

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

March 4, 2016

TO: Steven A. Stokes, Technical Director
FROM: Austin R. Powers, Cognizant Engineer
SUBJECT: Nevada National Security Site (NNSS) Report for February 2016

DNFSB Staff Activity: No on-site activity at NNSS during the month of February.

Device Assembly Facility (DAF) Fire Suppression System (FSS) Improvement Project:

During the month of February, National Security Technologies, LLC (NSTec) personnel working the FSS Lead-in Replacement Project replaced three significantly corroded lead-in lines into the south-side of DAF. The new lead-in lines have a polyethylene sheath around the pipe to protect the exterior of the pipe from contact with the soil to prevent external corrosion. In addition to the polyethylene sheath, the exterior of pipes will also be protected by entombing the pipes in Controlled Low-Strength Material (CLSM) concrete. NSTec plans to perform pressure testing on the new lead-in lines to ensure that the lead-in lines were properly installed. Also, while the buildings are out of service for lead-in line replacement, NSTec is planning to have the previously known sprinkler deficiencies addressed prior to the FSS being returned to service. The new lead-in lines are scheduled to return to service in March 2016.

Joint Actinide Shock Physics Experiment Research (JASPER): JASPER conducted Actinide Shot 138 successfully, which returned 100% data. The experiment was executed in a safe manner with no safety issues to report. The next scheduled Actinide Shot is on hold pending the resolution of issues with the certification for the 9977 and 9978 shipping containers.