

NOV 22 1993

Dr. Robert G. Baca, Program Element Manager
Performance Assessment & Hydrologic Transport
Center for Nuclear Waste Regulatory Analyses
6220 Culebra Road
San Antonio, TX 78228-0510

Dear Dr. Baca:

SUBJECT: REVIEW OF CNWRA DOCUMENT ENTITLED "VOLCANO CODE-A MODULE FOR SIMULATION OF MAGMATIC SCENARIO, MODEL DESCRIPTION AND USER GUIDE, ITERATIVE PERFORMANCE ASSESSMENT PHASE 2": INTERMEDIATE MILESTONE 5702-723-405 (TICKET CNWRA 930279)

On October 22, 1993, the Center for Nuclear Waste Regulatory Analyses (CNWRA) transmitted the document entitled "VOLCANO Code-A Module for Simulation of Magmatic Scenario, Model Description and User Guide, Iterative Performance Assessment Phase 2," to meet the requirements of Intermediate Milestone 5702-723-405. The document was submitted for NRC review and acceptance.

Based on our review, conducted by James Park, it was determined that the format of the transmitted user guide is consistent with the generic outline for user's guides agreed upon previously. Therefore, the transmitted document acceptably meets the requirements of Intermediate Milestone 5702-723-405. However, there are a number of comments that the CNWRA should take into consideration during preparation of the next revision of this user's guide. Our most important concern is that the user's guide did not appropriately acknowledge all of the major contributors to the development of the VOLCANO code. Additional technical comments will be transmitted under separate cover.

If you have any questions regarding this letter, please contact me at (301) 504-2513.

Sincerely, *[Signature]*

John T. Buckley, Program Element Manager
Hydrology and Systems Performance Branch
Division of High-Level Waste Management, NMSS

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cc: S. Fortuna, PMDA
M.L. Scott, CAB

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