



Department of Energy  
National Nuclear Security Administration  
Nevada Site Office  
P.O. Box 98518  
Las Vegas, NV 89193-8518



JUL 06 2010

Bryan C. Bower, DOE-WVDP Director, West Valley, NY

APPROVAL TO SHIP WEST VALLEY ENVIRONMENTAL SERVICES (WVES) LOW-LEVEL RADIOACTIVE WASTE TO THE NEVADA TEST SITE (NTS)

WVES has completed the waste profile approval process described in the Nevada Test Site Waste Acceptance Criteria (NTSWAC), Revision 7-01. The National Nuclear Security Administration Nevada Site Office (NNSA/NSO) has reviewed and commented on the following waste profile:

| <u>Waste Profile</u> | <u>Revision and Date</u> | <u>Description</u>                          |
|----------------------|--------------------------|---|
| WVDP-000000021       | Rev. 1, 05/24/2010       | Vitrification Melter – Pending WIR Approval |

NNSA/NSO conditionally approves the shipment and disposal of the subject waste stream under the requirements of the NTSWAC, Revision 7-01, and the WVES Waste Certification Program. The enclosure lists the current WVES approvals and supersedes all previous approval memoranda.

**Conditional Approval:** Waste will be accepted only if it is determined to be waste incidental to reprocessing (WIR) in accordance with DOE Order 435.1. WVES must notify NTS at least 90 days prior to shipment.

Prior to initiating shipment of this waste stream, please notify National Security Technologies, LLC (NSTec) Disposal Operations personnel at (702) 295-6811 with a planned shipping date. NSTec will ensure sufficient disposal capacity is available and provide the necessary equipment and personnel for disposal activities.

If you have any questions or comments, please contact James J. Cebe, Waste Management Project, at (702) 295-0957.

E. Frank Di Sanza  
Federal Project Director  
Waste Management Project

WMP:6577.JJC

Enclosure:  
As stated

cc w/encl. via e-mail:

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NNSA/NSO Read File

## Nevada Test Site Approval Status - 06/30/2010

West Valley Environmental Services (WVDP), West Valley, New York

### WASTE STREAM(s)

| <u>Waste Profile Number</u> | <u>Revision # and Date</u> | <u>Current Approval Date</u> | <u>Waste Profile Name</u>                                |
|-----------------------------|----------------------------|------------------------------|--|
| WVDP-000000001              | 3 11/21/2005               | 12/23/2005                   | VEMP Airborne Contaminated Material                      |
| WVDP-000000003              | 9 06/09/2003               | 07/23/2009                   | FRS Debris and Filters                                   |
| WVDP-000000004              | 0 12/30/2003               | 03/04/2004                   | Condensate Tank Debris                                   |
| WVDP-000000006              | 2 12/15/2005               | 03/02/2006                   | Glass & Slurry Contaminated Debris <sup>1,3</sup>        |
| WVDP-000000008              | 0 09/20/2004               | 11/30/2004                   | Sodium Bearing Waste                                     |
| WVDP-000000010              | 1 11/13/2006               | 11/21/2006                   | Product Purification Cell-South Low Density Waste        |
| WVDP-000000012              | 4 07/14/2009               | 07/31/2009                   | Extraction Cell #2 Low Density Waste <sup>2</sup>        |
| WVDP-000000013              | 7 06/15/2009               | 10/05/2009                   | Contaminated Concrete and General Debris <sup>2,3</sup>  |
| WVDP-000000014              | 3 07/01/2009               | 07/29/2009                   | Head End Cell Debris <sup>3</sup>                        |
| WVDP-000000015              | 3 06/16/2009               | 07/23/2009                   | CPC Jumpers and General Debris <sup>3</sup>              |
| WVDP-000000016              | 0 10/17/2005               | 11/14/2005                   | LLW Contaminated Soil and Debris <sup>2,3</sup>          |
| WVDP-000000018              | 1 11/17/2006               | 12/14/2006                   | Drum Cell Cement Solidified Waste                        |
| WVDP-000000019              | 3 06/09/2009               | 07/31/2009                   | Solidified UNH Cement Waste Form <sup>2,4</sup>          |
| WVDP-000000020              | 0 08/07/2007               | 08/20/2007                   | High Alpha Debris  |
| WVDP-000000021              | 1 05/24/2010               | Cvr Ltr Date                 | Vitrification Melter - Pending WIR Approval <sup>5</sup> |

<sup>1</sup> WVDP-000000006: West Valley must notify NTS Operations when packages are greater than 100 mR at 30 cm.

<sup>2</sup> Shipments containing tritium (H-3) should arrive at the Nevada Test Site no later than 1200 hours to allow ample time for off loading, survey, and swipe analysis.

<sup>3</sup> Packages containing lead liners must be marked "Contains Lead Liner" on the outside of the package. NTS Operations must be notified prior to shipping any container which contains lead shielding. For lead shielded containers that have been evaluated per SOP 300-07, *Waste Generation, Packaging, and On-Site Transportation*, Appendix Q, Use of Lead Shielding, please provide the Microshield® calculations to Jim Cebe of NNSA/NSO at least seven (7) days in advance of waste shipment.

- <sup>4</sup> WVDP-000000019: Please provide a two week notice to NSTec Operations and RWAP Manager prior to shipping waste related with this profile when utilizing end dump trailers.
- <sup>5</sup> WVDP-000000021: This waste will be accepted for disposal only if the waste is determined to be Waste Incidental to Reprocessing (WIR) in accordance with DOE Order 435.1. West Valley must notify NTS Operations at least 90 days prior to shipment of this waste stream. This will allow ample time for NTS Operations to develop a detailed lift plan for this heavy waste stream.

#### **WASTE CERTIFICATION PROGRAM**

| <u>WCPP - QAP Designation</u> | <u>Revision</u> | <u>and Date</u> | <u>WCPP - QAP Title</u>                      |
|-------------------------------|-----------------|-----------------|--|
| WVDP-339                      | 15              | 01/25/10        | Radioactive Waste Certification Program Plan |

**NIC Rev Date:** 01/25/2010

**NIC Revision Due:** 01/25/2011

#### **ASSESSMENT STATUS**

Last RWAP Facility Evaluation:      Scheduled Biennial Audit:  
RWAP-A-09-01, 10/08