WVDP
Project Update

John Rendall
Deputy General Manager

Citizen Task Force Meeting
July 24, 2019

Metric

<table>
<thead>
<tr>
<th>Metric</th>
<th>June 2019 12-Month Rolling Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRC (12-Month Rolling Average)</td>
<td>1.42</td>
</tr>
<tr>
<td>DART (12-Month Rolling Average)</td>
<td>0.71</td>
</tr>
<tr>
<td>Last Lost-Time Case Recordable</td>
<td>June 2019</td>
</tr>
<tr>
<td>Last Recordable Injuries</td>
<td>March 2019</td>
</tr>
</tbody>
</table>
Milestone 1

• Complete relocation of 275 HLW canisters and 3 non-conforming HLW canisters to Long-term Interim Storage (Completed February 2017)

Milestone 2

• Process, ship, dispose of all Legacy Waste, not including Transuranic Waste (Completed September 2018)

Milestone 3

• Demolish and remove the Vitrification Facility and Main Plant Process Building (Deactivation ongoing, DOE is reviewing input from CHBWV regarding MPPB demolition – previously deferred)

Milestone 4

• Complete all work in Performance Work Statement, including Balance of Site Facilities, Surveillance and Maintenance, and Site Operations (Ongoing)

Deactivation and Demolition Progress

• Milestone 3 - Main Plant Process Building Deactivation – 98% Completed
  Milestone 4 - Balance of Site Facilities Demolition – 38 of 47 Facilities Completed and Areas Restored (81%)
Main Plant Process Building Deactivation (MPPB) – Milestone 3

- Five crews are performing deactivation and decontamination in MPPB
  - Completed Asbestos-Containing Material (ACM) wall plaster material removal from the west wall of the Control Room (fourth floor).
    - Removed approximately 56,000 pounds of ACM.
    - Commenced post-abatement cleanup for obtaining final clearance samples.
  - Completed preparations for ACM removal in the east stairwell and continued in the former women’s locker room.

ACM removal from the fourth floor of the Main Plant

MPPB Details and Specifications

- Built between 1963 and 1966
- Processed spent fuel between 1966 and 1972
- 130 ft. X 270 ft. X 79 ft. high
- Extends 27 ft. below grade (General Purpose Cell)
- Walls range in thickness from 1 ft. – 6 ft. with most hot cells 3 ft. – 5 ft.
MPPB Details and Specifications

CPC = Chemical Process Cell
EDR = Equipment Decontamination Room
GOA = General Purpose Operating Aisle
GPC = General Purpose Cell
PMC = Process Mechanical Cell
MSM = Manipulator Repair Shop
MC = Miniature Cell
PCR = Process Chemical Room

PPC = Product Purification Cell
SRR = Scrap Remover Room
UPC = Uranium Product Cell
UWA = Upper Warm Aisle
VEC = Ventilation Exhaust Cell
XC1 = Extraction Cell 1
XC2 = Extraction Cell 2
XC3 = Extraction Cell 3

MPPB Focus Areas

<table>
<thead>
<tr>
<th>Area</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPC After GPC</td>
<td>New Scope</td>
</tr>
<tr>
<td>EDR After GPC</td>
<td>New Scope</td>
</tr>
<tr>
<td>GOA FRS</td>
<td>New Scope – Working</td>
</tr>
<tr>
<td>GPC Head End VHC</td>
<td>Completed – Demo’d</td>
</tr>
<tr>
<td>PMC Completed</td>
<td>Demo Ready</td>
</tr>
<tr>
<td>PPC Working</td>
<td></td>
</tr>
<tr>
<td>UEA Upper Extraction Aisle</td>
<td>Completed – Demo Ready</td>
</tr>
<tr>
<td>VEC Ventilation Exhaust Cell</td>
<td>Completed – Demo Ready</td>
</tr>
<tr>
<td>X1 Extraction Cell</td>
<td>Completed – Demo Ready</td>
</tr>
</tbody>
</table>

*This area was not removed during MPPB operations.*
New Work Scope

- **MPPB New Scope** (added when Main Plant demolition was deferred):
  - General Purpose Cell (GPC) Crane Room (GCR)/GPC Operating Aisle – Began stabilization (foaming) of wall penetrations. Performed video inspection of the cell contents using the bridge crane camera and lighting.
  - Product Purification Cell-South (PPC-S) – Completed setup of the Nitrocision® compressor and nitrogen tank in preparation for mockups. Performed vendor training with the crew on the Pen-Tek vacuum which will be used for aggressive decontamination.
  - Fuel Receiving and Storage (FRS) Facility – Commenced ACM removal activities on the piping in the south aisle.

Demolition of 7 Ancillary Support Structures – Milestone 3

- Four out of seven buildings have been completed:
  - Contact-Size Reduction Facility
  - Manipulator Repair Shop
  - Laundry Facility
  - Utility Room Extension (debris loadout continues)

- Next demolitions: **Schedule**
  - Main Plant Office August 8
  - Load-In Facility Sept. 26
  - Utility Room Jan. 8, 2020

*NOTE: Schedule subject to change*
Demolitions and Deactivations – Milestone 3

Removal Completed
Removal Planned for 2019
New Deactivation

Utility Room Extension Building
Demolition – Milestone 3

Approved for Public Release; Further Dissemination Unlimited
Balance of Site Facilities (BOSF) and Infrastructure – Milestone 4

- Performing deactivation to support removal of 47 Balance of Site Facilities
  - Completed demolition of Liquid Pretreatment System (LPS) building located in the NRC-Licensed Disposal Area and Utility Room Extension
    - Completing the installation of the permanent protective cover
  - Started Waste Tank Farm Equipment Shelter demolition
  - 38 facilities demolished and areas restored
- Reconfiguring infrastructure for facility demolition and future site needs
  - New electrical substation (Phase 2)
    - Connect to National Grid’s new 34.5 kV feed line

Inside view of LPS during demolition preparations
Upcoming Demolitions

- Chemical Process Cell – Waste Storage Area
- Main Plant Office Building