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NUCLEAR WASTE CONSULTANTS INC.

8341 So. Sangre de Cristo Rd., Suite 6  
Littleton, Colorado 80127  
(303) 973-7495

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April 30, 1986

009/2.4/TTI.001  
RS-NMS-85-009  
Communication No. 52

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: BWIP Conceptual Model Evaluation Report - Subtask 2.4

Dear Mr. Pohle:

This cover letter transmits to the NRC staff the Conceptual Model Evaluation Report for BWIP, Subtask 2.4 of Contract No. RS-NMS-85-009. This report has been prepared by the Mssrs. Mike Galloway and Fred Marinelli of Terra Therma and Mssrs. Adrian Brown and Mark Logsdon and Ms. Barbara Basse of Nuclear Waste Consultants, all members of the site team for BWIP. The report has received technical and management reviews by Adrian Brown and Mark Logsdon of Nuclear Waste Consultants.

The report is very extensive, presenting a new framework for considering aspects of conceptual models, reviewing conceptual models proposed to date, identifying areas of technical concern and of technical consensus, and proposing work plans to evaluate information and investigation needs at BWIP. NWC and TTI recognize the nature of the work load that confronts the NRC Staff, particularly during the review period for the Final Environmental Assessments. However, we consider that this report is such a significant departure from other efforts to date to evaluate conceptual models that we consider that it would be extremely worthwhile for the Staff to review this approach in some detail and to present comments to NWC/TTI in a timely fashion in order to facilitate not only updates to this work, but also our work on Subtask 2.5, which is now already underway.

WM-RES  
WM Record File  
D1021  
NWC I

WM Project 10, 11, 16  
Docket No. \_\_\_\_\_  
X PDR ✓  
LPDR ✓ (B, N, S)

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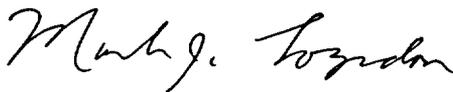
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X Pohle  
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The submission of this letter report meets the contractual deliverable for Subtask 2.4 of Contract Number RS-NMS-85-009 and completes the BWIP Conceptual Model Evaluation subtask requirements at this time. Per the terms of the contract, TTI/NWC will submit regular updates of this report.

If you have any questions concerning this report or related matters, please contact me immediately.

Respectfully submitted,  
NUCLEAR WASTE CONSULTANTS, INC.



Mark J. Logsdon, Project Manager

Att: BWIP Conceptual Model Evaluations Report - Subtask 2.4

cc: US NRC - Director, NMSS (ATTN: PSB)  
DWM (ATTN: Division Director) - 2  
Mary Little, Contract Administrator  
WMGT (ATTN: Branch Chief)

L. Davis, WWL  
R. Knowlton, DBS

bc: M. Galloway, TTI