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December 29, 2005
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U.S. Nuclear Regulatory Commission
ATTN: Mrs. Deborah A. DeMarco
Division of High-Level Waste Repository Safety
Two White Flint North
11545 Rockville Pike
Mailstop T7 D15
Washington, DC 20555

Subject: Programmatic Review of Conference Paper

Dear Mrs. DeMarco:

The enclosed conference paper along with Form 390A is being sent for programmatic review. The paper will be submitted for presentation at the International High-Level Radioactive Waste Management Conference, April 30–May 4, 2006, in Las Vegas, Nevada. The title of the paper is “Fluvial Redistribution of Contaminated Tephra: Process-Level Modeling and Parameter Estimation,” authored by D. Hooper and R. Benke.

The paper discusses how process-level modeling may be used to support the fluvial redistribution modeling for the Total-system Performance Assessment code through the determination of values for its input parameters. The abstracted model component for fluvial redistribution is described in a separate paper to be submitted to the same conference.

Please advise me of the results of your programmatic review.

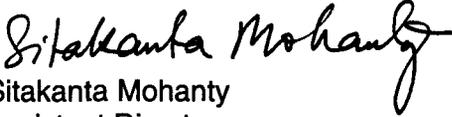


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Mrs. Deborah A. DeMarco
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If you have any questions regarding this paper, please contact me at (210) 522-5185 or Dr. Don Hooper at (210) 522-6649. Your cooperation in this matter is appreciated.

Sincerely,


Sitakanta Mohanty
Assistant Director
Engineering and Systems Assessment

cc:

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