

# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

1/5

## NONCONFORMANCE REPORT

Project No. 20-5702-523; 20-5704-083; 20-5708-571

NCR No. 96-06

### PART 1: DESCRIPTION OF NONCONFORMANCE

Quality Assurance Procedure-012, Quality Assurance Records Control, Para. 3.4.1 states "QA records associated with technical activities shall be collected for records processing within one month after completion of the activities, or earlier, as appropriate."

Contrary to this requirement, the following documents were not submitted to Quality Assurance until after June 27, 1996: "CNWRA Perspective on Spent Fuel Corrosion and Aqueous Radionuclide Release" (AI 20-5702-523-545, sent to NRC on November 30, 1995); "An Approach for Predicting the Localized Corrosion of High-Level Radioactive Waste Container Materials" (AI 20-5702-523-545, sent to NRC on or about January 15, 1996); and Thermal Stability & Mechanical Properties of HLRW Container Materials: "Assessment of Carbon and Low-Alloy Steels--CNWRA Report 96-004" (IM 20-5708-571-620, sent to NRC on May 23, 1996). These three review documentation packages exceeded the one month requirement specified in QAP-012.

Initiated by: Bruce Mabrito

*Bruce Mabrito*

Date: July 8, 1996

### PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Disposition:

*records as they are.*

Basis of Disposition: *The records were complete, but delayed unduly.*

Action to correct nonconformance:

*Following verification of compliance with QAP-002, QA staff will notify ~~by~~ by e-mail of the requirement to submit the complete package to QA records. Target date for completion: 7/12/96*

Proposed by:

*N. Sridhar*

Date:

*7/12/96*

### PART 3: APPROVAL

Element Manager:

*N. Sridhar*

Date:

*7/12/96*

Director of QA:

*Bruce Mabrito*

Date:

*7/12/96*

Comments/Instructions:

*SEE ATTACHED E-MAIL NOTE. SE*

### PART 4: CLOSE OUT

*Discussions were held with Element Secretary on 7/15/96. In the CNWRA mgmt staff meeting 7/15/96 the procedure QAP-012 requirements were emphasized to Element Managers/Directors. Identified packages were not in QA records. 6/21/96*

Verified by:

*Bruce Mabrito*

Date:

*7/12/96*

Distribution:

Original - N. Sridhar, Affected EM  
B. Mabrito  
Other Element Managers  
B. Sagar  
H. Garcia  
R. Brient



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

## DOCUMENT REVIEW REQUEST AND TRANSMITTAL CONTROL (REF. QAP-002)

11/16  
2

### I. DOCUMENT INFORMATION

a. **TITLE:** CNWRA Perspective on Spent Fuel Dissolution and Release Rate

b. **DOCUMENT TYPE**

<input type="checkbox"/> Technical Report	<input type="checkbox"/> AP	<input type="checkbox"/> PADB	<input type="checkbox"/> Paper/Presentation *	<input type="checkbox"/> Project/Test Plan
<input checked="" type="checkbox"/> Guidance Document	<input type="checkbox"/> TOP	<input type="checkbox"/> CQAM/QAP	<input type="checkbox"/> OPs/Work Plan	<input type="checkbox"/> PMPR

\* Conference Title: \_\_\_\_\_

sponsoring Organization(s) \_\_\_\_\_ Location \_\_\_\_\_ Date(s) \_\_\_\_\_

### c. PROJECT INFORMATION

Project No. 20-5702-523 Milestone No. AT 20-5702-523-545 Subject Code 704.2

CNWRA DOCUMENT NO. Yes \_\_\_\_\_ No X Assigned No. CNWRA 95 -

d. **SCHEDULE** Today's Date Thurs., 11/15/95 Scheduled Transmittal Date Wed., 11/29/95

### II. RESPONSIBILITIES (Fill in names on each blank line in this section.)

Author(s) G. Cragnolino Element Manager N. Sridhar Assigned Secretary B. Garcia

EDIT LEVEL Low (CNWRA) ☒ High (SwRI) ☐

### III. REVIEW (see QAP-002 Table 1 for applicable review types)

Review Types & Reviewers Determined by Element Manager

N. Sridhar 11/16/95  
(EM Signature) (Date)

		Req'd Date	Initials	Review Complete Date
<input checked="" type="checkbox"/>	TECHNICAL. (Attach CNWRA Form QAP-12) Reviewer(s): <u>Peter Lichtner. Bobby Pabalan. Hersh Manaktala</u>	<u>11/21/95</u>	<u>Wes Patrick</u>	<u>11/22/95</u>
<input type="checkbox"/>	PEER (Attach CNWRA Form QAP-13) Reviewer(s):			
<input type="checkbox"/>	CONCURRENCE Reviewer:			
<input type="checkbox"/>	QA Reviewer:			
<input checked="" type="checkbox"/>	PROGRAMMATIC Reviewer: <u>Wes Patrick B. SAGAN</u>	<u>11/28/95</u>	<u>Bz</u>	<u>11/27/95</u>
<input checked="" type="checkbox"/>	FORMAT Reviewer: <u>Lee Selvev</u>	<u>11/29/95</u>	<u>LS</u>	<u>11/29/95</u>

Verification of Compliance with QAP-002

### IV. TRANSMITTAL

TO: Charles G. Interrante FROM: Narasi Sridhar

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

☐ Standard Distribution (listed below)

J. Linehan	K. Chang	EBS Staff (7)
S. Fortune	M. McNeil	S. Rowe (SwRI)
B. Stilteneple	B. Meehan	
J. Greeves	W. Patrick	
M. Federline	CNWRA Dirs.	
M. Bell	CNWRA Element Mgrs.	
R. Weller	G. Cragnolino	



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

## DOCUMENT REVIEW REQUEST AND TRANSMITTAL CONTROL (REF. QAP-002)

### I. DOCUMENT INFORMATION

a. TITLE: An Approach for Predicting the Localized Corrosion of High-Level Radioactive Waste Container Materials

b. DOCUMENT TYPE

<input type="checkbox"/> Technical Report	<input type="checkbox"/> AP	<input type="checkbox"/> PADB	X Paper/Presentation *	<input type="checkbox"/> Project/Test Plan
<input type="checkbox"/> Guidance Document	<input type="checkbox"/> TOP	<input type="checkbox"/> CQAM/QAP	OPs/Work Plan	<input type="checkbox"/> PMPR

\* Conference Title: 189th Meeting of The Electrochemical Society (TES)

Sponsoring Organization(s) The Electrochemical Society Location Los Angeles, CA Date(s) May 5-10, 1996

### c. PROJECT INFORMATION

Project No. 20-5704-083 Milestone No. AI 20-5702-523-545 Subject Code 804.4

CNWRA DOCUMENT NO. Yes ☐ No ☒ Assigned No. CNWRA 95 - N/A

d. SCHEDULE Today's Date Friday, 12/29/95 Scheduled Transmittal Date Friday, 1/15/96

### II. RESPONSIBILITIES (Fill in names on each blank line in this section.)

Author(s) G. Cragnolino, D. Dunn, and N. Sridhar Element Manager Narasi Sridhar Assigned Secretary Bonnie Garcia

EDIT LEVEL Low (CNWRA) ☐ High (SwRI) ☐

### III. REVIEW (see QAP-002 Table 1 for applicable review types)

Review Types & Reviewers Determined by Element Manager

N. Sridhar 12/29/95  
(EM Signature) (Date)

	Req'd Date	Initials	Review Complete Date
<input checked="" type="checkbox"/> TECHNICAL (Attach CNWRA Form QAP-12) Reviewer(s): <u>Peter Lichtner</u>	<u>1/8/96</u>	<u>PCL</u>	<u>1/15/96</u>
<input type="checkbox"/> PEER (Attach CNWRA Form QAP-13) Reviewer(s):			
<input type="checkbox"/> CONCURRENCE Reviewer:			
<input type="checkbox"/> QA Reviewer:			
<input checked="" type="checkbox"/> PROGRAMMATIC Reviewer: <u>Wes Patrick</u>	<u>1/12/96</u>	<u>WP</u>	<u>1/24/96</u>
<input type="checkbox"/> FORMAT Reviewer: <u>N/A</u>			

Verification of Compliance with QAP-002

RS 1/29/96

### IV. TRANSMITTAL

TO: Shirley L. Fortuna FROM: Budhi Sagar

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

☐ Standard Distribution (listed below)

<u>J. Linehan</u>	<u>M. McNeil</u>
<u>B. Stiltgenpole</u>	<u>W. Patrick</u>
<u>B. Meehan</u>	<u>CNWRA Directors</u>
<u>B. Morris</u>	<u>CNWRA Element Managers</u>
<u>F. Costanzi</u>	<u>D. Dunn</u>
<u>S. Bahadur</u>	<u>S. Rowe (SwRI)</u>
<u>J. Randall</u>	



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

## DOCUMENT REVIEW REQUEST AND TRANSMITTAL CONTROL (REF. QAP-002)

### I. DOCUMENT INFORMATION

a. TITLE: Thermal Stability & Mechanical Properties of HLRW Container Materials: Assessment of . . . —CNWRA Report

#### b. DOCUMENT TYPE

☒ Technical Report ☐ AP ☐ PADB ☐ Paper/Presentation \* ☐ Project/Test Plan  
☐ Guidance Document ☐ TOP ☐ CQAM/QAP ☐ OPs/Work Plan ☐ PMPR

\* Conference Title: \_\_\_\_\_

Sponsoring Organization(s) \_\_\_\_\_ Location \_\_\_\_\_ Date(s) \_\_\_\_\_

#### c. PROJECT INFORMATION

Project No. 20-5708-571 Milestone No. (IM) 20-5708-571-620 Subject Code \_\_\_\_\_

CNWRA DOCUMENT NO. Yes \_\_\_\_\_ No X Assigned No. CNWRA 96 - 001

d. SCHEDULE Today's Date \_\_\_\_\_ day, 5/ /96 Scheduled Transmittal Date Thursday, 5/23/96

### II. RESPONSIBILITIES (Fill in names on each blank line in this section.)

Author(s) Gustavo A. Cragnolino Element Manager N. Sridhar Assigned Secretary B. Garcia

EDIT LEVEL Low (CNWRA) ☐ High (SwRI) ☒

### III. REVIEW (see QAP-002 Table 1 for applicable review types)

Review Types & Reviewers Determined by Element Manager

N. Sridhar 5/17/96  
(EM Signature) (Date)

	Req'd Date	Initials	Review Complete Date
<input checked="" type="checkbox"/> TECHNICAL (Attach CNWRA Form QAP-12) Reviewer(s): <u>Fred F. Lyle, Jr.</u>	<u>5/17/96</u>	<u>F.F.L.</u>	<u>5/22/96</u>
<input type="checkbox"/> PEER (Attach CNWRA Form QAP-13) Reviewer(s):			
<input type="checkbox"/> CONCURRENCE Reviewer:			
<input type="checkbox"/> QA Reviewer:			
<input checked="" type="checkbox"/> PROGRAMMATIC Reviewer: <u>Wes Patrick</u>	<u>5/18/96</u>	<u>WP</u>	<u>5/22/96</u>
<input checked="" type="checkbox"/> FORMAT Reviewer: <u>Art Ramos</u>	<u>5/21/96</u>	<u>AR</u>	<u>5/22/96</u>

Verification of Compliance with QAP-002

NOTE: Type on Absentee list identified BSM 5/23/96

### IV. TRANSMITTAL

TO: John Bradbury FROM: Narasi Sridhar

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

☐ Standard Distribution (listed below)

<u>J. Linehan</u>	<u>D. Brooks</u>	<u>W. Patrick</u>
<u>S. Fortuna</u>	<u>R. Codell</u>	<u>CNWRA Dirs.</u>
<u>B. Stiltenspole</u>	<u>J. Austin</u>	<u>CNWRA Element Mgrs.</u>
<u>J. Greeves</u>	<u>J. Thoma</u>	<u>EBS Staff (6)</u>
<u>M. Federline</u>	<u>K. Chang</u>	<u>S. Rowe (SwRI)</u>
<u>M. Bell</u>	<u>B. Meehan</u>	
<u>R. Weller</u>		

[43] From: Bruce Mabrito 7/12/96 12:35PM (1087 bytes: 17 ln)  
To: Robert Brient  
cc: Linda Hearon  
bcc: Bruce Mabrito  
Subject: NOTIFICATION OF COMPLETION OF QAP-002 REQUIREMENTS

..... Message Contents -----

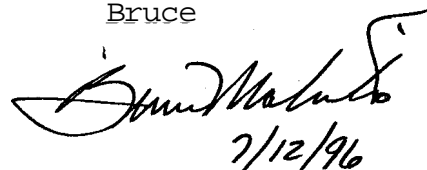
Bob,

Effective immediately, and in concert with corrective action resolution of NCR No. 96-06, whenever we complete the Verification of Compliance with QAP-002" required action on the AP-6-2 form, we need to notify at least Linda Hearon that she should expect a review folder on the document within three work days.

This will allow better tracking of the outgoing product and ensure that we can "bird dog" the Elements to provide the review documentation in an acceptable and timely manner.

I propose that we send an E-mail note to Linda and the Element Secretary notifying them that we have signed off the Verification of Compliance with QAP-002. List the document and the IM number, also.  
Thanks.

Bruce



7/12/96