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QA: N/A

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OVERNIGHT MAIL

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**TRANSMITTAL OF A REPORT ADDRESSING KEY TECHNICAL ISSUE (KTI) AGREEMENT
ITEMS UNSATURATED AND SATURATED ZONE FLOW UNDER ISOTHERMAL CONDITIONS
(USFIC) 5.05 AND RADIONUCLIDE TRANSPORT (RT) 2.09**

This letter transmits the report entitled, *Geologic and Hydrostratigraphic Cross Sections NYE-1, NYE-2, and NYE-3, Southern Nye County, Nevada* which provides information to satisfy the following subject KTI agreements:

USFIC 5.05 – “Provide the hydrostratigraphic cross sections that include the Nye County data.”

“DOE will provide the hydrostratigraphic cross sections in an update to the Hydrogeologic Framework Model for the Saturated Zone Site Scale Flow and Transport AMR expected to be available during FY 2002, subject to availability of the Nye County data.”

RT 2.09 – “Provide the hydrostratigraphic cross sections that include the Nye County data.”

“DOE will provide the hydrostratigraphic cross sections in an update to the Hydrogeologic Framework Model for the Saturated Zone Site Scale Flow and Transport AMR expected to be available during FY 2002, subject to availability of the Nye County data.”

The enclosure comprises a presentation of the new cross sections developed from data from the Nye County drilling program. While the Agreement Items USFIC 5.05 and RT 2.09 stated that these new data and cross sections would be provided in an Analysis and Model Report, the information has been included in this report as discussed at the April 15-16, 2002, U.S. Nuclear Regulatory Commission/ U.S. Department of Energy (DOE) Technical Exchange and Management Meeting on KTIs.

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Agreement Item General (GEN).1.01(42) is associated with characterization of the transport properties of alluvium. This agreement has been mapped to RT 2.09 because of the similarity in subject. The proposed DOE resolution in this letter does not explicitly address GEN.1.01(42). Disposition of GEN.1.01(42) will be included in the Fiscal Year (FY) 2003 and FY 2004 KTI plan.

This letter contains no new regulatory commitments. Please direct any questions concerning this letter and its enclosure to Eric T. Smistad at (702) 794-5073 or Timothy C. Gunter at (702) 794-1343.



Joseph D. Ziegler
Acting Assistant Manager, Office of
Licensing and Regulatory Compliance

OL&RC:TCG-1351

Enclosure:

*Geologic and Hydrostratigraphic Cross Sections
NYE-1, NYE-2, and NYE-3, Southern Nye
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