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Washington, DC 20585

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July 30, 2009

ATTN: Document Control Desk
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YUCCA MOUNTAIN – REQUEST FOR ADDITIONAL INFORMATION –VOLUME 2, CHAPTER 2.1.1.3, SET 3 (U.S. DEPARTMENT OF ENERGY'S SAFETY ANALYSIS REPORT SECTIONS 1.6 and 1.7) – Identification of Hazards and Initiating Events

Reference: Ltr, Jacobs to Williams, dtd 04/09/09, "Yucca Mountain – Request for Additional Information –Volume 2, Chapter 2.1.1.3, Set 3 (U.S. Department of Energy's Safety Analysis Report Sections 1.6 and 1.7)"

The purpose of this letter is to transmit nine of the U.S. Department of Energy's (DOE) responses to Request for Additional Information (RAI) Numbers 16, 23, 26, 28, 29, 30, 31, 32, and 33, identified in the above-referenced letter. The responses address operational hazards and initiating events. The DOE references cited in the responses have already been provided to the U.S. Nuclear Regulatory Commission.

Within this set, DOE has previously responded to RAI Number 1 on April 17, 2009, RAI Numbers 3, 4, 5, 7, 13, 14, 18, 19, and 21 on May 11, 2009, RAI Number 2 on May 27, 2009, RAI Number 17 on June 10, 2009, and RAI Numbers 6, 8, and 15 on June 25, 2009. Electronic attachments associated with RAI Numbers 5 and 21 were submitted on May 13, 2009. DOE expects to submit the remaining RAI responses on or before July 31, 2009.

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.

Steven E. Gomberg (for)

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

OTM: SEG-0922

Enclosures (9):
Responses to Request for Additional Information, Volume 2, Chapter 2.1.1.3, Third Set, Numbers 16, 23, 26, 28, 29, 30, 31, 32, and 33.

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