DEFENSE NUCLEAR FACILITIES SAFETY BOARD

February 2, 2018

TO: Steven A. Stokes, Technical Director
FROM: Austin R. Powers, Cognizant Engineer
SUBJECT: Nevada National Security Site (NNSS) Report for January 2018

DNFSB Staff Activity: The Board's staff did not conduct any on-site activities at NNSS during the month of January.

Device Assembly Facility (DAF) Fire Suppression System (FSS) Improvement Project: Mission Support and Test Services, LLC (MSTS), has continued to make improvements to the FSS in DAF. MSTS declared the 16th of these buildings (out of 25) operable during January. For this building, MSTS removed the temporary modification that was installed on the riser. The riser is now relying on the new lead-in line that was installed from the outside firewater loop. In addition to resolving the lead-in line issue, MSTS also addressed the FSS deficiencies on the first floor of this building during January. For the 20th of these buildings, MSTS completed the removal of the faulty lead-in line isolation valve on the outside fire water loop, which allowed the lead-in line to be abandoned in place. MSTS declared the building operable during January. As mentioned in the NNSS Monthly Report for December 2017, the 21st of these buildings also had an issue with the riser being lifted. Because MSTS installed a modification to the standpipe that reattached the all-thread rods to the pipe, MSTS was able to declare the building operable without removing the faulty lead-in line isolation valve. MSTS plans to remove the isolation valve during the spring of 2018.

Lastly, MSTS has begun construction activities for the 22nd of these buildings. In particular, MSTS has begun making penetrations to the buildings for the new piping that will tie the riser to the inside firewater loop. During the month of February, MSTS plans to install the piping, remove the strainer from the riser, isolate the riser from the lead-in line, and tie the riser to the inside firewater loop. MSTS anticipates that the building will be declared operable during the month of February.

DAF Linear Accelerator (LINAC): As mentioned in the NNSS Monthly Report for June 2017, the former management and operations contractor (National Security Technologies, LLC) was planning to install a saddle for the cables leading up to the LINAC to reduce the strain on the cables and table leg inserts for the new LINAC (needed for computerized tomography operations). MSTS is working with the vendor of the LINAC on addressing these two items. MSTS plans to cut the cables that were installed instead of installing the saddle. Reducing the length of the cables will reduce the strain on the cables and eliminate the tripping hazard in the room. MSTS has procured all of the necessary materials and is working with the vendor to develop a plan for installing the table leg inserts. The table leg inserts will minimize the movement of the table while it is raised during operations and will be removable.