



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

The Path to Success Beyond Phase 1 Facility Disposition

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Where we are . . .



and where we are going.



Decision Making Process

In 2010, DOE published the Final Environmental Impact Statement and Record of Decision (ROD) for Decommissioning and/or Long-Term Stewardship at the West Valley Demonstration Project (WVDP) and the Western New York Nuclear Service Center (WNYNSC)

▪ Phased Decisionmaking ROD
2010

▪ Final Decommissioning ROD
2020

Phase 1 Decommissioning

Phase 1 Facility Disposition 2011 - 2020

Current scope of CHBWV,
Includes demolition of most facilities

Phase 1 Soil Remediation 2020 start

- Remove Below Grade Portion of MPPB (including source area of strontium plume) and Vit Facility
- Remove RHWF, Lagoons
- Ship Legacy TRU Waste
- Remediate WMA 1 & 2 Soil

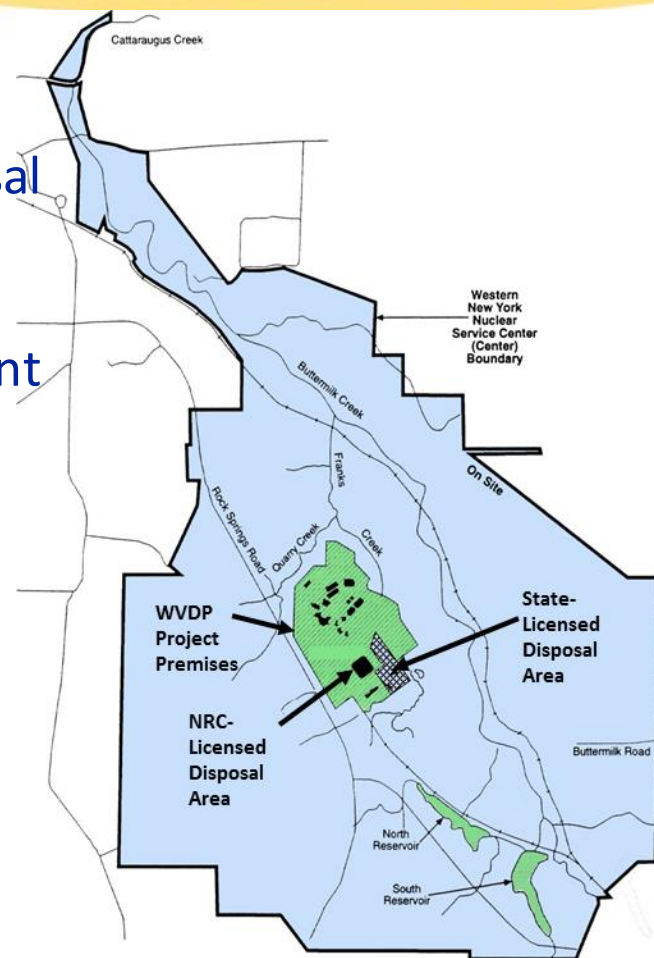
Phase 2 Decommissioning (Decisions made by 2020)

Phase 2 Decisions

Decisions for disposition of remaining facilities :

- Waste Tank Farm
- NRC-licensed Disposal Area (NDA)
- State-licensed Disposal Area (SDA)
- Construction Demolition Debris Landfill

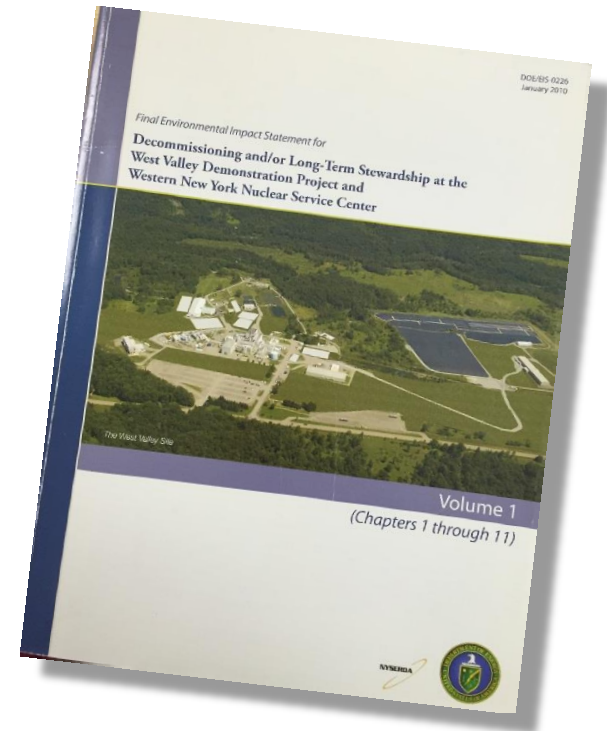
- Conduct additional studies on issues such as erosion and potential for exhumation of disposal areas (2011-2018) – ongoing since 2011
- Perform a Probabilistic Performance Assessment (PPA) (2015-2018) - underway (Neptune and Company, Inc.)
- Prepare a Supplemental Environmental Impact Statement (SEIS) – RFP issued, proposals due early September 2016
- Prepare a Phase 2 Decommissioning Plan (DP)



WVDP Project Premises within the Western New York Nuclear Service Center

Supplemental Environmental Impact Statement (2016-2020)

- Will be a joint DOE/NYSERDA SEIS
 - Support federal NEPA and state SEQRA requirements
 - Fulfill commitment to an integrated Phase 2 decommissioning decision approach for the WVDP, WNYNSC, and SDA
- Will incorporate the long-term PPA
- NRC, EPA, NYSDEC, and NYSDOH are cooperating agencies
- NRC will review the SEIS and aims to adopt the SEIS to fulfill NRC's NEPA responsibilities under the WVDP Act
- NRC will perform an independent long-term performance assessment



2010 FEIS

Phase 2 Decommissioning Plan (DP) Approach (2017-2020):

- The DOE DP will address the WVDP Project Premises and soil and streambed contamination within the WNYNSC Retained Premises
- NRC will review and analyze DOE's DP against the NRC decommissioning criteria consistent with the WVDP Act and the 1981 DOE/NRC Memorandum of Understanding



WVDP Waste Tank Farm



NRC-Licensed Disposal Area

DOE Decision Making Process – Parallel Track Approach

