WVDP Project Update

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Communication Manager

Citizen Task Force Meeting
September 12, 2018

Safety

<table>
<thead>
<tr>
<th>Metric</th>
<th>August 2018 12-Month Rolling Average</th>
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<tbody>
<tr>
<td>TRC (12-Month Rolling Average)</td>
<td>1.32</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>July 13, 2018</td>
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**Contract Scope**

**Milestone 1**
- Complete Relocation of 275 HLW Canisters and 3 Non-conforming HLW Canisters to Long-term Interim Storage *(Completed)*

**Milestone 2**
- Processed, Shipped, Disposed of all Legacy Waste, not including Transuranic Waste (TRU) *(Completed)*

**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 (BOSF), Surveillance and Maintenance, and Site Operations *(Ongoing)*

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**Legacy Waste Processing**

**Milestone 2 (100% Complete)**
- Process, ship and dispose Legacy Waste
  - Overall Legacy Waste status
    - 180,471 ft³ of LLW shipped
    - 151 shipments
    - 1,750 containers
  - Emptied Chemical Process Cell – Waste Storage Area in preparation for its demolition
  - Completed the disposition of the last large vessel
    - Processed, size reduced, packaged and shipped the remaining half of the Dissolver
  - Completed on September 6
Deactivation and Demolition Progress

• Milestone 3 - Vitrification Facility (VF) Demolition – 90% Completed
• Milestone 3 - Main Plant Process Building Deactivation – 92% Completed
• Milestone 4 - Balance of Site Facilities Demolition – 22 of 47 Facilities Completed and Areas Restored (47%)

Milestone 3 – Vitrification Facility

• Vitrification Facility Demolition
  • Phase 1 Completed (November 2, 2017)
  • Phase 2 Completed (June 26, 2018)
  • Phase 3 (Ongoing)
    • Crane Maintenance Room Shield Door (completed)
    • Transfer Tunnel Shield Door (completed)
    • Three cranes and equipment (completed)
    • Transfer Tunnel walls and roof
    • Secondary Filter Room roof

• Planned completion September 2018
Vitrification Facility Demolition Progress (Cont.)

Before and After Vitrification Demolition (Phase 2)

September 2017

June 26, 2018

Removal of 60-ton Transfer Tunnel Shield Door

Removal of 100-ton Crane Maintenance Room Shield Door
Vitrification Facility Demolition Progress (Cont.)

Vitrification Demolition, August 13, 2018
Crews remove VIT process cranes

Vitrification Demolition
Penthouse removal
Vitrification Demolition
Hammering West Wall

Before and After Vitrification Demolition a year later

September 2017

September 2018
### Vitrification Facility Waste Disposal

**Expected Debris Quantity:** ~377 Intermodal (IMs)

**Status:** 272 Intermodal Loaded; 255 Intermodal Shipped

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### MPPB Deactivation

**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 challenging
  - Vent Exhaust Cell (VEC) – Completed the removal of temporary filters from the lower plenum and commenced final stabilization (fixative application)
  - Process Mechanical Cell – Completed final fixative application on crane and e-waste removal from the PMC Crane Room Enclosure
  - Vent Wash Room – Performed initial entry into room to remove large excess tools and equipment, and obtain radiological dose surveys of scrubber unit/general areas
  - Chemical Process Cell – Completed removal and waste packaging of loose equipment, tools and supplies from the cell and crane room
- Overall Status: 92% Deactivated
- Planned completion November 2018

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**Final vacuuming of debris on east side of upper VEC plenum**

**Upper VEC plenum after debris removal**
Milestone 4 – BOSF and Infrastructure

- Performing deactivation to support removal of 47 Balance of Site Facilities
  - Former Administration Building recently demolished
  - 22 facilities demolished and areas restored (47%)

- Reconfiguring Infrastructure for facility demolition and future site needs
  - New electrical substation
    - Working with manufacturer on transformer
  - Work continues on the new natural gas distribution system
  - On-site Rail Spur upgrades completed on September 7