

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



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WVDP Challenges (cont.)

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



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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**



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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



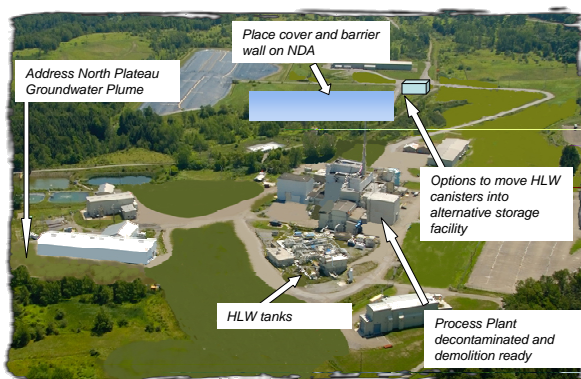
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The Way Ahead – Part 1

- 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



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Interim End State

Enhanced Interim End State

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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

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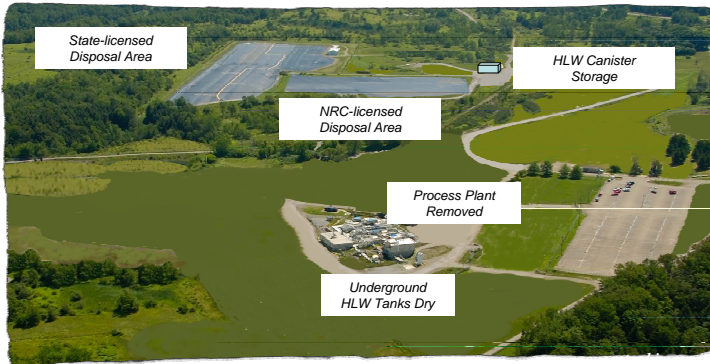
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The Way Ahead – Part 2

- 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



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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



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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

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 **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



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