

NONCONFORMANCE REPORT

Project No. 20-5702-425

NCR No. 94-01

PART 1: DESCRIPTION OF NONCONFORMANCE

Surveillance 93-15 identified the following deficiencies in SEISM 1 code documentation:

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2/19/94

1. The Software Summary Form does not indicate version number (TOP-018, para. 5.4).
2. Software Summary Form states code is for a sun 4/260. User has version that runs on Sun Sparc 2 IPA or IPX systems (TOP-018, Appendix A, 14 and 15).
3. No objective evidence that the software tools PREFOR, FORWARN, CRAFT, and PCMetrics had been applied to this software package (TOP-18, para. 6.3.1).
4. No objective evidence found to indicate that the version test cases were reviewed by technical staff (TOP-18, para. 6.3 and 6.3.1).
5. No objective evidence could be found to indicate that the procedure-required list of authorized users had been generated (TOP-018, Appendix C and para. 8.1.3).
6. No objective evidence could be found to indicate that any copies of this program have been officially released to any user (TOP-018, Appendix C).
7. There is objective evidence (interview notes) to indicate that a copy of this software was released to the NRC during the spring of 1993 (TOP-018, Appendix C).

Initiated by:

Sam Malin

Date:

2/7/94

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Responsible: L. McKague

Disposition:

~~Accept as is~~ REMOVE FROM CM SYSTEM ATXMSK 2/17/94

Response due: 2/18/94

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2/19/94

Basis of Disposition:

SEISM 1 is not portable and requires significant changes.

Action to correct nonconformance:

See attached letter, McKague to Malin of 02/16/1994.

Target date for completion: 02/18/94

Proposed by:

Robert S. Johnson

Date: 02/17/94

PART 3: APPROVAL

Element Manager:

L. McKague

Date: 2/17/94

Director of QA:

Sam Malin

Date: 2/17/94

Comments/Instructions:

REMOVE THE SEISM 1 CODE FROM THE CNW2A CONFIGURATION MANAGEMENT SYSTEM AND CM LOG.

PART 4: CLOSE OUT

Comments:

CM Status Report dtd 2/25/94 indicates SEISM1 removed from CM system

Verified by:

John Smith

Date:

2/2/94

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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

MEMORANDUM

February 16, 1994

TO: B.E. Mabrito

FROM: H.L. McKague



SUBJECT: Your Memorandum (Form QAP-8) Regarding Conformance of **SEISM 1** to **TOP-18**

Because of the apparent condition of **SEISM 1**, we recommend that it not be put under configuration control for at least another 6 months. We estimate that it will take that long to resolve sources of technical problems that we have encountered.

The reasons for delaying configuration control for **SEISM 1** are that the code is not portable and significant programming changes will be required to make it **so**, we have found several undocumented input requirements which need to be tested with the code and there is a likelihood that additional undocumented requirements are yet to be found. Further; a fully successful calculation using **SEISM 1** with westerp U.S. data has not been accomplished at this time **so** we cannot verify the accuracy and precision of the code.

/ec
(D:\WPFILE\EC\B)

- cc: W. Patrick
- B. Sagar
- R. Baca
- R. Hofmann
- R. Johnson
- T. Ratchford