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REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8909110198 DOC.DATE: 89/09/07 NOTARIZED: NO DOCKET #

ACIL: AUTH.NAME AUTHORITY AFFILIATION APPEL, G. Energy, Dept. of RECIP.NAME RECIPIENT AFFILIATION LINEHAN, J. Repository Licensing & Quality Assurance Project Director

SUBJECT: Forwards for NRC review & acceptance QA documents for USGS, LLL & SNL. QA plan for SNL encl.

DISTRIBUTION CODE: NH03T COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 82154 TITLE: High Level Waste Tech Info re NNWSI Sites - General

NOTES:

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**Department of Energy**

Washington, DC 20585

SEP 7 1989

Mr. John Linehan, Director  
Repository Licensing and Quality  
Assurance Project Directorate  
Division of High-Level  
Waste Management  
Office of Nuclear Materials  
Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Linehan:

Enclosed for Nuclear Regulatory Commission (NRC) review and acceptance are quality assurance documents for the United States Geological Survey (USGS), Lawrence Livermore National Laboratory (LLNL), and Sandia National Laboratories (SNL). The following Change Notices and Quality Assurance Program Plan (QAPP) are enclosed.

U.S. GEOLOGICAL SURVEY (USGS)

Enclosure 1 is USGS interim change notice (ICN) No. ICN-1. This interim change notice reflects the changes necessary to resolve outstanding NRC comments.

LAWRENCE LIVERMORE NATIONAL LABORATORY (LLNL)

Enclosure 2 is the LLNL change notice summary and change notices CN-R-1-0-1, CN-R-2-0-1, CN-R-8-0-01, and CN-R-14-0-1. These change notices contain the revisions necessary to resolve outstanding NRC comments.

SANDIA NATIONAL LABORATORIES (SNL)

The SNL Quality Assurance Program Plan, Revision E (Enclosure 3) contains the changes required to resolve outstanding NRC comments. Changes are denoted by change bars in the margin. The second page of the enclosure is the SNL QAPP Revision E change description.

The above revisions, have been approved by the Yucca Mountain Project Office (YMPO) and reviewed by the Office of Civilian Radioactive Waste Management (OCRWM) Office of Quality Assurance

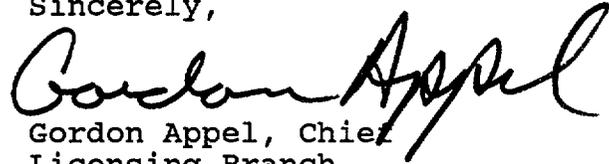
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and determined to be in compliance with YMP Quality Assurance Plan, 88-9, Revision 2, as agreed to in the DOE/NRC July 11, 1989 meeting.

Sincerely,

A handwritten signature in cursive script that reads "Gordon Appel". The signature is written in black ink and is positioned above the typed name and title.

Gordon Appel, Chief  
Licensing Branch  
Office of Civilian Radioactive  
Waste Management

Enclosures: as identified

cc: C. Gertz, YMPO  
J. Kennedy, NRC  
R. Loux, State of Nevada  
D. Bechtel, Clark County, NV  
M. Baughman, Lincoln County, NV  
S. Bradhurst, Nye County, NV



Department of Energy

Washington, DC 20585

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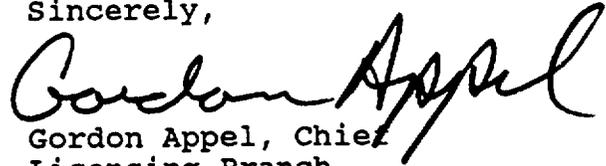
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NHCZ 1/1

and determined to be in compliance with YMP Quality Assurance Plan, 88-9, Revision 2, as agreed to in the DOE/NRC July 11, 1989 meeting.

Sincerely,

A handwritten signature in black ink that reads "Gordon Appel". The signature is written in a cursive style with a large, sweeping "G" and "A".

Gordon Appel, Chief  
Licensing Branch  
Office of Civilian Radioactive  
Waste Management

Enclosures: as identified

cc: C. Gertz, YMPO  
J. Kennedy, NRC  
R. Loux, State of Nevada  
D. Bechtel, Clark County, NV  
M. Baughman, Lincoln County, NV  
S. Bradhurst, Nye County, NV

ENCLOSURE

CHANGE NOTICE SUMMARY

NRC Comment No. 1 is resolved in Change Notice CNR 1-0-1  
NRC Comment No. 2 is resolved in Change Notice CNR 2-0-1  
NRC Comment No. 3 is resolved in Change Notice CNR 8-0-1  
NRC Comment No. 4 is resolved in Change Notice CNR 14-0-1  
NRC Comment No. 5 is resolved in Change Notice CNR 14-0-1

NOTE: The criterion cited by the NRC in their comments to LLNL's QAPP are not found in NWSI/88-9, Revision 2 (i.e., new NRC Review Plan requirements).

ENCLOSURE

CHANGE NOTICE SUMMARY

NRC Comment No. 1 is resolved in Change Notice CNR 1-0-1  
NRC Comment No. 2 is resolved in Change Notice CNR 2-0-1  
NRC Comment No. 3 is resolved in Change Notice CNR 8-0-1  
NRC Comment No. 4 is resolved in Change Notice CNR 14-0-1  
NRC Comment No. 5 is resolved in Change Notice CNR 14-0-1

NOTE: The criterion cited by the NRC in their comments to LLNL's QAPP are not found in MNWSI/88-9, Revision 2 (i.e., new NRC Review Plan requirements).

YMP-USGS  
INTERIM CHANGE NOTICE TO THE  
QUALITY ASSURANCE PROGRAM PLAN

ICN Number: ICN-1

Applies to YMP-USGS-QAPP-01, Rev. 5

Title: U.S. Geological Survey Quality Assurance Program Plan

REQUIRED CHANGES:

Para.            Changed to

1.3.1            Second sentence added as follows:

Allegations of inadequate quality shall be resolved in accordance with the requirements of YMP Administrative Procedure AP-5.8Q, Resolution and Reporting of Quality Concerns.

2.1.1            Second sentence added as follows:

The extent of QA controls is determined by the QA staff in combination with the line staff and is dependent upon the specific activity, its complexity, and its importance to safety or waste isolation.

3.1.7.2        Last paragraph, second sentence added as follows:

Changes to field and laboratory procedures associated with scientific investigations shall be controlled to assure that such changes are subsequently documented and verified in a timely manner by authorized personnel.

6.1.2            Third bullet revised to read as follows:

Review of documents for technical adequacy, completeness, correctness, and inclusion of appropriate quality requirements, prior to approval and issuance by qualified authorized personnel who did not provide input to the document.

12.1            Second paragraph, last sentence revised to read as follows:

The QA and other organization's responsibilities shall be described for establishing, implementing, and assuring effectiveness of the calibration program.

Effective Date: August 4, 1989

Supersedes ICN No. N/A

[Signature]  
YMP-USGS Quality Assurance  
Manager

8/4/89  
Date

[Signature]  
Technical Project Officer

8/4/89  
Date

Miranda W. Reynolds 08/04/89  
Chief, Office of Regional  
Geology

[Signature] for 8/4/89  
Assistant Chief Hydrologist  
for Program Coordination  
and Technical Support

8/4/89  
Date

[Signature] 8/4/89  
Assistant Director for  
Engineering Geology

[Signature] 8/9/89  
Project Quality Manager  
DOE Yucca Mountain Project

8/9/89  
Date

ENCLOSURE 1



**CHANGE NOTICE**

CN No.: CN R 1-0-1

Affected Document: 033-YMP-R 1, Organization

Rev. 0

Prepared by: R.J. Oberle

Approved by: N/A

(Technical Area Leader)

(Date)

Approved by: David W. Shost

(YMP QA Manager)

8/11/89

(Date)

Training Required:

Yes  No

Approved by: Bliff Jordan

(YMP Project Leader)

8/12/89

(Date)

**Currently Read as Follows:**

Section 2.2, as published

**Changed to Read:**

Section 2.2, add the following text:

Allegations of inadequate quality shall be resolved in accordance with Sections 15 and 16 of this document and additional policy guidance and requirements specified by the Yucca Mountain Project Office.

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



**CHANGE NOTICE**

CN No.: CN R 2-0-1

Affected Document: 033-YMP-R 2. Quality Assurance Program Rev. 0

Prepared by: R.J. Oberle

Approved by: N/A

(Technical Area Leader)

(Date)

Approved by: David W. Stewart 8/11/89

(YMP QA Manager)

(Date)

Training Required:

Yes  No

Approved by: Phil Perini 8/12/89

(YMP Project Leader)

(Date)

**Currently Read as Follows:**

Section 1.0, as published

**Changed to Read:**

Section 1.0, add the following text:

Management of other organizations participating in the quality assurance program shall regularly review the status and adequacy of that part of the quality assurance program which they are executing.

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



**CHANGE NOTICE**

CN No.: CN R8-0-1

Affected Document: 033-YMP-R 8, Identification and Control... Data Rev. 0

Prepared by: R.J. Oberle

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

Approved by: David W. Short 8/11/89  
(YMP QA Manager) (Date)

Training Required:  
Yes  No

Approved by: B. J. Ferrel 8/12/89  
(YMP Project Leader) (Date)

Currently Read as Follows:

- Part A, Section 1.0, as published
- Part B, Section Introduction, as published

Changed to Read:

Part A, Section 1.0, add the following text:

Items tested in accordance with 033-YMP-R 11 of this document shall be identified, controlled and ultimately dispositioned.

Part B, Section Introduction, add the following text:

Samples shall be archived, as required by procedures.

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



**CHANGE NOTICE**

CN No.: CN R 14-0-1

Affected Document: 033-YMP-R 14, Inspection, Test and Operating Status Rev. 0

Prepared by: R.J. Oberle

Approved by: N/A

(Technical Area Leader)

(Date)

Approved by: David W. Stuart

(YMP QA Manager)

8/11/89

(Date)

Training Required:

Yes  No

Approved by: Polifpre

(YMP Project Leader)

8/12/89

(Date)

Currently Read as Follows:

Section 1.0, as published

Changed to Read:

Section 1.0, add the following text:

Procedures shall be established to control altering the sequence of required tests, inspections, and other operations important to safety. Such actions shall be subject to the same controls as the original review and approval.

The status of nonconforming, inoperative, or malfunctioning structures, systems, and components shall be documented and identified to prevent inadvertant use. The organization responsible for this function shall also be identified.

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