



Department of Energy
Office of Civilian Radioactive Waste Management
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QA: N/A

APR 26 2002

OVERNIGHT MAIL

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TRANSMITTAL OF REPORTS ADDRESSING KEY TECHNICAL ISSUES (KTI)

This letter transmits a hard copy (enclosure 1) and a CD (enclosure 2) of ANL-NBS-HS-000034, Revision 01, *Water-Level Data Analysis for the Saturated Zone Site-Scale Flow and Transport Model*. This Analysis and Model Report (AMR) partially satisfies the Unsaturated and Saturated Flow Under Isothermal Conditions (USFIC) KTI agreement 5.08. This agreement states that the U.S. Department of Energy will provide an updated potentiometric map and supporting data for the uppermost aquifer and an analysis of vertical gradients.

This AMR provides an updated potentiometric surface map and supporting water-level data for the uppermost aquifer. The analysis was performed to provide updated water-level data as the basis for estimating water-level altitudes and the potentiometric surface in the site-scale saturated zone flow and transport model domain. The updated water-level data incorporates data obtained from the Nye County Early Warning Drilling Program and data from borehole USW WT-24.

The analysis of the vertical gradients will be provided in a future document, as per the agreement. Please direct any questions concerning this letter and its enclosures to Timothy C. Gunter at (702) 794-1343, or Drew H. Coleman at (702) 794-5537.

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

OL&RC:TCG-1000

Enclosures:

1. Hard Copy of *Water-Level Data Analysis for the Saturated Zone Site-Scale Flow and Transport Model, ANL-NBS-HS-000034, Revision 01*
2. CD Copy of Enclosure 1

YMP-5

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Wm-11*

APR 26 2002

cc w/encl 2:

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