



Department of Energy

Washington, DC 20585

QA: L

JUN 20 1997

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OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT (OCRWM) QUALITY ASSURANCE (QA) AUDIT REPORT LLNL/LBNL-ARP-97-16 OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING CONTRACTOR'S (CRWMS M&O) SUPPORT OF THE YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT (YMP) AT LAWRENCE LIVERMORE NATIONAL LABORATORY (LLNL) AND LAWRENCE BERKELEY NATIONAL LABORATORY (LBNL)

Enclosed is the report of the OCRWM QA Audit LLNL/LBNL-ARP-97-16. The audit was conducted by the Office of Quality Assurance (OQA) at Livermore and Berkeley, California, May 12-16, 1997.

Overall, the audit team determined that the CRWMS M&O is satisfactorily implementing an effective QA program and process controls for the Exploratory Studies Facility Thermal Tests being conducted on the YMP.

During the course of the audit, the audit team identified one deficiency that resulted in the issuance of a Deficiency Report (DR) and one procurement related deficiency that was evaluated and closed during the course of the audit at LBNL:

- DR YM-97-D-048 documents that LBNL procedural controls and the OCRWM QA program requirements are not being followed for the control of scientific notebooks. The deficiency corrected during the audit concerned the LBNL procurement of instrumentation that lacked appropriate documentation.

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The audit team also identified a deficiency that resulted in the issuance of a DR at LLNL:

- DR YM-97-D-047 documented that a quality-affecting procurement was made from a supplier not on the Qualified Suppliers List and, additionally, a procurement that should have been processed as quality-affecting was processed as nonquality-affecting.

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Responses to the DRs (which were transmitted via separate letter) are due by the date indicated in Block 12. Additionally, there were six process improvement recommendations resulting from this audit and it is requested that the responses to the recommendations be provided to the OQA within 30 days of receipt of this report.

The audit is considered completed and closed as of the date of this letter; however, any open DRs will continue to be tracked until they have been closed to the satisfaction of the QA representative and the Director, OQA.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or Kenneth O. Gilkerson at (702) 794-1486.



*fr* Donald G. Horton, Director  
Office of Quality Assurance

OQA:JB-1726

Enclosure:  
Audit Report LLNL/LBNL-ARP-97-16

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