

1/6



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

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

ELEMENT MANAGER: **COMPLETE AS REQUIRED**

AUTHOR: M. Miklas and H. Lefevre

DOCUMENT TITLE: CDS for RR2012: Potentially Adverse Condition-Structural Deformation

DOCUMENT TYPE: Intermediate Milestone

<input type="checkbox"/>	CONTROLLED	<input checked="" type="checkbox"/>	UNCONTROLLED
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PROJECT:	20-3702-002	MILESTONE NUMBER:	3702-002-100-008	SUBJECT CODE:	703.6
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TODAY'S DATE: September 9, 1992	SCHEDULED TRANSMITTAL DATE: 09/16/92
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REVIEW TYPES: *Check only those that are applicable. Affix reviewer name(s) as required.*

	Req'd Date	Review Complete Initials	Review Complete Date
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<input checked="" type="checkbox"/> <b>FORMAT</b> P. Mackin	09/15/92	<i>[Signature]</i>	10/21/92
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<input checked="" type="checkbox"/> <b>TECHNICAL(Attach CNWRA QAP Form 12-1)</b> D. Turner	09/15/92	<i>[Signature]</i>	10/22/92
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<input type="checkbox"/> <b>PEER(Attach CNWRA QAP Form 13)</b>			
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<input checked="" type="checkbox"/> <b>CONCURRENCE</b> B. Sagar	09/15/92	<i>[Signature]</i>	10/26/92
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<input type="checkbox"/> <b>PROGRAMMATIC</b>			
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<input checked="" type="checkbox"/> <b>QA</b> B. Mabrito or B. Brient	09/15/92	<i>[Signature]</i>	10/21/92
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### TRANSMITTAL

TO: K. McConnell FROM: P. Mackin

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

- Standard Distribution (listed below).
- Sharon Mearse \_\_\_\_\_
- Malcolm Knapp \_\_\_\_\_
- Willard Brown \_\_\_\_\_
- Barbara Stiltenspole \_\_\_\_\_
- Sharon Rowe \_\_\_\_\_
- John Latz \_\_\_\_\_
- CNWRA Directors \_\_\_\_\_
- CNWRA Element Managers \_\_\_\_\_
- Margaret Federline \_\_\_\_\_



**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES**  
**INSTRUCTIONS TO TECHNICAL REVIEWERS**  
**Technical Review Items to Verify**

**TO:** D. Turner

**SUBJECT:** Review of CDS For RR2012

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:* 09/16/92

**TECHNICAL CORRECTNESS**

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

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**

<input checked="" type="checkbox"/>
<input type="checkbox"/>

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**

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

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.

<b>ELEMENT MANAGER</b> <i>P. Ch...</i>	<b>DATE:</b> 9/9/92	<b>COGNIZANT DIRECTOR</b> <i>Richard J. ...</i>	<b>DATE</b> 9/15/92
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# CNWRA REPORT REVIEW / COMMENT RESOLUTION RECORD

PAGE / OF / PAGES

PROJECT NUMBER 20-3702-002	DOCUMENT DATE: 09/09/92	DOCUMENT NUMBER: 3702-002-100-008
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TITLE: CDS for RR2012: Potentially Adverse Condition - Structural Deformation

The comments shown below address questions and concerns of a technical and/or programmatic nature which arose in this review. Because of possible implications, they require action and response.

RESPONSE:  
(Write "accept" and note briefly how comment was incorporated, or give justification if rejected.)

- ① Minor editorial comments noted in text.
- ② There are numerous references to uncertainties and their effect on compliance with performance objectives. Specific examples are needed (see pg. 3 in text).
- ③ Pg. 6 - Reason (2) is the reason given for the Type 4 review.

- ① Accepted. Change made.
- ② Accepted. Sections edited.
- ③ Accepted. Section edited.

References checked } No response  
Title is appropriate } required.

REVIEWER SIGNATURE: David P. Juma DATE: 09/15/92

RESPONDER SIGNATURE: SR/ave DATE: 10-16-92

Response accepted by: David P. Juma 10/22/92  
Signature Date

If resolution cannot be achieved, the matter shall be elevated to the next level of authority.  
Distribution: This completed form shall be maintained in a record file.

# CNWRA REPORT REVIEW / COMMENT RESOLUTION RECORD

PAGE OF PAGES

PROJECT NUMBER

20-3702-002

DOCUMENT DATE:

09/09/92

DOCUMENT NUMBER:

3702-002-100-008

TITLE: CDS for RR2012: Potentially Adverse Condition - Structural Deformation

The comments shown below address questions and concerns of a technical and/or programmatic nature which arose in this review. Because of possible implications, they require action and response.

RESPONSE:  
(Write "accept" and note briefly how comment was incorporated, or give justification if rejected.)

1. Looks good; one possible editorial on page 5! No response needed.

① *Hubert. Edberg*

REVIEWER SIGNATURE:

*Michael J. Jansen*

DATE:

9/11/92

RESPONDER SIGNATURE:

\_\_\_\_\_

DATE:

Response accepted by:

*Michael J. Jansen*

Signature

10/28/92

Date

If resolution cannot be achieved, the matter shall be elevated to the next level of authority.

Distribution: This completed form shall be maintained in a record file.

# CNWRA REPORT REVIEW / COMMENT RESOLUTION RECORD

PAGE OF PAGES

PROJECT NUMBER

20-3702-002

DOCUMENT DATE:

09/09/92

DOCUMENT NUMBER:

3702-002-100-008

TITLE: CDS for RR2012: Potentially Adverse Condition - Structural Deformation

The comments shown below address questions and concerns of a technical and/or programmatic nature which arose in this review. Because of possible implications, they require action and response.

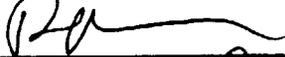
RESPONSE:  
(Write "accept" and note briefly how comment was incorporated, or give justification if rejected.)

① Format comments appear as marginalised throughout

① Accepted. Changes made.

②

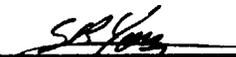
REVIEWER SIGNATURE:



DATE:

9/14/92

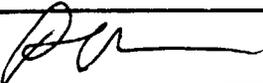
RESPONDER SIGNATURE:



DATE:

10-16-92

Response accepted by:



10/21/92

Signature

Date

If resolution cannot be achieved, the matter shall be elevated to the next level of authority.

Distribution: This completed form shall be maintained in a record file.

# QUALITY ASSURANCE DOCUMENT REVIEW

PAGE 1 OF 1 PAGES

PROJECT NUMBER

20-3702-002

DOCUMENT DATE:

10/19/92

DOCUMENT NUMBER:

TITLE: CDS for RK 2012; PAC - Structural Deformation

The comments shown below address conditions that may have quality implications and may require corrective action and response.

RESPONSE:

1. Verified completion of format, technical, & concurrences reviews and resolution of comments.

1. NA.

2. NO QA issues identified.

2. NA

REVIEWER SIGNATURE:

DATE:

10/27/92

RESPONDER SIGNATURE:

DATE:

QA verification of changes and/or acceptance of response:

by

Signature

Date