



**Department of Energy**

Washington, DC 20585

QA: QA

**AUG 21 2002**

T. W. Doering  
Bechtel SAIC Company, LLC  
1180 Town Center Drive, M/S 423  
Las Vegas, NV 89144

EVALUATION OF COMPLETE RESPONSE TO, VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF DEFICIENCY REPORT (DR) LLNL(O)-02-D-108 RESULTING FROM THE OFFICE OF QUALITY ASSURANCE (OQA) AUDIT LLNL-ARC-02-07

The OQA staff evaluated the complete response to DR LLNL(O)-02-D-108, verified the corrective actions, and determined the results to be satisfactory. As a result, the DR is considered closed.

There is no impact to waste isolation, safety, or other work as a result of the condition adverse to quality identified in this DR.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or John R. Doyle at (702) 794-5021.



Ram B. Murthy, Acting Director  
Office of Quality Assurance

OQA:JB-1663

Enclosure:  
DR LLNL(O)-02-D-108



Printed with soy ink on recycled paper

NMSS 07  
WMH

AUG 21 2002

cc w/encl:

N. K. Stablein, NRC, Rockville, MD  
Robert Latta, NRC, Las Vegas, NV  
S. W. Lynch, State of Nevada, Carson City, NV  
Engelbrecht von Tiesenhausen, Clark County, Las Vegas, NV  
V. J. Barish, BSC/LLNL, Livermore, CA  
K. G. Hess, BSC, Las Vegas, NV  
R. W. Andrews, BSC, Las Vegas, NV  
G. K. Beall, BSC, Las Vegas, NV  
S. H. Horton, BSC, Las Vegas, NV  
R. P. Keele, BSC, Las Vegas, NV, M/S 280  
D. T. Krishna, BSC, Las Vegas, NV  
T. J. Wall, BSC, Las Vegas, NV  
D. M. Kunihiro, BSC, Las Vegas, NV  
N. H. Williams, BSC, Las Vegas, NV  
J. R. Doyle, NQS, Las Vegas, NV  
W. J. Glasser, NQS, Las Vegas, NV  
D. G. Opielowski, NQS, Las Vegas, NV  
J. R. Dyer, DOE/YMSCO, Las Vegas, NV  
C. E. Hampton, DOE/YMSCO, Las Vegas, NV  
D. G. Horton, DOE/YMSCO, Las Vegas, NV  
J. M. Replogle, DOE/YMSCO, Las Vegas, NV  
P. R.Z. Russell, DOEYMSCO, Las Vegas, NV  
B. M. Terrell, DOE/YMSCO, Las Vegas, NV

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

8.  DEFICIENCY REPORT  
 CORRECTIVE ACTION REPORT  
NO. LLNL(O)-02-D-108  
PAGE 1 OF  
QA: QA

DEFICIENCY REPORT/CORRECTIVE ACTION REPORT

1. Controlling Document: (Document ID and Revision or Date)  
033-YMP-QP 3.3, Rev. 5, CN 3.3-5.3

2. Related Report No.:  
LLNL-ARC-02-07

3. Responsible Organization:  
Lawrence Livermore National Laboratory (LLNL)

4. Discussed With:  
Vic Barish, Charlie Warren

5. Requirement:  
033-YMP-QP 3.3, Rev. 5, CN 3.3-5-3, "Review of Technical Publications," paragraph 3.3.5.8 states in part: "LLNL-YMP-Technical Review Approval, each reviewer must sign on Technical Review Approval Sheet (form YMP 069) . . . ."

6. Description of Condition:  
Contrary to the requirement in block 5, LLNL Report UCRL-JC-146506, "Microbiologically-Facilitated effects on the Surface Composition of Alloy 22-A Candidate Nuclear Waste Packaging Material" has not undergone the Engineering Assurance Manager's review.

Has work been stopped?  Yes  No

7. Initiator:  
John R. Doyle *John R. Doyle* 4/25/02  
Printed Name Signature Date

9. Does a stop work condition exist?  
 Yes  No  N/A  
If Yes, Check One:  A  B  C  D

10. Recommended Actions:  
NONE -

11. QA Review:  
JOHN R. DOYLE *John R. Doyle* 4/25/02  
Printed Name Signature Date

12. Response Due Date:  
10 Working Days after Issuance

13. QAM Issuance Approval:  
Printed Name *Ram Murnay* Signature *James B. Blaylock* Date 5/1/02

14. Corrective Actions Verified/Closure  
*John R. Doyle* *John R. Doyle* 08/09/02.  
QAR Printed Name Signature Date

15. QAM/Closure Approval:  
*John R. Doyle* - *RAM Murnay* 8/2/02  
Printed Name Signature Date

5/22/02  
(6)

Submittal Page 1 of 1  
2. Check if Amended   
3. Extended Processing  
 No  Yes (If yes, submit  
Extended Processing request)

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

1. DR/CAR NO. LLNL-02-D-108  
PAGE OF  
QA: QA

DEFICIENCY REPORT/CORRECTIVE ACTION REPORT INITIAL RESPONSE

4. Immediate Actions Necessary to Bring the Process Under Control: (If none, provide justification statement)  
None at this time. The condition adverse to quality cited in block 6 of this DR is the only example currently identified. If, during the extent of condition investigations, additional examples of the cited example are identified, appropriate corrective actions will be taken and documented and an amended response to this initial response will be submitted.

Date when process will meet requirements: 5/15/2002

5. Immediate Remedial Actions Completed:  
None.  
Remedial actions will be provided in the complete response.

6. Plan for Determining the Extent of Condition:  
The Engineering Assurance Manager and staff will review the documentation for LLNL YMP publications processed in the last year to assure that processing was appropriate. Documents and/or document record packages reviewed will be documented and remedial actions, if any, will be documented.

7. Due Date for Submittal of Completed Response:  
6/28/2002

8. Response by: (Responsible Manager)  
T. Doering 5.20.02  
Printed Name Signature Date

9. QAR Evaluation:  Accept  Partially Accept  Reject  
JOHN R. DOYLE 5/23/02  
Printed Name Signature Date

10. QAM Concurrence:  
RAM MURPHY 5/30/02  
Printed Name Signature Date

Submittal Page 1 of 2

- 2. Check if Amended
- Check if also Initial Response
- 3. Extended Processing
- No  Yes (If yes, submit Extended Processing request)

**OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.**

1. DR/CAR NO. LLNL-02-D-108  
PAGE OF Aug 8/2/02  
QA: QA

**DEFICIENCY REPORT/CORRECTIVE ACTION REPORT COMPLETE RESPONSE**

4. Extent of Condition: (Amended response will be required if all Extent of Condition investigations are not complete and documented herein)

The Engineering Assurance Manager (EAM) reviewed documentation related to publications/papers processed for review at LLNL dating to 5/1/2001. The packages reviewed and required remedial actions are documented on Attached A to this DR. In addition to the publication documented in block 6 of the initial DR, there were three additional publication packages for which no EAM review had been performed subsequent to the technical review and resolution of comments. These publications are identified in rows 25, 29, and 44 of Attachment A, i.e., UCRL-JC-146241, UCRL-JC-146506, AND, UCRL-JC-141552 respectively. The remainder of the publications were determined to be in-process or EAM reviews had been completed. (Continued on continuation page.)

5. Impact: (Provide an impact statement relative to waste isolation and safety, and impact to other work, if any)  
There is no impact to waste isolation, safety, or other work as a result of the condition adverse to quality identified in this DR. For use on the project, information published in journals, conference papers, etc. must be processed through project procedures prior to being used for quality affecting work/activities.

6. Remedial Actions: (Document all actions necessary to address the results of the Extent of Condition)  
The EAM will perform and document the reviews for UCRL-JC-146241, UCRL-JC-146506, and UCRL-JC-141552. Action will be completed by 7/30/02.

- 7.  Root Cause (For a significant CAQ, attach results of formal root cause determination prepared in accordance with AP-16.4Q)
- Apparent Cause

During the extent of condition investigation it became clear that the primary reason that EAM reviews were missed was that the LLNL YMP Publication Manager position was vacant and multiple personnel were filling in as available. This resulted in partial files being created by different individuals with no one knowing the exact status of each publication. Additionally, the EAM position was only filled part-time from April 2001 until January 2002 which resulted in management attention being placed on higher priority work.

8. Action to Preclude Recurrence: (Address those actions necessary to prevent the identified cause from recurring)  
LLNL filled the position of Publications Administrator with a full-time individual, Pat Fontes, in July 2002. All publications will now be processed/statused by the same individual. Additionally, the position of Engineering Assurance Manager was filled with a full-time individual, Vic Barish, in January 2002. This provides the management position required to assure that publications are properly processed. Actions to preclude recurrence for the causes identified in block 7 above were complete 7/15/2002 with the assignment of the Publications Administrator.  
Although not determined to be a cause of this deficient condition, LLNL procedure 033-YMP-QP 3.3 will be reclassified as non-Q and links to the requirements traceability network processed for deletion by 8/4/2002.

9. Due Date for Completion of Corrective Action:  
8/4/2002

10. Responsible Manager:  
[Signature] 8/1/02  
[Signature] 8/2/02  
Printed Name Signature Date

11. QAR Evaluation:  Accept  Partially Accept  Reject  
NOT SIGNIFICANT 08/09/02.  
[Signature] 08/09/02.  
Printed Name Signature Date

12. QAM Concurrence:  
[Signature] 8/2/02  
RAM MURPHY 8/2/02  
Printed Name Signature Date

**OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.**

DR/CAR/QO  
 SWO

NO. LLNL(O)-02-D-108  
PAGE            OF  
                    **QA: QA**

**CONDITION ADVERSE TO QUALITY CONTINUATION PAGE**

Complete Response (continued)

Block 4 - Extent of Condition (continued)

During the process of finding, consolidating, and reviewing the packages identified in Attachment A, it was determined that the LLNL YMP procedure, 033-YMP-QP'3.3, used to process technical publications should now be classified as a QA:N/A procedure in consonance with project procedure, AP-IST-004. The requirement to define a process within LLNL for Yucca Mountain Project related technical publications is still necessary, however, which is why the procedure will not be cancelled. Changing the QA classification of this procedure to QA: N/A also necessitates that links to the Requirements Traceability Network be deleted. During the extent of condition investigation it became clear that the primary reason that EAM reviews were missed was that the LLNL YMP Publication Manager position was vacant and multiple personnel were filling in as available. This resulted in partial files being created by different individuals with no one knowing the exact status of each publication. The files are all now centrally located and are being processed by a newly assigned individual as the Publications Administrator. Since this process will now be non-Q, record packages will be designated as QA: N/A

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

DR/CAR/QO  
 SWO

NO. LLNL--02-D-108  
PAGE OF  
QA: QA

CONDITION ADVERSE TO QUALITY CONTINUATION PAGE

Verification of Corrective Actions to Deficiency Report LLNL-02-D-108

Block 4. Extent of Condition:

See Complete Response

Block 5. Impact:

See Complete Response

Block 6. Remedial Actions:

Verified that Technical Reviewer's Comment Forms have been completed by the Engineering Assurance Manager for the following publications \* :

"Analysis of Geomechanical Behavior for the Drift Scale Test" UCRL-JC-141552, dtd. 08/05/02

"Microbiological-Facilitated Effect on the Surface Composition of Alloy 22, a Candidate Nuclear Waste Packaging Material" UCRL-JC-146506, dtd. 7/30/02

"Waste Package Environment for the Yucca Mountain Site Characterization Project" UCRL-JC-146241, dtd. 07/30/02

\* Note: Extent of Condition response makes note of "three additional publications", examination of Attachment A and Block 6 of the DR reveals a duplication of #146506 publication which makes the total extent of condition population there rather than the four implied in Block 4.

Block 7. Root Cause:

See Complete Response

Block 8 Action to Prevent Recurrence:

Verified LLNL Organizational Chart for the EAM (V. Barish) and with Position Description of the Publication Administrator for P. Fomtes. (See Attachment B)

In addition, verified 033-YMP-QP 3.3 "Review of Technical Publications" Rev 5 approved 08/02/02 which has been reclassified as Non-Q and the update to the Requirements Traceability Network (See Attachment C) .

The above committed corrective actions have been satisfactorily verified. This Deficiency Report is considered closed.

QAR John R. Doyle  
John R. Doyle

Date: 08/09/02

## ATTACHMENT A TO LLNL(O)-02-D-108 COMPLETE RESPONSE

## EXTENT OF CONDITION INVESTIGATION FOR DEFICIENCY REPORT LLNL(O)-02-D-108

REVIEWED THE FOLLOWING PUBLICATION PACKAGES DATING FROM 5/1/2001 FOR OBJECTIVE EVIDENCE OF ENGINEERING ASSURANCE MANAGER REVIEW.

	Document Number	Title	Date	Comment	Remedial Action Taken
1	UCRL-ID-132246, Rev. 2	Large Block Test Final Report, Rev. 2	12/2001	EAM reviewed 2/1/02	None required
2	Not yet assigned	Characterization of the Corrosion Behavior of Alloy 22 regarding its Lifetime Performance as a Potential Nuclear Waste Container Material	None assigned	In process	None required
3	UCRL-JC-145280	Analysis of Thermohydrologic behavior for Above-Boiling and below-Boiling Thermal-Operating Modes for a Repository at Yucca Mountain	2/11/02	EAM reviewed 6/7/02	None required

## ATTACHMENT A TO LLNL(O)-02-D-108 COMPLETE RESPONSE

## EXTENT OF CONDITION INVESTIGATION FOR DEFICIENCY REPORT LLNL(O)-02-D-108

REVIEWED THE FOLLOWING PUBLICATION PACKAGES DATING FROM 5/1/2001 FOR OBJECTIVE EVIDENCE OF ENGINEERING ASSURANCE MANAGER REVIEW.

4	UCRL-JC-148018	Validation of the Multiscale Thermohydrologic Model Used for Analysis of a Repository at Yucca Mountain	3/11/02	EAM reviewed 6/6/02	None required
5	UCRL-JC-148521	Effect of temperature and electrolyte Composition on the Susceptibility of Alloy 22 to Localized Corrosion	No specific document date	In process.	None required
6	UCRL-JC-148598	Electrochemical Behavior of Alloy 22 in 5 M CaCl <sub>2</sub>	No specific document date	EAM reviewed 6/6/02.	None required
7	UCRL-JC-146372	Environmental Considerations in the Studies of Corrosion Resistant Alloys for High Level Radioactive Waste Containment	No specific document date	EAM reviewed 2/1/02	None required

## ATTACHMENT A TO LLNL(O)-02-D-108 COMPLETE RESPONSE

## EXTENT OF CONDITION INVESTIGATION FOR DEFICIENCY REPORT LLNL(O)-02-D-108

REVIEWED THE FOLLOWING PUBLICATION PACKAGES DATING FROM 5/1/2001 FOR OBJECTIVE EVIDENCE OF ENGINEERING ASSURANCE MANAGER REVIEW.

8	Not yet assigned	Microbiologically Facilitated Dissolution Mode of Alloy 22, A candidate Nuclear Waste Packaging Material	No specific document date	In process	None required
9	UCRL-ID-146579	Moisture Retention Curves of Topopah String Tuff at Elevated Temperatures	No specific document date	EAM reviewed 4/12/02	None required
10	Not yet assigned	Studies of Corrosion resistant Materials Being Considered for High-Level Nuclear Waste Containment in Yucca Mountain Relevant Environments	No specific document date	EAM reviewed 4/3/02	None required
11	UCRL-JC-147912	Characterization of the Resistance of alloy 22 to Stress Corrosion Cracking	3/10/02	In process	None required

## ATTACHMENT A TO LLNL(O)-02-D-108 COMPLETE RESPONSE

## EXTENT OF CONDITION INVESTIGATION FOR DEFICIENCY REPORT LLNL(O)-02-D-108

REVIEWED THE FOLLOWING PUBLICATION PACKAGES DATING FROM 5/1/2001 FOR OBJECTIVE EVIDENCE OF ENGINEERING ASSURANCE MANAGER REVIEW.

12	UCRL-JC-148653	Mechanical Properties and Corrosion Characteristics of Thermally Aged Alloy 22	No specific document date	EAM reviewed 6/26/02	None required
13	UCRL-JC-147911-ABS	Simulated Effect of Microbiologically Influenced Corrosion on Alloy 22	3/10/02	In process	None required
14	UCRL-JC-147913-ABS	Corrosion Characteristics and Mechanical Properties of thermally Aged Alloy 22	3/10/02	In process	None required
15	UCRL-JC-147906-ABS	Localized Corrosion of Alloy 22 in Calcium Chloride Solutions, Inhibitive Effect of Nitrate	3/10/02	In process	None required
16	UCRL-JC-147914-ABS	Characteristics of the Passive Films on Alloy 22	3/10/02	In process	None required

## ATTACHMENT A TO LLNL(O)-02-D-108 COMPLETE RESPONSE

## EXTENT OF CONDITION INVESTIGATION FOR DEFICIENCY REPORT LLNL(O)-02-D-108

REVIEWED THE FOLLOWING PUBLICATION PACKAGES DATING FROM 5/1/2001 FOR OBJECTIVE EVIDENCE OF ENGINEERING ASSURANCE MANAGER REVIEW.

17	Number not yet assigned (abstract)	Localized Corrosion and Thermal Stability Behavior of Alloy 22 Welds	3/28/02	In process	None required
18	Number not yet assigned (abstract)	Environmentally Assisted Cracking Resistance of Alloy 22	3/28/02	In process	None required
19	Number not yet assigned (abstract)	Review of Corrosion Modes for Alloy 22 regarding the Lifetime Expectancy of Nuclear Waste Containers	6/15/02	In process	None required
20	Number not yet assigned (abstract)	Characterization of the Corrosion Behavior of Alloy 22 after Five Years Immersion in Multi-ionic Solutions	6/15/02	In process	None required
21	UCRL-JC-145992	Susceptibility of Alloy 22 to Environmentally Assisted Cracking in Yucca Mountain Relevant Environments	1/30/02	EAM reviewed 1/4/02	None required

## ATTACHMENT A TO LLNL(O)-02-D-108 COMPLETE RESPONSE

## EXTENT OF CONDITION INVESTIGATION FOR DEFICIENCY REPORT LLNL(O)-02-D-108

REVIEWED THE FOLLOWING PUBLICATION PACKAGES DATING FROM 5/1/2001 FOR OBJECTIVE EVIDENCE OF ENGINEERING ASSURANCE MANAGER REVIEW.

22	UCRL-JC-146006-ABS	Effect of Thermal Stability on the Corrosion Behavior of Wrought and Welded Alloy 22	No specific document date	In process	None required
23	Number not yet assigned	Characterization of the Corrosion Behavior of Alloy 22 Regarding its Lifetime Performance as a Potential Nuclear Waste Container Material	No specific document date	In process	None required
24	UCRL-JC-146247	Influence of Thermal Aging on the Mechanical and Corrosion Properties of GTAW Welds of Alloy 22 N06022	No specific document date	In process	None required
25	UCRL-JC-146241	Waste Package Environment for the Yucca Mountain Site Characterization Project	No specific document date	No EAM review performed.	EAM Review.

## ATTACHMENT A TO LLNL(O)-02-D-108 COMPLETE RESPONSE

## EXTENT OF CONDITION INVESTIGATION FOR DEFICIENCY REPORT LLNL(O)-02-D-108

REVIEWED THE FOLLOWING PUBLICATION PACKAGES DATING FROM 5/1/2001 FOR OBJECTIVE EVIDENCE OF ENGINEERING ASSURANCE MANAGER REVIEW.

26	UCRL-JC-148670	Analytical Solutions for Reactive transport of N-Member Radionuclide Chains in a Single Fracture	2/11/02	EAM reviewed 6/14/02	None required
27	UCRL-JC-146831	Environmental Considerations in the Studies of Corrosion Resistant alloys for High-Level Radioactive Waste Containment	2/8/02	In process	None required
28	UCRL-JC-146006	Effect of Thermal Stability on the Corrosion Behavior of Wrought and Welded Alloy 22	1/28/02	EAM reviewed 11/30/01	None required
29	UCRL-JC-146506	Microbiologically-Facilitated Effects on the Surface Composition of Alloy 22, A Candidate Nuclear Waste Packaging Material	12/7/01	No review performed.	EAM review.

12 of 21

## ATTACHMENT A TO LLNL(O)-02-D-108 COMPLETE RESPONSE

## EXTENT OF CONDITION INVESTIGATION FOR DEFICIENCY REPORT LLNL(O)-02-D-108

REVIEWED THE FOLLOWING PUBLICATION PACKAGES DATING FROM 5/1/2001 FOR OBJECTIVE EVIDENCE OF ENGINEERING ASSURANCE MANAGER REVIEW.

30	UCRL-JC-146830-ABS	Susceptibility of Nickel and Cobalt alloys to Localized Corrosion in Fluoride and Iodide Solutions Comparative Behavior to Chloride and Bromide Solutions	No specific document date	In process	None required.
31	Number not yet assigned	Passivity of alloy 22 in concentrated Electrolytes. Effect of Temperature and Solution Composition	No specific document date.	In process	None required
32	UCRL-JC-145522	Fracture Deformation Measurements in the Large Block Test	No specific document date	In process	None required
33	UCRL-JC-145422	Coupled THM Simulations of the Drift Scale Test at Yucca Mountain	No specific document date	In process	None required
34	UCRL-JC-148582-ABS	Characterization of oxide formation during electrochemical modification of nickel based alloys	No specific document date.	In process	None required

## ATTACHMENT A TO LLNL(O)-02-D-108 COMPLETE RESPONSE

## EXTENT OF CONDITION INVESTIGATION FOR DEFICIENCY REPORT LLNL(O)-02-D-108

REVIEWED THE FOLLOWING PUBLICATION PACKAGES DATING FROM 5/1/2001 FOR OBJECTIVE EVIDENCE OF ENGINEERING ASSURANCE MANAGER REVIEW.

35	Number not yet assigned	Stress Corrosion Cracking Behavior of Alloy 22 in Multi-ionic Aqueous Environments	No specific document date.	In process	None required
36	UCRL-JC-148774	Oxide Formation on Thermally Aged Alloy 22	No specific document date	In process	None required
37	Number not yet assigned	Slide Presentation – Electrochemical Behavior of Alloy 22 in 5M CaCl <sub>2</sub> (See row 6 above)	No specific document date	In process	None required
38	UCRL-JC-147905	Passive Corrosion Behavior of Alloy 22 in Multi-ionic Aqueous Environments	2/5/02	In process	None required
39	UCRL-JC-147905-ABS	Passive Corrosion Behavior of Alloy 22 in Multi-ionic Aqueous Environments	No specific document date	In process	None required

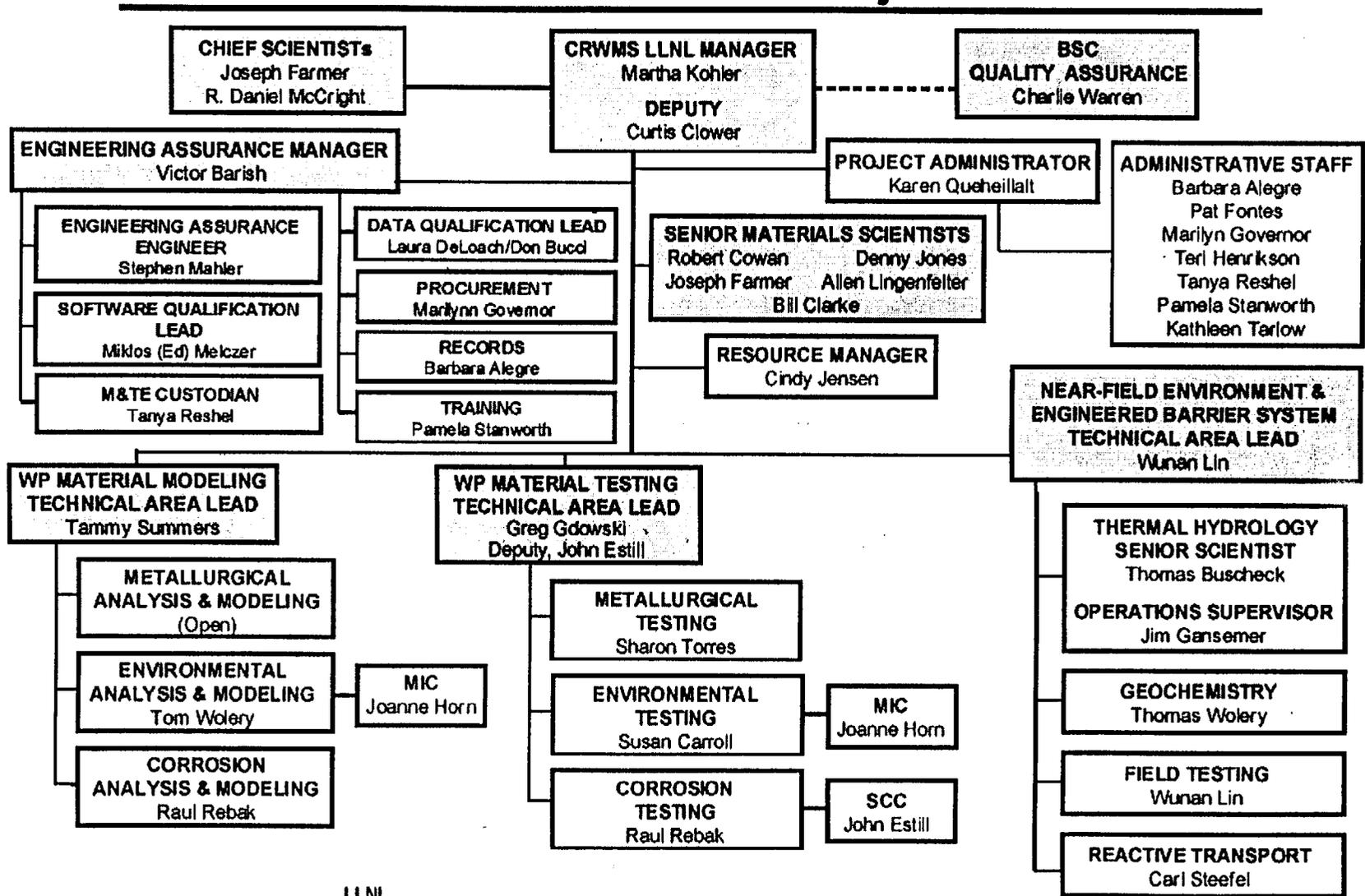
## ATTACHMENT A TO LLNL(O)-02-D-108 COMPLETE RESPONSE

## EXTENT OF CONDITION INVESTIGATION FOR DEFICIENCY REPORT LLNL(O)-02-D-108

REVIEWED THE FOLLOWING PUBLICATION PACKAGES DATING FROM 5/1/2001 FOR OBJECTIVE EVIDENCE OF ENGINEERING ASSURANCE MANAGER REVIEW.

40	UCRL-JC-148827-ABS	Evaporative Evolution of Brines from Synthetic Topopah Spring Tuff Pore Water, Yucca Mountain, NV	No specific document date	In process	None required
41	Number not yet assigned	Passivity of Alloy 22 in Concentrated Electrolytes. Effect of Temperature and Solution Composition	No specific document date.	In process	None required
42	Number not yet assigned	Thermal-Hydrologic Processes in the Drift-Scale Test as Indicated by the Measured Temperature	No specific document date	In process	None required
43	UCRL-JC-146842	Effects of Introduced Materials in the Drift Scale Test	2/11/02	In process	None required
44	UCRL-JC-141552	Analysis of Geomechanical Behavior for the Drift Scale Test	No specific document date	No EAM review performed.	EAM review.

# Yucca Mountain Project



033-YMP-QP 1.0

CN 1.0-7-2

Date: 05/28/02

Page: 10 of 10

LLNL

5/22/02 - revised  
LLNL YMP Org Chart

LAS VEGAS

Jim Bink, Executive Engineer  
Carol Passos, Administrative Staff  
Vanessa Minor, Administrative Staff  
Holy Miller, EBS Checker  
Veevus Chipman, EBS Technical Staff

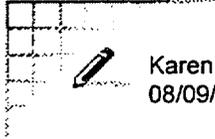
16 of 21

ATTACHMENT B TO  
DR LLNL(6)-02-D-108 P2 OF 3

University of California		YUCCA MOUNTAIN PROJECT		Page 1
LLNL				Of 1
<b>POSITION DESCRIPTION</b>				
1. Position Title: Publications/Documents Coordinator		2. Organization (functional) LLNL-YMP		
3. Reports To (functional): YMP Administrator		4. Rev.: 0	5. Effective Date:	
6. Duties and Responsibilities:				
<p>Under limited supervision, follow policies and procedures for the requirements of engineering assurance that have been established as a standard by the YMP sponsors. Interpret existing DOE/NRC/LLNL policy related to YMP collection and transmittal of technical data, and develop and implement new techniques and procedures to satisfy both the sponsors' and the LLNL policies. Interact with co-workers, technical and scientific personnel, LLNL-YMP management, resource personnel, and external YMP personnel to resolve problems, and to coordinate and complete task activities.</p> <ul style="list-style-type: none"> <li>• Collect, compile and complete forms to process LLNL-YMP publications through LLNL and Las Vegas.</li> <li>• Maintain the publications database.</li> <li>• Prepare and submit monthly publications reports.</li> <li>• Prepare and submit yearly LLNL-YMP bibliographies.</li> <li>• Responsible for maintaining the YMP library and library database.</li> <li>• Responsible for distribution, reports, database, and maintain files for controlled documents.</li> <li>• Compose, keyboard, and edit correspondence, memos, and reports for own signature or signature of others; compile, research, and prepare materials for own and technical personnel reports.</li> <li>• Arrange and prepare domestic travel and prepare expense reports.</li> <li>• Arrange and coordinate meetings involving internal and external contacts; arrange badging and meeting rooms.</li> <li>• Function as a resource to Project personnel for YMP-LLNL policies and procedures.</li> </ul>				
7. Minimum Education and Experience Requirements:				
High school diploma and 3-5 years demonstrated administrative experience and skills including accurate keyboarding, grammar, proofreading, and editing.				
Approvals				
8. Responsible Manager/Supervisor: Karen Quecheillalt		Date: 8/9/02		

ATTACHMENT B TO

DR LLNL(0)-02-D-108 p3 of 3



Karen Queheillalt  
08/09/2002 02:43 PM

To: John Doyle/YD/RWDOE@CRWMS  
cc:  
Subject: Pat Fontes, Publications/Documents Coordinator

User Filed as: Not Categorized in ERMS

John,

This email is in reference to the position description I faxed to you today for the LLNL-YMP Publications/Documents Coordinator. Pat Fontes was assigned to fill this position full-time in July, 2002. If you require further information, please let me know.

Thank you. - Karen Q.



ATTACHMENT C

TO DR LLNL(0)-02-D-108 p 1 of 3

Lawrence Livermore National Laboratory

Memorandum

QA: QA

LLYMP0208032  
August 8, 2002

TO: Duane Allred  
1180 Town Center Drive, M/S 423  
Las Vegas, NV 89144

SUBJECT: Requirement Traceability Network Updates

Attached is the RTN Matrix changes for QP 3.3, Rev 5, ICN 4, for the Requirement Traceability Network.

If you have any questions concerning this transmittal, please contact me at (925)422-6518.

Sincerely,

Victor J. Barish, Jr.  
LLNL Engineering Assurance Manager

Attachment  
REM:tjr

ATTACHMENT C  
TO DR LLNL(0)-02-D-108 p2.p3  
FOR PROCESSING WITH 033-YMP-QP 3.3 REV 5  
ICN 4



Implementing Document Change/Markup Form (r014rpt)		
LLNL uses: LLNL, 033-YMP-QP 3.3 Rev 5 _____ ICN CN# <u>4</u> to implement: Applicability:		
Implementing Requirement	Document ID	Requirement ID
3.3.5.5	OCRWM DOE/RW-0333P QARD	5.3 R2.5

Page Generated on: Wed Jul 24 07:16:47 2002

THIS PROCEDURE IS BEING CLASSIFIED AS NON-Q.  
TO BE NTR 8/1/02  
ALL RTN LINKS ARE DELETED

*Victor J. Barish Sr*  
VICTOR J. BARISH SR  
7/25/02

ATTACHMENT TO C  
DR LLNL(0)-02-D-108 p3 of 3

University of California



Lawrence Livermore  
National Laboratory

### YUCCA MOUNTAIN PROJECT

QA: QA

QA: N/A

Page 1

Of 1

## REQUEST FOR REVIEW

1. Document No. & Title: RTN Matrix Markup  
033-YMP-QP 3.3, Rev 5, CN 4, Review of Technical Publications

Return to CDPM by: 08/02/02

2. Author(s):  
Victor Barish

3. Reviewer:  
C. Warren

No Comments  Non-mandatory Comments on Draft

5. Reviewer's Mandatory Comments (include draft page numbers):

6. Author's Response:

7. Reviewer's Disposition:

ACCEPT REJECT

8. Reviewed by:

C. Warren

Signature

8/2/02

Date

9. Author's Response by:

Signature

Date

All mandatory comment changes made from the Review Draft have been resolved to my satisfaction.

10. Reviewed by:

Signature

Date

### REVIEWER'S CRITERIA:

The review of this procedure and/or data shall include evaluation of this document using:

- Criteria specified by the document originator, if specified;
- Criteria established by internal procedures, e.g., 033-YMP-QP 3.0 and/or;
- Applicable criteria identified in Section 2.1.5.2.3, unless otherwise specified by document originator.