

GEOSCIENCES AND ENGINEERING DIVISION NONCONFORMANCE REPORT

Project No. 06002.01.222

NCR No. 2006-07

PART 1: DESCRIPTION OF NONCONFORMANCE

Abstract "Thermodynamic Modeling of Brine Chemistry in the In-Drift Environment of a Potential High-Level Nuclear Waste Repository at Yucca Mountain, Nevada and Presentation "Thermodynamic Modeling of the In-Drift Chemical Environment of a Potential High-Level Nuclear Waste Repository at Yucca Mountain, Nevada using OLI Software" were revised on instruction from NRC, however the revised documents transmitted to NRC did not receive the required QAP-002 verification by QA. In the case of the presentation, the AP-6 form did not indicate that reviews were exempted.

Initiated by: R. Brient Date: 2/1/2006

Action Required by: E. Pearcy Response Due Date: 2/15/2006

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Disposition: Accept documents as they are.

Basis of Disposition: Although QAP-002 reviews were not done, and for the presentation the AP-6 form did not indicate that reviews were exempted, the intention was that technical and programmatic reviews were not required because of the limited nature of the changes. QAP-002 reviews will be performed to confirm.

Action to Correct Nonconformance:

- Amend the existing files
- Conduct QAP-002 reviews of the files
- Submit revised AP-6 to QA records

Target date for completion: 2/3/2006

Proposed by: P.C. Brient

Date: 2/3/2006

PART 3: APPROVAL

Manager: P.C. Brient

Date: 2/3/2006

Director of QA: Rd/Kuehl

Date: 2/3/06

Comments/Instructions:

Support staff are now aware of the requirement to re-review each revision. RDB 2/3/06

PART 4: CLOSE OUT

Comments:

No additional action is needed

Verified by: Rd/Kuehl

Date: 2/3/06

Distribution:

Original-CENTER QA Records

ORIGINATOR

~~PRINCIPAL INVESTIGATOR~~

MANAGER E. Pearcy

ASSISTANT DIRECTOR G.W. Hulse



GEOSCIENCES AND ENGINEERING DIVISION
DOCUMENT REVIEW REQUEST AND TRANSMITTAL CONTROL (REF. QAP-002)

I. DOCUMENT INFORMATION

a. TITLE: REVISED Thermodynamic Modeling of the In-Drift Chemical Environment of a Potential High-Level Nuclear Waste Repository Using OLI....

b. DOCUMENT TYPE

<input type="checkbox"/> Technical Reports	<input type="checkbox"/> COAM, QAPs, APs	<input type="checkbox"/> Abstracts*	<input type="checkbox"/> Posters*
<input type="checkbox"/> Guidance Documents	<input type="checkbox"/> TOPs	<input type="checkbox"/> Conference Papers*	<input checked="" type="checkbox"/> Presentations*
<input type="checkbox"/> Operations Plans, Proposals	<input type="checkbox"/> Project, Test, Validation Plans	<input type="checkbox"/> Journal Articles*	*Peer Reviewed Y <input type="checkbox"/> N <input type="checkbox"/>

* Conference/Journal Title/Date/Location/Publisher/City, State: 23rd OLI Users Conference
Oct. 5-6, 2005 Parsippany, NJ

Special Markings: Predecisional: Y ☐ N ☒ Proprietary: Y ☐ N ☒ Other: _____ High-Level Waste Y ☐ N ☒

Copyright Permission Required and Obtained: Y ☐ N ☒

c. PROJECT INFORMATION

Project No. 06002.01.212 Milestone No. N/A Subject Code N/A

CNWRA DOCUMENT NO. Y ☐ N ☒ Assigned No. CNWRA 200X-XXX

d. SCHEDULE Today's Date Aug. 29, 2005 Scheduled Transmittal Date Sept. 1, 2005

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

Author(s) R. Pabalan Manager E. Percy Assigned Secretary N. Naukam

III. REVIEW (See QAP-002 table 1 for applicable review types.)

Review Types & Reviewers Determined by Manager

	Req'd Date	Initials	(Date) Completed
<input checked="" type="checkbox"/> TECHNICAL (Attach form QAP-12.) Reviewer(s): <u>Jim Myers</u>	<u>8/30/05</u>	<u>E.C. Percy</u>	<u>10/18/2005</u>
<input type="checkbox"/> PEER (Attach form QAP-13.) Reviewer(s):			
<input type="checkbox"/> EDITORIAL Reviewer:			
<input type="checkbox"/> CONCURRENCE Reviewer:			
<input type="checkbox"/> QUALITY ASSURANCE Reviewer:			
<input checked="" type="checkbox"/> PROGRAMMATIC/COPYRIGHT PERMISSION VERIFIED Reviewer: <u>G. Wittmeyer</u>	<u>8/31/05</u>		
<input type="checkbox"/> FORMAT Reviewer/Style:			

Not required
ECB 2/5/2006

Verification of Compliance with QAP-002

Geosciences and Engineering Division calculations and analyses supporting this report are documented in Scientific Notebook(s): 697E

IV TRANSMITTAL

TO: D. DeMarco FROM: E. Percy

COPIES TO: (Use "Guidelines for Minimum Distribution of Correspondence.")

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_____	_____	_____	_____
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_____	_____	_____	_____



GEOSCIENCES AND ENGINEERING DIVISION
DOCUMENT REVIEW REQUEST AND TRANSMITTAL CONTROL (REF. QAP-002)

I. DOCUMENT INFORMATION

a. TITLE: Thermodynamic Modeling of Brine Chemistry in the In-Drift Environment of a Potential High Level Nuclear Waste Repository at Yucca Mountain, Nevada

b. DOCUMENT TYPE

<input type="checkbox"/> Technical Reports	<input type="checkbox"/> CQAM, QAPs, APs	<input checked="" type="checkbox"/> Abstracts*	<input type="checkbox"/> Posters*
<input type="checkbox"/> Guidance Documents	<input type="checkbox"/> TOPs	<input type="checkbox"/> Conference Papers*	<input type="checkbox"/> Presentations*
<input type="checkbox"/> Operations Plans, Proposals	<input type="checkbox"/> Project, Test, Validation Plans	<input type="checkbox"/> Journal Articles*	*Peer Reviewed Y <input type="checkbox"/> N <input type="checkbox"/>

* Conference/Journal Title/Date/Location/Publisher/City, State: 23rd Users Conference
October 5-6, 2005 Parsippany, NJ

Special Markings: Predecisional: Y ☐ N ☐ Proprietary: Y ☐ N ☐ Other: High-Level Waste Y ☐ N ☐

Copyright Permission Required and Obtained: Y ☐ N ☒

c. PROJECT INFORMATION

Project No. 06002.01.212 Milestone No. N/A Subject Code N/A

CNWSA DOCUMENT NO. Y ☐ N ☒ Assigned No. CNWSA 200X-XXX

d. SCHEDULE Today's Date June 15, 2005 Scheduled Transmittal Date _____

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

Author(s) R. Pabalan, L. Yang, A. Jain Manager E. Percy Assigned Secretary N. Naukam

III. REVIEW (See QAP-002 table 1 for applicable review types.)

Review Types & Reviewers Determined by Manager

<input type="checkbox"/>	TECHNICAL (Attach form QAP-12.) Reviewer(s):
<input type="checkbox"/>	PEER (Attach form QAP-13.) Reviewer(s):
<input type="checkbox"/>	EDITORIAL Reviewer: * Optional
<input type="checkbox"/>	CONCURRENCE Reviewer:
<input type="checkbox"/>	QUALITY ASSURANCE Reviewer:
<input type="checkbox"/>	PROGRAMMATIC/COPYRIGHT PERMISSION VERIFIED Reviewer:
<input type="checkbox"/>	FORMAT Reviewer/Style:

E.C. Day 6/15/2005
(Manager Signature) (Date)
Req'd Date Initials Completed

Not required. Material previously reviewed internally and approved by ECD 6/15/2005

Verification of Compliance with QAP-002 _____

RDS 2/3/06

Geosciences and Engineering Division calculations and analyses supporting this report are documented in Scientific Notebook(s): See NCR-2006-07

IV TRANSMITTAL

TO: D. DeMarco FROM: G. Wittmeyer

COPIES TO: (Use "Guidelines for Minimum Distribution of Correspondence.")

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