



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

Project Update

Dan Coyne, President and General Manager
Quarterly Public Meeting

CH2M HILL B&W West Valley, LLC

February 25, 2015

Safety Status through January 2015

Metric	12-Month Rolling Average
TRC (12-Month Rolling Average)	0.0
DART (12-Month Rolling Average)	0.0
Last Recordable	Recordable November 25, 2013

1.27 Million Safe Work Hours without a Lost Time Accident (As of February 19) or 836 days

No Personnel or Clothing Contaminations

No Intakes or Unplanned Radiological Exposures

No Recordable Injuries for 2014.

Total Recordable Case Rate (TRC) of 0.0 – The lowest in the DOE Complex for similar type work

Milestone 1 – HLW Canister Relocation & Storage Project

Major Accomplishments

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



Legacy Waste Disposition through January 2015

Approximately 140,000 ft³ in storage at start of contract

- Processed and shipped ~80,000 ft³ for disposal since contract start
 - LLW: 56% complete (73,743 ft³)
 - MLLW: 79% complete (5,000 ft³)
 - Industrial: 100% complete (984 ft³)
 - Hazardous: 100% complete (163 ft³)
 - 84 shipments to date
- 243 LLW/MLLW containers available for shipment (three cement filter boxes and 240 LLW containers)
- Completed removal of first 80 drums of TRU waste from the Chemical Process Cell



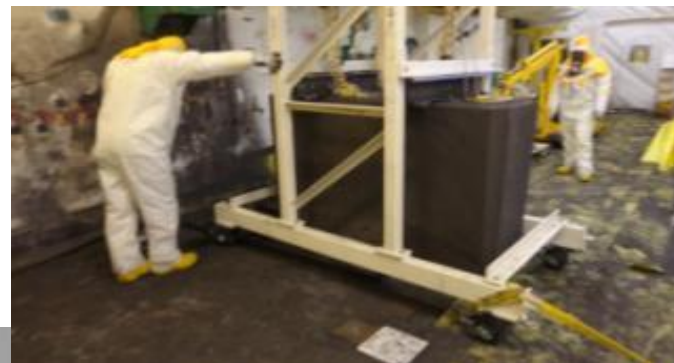
Loading LLW Shipment to Nevada National Security Site (NNSS)



SR Box Shipment to NNSS

Milestone 3 – Main Plant Process Building Deactivation Continues

- Liquid Waste Cell (LWC) – Decon - Tanks 4D-10 and D13 complete. Cutting concrete for access (five openings) to Tanks 4D-8 and 7D-8 is complete
- Off-Gas Trench – Pipe removal complete up to Load In/Load Out
- Analytical Aisle – Sample Storage Cell (SSC) – In-cell decontamination in progress (75% complete)
- Extraction Cell (XC)-1 – Extraction column Vessels 4C-1 and 3 and pots 4Y-5 and 6 size reduction complete. In-cell pipe size reduction in progress
- Off-Gas Cell – Core drilling in preparation for cutting access opening complete. Excess material, tools, equipment removal in progress. Off-Gas Blower Room de-posted from Asbestos-Containing Material (ACM) controls
- ACM sampling for pre-demolition survey report – Roofs and building exteriors complete
- HEV Replacement Ventilation Units Building – construction complete. Main power feed to building complete



LWC Concrete Hatch Cutting and Removal



XC-1 Vessel 4C-1
Removal from
Building



SSC Manned Entry for Decon

Milestone 3 – Vitrification Facility Deactivation Progress

- Vitrification Cell – Wall s and z shaped penetrations (approximately 400) stabilization complete
- EDR Tunnel – Decontamination is complete
- Crane Maintenance Room – Excess material, equipment and tool removal in progress



Vitrification Cell Wall
Penetrations Stabilization



Excess Material Before Cleanup



Crane Maintenance Room Debris
Removal in Progress

Milestone 4 – Newly Generated Waste Disposition

Status through January 2015

- Contract-to-date shipping status through January 2015
 - Industrial Waste: 150,619 ft³
 - Hazardous/Universal Waste: 758 ft³
 - LLW: 149,078 ft³
 - MLLW: 1,072 ft³
 - 195 Balance of Site Facilities (BOSF) shipments
- Trucked 8 high-level Haul Road upgrade asphalt intermodals to Alaron in Pennsylvania
- 253 LLW and 19 MLLW containers available for shipment (22 shipments)



Dispositioning Waste Containers of Soil and Debris from HLW Pad



Packaged Gondola Car of Soil and Debris at Alaron Facility

Site Operations

- Erosion damage to the Lake 1 spillway was repaired
- Eighteen foot Buttermilk Creek culvert was refurbished
- Lake 2 Dam and gate valve were repaired
- Two new water wells were installed on site for potable water

Balance of Site Facility Disposition

- Critical E-lab equipment was relocated to a new ground level office (GLO)
- Demolished the Con-Ed Building



Lake 2 After Completion of Dam Repairs



Final Grading of the Buttermilk Creek
18-Foot Culvert Slope

- Safe, compliant and cost efficient work performance
- Initiate relocation of 275 High Level Waste (HLW) canisters to temporary storage on the HLW Pad
- Complete deactivation of Vitrification Facility
- Commence relocation of the Melter



Road Testing Vertical Cask
Transporter



Melter Grouting Operations

QUESTIONS?