the process of revising the format and determining an implementation strategy and schedule. Recognizing these changes for work control, LSO is expected to have revised oversight guidance and associated training completed later this fall.