

ICP

IDAHO CLEANUP PROJECT

Project Overview
Dennis Love, General Counsel

April 2012

CH2M•WG
IDAHO, LLC



SAFELY PLAN • MOTIVATE • DELIVER

Mission

CH2M•WG
IDAHO, LLC

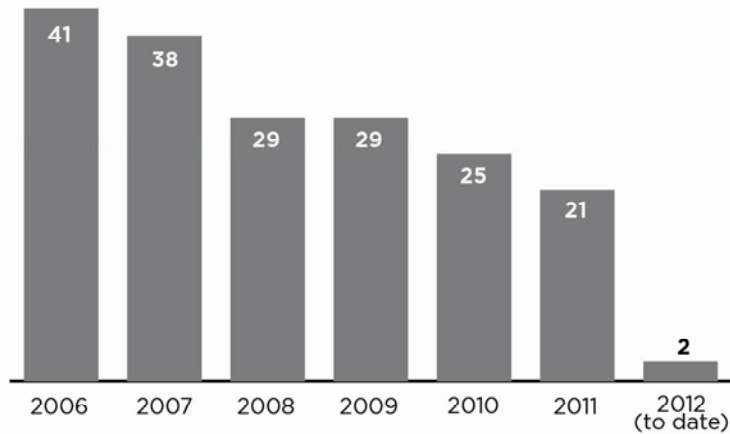
- ◆ Environmental cleanup of the Department of Energy's Idaho Site, contaminated with legacy wastes
 - Managed by CH2M HILL and URS
 - Contract period – May 2005-September 2012
 - Contract value – \$2.9 billion
- ◆ Centers around six major project areas
 - Test Area North
 - Advanced Test Reactor Complex
 - Materials and Fuels Complex
 - Radioactive Waste Management Complex
 - Idaho Nuclear Technology and Engineering Center
 - Power Burst Facility



Safety Performance



RECORDABLE INJURIES BY YEAR



3

Sodium-bearing Waste Treatment



Treatment

- ◆ 53,000 square foot, first-of-a-kind facility built to stringent seismic standards (2,500 year event)

- ◆ Uses steam reforming technology to treat 900,000 gallons of sodium-bearing waste stored in three underground tanks

◆ Completed

- Construction (June 3, 2011)
- Milestone test (October 20, 2011)
- Corporate Operational Readiness Review (ORR) (March 9, 2012)
- Federal ORR (April 6, 2012)

- ◆ Operations to begin in April 2012

Tank Farm closure

- ◆ 11 liquid waste tanks grouted
- ◆ Grouting prep for remaining tanks



Integrated Waste Treatment Unit

4

Waste Disposition



- ◆ Shipped all contract scope remote-handled transuranic waste to the Waste Isolation Pilot Plant (216 shipments)
 - Delivered nine months ahead of schedule with \$4 million in cost savings
- ◆ Completed an additional 44 shipments of remote-handled transuranic waste made possible by Recovery Act dollars

The first Recovery Act shipment leaves the Idaho Site



5

Waste Disposition (continued)



- ◆ Exhumed 2.95 acres – completing contract scope of 2.55 acres, one year ahead of schedule with \$22 million in cost savings
 - Completed Pit 9 – one year ahead of schedule and \$10 million under budget
- ◆ Shipped 99 percent* of exhumed targeted waste (contact-handled transuranic) to the Waste Isolation Pilot Plant



*CWI contract

6

Facility Demolition



- ◆ Demolition of 218 (of 221) facilities and structures
 - Over two million square feet of footprint reduction
 - Delivered one year ahead of schedule with \$307 million in cost savings
- ◆ Includes four reactor facilities – Loss-of-Fluid Test, Power Burst Facility, Materials Test Reactor, and Engineering Test Reactor
- ◆ Developed technology to treat passivated sodium



One-million pound hot cell en route to Idaho CERCLA Disposal Facility

7

Site Remediation



- ◆ 120 contaminated environmental sites remediated
 - Completed contract scope ahead of schedule with \$67.5 million in cost savings
- ◆ 68 hazardous tank systems closed
 - Completed contract scope ahead of schedule with \$4.3 million in cost savings



A technician gathers samples at the Radioactive Waste Management Complex

8

Spent Nuclear Fuel Disposition



- ◆ Transferred 3,186 units of spent used nuclear fuel from wet to dry storage
 - Completed contract scope ahead of schedule
- ◆ Ongoing
 - Experimental Breeder Reactor II fuel moves from INTEC to MFC
 - Navy fuel shipments from INTEC to Naval Reactors Facility
 - Domestic and Foreign research reactor fuel moves



Fuel operators bag a canister containing Tory-II fuel prior to moving it to dry storage

Reducing risks, honoring commitments, delivering value

