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**ATTN: Document Control Desk**

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YUCCA MOUNTAIN - SUPPLEMENTAL RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION - SAFETY EVALUATION REPORT, VOLUME 3 - POSTCLOSURE CHAPTER 2.2.1.3.6 - FLOW PATHS IN THE UNSATURATED ZONE, SET 1 - (DEPARTMENT OF ENERGY'S SAFETY ANALYSIS REPORT SECTIONS 2.3.2 AND 2.3.3)

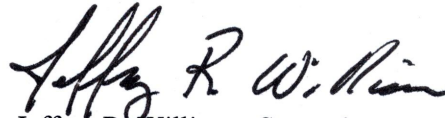
- Reference 1: Ltr, Sulima to Williams, dtd 04/29/09, "Yucca Mountain – Request for Additional Information – Safety Evaluation Report, Volume 3 – Postclosure Chapter 2.2.1.3.6 – Flow Paths in the Unsaturated Zone, Set 1 – (Department of Energy's Safety Analysis Report Sections 2.3.2 and 2.3.3)"
- Reference 2: Ltr, Williams to Sulima, dtd 06/01/09, "Yucca Mountain – Request for Additional Information – Safety Evaluation Report, Volume 3 – Postclosure Chapter 2.2.1.3.6 – Flow Paths in the Unsaturated Zone, Set 1 – (Department of Energy's Safety Analysis Report Sections 2.3.2 and 2.3.3)"

The purpose of this letter is to resubmit the U.S. Department of Energy's (DOE) response to Request for Additional Information (RAI) Number 5 identified in reference 1 above, regarding DOE's License Application Sections 2.3.2 and 2.3.3. The original response to this RAI was provided by reference 2 above. The RAI response is provided as an enclosure to this letter.

The resubmitted response includes revisions to Tables 1, 3 and 11. The entire response is included for your convenience. Tables 1 and 11 were updated to include the upper boundary net infiltration and percolation at the base of PTn, respectively, for the Unsaturated Zone Flow Model. Table 3 listed the post-10,000 year infiltration data erroneously as percolation at the base of the PTn; that error has been corrected. These errors did not affect any of the response text, discussion, or conclusions.



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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OTM: CJM-0802

Enclosure (1):

Supplemental response to RAI Volume 3, Chapter 2.2.1.3.6, Set 1, Number 5

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