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**DOE-ID Operations Summary
For the Period September 1, 2015 – September 30, 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)

Nothing to report for this period

Notable Accomplishments:

- September saw the end of Fiscal Year 2015, with ITG processing, characterizing, certifying and/or shipping over 12,000 cubic meters of legacy and process generated waste.
- ITG also safely and compliantly retrieved over 1,900 cubic meters of transuranic waste from the Transuranic Storage Area-Retrieval Enclosure (TSA-RE). Utilizing an accelerated retrieval strategy that includes dedicating additional AMWTP personnel and resources to the waste retrieval organization, AMWTP expects to have all remaining waste on Pad 1 Cell 1 in TSA-RE removed as soon as the end of FY16.

Idaho Cleanup Project (ICP)

September 23: Management at the Integrated Waste Treatment Unit (IWTU) declared a management concern over failed filter elements located within the Process Gas Filter (PGF). The failed filter elements were identified during an investigation related to low differential pressure across the PGF. The facility was shutdown undergoing a maintenance outage at the time of the discovery. [EM-ID--CWI-IWTU-2015-0010]

Notable Accomplishments:

CH2M-WG Idaho (CWI) received a check for more than \$122,000 from Idaho Power for significant energy cost savings at the Idaho Nuclear Technology and Engineering Center. The check was awarded for two energy conservation projects that will save more than \$90,000 annually in electricity and fuel costs. The first project involved optimizing a complex heating, ventilating and air conditioning (HVAC) system, while the second project involved replacing 400-watt metal halide lights with more energy-efficient 146-watt light-emitting diode (LED) lights in a maintenance building. LED lights more than doubled the light in this area and will last 10 times longer than the original bulbs, saving this facility nearly \$15,000 per year and 1,400 hours in light and ballast replacement time over the course of 10 years.

Idaho National Laboratory (INL)

September 8: A log count rate instrument at the Advanced Test Reactor (ATR) failed calibration. Management was notified and a maintenance work request has been initiated to troubleshoot and repair the log instrument. [NE-ID--BEA-ATR-2015-0034]

September 11: A back-up diesel generator at the Advanced Test Reactor automatically shutdown unexpectedly during an operational test. ATR was shut down and defueled at the time of the event. [NE-ID--BEA-ATR-2015-0035]

September 16: A discharge check valve on deep well pump at the Advanced Test Reactor stuck open during testing. At the time of discovery, ATR was shut down and defueled. [NE-ID--BEA-ATR-2015-0037]

September 17: A protection relay installed on a breaker for a deep well pump at the Advanced Test Reactor was not working properly due to a capacitive energy storage failure. The protection relay will be replaced. The ATR was shut down and defueled at the time of this event. [NE-ID--BEA-ATR-2015-0038]

Notable Accomplishments:

INL engineering/construction project earns industry recognition: For the second year in a row, INL has garnered recognition from industry peers for completion of a major engineering/construction project. The Advanced Test Reactor (ATR) Transition to Commercial Power Project was chosen by flagship construction magazine Engineering News-Record as the first-place winner in the energy-industrial category of its 2015 Best Projects competition for the mountain states. The project demonstrated the successful collaboration of a Department of Energy national laboratory with a European manufacturer to design, fabricate, test and install a custom-built Uninterruptible Power Supply (UPS) that meets stringent U.S. nuclear safety and quality assurance requirements. This resulted in improved operational safety and reliability, significant carbon emissions reductions, and major operating cost savings for the ATR, America's leading nuclear energy research reactor.

Battelle Energy Alliance opens doors to INL charitable programs: Battelle Energy Alliance, operator of the U.S. Department of Energy's Idaho National Laboratory, announced the application period for its FY 2016 Community Giving and Technology-based Economic Development campaigns. The 2016 charitable donation campaign focuses on two programs, each with a distinct audience and aim. Through the INL Community Giving program, BEA provides corporate-funded donations in selected areas, including human services, health, environment, arts and civic projects. The second program, INL Technology-based Economic Development program, targets projects aimed at spurring regional economic development, technology-based economic development, entrepreneurship and innovation in the region.