CHBWV Project Update

Citizen Task Force

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CH2M HILL B&W West Valley, LLC

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Safety Share

1 Million Safe Work Hours without a Lost Time Accident

- 48,000 work hours per month
- More than 20 months
- Achieved August 11, 2014
Milestone 1 – HLW Canister Relocation & Storage Project

- Relocate high level waste from interim storage in the Main Process Plant Building to a stand-alone dry cask storage system:
  - 275 HLW canisters
  - 2 Evacuated canisters
  - 1 Non-routine HLW canister
  - 2 Miscellaneous debris drums

Milestone 1 - High Level Waste Relocation and Storage Progress

Main Pad
- 144 feet by 110 feet by 3-feet thick
- 133 tons of reinforcing steel
- 1,800 cubic yards of concrete

Approach Apron
- 98 feet by 170 feet by 18-inch thick
- 110 tons of reinforcing steel
- 935 cubic yards of concrete

8 Vertical Storage Casks (VSCs) Completed; 8 more being fabricated in September

8 Overpacks Completed 8 In-process
Milestone 1 - In-Facility Canister Removal Pathway

- Low-Profile Rail Cart (75%) December Delivery
- Modifications continue in the Equipment Decontamination Room, Chemical Process Cell, and Load-In Facility to accommodate the transport of the canisters from the Main Plant Process Building
- TL220 Transporter 100% Fabrication Complete September Delivery

Milestone 1 - HLW Storage System Progress

- GT-50 Tugger – On Site and Tested
- Vertical Cask Transporter On Site and Being Tested
- Automatic Welding System September Delivery
Haul Road Upgrades

• Complete upgrades to 1,400 feet of site roadway

Milestone 2 - Waste Operations

Legacy Waste Disposition Status through August 2014 – No Changes from July

• Approximately 140,000 ft³ in storage at start of contract
• Processed and shipped ~77,000 ft³ for disposal to date
  – LLW: 53% complete (70,842 ft³)
  – MLLW: 79% complete (5,000 ft³)
  – Industrial: 100% complete (984 ft³)
  – Hazardous: 100% complete (163 ft³)
  – 84 shipments to date
Milestone 2 - Waste Operations, cont.

Shipment of Vitrification Melter, Concentrator Feed Make-up Tank (CFMT) and Makeup Feed Hold Tank (MFHT)

- CHBWV continues to work with Savannah River Nuclear Solutions, Savannah River National Lab (SRNL) to prepare an NRC application for a special authorization
- Work continues between CHBWV and Department of Transportation (DOT) on the correct categorization of the CFMT and MFHT containers

Milestone 3 – Facility Disposition

Main Plant Process Building (MPPB) Deactivation

- Liquid Waste Cell (LWC) – Tank 13D-8 and 13D-7 decontamination complete; core bore for hatches
- Plant Office – Asbestos-Containing Material (ACM) removal – shower area and utility closet
- Off-Gas Trench – Pipe removal from east/west section
- Analytical Aisle – Sample Storage Cell (SSC) decontamination
- Extraction Cell (XC)-1 – Mockup – Wachs’ Saw and decontamination equipment
- Off-Gas Cell (OGC) – Portable Ventilation Unit (PVU) preparations

Decon of Tank 13D-8 in LWC
Vitrification Facility Deactivation

- Vitrification Cell – Perform washdown of Cell East and North Wall, Lock Out/Tag Out, penetration covers, and manipulator repairs

Newly Generated Waste Disposition Status through August 2014

- Contract-to-date shipping status through August 2014
  - Industrial Waste: 150,546 ft³
  - Hazardous/Universal Waste: 648 ft³
  - LLW: 114,933 ft³
  - MLLW: 991 ft³
  - 195 Balance of Site Facilities (BOSF) Shipments
Milestone 4 - Nuclear Operations and Storage, cont.

Lake 1 Spillway Repairs
- Recontouring of Side Slopes of Lake 1 Spillway and Placement of Topsoil and Enkamat
- Placement of Enkamat, Seeding and Hydro-Mulching on Lake 1 Spillway
- Placement of Topsoil, Enkamat, Seeding and Hydro-Mulching on Lake 1 Spillway
- Installation of Drainage Swale in Lake 1 Borrow Area

Lake 2 Dam Repairs
- Initiated repairs following permit approval of Lake 2 repairs from the New York State Department of Environmental Conservation Division of Dams and Army Corps of Engineers
- Starting Repairs at Base of Lake 2 Dam
- Recontouring and Repair of Lake 2 Dam Face and Groin Drain
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Well Installation

- Completed all field work and sampling of the water wells
  - Received approval from Cattaraugus County to perform a final tie-in to place the wells in service

Aerial Survey to Measure Radiation

- National Security Technologies, LLC (NSTec) (Contractor to Department of Energy’s National Nuclear Security Administration) will perform aerial surveys to measure radiation.
- Aerial surveys are scheduled September 22 through October 8, weather dependent.
- A Bell-412 helicopter equipped with radiation detection instruments will fly approximately 150 feet above the ground at 80 mph over the survey area.
- Results will be provided at a 2015 Quarterly Public Meeting.
• WVDP site
• The Western New York Nuclear Service Center, approximately 3,300 acres
• Cattaraugus Creek from Springville to Lake Erie, including portions of the Villages of Gowanda and Silver Creek, Cattaraugus Territories of the Seneca Nation of Indians, and
• Portions of Cattaraugus, Chautauqua and Erie Counties.

QUESTIONS?