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ATTN: Document Control Desk

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
U.S. Nuclear Regulatory Commission
EBB-2B2
11545 Rockville Pike
Rockville, MD 20852-2738

YUCCA MOUNTAIN - SUPPLEMENTAL RESPONSES TO REQUEST FOR ADDITIONAL INFORMATION RE: LICENSE APPLICATION (SAFETY ANALYSIS REPORT SECTION 2.1), SAFETY EVALUATION REPORT VOLUME 3 - POSTCLOSURE CHAPTER 2.2.1.1 - SYSTEM DESCRIPTION AND DEMONSTRATION OF MULTIPLE BARRIERS, SET 1

- Reference 1: Ltr, Sulima to Williams, dated 12/22/2008, "Yucca Mountain – Request for Additional Information Re: License Application (Safety Analysis Report Section 2.1)"
- Reference 2: Ltr, Williams to Sulima, dated 2/6/2009, "Yucca Mountain – Request for Additional Information Re: License Application (Safety Analysis Report Section 2.1), Safety Evaluation Report Volume 3 – Postclosure Chapter 2.2.1.1 – System Description and Demonstration of Multiple Barriers, Set 1"
- Reference 3: Ltr, Williams to Sulima, dated 4/16/2009, "Yucca Mountain – Supplemental Response to Request for Additional Information Re: License Application (Safety Analysis Report Section 2.1), Safety Evaluation Report Volume 3 – Postclosure Chapter 2.2.1.1 – System Description and Demonstration of Multiple Barriers, Set 1"

The purpose of this letter is to transmit the U.S. Department of Energy's (DOE) supplemental responses to Requests for Additional Information (RAIs) Numbers 1 and 5 identified in reference 1 above. The original responses to these RAIs were provided by reference 2 above; the first supplemental response to RAI Number 1 was provided by reference 3 above. The supplemental RAI responses are provided as enclosures to this letter. The responses were developed based on our understanding of the technical areas requiring further clarification, as discussed in the March 26, 2009, teleconference.

The DOE references cited in the supplemental 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.

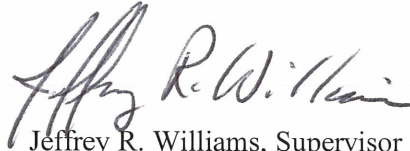


John H. (Jack) Sulima

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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.

A handwritten signature in dark ink, appearing to read "Jeffrey R. Williams". The signature is fluid and cursive, with the first name "Jeffrey" being more prominent.

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

OTM: CJM-0869

Enclosures (2):

Supplemental Response to Request for Additional Information
Volume 3, Chapter 2.2.1.1, Set 1, Number 1

Supplemental Response to Request for Additional Information
Volume 3, Chapter 2.2.1.1, Set 1, Number 5

cc w/encl:

J. C. Chen, NRC, Rockville, MD
J. R. Davis, NRC, Rockville, MD
R. K. Johnson, NRC, Rockville, MD
A. S. Mohseni, NRC, Rockville, MD
N. K. Stablein, NRC, Rockville, MD
D. B. Spitzberg, NRC, Arlington, TX
J. D. Parrott, NRC, Las Vegas, NV
L. M. Willoughby, NRC, Las Vegas, NV
Jack Sulima, NRC, Rockville, MD
Christian Jacobs, NRC, Rockville, MD
Lola Gomez, NRC, Rockville, MD
W. C. Patrick, CNWRA, San Antonio, TX
Budhi Sagar, CNWRA, San Antonio, TX
Bob Brient, CNWRA, San Antonio, TX
Rod McCullum, NEI, Washington, DC
B. J. Garrick, NWTRB, Arlington, VA
Bruce Breslow, State of Nevada, Carson City, NV
Alan Kalt, Churchill County, Fallon, NV
Irene Navis, Clark County, Las Vegas, NV
Ed Mueller, Esmeralda County, Goldfield, NV
Ron Damele, Eureka County, Eureka, NV
Richard Cervantes, Inyo County, Independence, CA
Chuck Chapin, Lander County, Battle Mountain, NV
Connie Simkins, Lincoln County, Pioche, NV
Linda Mathias, Mineral County, Hawthorne, NV
Darrell Lacy, Nye County, Pahrump, NV
Jeff VanNeil, Nye County, Pahrump, NV
Joe Kennedy, Timbisha Shoshone Tribe, Death Valley, CA
Mike Simon, White Pine County, Ely, NV
K. W. Bell, California Energy Commission, Sacramento, CA
Barbara Byron, California Energy Commission, Sacramento, CA
Susan Durbin, California Attorney General's Office, Sacramento, CA
Charles Fitzpatrick, Egan, Fitzpatrick, Malsch, PLLC

EIE Document Components:

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002_Encl_RAI_1_and_5_Suppl_3.2.2.1.1_Set_1.pdf	231 KB