



## Department of Energy

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**ATTN: Document Control Desk**

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YUCCA MOUNTAIN – REQUEST FOR ADDITIONAL INFORMATION – VOLUME 2,  
CHAPTER 2.1.1.4, SET 2 (DEPARTMENT OF ENERGY’S SAFETY ANALYSIS REPORT  
SECTION 1.7) – Identification of Event Sequences

Reference: Ltr, Jacobs to Williams, dtd 06/03/09, “Yucca Mountain - Request For  
Additional Information – Volume 2, Chapter 2.1.1.4, Set 2 & Set 3 (Department  
of Energy’s Safety Analysis Report Section 1.7)”

The purpose of this letter is to transmit two U.S. Department of Energy (DOE) responses to Request for Additional Information (RAI) Numbers 2 and 4 of Set 2 of the above-referenced letter. This set pertains to passive structure, system and component reliability. DOE has previously responded to RAI Number 1 of this set on June 9, 2009, RAI Number 5 on July 7, 2009, RAI Numbers 9, 10, 12 and 13 on July 14, 2009, RAI Numbers 7 and 8 on July 22, 2009, and RAI Numbers 3, 6, and 11 on August 5, 2009. This submittal completes the responses to the Set 2 RAIs of the above-referenced letter.

Each RAI response is provided as a separate enclosure. The DOE references cited in the responses, which have not been previously provided to the U.S. Nuclear Regulatory Commission, will be provided under separate cover.

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

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Licensing Interactions Branch  
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OTM: SEG-1006



Enclosures (2):

1. Response to RAI, Volume 2, Chapter 2.1.1.4, Set 2, Number 2
2. Response to RAI, Volume 2, Chapter 2.1.1.4, Set 2, Number 4

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