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Geosciences and Engineering Division  
6220 Culebra Road • San Antonio, Texas, U.S.A. 78238-5166  
(210) 522-5160 • Fax (210) 522-5155

July 31, 2012  
Contract No. NRC-02-07-006  
Project No. 14014  
Job Code: J5705

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:

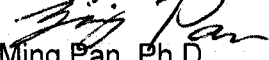
This letter documents completion of the subject administrative item prepared as part of the Quantitative Hazards Methods Development in Support of the DOE/NRC Interagency Agreement. The deliverable comprises one Microsoft® Word file contained in the following SharePoint® folder:

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 Pan, Ph.D.  
Program Manager  
Integrated Spent Fuel Regulatory Program  
for Reprocessing and Long-Term Storage of  
High-Level Waste and Spent Fuel

BD/YP/bs

cc:

**NRC**

V. Whipple  
D. DeMarco  
R. Jackson

L. Kokajko  
A. Mohseni  
K. Stablein  
J. Guttmann

**CNWRA**

W. Patrick  
B. Sagar  
CNWRA Directors  
CNWRA Managers

**SwRI**

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