June 3, 2009

Mr. Jeffrey R. Williams, Manager
Licensing Support
US Department of Energy
Office of Civilian Radioactive
Waste Management, RW-6
1000 Independence Avenue, SW
Washington, DC 20585

SUBJECT: 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)

Dear Mr. Williams:

By application dated June 3, 2008, the U.S. Department of Energy (DOE) requested the U.S. Nuclear Regulatory Commission (NRC) approval of a construction authorization.

NRC staff has reviewed the information provided in your submittal and determined that additional information is required in order to complete its review. Questions in the enclosed request for additional information (RAI) were emailed on May 27, 2009, and discussed in a telephone call with Mr. Steve Gomberg, et al., of your staff on June 2, 2009. The following editorial changes were made as a result of this call: correct SAR section is 1.7.6 for references in opening paragraph for both RAI Sets, "rails" changed to "sleeves" for RAI #3 in Set 2, Kelker reference added to RAI 11c in Set 2, and "passive structure, system and component reliability changed to "subsurface categorization of event sequences" for opening paragraph in Set 3. These changes have been incorporated into the attached RAIs. The due date for DOE responses is July 7, 2009, to this RAI (Set 2 & Set 3) for the Safety Evaluation Report Volume 2, Chapter 2.1.1.4, Identification of Event Sequences.

NRC staff considers that timely responses to RAIs help ensure sufficient time is available for staff review to meet its 10 CFR Part 2 schedule requirements and contribute toward the NRC's goal of efficient and effective use of staff resources. If circumstances result in the need to revise the requested response date, please contact me at (301) 492-3265.

Sincerely,

/RA/

Christian Jacobs, Senior Project Manager
Project Management Branch Section B
Division of High-Level Waste Repository Safety
Office of Nuclear Material Safety and Safeguards

Docket No. 63-001

Enclosure: Request for Additional Information

cc: See enclosed list

Letter to J. Williams from C. Jacobs dated: June 3, 2009
cc:

C. Berkey, Alexander, Berkey, Williams & Weathers LLP
R. Leigh, Alexander, Berkey, Williams & Weathers LLP
S. Williams, Alexander, Berkey, Williams & Weathers LLP
R. Andersen, Akerman Senterfitt
R. List, Armstrong Teasdale LLP
B. Armantrout, Boulder City, NV
B. Gattoni, Burns & Roe
J. Huston, Caliente Hot Springs Resort
B. Hembacher, California Attorney General's Office
S. Durbin, California Attorney General's Office
T. Sullivan, California Attorney General's Office
K. Bell, California Energy Commission
B. Neuman, Carter Ledyard & Milburn L.L.P.
A. Kalt, Churchill County, NV
R. Massey, Churchill/Lander County, NV
M. Cyphers, City of Henderson, NV
L. Lee, City of Las Vegas
C. Kus, City of North Las Vegas, NV
I. Navis, Clark County, NV
P. Klevorick, Clark County, NV
S. Walker, Clark County, NV
B. Sagar, CNWRA
K. Agostisi, Cong. Dina Titus
E. von Tiesenhausen, Consultant
L. Pitchford, Consultant
J. Gervers, Consultant
J. Hollrith, DOE
G. Hellstrom, DOE
R. Dyer, DOE/OCRWM
C. Macaluso, DOE/OCRWM
C. Trummell, DOE/OCRWM
D. Barr, DOE/OCRWM
M. Williams, DOE/OCRWM
L. Newman, DOE/OCRWM
C. Kouts, DOE/OCRWM
S. Bokhari, DOE/RW
A. Gil, DOE/OCRWM
W. Boyle, DOE/OCRWM
S.A. Wade, DOE/OCRWM
T. Gunter, DOE/OCRWM
A. Benson, DOE/OCRWM
N. Hunemuller, DOE/OCRWM
P. Harrington, DOE/OCRWM
L. Desell, DOE/RW
S. Davis, DOE/OCRWM
J. Summerson, DOE/OCWRM
J. George, DOE/OCWRM
J. Raleigh, SNL
E. Bonano, SNL
S. Kuzio, SNL
G. Runkle, DOE/Washington, D.C.
S. Gomberg, DOE/Washington, D.C.
M. Malsch, Egan, Fitzpatrick, Malsch, PLLC
J. Siciliano, Energy Washington Week
R. Clark, EPA
J. Kessler, EPRI
E. Mueller, Esmeralda County, NV
R. Damele, Eureka County, NV
A. Johnson, Eureka County, NV
C. Dahlberg, Fort Independence Indian Tribe
D. Houck, Fredericks and Peebles, LLP
J. Peebles, Fredericks and Peebles, LLP
D. Feehan, GAO
A. Harrington, Godfrey and Kahn
D. Poland, Godfrey and Kahn
H. Renfro, Godfrey and Kahn
S. Heinzen, Godfrey and Kahn
D. Curran, Harmon, Curran, Spielberg & Eisenberg, L.L.P.
D. Irwin, Hunton & Williams
A. Lembke, Inyo County, CA
D. Wilson, Inyo County, CA
B. Helmer, Inyo County, CA
G. James, Inyo County, CA
A. Robbins, Jennings, Strouss & Salmon
B. Loveland, Jennings, Strouss & Salmon
D. Roby, Jennings, Strouss & Salmon
J. Brandt, Lander County, NV
D. Teske, Lander County, NV
S. Scholley, Legislative Counsel Bureau
B. Whipple, Lincoln County, NV
M. Baughman, Lincoln County, NV
C. Simkins, Lincoln County, NV
G. Barlow, Lincoln County, NV
L. Mathias, Mineral County, NV
T. Poindexter, Morgan, Lewis & Bockius LLP
C. Meyers, Moapa Paiute Indian Tribe
R. Holden, NCAI
R. McCullum, NEI
S. Kraft, NEI
P. Seidler, NEI
J. Strolin, Nevada Agency for Nuclear Projects
J. Treichel, Nuclear Waste Task Force
C. Di Bella, NWTRB
M. Murphy, Nye County, NV
W. Kohbarger, Nye County, NV
D. Lacy, Nye County, NV
J. Eastley, Nye County, NV
G. Hollis, Nye County, NV
R. Gamble, Nye County, NV
C. Jaszczak, Nye County, NV
J. Van Niel, Nye County, NV

cc: (Continued)

K. Skipper, USGS
J. Silberg, Pillsbury Winthrop Shaw Pittman LLP
T. Walsh, Pillsbury Winthrop Shaw Pittman LLP
E. Hiruo, Platts Nuclear Publications
S. Frishman
T. Story, Rep. Berkley's office
D. Cherry, Rep. Berkley's office
K. Pace, Rep. Heller's office
G. Facchiano, Rep. Heller's office
M. Nakashima, Rep. Heller's office
A. Moses, Rep. Heller's office
J. Duran, Rosette & Associates, PC
K. Kirkeby, Sen. Ensign's office
A. Shaw, Sen. Ensign's office
S. Joya, Sen. Ensign's office
J. Min, Sen. Ensign's office
S. Raborn, Sen. Reid's office
A. McDonough, Sen. Reid's office
D. Cristinzio, Sen. Reid's office
S. Lynch, State of NV
J. Kennedy, Timbisha Shoshone Tribe
B. Durham, Timbisha Shoshone Tribe
L. Lehman, T-REG, Inc.
J. Parrott, US NRC
G. Schlapper, US NRC
V. Everett, US NRC
B. Spitzberg, US NRC
L. Willoughby, US NRC
J. Saldarini, USA-RS
S. Thom, USA-RS
M. Bryan, USA-RS
D. Beckman, USA-RS
J. Donnell, USA-RS
P. Freeman, USA-RS
B. Silloway, USA-RS
L. Kraemer, USA-RS
S. Cereghino, USA-RS
I. Zabarte, Western Shoshone National Council
R. Sears, White Pine County District Attorney
M. Simon, White Pine County, NV
M. Martinez, White Pine County, NV
D. Repka, Winston & Strawn LLP
R. Miras-Wilson, Winston & Strawn LLP
W. Horin, Winston & Strawn LLP
D. Beckman, BSC/B&A
P. Johnson, Citizen Alert
D. Allman, DOE
J. Williams, DOE/Washington, DC
C. Fitzpatrick, Egan, Fitzpatrick, Malsch, PLLC
J. Espinoza, GAO
D. Silverman, Morgan, Lewis & Bockius LLP
B.J. Garrick, NWTRB
S. Devlin, Private Citizen
G. Hudlow, Private Citizen

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Sincerely,

Christian Jacobs, Senior Project Manager
Project Management Branch Section B
Division of High-Level Waste Repository Safety
Office of Nuclear Material Safety and Safeguards

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