JUN 14 1993

Dr. Budhi Sagar, Technical Director
Center for Nuclear Waste Regulatory Analyses
Southwest Research Institute
6220 Culebra Rd.
San Antonio, TX 78228-0510

Dear Dr. Sagar:

SUBJECT: OUTLINE FOR SOFTWARE USER'S MANUAL

Per our agreement on June 3, 1993, I have drafted a generic outline for PA software User's Manuals. Please review the outline and provide any comments you may have.

The outline is based on the guidance presented in the following documents:

1. NUREG-0856, June 1983, Final Technical Position on Documentation of Computer Codes for High-Level Waste Management.

2. NUREG/CR-4369 (SAND85-1774), January 1986, Quality Assurance (QA) Plan for Computer Software Supporting the U.S. Nuclear Regulatory Commission's High-Level Waste Management Program.

3. NUREG/BR-0167, February 1993, Software Quality Assurance Program and Guidelines.

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

Sincerely,

/s/

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

cc: MFederline
NEisenberg

Enclosure:
As stated

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User's Manual - Table of Contents

1.0 Introduction

- 1.1 Purpose of software
- 1.2 Description of User's Interaction with the Software
- 1.3 Description of any Required Training Necessary to Use the Software
- 1.4 Hardware Requirements and Installation Procedures
- 1.5 References

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  - 2.1.1 Data Preparation Requirements
  - 2.1.2 Initialization
  - 2.1.3 Restart Procedures
  - 2.1.4 Input Records
- 2.2 Output
  - 2.2.1 General Considerations

3.0 Software Description

- 3.1 Overview of Software Capability and Salient Features
- 3.2 Description of Software Limitations
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4.0 Software Assessment and Support

4.1 Model Review

4.2 Description of Validation & Verification Activities

4.3 User Support and Maintenance

Appendix A - Input & Output for Sample Problems