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December 9, 2005 Contract No. NRC-02-02-012 Account No. 20.06002.01.302

U.S. Nuclear Regulatory Commission ATTN: Mrs. Deborah A. DeMarco Division of High-Level Waste Repository Safety Office of Nuclear Material Safety and Safeguards Mail Stop 7 F3 Washington, DC 20555

Subject:

Submittal of Poster: Gas Segregation in Dykes and Sills (Al 06002.01.302.602)

Dear Mrs. DeMarco:

The enclosed poster and Form 390A are being submitted for NRC programmatic review. Following NRC approval, this poster will be presented at the 2006 Volcanic & Magmatic Studies Group, January 4-6, 2006, in Leeds, United Kingdom.

Drs. Thierry Menand and Jeremy Phillips are contractors to the CNWRA. They are evaluating potential consequences of volcanic disruption of the potential Yucca Mountain Repository. The information discussed in this poster presentation summarizes recent experimental results performed at the University of Bristol on behalf of the CNWRA. This investigation was undertaken to examine processes that might affect gas segregation in magma-filled drifts intersected by dikes.

Please advise me of the result of your programmatic review. If you have any questions regarding this poster, please contact Dr. John Stamatakos at (210) 522-5247.

Sincerely,

Gordon W. Wittmeyer

Assistant Director, Earth Sciences

/slo

Enclosures: Poster

NRC Form 390A

cc:

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(Please type or print)							
TITLE (State in full as it appears on the speech, paper, or journal article) Gas Segregation in Dykes and Sills							
2. AUTHOR(s) T. Menand and J.C. Phillips (Contractors)							
3. NAME OF CONFERENCE, LOCATION, AND DATE(s) 2006 Volcanic & Magmatic Studies Group Leeds, United Kingdom January 4-6, 2006							
NAME OF PUBLICATION Abstracts are formally published, but will be handouts at the conference							
5. NAME AND ADDRESS OF THE PUBLISHER					TELEPHONE	TELEPHONE NUMBER OF THE PUBLISHER	
6. CONTRACTOR NAME AND COMPLETE MAILING ADDRESS (Include ZIP code)					TELEPHONE	TELEPHONE NUMBER OF THE CONTRACTOR	
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