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 QA

SEP 13 1991

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OFFICE OF QUALITY ASSURANCE (OQA) AUDIT NO. YMP-91-07 OF SANDIA NATIONAL LABORATORIES (SNL) SUPPORT OF THE YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Enclosed is the report of QA Audit YMP-91-07, which was conducted by the Yucca Mountain Quality Assurance Division at the SNL facilities in Albuquerque, New Mexico, August 19-23, 1991.

During the course of the audit, the audit team generated four Corrective Action Requests (CARs).

Responses to the CARs (which were transmitted via separate letter) are due by the date indicated in Block 10 of the CARs. 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 CARs will continue to be tracked until each 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 Neil D. Cox at (702) 794-7236 or FTS 544-7236.

James Blaylock for
 Donald G. Horton, Director
 Office of Quality Assurance

OQA:JB-5631

Enclosure: *on a package*
 Audit Report YMP-91-07 w/encls *9109180201 910912*

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ADD: Ken Hooks *Ltr. Encl.*
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EXECUTIVE SUMMARY

In the opinion of the Yucca Mountain Quality Assurance Division (YMQAD) audit team, the Sandia National Laboratories (SNL) Quality Assurance (QA) program is adequate for the continuation of quality-affecting activities. In addition, the audit team determined that the overall effectiveness of the SNL QA program is satisfactory. However, specific elements of the QA program were identified as either indeterminate (due to lack of implementation) or marginally effective. The following is a summary of that one element of the SNL QA program, Criterion 18, judged by the audit team to be marginal in effectiveness and requiring further evaluation by SNL staff.

Criterion 18--Marginally effective. Based on the documented findings plus those deficiencies corrected during the audit, it seems that SNL QA personnel are rationalizing their own guidelines and thus directing the implementation of quality procedures on courses of action that are contrary to the commitment of those procedures.

As a result of this audit, four Corrective Action Requests were issued to SNL (reference Enclosure 5). It should be noted that during the course of the audit, SNL was able to correct seven deficiencies identified by the auditors. These seven deficiencies and the actions taken to correct them are described in this report.

It was apparent to the audit team that a great deal of time and effort had been expended by SNL staff to correct previously identified QA program deficiencies. In particular, there has been a distinct improvement in Procurement Document Control. The SNL staff were cooperative and well prepared for the audit, and the YMQAD audit team appreciated their efforts to help the audit progress smoothly.