October 6, 1993
Contract No. NRC-02-88-005
Account No. 20-5702-151

U.S. Nuclear Regulatory Commission
Attn: Mrs. Shirley L. Fortuna
Division of High-Level Waste Management
WF1 (Mail Stop 4-H-3)
Washington, D.C. 20555

Subject: Recommendations for Technical Document Indexing (TDI) System Disposition

Dear Mrs. Fortuna:

The purpose of this letter is to transmit the recommendation of the CNWRA on the subject matter. It fulfills the requirements of Intermediate Milestone 20-5702-151-450.

The CNWRA's recommendation for the Technical Document Indexing (TDI) System is to migrate it to the CNWRA LAN and incorporate its contents, along with other documents, in the planned Technical Document Reference Database System (TDOCS) which is currently under development. This recommendation is based on the CNWRA and DHLWM analysis during the past year regarding the overall migration of CNWRA office automation, systematic regulatory analysis, project management and document management mainframe applications to the CNWRA local area network (LAN) with an interface to the NRC wide area network (WAN) (56 kbps Line and Routers) and the Agency Upgrade to Office Systems (AUTOS). This plan also factors in the specific requirements analysis and definition on TDOCS provided to the DHLWM in August 1993 and a subsequent meeting to initiate the detailed design and implementation plan for TDOCS.

The rationale/justification for TDOCS as a full text management system, and the incorporation of documents and headers from existing systems, such as the TDI, are:

- A more responsive and immediately beneficial system that accurately controls all relevant documents and assures retrieval of only the relevant documents
- Specific capabilities to support the DHLWM technical reviews and ultimately be compatible with, and interface to, the LSS
- Support for both header and full-text search
- Support for images of non-textual materials
- Support for on-demand scanning to meet immediate needs
- Support for the incorporation of materials and references in analyses
- Support for connectivity with other systems and databases.

The detailed design and implementation of TDOCS will occur during FY94 and will determine the extent to which current documents in the TDI are indexed and controlled in the future for computer retrieval. Advisory groups are being established at both the DHLWM and the CNWRA to address and resolve major issues, such as, the:

- Scope of documents to be included in TDOCS from the existing TDI
- Priority for including selected documents from TDI as full text in TDOCS in addition to the current headers available for search and retrieval
- User interface capabilities for search and retrieval of TDI and other documents to meet identified user demands
- Requirements for interfacing to other systems, such as, WordPerfect, E-mail, PASS, OITS, NUDOCS and the LSS in the longer term
- Administration and maintenance functions and procedures for loading and operating a database system with up to date and accurate information

It is envisioned that a prototype system will be initiated to test and evaluate these issues as TDOCS is designed and implemented with support from the advisory groups in FY94. Plans call for loading certain existing electronic documents, on demand scanning of hard copy documents needed immediately by the staff and routine loading of major project documents from all HLW participants.

The planned schedule of deliverables for the implementation of TDOCS will keep you informed on its progress and the ultimate disposition of the TDI. If you have any questions, please call Rawley Johnson at 210/522-5153.

Sincerely,

Henry Garcia
Director of Administration

HG/lv

cc: M. Knapp
B. Stiltenpole
B. Meehan
J. Linehan
J. Holonich
M. Federline
R. Ballard
R. Johnson
K. Hooks
D. Brooks
K. McConnell
C. Interrante
B. Jagannath
J. Buckley
D. Chery
B. Morris
F. Costanzi
M. Silberberg
J. Randall
J. Latz
W. Patrick
CNWRA Directors
CNWRA Element Managers
S. Rowe