CHBWV Project Update

Dan Coyne  
President  
CH2M HILL B&W West Valley, LLC.  
June 26, 2013

Safety Performance

Through May, CHBWV and subcontractors have worked 303,720 work hours (207 days) without a lost-time work accident or illness.

<table>
<thead>
<tr>
<th>Metric</th>
<th>Incident Rate</th>
<th>CHBWV Goal FY2013</th>
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<tbody>
<tr>
<td>Total Recordable Case Rate (TRC)</td>
<td>April 2013</td>
<td>May 2013</td>
</tr>
<tr>
<td></td>
<td>0.68</td>
<td>0.68</td>
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<tr>
<td>Days Away, Restricted, or Transferred Case Rate (DART)</td>
<td>0.3</td>
<td>0.3</td>
</tr>
<tr>
<td>First Aid</td>
<td>0</td>
<td>1*</td>
</tr>
</tbody>
</table>

*Occurred in April, recorded in May
Recent Accomplishments

- 2013 Triennial Emergency Response Exercise
- Firearms Range Medical Response Drill
- Successful completion of 01-14 Building demolition (RadCon & Safety)

THIS IS AN EXERCISE

Facility Disposition Progress

Main Plant Process Building (MPPB) Deactivation Activities:
- Asbestos abatement
- Removed 3,400 linear feet of piping in Liquid Waste Cell, to date
- Removed office ceiling tile and carpet
- Characterized Hot Cells

Vitrification Facility Deactivation Activities:
- Sized and packaged filters, debris and miscellaneous equipment
01-14 Building
• Phase 3 Demolition (Demo) Complete
• Waste removal of demolition debris (75 intermodals)

Balance of Site Facilities (BOSF)
• Developing Work Instruction Package for demolition of New Cooling Tower and Con Ed. Building

Waste Operations
• Completed consolidation of seventy containers of Mixed Low-Level Waste (MLLW) in the Waste Processing Area (WPA) in advance of planned shipments.
Waste Disposition

New Generation Waste Disposition

Hazardous/Universal Waste Shipped
- 0 ft³ in May
- 204 ft³ Contract to Date

Industrial Waste Shipped
- 1,620 ft³ in May
- 66,755 ft³ Contract to Date

Low-Level Waste (LLW) Shipped
- 15,891 ft³ in May (includes 15,582 ft³ - Building 01-14)
- 39,362 ft³ LLW Contract to Date (includes 34,132 ft³ Building 01-14 to Date)

Mixed Low-Level Waste (MLLW) Shipped
- 441 ft³ in May
- 551 ft³ LLW Contract to Date

Remote-Handled Waste Facility

- Completed size reduction of the 3C-2 dissolver vessel using the plasma arc torch cutting method.
- Completed packaging of all size-reduced components of the 3C-2 dissolver vessel. Sixteen waste containers of LLW and eight drums of Remote Handled Transuranic (RH-TRU) waste were generated.
- The total weight of material size-reduced and re-packaged will be between 26,000 and 28,000 pounds.
Chemical Process Cell (CPC) Activities

- Completed the wash down of the expended Brokk in the CPC and packaged the Brokk in a special waste container for removal and disposal.

Washing the Expended Brokk

Packaged Expended Brokk

HLW Canister Relocation Project

- Scope: Remove and relocate HLW waste from the Main Plant Process Building (MPPB) to prepare the facility for demolition
- Planned activities
  - Retrieve waste from storage
  - Package in double containment vessel
  - Decontaminate
  - Relocate to outdoor storage pad

Canisters to be relocated
HLW Canister Relocation Project Status

• Contract in place for cask and component construction and packaged canister relocation
  • Fabrication of first 8 liners underway
  • On-site concrete cask construction to begin FY14

Concrete casks will surround steel inner-liner. Concrete cask fabrication will take place at the WVDP.

HLW Canister Relocation Project Status

• HLW packaging/decontamination
  • Expect to award contract in July
• Pad Construction
  • RFP being finalized
  • Target construction fall 2013
• Preparing for facility upgrades
  • Leveling and reinforcing floor in old Equipment Decontamination Room to support canister movement
• Procurements underway
  • In-facility cask transporter
  • A-frame transporter for outside relocation

The completed WV storage pad will look similar to the one pictured above.

Example of on-site cask transport
Recent Activities

- Conducted soil borings in MPPB Equipment Decontamination Room to support upgrades to existing floor
- Completed decontamination testing on HLW Canisters to support decontamination equipment procurement
- Finished removal of non-HLW from canister storage area to clear path for canister movement

New Hires

- Returning workers attended training classes (Radworker 2, Nuclear Criticality Safety, OSHA HAZWOPER Training, health and safety training courses, and specific training) related to work in Waste Operations
- Returning employees bring a combined 92 years of experience to the project
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Target</th>
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<tbody>
<tr>
<td><strong>Milestone 1:</strong> Complete high level waste (HLW) canister relocation</td>
<td>October</td>
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<tr>
<td>Procure and construct cask storage pad</td>
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<tr>
<td><strong>Milestone 2:</strong> Process, ship and dispose of all legacy waste off-site</td>
<td>September</td>
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<tr>
<td>Complete 75 shipments of legacy waste</td>
<td>September</td>
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<tr>
<td>Initiate processing of 243 high moisture cement drums in preparation for shipment</td>
<td>October</td>
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<td><strong>Milestone 3:</strong> Demolition and removal of the Main Plant Process Building (MPPB) and the Vitrification Facility (VF)</td>
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<tr>
<td>Complete Vitrification Cell equipment clean out</td>
<td>September</td>
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<td>Complete removal of all asbestos containing materials from the laboratories, laundry and MPPB office areas</td>
<td>April 30 – September 30</td>
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<td><strong>Milestone 4:</strong> Complete all work described in the Performance Work Statement</td>
<td>May</td>
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<td>Complete demolition of Old Warehouse Pad</td>
<td>May</td>
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<tr>
<td>Complete demolition of Counting Lab Slab</td>
<td>June</td>
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<tr>
<td>Complete demolition of New Cooling Tower and Old Wastewater Treatment Facility</td>
<td>July</td>
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