



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

June 30, 2010

Dr. Keith I. McConnell, Deputy Director  
Decommissioning and Uranium Recovery Licensing Directorate  
Division of Waste Management and Environmental Protection  
Office of Federal and State Materials and Environmental Management Programs  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

SUBJECT: Response to U.S. Nuclear Regulatory Commission (NRC) Request Regarding  
Groundwater Modeling to Support Design of the Proposed Permeable Treatment  
Wall (PTW) on the North Plateau

Dear Dr. McConnell:

This letter transmits the data files requested by your staff in response to the NRC's request regarding groundwater modeling conducted as part of the design of a PTW for installation on the North Plateau portion of the West Valley Demonstration Project (WVDP) site. The data files were used with a groundwater flow model (MODFLOW) which is available through the United States Geological Survey.

It should be noted that the computer files on the enclosed Compact Disk (CD) and the associated groundwater modeling were developed specifically to support the design of the proposed PTW on the North Plateau at the WVDP. The model and files should not be utilized beyond their intended use in the vicinity of the proposed permeable treatment wall.

**For Further Information**

Please refer any questions about this submittal to Moira Maloney of my staff at 716-942-4255. For additional information on the proposed PTW, please contact Mark Bellis of my staff at 716-942-4814.

Sincerely,

Bryan C. Bower, Director  
West Valley Demonstration Project

Enclosure: 1. CD of West Valley MODFLOW Groundwater Flow Model - AMEC,  
October 2009

cc: C. Glenn, NRC, w/o enc.

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