



Department of Energy

Washington, DC 20585

OCT 23 1991

Mr. John J. Linehan, Acting Director
Repository Licensing and Quality
Assurance Project Directorate
Division of Nuclear Material Safety
and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Linehan:

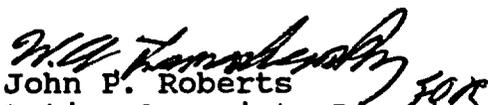
On October 7, 1991, the Yucca Mountain Quality Assurance Division (YMQAD) completed its review and approval of the Lawrence Livermore National Laboratory (LLNL) Quality Assurance (QA) Program Plan Change Notices R 1-0-3, R 1-0-4, R 3-0-5, and R 4-0-2 to 033-YMP-R.

The YMQAD approval was based on the determination that the changes are consistent with the requirements stated in the Office of Civilian Radioactive Waste Management Quality Assurance Requirements Document, Revision 4, Sections 1 and 4, and Appendix A, Section 20.1, and do not diminish LLNL QA commitments.

This letter serves as a formal notice of approval of the change notices by the U.S. Department of Energy. The enclosed change notices are forwarded to the U.S. Nuclear Regulatory Commission for information.

Should you have any questions, please contact Sharon Skuchko of my office at (202) 586-4590.

Sincerely,


John P. Roberts
Acting Associate Director for
Systems and Compliance
Office of Civilian Radioactive
Waste Management

4 Enclosures:

1. Change Notice R 1-0-3
2. Change Notice R 1-0-4
3. Change Notice R 3-0-5
4. Change Notice R 4-0-2

9111060015 911023
PDR WASTE
WM-11 PDR

102.7
WM-11
NH03

cc w/Enclosures:

C. Gertz, YMPO
R. Loux, State of Nevada
K. Whipple, Lincoln County, NV
M. Baughman, Lincoln County, NV
J. Bingham, Clark County, NV
D. Bechtel, Clark County, NV
S. Bradhurst, Nye County, NV
B. Raper, Nye County, NV
P. Niedzielski-Eichner, Nye County, NV
R. Campbell, Inyo County, CA
R. Michener, Inyo County, CA
G. Derby, Lander County, NV
P. Goicoechea, Eureka, NV
C. Schank, Churchill County, NV
C. Jackson, Mineral County, NV
F. Sperry, White Pine County, NV
L. Vaughan, Esmeralda County, NV
K. Hooks, NRC

**Lawrence Livermore National Laboratory**

LLYMP9008137
August 20, 1990

W.B.S. 1.2.9.3
"QA"

Donald G. Horton
U.S. Department of Energy
Yucca Mountain Project Office
Nevada Operations Office
P.O. Box 98518
Las Vegas, NV 89193-8518

ATTENTION: Nancy Voltura

SUBJECT: Transmittal of LLNL-YMP Quality Assurance Program Plan
Change Notice 1.0-0-3

Dear Don:

Change Notice 1.0-0-3 for our Quality Assurance Program Plan reflects minor organizational changes for the LLNL Yucca Mountain Project. These changes do not incorporate any degradation in quality assurance requirements.

Project Office approval of these changes is requested. After receipt of our approval, controlled documents will be distributed.

Please contact me (FTS 532-1287 or 415-422-1287) if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "David W. Short".

David W. Short
LLNL-YMP
Quality Assurance Manager

Enclosure

DWS:jfc
cc: M. Cloninger. DOE (w/enc)

QA:90/290

ENCLOSURE 1



CHANGE NOTICE

**APPROVED FOR
INTERIM USE**

CN No.: R 1.0-0-3

Affected Document: 033-YMP-R 1.0. "Organization" Rev. 0

Prepared by: David W. Short

Approved by: N/A
(Technical Area Leader) (Date)

Approved by: David W. Short 8-17-90
(YMP QA Manager) (Date)

Training Required:
Yes No

Approved by: Phil J. Jordan 8/17/90
(YMP Project Leader) (Date)

Currently Read as Follows:

Figure 1.0.2, as published
Appendix, as published

Changed to Read:

Figure 1.0.2 is changed to read as described on page 2 of this Change Notice.
Appendix is changed to read as described on page 3 of this Change Notice.

NOTE: THIS CHANGE NOTICE IS TO BE FILED AT THE FRONT OF THE AFFECTED DOCUMENT

Change Notice R 1.0-0-3
Page 2 of 3

LLNL Yucca Mountain Project Organization Chart

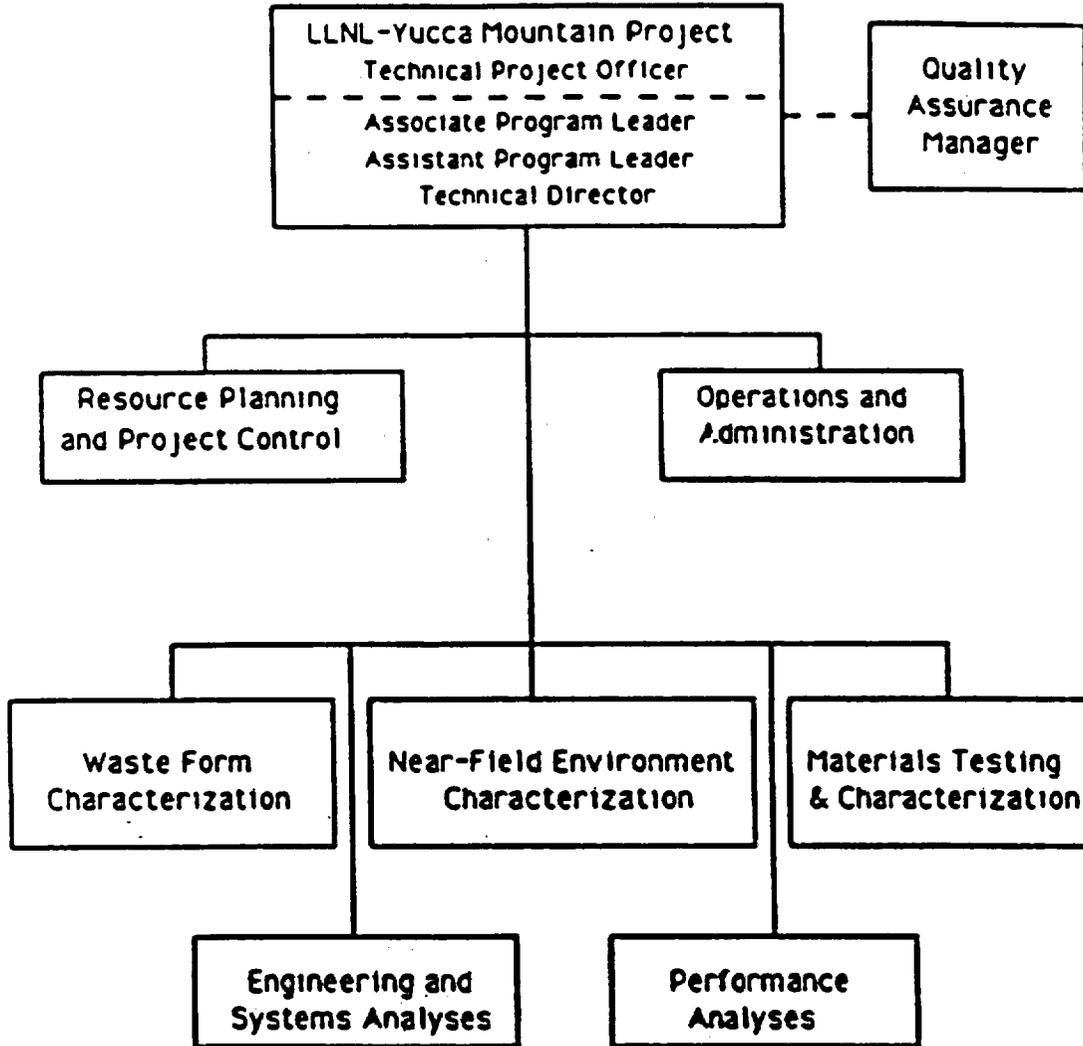


Figure 1.0.2

Change Notice R 1.0-0-3
Page 3 of 3

APPENDIX

Energy Program Leader	R. Schock
Quality Assurance Manager	D. Short
YMP Leader/Technical Project Officer	L. Jardine
Associate Project Leader	L. Ballou
Assistant Project Leader	J. Blink
Technical Director	D. Chesnut
Project Administrator	B. Bryan
Resource Planning & Project Control Manager	J. Podobnik
Technical Area Leaders:	
Waste Form Characterization	R. Stout
Near Field Environment Characterization	D. Wilder
Materials Testing & Characterization	W. Clarke
Engineering & Systems Analyses	D. Ruffner
Performance Analyses	D. Chesnut

**Lawrence Livermore National Laboratory**

LLYMP9104141
April 19, 1991

W.B.S. 1.2.9.3
"QA"

Donald Horton, Director
Yucca Mountain Quality Assurance Division
U.S. Department of Energy
P.O. Box 98518
Las Vegas, NV 89193-8518

Attention: Nancy Voltura

Subject: Request for Approval of LLNL-YMP Quality Assurance
Program Plan Change Notice

Dear Don:

Project Office approval is requested for the enclosed QAPP Change Notice
033-YMP-R 1.0-0-4, Rev. 0 "Organization".

This requirement has been distributed as "Approved For Interim Use"; after
receipt of approval, the controlled document will be distributed.

Please contact me (FTS532-6518) if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "RK Dann".

Robert K. Dann
LLNL-YMP
Quality Assurance Manager

Enclosure
RKD:jfc

cc: M. Cloninger, DOE (w/encl)

QA:91/069

A small, dark, handwritten mark or signature at the bottom left of the page.

ENCLOSURE 2



CHANGE NOTICE

APPROVED FOR
INTERIM USE

CN No.: R ¹⁻⁰⁻⁴~~1.0-0-4~~ ^{4/23/91}
Rev. 0

Affected Document: 033-YMP-R 1.0 "Organization"

Prepared by: Joanne Clark

Approved by: N/A

(Technical Area Leader)

(Date)

Approved by: RK Damm 2-26-91

(YMP QA Manager)

(Date)

Training Required:
Yes No

Approved by: Shi J. Jardine 4/13/91

(YMP Project Leader)

(Date)

Currently Read as Follows:

Appendix, as published

Changed To Read:

Appendix is changed to read as described on Page 2 of this Change Notice.

NOTE: THIS CHANGE NOTICE IS TO BE FILED AT THE FRONT OF THE AFFECTED DOCUMENT

No: 033-YMP-R 1.0	Revision: 0	Date:	Page: 7 of 7
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Change Notice R 1.0-0-4
Page 2 of 2

APPENDIX

Energy Program Leader	R. Schock
Quality Assurance Manager	R. Dann
YMP Leader/Technical Project Officer	L. Jardine
Associate Project Leader	L. Ballou
Assistant Project Leader	J. Blink
Assistant Project Leader	D. Short
Project Administrator	B. Bryan
Resource Planning & Project Control Manager	J. Podobnik
Technical Area Leaders:	
Waste Form Characterization	R. Stout
Near Field Environment Characterization	D. Wilder
Materials Testing & Characterization	W. Clarke
Engineering & Systems Analyses	D. Ruffner
Performance Analyses	D. Cheanut

**Lawrence Livermore National Laboratory**

LLYMP9106059
June 6, 1991

W.B.S. 1.2.9.3
"QA"

Donald Horton, Director
Yucca Mountain Quality Assurance Division
U.S. Department of Energy
P.O. Box 98518
Las Vegas, NV 89193-8518

ATTENTION: Nancy Voltura

SUBJECT: Request for Approval of LLNL-YMP Quality Assurance
Program Plan Change Notices

Dear Don:

Project Office approval is requested for the enclosed QAPP Change Notice 033-YMP-R 4 "Procurement Document Control". Also enclosed for approval is QAPP Change Notice 033-YMP-R 3 "Scientific Investigation Control and Design Control".

These requirements are no longer a Project requirement (QARD Rev. 4); consequently, they have been deleted from the LLNL QAPP.

These QAPP changes have been distributed as "Approved for Interim Use"; after receipt of approval, the controlled documents will be distributed.

Please contact me at (FTS 532-6518) if you have any questions.

Sincerely,



Robert K. Dann
LLNL-YMP
Quality Assurance Manager

Enclosures

RKD:JFC:jfc

cc: M. Cloninger, DOE (w/encl)

QA:91/112

ENCLOSURE 3



CHANGE NOTICE

APPROVED FOR
INTERIM USE

CN No.: R 3-0-5

Affected Document: 033-YMP-R 3, "Scientific Investigation Control
and Design Control"

Prepared by: Raymond E. Hamati

Approved by: N/A

(Technical Area Leader)

(Date)

Approved by:

RK Dunn
(YMP QA Manager)

6/28/91

(Date)

Training Required:

Yes No

Approved by:

A. J. Jerdin
(YMP Leader)

6/28/91

(Date)

1. Section 1.1.1:

- Delete third and fourth sentences
- Fifth sentence: Replace "Such" with "Scientific"

2. Section 1.3.2: Delete the whole section

3. Section 1.3.3:

- Renumber section as 1.3.2
- Replace "DOE Project Office" with "LLNL-YMP Leader"

NOTE: THIS CHANGE NOTICE IS TO BE FILED AT THE FRONT OF THE AFFECTED DOCUMENT



Lawrence Livermore National Laboratory

LLYMP9106059
June 6, 1991

W.B.S. 1.2.9.3
"QA"

Donald Horton, Director
Yucca Mountain Quality Assurance Division
U.S. Department of Energy
P.O. Box 98518
Las Vegas, NV 89193-8518

ATTENTION: Nancy Voltura

SUBJECT: Request for Approval of LLNL-YMP Quality Assurance
Program Plan Change Notices

Dear Don:

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These QAPP changes have been distributed as "Approved for Interim Use"; after receipt of approval, the controlled documents will be distributed.

Please contact me at (FTS 532-6518) if you have any questions.

Sincerely,

Robert K. Dann
LLNL-YMP
Quality Assurance Manager

Enclosures

RKD:jfc:jfc

cc: M. Cloninger, DOE (w/encl)

QA:91/112

ENCLOSURE 4



CHANGE NOTICE

APPROVED FOR
INTERIM USE

CN No.: R 4-0-2

Affected Document: 033-YMP-R 4 "Procurement Document Control"

Prepared by: R.K. Dann

Approved by: N/A
(Technical Area Leader) (Date)

Approved by: RK Dann 6/7/91
(YMP QA Manager) (Date)

Training Required:
Yes No

Approved by: A. C. Bell 7 Jun 91
(YMP Leader) (Date)

- 1. Delete Section 2.4 : "Distribution of Procurement Documents"

NOTE: THIS CHANGE NOTICE IS TO BE FILED AT THE FRONT OF THE AFFECTED DOCUMENT