

## DEFENSE NUCLEAR FACILITIES SAFETY BOARD

December 13, 2019

**TO:** Christopher J. Roscetti, Technical Director  
**FROM:** B. Caleca and P. Fox, Hanford Resident Inspectors  
**SUBJECT:** Hanford Activity Report for the Week Ending December 13, 2019

**Hanford Site:** Last week, DOE awarded the new Hanford Mission Essential Services Contract (HMESC) to Hanford Mission Integration Solutions, LLC (see 12/6/2019 report). This week, they awarded the new Central Plateau Cleanup Contract (CPCC) to Central Plateau Cleanup Company LLC (CPC). The company is owned by a team comprised of AECOM Management Services, Inc., Fluor Federal Services, Inc., and Atkins Nuclear Secured, LLC. Work under the CPCC will be similar in scope to work now being performed under the Plateau Remediation Contract by CH2M Hill Plateau Remediation Company, which is a subsidiary of Jacobs Engineering Group Inc. The new contract is one of the four large prime contracts that enable cleanup work on Hanford site. Under the contract, CPC will continue environmental cleanup and remediation of the Hanford central plateau and river corridor areas.

**Tank Farms:** Contractor management convened a Corrective Action Review Board (CARB) to review a causal analysis performed to address a loss of control of contaminated material during an October wind event. The Tank Farm Operations contractor has had three contamination spreads in the last eighteen months resulting from high or unexpected wind conditions. The CARB rejected the causal analysis report at its initial meeting but accepted a revised report, with comment, at a subsequent meeting. The investigation that supported the causal analysis did not identify a specific source location or work activity for the material. Consequently, the corrective actions identified by the causal analysis and approved by the CARB focus on communication, extent of condition, and evaluation of procedures. The Resident Inspector notes that the causal analysis did not identify any specific procedural shortcomings, nor do the identified actions provide criteria for the procedural evaluations. As a result, the actions may not result in procedural changes that efficiently and effectively address the causes of the event.

**Central Plateau Risk Mitigation (CPRM):** The contractor conducted a full-up drill for Facility Emergency Response Organization proficiency. The scenario simulated a fire in the REDOX facility resulting in the potential contamination of two individuals. The exercise revealed that, although the CPRM organization has modified their response approach, they have not fully addressed the issues that prevent timely response to events at their dispersed facilities (see 03/29/2019 report). Overall conduct of the drill was satisfactory and the drill team effectively identified issues and areas for improvement.

**Building 324:** The contractor continued their independent review of radiological control performance and programs, as well as their causal analysis that is intended to identify and correct the causes of recent skin and modesty clothing contamination events (see 12/6/2019 report). The independent review team conducted interviews with project personnel to gain an understanding of the project culture, radiological work planning, and radiological control work practices. The causal analysis team is robustly staffed with both internal and external subject matter experts, and includes appropriate membership from the project's radiological control organization, operations staff, and project management. It is focused on a barrier analysis.