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CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 10, 1996

Mr. G. Thomas Todd
DOE/LAEO
528 35th Street
Los Alamos, New Mexico 87545

Dear Mr. Todd:

This cover letter, and its three attachments, make up the Notice of Deficiency (NOD) for DOE/LANL Closure Plan for Technical Area 21 (TA-21), Building 61 Container Storage Area. Attachment A contains technical deficiencies as reviewed by Hazardous and Radioactive Materials Bureau's (HRMB) Technical Compliance Program. Attachment B contains administrative deficiencies as reviewed by HRMB's RCRA Permitting Program.

A response to the deficiencies identified in this NOD is required within 30 calendar days of the receipt of this NOD unless otherwise specified.

Should you or your staff have any questions concerning the contents of this NOD contact Mr. Robert S (Stu) Dinwiddie for administrative questions and Mr. Philip Harrigan for technical questions both of my staff. Mr. Dinwiddie and Mr. Harrigan may be contacted at the above address or by phone at (505) 827-1561.

Sincerely,

Benito J. Garcia
Bureau Chief, HRMB

cc:

Barbara Hoditschek
✓ Robert S. (Stu) Dinwiddie
Philip Harrigan
Ted Taylor
David MacInroy
Joe Vozella



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Attachment A
Technical Compliance Deficiencies

1. The closure plan indicates the inside storage area has an impervious floor. Clarification is needed regarding the construction of the "**impervious**" floor and specify how the constituents of concern are unable to penetrate the floor.
2. The closure plan lacks unit containment system information. LANL should provide additional information regarding the containment system design, including a layout map of each storage area which shows location of floor drains, seams, expansion joints, containment features and any other pertinent information related to the storage areas that would help to determine the extent of mercury and/or wash water accumulation.
3. A summary of the inspection logs for the storage areas should be provided with the closure plan to document all release information. Waste manifest forms should also be included.
4. A more detailed description, plan or cross section of the outside storage area adjacent to Building 61 is needed to further evaluate the adequacy of the proposed sampling and analysis plan.
5. Does the facility have any soil monitoring systems in the vicinity of either storage unit? LANL should include information on existing monitoring systems within the closure plan.
6. The Closure Plan Performance Standards should be more detailed regarding potential hazardous contaminants and specific regulatory standards. LANL should modify this section to address the above issue.
7. Section 2.0, Closure Procedure, Page 3, paragraph 1: "**...equipment will be removed and decontaminated.**" Will the equipment be moved before it is decontaminated? LANL should provide more detailed information regarding the removal and decontamination procedures proposed within the closure plan.

Attachment B
Administrative Deficiencies

1. DOE/LANL's proposed Closure Plan separates the inside from the outside storage areas and treats them differently. DOE/LANL proposes to clean close the inside storage area while addressing "surface contamination of the pad" at the outside storage area. In this Closure Plan, contamination other than on the surface of the pad even if it may have originated from the pad, would be addressed during corrective action activities at TA-21. To achieve "Clean Closure" as described in the closure plan both inside and outside storage areas must be addressed in the same manner and at the same time due to the fact they were listed as a single unit on Part A attaining Interim Status for Mixed Waste in January, 1991. The goal of clean closure at storage sites is to leave no materials that require further care. The "industrial Clean Closure" proposed in the closure plan would require "deed notices" and possible revisiting of the site if the land use changed. NMED recommends that DOE/LANL revise the closure plan to describe removal of the possible source in the TA-21 Building 61 Storage Area. NMED then will certify removal of the source, under the provisions of 20 NMAC 4.1 (revised November 1995) Subpart VI, § 265.111, and allow additional contamination to be addressed through Corrective Action of SWMU 21-003 under the provisions of the Hazardous and Solid Waste Amendments (HSWA) to the Resource Conservation and Recovery Act (RCRA).
2. DOE/LANL must provide an Ecological Risk as well as a Human Health Risk Assessment for this unit based on the performance standard addressed in the closure plan. DOE/LANL is reminded that NMED requires a risk assessment based on residential standards for a comparison reference point.
3. DOE/LANL must provide NMED with a software copy of the amended closure plan on a 3.5" floppy disk in WordPerfect 5.1 for the preparation of the Public Notice and final version for that Public Notice. This disk must be submitted with the written response to this NOD within 30 calendar days of the receipt of this correspondence.