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January 31, 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: Revision to Intermediate Milestone Corrosion of Alloy 22 Induced by Dust  
Deliquescence Brines

Dear Mr. Stablein:

This letter transmits the revised 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. The revision, with "track changes" engaged showing all changes since the previous revision, is located as a Microsoft® Word® file in the Center for Nuclear Waste Regulatory Analyses and U.S. Nuclear Regulatory Commission (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

This revision addresses NRC Office of the General Counsel (OGC) comments and recommendations received on September 30, 2010, and corrects minor errors identified during the revision process. In the previous revision (March 29, 2010), at NRC staff direction, the authors did not respond to all OGC comments. With this revision, the authors understand that, in responding to the September 30, 2010, comments, all remaining OGC concerns have been addressed.



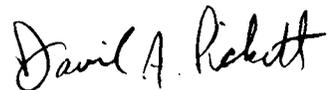
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Mr. King Stablein  
January 31, 2011  
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For the convenience of the OGC reviewer, I will mail to Jack Sulima, under separate cover, electronic and hard copies of (i) the September 30, 2010, OGC markup received from NRC as a hard copy; (ii) a September 30, 2010, OGC markup of the Revision 2 comment/response sheet; (iii) the revised report showing all changes; and (iv) a clean copy of the revised report.

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

DP/ar  
Enclosure

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