

Distributed on June 1, 2014

**DOE-ID Operations Summary
For the Period April 8, 2014 through May 15, 2014**

***EDITOR'S NOTE:** The following is a summary of contractor operations at the Idaho National Laboratory, managed by 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)

April 8, 2014: Idaho Treatment Group maintenance electricians discovered an electrical circuit that was not properly isolated while conducting an inspection of an electrical receptacle in a trailer module office building. The electrical panel was shut, secured, and locked and tagged out. [EM-ID--ITG-AMWTF-2014-0004]

Operational Summary:

The Advanced Mixed Waste Treatment Project (AMWTP) continues to certify CH TRU waste shipments. There are approximately 200 equivalent shipments of certified CH TRU waste containers that can be shipped to WIPP. No CH or RH TRU waste shipments will be made until WIPP operations resume.

Idaho Cleanup Project (ICP)

Integrated Waste Treatment Unit

Note: IWTU is currently in a planned outage performing several maintenance activities.

April 8, 2014: It was discovered that a safety analysis performed on the Granular Activated Carbon (GAC) vessels at the Integrated Waste Treatment Unit (IWTU) did not account for expected GAC vessel wall corrosion during normal processing activities. The adequacy of the existing safety analysis is being reviewed. [EM-ID--CWI-IWTU-2014-0003]

April 14, 2014: An Integrated Waste Treatment Unit (IWTU) operator was injured while closing a vehicle access gate. While manually closing the gate, it fell inward, landing on top of the operator and pinning the operator underneath. A fellow employee, was able to lift the gate so the operator could get out from underneath. The operator received immediate treatment on-site and was transported off-site to a local hospital where the employee was diagnosed with a fractured vertebra. Security personnel assisted in securing the fence opening and tagged the gate out of service. [EM-ID--CWI-IWTU-2014-0004]

April 16, 2014: During startup testing activities, Integrated Waste Treatment Unit (IWTU) off-gas temperature controller caused a Safety Instrumented Function (SIF) to trip due to high temperature in the IWTU process off-gas system. This was caused when a manual adjustment to increase the temperature of the off-gas cooler (OGC) was made in the wrong direction causing the off-gas system to reach its alarm point, causing the system to trip. [EM-ID--CWI-IWTU-2014-0005]

May 14, 2014: A lockbox was not locked in accordance with company procedure. The lock had been installed on the lockbox without lock tag included, as required. [EM-ID--CWI-IWTU-2014-0006]

Operational Summary:

Integrated Waste Treatment Unit Activities

The Integrated Waste Treatment Unit (IWTU) is now in Shutdown mode, and busily working activities associated with its first planned outage; a second planned outage will take place following completion of Testing Instruction-102 and simulant waste processing. Heat-up of the plant and TI-102 are expected recommence in June.

Idaho National Laboratory (INL)

May 12, 2014: The Utility uninterruptable power supply (UPS) at the Advanced Test Reactor was inadvertently entered in to bypass mode (no longer in a battery-backed condition) when the wrong button sequence was pushed by the reactor operator. The error was reported to the control room, and the UPS was restored to normal operation. [NE-ID--BEA-ATR-2014-0012]

May 14, 2014: A Health Physics Technician discovered beta/gamma contamination on the skin of his hand during a routine hand survey following job coverage of the dilution of high-activity level flux wire dissolutions. The contaminated HPT was taken to a separate room where the hand was decontaminated. Subsequent surveys and follow-up scans of the work area identified contamination of a work bench top. The area has been posted as a contamination area. [NE-ID--BEA-AL-2014-0001]

Notable Accomplishments: Idaho National Laboratory dedicates new Energy Innovation Laboratory for clean energy research

Local, state, and national officials highlight new capacity for private-sector collaboration

On April 22 Idaho National Laboratory dedicated its new Energy Innovation Laboratory on the Idaho Falls Research and Education Campus.

John Grossenbacher, Battelle Energy Alliance President and INL Laboratory Director, hosted special guests including Idaho Gov. C.L. "Butch" Otter; U.S. Rep. Mike Simpson (Idaho); Pete Lyons, Department of Energy (DOE) Assistant Secretary for Nuclear Energy; David Danielson, DOE Assistant Secretary for Energy Efficiency and Renewable Energy; and Ron Townsend, Executive Vice President for Battelle Memorial Institute.

The new facility has 148,000 square feet of reconfigurable laboratory research space, plus a meeting space where visitors and the public can attend seminars and educational events.

"Our new Energy Innovation Laboratory adds significant research capabilities that will materially contribute to the modernization and transformation of America's nuclear energy systems and infrastructure," said Grossenbacher.

The new laboratory enables a variety of cutting-edge research, including work related to next-generation materials required for advanced nuclear reactors and enhanced resilience of the nation's electrical grid and control systems.

"The Department of Energy is invested in the future of Idaho National Lab," DOE Assistant Secretary for Nuclear Energy Pete Lyons said. "That investment will support the development of advanced nuclear fuels, processes and control rooms to meet the current challenges facing the nuclear energy industry, and they in turn will provide for the energy needs of the nation."

"The Department of Energy's national laboratories provide core research capabilities, and play a vital role in deploying clean energy technologies through long-lasting, public-private partnerships," DOE Assistant Secretary for Energy Efficiency and Renewable Energy David Danielson said. "This collaborative, customizable space will enable lab researchers, industry, and academic partners to accelerate clean energy innovations and environmentally sustainable technologies that can help tackle today's energy challenges."