

June 11, 2009

Mr. Jeffrey R. Williams, Manager
Licensing Support
US Department of Energy
Office of Civilian Radioactive
Waste Management, RW-6
1000 Independence Avenue, SW
Washington, DC 20585

SUBJECT: YUCCA MOUNTAIN - REQUEST FOR ADDITIONAL INFORMATION- SAFETY EVALUATION REPORT, VOLUME 3—POSTCLOSURE CHAPTER 2.2.1.3.6, SET 2 - FLOW PATHS IN THE UNSATURATED ZONE - (DEPARTMENT OF ENERGY'S SAFETY ANALYSIS REPORT SECTIONS 2.3.2, 2.3.3, AND 2.3.5)

Dear Mr. Williams:

By application dated June 3, 2008, the Department of Energy (DOE) requested the U.S. Nuclear Regulatory Commission (NRC) approval of a construction authorization.

NRC staff has reviewed the information provided in your submittal and determined that additional information is required in order to complete its review. Questions in the enclosed request for additional information (RAI) were e-mailed on June 1, 2009, and discussed in a telephone call with Ms. Corinne Macaluso, et al., of your staff on June 9, 2009. This is RAI Set 2 of Safety Evaluation Report Chapter 2.2.1.3.6, Flow Paths in the Unsaturated Zone. The enclosure contains corrections to the RAIs that were discussed in the phone call. DOE stated that it plans to respond to RAI numbers 2, 3, 5, 6, 7, 8, and 10 by July 20, 2009, the date specified in NRC's June 1, 2009 e-mail, and to RAI numbers 1, 4, and 9 at a later date.

NRC staff considers that timely responses to RAIs help ensure sufficient time is available for staff review to meet its 10 CFR Part 2 schedule requirements and contribute toward the NRC's goal of efficient and effective use of staff resources. If circumstances result in the need to revise the requested response date, please contact me at (301) 492-3180.

Sincerely,

/RA/

John H. (Jack) Sulima, Project Manager
Project Management Branch Section B
Division of High-Level Waste Repository Safety
Office of Nuclear Material Safety and Safeguards

Docket No. 63-001

Enclosure: Request for Additional Information

cc: See enclosed list

Letter to J. Williams from J. Sulima dated: June 11, 2009

cc:

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John H. (Jack) Sulima, Project Manager
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