



Department of Energy
Ohio Field Office
West Valley Demonstration Project
10282 Rock Springs Road
West Valley, NY 14171-9799

Tim / Jack P.
M-32

October 8, 1999

Mr. Larry W. Camper
United States Nuclear Regulatory Commission
TWFN, Room 8 F28, MS-8 F5
Washington, DC 20555-0001

SUBJECT: Upcoming West Valley Demonstration Project (WVDP) Deliverables for
U.S. Nuclear Regulatory Commission (NRC) Review

REFERENCE: Letter DWS:073 - 66637, B. A. Mazurowski to J. T. Greeves, "Nuclear
Regulatory Commission (NRC) Publicly Notice Meeting August 12, 1999,"
dated August 27, 1999

Dear Mr. Camper:

As we discussed at our August 12, 1999, meeting, I have prepared and enclosed a list of documents the WVDP will be completing and forwarding to you for advice and consultation. The enclosed is arranged in order of priority and indicates estimated delivery dates to NRC for your review. Additionally, I have included when input from NRC is desired and Ohio Field Office West Valley Demonstration Project's (OH/WVDP) expectations as it relates to NRC's input. Absent from the enclosures are any details on Environmental Impact Statement (EIS) deliverables planned for NRC review. At the present time DOE is resolving internal issues related to EIS milestones. This is planned to be completed in the near future. Once that effort is complete, I will update the enclosed document and resubmit to NRC.

If you have any questions, please contact me at (716) 942-4068.

Sincerely,

Barbara A. Mazurowski

Barbara A. Mazurowski, Director
West Valley Demonstration Project

- Enclosures: 1. Assessment of NRC Priorities
2. List of Anticipated Deliverables

cc: See Page 2

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DWS/sdm

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Mr. Larry W. Camper

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cc: A. R. Griffith, DOE-HQ, EM-65, 2086/CLOV, w/enc.
D. G. Huizenga, DOE-HQ, EM-60, 5B-086/FORS, w/enc.
M. E. Rawlings, DOE-HQ, EM-32, 1192/CLOV, w/enc.
S. R. Brechbill, OH/OOM, OSE, Room 419, w/enc.
P. L. Piciulo, NYSERDA, WV-17, w/enc.
J. M. Gramling, WVNS, AOC-09, w/enc.
J. T. Greeves, NRC, TWFN, Room 7 E53, MS-7 J8, w/enc.
W. F. Kane, NRC, OWFN, Room 6 D1, MS-6 F18, w/enc.

DWS:077 - 67432 - 451.5.2e

DWS/sdm

ASSESSMENT OF U.S. NUCLEAR REGULATORY COMMISSION (NRC) PRIORITIES

Support from the NRC is expected to draw on resources from three different organizations within the Office of Nuclear Material Safety and Safeguards, including the Spent Fuel Project Office, the Decommissioning Projects Branch within the Division of Waste Management, and the Division of Fuel Cycle Safety and Safeguards.

The overall priority for NRC support of West Valley Demonstration Project (WVDP) activities at this time is the immediate resolution of full versus half-load spent fuel shipments, followed by timely review and approval of the cask recertification documents for the Transnuclear Big Rock Point (TN-BRP) and Transnuclear Robert E. Ginna (TN-REG) casks (Certificate of Compliance No. 9202 and 9206, respectively). These documents are currently scheduled to be provided to the NRC in March 2000. NRC support for WVDP fuel shipment comes from the Spent Fuel Project Office.

In the Division of Waste Management, Decommissioning Projects Branch, the most important effort supporting West Valley at this time is the completion of the Decommissioning Criteria Draft Policy Statement for Commission review. The next most significant activity in this area will be in the June 2000, time frame when the WVDP plans to submit its position on high-level waste (HLW) tank waste removal and classification. Closure of this issue is critical because of the limited remaining lifespan of the HLW melter.

Documents pertaining to the construction and operation of a Remote Handled Waste Facility (RHWF) will be provided to the NRC for review and comment. Specifically, a Preliminary Safety Analysis Report (PSAR) is currently scheduled to be provided to the NRC in May 2000, with the expectation that an NRC Safety Evaluation Report can be provided to the WVDP in August 2000. This expedited review is required to meet the construction schedule for this critical project. Additionally, the Final Safety Analysis Report (FSAR) for the RHWF will be provided to the NRC for review and comment in May 2002.

Documents pertaining to ongoing Environmental Impact Statement (EIS) process for West Valley will be provided to the NRC for review and/or information. However, a specific listing of those documents is unavailable at this time, pending resolution of internal issues. Based on DOE's understanding of the NRC's role in this process, these documents would be provided to the NRC for review or information only, rather than review and approval. Therefore, NRC support in the Decommissioning Projects Branch is seen to be more critical for completion of the decommissioning criteria policy notice and review of the HLW tank waste removal and classification position.

Finally, the WVDP will continue to provide annual updates of Project SAR's to the NRC for information. It is not anticipated that these submittal's, which have been provided to the NRC over the course of the Project, will require a significant commitment of resources. Therefore, reviews of these submittal's should be considered of a lower priority for NRC in terms of resource allocation and support than the activities noted above.

**LIST OF ANTICIPATED DELIVERABLES
TO BE PROVIDED TO
U.S. NUCLEAR REGULATORY COMMISSION (NRC) FOR
INFORMATION AND/OR REVIEW**

WEST VALLEY DEMONSTRATION PROJECT SPENT FUEL PROGRAM:

DOE OH/WVDP Deliverable to NRC: **TN-BRP, "Safety Analysis Report Revision for Full Load or Half Load/Damaged Fuel"**

Estimated Delivery Date to NRC: March 2000

Anticipated Response from NRC: NRC approval record and Certificate of Compliance are needed by November 2000, to support DOE-OH/WVDP Operational Readiness Review and January 2001, fuel shipment

Desired Date for NRC Approval: November 2000

DOE-WV Deliverable to NRC: **TN-REG, "Safety Analysis Report Revision for Full Load or Half Load/Damaged Fuel"**

Estimated Delivery Date to NRC: March 2000

Anticipated Response from NRC: NRC approval record and Certificate of Compliance are needed by November 2000, to support DOE-OH/WVDP Operational Readiness Review and January 2001, fuel shipment

Desired Date for NRC Approval: November 2000

HIGH LEVEL WASTE MANAGEMENT:

DOE-OH/WVDP Deliverable to NRC: **"Basis for HLW Removal Stopping Point"**

Estimated Delivery Date to NRC: June 2000

Anticipated Response from NRC: Letter of No Objection for the reclassification of the high-level waste tank residuals to incidental waste.

Desired Date for NRC Response: September 2000

**LIST OF ANTICIPATED DELIVERABLES
TO BE PROVIDED TO
U.S. NUCLEAR REGULATORY COMMISSION (NRC) FOR
INFORMATION AND/OR REVIEW**

WVDP SAFETY DOCUMENTATION:

DOE-OH/WVDP Deliverable to NRC: **WVNS-SAR-002, "Low-Level Waste Processing and Support Activities," Addendum for Decontamination of Main Plant Head End Cells.**

Estimated Delivery Date to NRC: September 2000

Anticipated Response from NRC: In accordance with the Memorandum of Understanding between the DOE and NRC, before substantial construction or modification of structures, systems or components, the DOE will submit a Safety Analysis Report to the NRC for independent review. As in the past, DOE anticipates NRC preparing a Safety Evaluation Report for submittal to DOE.

Desired Date for NRC Response: December 2000

DOE-OH/WVDP Deliverable to NRC: **WVNS-PSAR-xxx, "Remote Handled Waste Facility**

Estimated Delivery Date to NRC: May 2000

Anticipated Response from NRC: August 2000

Desired Date for NRC Response: In accordance with the Memorandum of Understanding between the DOE and NRC, before substantial construction or modification of structures, systems or components, the DOE will submit a Safety Analysis Report to the NRC for independent review. As in the past, DOE anticipates NRC preparing a Safety Evaluation Report for submittal to DOE.

DOE-WV Deliverable to NRC: **WVNS-FSAR-xxx, "Remote Handled Waste Facility"**

Estimated Delivery Date to NRC: May 2002

**LIST OF ANTICIPATED DELIVERABLES
TO BE PROVIDED TO
U.S. NUCLEAR REGULATORY COMMISSION (NRC) FOR
INFORMATION AND/OR REVIEW**

Anticipated Response from NRC: In accordance with the Memorandum of Understanding between the DOE and NRC, before substantial construction or modification of structures, systems or components, the DOE will submit a Safety Analysis Report to the NRC for independent review. As in the past, DOE anticipates NRC preparing a Safety Evaluation Report for submittal to DOE.

Desired Date for NRC Response: October 2002

WEST VALLEY ENVIRONMENTAL IMPACT STATEMENT:

NRC Current Action

1. NRC Policy Notice on Decommissioning Criteria for West Valley (NRC Action)

Anticipated Deliverables to NRC (Dates TBD)

1. Responses to NRC Comments on West Valley Erosion Modeling and Conceptual Approach to Performance Assessment Outline;
2. Performance Assessment and Analysis Prepared for Next NEPA Document;
3. Revision of Landscape Evolution Model and Resulting Analyses and Conclusions; and
4. Next NEPA Document.

Potential Deliverables to NRC (Dates TBD)

1. Comprehensive Performance Assessment Document;
2. Cost-Benefit Analysis; and
3. Preferred Alternative Justification Write-up.

ANTICIPATED WVDP DELIVERABLES TO NRC

CY 1999		CY 2000				CY 2001				CY 2002			
3rd Q	4th Q	1st Q	2nd Q	3rd Q	4th Q	1st Q	2nd Q	3rd Q	4th Q	1st Q	2nd Q	3rd Q	4th Q
WVDP SPENT FUEL PROGRAM		TN-BRP, "Safety Analysis Report Revision for Full Load or Half Load / Damaged Fuel" [REDACTED]											
		TN-REG, "Safety Analysis Report Revision for Full Load or Half Load / Damaged Fuel" [REDACTED]											
		HIGH LEVEL WASTE MANAGEMENT		"Basis for HLW Removal Stopping Point" [REDACTED]									
WVDP SAFETY DOCUMENTATION						WVNS-SAR-002, "Low-Level Waste Processing and Support Activities," Addendum for Decontamination of Main Plant Head End Cells [REDACTED]							
						WVNS-PSAR-xxx, "Remote Handled Waste Facility" [REDACTED]							
										WVNS-FSAR-xxx, "Remote Handled Waste Facility" [REDACTED]			
KEY													
[REDACTED] Indicates NRC Review Period													