WVDP
Project Update

Scott Anderson
Deputy General Manager

Citizen Task Force Meeting
July 25, 2018
### Safety

<table>
<thead>
<tr>
<th>Metric</th>
<th>June 2018 12-Month Rolling Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRC (12-Month Rolling Average)</td>
<td>1.64</td>
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<tr>
<td>DART (12-Month Rolling Average)</td>
<td>0.00</td>
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<tr>
<td>Last Lost-Time Case Recordable</td>
<td>April 24, 2017</td>
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<tr>
<td>Last Recordable Injury</td>
<td>June 28, 2018</td>
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Milestone 1

✓ Complete Relocation of 275 HLW Canisters and 3 Non-conforming HLW Canisters to Long-term Interim Storage (*Completed*)

Milestone 2

• Process, Ship, Dispose of all Legacy Waste, not including Transuranic Waste (TRU) (*Ongoing*)

Milestone 3

• Demolish and Remove the Main Plant Process Building and the Vitrification Facility (*Ongoing*)

Milestone 4

• Complete All Work in Performance Work Statement, including Balance of Site Facilities, Surveillance and Maintenance, and Site Operations (*Ongoing*)
Milestone 2 (97% Complete)

• Process, ship and dispose Legacy Waste
  • Overall Legacy Waste status
    • 180,471 ft$^3$ of LLW shipped
    • Approximately 2 shipments remain
  • Two of the three large vessels remain
    • Reboiler was shipped on July 12
    • Work to process, size reduce, and package Dissolver is 90% complete

• Planned completion July 2018
Deactivation and Demolition Progress

- Milestone 3 - Vitrification Facility (VF) Demolition – 76% Completed
- Milestone 3 - Main Plant Process Building Deactivation – 90% Completed
- Milestone 4 - Balance of Site Facilities Demolition – 22 of 47 Facilities Completed
Milestone 3 – Vitrification Facility

• Demolition began on September 11, 2017
  Phase 1 Completed (November 2, 2017)
    • Outer access aisles

  Phase 2 Completed (June 26, 2018)
    • Process Cell (completed)
    • In-Cell Coolers (completed)
    • Shield Windows (completed)

  Phase 3 (Ongoing)
    • Crane Maintenance Room Shield Door
    • Transfer Tunnel Door (removed)
    • Three cranes and equipment
    • South Wall
    • Secondary Filter Room Roof

• Planned completion September 2018
Vitrification Facility Demolition, June 13
Excavator preparing demolition debris for loading
Vitrification Facility Demolition, June 13

100-Ton Crane Maintenance Room Shield Door closed as part of demolition process. It is planned to be removed in July.
Before and After Vitrification Demolition

Phase 2
November 2, 2017 – June 26, 2018
Vitrification Demolition, July 5
60-Ton Transfer Tunnel Shield Door removed with excavator bucket
Vitrification Demolition, July 9
60-Ton Transfer Tunnel Shield Door on ground
Vitrification Demolition, July 24
Preparing to remove and lower 100-ton Crane Maintenance Room Shield Door
Vitrification Facility Waste Disposal

Expected Debris Quantity: ~450 Intermodals (IMs)
Status: 257 Intermodals Loaded; 213 Intermodals Shipped
Milestone 3 – Main Plant Process Building

- Six crews are performing deactivation and decontamination in MPPB
  - Asbestos-containing material (ACM) removal
  - Deactivation in radiological areas

- Major areas left for deactivation, which are also the most difficult
  - Vent Exhaust Cell – Completed core drilling in upper plenum to support future debris vacuuming/fixative application
  - Process Mechanical Cell – Completed fixative application in the Process Mechanical Cell Room (walls, ceiling and floor)
  - Vent Wash Room – Completed core drilling of four additional access openings and cut openings in scrubber unit for vacuuming
  - Chemical Process Cell – Commenced draining of the shield windows located on the west wall of the cell

- Overall Status: 90% Deactivated

- Planned completion November 2018
Balance of Site and Infrastructure (BOSF)

Milestone 4 – BOSF and Infrastructure

• Performing deactivation to support removal of 47 Balance of Site Facilities
  • 22 facilities demolished and areas restored

• Reconfiguring Infrastructure for facility demolition and future site needs
  • New electrical substation
    • Completed 90% of installation of 35Kv electrical reroute from Utility Room/Utility Room Extension
    • Working on new substation changeover
    • Final tie-in expected in July
  • Utility line locations have begun prior to the new natural gas distribution system
  • Rail Spur upgrades began the week of July 9
Follow-up From Last Meeting
Water Management Features

Berm
Water Management Features (Cont.)

Fracturing (FRAC) tank storage units