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May 13, 1987

009/2.4/TTI.003
RS-NMS-85-009
Communication No. 155

U.S. Nuclear Regulatory Commission
Division of Waste Management
Geotechnical Branch
MS-623-SS
Washington, DC 20555

Attention: Mr. Jeff Pohle, Project Officer
Technical Assistance in Hydrogeology - Project B (RS-NMS-85-009)

Re: Semi-Annual Update of BWIP Conceptual Model Evaluation Report

Dear Mr. Pohle:

This cover letter transmits to the NRC staff Terra Therma Inc.'s (TTI) semi-annual update of the Conceptual Model Evaluation Report for BWIP (Subtask 2.4). The report has received a management and technical review by M. Logsdon of Nuclear Waste Consultants. The reports have been completed under TTI's quality assurance procedures in compliance with NWC's project-specific QA Plan.

As was reported in the conceptual model updates for the other sites, there have been only limited amounts of information released by DOE in the last 6 months that could affect interpretations of conceptual models of groundwater flow at the site. The TTI update report concentrates on evidence for localized vertical leakage, hydraulic continuity across the RRL in selected units, interpretations of hydraulic gradients, and the effects of alternative boundary conditions on conceptualization of groundwater flow within the context of the performance objectives of 10 CFR Part 60. These matters are discussed within the framework of the five categories first proposed in TTI's initial report on Conceptual Model Evaluations.

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Distribution:
Pohle
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May 13, 1987

Submission of this update report completes the contract deliverable for Subtask 2.4 at this time. TTI will update the Conceptual Model Evaluation Report on a semi-annual basis, as directed in the current contract.

If you have any questions concerning this letter or the attached report, please contact me immediately.

Respectfully submitted,
NUCLEAR WASTE CONSULTANTS, INC.

Mark J. Logsdon

Mark J. Logsdon, Project Manager

Att: BWIP Conceptual Model Evaluation - Semi-Annual Update Report

cc: US NRC - Director, NMSS (ATTN: PSB)
DWM (ATTN: Division Director) - 2
Mary Little, Contract Administrator
WMGT (ATTN: Branch Chief)
J. Minier, DBS
L. Davis, WWL

bc: M. Galloway, TTI