

LANL QAPP

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JUL 19 1989

Mr. Ralph Stein, Associate Director  
Office of Systems Integration and Regulations  
Office of Civilian Radioactive Waste Management  
U. S. Department of Energy, RW-24  
Washington, D. C. 20545

Dear Mr. Stein:

SUBJECT: REVIEW OF LOS ALAMOS NATIONAL LABORATORY QUALITY ASSURANCE PROGRAM  
PLAN

On March 15, 1989, the U. S. Department of Energy (DOE) forwarded the Los Alamos National Laboratory (LANL) Quality Assurance Program Plan (QAPP), LANL-YMP-QAPP, R4.3 dated February 10, 1989 to the U. S. Nuclear Regulatory Commission (NRC) for review and acceptance. The QAPP is a description of the quality assurance (QA) requirements and controls, applicable to quality-affecting activities, which are the responsibility of LANL for the Yucca Mountain Project (YMP).

The NRC staff has reviewed the LANL QAPP to determine whether it contains adequate requirements and controls to address the applicable criteria of Appendix B to 10 CFR Part 50 which apply to LANL for the YMP. The bases for our review were the criteria contained in the "NRC Review Plan for High-Level Waste Repository Quality Assurance Program Descriptions" Revision 2 dated March 1989 and staff guidance documents and consensus standards referenced therein.

As a result of our review, the staff has generated the eight enclosed comments. Upon receipt of an acceptable resolution of the comments, including page changes to the LANL QAPP if required, the NRC staff will find that the LANL-YMP-QAPP, R4.3 dated February 10, 1989 meets the applicable criteria of Appendix B to 10 CFR Part 50 and is acceptable.

Should you have any questions on our review, please contact Brian Thomas of my staff on (301) 492-0435.

Sincerely,

/s/

John J. Linehan, Director  
Repository Licensing and Quality  
Assurance Project Directorate  
Division of High-Level Waste Management

Enclosure: NRC Comments

cc: R. Loux, State of Nevada  
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ENCLOSURE

NRC COMMENTS

1. Criterion 1.10 of the Review Plan (RP) states, "Organization charts clearly identify all the "on-site" and "off-site" organizational elements which function under the cognizance of the QA program."

This criterion is not addressed in the QAPP.

2. Criterion 1.11 of the RP states in part, "The extent of QA control is determined by the QA staff, in combination with the line staff, and depends on the specific activity, its complexity, and its important to safety or waste isolation, as defined in 10 CFR Part 60, Section 60.2."

This criterion is not fully addressed in the QAPP.

3. Criterion 1.17 of the RP states, "Provisions are established for resolving allegations of inadequate quality. These allegations may originate within the responsible organization(s) or from outside the responsible organization(s)."

This criterion is not addressed in the QAPP.

4. Criterion 2.8 of the RP states, "A policy statement signed by a senior management official renders the implementation of the QA program mandatory."

The policy statement in the QAPP is not signed by a senior manager.

5. Criterion 3.5 of the RP states, "Design control measures are established and applied to conceptual designs, or parts thereof, which may at a later time become part of the final design."

This criterion is not addressed in the QAPP.

6. Criterion 3.11 of the RP states, "Procedures are established to assure that plans for data collection and analyses are completed before performing the data collection and analysis activities."

This criterion is not addressed in the QAPP.

7. Criterion 5.4 of the RP states, "Provisions are described for controlling changes to field and laboratory procedures associated with exploratory investigations within the site characterization program to assure that such changes are subsequently documented and verified in a timely manner by authorized personnel."

This criterion is not addressed in the QAPP.

8. Criterion 12.3 of the RP states in part, "Procedures are established and described for calibration (technique and frequency), maintenance, and control of the measuring and test equipment..."

This criterion is not explicitly addressed in the QAPP.