Department of Energy
Washington, DC 20585

QA: N/A
DOCKET NUMBER 63-001

September 17, 2009

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 – SAFETY EVALUATION REPORT, VOLUME 3 - POSTCLOSURE CHAPTER 2.2.1.3.13, SET 1 - ATMOSPHERIC TRANSPORT OF RADIONUCLIDES AND THEIR REDISTRIBUTION IN SOILS - (DEPARTMENT OF ENERGY'S SAFETY ANALYSIS REPORT SECTIONS 2.3.10 and 2.3.11)

Reference 1: Ltr, Sulima to Williams, dtd 6/29/2009, "Yucca Mountain – Request for Additional Information – Safety Evaluation Report, Volume 3 – Postclosure Chapter 2.2.1.3.13, Set 1 – Atmospheric Transport of Radionuclides and their Redistribution in Soils – (Department of Energy's Safety Analysis Report Sections 2.3.10 and 2.3.11)"

Reference 2: Ltr, Williams to Sulima, dtd 7/27/2009, "Yucca Mountain – Request for Additional Information – Safety Evaluation Report, Volume 3 – Postclosure Chapter 2.2.1.3.13, Set 1 – Atmospheric Transport of Radionuclides and their Redistribution in Soils – (Department of Energy's Safety Analysis Report Sections 2.3.10 and 2.3.11)"

The purpose of this letter is to transmit the U.S. Department of Energy's supplemental responses to the Request for Additional Information (RAI) Number 3 identified in reference 1 above. The original response to this RAI was provided by reference 2 above. The supplemental responses were developed based on our understanding of the technical areas requiring further clarification, as discussed in an August 27, 2009, public teleconference. During the teleconference, the NRC asked three (3) additional questions. The responses to these questions, along with the transcription of the questions as read in the public teleconference, are provided as enclosures to this letter.

All DOE references cited in the RAI responses have previously been provided with the License Application (LA) or the LA update.

Printed with soy ink on recycled paper

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-1068

Enclosures (3):
1. Supplemental response to RAI Volume 3, Chapter 2.2.1.3.13, Set 1, Number 3, Question 1
2. Supplemental response to RAI Volume 3, Chapter 2.2.1.3.13, Set 1, Number 3, Question 2
3. Supplemental response to RAI Volume 3, Chapter 2.2.1.3.13, Set 1, Number 3, Question 3

cc w/encls:
J. C. Chen, NRC, Rockville, MD
J. R. Cuadrado, 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
Alisa Lembke, 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:

001_NRC_Tran_Ltr_3.2.2.1.3.13_Set_1_No_3_Sup.pdf
002_Encl_RAI_3.2.2.1.3.13_Set_1_No_3_Sup.pdf 1,101 KB