

LANL TR-50/MDA-C

Off-site shippers of solid radioactive waste material to Los Alamos, their names, addresses, and dates of first shipments are as follows:

<u>Shipper</u>	<u>Date of First Shipment</u>
University of New Mexico, Albuquerque, New Mexico	7-16-58
Mason and Hanger, Silas Mason Co., Inc., Amarillo, Texas	9-30-58
Bendix Aviation Corp, Kansas City, Mo.	3-29-59
Eberline Instrument Co., Santa Fe, New Mexico	8-17-60

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7/16/99

Material Shipped*

<u>Shipper</u>	<u>1958</u>		<u>1959</u>		<u>1960</u>		<u>1961</u>	
	<u>Vol. Yd.³</u>	<u>Wt. Lbs.</u>	<u>Vol. Yd.³</u>	<u>Wt. Lbs.</u>	<u>Vol. Yd.³</u>	<u>Wt. Lbs.</u>	<u>Vol. Yd.³</u>	<u>Wt. Lbs.</u>
Univ. of N.M.	0.5	50	0.5	50	0.4	1,500	-	-
Silas Mason Co.	0.3	50	0.3	50	2.5	350	1.5	750
Bendix Aviation	-	-	45.1	-	115.9	78,566	51.4	-
Eberline Inst. Co.	-	-	-	-	.4	100	1.1	300

*Weights are estimated.

Acres of Surface Area Used Annually

Prior to 1946 two pits having a total area equal to 1.25 acres were filled. The records for this period are not complete enough to give the average area used annually.

From 1946 to September, 1948 pits having a total area of 6.03 acres were filled. The average area used annually during this period is about 2 acres per year.

From late in 1948 to the end of 1958 pits having a total area of 10 acres were filled, averaging about 1 acre per year.

From 1959 to 1960 the average area used annually was 0.5 acre per year.

Estimated Curies Buried

Prior to fiscal year 1961 very little gamma active material was sent to the disposal pits and no records were kept. The figure quoted for fiscal year 1961 is at best only an estimate due to extreme difficulty in determining the curie activity of certain waste material.

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TABLE I

LOS ALAMOS SCIENTIFIC LABORATORY
LAND BURIAL OF RADIOACTIVE WASTES

Fiscal Year	Material Buried Cu. Yds.	Cost of Land Burial Only \$/Cu. Yd.	Acres of Surface Area Used Annually	Trench Size Ft.	Estimated Curies Buried	Reference
1947	-	-	2	-	-	
1948	-	-	2	-	-	
1949	-	-	1	600'x40'x25'	-	
1950	-	-	1	600'x40'x25'	-	
1951	-	-	1	600'x40'x25'	-	
1952	-	-	1	600'x40'x25'	-	
1953	3,800	\$2.70	1	700'x100'x30'	-	JHUO-2 ⁽¹⁾
1954	-	-	1	700'x100'x30'	-	
1955	2,300*	3.80	1	500'x100'x20'	-	NYO-7830 ⁽²⁾
1956	2,500	4.50	1	500'x100'x20'	-	AECU-4130 ⁽³⁾
1957	3,200	3.40	1	500'x100'x20'	-	AECU-4130
1958	3,100	3.30	1	500'x100'x20'	-	AECU-4130
1959	4,191	2.10	0.5	500'x100'x20'	-	
1960	5,551	1.52	0.5	500'x100'x20'	-	
1961	6,442	1.65	0.5	500'x100'x20'	5,671	

* Does not include special building dismantling job which required burial of additional 9,000 cu. yds.

(1) Joseph, A. B., and Morgan, J. H., Disposal of Radioactive Waste in the Western United States, JHUO-2, 1953.

(2) Joseph, A. B., Radioactive Waste Disposal Practices in the Atomic Energy Industry---Survey of the Costs, NYO-7830, 1955.

(3) Enders, J. W., Radioactive Trash Disposal at Los Alamos, AECU-4130, 1958.

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LAULTA-50,MDA-C

Group Eng-4

August 9, 1961

Attention: C. A. Reynolds

Property Management Section

DISPOSAL OF BENDIX CORP. WASTE MATERIALS

SP-2

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LAASL agreed to dispose of certain quantities of classified contaminated waste materials being generated by the Bendix Corp., Kansas City, Missouri. This agreement was given by L. K. Froman, TAB, in correspondence which is on file in SP-2.

MAC Purchase Order Number 8-938855 covers disposals between July 1, 1961, through June 30, 1962

Attached is Job Order Number 135739 to cover this disposal. Various points of information concerning this disposal are as follows:

1. Bendix will ship to LAASL approximately 190 barrels of classified contaminated waste material. The exact number of barrels, the exact weight, and the number of trucks to be used will be furnished by Bendix within the next few days.
2. This material is scheduled to arrive at Building 22-30 on Wednesday, August 30, 1961, at 8:00 a.m. SP-2 will arrange to have the trucks moved immediately to Contaminated Pit #2 on Mesita Del Buzo
3. This material is classified Confidential Restricted Data. It is also radioactive. The exact reading will be furnished by Bendix prior to the receipt of the material.
4. These trucks should be unloaded on August 30, 1961, immediately upon arrival at Contaminated Pit #2.
5. This material should immediately be covered with two feet of earth as required by LAAS Security.
6. By copy of this memorandum, H-1 is requested to have a monitor in attendance during this job. H-1 is also requested to provide protective clothing as necessary.
7. LAAS Security has been requested to provide necessary protection in the event this material has to be guarded over the noon hour.
8. John Stein, LAAS Supply and Contracts, has been notified of this transaction.

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C. A. Reynolds

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August 9, 1961

9. It is requested that N. E. Riechman, SP-2, and T. F. Lund, AO-3, be furnished certified costs for Job Order 135739 as soon as they are available.
10. N. E. Riechman, SP-2, will co-ordinate this transaction.

FOR THE DEPARTMENT HEAD

Original Signed by
NORMAN H RIECHMAN

N. E. Riechman
Section Leader, SP-2

RE: [redacted]

Attachment

cc: John Stein, LIAO, AHS
Evan Meyer, E-1 ←
John Roberts, E-1
Ray Riechman, E-3
T. F. Lund, AO-3
Evan Meyer, SP-20
JMS

Mason & Hanger
Silas Mason Co., Inc.

ENGINEERS AND CONTRACTORS
SINCE 1887

P. O. BOX 647
AMARILLO TEXAS

July 20, 1961

Llo

LAM (TA-50, MDA C)

21659

Director's Office
Los Alamos Scientific Laboratory
P. O. Box 1663
Los Alamos, New Mexico

Attention: Mr. Dean Meyer

(S-7) ^{MY}
7/16/61

Dear Sir:

In accordance with arrangements previously made for the disposal of radioactive solid waste from Poston and Burlington by burial at Los Alamos, we are shipping to you two 55-gallon drums and 5 1/2 cases of material labeled Class A Waste, Group III, Tuballoy Waste. The drums contain tuballoy, swipes, Kimwipes, rubber gloves, plastic boxes and other materials contaminated with tuballoy waste.

Very truly yours,

[Signature]
SILAS MASON CO., INC.

[Signature]
Area Chief Engineer

[Signature]
Mr. E. E. Nelson

*Mason & Hanger-
Silas Mason Co., Inc.*

ENGINEERS AND CONTRACTORS
SINCE 1827

P O BOX 647
AMARILLO TEXAS

September 18, 1961

Director's Office
Los Alamos Scientific Laboratory
P. O. Box 1663
Los Alamos, New Mexico

(S-7) ^m
7/16/99

Attention Mr. Dean Myers

Dear Sir

In accordance with arrangements previously made for the disposal of radioactive solid waste from Pantex and Burlington by burial at Los Alamos, we are shipping to you seven AN cans of material labeled Class D Poison, Group III, Uranium Waste. The cans contain uranium oxides, ash, earth and plastic bags.

Very truly yours,

MASON & HANGER - SILAS MASON CO , INC

Henry B Osborne
Henry B. Osborne
Area Safety Engineer

HBO•nc

cc - H. S. Deaton