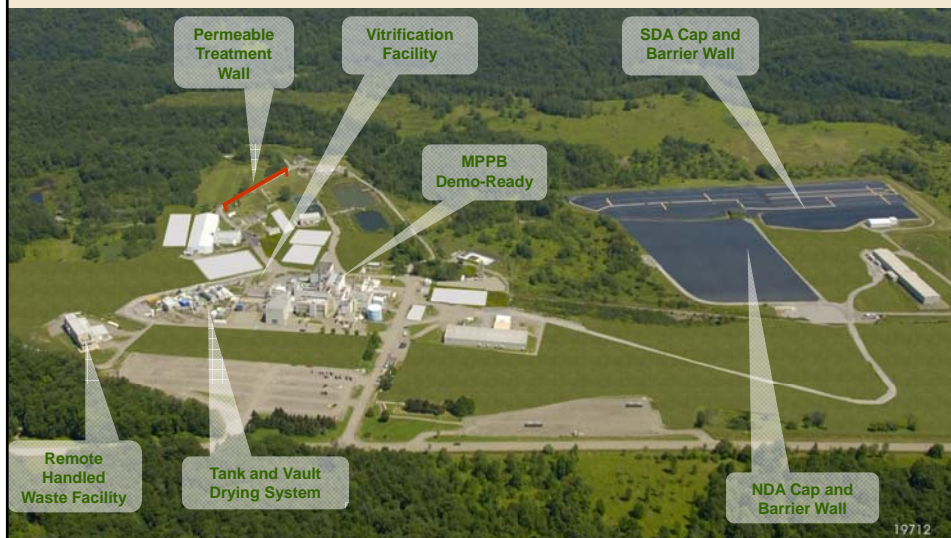


**Record of Decision
for Decommissioning and/or
Long-Term Stewardship at the
West Valley Demonstration Project and
Western New York Nuclear Service Center**

Bryan Bower
U.S. Department of Energy
West Valley Demonstration Project

April 28, 2010
20569_1

What was the “Starting Point” for this EIS?



What was the Proposed Action?

The Proposed Action in this EIS was the completion of the West Valley Demonstration Project (WVDP) and the decommissioning and/or long-term management or stewardship of the Western New York Nuclear Service Center (WNYNSC)

- DOE proposed to decontaminate and decommission tanks and other WNYNSC facilities in which high-level radioactive waste (HLW) solidified under the WVDP is stored, the facilities used to solidify the waste, and any material or hardware used in connection with the project, in accordance with the WVDP Act.
- NYSERDA must determine how the facilities and property it is responsible for will be managed or decommissioned.
- Three action alternatives for achieving the Proposed Action were considered in the Draft EIS in addition to the potential impacts of No Action.

What Action Alternatives were Examined?

- Complete removal of all facilities and contaminated soil, allowing unrestricted land use

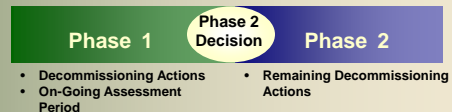


- Close-in-place facilities that could provide for partial release of the land, with possible long-term license management agreement



▪ Preferred Alternative

- Phased decisionmaking, decommissioning and/or long-term stewardship decisions in two phases



What is the Record of Decision?

- Phased Decisionmaking

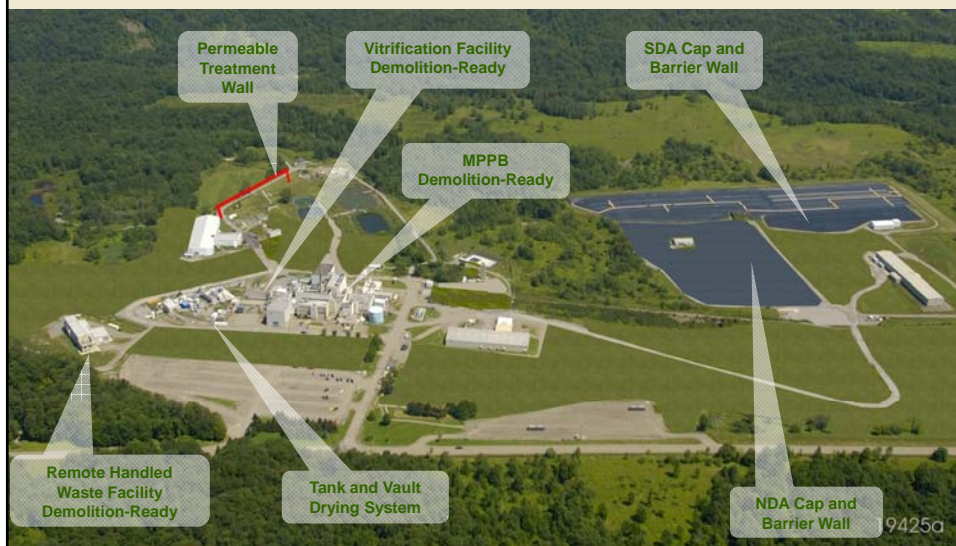
- Phase 1

- Remove major facilities such as the Main Plant Process Building and waste water treatment lagoons
 - Remove contamination source area for the North Plateau Groundwater Plume
 - Allow up to 10 years for collection and analysis of data and information on major facilities or areas
 - Make decision on Phase 2 (decommissioning of remainder of WVDP and WNYNSC) within 10 years of issuance of the Phase 1 Record of Decision by the Department of Energy and a Findings Statement by the New York State Energy Research and Development Authority

- Phase 2

- Final decommissioning decision on remaining NRC-licensed facilities
 - NYSERDA decision on the management of the SDA

Phase 1 Decommissioning



Basis for the Decision

- During Phase 1, the following actions will occur:
 - A number of major facilities, including the Main Plant Process Building and water treatment lagoons, will be removed.
 - The source area of the North Plateau Groundwater Plume will be removed.
 - Numerous ancillary facilities will be removed.
- Phased Decisionmaking allows up to 10 years for collection and analysis of data and information on the Waste Tank Farm, the NRC-licensed Disposal Area and the State-licensed Disposal Area, with the objective of reducing technical risk associated with implementation of the Phase 2 action
- During Phase 1, it is anticipated that progress would be made in the following areas:
 - Identifying and developing disposal facilities for orphan waste if removal actions are selected as part of Phase 2,
 - Establishment of improved close-in-place designs if close-in-place is selected, and
 - Improved analytical models for long-term performance assessment.

Public Involvement in Phase 2 Decision?

- Quarterly Public Meeting
- West Valley Citizen Task Force
- Input on developing studies for better informed Phase 2 Decisionmaking
- Public participation in required future National Environmental Policy Act (NEPA) and State Environmental Quality Review Act (SEQRA) processes for the Phase 2 decision

Timeline

