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January 19, 2010

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YUCCA MOUNTAIN - REQUEST FOR ADDITIONAL INFORMATION - SAFETY EVALUATION REPORT, VOLUME 3 - POSTCLOSURE CHAPTER 2.2.1.3.2, MECHANICAL DISRUPTION OF ENGINEERED BARRIERS, 3RD SET - (DEPARTMENT OF ENERGY'S SAFETY ANALYSIS REPORT SECTION 2.3.4)

Reference: Ltr, Sulima to Williams, dtd 12/14/2009, "Yucca Mountain – Request for Additional Information – Safety Evaluation Report, Volume 3 – Postclosure Chapter 2.2.1.3.2, Mechanical Disruption of Engineered Barriers, 3rd Set – (Department of Energy's Safety Analysis Report Section 2.3.4)"

The purpose of this letter is to transmit the U.S. Department of Energy's (DOE) responses to three (3) of the nine (9) Requests for Additional Information (RAI) identified in the above-referenced letter. The responses to RAI Numbers 2, 3, and 4 are provided as enclosures to this letter. DOE submitted the responses to RAI Numbers 5, 6, 8, and 9 on January 7, 2010; the response to RAI Number 7 on January 12; and expects to submit the remaining RAI response on or before January 27, 2010.

The DOE references cited in the RAI responses have previously been provided with the License Application (LA), the LA update, or as part of previous RAI responses. The reference provided with a previous RAI response is identified within the enclosed response reference section.

There are no commitments in the enclosed RAI responses. If you have any questions regarding this letter, please contact me at (202) 586-9620, or by email to jeff.williams@rw.doe.gov.

Jeffrey R. Williams, Supervisor
Licensing Interactions Branch
Regulatory Affairs Division
Office of Technical Management

OTM:CJM-0237

Enclosures (3):

Responses to RAI Volume 3, Chapter 2.2.1.3.2, Set 3, Numbers 2 through 4

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