WVDP
Project Update

Scott Anderson
Deputy General Manager

Citizen Task Force Meeting
January 24, 2018
## Safety

<table>
<thead>
<tr>
<th>Metric</th>
<th>November 2017 12-Month Rolling Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRC (12-Month Rolling Average)</td>
<td>2.0</td>
</tr>
<tr>
<td>DART (12-Month Rolling Average)</td>
<td>1.0</td>
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<tr>
<td>Last Lost-Time Case Recordable</td>
<td>April 12, 2017</td>
</tr>
<tr>
<td>Last Recordable Injury (arm strain)</td>
<td>October 16, 2017</td>
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2017 Accomplishments

- Recertified as a DOE-Voluntary Protection Program STAR site
- Accelerated offsite legacy waste shipments
- Achieved significant progress toward preparing the Main Plant Process Building for demolition
- Completed major site infrastructure upgrades
- Successfully partnered with DOE toward reconfiguring site’s electric supply delivery system
- Conducted support initiatives to benefit local communities
Milestone 1

✓ Complete relocation of 275 HLW canisters and 3 non-conforming HLW canisters to long-term interim storage *(Complete)*

Milestone 2

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

Milestone 3

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

Milestone 4

• Complete All Work in Performance Work Statement, including Balance of Site Facilities, Surveillance and Maintenance, and Site Operations
Legacy Waste Processing

Milestone 2

- Process, ship and dispose Legacy Waste
  - Overall Legacy Waste status
    - 142,470 ft$^3$ of 165,515 ft$^3$ shipped
    - 86% complete
    - Approximately 30 shipments remain
  - Three large vessels in Chemical Process Cell-Waste Storage Area (CPC-WSA)
    - First moved out of CPC-WSA for processing
    - Second being prepped for processing
    - Third will be shipped intact for processing offsite
- Planned completion September 2018

One of the large components sits in the doorway of the CPC-WSA

Filled waste boxes moved to onsite shipment-ready area
- Milestone 3 - Vitrification Facility (VF) Demolition – 47% Completed
- Milestone 3 - Main Plant Process Building (MPPB) Deactivation – 80% Completed
- Milestone 4 - Balance of Site Facilities Demolition – 19 of 47 Facilities Completed
Milestone 3 – Vitrification Facility

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

  Phase 2 is ongoing
  • Process Cell
  • Shield Doors
  • South Wall

  Phase 3
  • Crane Maintenance Room
  • Tunnel
  • Secondary Filter Room

• Planned completion March 2018
Vitrification Facility Phase 2 Demolition

Vitrification Facility East Side – November 27, 2017

Vitrification Facility West Side – December 13, 2017
Inside Vitrification Cell

Vitrification Facility – January 8, 2018
Vitrification Facility Waste Disposal

Expected Debris Quantity: ~450 Intermodals (IMs)
Status: 111 Intermodals Loaded; 94 Intermodals Shipped

As of 01/04/2018
MPPB Deactivation

Milestone 3 – Main Plant Process Building (MPPB)

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

- Several new areas now demolition-ready
  - Uranium Process Cell and Uranium Loadout
  - Acid Recovery Pump Room
  - Off Gas Cell Blower Room
  - Head End Ventilation

- Overall Status: 80% Deactivated
Milestone 4

- Performing deactivation to support removal of 47 Balance of Site Facilities
  - 19 facilities demolished and areas restored to date
- Reconfiguring Infrastructure for facility demolition and future site needs
  - All data and phone equipment is now located in the new data center
  - New electrical substation
    - Installation underway
    - Conduit installed
    - Expect operational in April 2018
  - Rail Spur upgrades scheduled for Spring
2018 Goals

• Perform All Work Safely and Compliantly
• Complete Disposition of Legacy Waste
• Complete Vitrification Facility Demolition
• Complete Main Plant Process Building Deactivation and Begin Demolition
• Initiate Off-site Rail Shipments
• Complete Gas and Electric Reconfiguration to Support Facility Demolition
• Complete Communications and Computer System Migration to New Data Center
Follow up
From Past Meetings
Vitrification Facility Demolition Boundaries and Features
Vitrification Facility Demolition
Air Monitoring Locations
Response to Potable Water Monitoring Inquiry

- Potable Water Sampling Results are available in the Annual Site Environmental Report (ASER)
  - Available online at
  - Appendix B-5 Potable Water (Drinking Water) Data