

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

June 2, 2017

TO: Steven A. Stokes, Technical Director
FROM: Douglas J. Brown, Cognizant Engineer
SUBJECT: Sandia National Laboratories Report for May 2017

Staff Activity at Sandia National Laboratories (SNL). On May 9, 2017, the Board's SNL Cognizant Engineer conducted an observation of work at the Auxiliary Hot Cell Facility (AHCF) in support of Campaign 18 waste processing. On May 10, 2017, the Board's SNL Cognizant Engineer attended the W78 Repair Nuclear Explosive Safety Study (NESS) Weapons Training and Orientation Kickoff. On May 23-25, 2017, the Board's SNL Cognizant Engineer conducted a quarterly cognizant engineer site visit.

SNL Contract Transition Update. As originally noted in the December 2016 and January 2017 monthly reports, the SNL Management and Operating Contractor has officially transitioned from Lockheed Martin to National Technology and Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International, on May 1, 2017, as scheduled.

Annular Core Research Reactor (ACRR) Reactivity Control System Upgrade (RCSU) Occurrence Report. On May 9, 2017, signals testing on two RCSU server cabinets was being conducted. A worker not associated with the testing noted that the power supplies contained exposed 120-volt terminals. Although no one contacted the source while it was exposed, previous workers did not consider the exposed nature of the source, or the 42" limited approach boundary requirement. The worker notified management, power was verified to be off for the cabinet, the area was secured, and testing was suspended pending further review. The Sandia electrical safety subject matter expert inspected the area and a fact-finding meeting was held. A significance category 3 occurrence report was issued on May 10, 2017.

Radiation Sciences Organization Work Pause. On Thursday, May 11, 2017, the SNL contractor self-imposed a work pause in SNL's Radiation Sciences Organization (TA-IV and TA-V). The action was based on multiple events involving Conduct of Operations execution that occurred on Tuesday and Wednesday. The pause did not specify a defined duration. Managers were required to hold targeted discussions with staff, gather inputs, and bring inputs to the all-manager meeting scheduled for Monday, May 15, 2017, where the pause and any necessary corrective actions would be discussed. ACRR resumed programmatic operations on May 15, 2017, and AHCF is expected to resume Campaign 18 after procedural revisions are completed.

Sandia Pulsed Reactor Facility (SPRF) Umbilical Rerouting Update. As originally noted in the March 2017 monthly report, SPRF is rerouting the umbilical cord in an effort to eliminate open cable runs across the walkways. This work has been delayed while evaluating asbestos concerns.

TA-V Facility Management Model. The new SNL contractor established a prototype facility management plan with a dedicated level 1 facility manager for TA-V. This is intended to enhance the real and programmatic property interface and operational interaction.