



Department of Energy

Idaho Operations Office  
West Valley Project Office  
P.O. Box 191

West Valley, NY 14171

October 1, 1991

Gary C. Comfort  
U.S. Nuclear Regulatory Commission  
Headquarters  
Washington, DC 20555

SUBJECT: Update information for the West Valley Cement  
Waste Form Qualification Notebook

Dear Sir:

In accordance with our meeting with you, Mary Adams, and others on August 29, 1991, enclosed are five copies of an "official" update of information to be entered into your West Valley Waste Qualification "Notebook." For your convenience we have also enclosed preprepared "tabs."

As indicated in the WVNS transmittal to DOE, seven of the documents are currently under "engineer release." These are the Test Requests, Procedures and Reports, the other two items (not under "release") are the Test Plan and ACM-4801. Mary Adams requested the ACM for information since it is referenced in some of the test procedures. Finally an extra copy of the one-page "flow chart" summarizing the testing activities is enclosed for convenience as well.

If you have questions please call me on FTS 472-4314.

Sincerely,

*W. S. Ketola*

W. S. Ketola  
Technology Manager  
West Valley Project Office

Enclosures

WSK:048:91 - 1614:91:10

WSK/mls

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September 25, 1991

Mr. T. J. Rowland, Director  
West Valley Project Office, MS-DOE  
U.S. Department of Energy  
P.O. Box 191  
West Valley NY 14171-0191

Dear Mr. Rowland:

Attention: W. S. Ketola

SUBJECT: Transmittal of Documentation to NRC, Sludge Wash Cement Waste Form

The following packet contains nine documents, of which seven are engineer released (ER) on Sludge Wash Cement Qualification. The engineering released documents are three test procedures (WVNS-TP-028A, WVNS-TP-028B and WVNS-TP-034), two test summary reports (WVNS-TSR-029 and WVNS-TSR-025), one test request (WVNS-TRQ-034) and one test plan (WVNS-TPL-70-11). Test procedure WVNS-TP-028A and test plan WVNS-TPL-70-11 have had engineering change notices (ECNs) made to the original engineer released documents. These engineering changed documents shall supersede any previous documentation having the same engineering release (ER) number.

Also contained is the Analytical and Chemistry Method (ACM) for "Cement Test Cube Preparation" and the flowchart for Waste Form Qualification Program for Sludge Wash Liquid. This flowchart is a diagram which links the Waste Form Qualification Program For Cement Solidification Of Sludge Wash Liquid Test Plan WVNS-TPL-70-11 to the various test requests, test procedures and final test summary reports. The Analytical and Chemistry Method was requested by the NRC in conjunction with test procedure WVNS-TP-025.

The test request WVNS-TRQ-028 is being performed in two stages, test procedures WVNS-TP-028A and WVNS-TP-028B. This is the reason why WVNS-TRQ-028 has no "A" or "B" designation.

This completes the requests made by the NRC on August 29, 1991 in Washington, DC to West Valley Nuclear Services.

Very truly yours,

*L. E. Michnik*  
L. E. Michnik, Scientist  
Analytical and Process Chemistry  
West Valley Nuclear Services Co., Inc.

*R. A. Palmer*  
R. A. Palmer, Manager  
Analytical and Process Chemistry  
West Valley Nuclear Services Co., Inc.

LEM/djs  
Attachments

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Attachments:

WVNS-TPL-70-11, "For the Waste Form Qualification Program For Cement Solidification of Sludge Wash Liquid",  
Rev. 1 per ER #2044 and EON #4524

WVNS-TP-028A, "Procedure for Development of Process Control Parameters for Cement Solidification of Sludge Wash Liquids",  
Rev. 1 per ER #2076 and EON #4429

WVNS-TP-028B, "Water to Cement Variance in Simulated Sludge Wash",  
Rev. 0 per ER #2191

WVNS-TSR-029, "Cement Product from Actual Sludge Wash Liquid",  
Rev. 0 per ER #2149

WVNS-TSR-025, "Waste Form Qualification for Cement Solidification of Sludge Wash Liquids", Rev. 0 per ER #2157

WVNS-TP-034, "Confirmatory Cube", Rev. 0 per ER #2163

WVNS-TPQ-034, "Production of Cement Product From Actual Laboratory Sludge Wash Liquid", Rev. 0 per ER #2137

ACM-CUBE-4801 "Cement Test Cube Preparation Method", Rev. 5

Waste Form Qualification Program for Sludge Wash Liquid "flowchart"