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Richard J. Herbst
Technical Project Officer
for Yucca Mountain
Site Characterization Project
Los Alamos National Laboratory
University of California
N-5, Mail Stop J521
P.O. Box 1663
Los Alamos, NM 87545

OFFICE OF QUALITY ASSURANCE (OQA) AUDIT YMP-92-01 OF LOS ALAMOS NATIONAL LABORATORY (LOS ALAMOS) SUPPORT OF THE YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Enclosed is the report for Quality Assurance (QA) Audit YMP-92-01. The audit was conducted by the Yucca Mountain Quality Assurance Division (YMQAD) at the Los Alamos facilities in Los Alamos, New Mexico, on October 1-4, 1991.

During the course of this audit, the audit team generated three Corrective Action Requests (CARs) and two recommendations whereby the Los Alamos QA Program could be improved. In addition, YMQAD audits identified additional examples of deficiencies similar to the ones already identified in open CAR YM-91-041. Los Alamos is hereby requested to take appropriate action to resolve these additional deficiencies and be prepared to discuss these actions during YMQAD follow-up verification.

A response to the CAR (which was transmitted via separate letter) is due by the date indicated in Block 10 of the CAR. A response to this audit report is not necessary. The subject audit is considered completed as of the date of this letter; however, any open CAR will continue to be tracked until it has been closed to the satisfaction of the Audit Team Leader and the OQA Director.

If you have any questions, please contact either James Blaylock at (702) 794-7913 or FTS 544-7913, or Richard E. Powe of Science Applications International Corporation at (702) 794-7749 or FTS 544-7749.

R. E. Spence For
Donald G. Horton, Director
Office of Quality Assurance

Add: K.R. Hooks Ltr Encl 11

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Enclosures:
1. YMP-92-01 Executive Summary
2. Audit Report YMP-92-01 - FILED IN JACKET 9111130145 911030

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PDR WASTE
WM-11 PDR

cc w/encls:
R. W. Clark, HQ (RW-3.1) FORS
J. P. Roberts, HQ (RW-30) FORS
S. L. Skuchko, HQ (RW-331) FORS
K. R. Hooks, NRC, Washington
J. W. Gilray, NRC, Las Vegas, NV
R. R. Loux, NWPO, Carson City, NV
S. W. Zimmerman, NWPO, Carson City, NV
R. J. Brackett, TESS, Fairfax, VA
J. A. Jackson, TESS, Las Vegas, NV
Cyril Schank, Churchill County, Fallon, NV
Jay Bingham, Clark County, Las Vegas, NV
D. A. Bechtel, Clark County, Las Vegas, NV
Engelbrecht von Tiesenhausen, Clark County, Las Vegas, NV
Leo Vaughan, Esmeralda County, Goldfield, NV
P. J. Goicoechea, Eureka County, Eureka, NV
Gloria Derby, Lander County, Battle Mountain, NV
M. L. Baughman, Lincoln County, Pioche, NV
Keith Whipple, Lincoln County, Pioche, NV
C. E. Jackson, Mineral County, Hawthorne, NV
Frank Sperry, White Pine County, Ely, NV
Robert Campbell, Inyo County, Independence, CA
Robert Michener, Inyo County, Independence, CA
S. L. Bolivar, LANL, Los Alamos, NM
J. L. Day, LATA, Los Alamos, NM
R. E. Monks, LLNL, Livermore, CA
W. J. Glasser, REECo, Las Vegas, NV
M. J. Regenda, RSN, Las Vegas, NV
R. R. Richards, SNL, 6319, Albuquerque, NM
C. H. Prater, SAIC, Las Vegas, NV, 517/T-06
P. E. Seidler, SAIC, Las Vegas, NV, 517/T-18
T. H. Chaney, USGS, Denver, CO

EXECUTIVE SUMMARY

Overall, the Los Alamos National Laboratory (Los Alamos) is satisfactorily implementing an effective Quality Assurance (QA) program in accordance with the Los Alamos Yucca Mountain Site Characterization Project Quality Assurance Program Plan (QAPP), Revison 5 and implementing procedures for four of the five elements audited. Implementation of one element, QAPP Program Element 13.0 "Handling, Storage and Shipping," was considered indeterminate due to lack of activity. Los Alamos implementing procedures for controlling the procurement of calibration services, and controlling packaging, cleaning, and preservation were considered marginally adequate.

The audit team identified five deficiencies during the audit: one was resolved prior to the post-audit conference; three resulted in issuance of new Corrective Action Requests (CARs); and one was considered to be additional examples of a deficiency already identified in CAR No. YM-91-041 which was issued in April 1991 and is still open. The new CARs involve failure to qualify a supplier of calibration services, use of draft procedures for calibration, and lack of objective evidence of compliance with a Los Alamos imposed procedural requirement dealing with sample control. CAR No. YM-91-041 dealt with inconsistencies between the Los Alamos QAPP and implementing procedures. (See Enclosures 4 and 5 for details).

An area within the Los Alamos QA program that was considered a strength worthy of note was the excellent maintenance of the Los Alamos Sample Storage Room.

The audit team appreciated the cooperativeness and professional attitude of the Los Alamos Yucca Mountain Site Characterization Project organization during the conduct of this audit.