



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

High Level Waste Relocation Project Update

Heatherly Dukes, High Level Waste Project

CH2M HILL B&W West Valley, LLC

February 25, 2015

Milestone 1 – HLW Canister Relocation & Storage Project

Major 2014 Accomplishments

- Constructed HLW Cask Storage Pad
- Procurement and delivery of equipment needed to package and relocate 278 canisters
- Fabrication of first 16 Vertical Storage Casks (VSC) and 8 overpack containers
- Developed canister decontamination process
- Performed numerous facility modifications
- Developed and submitted 10 CFR 71 (Packaging and Transportation of Radioactive Material) amendment for NRC approval



High Level Waste Storage Pad



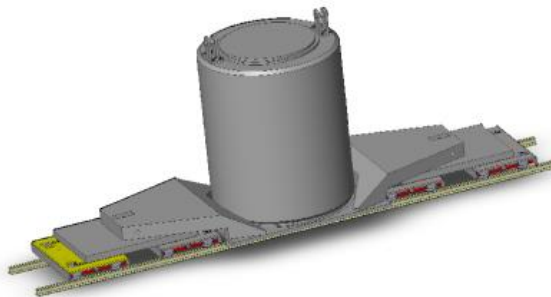
**Automated Welding System (AWS)
Delivered and Tested**



**Vertical Cask Transporter (VCT)
and Tugger Delivered and
Tested**



**Low Profile Rail Cart
80% Fabrication Complete
Load Testing in Mid-February
Delivery in March**



**TL220
Delivery Complete**



8 Overpacks Fabricated and Fit Tested



**16 Vertical Storage Casks Constructed,
8 Overpacks Loaded in VSCs**



Canister Decon Unit
Proficiency Training

Chemical Process Cell (CPC)

- Fabricated Canister Decon System
- Conducted proficiency training with the Canister Decon Unit
- Two new cameras received for installation
- Completed planning for decontaminating the CPC floor



Load-In Facility (LIF) Runway
Installed

Load-In Facility

- Received two Aero-Go air pallet systems
- Received cask preparation platform
- Completed pavement saw cutting to allow excavation for Cask Transfer Pad



(Aero-Go) Air Pallet for Load-In
Facility

Equipment Decontamination Room (EDR)

- Grouted subsurface void spaces
- Grouted the Soaking Pit and initiated installation of concrete cap
- Completed planning for the subsurface soil strengthening
- Completed electrical modifications for the transporters



Grouting Subsurface Void Space

Road Upgrades



Mitigated overhead and underground utility interferences



Conducted ~1600 linear feet of road widening

QUESTIONS?