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DOE-ID Operations Summary
For the Period February 1, 2015 – February 28, 2015

EDITOR'S NOTE: *The following is a summary of contractor operations at the Idaho National Laboratory Site, managed by the DOE- Idaho Operations Office. It has been compiled in response to a request from stakeholders for more information on health, safety and environmental incidents at DOE facilities in Idaho. It also includes a brief summary of accomplishments at the Site. POC: Danielle Miller, (208) 526-5709.*

Advanced Mixed Waste Treatment Project (AMWTP)

February 3: The carbon dioxide (CO2) fire suppression system on a floor mounted Brokk waste manipulator did not function properly during post maintenance testing. All waste box line processing with the Brokk manipulators was stopped pending further testing and evaluation. Following further testing and examination of the CO2 fire suppression push button/switch it was determined that the system was not functioning properly due to a faulty push button/switch. The component was replaced and subsequent testing was successful. [EM-ID--ITG-AMWTF-2015-0001]

February 19: A rollup door inadvertently dropped to the floor while being opened at the Advanced Mixed Waste Treatment Project. There were no personnel near or under the door when it dropped. Upon evaluation, it appears the door actuation chain failed causing the door to fall to the floor. The door remains out of service until a more detailed inspection can be made. [EM-ID--ITG-AMWTF-2015-0002]

Notable Accomplishments:

Representatives from the Office of Environmental Management's Washington, D.C. office toured AMWTP to become familiar with the capabilities of the project while exploring future missions beyond the 2018 Settlement Agreement milestone. A DOE representative on the tour commented that he was most impressed with the "expertise and commitment of the AMWTP workforce."

Idaho Cleanup Project (ICP)

February 8: Staff at the Integrated Waste Treatment Unit determined that off-gas system valves were identified incorrectly in a safety report resulting in some functional requirements and performance criteria not being considered. There were no immediate hazards to the workers or facility from this discovery. The error is being corrected to ensure adequate requirements and criteria are included in the report. [EM-ID--CWI-IWTU-2015-0001]

Notable Accomplishments:
In February, crews at the Radioactive Waste Management Complex's Accelerated Retrieval Project V facility began treating and repackaging 799 drums of sludge material to enable the waste to eventually be shipped to the Waste Isolation Pilot Plant in New Mexico.

Idaho National Laboratory (INL)

February 2: A firewater pump battery at the Advanced Test Reactor complex failed, resulting in a “battery failure" alarm for the firewater pump. An investigation revealed the battery had internally shorted and needed replacement. A maintenance work request was submitted. [NE-ID--BEA-ATR-2015-0006]

February 5: Personnel at the Advanced Test Reactor determined that a limiting condition of operation related to fueled experiment storage may be inadequate. The operability requirements for the radiation monitoring and seal system identified in the safety analysis may not be adequate to mitigate all theoretical experiment failures. Interim controls have been established to require confinement systems to mitigate a radioactive material release from an experiment failure post reactor shutdown. [NE-ID--BEA-ATR-2015-0007]

February 6: It was discovered that a fire alarm system Universal Digital Alarm Communicator/Transmitter (UDACT) dialer had failed at the Transient Reactor Test facility (TREAT). The facility was in an extended outage period at the time of the discovery. A four-hour fire watch was established, and a maintenance request was submitted. [NE-ID--BEA-MFC-2015-0002]

February 9: A Battelle Energy Alliance employee injured their leg while getting into a car at an in-town facility. The employee was evaluated and it was determined that the injury will require surgery. [NE-ID--BEA-STC-2015-0001]

February 15: One of six safety rods did not fully insert during a manual scram to shut down the Advanced Test Reactor (ATR). For the operating cycle the Limiting Condition for Operation requirement was met with 5 operable safety rods, and the reactor was safely shutdown within operating requirements using the other five operable safety rods. The system is being evaluated. [NE-ID--BEA-ATR-2015-0008]

February 24: While performing preventative maintenance on an overhead bridge crane at the Advanced Test Reactor, a fastener on a mechanic’s fall protection safety harness became inadvertently detached from the lifeline cable, exposing the individual to an approximate 40-foot fall hazard. The mechanic was able to re-attach the fastener and exit the crane safely. All elevated work on the crane was stopped. A Stop Work was placed in effect for all work/access that requires the use of a horizontal or vertical cable fall arrest system. [NE-ID--BEA-ATR-2015-0009]

Notable Accomplishments:

On February 5, INL held a ribbon-cutting to memorialize the successful installation of the Accelerator Mass Spectrometer. The 0.5 million volt Accelerator Mass Spectrometer provides INL with the new capability of wide isotopic ratio measurements to support the lab’s nuclear materials research and nonproliferation mission.

On February 9, the Advanced Treatment Reactor Complex executed a safe, event-free and on-schedule reactor startup after a five-and-a-half-month maintenance outage. INL Deputy Laboratory Director Kelly Beierschmitt said, "ATR Complex hit a home run by executing this

startup safely and event-free with on-schedule execution." He congratulated the entire ATR Complex team for its safe and event-free performance during the outage and startup.