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July 31, 2012
Contract No. NRC-02-07-006
Project No. 14014
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ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Mr. Yawar Faraz
Office of Nuclear Material Safety and Safeguards
Division of Spent Fuel Alternative Strategies/PMB
11555 Rockville Pike
Mail Stop: EBB-E2B2
Rockville, MD 20852

Subject: AI 14014.01.001.215: Subtask A2: Draft Report—Reference Design for Reprocessing Spent Nuclear Fuel Through COEX-Like Process

Dear Mr. Faraz:

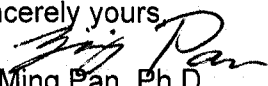
This letter documents completion of the subject administrative item prepared as part of the Quantitative Hazards Methods Development in Support of the DOE/NRC Interagency Agreement. The deliverable comprises one Microsoft® Word file contained in the following SharePoint® folder:

Reprocessing Project > Quantitative Hazards > Subtask A2 > AI 14014.01.001.215

The draft document, "Reference Design for Reprocessing Spent Nuclear Fuel Through COEX-Like Process," contains a summary of the mass balance calculations and preliminary reference design information for aqueous reprocessing. The report contains information collected from the open literature. The final report will be completed after receiving feedback from the NRC staff.

If you have any questions regarding this report, please contact Dr. Biswajit Dasgupta at (210) 522-6815 or me at (210) 522-6640.

Sincerely yours,



Yi-Ming Fan, Ph.D.

Program Manager
Integrated Spent Fuel Regulatory Program
for Reprocessing and Long-Term Storage of
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