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September 3, 1986
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009/2.2/TTI.002
RS-NMS-85-009
Communication No. 93

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 Data Inventory and Management Report Update - Subtask 2.2

Dear Mr. Pohle:

This cover letter transmits to the NRC staff the Data Inventory and Management Report, Update No. 1 for BWIP, Subtask 2.2 of Contract No. RS-NMS-85-009. This report has been prepared by the Mssrs. Michael Galloway and Fred Marinelli of Terra Therma (TTI) and Mr. Mark Logsdon and Ms. Barbara Basse of Nuclear Waste Consultants (NWC), all members of the site team for BWIP. The report has received a management and technical review by Mark Logsdon of Nuclear Waste Consultants.

The guiding basis for the various hydrogeologic data bases developed by TTI is that the information and the format must be related to the needs of the team members for access to data that will be used in other subtasks. The data management system was designed not primarily to hold data for cataloguing, but rather to provide an efficient tool for manipulating data in support of document reviews and site visits, conceptual model evaluations, and numerical evaluations of aspects of conceptual models to be conducted under this contract. As with the first report under this subtask, the team wishes to re-emphasize that these data bases are designed and prepared to meet specific technical requirements of Project B and are not viewed by TTI and NWC as comprehensive data bases for BWIP, those being the responsibility of the Department of Energy. The data management system is organized into separate (but fully integrable) databases that address the following types of data:

1. Single-Borehole Hydraulic Test Data
2. Multiple-Borehole Hydraulic Test Data
3. Borehole Hydraulic Head Data
4. Borehole Geologic Data
5. Hydrochemistry Data.

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WM Record File
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WM Project 10, 11, 16
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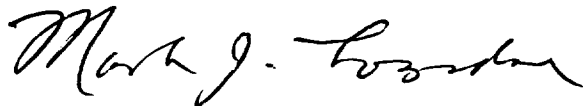
Attachments A - D include the site bibliography, the 5 data bases, output graphs from the data bases, and a planar map of the borehole locations generated from the geologic data base, using BWIP's data on borehole locations. The data bases have been expanded and updated from the first Subtask 2.2 report, and TTI has addressed the informal comments provided by the NRC Staff in April, 1986. Please note that because of the great length of the bibliography (now 46 pages), NWC is forwarding only two (2) copies - one to Mr. Pohle and one to DWM; if the NRC wishes NWC to provide additional copies (rather than have them prepared by DWM-DCC), please notify me.

TTI/NWC anticipates that these databases - and the data management approach on which they are based - will evolve with the project, rather than become obsolete. In particular, the BWIP team will be able to utilize subsets of the databases for use in other computer programs, including numerical models, without the need for time-consuming (and error-prone) re-entry of data.

The submission of this letter report meets the contractual deliverable for Subtask 2.2 of Contract Number RS-NMS-85-009 and completes the BWIP Data Inventory and Management subtask requirements at this time. Per the terms of the contract, TTI/NWC will continue to 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 Data Inventory and Management Report, Update 1, Subtask 2.2

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

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bc: M. Galloway, TTI

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