

## DEFENSE NUCLEAR FACILITIES SAFETY BOARD

June 12, 2009

**MEMORANDUM FOR:** Timothy Dwyer, Technical Director  
**FROM:** Jonathan Plaue, DNFSB Site Representative  
**SUBJECT:** Lawrence Livermore National Laboratory (LLNL)  
Activity Report for Week Ending June 12, 2009

The Site Rep commenced duties on Monday, June 8, 2009. Livermore Site Office (LSO) and laboratory contractor staff have been helpful in re-establishing this office.

**Integrated Safety Management (ISM):** LSO recently completed its ISM Phase I verification effort. The purpose of the Phase I effort is to verify that the laboratory's ISM System Description and associated institutional procedures meet the requirements of the Department of Energy (DOE) Acquisition Regulations and DOE Policy 450.4, *Safety Management System Policy*. Completion of Phase I verification and approval of the ISM System Description are also key steps necessary for the contractor to declare readiness for Phase II—a milestone that LSO has incentivized for completion this fiscal year. Overall, the team commissioned by the LSO Manager determined that the Phase I objectives were met. The team noted excellent preparation and a strong commitment to ISM from laboratory contractor management; however, three weaknesses were identified involving: (1) integration of the Title 10 Code of Federal Regulation, Part 851 mandated Worker Safety and Health Program into the ISM System Description, (2) specificity with respect to the minimum requirements in the *Institution-Wide Work Control Process Guide*, and (3) the need to clarify the definition of internal independent assessments. LSO has directed correction of the first two weaknesses prior to approval of the ISM System Description and the third weakness prior to declaration of Phase II readiness. The Phase I team also identified a number of opportunities for improvement, including a recommendation to establish a permanent Functional Area Manager for Work Control, as well as a suggestion to improve safety culture. Given the recent incidents where weaknesses in work control and safety culture were identified as contributing factors, full consideration appears prudent. Phase II verification, which examines flow-down and implementation of institutional procedures into work activities, is scheduled for next fiscal year. LSO policies and procedures will also be evaluated as part of Phase II.