

Sandia National Laboratories

Albuquerque, New Mexico 87185

March 14, 1989

Mr. Chad Glenn
Regulatory Branch
Division of Low-Level Waste Management
and Decommissioning
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Mail Stop 5E4
Washington, DC 20555

Dear Mr. Glenn:

Enclosed is the February 1989 monthly report for FIN A1763, "Evaluation, Validation, Verification, and Documentation of the IMPACTS-BRC Computer Code." If you have any questions or comments, please contact me at (FTS) 844-8368 or Bill O'Neal at (FTS) 846-7079.

Sincerely,

Robert M. Cranwell

Robert M. Cranwell
Safety and Reliability Analysis
Division 6415

RMC:6415:bo

Enclosure

Copy to:

USNRC Office of Director, NMSS (Attn: PMDA)
USNRC Dr. M. R. Knapp, Director, DLLWMB
USNRC C.E. MacDonald, NMSS/TB
USNRC LLWM Docket Control Center
6410 D. A. Dahlgren
6415 File: FIN A1763
6415 B. L. O'Neal

8903270086 890314
PDR WMRES EXISANL
A-1763 PDC

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Program: Evaluation, Validation, Verification, and Documentation of the IMPACTS-BRC Computer Code. FIN: A1763

Contractor: Sandia National Laboratories BUDGET PERIOD: 10/88 -9/89

NRC PROGRAM MANAGER: C. J. Glenn BUDGET AMOUNT: \$125K

CONTRACT PROGRAM MANAGER: R. M. Cranwell FTS PHONE: 844-8368

PRINCIPAL INVESTIGATOR: B. L. O'Neal FTS PHONE: 846-7079

PROJECT OBJECTIVES

To validate, verify, document and make code changes as necessary so as to provide the NRC with a documented and defensible version of IMPACTS-BRC for subsequent use in BRC petitions.

ACTIVITIES DURING FEBRUARY 1988

The activities during February consisted of the following:

- (1) We finally received (March 14) the EPRI report pertaining to their critical assessment of IMPACTS-BRC. We have initiated a review of the findings. The report will be a valuable aid in the code revision process. The report should also add a degree of creditability to the code. I will mail you a copy of the report.
- (2) Work is continuing in the development of a data entry preprocessor for the code. We hope to have a working version within a couple of weeks. We will test the preprocessor using Version 1 of the code. Modification to the code itself will be done after we are assured the preprocessor is working correctly.
- (3) I received the package including the NRC manual chapters, computer software policy, and other BRC materials. They will be of value in the documentation process.
- (4) A letter was drafted (March 9) to clarify SNLA's position relating to future proposed work assignments relating to BRC issues. Five tasks were identified along with an estimate of time commitment and funding levels.