The Way Ahead
A Potential Path Forward Proposed by the WVDP Core Team

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WVDP Challenges

• Core Team formed to address technical roadblocks to EIS development
  – Challenges regarding agreement on long-term erosion modeling, performance assessment, etc., impact decisions on final end state for the:
    • State Licensed Disposal Area (SDA)
    • NRC Licensed Disposal Area (NDA)
    • Waste Tank Farm
WVDP Challenges (cont.)

- These challenges have:
  - Contributed to challenges in planning WVDP work and associated annual resource needs
  - Delayed decisions on the EIS

The Way Ahead

- Core Team collaboration has led to a possible alternative approach

Decide on Actions that Can be Completed Now

and

Defer Final Decisions on Actions that Cannot be Completed Now
What is “The Way Ahead?”

• Two-part strategy for continuing progress toward completing the cleanup at the WVDP
  – Part 1: Plan for an Enhanced Interim End State
  – Part 2: Develop a Preferred Alternative for the Draft Decommissioning and/or Long-Term Stewardship EIS

The Way Ahead – Part 1

• Plan for an Enhanced Interim End State: Move forward now with actions to address:
  - Interim actions at the NDA
  - Liquid remaining in the HLW tanks
  - Groundwater contamination on the site’s North Plateau
  - Options for the relocation of the HLW canisters
The Way Ahead – Part 1

- Plan allows critical work to progress
  - Reduces NDA groundwater infiltration
  - Eliminates residual liquids from the Waste Tank Farm
  - Addresses contaminated groundwater from the plume
  - Moves canisters one step closer to off-site disposal
  - Makes Process Plant demolition ready
The Way Ahead – Part 2

- Develop a Preferred Alternative for the Draft Decommissioning and/or Long-Term Stewardship EIS

- Remove the Process Plant and remaining ancillary facilities
- Defer final decisions on disposition of the State-Licensed Disposal Area (SDA), NRC-Licensed Disposal Area (NDA), Waste Tank Farm

The Way Ahead – Part 2

- Removal of the Process Plant reduces maintenance costs, allows for the source of the North Plateau Groundwater Plume to be addressed
- Deferral of final decisions on SDA, NDA and Waste Tank Farm and allows time for:
  - Further evaluation of erosion and engineered barrier performance
  - Possible development of new technologies
  - Development of disposal pathways for wastes that currently have no disposal path
  - Decay of radionuclides
    - Reduce future worker exposure for exhumation and above-ground storage options
- The Way Ahead does not preclude final closure options
The Way Ahead

**Interim End State**
- Process Plant decontaminated
- Monitor and pump & treat NPGP
- Monitor and maintain SDA, NDA, WTF
- Dispose of legacy waste
- Remove unneeded facilities

**Enhanced Interim End State**
- Process Plant decontaminated and demolition ready
- Evaluate canister relocation options
- Monitor and enhance containment of NPGP
- Install interim cover and controls on NDA
- Address liquid in WTF, monitor and maintain

**Preferred Alternative**
- Remove Process Plant and ancillary facilities
- Final remediation of plume
- Leaves only three major facilities/units: SDA, NDA, WTF
- Does not preclude final closure options

**Final Actions**
- Revisit SDA, NDA and WTF
- Implement final decisions

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**Key**
- NDA - NRC-licensed Disposal Area
- NPGP - North Plateau Groundwater Plume
- SDA - State-licensed Disposal Area
- WTF - Waste Tank Farm

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The Way Ahead

- The new approach is based on…
  - Removing and disposing of as many facilities and as much waste as possible \textbf{now}
  - Containing contamination
  - Deferring final decisions on the disposal areas and Waste Tank Farm, but…
    - Taking steps (drying tanks, improving water infiltration controls) to ensure containment
    - Establishing an interim monitoring and maintenance program
    - Formalizing process for review and future decision making on remaining facilities

- All work will be performed in accordance with applicable laws and regulations