

# INTERIM CHANGE NOTICE

N-QA-023  
4/90

CN Number:

2

Effective Date:

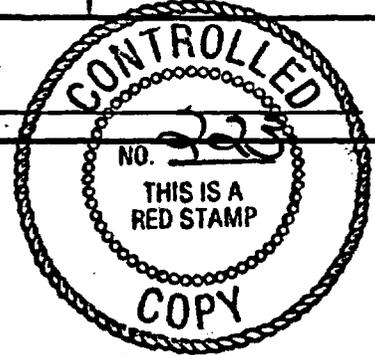
7/25/90

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Applies to:

Number OMP-03-01 Rev. 1 Title Peer Reviews

REQUIRED CHANGE(S): (Minor  Yes  No)



## PARAGRAPH

## CHANGE TO

2.0 APPLICABILITY

Add:

A peer review shall be used when the adequacy of information (e.g., data, interpretations, test results, design assumptions, etc.) or the suitability of procedures and methods essential to showing that the repository system meets or exceeds its performance requirements with respect to safety and waste isolation cannot otherwise be established through testing, alternate calculations or reference to previously established standards and practices.

A peer review shall be used when the adequacy of a critical body of information can be established by alternate means, but there is disagreement within the cognizant technical community regarding the applicability or appropriateness of the alternate means.

3.0 DEFINITIONS

3.1 PEER REVIEW

Change Definition to Read:

A documented critical review performed by personnel who are independent of those who performed the work but who have technical expertise at least equivalent to those who performed the original work. Peer reviews are in-depth, critical reviews and evaluations of documents, material or data that require interpretation or judgment to verify or validate assumptions, plans, results or conclusions or when the conclusions, material or data contained in a report go beyond the existing state of the art.

A peer review is an in-depth critique of assumptions, calculations, extrapolations, alternate

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## APPROVALS

Division Director *Maxwell Stewart*

Director, QA

*Robert J. ...*

Project Manager

*Paul ...*

Date

July 11, 1990

Date

7/16/90

Date

7/17/90

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CONTINUATION PAGE

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PARAGRAPH

CHANGE TO

4.4 PEER REVIEW  
TEAM MEMBERS

interpretations, methodology, and acceptance criteria employed, and of conclusions drawn in the original work. Peer reviews confirm the adequacy of work. In contrast to peer review, the term "technical review" refers to a review to verify compliance to predetermined requirements; industry standards; or common scientific, engineering, and industry practice.

Add the following after the first paragraph:

The number of peers comprising a peer review group shall vary commensurate with the following:

- a. The complexity of the work to be reviewed.
- b. Its importance to establishing that safety or waste isolation performance goals are met.
- c. The number of technical disciplines involved.
- d. The degree to which uncertainties in the data or technical approach exist.
- e. The extent to which differing viewpoints are strongly held within the applicable technical and scientific community concerning the issues under review.

The potential for technical or organizational partiality shall be minimized by selecting peers to provide a balanced peer review group.

The review team members must be independent from those who performed the work to be reviewed, and must have recognized and verifiable technical credentials in the subject matter to be reviewed (or a critical subset of the subject matter to be reviewed) to a degree at least equivalent to that needed for the original work.

Technical areas more central to the work to be reviewed shall receive proportionally more representation in the peer review group.