

West Valley Demonstration Project

Draft Phase 1 Decommissioning Plan

Structure and Organization of Chapters and Appendices

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U.S. Department of Energy
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Phase 1 Decommissioning Plan

The following presentation is based upon data and analysis associated with the presumptive Preferred Alternative in the Draft Environmental Impact Statement for Decommissioning and/or Long-Term Stewardship at the West Valley Demonstration Project and Western New York Nuclear Service Center, which is still under development. To the extent the presumptive Preferred Alternative is either modified or changed during the course of the NEPA process, the information contained within this presentation may correspondingly change.



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Phase 1 Decommissioning Plan

Why?

WVDP
Act

DOE/NRC
MOU

Decommissioning Plan (DP)

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Phase 1 Decommissioning Plan

Scope

- Proposed action is the EIS phased decision-making alternative
- Decommissioning Plan starting point will be consistent with EIS
- Phased Decommissioning Plan to support the phased decommissioning of the WVDP
- Phase 1 Decommissioning will be completed in a manner that ensures all decommissioning options (ongoing license, restricted release, unrestricted release) are available for Phase 2 actions

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Phase 1 Decommissioning Plan

- Phased Decisionmaking

Scope

- Phase 1

- Removal of the Main Plant Process Building (MPPB), Vitrification Facility and underlying source area of the North Plateau Groundwater Plume (NPGP)
- Removal of Lagoons 1 – 5, Neutralization Pit and Interceptors
- Removal of remaining WVDP facilities (Remote Handled Waste Facility, Lag Storage Area 4), building slabs, and soil beneath the slabs to a prescriptive end state depth of up to two feet
- Characterization and potential remediation of surface soils and stream sediment within the Project Premises outside of the Phase 2 areas (Waste Tank Farm, NRC-licensed Disposal Area [NDA], non-source area of the NPGP and associated NPGP-impacted areas)
- Waste Tank Farm, NDA, and non-source area of the NPGP to be monitored and maintained in a safe condition



Phase 1 Decommissioning Plan

Chapters

- Executive Summary
- 1 Introduction
- 2 Facility Operating History
- 3 Facility Description
- 4 Radiological Status of Facility
- 5 Dose Modeling
- 6 ALARA Analysis
- 7 Planned Decommissioning Activities
- 8 Quality Assurance
- 9 Facility Radiation Surveys

Contents

Appendices

- A Annotated DP Checklist
- B Additional Environmental Radioactivity Data
- C Dose Modeling Supporting Details
- D Engineering Barriers, Post-Remediation Activities



Phase 1 Decommissioning Plan Process

Process

- DOE
 - Submits Decommissioning Plan to NRC and publishes Federal Register Notice, making Decommissioning Plan available for public inspection
- NRC
 - Performs completeness review of the Decommissioning Plan
 - Performs detailed review of Decommissioning Plan
 - Issues Request for Additional Information (RAI), if necessary
- DOE
 - Responds to RAI
 - RAIs and DOE responses to RAIs will be made available for public inspection
- NRC
 - Issues Technical Evaluation Report (TER) for Phase 1 Decommissioning Plan
- DOE
 - Publishes a Federal Register Notice and makes TER available for public inspection



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Phase 1 Decommissioning Plan

Public Involvement

- Public Involvement Opportunities
 - Meetings between DOE and NRC on the Phase 1 Decommissioning Plan will be noticed and open to the public
 - Meetings will include opportunities for the public to share its views at designated times
 - Six-month public comment period on the DEIS
 - Phase 1 Decommissioning Plan made available for public inspection upon submittal by DOE
 - RAIs and RAI responses made available for public inspection
 - TER and NRC comments/objections to Decommissioning Plan made available for public inspection upon receipt by DOE



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Phase 1 Decommissioning Plan Process

- DOE
 - Conducts remediation in accordance with the Phase 1 Decommissioning Plan
- NRC
 - Conducts in-process monitoring
- DOE
 - Submits Final Status Survey Report demonstrating that cleanup levels in Decommissioning Plan have been met
- NRC
 - Reviews Final Status Survey Report and conducts confirmatory survey, if needed



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What's Next?

Dec 08	<ul style="list-style-type: none"> ▪ DEIS Notice of Availability published in Federal Register; Notice of Completion published in state Environmental Notice Bulletin ▪ DOE submits DP to NRC and publishes Federal Register Notice making DP available for public inspection
Dec 08 – Mar 09	<ul style="list-style-type: none"> ▪ NRC Acceptance Review of DP
Dec 08 – Jun 09	<ul style="list-style-type: none"> ▪ Six-month public comment period of DEIS
Mar – Sep 09	<ul style="list-style-type: none"> ▪ NRC reviews DP and issues Requests for Additional Information (RAI)
Jun – Oct 09	<ul style="list-style-type: none"> ▪ DOE responds to RAI
Jun – Dec 09	<ul style="list-style-type: none"> ▪ NRC prepares Technical Evaluation Report (TER)
Nov 09	<ul style="list-style-type: none"> ▪ Final EIS
Dec 09	<ul style="list-style-type: none"> ▪ NRC transmits TER on DP ▪ EIS Record(s) of Decision and Statement of Findings

DEIS
DP



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