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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

March 14, 2011
Contract No. NRC–02–07–006
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ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Mr. King Stablein
Office of Nuclear Material Safety and Safeguards
Division of High-Level Waste Repository Safety
Mail Stop (EBB-2-B02)
Washington, DC 20555-0001

Subject: Final Version of Intermediate Milestone Corrosion of Alloy 22 Induced by Dust Deliquescence Brines

Dear Mr. Stablein:

This letter transmits the final report titled Corrosion of Alloy 22 Induced by Dust Deliquescence Brines, completed under the Knowledge Management/Capture project. Previous versions of the report, as Intermediate Milestone 14002.01.171.830, were transmitted on April 24, 2008; February 6, 2009; and March 29, 2010. We transmitted another revision on January 31, 2011, in response to U.S. Nuclear Regulatory Commission (NRC) Office of the General Counsel (OGC) comments and recommendations received on September 30, 2010. This final version, addressing comments by OGC and H. Gonzalez received by email on March 9, 2011, is located as a Microsoft® Word® file in the Center for Nuclear Waste Regulatory Analyses and NRC Microsoft SharePoint® file system at this location:

> YM Licensing Review > Knowledge Management > Knowledge Capture Reports > Yang_Corrosion of Alloy 22 Induced by Dust Deliquescence Brines > NRC Reviewing and Acceptance > Yang_revised version of Dust Deliquescence report

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

If you have any questions regarding this revision of the report, please feel free to contact me at (210) 522-5582 or Dr. L. Yang at (210) 522-2483.

Sincerely,

David A. Pickett

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

DP/ar
Enclosure

cc:

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