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March 6, 2012  
Contract No. NRC-02-07-006  
Account No. 20.14005.02.001

Attn: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Dr. James Rubenstone  
Office of Nuclear Material Safety and Safeguards  
Division of High-Level Waste Repository Safety  
Mail Stop EBB-2-BO2  
Washington, DC 20555

SUBJECT: Final Intermediate Milestone 14005.02.001.201—Numerical Simulations and Analysis of Lava Flow Cooling

Dear Dr. Rubenstone:

This letter retransmits the subject milestone, which we transmitted as a draft on February 8, 2012. A review of the draft by U.S. Nuclear Regulatory Commission (NRC) staff has led to one change to the text. With that change, NRC stated in an email dated February 15, 2012, that the report is acceptable and ready for public release. The report is preserved as a Microsoft® Word® file at the following location on the Integrated Spent Fuel Management Program SharePoint® site:

Integrated Spent Fuel Management Program > Integrated Spent Fuel Management Program > Task 2 -- Gap Analysis > Basu\_14005.02.001.201\_Numerical Simulations and Analysis of Lava Flow Cooling > 201\_Basu\_Lava Flow Cooling Processes



Washington Office  
1801 Rockville Pike, Suite 105 • Rockville, Maryland 20852-1633

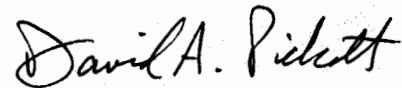
Dr. James Rubenstone

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If you have questions related to this intermediate milestone, please feel free to contact Dr. Debashis Basu at 210-522-8333 or me at 210-522-5582.

Sincerely yours,



David Pickett, Ph.D.  
Senior Program Manager  
Integrated Spent Fuel Regulatory  
Program-Geologic Disposal

DP: ar

Enclosure: Final Report

cc:

NRC

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