

May 10, 2005

Asadul H. Chowdhury
Manager, Mining, Geotechnical, and Facility Engineering
Center for Nuclear Waste Regulatory Analyses
6220 Culebra Road P.O. Drawer 28510
San Antonio Texas 78228-5166

SUBJECT: REPOSITORY DESIGN AND THERMAL-MECHANICAL EFFECTS KEY
TECHNICAL ISSUE REVISED INTERMEDIATE MILESTONE NO.
20.06002.01.102.420, MICROSTRUCTURAL ANALYSIS AND MECHANICAL
PROPERTIES OF ALLOY 22

Dear Mr. Chowdhury:

We have reviewed the Center for Nuclear Waste Regulatory Analysis (Center) revised Intermediate Milestone No. 20.06002.01.102.420, Microstructural Analysis and Mechanical Properties of Alloy 22. The staff finds the study acceptable. The results of this study will directly support pre-licensing interactions with the U.S. Department of Energy.

If you have any questions regarding the comments, you may contact me at (301) 415-5170 or via e-mail (tjk1@nrc.gov). No written response to this letter is required and the subject study is considered to fulfill the Center's contractual obligations for this Intermediate Milestone.

Sincerely,

/RA/

Timothy J. Kobetz,
Program Element Manager
Division of High-Level Waste Repository Waste Site
Office of Nuclear Material Safety
and Safeguard

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NAME	T. Kobetz		K. Stablein				
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