

UNIVERSITY OF CALIFORNIA  
LOS ALAMOS SCIENTIFIC LABORATORY  
(CONTRACT W-7405-ENG-36)  
P.O. BOX 1663  
LOS ALAMOS, NEW MEXICO 87545

H-7A-76-112  
517

8 November 1976

0982 TA-SH

REPLY  
REFER TO:  
MAIL STOP:

Mr. Delacroix Davis, Jr., Director  
Nuclear Matls & Waste Mgmt. Div.  
Albuquerque Operations Office  
Energy Research & Development  
Administration  
P. O. Box 5400  
Albuquerque, NM 87115

File	
MA Rogers	
Linda T	
J Smith	
mw	

Dear Mr. Davis:

The solid radioactive waste management activities at LASL during October, 1976, are described below.

I. Program Changes

None

II. Current Activities

A. Construction work continued on the Waste Management Support Facility at Area G. As of the end of October the building installation was nearly complete, with electrical and mechanical work to be completed by the end of November.

B. Construction work on the TRU-Drum Storage Shed did not begin in October. Detailed facility plans are in the process of being approved.

C. Land clearing for the Phase I of the Area G expansion fencing began October 7, and the digging of post holes was begun by the end of the month.

D. Planning and design work were continued on the Phase II of the Area G expansion fencing and on the extension of utilities within the expanded area.

E. A revised schedule for work on the Waste Management Control Facility was issued; facility completion now is anticipated to be about 15 February 1978.

F. The final backfill of Pit 24 (U+FP/IA waste) was begun during October. The filling of Pit 20 (nonretrievable TRU-contaminated waste) began on the last layer during the month.



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G. The approximately 2 mi long access road into Area G was graded and oiled. This work has greatly improved driving conditions, especially in the area of dust elimination.

H. Work has been restarted to improve the labeling of waste Dempster Dumpsters and their security. The objective of the work is to have all radioactive Dumpsters, and "cold" waste Dumpsters in or near radioactive work areas, clearly identified and secured such that wastes cannot be improperly disposed. In addition, the bottom locking doors of all radioactive waste Dumpsters are being fitted with hasps and are being locked to preclude any possible accidental dumping at an improper location.

I. With the recent addition of staff to the LASL Waste Management program, work to insure that all LASL operating groups have updated Standard Operating Procedures (SOP's) for waste management has begun. Much of this work involves the initiation of required waste segregation procedures in anticipation of the beginning of waste compaction operations within the next few months.

J. LASL Waste Management personnel attended a workshop on the ERDA developed SWIMS-Solid Waste Information Management System. Meeting the reporting requirements of SWIMS will greatly increase the amount of "paperwork" relating to waste management operations at LASL that must be prepared and sent out. A minimum of about 90 SWIMS forms will have to be completed annually at LASL due to the great variety in waste generating, disposal, and storage operations.

### III. Future Activities

A. Work on the Waste Management Support Facility at Area G should be nearly completed by the end of November. The expected delivery date for the waste compactor-baler now is early January 1977.

B. Construction of the TRU-Drum Storage Shed should begin about mid November 1976.

C. Phase I of the Area G expansion fencing should be completed by the end of November or early December.

D. Planning and design work will continue on the Phase II of the Area G expansion fencing on the extension of utilities, and on the Waste Management Control Facility (office-change room-count room) at Area G.

E. The backfilling of pit 24 should be completed within four to six weeks. Plans presently are being formulated to contour the entire area around the pit, and to bring in sufficient topsoil early next Spring to revegetate the area.

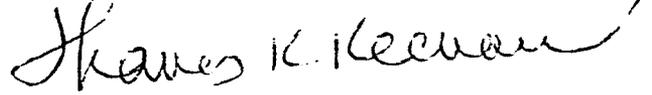
F. Work on Dempster Dumpsters and waste generator group SOP's will continue as required.

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Sincerely yours,



Thomas K. Keenan  
H-7 Group Leader

TKK:JLW:egs (A-411)

Enclosure: Solid Radioactive Waste Inventory Summary

xc: W. Crismon, Jr., ERDA/LAAO, w/enc.  
G. L. Voelz, M.D., H-Division Leader, w/enc.  
H. S. Jordan, H-DO, w/enc.  
~~L. J. Johnson, H-8 Group Leader, w/enc.~~  
ISD-5 (2)  
H-7A File (2), w/enc.

# SOLID RADIOACTIVE WASTE INVENTORY SUMMARY

October, 1976

(Burial/Storage at Area G, TA-54 Unless Otherwise Specified)

(Volume in Cubic Meters)

	<u>Transuranic</u>		<u>Uranium</u>	<u>Fission</u>	<u>Tritium</u>
	<u>&gt;10 nCi/g*</u>	<u>&lt;10 nCi/g<sup>†</sup></u>		<u>Product/Induced</u>	
Beginning Cumulative CY76 Inventory	215.5	5906.9	2131.0	108.5	15.8
Stored/Buried	<u>29.5<sup>a</sup></u>	<u>77.9<sup>b</sup></u>	<u>49.1</u>	<u>8.6</u>	<u>0.6</u>
Ending Cumulative CY76 Inventory	244.5	5984.8	2180.1	117.1	16.4

\* (>100 nCi/g <sup>238</sup>Pu, >10 nCi/g <sup>239</sup>Pu)

† (<100 nCi/g <sup>238</sup>Pu, <10 nCi/g <sup>239</sup>Pu)

Notes: a. Breakdown 16.8 Area T (Retrievable)  
12.7 Area G (Retrievable)  
0.008 Area G (Nonretrievable)

b. Breakdown 74 Area G  
3.8 Area T