

# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

## NONCONFORMANCE REPORT

Project No. 20-3702-065

NCR No. 92-02

### PART 1: DESCRIPTION OF NONCONFORMANCE

Technical Report 92-001, Regional Groundwater Modeling of the Saturated Zone in the Vicinity of Yucca Mountain, Nevada, did not have the required QA review conducted nor was a QA review indicated as required by QAP-002 on the AP-6 Form (Document Review Request and Transmittal). CNWRA AP-6 Form from review package is attached.

Initiated by: Robert D. Brient

Date: 6/4/92

### PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Mabrito/Sagar

Disposition:

Accept as is.

Basis of Disposition:

All other required reviews, i.e., format, technical, and programmatic, were conducted and comments properly resolved. The lack of a QA review had no impact in this particular instance.

Action to correct nonconformance:

Clerical staff and Element Managers shall be reminded by memoranda to identify document types based on Table 1 of QAP-002 and to identify review types based on that figure of QAP-002 as well.

Target date for completion: 6/4/92

Proposed by:

Date:

### PART 3: APPROVAL

Element Manager:

Date:

Director of QA:

Date:

Comments/Instructions:

A completed copy of this Nonconformance Report shall be put in the QA Record file for Technical Report CNWRA 92-001, in addition to the NCR/Corrective Action folder.

### PART 4: CLOSE OUT

Comments: The memo reminding Ems and Support Staff of QAP-002 requirements was distributed 6/4/92. (memo is attached.)

Verified by:

Date:

# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

DOCUMENT REVIEW REQUEST AND TRANSMITTAL CONTROL (REF. QAP-002) CNWRA 92-001

ELEMENT MANAGER: **COMPLETE AS REQUIRED**

AUTHOR: M. Ahola, B. Sagar

DOCUMENT TITLE:

Regional Groundwater modeling of the saturated zone in the vicinity of Yucca Mountain, Nevada

DOCUMENT TYPE: IM

☐ CONTROLLED ☒ UNCONTROLLED

PROJECT: 20-3702-065 MILESTONE NUMBER: SUBJECT CODE:

TODAY'S DATE: 12/30/91 SCHEDULED TRANSMITTAL DATE: 1/10/92

REVIEW TYPES: *Check only those that are applicable. Affix reviewer name(s) as required.*

	Req'd Date	Review Complete Initials	Date
<input checked="" type="checkbox"/> <b>FORMAT</b> M. Gruhlke	1/6/92	Mag	12/31
<input checked="" type="checkbox"/> <b>TECHNICAL</b> (Attach CNWRA QAP Form 12-1) G. Wittmeyer, R. Green	1/6/92	GW	1/8/92
<input type="checkbox"/> <b>PEER</b> (Attach CNWRA QAP Form 13)			

☐ **CONCURRENCE**

☒ **PROGRAMMATIC**  
W. Patrick 1/6/92 W.P. 1/6/92

☐ **QA**

**TRANSMITTAL**

TO: G. Fortuna FROM: W. Patrick Sagar

COPIES TO: (Please add / delete names as required.)

☐ Standard Distribution (listed below).

Sharon Mearse  
Jesse Funches  
Shirley Fortuna  
Barbara Stiltenspole  
Sharon Rowe  
John Latz  
CNWRA Directors  
CNWRA Element Managers

M. Ahola  
M. Fedorline  
S. Caplan  
N. Eisenberg  
M. Lee (10) - dist to IPA members  
T. McCarter  
Margulies  
B. Hunkler

G. Wittmeyer  
Abraham  
Green  
K. Stolar  
Mantouff



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

## INSTRUCTIONS TO TECHNICAL REVIEWERS

### Technical Review Items to Verify

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TO: G. Wittmeyer, R. Green

SUBJECT: Review of Regional groundwater modeling of the saturated zone in the vicinity of Yucca Mt., NV

Please perform a Technical Review of the subject document in accordance with CNWRA QAP-002, verifying the specific items identified below. Technical comments shall be documented on the attached Comment Resolution Record and presented to the author for resolution as specified by QAP-002, paragraph 4.5.4.

Required review completion date: 1/6/92

#### TECHNICAL CORRECTNESS

- ☒ Assumptions are reasonable and clearly stated.
- ☒ Appropriate techniques are used.\*
- ☐ Computations are correct, calculations are documented and verified in accordance with QAP-014.
- ☐ Existing data are qualified (or exempted) in accordance with QAP-015.
- ☒ Conclusions are properly supported by correctly interpreted data.\*

\* Novel or beyond state-of-the-art techniques or significant uncertainties in data and interpretations warrant application of the Peer Review.

#### READABILITY

- ☒ Document is written for the intended audience, with correct grammar, syntax, and a minimum of scientific jargon.
- ☒ Illustrations and tables clearly present basic information and emphasize relationships.

#### CONTENT AND FORMAT

- ☒ Title reflects the objectives of the document.
- ☒ Abstract states purpose, describes study, and summarizes the pertinent results and conclusions.
- ☒ Introduction states the objectives and scope of the work and presents background information.
- ☒ Body of the manuscript is logically organized and presents the basic information.
- ☒ Conclusions and results summarize the principal findings and answer each of the objectives of the work.
- ☒ References are cited in the text and in the references section.

ELEMENT MANAGER

*Bruce J. Saper*

DATE:

*12/30/91*

COGNIZANT DIRECTOR

*[Signature]*

DATE:

*12/30/91*


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MEMORANDUM

June 4, 1992

TO: Directors  
Element Managers  
Support Staff

FROM: Bruce Mabrito 

SUBJECT: Document Review Requirements

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Based on an observation made during the recent internal audit, June 2-5, 1992, a document review was found to lack the required QA review for a Technical Report. The AP-6 form incorrectly identified the Document Type as an IM (Intermediate Milestone). Please review and retain for reference the attached Table 1 from QAP-002. The Document Type on the AP-6 form must be one of the types listed on this table, and the required reviews must be those indicated on this table.

If you have any questions, please contact me at Ext. 5149.

Attachment

RDB/blg

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## QUALITY ASSURANCE PROCEDURE

Proc. QAP-002

Revision 2

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TABLE 1. REVIEW REQUIREMENTS MATRIX

Review Type Reference	<u>Format</u> 4.2	<u>Technical/ Peer</u> 4.3/4.4	<u>Concurrence</u> 4.5	<u>Center Programmatic</u> 4.6	<u>QA</u> 4.7
<u>Technical Documents:</u>					
Reports on Research and Technical Assistance, NUREGS/CRs	X	X		X	X
Research Semi-Annual Reports:	X	X		X	X
PADB Documents		X	X		X
<u>Papers/Presentations:</u>					
Journal Articles, Proceedings, Conference Papers		X		X	
<u>Guidance Documents:</u>					
Draft Technical Positions, Rulemakings, and Regulatory Guides	X	X		X	X
<u>QA Program Documents:</u>					
CQAM, QAPs	X		X	X	X
TOPs	X	X		X	X
<u>Administrative/Fiscal Documents:</u>					
Operations Plans, Work Plans	X		X	X	X
Project Plans, Test Plans	X	X		X	X
Administrative Procedures	X		X	X	
Program Manager's Periodic Reports	X		X	X	