



Department of Energy

Washington, DC 20585

SEP 19 1994

QA: L

Daniel L. Koss
Technical Project Officer
for Yucca Mountain
Site Characterization Project
Reynolds Electrical & Engineering Co., Inc.
P.O. Box 98521
Las Vegas, NV 89193-8521

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT QUALITY ASSURANCE
(QA) AUDIT YMP-95-01 OF REYNOLDS ELECTRICAL & ENGINEERING CO.,
INC. (REECO) SUPPORT OF THE YUCCA MOUNTAIN SITE CHARACTERIZATION
PROJECT (SCPB: N/A)

Please be advised a team of auditors from the Yucca Mountain
Quality Assurance Division will conduct a QA audit of the REECO
QA program in Las Vegas, Nevada, and the Nevada Test Site,
October 24-28, 1994. The audit will be conducted in accordance
with the enclosed audit plan.

Observers from the State of Nevada, U.S. Nuclear Regulatory
Commission, and other interested parties may also accompany the
audit team.

You are hereby requested to arrange for appropriate space to
conduct meetings, provide cognizant personnel to support the
audit, and provide audit team access to appropriate current
REECO documentation and records.

If you have any questions, please contact Mario R. Diaz at
794-7974 or Amelia I. Arceo at 794-7737.

RC. Sprince For

Donald G. Horton, Acting Director
Office of Quality Assurance

OQA:MRD-5097

Enclosure:
Audit Plan YMP-95-01

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PDR WASTE PDR
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SEP 19 1994

cc w/encl:

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R. W. Clark, HQ (RW-3.1) FORS
W. L. Belke, NRC, Las Vegas, NV
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Cyril Schank, Churchill County Commission, Fallon, NV
D. A. Bechtel, Clark County Comprehensive, Las Vegas, NV
J. D. Hoffman, Esmeralda County, Goldfield, NV
Eureka County Board of Commissioners,
Yucca Mountain Information Office, Eureka, NV
Lander County Board of Commissioners, Battle Mountain, NV
Jason Pitts, Lincoln County, Pioche, NV
V. E. Poe, Mineral County, Hawthorne, NV
P. A. Niedzielski-Eichner, Nye County, Chantilly, VA
L. W. Bradshaw, Nye County, Tonopah, NV
William Offutt, Nye County, Tonopah, NV
Florindo Mariani, White Pine County, Ely, NV
B. R. Mettam, County of Inyo, Independence, CA
C. K. Van House, QATSS/SAIC Las Vegas, NV
C. J. Henkel, NEI, Washington, DC

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OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR AUDIT YMP-95-01

OF

REYNOLDS ELECTRICAL AND ENGINEERING COMPANY, INC.

LAS VEGAS, NEVADA AND THE NEVADA TEST SITE

OCTOBER 24 THROUGH 28, 1994

Prepared by:

Amelia L. Arceo

Date:

9/15/94

Amelia L. Arceo
Audit Team Leader
Yucca Mountain Quality Assurance Division

Approved by:

Donald G. Horton For

Date:

9/16/94

Donald G. Horton
Director
Office of Quality Assurance

ENCLOSURE

1.0 SCOPE

This performance based audit of Reynolds Electrical and Engineering Company, Inc. (REECO) will be a limited scope audit to be performed by a team of auditors from the Yucca Mountain Quality Assurance Division (YMQAD). The audit team will evaluate the effectiveness of selected processes, and the quality of the resultant end products identified in Section 4.0 of this plan associated with REECO activities performed under Quality Assurance (QA) Program Elements 2.0 "Surveillances," 10.0 "Inspection," 16.0 "Corrective Action," 18.0 "Audits," and applicable QA program elements based on the work scope involved.

2.0 AUDIT SCHEDULE

Pre-audit Team/Observer Meeting	8:00 a.m., October 24, 1994 Las Vegas, Nevada
Pre-audit Conference	9:00 a.m., October 24, 1994 Las Vegas, Nevada
Audit Activities	10:00 a.m. to 4:00 p.m. October 24, 1994 Las Vegas, Nevada
	8:00 a.m. to 4:00 p.m. October 25 through 27, 1994 Las Vegas, Nevada and Nevada Test Site
	8:00 a.m. to 11:30 a.m. October 28, 1994 Las Vegas, Nevada
Post-audit Conference	2:00 p.m., October 28, 1994 Las Vegas, Nevada

There will be a daily Audit Team/Observer meeting at 4:00 p.m. and also a daily Audit Team Leader (ATL)/Observer/REECO meeting starting at 8:00 a.m. to discuss potential deficiencies and establish needed liaison.

3.0 REQUIREMENTS TO BE AUDITED AND APPLICABLE REFERENCES

The requirements to be audited will be contained in a performance based checklist. This checklist will be developed from the latest available revision of REECO's approved and issued QA Program procedures applicable to selected activities agreed with REECO management.

The conduct of the audit will be guided by the documents (latest revision) listed below:

- Quality Assurance Procedure (QAP) 18.2, "Audit Program"
- QAP 16.1, "Corrective Action"

4.0 ACTIVITIES TO BE AUDITED

The audit team will evaluate the effectiveness of the following activities in meeting program requirements and management commitments and expectations:

- 1) Collection of Lithium Bromide water samples.
- 2) Analysis of Lithium Bromide water samples.

The evaluation of process effectiveness and product acceptability will be based upon:

- 1) Proper implementation of the critical process steps;
- 2) Use of trained and qualified personnel working effectively;
- 3) Documentation that substantiates quality of the products; and
- 4) Acceptable results and quality of the final data.

5.0 AUDIT TEAM MEMBERS

Amelia I. Arceo, YMQAD, Las Vegas, Nevada, ATL
Raul A. Hinojosa, YMQAD, Las Vegas, Nevada, Auditor
Stephen R. Maslar, YMQAD, Las Vegas, Nevada, Auditor

6.0 AUDIT CHECKLISTS

The following checklist will be used during the audit:

YMP-95-01-01, Performance Based Checklist

The conduct of the audit will be guided by the documents (latest revision) listed below:

- Quality Assurance Procedure (QAP) 18.2, "Audit Program"
- QAP 16.1, "Corrective Action"

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The audit team will evaluate the effectiveness of the following activities in meeting program requirements and management commitments and expectations:

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