

THE IDAHO CLEANUP PROJECT (ICP)

AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009



U.S. DEPARTMENT OF
ENERGY

Environmental
Management

FACTS AT A GLANCE

Funds provided: \$468 million

Idaho Site Footprint Reduction: ~ 812,000 square feet



Project duration: Completion by 2011

EM's Mission: DOE is responsible for the risk reduction and cleanup of the environmental legacy of the Nation's nuclear weapons program, one of the largest, most diverse and technically complex environmental programs in the world.

How were projects identified and selected: In January 2009, the Department of Energy completed and presented to Congress a comprehensive plan assessing initiatives to accelerate the reduction of environmental risks and challenges posted by the legacy of the Cold War. That positioned the Department to quickly and efficiently assess projects available for recovery funds.

Where will additional information be posted:

<http://www.em.doe.gov/pages/emhome.aspx>

Introduction:

In February 2009, President Barack Obama signed into law the American Recovery and Reinvestment Act (ARRA). DOE's Office of Environmental Management (EM) is the recipient of \$6 billion from the ARRA.

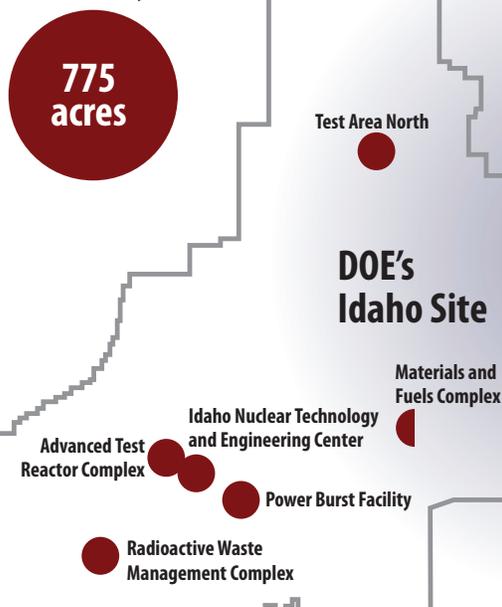
The Idaho Site will receive \$468 million of the EM funding.

Idaho Cleanup Project's Core Mission:

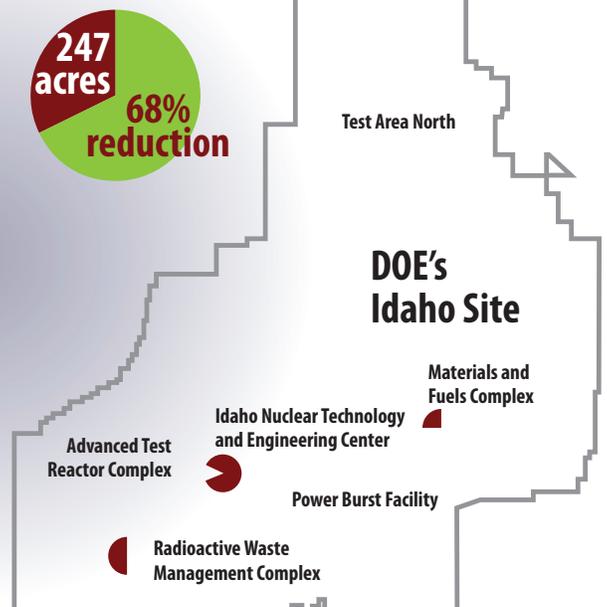
Under ARRA, it is the mission of the Idaho Cleanup Project to:

- ▶ Create new jobs and maintain existing jobs with long lasting economic benefits.
- ▶ The ARRA funding will maintain current environmental cleanup jobs, and create hundreds of new jobs.
- ▶ Develop work scopes, cost estimates, and schedules that are fully defined, supported, transparent, reportable, and auditable. Ensuring that results are meaningful and measurable.

ICP Today



ICP in 2011



Idaho Cleanup Project's Approach:

The ARRA funding will be used in Idaho to accelerate completion of existing environmental protection and site cleanup goals, disposition excess nuclear facilities and radioactive waste much earlier than originally planned, and reduce environmental threats to the Snake River Plain Aquifer.

► D&D

Accelerate deactivation and decommissioning (D&D) of nuclear and radiological facilities that no longer have a mission, along with supporting facilities. A total of 89 facilities and structures will be demolished resulting in an Idaho Site footprint reduction of approximately 812,000 square feet. The acceleration will include facilities at the Idaho Nuclear Technology & Engineering Center (INTEC), Materials and Fuels Complex (MFC), Advanced Test Reactor Complex (previously known as the Test Reactor Area, TRA), and the Power Burst Facility (PBF) area.

► The Subsurface Disposal Area

Complete the construction of two planned and two new facilities for retrieval of targeted waste from the Subsurface Disposal Area (SDA). This allows for earlier completion of targeted waste retrievals per the Record of Decision and the Agreement to Implement with the state of Idaho, and will result in 1.77 acres of targeted waste retrievals. Early completion of the retrievals also allows for early construction of an evapotranspiration barrier over the entire SDA, ensuring long term protection of the Snake River Plain Aquifer. In addition, initial remediation work for the in-situ grouting of mobile contamination sources will be completed, as well as the construction and operation of a new storage facility to accommodate accelerated targeted waste retrievals.

► The Advanced Mixed Waste Treatment Project

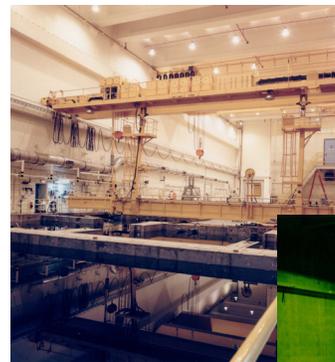
Ship offsite 800 cubic meters of contact handled mixed low level waste currently in inventory by the end of FY09. Ship an additional 2,762 cubic meters of contact handled low level waste by the end of FY11 for a grand total of 3,562 cubic meters, and process offsite contact handled TRU waste from small sites.

► Spent Nuclear Fuel

Accelerate movement of spent nuclear fuel from wet storage to dry storage, allowing for fuel consolidation resulting in accelerated footprint reduction. A total of sixteen shipments of EBR-II fuel from wet to dry storage will be completed.

► Remote Handled Waste Project

Retrieve, transport, process and dispose of 53 liners of transuranic waste, and 192 liners of mixed low level waste. This enables Idaho to accelerate disposition of RH-TRU to enable compliance with the Idaho Settlement Agreement, and optimize the utilization of the disposal asset at the Waste Isolation Pilot Plant.



Photos (top to bottom)

Subsurface Disposal Area

Transuranic waste departing the Idaho Site

Wet to dry fuel consolidation