

AUG 19 1992

MEMORANDUM TO: David J. Diehl, Chief
Information Technology Services Branch
Office of Information Resources Management

FROM: Margaret V. Federline, Chief
Hydrology and Systems Performance Branch
Division of High-Level Waste Management

SUBJECT: REQUEST FOR ASSISTANCE FROM INEL

We ask that you arrange for your contractor at the Idaho National Engineering Laboratory (INEL) to provide assistance to the NRC NMSS/DHLWM staff in their Phase 2 Iterative Performance Assessment program (IPA). This IPA program is developing staff capability to review the performance assessment portions of a high-level waste repository license application. This IPA activity is a major endeavor in the DHLW program and is on a tight schedule in order to meet commitments for interactions with the Department of Energy (DOE), the potential licensee.

Specifically we request assistance in preparing the Total System Performance Assessment Computer Code (TPA) to compile and run on the INEL CRAY computer. The TPA is a suite of 12 FORTAN-77 modules, including an executive module, under configuration control at our contractor's computer facility (Center for Nuclear Waste Regulatory Analyses, CNWRA). Because of system specific differences in input/output protocols, this suite of codes has not proven to be easily transportable among various computer systems. Because of the complexity of the TPA and its constituent modules, production runs will need to be made on a super computer such as the CRAY. Details of the statement of work for this effort can be worked out between Dr. Norman Eisenberg of the Repository Performance Assessment Section staff (the NMSS/IPA Coordinator) and Emily Robinson of your staff.

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Margaret V. Federline, Chief
Hydrology and Systems Performance Branch
Division of High-Level Waste Management

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