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Washington, DC 20585

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ATTN: Document Control Desk

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YUCCA MOUNTAIN - REQUEST FOR ADDITIONAL INFORMATION (RAI) –VOLUME 2,
CHAPTER 2.1.1.1 SECOND SET (DEPARTMENT OF ENERGY’S SAFETY ANALYSIS
REPORT SECTIONS 1.1.4, 1.1.5, and 1.3.4) – Site Description

Reference: Ltr, Jacobs to Williams, dtd 12/22/08, “Yucca Mountain - Request for Additional Information – Volume 2, Chapter 2.1.1.1 Second Set (Department of Energy’s Safety Analysis Report Sections 1.1.4, 1.1.5, and 1.3.4)”

The purpose of this letter is to transmit the U.S. Department of Energy’s (DOE) responses to seven RAI’s identified in the above referenced letter regarding DOE’s LA Sections 1.1.4, 1.1.5, and 1.3.4. The NRC’s requests correspond to NRC’s Safety Evaluation Report, Volume 2, Chapter 2.1.1.1, *Site Description*. Each RAI response is provided as a separate enclosure.

As indicated in SAR 1.5.2.7.2, drilling, geologic, and geophysical logs are still being processed for the 43 boreholes drilled during 2006 and 2007. However, data needed to develop the cross sections NRC has requested will be available in March 2009. Therefore, the geologic cross sections beneath the surface portion of the GROA requested in RAI Volume 2, Chapter 2.1.1.1, Second Set, Number 1 will be provided separately to NRC no later than March 30, 2009.

There is one commitment made 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@hq.doe.gov.

Jeffrey R. Williams, Supervisor
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Office of Technical Management

OTM:SAB-0384

Enclosures (7):
Responses to 7 Requests for Additional Information
Numbers Volume 2, 2.1.1.1-1 through 2.1.1.1-7, Second Set



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