1993 ANNUAL PCB DOCUMENT
for
LOS ALAMOS NATIONAL LABORATORY
EPA Region VI

January 1, 1993 through December 31, 1993

STORAGE FACILITY

Facility Name:	Los Alamos National Laboratory
Facility Address:	PCB Storage Area
	P.O. Box 1663, Mail Stop J593
	TA-54, Building 39
	Los Alamos, NM 87545
Facility EPA ID #:	NM0890010515

DISPOSAL FACILITY

Facility Name:	Los Alamos National Laboratory
Facility Address:	PCB Disposal Area
	P.O. Box 1663, Mail Stop J595
	TA-54, Area G
	Los Alamos, NM 87545
Facility EPA ID #:	NM0890010515

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MASTER

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Note: Questions or comments should be directed to Rebecca Wechsler, Water Quality and Hydrology Section, ESH-8, 505-667-0814.

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TX00260791 66

TX00260792 78

ENS001289 85

UNI0018609 90

TX00200220 102

TX00200221 112

TX00200341 123

UNI0018416 133

TX00423744 143

TX00423753 165

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L92000931 174

L93000015 176

L93000346 183

L93000614 183

L93000806 187

1.0 INTRODUCTION

This document, the "1993 Annual PCB Document for Los Alamos National Laboratory" was prepared to fullfill the requirements of the federal PCB (Polychlorinated Biphenyl) regulation: 40 CFR 761 Subpart J *General Records and Reports.*

The PCB Management Program at Los Alamos National Laboratory (LANL), Environmental Protection Group, compiled this 1993 Annual PCB Document. The overall format generally follows the sequence of the applicable regulations. Subsection 1.2 cross references those regulatory requirements with the applicable Document Section.

The scope of this document also includes status summaries of various aspects of LANL's PCB Management Program. The intent of this approach to the Annual Document is to provide an overview of LANL's 1993 PCB Management Program and to increase the usefulness of this document as a management tool. Section 2.0, "Status of the PCB Management Program", discusses the use, generation of waste, and storage of PCBs at LANL.

Section 3.0 is the 1993 Annual Document Log required by 761.180(a). This Section also discusses the PCB Management Program's policies for reporting under those regulatory requirements. Sections 4.0 and 5.0 contain the 1993 Annual Records for off-site and on-site disposal as required by 761.180(b). There is a tab for each manifest and its associated continuation sheets, receipt letters, and certificates of disposal.

1.1 Background

The specific LANL operations subject to the record-keeping requirements of 40 CFR Part 761.180 are: 1) the management and operation of a PCB disposal facility, 2) the generation, storage and arrangement for disposal of PCB waste, and 3) the use of in-service PCB equipment. EPA issued LANL one EPA ID # (NM0890010515) for all PCB activities.

LANL's EPA-approved PCB disposal facility is located at Technical Area (TA) 54, Area G. In accordance with EPA's approval conditions, DOE/LANL sends EPA Region VI Semi-annual Reports on the quantities and types of PCB materials disposed. In addition, the Fall Semi-annual Report includes surface and ground water monitoring data as required by the approval conditions. The LANL Group responsible for preparation of the Semi-annual Report is the Environmental Protection Group, ESH-8. The Chemical Waste Management Group, CST-7, is responsible for the management of the PCB disposal facility and for manifesting shipments of PCB waste to off-site disposal facilities.

The PCB Storage Facility is also managed by CST-7 and is located at TA-54, Building 39. This PCB Storage Facility (EPA ID# NM0890010515) is subdivided into a non-Radioactive PCB (non-Rad/PCB) and a Radioactive PCB (Rad/PCB) waste storage area. The non-rad/PCB waste is temporarily stored less than 90 days prior to shipment for off-site disposal. The storage of Rad/PCB waste is discussed in Section 2.2.

The PCB equipment remaining in service at the Laboratory includes transformers, capacitors, lathes, and other equipment containing dielectric or hydraulic fluids. Sampling and inventory of these items is the responsibility of the PCB Management Program in ESH-8. The Program maintains a PCB inventory and disposal database to track PCB-containing items. The information for the PCB database was compiled from the on-going PCB Survey and records supplied by CST-7 personnel regarding transportation and disposal of PCB waste. The goal of the PCB Survey is to sample and/or inventory all PCBs at LANL. Section 2.0 discusses the PCB Survey status.

1.2 DOCUMENT CONTENT VS. COMPLIANCE REQUIREMENTS

40CFR761.180		1993 ANNUAL DOCUMENT SECTION
PCBS AND PCB ITEMS IN SERVICE OR PROJECTED FOR DISPOSAL		
(a)	Annual Document	Sections 3.0 - 5.0
(a)(1)(i-ii)	Annual Records	Sections 4.0 and 5.0
(a)(2)	Annual Document Log	Section 3.0
(a)(2)(i)	Name, Address, EPA ID #, dates covered	Title Page, Section 3.0
(a)(2)(ii)(A)	Bulk Waste Disposal Info.	Section 3.0 Discussion
(a)(2)(ii)(B)	PCB Article Disposal Info.	Section 3.4.1 and 3.6
(a)(2)(ii)(C)	PCB Container Disposal Info.	Section 3.5
(a)(2)(ii)(D)	PCB Article Container Disposal Info.	Section 3.6
(a)(2)(iii)	Total by specific type of PCB Articles, PCB Article Containers, PCB Containers, and bulk PCBs placed into storage for disposal or disposed	Section 3.7
(a)(2)(iii)	Disposal Totals by Specific Type	Sections 3.4 - 3.7 (Table totals)
(a)(2)(iv)	In-Service PCB Transformers	Section 3.8
(a)(2)(v)	In-Service Large PCB Capacitors	Section 3.9
(a)(2)(vi)	In-Service PCBs and PCB Items in PCB Containers	Section 3.10
(a)(2)(vii)	Disposal of PCBs or PCB Items received from or shipped to another facility but owned by this generator	Section 3.6
(a)(2)(viii)	Generator verification record of disposal facility receipt of PCB waste	Section 4.0
DISPOSERS AND COMMERCIAL STORERS OF PCB WASTE		
(b)(1)(i-ii)	Annual Records	Section 5.0
(b)(2)	Annual Document Log	Section 3.0
(b)(2)(i)	Name, Address, EPA ID #, dates covered	Title Page, Section 3.0
(b)(2)(ii)(A-D)	Disposal Info. by specific type	Section 3.0 - 3.7
(b)(2)(ii)(E)	Confirmed Date of Disposal	Interpreted as "Final Disposal Date" on RSWD Form
(b)(2)(iii)	Disposal Info. for PCB waste disposed at the facility which generated the waste	Section 3.0-3.7
(b)(3)	Annual Report	Section 3.0 - 5.0
(b)(3)(i)	Name, Address, EPA ID #, dates covered	Title Page, Section 3.0
(b)(3)(ii)	List of signed manifest numbers	Section 3.1
(b)(3)(iii-iv)	Total wt. and number of certain PCB Items stored at the <u>beginning</u> of year, received or generated, transferred from, or disposed at the facility <u>during</u> the calender year	Sections 2.2.1 and 3.7 (no PCBs destined for disposal at area G are stored before disposal)
(b)(3)(v-vi)	Total wt. and number of certain PCB Items remaining in storage for disposal at the facility at the <u>end</u> of the calendar year	Section 2.2.2 (see note above)
(b)(4)	Commercial storer requirements	LANL does not commercially store any waste

2.0 STATUS OF THE PCB MANAGEMENT PROGRAM

LANL's management of PCBs and PCB items closely follows all applicable regulations and involves personnel from several LANL Divisions and Contractors. In general, the PCB Management Program entails the following tasks:

- Sample, mark, and assign PCB ID #s to PCB items,
- Inventory in-service PCB items
- Inspect in-service PCB items,
- Manage on-site PCB waste storage,
- Manage on-site PCB waste disposal operations,
- Manage all PCB transportation manifests and disposal records,
- Manage PCB and PCB-contaminated transformer replacement and reclassification activities,
- Maintain PCB transformer registration with the Los Alamos Fire Dept,
- Respond to spills or leaks of PCB fluids,
- Manage other corrective activities, and
- Write regulatory reports and maintain all pertinent documentation.

The organizations responsible for managing the above tasks are: ESH-8, CST-7, ENG-5, ENG-1, Johnson Controls, Inc. (a Contractor), and Benchmark Environmental Corp. (a Contractor). The PCB Program Management Plan describes in detail the responsibilties of those entities and the procedures they use to implement the program. The PCB Program Management Plan is on file in the ESH-8 Water Quality and Hydrology Section Office at TA 59, Building 116 (505-665-2288). The Water Quality and Hydrology Section (WQH), PCB Management Program, ESH-8, was reponsible for the compilation and submittal this 1993 Annual PCB Document. The PCB Management Program is also responsible for conducting the PCB Survey discussed below.

2.1 Status of the PCB Survey

The PCB Survey started in 1992 and involves the systematic inspection of LANL buildings and grounds for PCB-containing items. The inspection includes interviews with building managers and personnel familiar with the equipment and operations in that building. During the inspection, oil samples are collected if any items are suspected of containing PCBs. Items which are $\geq$50 ppm PCB are inventoried and included in LANL's in-service database.

Some of the equipment or uses found to contain PCBs at LANL are:

- transformers,
- switch gear,
- diffusion pumps,
- power supplies,
- screen filters,
- power hacksaws,
- hydraulic systems
- lathes,
- molding machines,
- elevators.
- voltage regulators,
- vacuum pumps,
- hydraulic presses,
- compressors,
- elox machines,
- heat transfer oils,
- microscopy oil,
- fluorescent light ballasts,
- capacitors, and

The status of the PCB Survey as of February 18, 1994 is summarized in Table 2.1. Specific information about each type of equipment, i.e. their PCB concentrations, locations, regulatory information, etc., is maintained in the PCB database.

The words "Closed," "Closure Drafted," and "Pending" in the Table 2.1 column titled "Closure" mean that the in-service inventory for that Group/Organization has been completed with written notification, completed but notification is in draft, or data is still being compiled.

The PCB Management Program encourages the operating groups to remove inventoried PCB items from service and initiate the paperwork for disposal. When the paperwork complete, the item(s) is transported to LANL's PCB Storage Facility for subsequent shipment to an off-site disposal facility.

Not included in Table 2.1 is the transformer inventory status. All LANL's substation transformers have been inventoried. Transformers in-service during 1993 are listed in Section 3.8. During July and August of 1994, 17 PCB transformers are scheduled for replacement and 10 PCB-contaminated transformers are expected to be reclassified to non-PCB. By the end of FY 1995, the PCB Management Program plans to have all PCB transformers replaced, disposed, or reclassified to non-PCB (<50 ppm) status. Section 2.3 discusses the status of the Transformer Reclassification Project.

Table 2.1 ESH-8 PCB Survey (As of 2/18/94)				
Group/Organization	# of Buildings	# of Samples	Closure Status	# of PCB Items
ESA-2 (WX-3)	20	29	Closed	None
CST-DO (CLS-DO)	34	82	Closed	2
MTL-DO (MST-DO)	10	54	Closure Drafted	95
CST-5 (CLS-5)	28	37	Closed	46
ESA-13 (MEE-13)	20	None	Pending	14
CST-DO (INC-DO)	7	4	Closure Drafted	None
DX-15 (M-6)	45	7	Pending	51
AOT-7 (AT-7)	19	7	Closure Drafted	3
MLT-7 (MST-7)	5	5	Pending	1
ESA-6 (MEE-3)	5	3	Pending	None
NIS-5 (N-1)	14	21	Closure Drafted	None
CST-7 (EM-7)	21	29	Pending	None
P-1	13	14	Pending	None
P-4	3	None	Pending	2
NIS-7 (N-4)	3	None	Pending	None
NWT/MEC	4	194	Pending	6
ESA-8 (MEE-12)	3	None	Pending	1
JCI	148	45	Pending	None
EES-4	14	7	Closure Drafted	None
MAT-14	7	5	Closure Drafted	None
INC-OU	35	7	Pending	None
EES-15	22	6	Pending	None
CST-15 (INC-15)	13	19	Pending	1
P-15	9	32	Pending	3
NMT-DO	Pending	Pending	Pending	76
TOTALS	502	607		301

2.2 Storage of PCB Waste

LANL operates a PCB Storage Facility at TA-54, Area L, Building 39. The storage area is divided into a non-radioactive (non-Rad/PCB) PCB waste storage area and a Radioactive PCB (Rad/PCB) waste storage area. All non-Rad/PCB waste is stored for 90 days or less before shipment to an off-site disposal facility.

Non-liquid, low level Rad/PCB waste is not stored prior to its disposal at the TA-54 Area G PCB Disposal Facility. Liquid Rad/PCB waste is stored at the Area L facility. This waste will be stored until there is an EPA-approved disposal facility for Rad/PCB waste. As of 2/28/94, there were 43 drums of Rad/PCB waste stored at the Area L Storage Facility.

Tables 2.2.1 and 2.2.2 meet the documentation requirements for storers of PCB waste. Table 2.2.1 meets those requirements for specifying all PCB quantities and types in storage at the beginning of the 1993 calendar year. Table 2.2.2 includes the quantities and types of PCB waste in storage at the end of the 1993 calendar year. Table 2.2.3 lists the Rad/PCB waste placed into storage in 1994 (as of 3/17/94).

TABLE 2.2.1 PCB WASTE STORED FOR DISPOSAL AT THE BEGINNING OF THE 1993 CALENDAR YEAR

DESCRIPTION OF DRUM CONTENT	PCB ID#	PCB (ppm)	PCB WT.(kg)	REM/STO DATE[1]	CONTAINER NUMBER	NUCLIDE
Non-Rad. PCB Waste						
OIL	32764	≤500	0.01	12/17/92	32764	N/A
Rad/PCB Waste						
WATER	pending	≥500	204.00	10/23/89	898188	U235
WATER	pending	≥500	204.00	10/23/89	898189	U235
WATER	pending	≥500	204.00	10/23/89	898190	U235
WATER	pending	≥500	204.00	10/23/89	898191	U235
WATER	pending	≥500	204.00	10/23/89	898192	U235
WATER	pending	≥500	204.00	10/23/89	898193	U235
WATER	pending	≥500	225.00	10/23/89	898194	U235
WATER	pending	≥500	204.00	10/23/89	898195	U235
WATER	pending	≥500	204.00	10/23/89	898196	U235
WATER	pending	≥500	181.82	11/14/89	899407	UNKNOWN
WATER	pending	≥500	181.82	11/14/89	899408	UNKNOWN
CAPSUR WATER	pending	≥500	204.00	01/17/90	900208	H3
DEBRIS	pending	≥50	45.45	06/08/90	904534	U235
DEBRIS	pending	≥50	45.45	06/08/90	904535	U235
OIL & VERMICULITE	pending	≥50	113.63	06/08/90	904536	U235
DEBRIS	pending	≥50	74.00	03/13/91	91002959	UNKNOWN
LABPACK	pending	≥50	3.63	06/19/91	91004476	UNKNOWN
OIL	912134	≥500	250.00	06/10/91	91004631	Pu238
						Pu239
CAPSUR WATER	912134	≥500	250.00	06/10/91	91004633	Pu238
						Pu239
CAPSUR WATER	912134	≥500	250.00	06/10/91	91004634	Pu238
						Pu239
CAPSUR WATER	pending	≥500	181.00	06/11/91	91005565	Cs137
CAPSUR WATER	pending	≥500	250.00	08/13/91	91005566	Cs137
CAPSUR WATER	pending	≥500	250.00	08/13/91	91006216	Cs137
OIL	pending	69.7	0.02	08/16/91	91006760	UNKNOWN
OIL FLUSH	912134	≥500	250.00	06/10/91	91007415	Pu238
						Pu239
TEN CAPACITORS	912141	≥500	138.00	08/20/91	91021599	UNKNOWN
	912143	≥500		08/20/91		
	912144	≥500		08/20/91		
	912152	≥500		08/20/91		
	912153	≥500		08/20/91		
	912154	≥500		08/20/91		
	912155	≥500		08/20/91		
	912156	≥500		08/20/91		
	912157	≥500		08/20/91		
	912159	≥500		08/20/91		

1 REM/STO DATE = The date the item was removed from service and/or placed into storage

TABLE 2.2.1 (CONTINUED)

DESCRIPTION OF DRUM CONTENT	PCB ID#	PCB (ppm)	PCB WT.(kg)	REM/STO DATE[1]	CONTAINER NUMBER	NUCLIDE
NINE CAPACITORS	912142	≥500	127.00	08/20/91	91021600	UNKNOWN
	912145	≥500		08/20/91		
	912146	≥500		08/20/91		
	912147	≥500		08/20/91		
	912148	≥500		08/20/91		
	912149	≥500		08/20/91		
	912150	≥500		08/20/91		
	912151	≥500		08/20/91		
	912158	≥500		08/20/91		
SIX CAPACITORS	912128	≥500	125.00	09/23/91	91021826	UNKNOWN
	912129	≥500		09/23/91		
	912130	≥500		09/23/91		
	912131	≥500		09/23/91		
	912132	≥500		09/23/91		
	912133	≥500		09/23/91		
NINE CAPACITORS	919133	≥500	99.00	09/23/91	91022013	Pu239
	919134	≥500		09/23/91		
	919135	≥500		09/23/91		
	919136	≥500		09/23/91		
	919137	≥500		09/23/91		
	919138	≥500		09/23/91		
	919075	≥500		09/23/91		
	919074	≥500		09/23/91		
	919125	≥500		09/23/91		
TWO CAPACITORS	912141	≥500	96.50	10/24/91	91023025	H3
	912136	≥500		10/24/91		
TWO CAPACITORS	912137	≥500	90.50	10/24/91	91023360	H3
	912138	≥500		10/24/91		
FOUR CAPACITORS	912176	≥500	55.80	03/05/92	92026729	UNKNOWN
	912177	≥500		03/05/92		
	912178	≥500		03/05/92		
	912179	≥500		03/05/92		
OIL	pending	50-499	213.00	10/04/91	92026834	UNKNOWN
CAPSUR WATER	pending	≥500	234.00	06/16/92	92030376	Cs137

1 REM/STO DATE = The date the item was removed from service and/or placed into storage

SPECIFIC TYPE	TOTAL PCB WEIGHT	TOTAL NUMBER
PCB Articles	N/A*	42
PCB Containers	4834.83	28
PCB Article Containers	731.8	7

* Article weights are included in the Article Container totals.

TABLE 2.2.2 PCB WASTE STORED FOR DISPOSAL AT THE END OF THE CALENDAR YEAR

DESCRIPTION OF DRUM CONTENT	PCB ID#	PCB (ppm)	PCB WT.(kg)	REM/STO DATE[1]	CONTAINER NUMBER	NUCLIDE
Non-RAD/PCB Waste						
	37716	**>500**	**14.5**	**08/10/93**	**37716**	**N/A**
RAD/PCB Waste						
WATER	pending	≥500	204.00	10/23/89	898188	U235
WATER	pending	≥500	204.00	10/23/89	898189	U235
WATER	pending	≥500	204.00	10/23/89	898190	U235
WATER	pending	≥500	204.00	10/23/89	898191	U235
WATER	pending	≥500	204.00	10/23/89	898192	U235
WATER	pending	≥500	204.00	10/23/89	898193	U235
WATER	pending	≥500	225.00	10/23/89	898194	U235
WATER	pending	≥500	204.00	10/23/89	898195	U235
WATER	pending	≥500	204.00	10/23/89	898196	U235
WATER	pending	≥500	181.82	11/14/89	899407	UNKNOWN
WATER	pending	≥500	181.82	11/14/89	899408	UNKNOWN
CAPSUR WATER	pending	≥500	204.00	01/17/90	900208	H3
DEBRIS	pending	≥50	45.45	06/08/90	904534	U235
DEBRIS	pending	≥50	45.45	06/08/90	904535	U235
OIL & VERMICULITE	pending	≥50	113.63	06/08/90	904536	U235
DEBRIS	pending	≥50	74.00	03/13/91	91002959	UNKNOWN
LABPACK	pending	≥50	3.63	06/19/91	91004476	UNKNOWN
OIL	912134	≥500	250.00	06/10/91	91004631	Pu238
						Pu239
CAPSUR WATER	912134	≥500	250.00	06/10/91	91004633	Pu238
						Pu239
CAPSUR WATER	912134	≥500	250.00	06/10/91	91004634	Pu238
						Pu239
CAPSUR WATER	pending	≥500	181.00	06/11/91	91005565	Cs137
CAPSUR WATER	pending	≥500	250.00	08/13/91	91005566	Cs137
CAPSUR WATER	pending	≥500	250.00	08/13/91	91006216	Cs137
OIL	pending	69.7	0.02	08/16/91	91006760	UNKNOWN
OIL FLUSH	912134	≥500	250.00	06/10/91	91007415	Pu238
						Pu239
TEN CAPACITORS	912141	≥500	138.00	08/20/91	91021599	UNKNOWN
	912143	≥500		08/20/91		
	912144	≥500		08/20/91		
	912152	≥500		08/20/91		
	912153	≥500		08/20/91		
	912154	≥500		08/20/91		
	912155	≥500		08/20/91		
	912156	≥500		08/20/91		
	912157	≥500		08/20/91		
	912159	≥500		08/20/91		

1 REM/STO DATE = The date the item was removed from service and/or placed into storage

TABLE 2.2.2 (CONTINUED)

DESCRIPTION OF DRUM CONTENT	PCB ID#	PCB (ppm)	PCB WT.(kg)	REM/STO DATE[1]	CONTAINER NUMBER	NUCLIDE
NINE CAPACITORS	912142	≥500	127.00	08/20/91	91021600	UNKNOWN
	912145	≥500		08/20/91		
	912146	≥500		08/20/91		
	912147	≥500		08/20/91		
	912148	≥500		08/20/91		
	912149	≥500		08/20/91		
	912150	≥500		08/20/91		
	912151	≥500		08/20/91		
	912158	≥500		08/20/91		
SIX CAPACITORS	912128	≥500	125.00	09/23/91	91021826	UNKNOWN
	912129	≥500		09/23/91		
	912130	≥500		09/23/91		
	912131	≥500		09/23/91		
	912132	≥500		09/23/91		
	912133	≥500		09/23/91		
NINE CAPACITORS	919133	≥500	99.00	09/23/91	91022013	Pu239
	919134	≥500		09/23/91		
	919135	≥500		09/23/91		
	919136	≥500		09/23/91		
	919137	≥500		09/23/91		
	919138	≥500		09/23/91		
	919075	≥500		09/23/91		
	919074	≥500		09/23/91		
	919125	≥500		09/23/91		
TWO CAPACITORS	912141	≥500	96.50	10/24/91	91023025	H3
	912136	≥500		10/24/91		
TWO CAPACITORS	912137	≥500	90.50	10/24/91	91023360	H3
	912138	≥500		10/24/91		
FOUR CAPACITORS	912176	≥500	55.80	03/05/92	92026729	UNKNOWN
	912177	≥500		03/05/92		
	912178	≥500		03/05/92		
	912179	≥500		03/05/92		
OIL	pending	50-499	213.00	10/04/91	92026834	UNKNOWN
CAPSUR WATER	pending	≥500	234.00	06/16/92	92030376	Cs137
LIQUID SAMPLES	pending	<500	68.20	11/30/93	93037716	UNKNOWN
FIVE CAPACITORS	930000	≥500	175.40	10/28/93	93038676	U238
	930001					
	930002					
	930003					
	930004					

1 REM/STO DATE = The date the item was removed from service and/or placed into storage

TABLE 2.2.2 (CONTINUED)

DESCRIPTION OF DRUM CONTENT	PCB ID#	PCB (ppm)	PCB WT.(kg)	REM/STO DATE[1]	CONTAINER NUMBER	NUCLIDE
FIVE CAPACITORS	930005	≥500	175.40	10/28/93	93038677	U238
	930006					
	930007					
	930018					
	930019					
39 CAPACITORS	939391	≥500	68.20	11/30/93	93038924	H3
(ONLY 7 HAVE ID #S)	939392	≥500				
	939393	≥500				
	939394	≥500				
	939395	≥500				
	939396	≥500				
	939397	≥500				

1 REM/STO DATE = The date the item was removed from service and/or placed into storage

SPECIFIC TYPE	TOTAL PCB WEIGHT	TOTAL NUMBER
PCB Articles	N/A	91 *
PCB Containers	4,903.03	29
PCB Article Containers	1150.80	10

* Article PCB weights are included in the Article Container totals.

PCB/RADIOACTIVE WASTE PLACED INTO STORAGE AT TA-54, BUILDING 39 IN 1994

DESCRIPTION OF DRUM CONTENT	PCB ID#	PCB (ppm)	WT.(kg)	REM/STO DATE[1]	CONTAINER NUMBER	NUCLIDE
LIQUID SAMPLES	pending	50-499	4.5	01/06/94	93039442	PU239
LIQUID SAMPLES	pending	50-499	4.5	01/06/94	93039443	PU239
LIQUID SAMPLES	pending	≥500	2.3	01/06/94	93039444	PU239
SOIL[2]	pending	<50	2.3	01/06/94	93039445	PU239
SOIL[2]	pending	50-499	2.3	01/06/94	93039446	PU239
SOIL[2]	pending	≥500	2.3	01/06/94	93039447	PU239
SOLVENT[3]	pending	<50	2.3	01/06/94	93039448	PU239

1 REM/STO Date is the date the item was removed from service and/or placed into storage.

2 These drums were disposed at Area G on 1/7/94

3 This drum is <50 ppm and was sent to Area G mixed waste storage.

2.3 Status of the Transformer Reclassification Project

The PCB Management Program at LANL has been conducting various corrective activities to reduce or eliminate the risks associated with PCB transformers. At the beginning of the Program in 1980, there were 134 PCB ($\geq$ 500 ppm) transformers and 110 PCB-contaminated (50-499 ppm) transformers at LANL. The cost of replacement of these transformers with PCB-free transformers is high, therefore, LANL has used two methods to reclassify (lower the PCB concentration to below 50 ppm) these transformers. The methods used are: retrofill and dechlorination.

Retrofill involves draining the PCB dielectric fluid, flushing, and refilling with PCB-free fluids. The transformer is then powered up for 90 days to allow diffusion of PCBs trapped in the internal components. The fluid is periodically sampled and analyzed for PCBs until the transformer can be reclassified to non-PCB when the analysis result is <50 ppm. Dechlorination is a process which chemically destroys the PCBs in mineral oil dielectric fluid. This process also removes sludges and other impurities from the fluid and helps improve transformer performance.

With the use of these processes, the total number of transformers at LANL has been reduced to 24 PCB transformers and 24 PCB-contaminated transformers. During the summer of 1994, 17 of the 24 PCB transformers are scheduled for replacement. At least five of the PCB-contaminated transformers will be reclassified by the end of the 1994 fiscal year. The following subsections list the reclassification status of retrofilled and dechlorinated transformers.

2.3.1 Retrofilled Transformers

LANL has used two retrofill methods to reclassify PCB transformers. One was performed by UNISON, a company which was later acquired by ENSR. The UNISON/ENSR retrofill process, called "Reclass 50", involved draining the PCB fluid from the transformer, refilling with a fluid designed to quicken the leaching of PCBs from internal components, draining this fluid, and refilling with a silicone fluid.

The other retrofill process was performed by ENSR and was called the "System 50" process. This process involved replacing the transformer fluid (Askarel) with the non-PCB System 50 dielectric fluid (transclene). Then a continuous distillation unit was used to remove the PCBs as they leached out of the transformer's internal components.

The following Table 2.3.1 lists the transformers retrofilled by both processes and their status as of 12/31/93. The column in Table 2.3.1 titled "Reclass. PCB Conc." and "Reclass. Date" are the concentrations and dates of reclassification. LANL and the retrofill company have periodically resampled these transformers. A column has been included in the table to show the most recent sample result for each transformer. The adjacent column shows the date on which that sample was collected.

TABLE 2.3.1 PCB TRANSFORMERS UNDERGOING RETROFILL

RECLASS 50 BATCH
PERFORMED BY: UNISON Transformer Services, Inc.
(prior to selling retrofill process to ENSR Operations)

LOCATION	PCB ID #	SERIAL #	MOST RECENT PCB CONC.	DATE OF SAMPLE	RECLASS. PCB CONC	RECLASS. DATE
TA-03-216	855559	F959267	109	08/10/93		
TA-16-540	855020	3452	21	09/06/91	21	09/06/91
TA-48-018	855548	F2156-1	150	08/29/91	50	08/10/93
TA-48-018	855549	F2154-1	121	08/29/91	42.8	08/10/93
TA-55-004	855600	PDV5985-02	34	08/29/91	34	09/06/91
TA-55-004	855601	PDV5985-04	13	08/29/91	13	09/06/91
TA-55-004	855602	PDV5985-03	1660	08/29/91	1	08/10/93
TA-55-004	855599	PDV5985-01	1910	08/29/91	1	08/10/93
TA-55-006	855603	PDV5986-01	205	08/29/91	24	04/30/93
TA-55-006	855604	PDV5986-02	8.3	08/29/91		09/06/90
TA-53-001	855605	PCV1127-01	28	08/03/91	32	04/30/93

SYSTEM 50 PROCESS
PERFORMED BY: ENSR Operations

LOCATION	PCB ID #	SERIAL #	MOST RECENT PCB CONC.	DATE OF SAMPLE	RECLASS. PCB CONC.	RECLASS. DATE
TA-53-067	85-5036	G859183	BDL[1]	06/02/93	3	01/20/93
TA-53-170	85-5037	G853266A	BDL	05/23/93	38	01/09/92
TA-53-171	85-5038	G853266B	3	06/02/93	7	12/07/93
TA-53-172	85-5039	G853264A	12	05/27/93	9	03/14/92
TA-53-173	85-5040	G853267B	13	05/23/93	35	08/17/92
TA-53-174	85-5041	G853263B	21	05/27/93	21	03/14/92
TA-53-175	85-5042	G853265B	2	10/13/93	2	05/23/93
TA-53-176	85-5043	PCV7106-01	6	01/20/93	2	01/09/92
TA-53-191	85-5044	G853263A	12	05/23/93	47	09/09/91
TA-53-177	85-5045	PCV7107-01	5	10/23/93	5	06/02/93
TA-53-178	85-5046	G853263C	16	05/23/93	15	12/07/93
TA-53-179	85-5047	G853267C	10	06/02/93	2	01/20/93
TA-53-180	85-5048	G853264B	14	05/27/93	1	03/14/92
TA-53-Lag.	85-5049	G853265A	32	05/23/93	32	01/20/93
TA-53-183	85-5050	PCV0669-01	3	09/09/91	3	09/09/91
TA-53-184	85-5053	G853269	1	06/02/93	7	01/20/93
TA-53-185	85-5054	G853267A	BDL	05/23/93	41	01/09/93
TA-53-185	85-5055	G853270	1	08/17/92	1	04/30/92
TA-53-186	85-5056	G853271	2	06/02/93	25	08/17/92
TA-53-187	85-5058	G854272	20	05/27/93	1	03/14/92

1 BDL = Analysis was Below the Detection Limit

2.3.2 Dechlorinated Transformers

The second process used at LANL to reclassify transformers is dechlorination. This method can only be applied to mineral oil transformers which generally have PCB concentrations below 2000 ppm. Dechlorination involves a chemical reaction where the chlorine molecules are removed from the PCB molecule. The process used at LANL is ENSR's "PCBX" process. I this process, a mobile treatment unit circulates the transformer fluids througha dechlorination chamber and completes the dechlorination within hours.

Table 2.3.2 shows the status of the transformers undergoing reclassification by the PCBX dechlorination process. One of the 24 transformers listed below (PCB ID# 845432) has leached PCBs back into its fluids from internal components. This transformer is scheduled for retrofill in 1994.

TABLE 2.3.2
PCB AND PCB-CONTAMINATED TRANSFORMERS
UNDERGOING DECHLORINATION

"PCBX PROCESS" Performed by:
ENSR Operations

LOCATION	PCB ID #	SERIAL #	1992 PCB CONC.	1993 PCB CONC.	SAMPLE DATE	RECLASS. DATE
TA-00-233	845495	8038475	~499	9	02/04/93	02/04/93
TA-00-232	845496	8038473	~499	12	02/04/93	02/04/93
TA-00-245	845523	8639840	~499	7	02/04/93	02/04/93
TA-00-178	845526	F956877	~499	4	02/03/93	02/03/93
TA-00-180	845527	F956876	~499	<2	02/04/93	02/04/93
TA-11-054	845519	13827	~499	20	02/03/93	02/03/93
TA-16-589	845474	59342	~499	<2	02/03/93	02/03/93
TA-16-586	845478	1-802-1	~499	21	02/03/93	02/03/93
TA-18-142	845451	1-802-1	~499	9	02/03/93	02/03/93
TA-35-101	845455	PF1-5941	~499	8	02/04/93	02/04/93
TA-39-008	929328	7524911	339	31	02/04/93	02/04/93
TA-53-002	844597	SN-G-710870	~499	<2	02/03/93	02/03/93
TA-53-002	844598	SN-D-583670	~499	3	02/04/93	02/04/93
TA-53-003	844600	11836689	~499	6	02/04/93	02/04/93
TA-53-050	845428	6466	~499	4	02/03/93	02/03/93
TA-53-222	845431	PAV747701	~499	<2	02/03/93	02/03/93
TA-53-223	845432	PAV747801	~499	72	02/03/93	-
TA-39-006	864736	GE-7524910	675	40	02/04/93	02/04/93
TA-53-310	855617	ITE-16884	1366	39	02/04/93	02/04/93
TA-03-105	919191	D583429	>500	6	01/11/94	01/11/94
TA-03-105	919192	7835-61	~499	4	01/11/94	01/11/94
TA-03-105	919193	D554248	493	35	01/11/94	01/11/94
TA-03-122	845438	C503822	~499	11	01/11/94	01/11/94

SECTION 3.0 1993 ANNUAL DOCUMENT LOG

This Section fulfills the "Annual Document Log" requirements for non-commercial facilities that generate, store, ship for disposal, and/or dispose PCBs. Those requirements are found in 40 CFR 761.180(a) and 40 CFR 761.180(b). The PCB items regulated are: Bulk PCBs (LANL did not generate any during 1993), PCB Articles (transformers etc.), PCB Containers (e.g. drums containing soil contaminated with PCBs), PCB Article Containers (e.g. drums containing capacitors), and specific types of equipment remaining in service at the end of the calendar year.

Subsection 3.1 is a table of all the shipping manifests for this 1993 Log. Subsection 3.2 lists the abbreviations used in the tables of this Log for 1) the disposal facilities, and 2) the types of PCB equipment and items. The method used to calculate the PCB weights throughout the PCB Program is discussed below in Subsection 3.3.

Subsections 3.4 - 3.7 of this Document Log include the disposal information for the PCB items LANL has ***transported*** to on- or off-site disposal facilities during the 1993 calendar year. PCB items transported off-site during 1992 and disposed in 1993 are included in last year's (1992) Annual Document Log. PCB items transported in 1993 for which LANL did not receive disposal certificates by March 31, 1994 are included in this Document Log. Next year's Annual Document Log will include the disposal dates and certificates of disposal for those items. The following table shows LANL's policy for determination whether an item is included in the current year's Annual Document Log.

Transport Date	Disposal Date	Certificate Received?	Transport and Verification Records Included in 1993 Log	Certificate, Orig. Manifest, and Verif. Records Included in 1994 Log
Jan. - Dec., '93	Jan. - June, '93	YES	YES	NO
Jan. - Dec., '93	July - Dec., '93	NO	YES	YES
Jan. - Dec., '93	1994	NO	YES	YES

LANL has also established a policy concerning reporting of disposed PCB Articles. The regulatory definition of a PCB Article includes transformers, capacitors, electric motors, pumps, pipes, etc. At LANL, non-leaking PCB articles are drumed prior to transport. These drums of PCB Articles meet the regulatory definition of PCB Article Containers. Therefore, these items are reported in the PCB Article Container Section. Therefore, those articles are not included in the PCB Article Disposal Section.

Leaking PCB capacitors or equipment are placed in drums with vermiculite. Because the inner surface of these drums could come into contact with PCBs, they meet the regulatory definition of a PCB Container and are designated as such.

LANL's PCB Management Program has a policy that all PCB capacitors are to be disposed at EPA-approved incinerators. Although TSCA allows disposal of "small" (i.e. < 1.36 kg PCBs) capacitors as solid waste unless the facility manufactured PCB capacitors or equipment, the CERCLA Reportable Quantity for PCBs is 1 pound. Therefore, LANL does not dispose "small" PCB capacitors at solid waste landfills.

Table 3.7 lists the disposal totals by specific type, i.e. PCB Article, PCB Container, PCB Article Container. The total number and PCB weight of each type are included in that table.

Subsections 3.8, 3.9, and 3.10 document the PCB items remaining in service at the end of the calendar year. Copies of LANL's documentation verifying off-site disposal facility receipt of LANL PCB waste is included in the Annual Records, Section 4.0.

TABLE 3.1 SHIPPING MANIFEST INFORMATION OFF-SITE TRANSPORTATION MANIFESTS AND CONTAINER

LANL SHIP DATE	SHIP LOCATION[1]	SHIPPING MANIFEST	CONTAINER NUMBERS	DISPOSAL DATE
01/21/93	ROLLINS (R)	TX00256156	33136	01/31/93
01/21/93	ROLLINS, US ECOL. (R,UE)	TX00256155	33161-33271	02/04/93
04/23/93	ROLLINS (R)	TX00260790	33979-339981	05/20/93
04/23/93	ROLLINS (R)	TX00260791	33655,33660	05/20/93
			34131,34060,34206	05/29/93
			33657	05/29/93
			34687,	06/01/93
			33659	06/04/93
			34207	06/06/93
			34061	06/07/93
			33656,33658	06/08/93
			34050,34689	06/18/93
04/23/93	ROLLINS (R)	TX00260792	34370,34069,34371	06/11/93
			32764,32765,33728	06/11/93
06/15/93	ENSR (E3)	ENS001289	35501,35502	08/08/93
07/21/93	UNISON (U)	UNI0018609	477681(Transformer)	08/03/93
			863964(Transformer)	08/05/93
			863956(Transformer)	08/10/93
07/28/93	ROLLINS (R)	TX00200220	35688,35689,35954	09/02/93
			35955	09/04/93
			36636,36638,36641	09/07/93
			36634-6635,36640,34825	09/08/93
			34839,34840	09/13/93
			36637,36639	09/28/93
07/28/93	ROLLINS (R)	TX00200221	36644,36645	08/28/93
			35709	09/03/93
			35645,35958,36643	09/04/93
			35425,35710	09/07/93
			36646	09/13/93
			36157	09/16/93
			35426,35427	09/28/93
08/19/93	ROLLINS (R)	TX00200341	37157	09/08/93
09/21/93	UNISON (U)	UNI0018416	190917	10/08/93
10/01/93	ROLLINS (R)	TX00423744	337161,37080	10/23/93
			37079,37081,37393	10/25/93
			37972-37974	10/27/93
			37395	10/28/93
			37976	10/29/93
			36535,37156	10/30/93
			34829,36454,36687	10/31/93
			36977,37410,37971	10/31/93
			37975,37977,37978	10/31/93
			37093,37969,37970	11/02/93
			37394	11/09/93

1 R, UE, E3, and U are Disposal Facility abbreviations. See Section 3.2, pg. 16 for facility EPA IDs & addresses.

TABLE 3.1 SHIPPING INFORMATION (continued) ON-SITE TRANSPORTATION AND DISPOSAL			
SHIP DATE	LOCATION	RSWD[2] #	DISPOSAL DATE
04/08/93	AREA G	L92000931	04/08/93
06/21/93	AREA G	L93000346	06/22/93
06/24/93	AREA G	L93000404	06/24/93
07/12/93	AREA G	L93000015	07/13/93
09/14/93	AREA G	L93000614	09/14/93
11/01/93	AREA G	L93000806	11/01/93

2 **RSWD is LANL's Radioactive Solid Waste Disposal record. This record documents and tracks waste to be disposed at the Area G landfill.**

3.2 Abbreviations for Disposal Facilities and Types of PCB Equipment

The tables in this Document Log use abbreviations to reference the disposal site and the type of equipment. Below are the descriptions for those abbreviations. Each disposal facility's addresse and EPA ID # is also included.

Disposal Facility Abbreviations

R ROLLINS Environmental Services, P.O. Box 609, Deer Park, Texas 77536, EPA ID # TXD055141378

U UNISON Transformer Services, Inc., 1302 W. 38th Street, Ashtabula, Ohio 44004, EPA ID # OHD981093420

UE U.S. Ecology, P.O. Box 576, Beatty, NV 89003, EPA ID # NVT330010000

E3 ENSR Operations, 4160 Perimeter Drive, Columbus, OH 43228, EPA ID # OHD81960123

G LANL, P.O. Box 1663, Mail Stop J595, Los Alamos, NM 87545, EPA ID # NM0890010515

PCB Item or Equipment Abbreviations

BP	booster pump,
CA	capacitor,
CR	crane,
DR	drill
E	elevator,
EM	elox machine,
FB	fluorescent light ballast,
H	hoist,
HS	hydraulic system,
L	lube oil,
M	electromagnet,
MM	molding machine,
MT	marx tank,
OO	optical oil,
PH	power hacksaw,
R	recloser,
S	soil,
SG	switch gear,
SW	swipe,
VG	ventilation gasket,
VR	voltage regulator,
XM	x-ray machine.
C	compressor,
CB	circuit breaker,
DC	die casting machine,
DP	diffusion pumps,
EC	insulated elect. cable,
ES	electrical switches,
GP	natural gas pipe,
HP	hydraulic presses,
HT	heat transfer equipment,
LA	lathes,
MI	milling machine,
MO	microscopy oil,
O	PCB container (oil),
P	fire-retardant paint,
PS	power supplies,
RT	radial transformer,
SF	screen filter,
SH	shear,
V	voltage potential,
VP	vacuum pump,
W	water, and

3.3 Calculation of PCB Weights

The PCB regulations require the identification of the total kilogram weight of PCBs in each PCB item. To ensure that this weight is determined consistently throughout the PCB Management Program, a policy for calculation of the PCB weight has been instituted. The policy is as follows:

Transformers or other equipment containing PCB oil

1) The density of the oil is assumed to be 12.7 lb/gal., so:

   [gal oil] X [12.7 lb/gal] X [1 kg/2.2 lb] = kg PCBs

Oil containing a known PCB concentration

1) Convert the ppm to a percentage:

   [ppm PCB] X [1% / 10,000 ppm] X [100] = % PCBs

2) Convert number of gal oil to number kg:

   [gal oil] X [12.7 lb/ga] X [1 kg/2.2 lb] X % PCBs= kg PCBs

Capacitors with an unknown volume

1) Find the cubic inches of the capacitor:

   For a cylindrical capacitor: measure the radius (r) and length (l) in inches, then

   in^3 of capacitor = $3.1415r^2h$

   For a rectangular capacitor: measure the length (l), width (w), and height (h) in inches, then

   in^3 of capacitor = lwh

2) Calculate kg PCB:

   using the following conversion:

   [12.7 lb/gal] X [1 kg/2.2 lb] X [7.48 gal/ft^3] X [1 ft^3/1723 in^3] = 0.025 kg/in^3

   [in^3 of capacitor] X [0.025 kg/in^3] = kg PCBs

PCB Containers

LANL's policy for calculating the PCB weight for a PCB Container includes the total weight of the container and its contents. To convert pounds to kg:

1) [lbs] X [1 kg/2.2 lb] = kg PCBs

3.4 PCB Article Disposal

The regulatory definition of a PCB Article includes transformers, capacitors, electric motors, pumps, pipes, etc. During the 1993 calendar year, LANL disposed PCB transformers, capacitors, and other PCB articles; however, all PCB articles except the transformers were packaged in containers prior to disposal. The definition of a PCB Article Container is: any package, can, bottle, bag, barrel, drum, tank or other device used to contain PCB articles or PCB equipment *and whose surface(s) has not been in direct contact with PCBs.* Therefore, repackaged PCB Articles (that are not leaking PCBs) are PCB Article Containers and are reported in the PCB Article Container Section of this document.

1993 ANNUAL PCB DOCUMENT

TABLE 3.4.1 DISPOSED PCB ARTICLES: PCB TRANSFORMERS

PCB ID#	PCB WT (kg)	DESCRIPTION	REM/STO DATE yy/mm/dd	TRANSPORT DATE yy/mm/dd	L O C	DESTRUCT DATE yy/mm/dd	SHIP WT. (lbs)	MANIF.#	RECEIPT DATE yy/mm/dd	CONT. #
864997	57.3	PEN-19091-7	93/09/10	93/09/21	U	93/10/08	6831	UNI/18416	93/10/14	190917
845508	0.2	9477681	93/04/13	93/07/21	U	93/08/03	755	UNI/18609	93/08/24	477681
855021	2744.0	TRANSFORMER/GE-C863956	93/07/19	93/07/21	U	93/08/10	6050	UNI/18609	93/08/24	863956
855616	589.7	TRANSFORMER/GE-C863964	93/07/19	93/07/21	U	93/08/05	2030	UNI/18609	93/08/24	863964

PCB WT(kg)= 3,391.17 TOTAL # PCB TRANSFORMERS= 4

REM/STO DATE = The date when the transformer was removed from service.

LOC = Disposal Location, see page 16 for abbreviations.

CONT. # = Container Number (for reference to Manifest Continuation Sheet)

TABLE 3.5 DISPOSED PCB CONTAINERS

PCB ID#	PCB WT (kg)	DESCRIPTION	REM/STO DATE yy/mm/dd	TRANSPORT DATE yy/mm/dd	L O C	DESTRUCT DATE yy/mm/dd	SHIP WT. (lbs)	MANIF.#	RECEIPT DATE yy/mm/dd	CONT. #
08061	100.0	1 OF 1 55 GAL DRUM DEBRIS	93/11/01	93/11/01	G	93/11/01	220	93000806	93/11/01	8061
33136	14.0	1 OF 1 CARDBOARD CONTAINER, DEBRIS	93/01/07	93/01/21	R	93/01/31	31	TX/256156	93/01/27	33136
03461	238.0	1 OF 3 55 GAL DRUMS, SOIL	92/12/16	93/04/08	G	93/04/08	524	92000931	93/04/08	33461
03462	238.0	2 OF 3 55 GAL DRUMS, SOIL	92/12/16	93/04/08	G	93/04/08	524	92000931	93/04/08	33462
03463	238.0	3 OF 3 55 GAL DRUMS, SOIL	92/12/16	93/04/08	G	93/04/08	524	92000931	93/04/08	33463
03464	1656.0	1 OF 4 WOODEN CRATES, SOIL	93/05/25	93/06/21	G	93/06/22	3645	93000346	93/04/08	33464
03465	1656.0	2 OF 4 WOODEN CRATES, SOIL	93/05/25	93/06/21	G	93/06/22	3645	93000346	93/04/08	33465
03466	1656.0	3 OF 4 WOODEN CRATES, SOIL	93/05/25	93/06/21	G	93/06/22	3645	93000346	93/04/08	33466
03467	1656.0	4 OF 4 WOODEN CRATES, SOIL	93/05/25	93/06/21	G	93/06/22	3645	93000346	93/04/08	33467
33979	193.0	1 OF 3 55 GAL DRUM STORMWATER	93/02/08	93/04/23	R	93/06/01	325	TX/260790	93/05/18	33979
33980	193.0	2 OF 3 55 GAL DRUM STORMWATER	93/02/08	93/04/23	R	93/06/01	325	TX/260790	93/05/18	33980
33981	193.0	2 OF 3 55 GAL DRUM STORMWATER	93/02/08	93/04/23	R	93/06/01	325	TX/260790	93/05/18	33981
34050	244.0	1 OF 2 55 GAL DRUM, ASPHALT	93/03/04	93/04/23	R	93/06/18	537	TX/260791	93/05/18	34050
34060	251.0	5 OF 9 55 GAL DRUM, BALLAST	93/02/26	93/04/23	R	93/05/29	810	TX/260791	93/05/18	34060
34061	368.0	6 OF 9 55 GAL DRUM, BALLAST	93/02/06	93/04/23	R	93/06/07	810	TX/260791	93/05/18	34061
34370	14.0	1 OF 1 14 GAL DRUM, DEBRIS	93/03/31	93/04/23	R	93/06/18	38	TX/260792	93/05/18	34370
34687	180.0	1 OF 2 55 GAL DRUM, OIL (845508)	93/04/12	93/04/23	R	93/06/01	319	TX/260791	93/05/18	34687
34688	180.0	2 OF 2 55 GAL DRUM, OIL (845508)	93/04/12	93/04/23	R	93/06/01	319	TX/260791	93/05/18	34688
34689	70.0	2 OF 2 55 GAL DRUM, DEBRIS	93/04/12	93/04/23	R	93/06/18	163	TX/260791	93/05/18	34689
34829	3.5	1 OF 1 55 GAL DRUM, SOLVENT LBPK	93/04/27	93/10/01	R	93/10/31	8	TX/423744	93/10/26	34829
34839	103.0	1 OF 1 55 GAL DRUM, DEBRIS	93/04/29	93/07/28	R	93/09/13	229	TX/200220	93/08/26	34839
34840	102.0	1 OF 1 55 GAL DRUM, DEBRIS	93/04/29	93/07/28	R	93/09/04	224	TX/200220	93/08/26	34840
35425	182.0	1 OF 3 55 GAL DRUM, WATER	93/06/15	93/07/28	R	93/09/07	400	TX/200221	93/08/26	35425
35426	182.0	2 OF 3 55 GAL DRUM, WATER	93/06/15	93/07/28	R	93/09/28	400	TX/200221	93/08/26	35426
35427	182.0	3 OF 3 55 GAL DRUM, WATER	93/06/15	93/07/28	R	93/09/28	400	TX/200221	93/08/26	35427
35501	328.0	1 OF 2 55 GAL DRUM OIL	93/05/07	93/06/15	E3	93/08/08	722	ENS/001289	93/06/24	35501
35502	328.0	2 OF 2 55 GAL DRUM OIL	93/05/07	93/06/15	E3	93/08/08	722	ENS/001289	93/06/24	35502
35645	53.0	1 OF 7 55 GAL DRUM, DEBRIS	93/06/19	93/07/28	R	93/09/04	117	TX/200221	93/08/26	35645
35688	359.0	1 OF 1 55 GAL DRUM, BALLAST	93/06/16	93/07/28	R	93/09/02	790	TX/200220	93/08/26	35688
35689	359.0	1 OF 1 55 GAL DRUM, BALLAST	93/06/16	93/07/28	R	93/09/02	763	TX/200220	93/08/26	35689
35709	60.0	2 OF 7 55 GAL DRUM, DEBRIS	93/06/29	93/07/28	R	93/09/03	132	TX/200221	93/08/26	35709
35710	29.0	1 OF 1 55 GAL DRUM, WATER AND OIL	93/06/29	93/07/28	R	93/09/07	63	TX/200221	93/08/26	35710
35954	230.0	1 OF 1 55 GAL DRUM, BALLAST	93/06/16	93/07/28	R	93/09/02	506	TX/200220	93/08/26	35954
35955	364.0	1 OF 1 55 GAL DRUM, BALLAST	93/06/10	93/07/28	R	93/09/04	800	TX/200220	93/08/26	35955
35958	228.0	3 OF 7 55 GAL DRUM, DEBRIS	93/06/23	93/07/28	R	93/09/04	600	TX/200221	93/08/26	35958
36157	4.0	1 OF 1 5 GAL DRUM, OIL SAMPLES	93/07/13	93/07/28	R	93/09/16	9	TX/200221	93/08/26	36157
36536	102.0	1 OF 1 55 GAL DRUM, WATER	93/06/22	93/10/01	R	93/10/30	224	TX/423744	93/10/26	36535
36634	318.0	1 OF 1 55 GAL DRUM OIL	93/07/20	93/07/28	R	93/09/08	700	TX/200220	93/08/26	36634
36635	318.0	1 OF 1 55 GAL DRUM OIL	93/07/20	93/07/28	R	93/09/08	700	TX/200220	93/08/26	36635
36636	318.0	1 OF 1 55 GAL DRUM OIL	93/07/20	93/07/28	R	93/09/07	700	TX/200220	93/08/26	36636
36637	318.0	1 OF 1 55 GAL DRUM OIL	93/07/20	93/07/28	R	93/09/28	700	TX/200220	93/08/26	36637
36638	318.0	1 OF 1 55 GAL DRUM OIL	93/07/20	93/07/28	R	93/09/07	700	TX/200220	93/08/26	36638
36639	318.0	1 OF 1 55 GAL DRUM OIL	93/07/20	93/07/28	R	93/09/28	700	TX/200220	93/08/26	36639
36640	318.0	1 OF 1 55 GAL DRUM OIL	93/07/20	93/07/28	R	93/09/08	700	TX/200220	93/08/26	36640
36641	318.0	1 OF 1 55 GAL DRUM OIL	93/07/20	93/07/28	R	93/09/07	700	TX/200220	93/08/26	36641
36643	52.0	4 OF 7 55 GAL DRUM, DEBRIS	93/07/20	93/07/28	R	93/09/04	114	TX/200221	93/08/26	36643
36644	60.0	5 OF 7 55 GAL DRUM, DEBRIS	93/07/20	93/07/28	R	93/08/28	131	TX/200221	93/08/26	36644
36645	44.0	5 OF 7 55 GAL DRUM, DEBRIS	93/07/20	93/07/28	R	93/08/28	96	TX/200221	93/08/26	36644

TABLE 3.5 DISPOSED PCB CONTAINERS

PCB ID#	PCB WT (kg)	DESCRIPTION	REM/STO DATE yy/mm/dd	TRANSPORT DATE yy/mm/dd	L O C	DESTRUCT DATE yy/mm/dd	SHIP WT. (lbs)	MANIF.#	RECEIPT DATE yy/mm/dd	CONT. #
36645	44.0	6 OF 7 55 GAL DRUM, DEBRIS	93/07/20	93/07/28	R	93/08/28	96	TX/200221	93/08/26	36645
36646	54.0	7 OF 7 55 GAL DRUM, DEBRIS	93/07/20	93/07/28	R	93/09/13	118	TX/200221	93/08/26	36646
36977	9.5	1 OF 1 55 GAL DRUM, DEBIS	93/08/10	93/10/01	R	93/10/31	21	TX/423744	93/10/26	36977
37093	230.0	1 OF 4 55 GAL DRUM, ASPHALT	93/08/06	93/10/01	R	93/11/02	506	TX/423744	93/10/26	37093
37156	118.0	1 OF 1 55 GAL DRUM, OIL (933293)	93/08/06	93/10/01	R	93/10/30	260	TX/423744	93/10/26	37156
37157	43.0	1 OF 1 55 GAL DRUM, WATER	92/02/21	93/08/19	R	93/09/08	95	TX/200341	93/09/06	37157
37394	172.0	2 OF 4 55 GAL DRUM, ASPHALT	93/08/06	93/10/01	R	93/11/09	378	TX/423744	93/10/26	37394
37395	321.0	1 OF 1 55 GAL DRUM, BALLAST	93/08/23	93/10/01	R	93/10/28	706	TX/423744	93/10/26	37395
37410	52.0	1 OF 1 30 GAL DRUM, DEBRIS	93/08/23	93/10/01	R	93/10/31	114	TX/423744	93/10/26	37410
37969	31.0	3 OF 4 55 GAL DRUM, ASPHALT	93/09/10	93/10/01	R	93/11/02	68	TX/423744	93/10/26	37969
37970	52.0	4 OF 4 55 GAL DRUM, ASPHALT	93/09/10	93/10/01	R	93/11/02	114	TX/423744	93/10/26	37970
37971	207.0	1 OF 8 55 GAL DRUM OIL (864997)	93/09/10	93/10/01	R	93/10/31	455	TX/423744	93/10/26	37971
37972	197.0	2 OF 8 55 GAL DRUM OIL (864997)	93/09/10	93/10/01	R	93/10/27	429	TX/423744	93/10/26	37972
37973	202.0	3 OF 8 55 GAL DRUM OIL (864997)	93/09/10	93/10/01	R	93/10/27	444	TX/423744	93/10/26	37973
37974	207.0	4 OF 8 55 GAL DRUM OIL (864997)	93/09/10	93/10/01	R	93/10/27	455	TX/423744	93/10/26	37974
37975	172.0	5 OF 8 55 GAL DRUM OIL (864997)	93/09/10	93/10/01	R	93/10/31	378	TX/423744	93/10/26	37975
37976	197.0	6 OF 8 55 GAL DRUM OIL (864997)	93/09/10	93/10/01	R	93/10/29	433	TX/423744	93/10/26	37976
37977	41.0	7 OF 8 55 GAL DRUM OIL (864997)	93/09/10	93/10/01	R	93/10/31	90	TX/423744	93/10/26	37977
37978	212.5	8 OF 8 55 GAL DRUM OIL (864997)	93/09/10	93/10/01	R	93/10/31	468	TX/423744	93/10/26	37978
38093	34.0	1 OF 1 55 GAL DRUM, OIL (932215)	93/10/05	93/12/22	R	/ /	750	TX/423753	94/01/27	38093
38096	50.0	1 OF 1 55 GAL DRUM OIL (932216-19)	93/10/05	93/12/22	R	/ /	110	TX/423753	94/01/27	38096
38381	187.0	2 OF 4 DRUMS, DEBRIS (30 GAL)	93/10/05	93/12/22	R	94/02/16	411	TX/423753	94/01/27	38381
38497	194.0	1 OF 4 DRUMS, DEBRIS (30 GAL)	93/10/05	93/12/22	R	94/02/16	427	TX/423753	94/01/27	38497
38747	333.0	3 OF 4 DRUMS, BALLAST (55 GAL)	93/10/28	93/12/22	R	94/02/16	733	TX/423753	94/01/27	38747
39222	370.0	4 OF 4 DRUMS, BALLAST (55 GAL)	93/12/01	93/12/22	R	94/02/16	814	TX/423753	94/01/27	39222
39380	36.0	1 OF 1 55 GAL DRUM, DEBRIS	93/12/14	93/12/22	R	/ /	79	TX/423753	94/01/27	39380

PCB WT(kg)= 19,002.50 TOTAL # PCB CONTAINERS= 74

REM/STO DATE = The date when the container was filled and/or placed into storage.

LOC = Disposal Location, see page 16 for abbreviations.

CONT. # = Container Number (for reference to Manifest Continuation Sheet)

TABLE 3.6 DISPOSED PCB ARTICLE CONTAINERS

PCB ID#	PCB WT (kg)	DESCRIPTION	REM/STO DATE yy/mm/dd	TRANSPORT DATE yy/mm/dd	L O C	DESTRUCT DATE yy/mm/dd	SHIP WT. (lbs)	MANIF.#	RECEIPT DATE yy/mm/dd	CONT. #
942227	28.0	1 VACUUM PUMP,P/N 298184	92/12/11	93/07/12	G	93/07/13	50	93000015	93/07/12	151
939471	2.8	1 OIL TRANSFER SYSTEM,SN F250060	93/05/27	93/09/14	G	93/09/14	2060	93000614	93/09/14	6141
933161	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33161
933162	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33161
933163	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33163
933164	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33163
933165	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33165
933166	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33165
933167	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33167
933168	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33167
933169	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33169
933170	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33169
933171	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33171
933172	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33171
933173	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33173
933174	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33173
933175	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33175
933176	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33175
933177	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33177
933178	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33177
933179	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33179
933180	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33179
933181	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33181
933182	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33181
933183	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33183
933184	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33183
933185	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33185
933186	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33185
933187	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33187
933188	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33187
933189	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33189
933190	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33189
933191	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33191
933192	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33191
933193	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33193
933194	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33193
933195	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33195
933196	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33195
933197	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33197
933198	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33197
933199	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33199
933200	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33199
933201	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33201
933202	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33201
933203	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33203
933204	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33203
933205	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33205
933206	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33205

TABLE 3.6 DISPOSED PCB ARTICLE CONTAINERS

PCB ID#	PCB WT (kg)	DESCRIPTION	REM/STO DATE yy/mm/dd	TRANSPORT DATE yy/mm/dd	L O C	DESTRUCT DATE yy/mm/dd	SHIP WT. (lbs)	MANIF.#	RECEIPT DATE yy/mm/dd	CONT. #
933207	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33207
933208	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33207
933209	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33209
933210	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33209
933211	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33211
933212	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33211
933213	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33213
933214	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33213
933215	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33215
933216	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33215
933217	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33217
933218	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33217
933219	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33219
933220	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33219
933221	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33221
933222	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33221
933223	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33223
933224	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33223
933225	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33225
933226	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33225
933227	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33227
933228	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33227
933229	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33229
933230	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33229
933231	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33231
933232	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33231
933233	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33233
933234	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33233
933235	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33235
933236	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33235
933237	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33237
933238	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33237
933239	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33239
933240	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33239
933241	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33241
933242	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33241
933243	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33243
933244	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33243
933245	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33245
933246	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33245
933247	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33247
933248	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33247
933249	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33249
933250	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33249
933251	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33251
933252	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33251
933253	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33253
933254	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33253

TABLE 3.6 DISPOSED PCB ARTICLE CONTAINERS

PCB ID#	PCB WT (kg)	DESCRIPTION	REM/STO DATE yy/mm/dd	TRANSPORT DATE yy/mm/dd	L O C	DESTRUCT DATE yy/mm/dd	SHIP WT. (lbs)	MANIF.#	RECEIPT DATE yy/mm/dd	CONT. #
933255	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33255
933256	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33255
933257	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33257
933258	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33257
933259	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33259
933260	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33259
933261	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33261
933262	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33261
933263	30.7	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33263
933264	30.7	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33263
933265	17.6	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33265
933266	17.6	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33265
933267	17.6	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33267
933268	17.6	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33267
933269	76.6	1 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33269
933270	17.6	2 OF 2 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04		TX/256155	93/01/25	33269
933271	76.6	1 OF 1 CA IN 55 GAL DRUM	93/01/20	93/01/21	R	93/02/04	350	TX/256155	93/01/25	33271
919131	27.2	1 OF 2 55 GAL DRUM, 1 OF 1 CA	93/01/21	93/04/23	R	93/05/20	213	TX/260791	93/05/18	33655
919110	8.3	1 OF 9 55 GAL DRUM, 1 OF 7 CA	93/01/21	93/04/23	R	93/06/08	442	TX/260791	93/05/18	33656
919113	8.3	1 OF 9 55 GAL DRUM, 2 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33656
919115	8.3	1 OF 9 55 GAL DRUM, 3 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33656
919116	8.3	1 OF 9 55 GAL DRUM, 4 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33656
919117	8.3	1 OF 9 55 GAL DRUM, 5 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33656
919121	8.3	1 OF 9 55 GAL DRUM, 6 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33656
919123	8.3	1 OF 9 55 GAL DRUM, 7 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33656
919099	8.3	2 OF 9 55 GAL DRUM, 1 OF 7 CA	93/01/21	93/04/23	R	93/05/29	447	TX/260791	93/05/18	33657
919100	8.3	2 OF 9 55 GAL DRUM, 2 OF 7 CA	93/01/21	93/04/23	R	93/05/29		TX/260791	93/05/18	33657
919101	8.3	2 OF 9 55 GAL DRUM, 3 OF 7 CA	93/01/21	93/04/23	R	93/05/29		TX/260791	93/05/18	33657
919102	8.3	2 OF 9 55 GAL DRUM, 4 OF 7 CA	93/01/21	93/04/23	R	93/05/29		TX/260791	93/05/18	33657
919103	8.3	2 OF 9 55 GAL DRUM, 5 OF 7 CA	93/01/21	93/04/23	R	93/05/29		TX/260791	93/05/18	33657
919104	8.3	2 OF 9 55 GAL DRUM, 6 OF 7 CA	93/01/21	93/04/23	R	93/05/29		TX/260791	93/05/18	33657
919105	8.3	2 OF 9 55 GAL DRUM, 7 OF 7 CA	93/01/21	93/04/23	R	93/05/29		TX/260791	93/05/18	33657
919106	8.3	3 OF 9 55 GAL DRUM, 1 OF 7 CA	93/01/21	93/04/23	R	93/06/08	429	TX/260791	93/05/18	33658
919108	8.3	3 OF 9 55 GAL DRUM, 2 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33658
919118	8.3	3 OF 9 55 GAL DRUM, 3 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33658
919119	8.3	3 OF 9 55 GAL DRUM, 4 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33658
919120	8.3	3 OF 9 55 GAL DRUM, 5 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33658
919122	8.3	3 OF 9 55 GAL DRUM, 6 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33658
919124	8.3	3 OF 9 55 GAL DRUM, 7 OF 7 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33658
919109	8.3	4 OF 9 55 GAL DRUM, 1 OF 4 CA	93/01/21	93/04/23	R	93/06/08	286	TX/260791	93/05/18	33659
919111	8.3	4 OF 9 55 GAL DRUM, 2 OF 4 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33659
919112	8.3	4 OF 9 55 GAL DRUM, 3 OF 4 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33659
919114	8.3	4 OF 9 55 GAL DRUM, 4 OF 4 CA	93/01/21	93/04/23	R	93/06/08		TX/260791	93/05/18	33659
919132	27.2	2 OF 2 55 GAL DRUM, 1 OF 1 CA	93/01/21	93/04/23	R	93/05/20	209	TX/260791	93/05/18	33660
929387	7.7	7 OF 9 55 GAL DRUM, 2 OF 2 CA	93/03/05	93/04/23	R	93/05/29		TX/260791	93/05/18	34131
929458	2.3	7 OF 9 55 GAL DRUM, 1 OF 2 CA	93/03/05	93/04/23	R	93/05/29	99	TX/260791	93/05/18	34131
939449	15.5	8 OF 9 55 GAL DRUM, 3 OF 3 CA	93/03/22	93/04/23	R	93/05/29		TX/260791	93/05/18	34206
939450	15.5	8 OF 9 55 GAL DRUM, 1 OF 3 CA	93/03/22	93/04/23	R	93/05/29	238	TX/260791	93/05/18	34206

TABLE 3.6 DISPOSED PCB ARTICLE CONTAINERS

PCB ID#	PCB WT (kg)	DESCRIPTION	REM/STO DATE yy/mm/dd	TRANSPORT DATE yy/mm/dd	LOC	DESTRUCT DATE yy/mm/dd	SHIP WT. (lbs)	MANIF.#	RECEIPT DATE yy/mm/dd	CONT. #
939460	15.5	8 OF 9 55 GAL DRUM, 2 OF 3 CA	93/03/22	93/04/23	R	93/05/29		TX/260791	93/05/18	34206
939459	15.5	9 OF 9 55 GAL DRUM,1 OF 3 CA	93/03/22	93/04/23	R	93/06/06	235	TX/260791	93/05/18	34207
939461	15.5	9 OF 9 55 GAL DRUM, 2 OF 3 CA	93/03/22	93/04/23	R	93/06/06		TX/260791	93/05/18	34207
939462	15.5	9 OF 9 55 GAL DRUM, 3 OF 3 CA	93/03/22	93/04/23	R	93/06/06		TX/260791	93/05/18	34207
929388	11.3	1 OF 2 CA IN 55 GAL DRUM	93/04/27	93/07/28	R	93/08/29	220	TX/200220	93/08/26	34825
929389	11.3	2 OF 2 CA IN 55 GAL DRUM	93/04/27	93/07/28	R	93/08/29		TX/200220	93/08/26	34825
939463	3.0	1 OF 1 5 GAL DRUM, CA	93/07/27	93/10/01	R	93/10/31	17	TX/423744	93/10/26	36454
932210	2.3	1 OF 1 5 GAL DRUM, CA	93/08/04	93/10/01	R	93/10/31	15	TX/423744	93/10/26	36687
912163	7.8	1 OF 5 55 GAL DRUM; 1 OF 3 CA	93/08/16	93/10/01	R	93/10/25	183	TX/423744	93/10/26	37079
912164	7.8	1 OF 5 55 GAL DRUM; 2 OF 3 CA	93/08/16	93/10/01	R	93/10/25		TX/423744	93/10/26	37079
912165	7.8	1 OF 5 55 GAL DRUM; 3 OF 3 CA	93/08/16	93/10/01	R	93/10/25		TX/423744	93/10/26	37079
912167	29.0	2 OF 5 55 GAL DRUM, 1 OF 2 CA	93/08/16	93/10/01	R	93/10/25	361	TX/423744	93/10/26	37080
912168	29.0	2 OF 5 55 GAL DRUM, 2 OF 2 CA	93/08/16	93/10/01	R	93/10/25		TX/423744	93/10/26	37080
912166	29.0	3 OF 5 55 GAL DRUM, 1 OF 2 CA	93/08/16	93/10/01	R	93/10/28	370	TX/423744	93/10/26	37081
912169	29.0	3 OF 5 55 GAL DRUM, 2 OF 2 CA	93/08/16	93/10/01	R	93/10/28		TX/423744	93/10/26	37081
939468	0.5	4 OF 5 55 GAL DRUM, POWER SUP.	93/08/06	93/10/01	R	93/10/23	189	TX/423744	93/10/26	37161
932221	5.4	5 OF 5 55 GAL DRUM, 2 OF 2 CA	93/08/20	93/10/01	R	93/10/25		TX/423744	93/10/26	37393
932222	42.0	5 OF 5 55 GAL DRUM, 1 OF 2 CA	93/08/20	93/10/01	R	93/10/25	143	TX/423744	93/10/26	37393

PCB WT(kg)= 4,043.98 TOTAL # PCB ARTICLE CONTAINERS= 162

CA = Capacitor

REM/STO DATE = The date when the PCB article was removed from service and placed into storage at Area L.

LOC = Disposal Location, see page 16 for abbreviations.

CONT. # = Container Number (for reference to Manifest Continuation Sheet)

TABLE 3.7 DISPOSAL TOTALS BY SPECIFIC TYPE

TYPE OF PCB ITEM	TOTAL NUMBER OF CONTAINERS	TOTAL NUMBER OF ARTICLES	TOTAL PCB WT. OF CONTENTS	MANIFEST #
PCB Articles (Transformers only)	4	4	3,391.0	UNI0018609 UNI0018416
PCB Containers	78	NA	19,002.54	-
Water, soil, debris	52	NA	13,828.6	TX00256156 TX00260790 TX00260791 TX00260792 TX00200220 TX00200221 TX00200341 TX00423744 TX00423753 L92000931 L93000346 L93000806
Oil	26	NA	5,206.8	TX00260791 TX00260792 ENS001289 TX00200220 TX00200221 TX00423744 TX00423753
PCB Article Containers	74	73	4,044.0	-
Capacitor Containers	71	152	4,233.7	TX00256155 TX00260791 TX00200220 TX00423744
Equipment Containers	3	3	67.0	TX00423744 L93000015 L93000614

TABLE 3.8.1 IN-SERVICE PCB TRANSFORMERS
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
03 0190	NORTHWEST CORNER OF SM-16	JCI	> 500000	ITE-9983-63	855010	260.00	1542.23	/ /
03 0229	SOUTH OF BLDG. 206	JCI	> 500000	GE-C-858476	855012	380.00	2227.16	/ /
03 0290	WEST OF BLDG. 287	JCI	> 500000	WES-YAR-99701	855013	145.00	771.12	/ /
03 0290	WEST OF BLDG. 287	JCI	> 500000	WES-YAR-99731	855014	300.00	1564.91	/ /
03 0290	WEST OF BLDG. 287	JCI	> 500000	WES-YAR-99691	855015	260.00	1356.25	/ /
03 0290	WEST OF BLDG. 287	JCI	> 500000	WES-UAV4732-01	855016	203.00	1059.15	/ /
03 0367	SOUTH SIDE BLDG. SM-216	JCI	> 500000	WES-7027589	855018	170.00	997.91	/ /
15 0196	WEST OF BLDG. 183	JCI	> 500000	ESC-4022243	855019	325.00	1914.16	/ /
21 0193	SOUTHEAST OF BLDG. 215	JCI	> 500000	GE-E68531	855017	210.00	1224.71	/ /
35 0032	SOUTH OF BLDG. 29	JCI	> 500000	GE-C-862754	855024	340.00	1995.83	/ /
35 0053	SOUTH OF BLDG. 27	JCI	> 500000	STA-175023 WEST	855025	350.00	2095.62	/ /
35 0053	SOUTH OF BLDG. 27	JCI	> 500000	STA-175022 EAST	855026	350.00	2095.62	/ /
50 0004	EAST OF BLDG. 1	JCI	> 500000	GE-E-687176	855023	265.00	1587.59	/ /
52 0009	NORTH OF BLDG. 1	JCI	> 500000	GE-E-688470A	855027	250.00	1406.14	/ /
52 0009	NORTH OF BLDG. 1	JCI	> 500000	GE-E-688470B	855028	250.00	1406.15	/ /
53 0003	SEC-1	MP-11	500	SN-6184	844618	467.00	1.35	/ /
53 0051	NORTH SIDE OF BLDG. 2	JCI	> 500000	ITE-16887	855032	330.00	1950.47	/ /
53 0052	SOUTH SIDE OF BLDG. 2	JCI	> 500000	GE-C-864202	855033	290.00	1723.67	/ /
53 0071	NORTH OF SECTOR A	JCI	> 500000	GE-F965698B	855034	205.00	1065.95	/ /
53 0071	NORTH OF SECTOR A	JCI	> 500000	GE-F965698A	855035	205.00	1065.95	/ /
53 0182	WEST OF BLDG. M	JCI	> 500000	STA-PFH3797	855051	370.00	2181.80	/ /
53 0182	WEST OF BLDG. M	JCI	> 500000	GE-G853268	855052	275.00	1632.95	/ /
53 0185	ON BLDG. S ROOFTOP	JCI	> 500	GE-G853270	855055	290.00	1723.67	/ /
53 0593	WEST SIDE BLDG. B	JCI	> 500000	WES-PAV0668-01	855057	175.00	913.09	/ /

TOTAL 24 TOTAL PCB WEIGHT (kg)= 35503.45

REM/STO DATE = Column was intentionally left blank since this is the removed from service date.

LOC = Disposal Location, see page 16 for abbreviations.

CONT. # = Container Number (for reference to Manifest Continuation Sheet)

TABLE 3.8.2 IN-SERVICE PCB-CONTAMINATED TRANSFORMERS
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	TYPE	CONC (ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)
03 0229		JCI	RT	499	4088633	845011	430.00	1.24
03 0122	243	JCI	RT	499	503822	845438	600.00	1.74
03 1195	SM-29	JCI	RT	499	PGG1410	845439	310.00	0.90
03 1194	SM-29	JCI	RT	499	PGG-1409	845440	310.00	0.90
03 1191	SM-29	JCI	RT	499	PGB-0415	845441	310.00	0.90
03 1190	SM-29	JCI	RT	499	PGG-1411	845442	310.00	0.90
03 1192	SM-29	JCI	RT	499	PGB-0414	845443	310.00	0.90
03 0216	RM-17	ENG-4	RT	499	GE-F959267	855559	210.00	1088.63
03 0105	OUTSIDE-WEST	CTR-DO	RT	499	UNI-L7835-61	919192	750.00	0.22
08 0023	BASEMENT	WX-3	RT	499	AC-2252433	902091	76.50	0.22
08 0023	BASEMENT	WX-3	RT	499	AC-2252434	902092	76.50	0.22
08 0023	BASEMENT	WX-3	RT	499		902093	76.50	0.22
15 0000	0.2 MILES NW OF BLDG 185	M-4	RT	182	GE-937012	912125	0.12	0.70
15 0184	UPPER LEVEL	M-4	RT	87	9058	912173	2.00	0.01
21 0188	356	JCI	RT	499	7027517	845456	272.00	0.79
21 0307	358	JCI	RT	499	G858998	845460	80.00	0.23
22 0057	693	JCI	RT	499	60879	845536	37.00	0.11
36 0138	784	JCI	RT	499	F583649-66P	845528	116.00	0.34
48 0001	RM-26	ENG-4	RT	499	FPE-F-2156-1	855548	171.00	1006.99
53 0002	WEST	MP-11	RT	499	SN-19507	844596	10.00	0.03
53 0003	OUTSIDE - NORTH	MP-11	RT	499	J329150	844599	590.00	1.71
53 0003	SEC-A	MP-11	RT	499	PN-226539	844617	570.00	1.65
53 0003	SEC-1	MP-11	RT	499	SN-6184	844618	467.00	1.35
53 0003	SEC-A	MP-11	RT	499	F965616	844619	710.00	2.05
53 0066	226	JCI	RT	499	G859312	845430	190.00	0.55
53 0223	234	JCI	RT	499	PAV747801	845432	190.00	0.55
64 0022	PAJARITO	JCI	RT	499	F83650-66P	845525	183.00	0.53

TOTAL 27 TOTAL PCB WEIGHT (kg)= 2114.58

RT = Radial Transformer

LOC = Disposal Location, see page 16 for abbreviations.

CONT. # = Container Number (for reference to Manifest Continuation Sheet)

3.9 In-Service Large Capacitors

By regulatory definition, large capacitors are those containing 1.36 kg (3 lb.) of dielectric fluid. However, LANL's Inventory of in-service capacitors includes all PCB capacitors. This policy is intended to assist with tracking all PCB items in case spills or releases occur.

In previous reports, the Inventory included PCB items at other facilities due to property loans for specific projects. With the exception of the Nevada Test Site, all those items have been disposed by LANL and were documented in previous Annual Documents. The following tables list all PCB capacitors in-service at LANL and the Nevada Test Site.

TABLE 3.9.1 IN-SERVICE CAPACITORS AT LANL
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
03 0105		CTR-DO >	500		861580	5.10	29.40	/ /
03 0105		CTR-DO >	500		861581	5.10	29.40	/ /
03 0105		CTR-DO >	500		861609	5.10	29.40	/ /
03 0105		CTR-DO >	500	257672	912126	1.80	10.40	/ /
03 0105		CTR-DO >	500	268716	912127	1.80	10.40	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	X50180	919076	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	GJ3500	919077	0.12	0.70	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919078	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919079	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919080	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919081	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919082	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919083	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919084	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919085	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919086	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919087	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919088	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919089	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919090	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919091	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919092	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919093	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919094	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919095	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919096	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919097	1.46	8.33	/ /
03 0029	CMR BLDG WING 3	MEE-9 >	500	367C750A72B	919098	1.46	8.33	/ /
03 0029	SUSPECT/RMMA *1	MEE-9 >	500		919126	0.15	0.33	/ /
03 0169		MST-6 >	500	A919	919127	2.34	13.30	/ /
03 0169		MST-6 >	500	A908	919128	2.34	13.30	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-71L0865	929231	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-70K0064	929232	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-70F4046	929233	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-70F4047	929234	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929235	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929236	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929237	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929238	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929239	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929240	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929241	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929242	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929243	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929244	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929245	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929246	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929247	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929248	0.85	4.80	/ /

TABLE 3.9.1 IN-SERVICE CAPACITORS AT LANL
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929249	0.85	4.80	/ /
03 0035	SUSPECT/RMMA *1	MST-DO >	500	WES-	929250	0.85	4.80	/ /
03 0035	112	MST-DO >	500	WES-65M4309	929251	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-72B0050	929252	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-72B2200	929253	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-72B2299	929254	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-72B2203	929255	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-72B2201	929256	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-72B0045	929257	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-	929258	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-	929259	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-	929260	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-	929261	0.84	4.80	/ /
03 0035	112	MST-DO >	500	WES-	929262	0.84	4.80	/ /
03 0035	101	MST-DO >	500	GE-K77684	929263	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K72278	929264	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K75256	929265	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K77271	929266	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K74802	929267	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K76785	929268	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K91196	929269	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929270	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929271	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929272	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929273	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929274	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929275	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929276	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929277	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929278	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929279	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929280	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K7	929281	1.84	10.50	/ /
03 0035	101	MST-DO >	500	GE-K93939	929282	1.63	9.30	/ /
03 0035	101	MST-DO >	500	GE-L5996	929283	1.63	9.30	/ /
03 0141	SUSPECT/RMMA *1	MST-6 >	500		929284	1.70	9.70	/ /
03 0141	SUSPECT/RMMA *1	MST-6 >	500		929285	1.70	9.70	/ /
03 0141	SUSPECT/RMMA *1	MST-6 >	500		929286	1.70	9.70	/ /
03 0141	SUSPECT/RMMA *1	MST-6 >	500		929287	1.70	9.70	/ /
03 0141	SUSPECT/RMMA *1	MST-6 >	500		929288	1.70	9.70	/ /
03 0141	SUSPECT/RMMA *1	MST-6 >	500		929289	1.70	9.70	/ /
03 0066	SUSPECT/RMMA *1	MST-6 >	500	GE-	929290	1.84	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6 >	500	GE-	929291	1.84	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6 >	500	GE-	929292	1.84	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6 >	500	GE-	929293	1.84	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6 >	500	GE-	929294	1.84	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6 >	500	GE-	929295	1.84	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6 >	500	GE-	929296	1.84	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6 >	500	GE-	929297	1.84	10.50	/ /

TABLE 3.9.1 IN-SERVICE CAPACITORS AT LANL
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929298	1.84	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929299	1.84	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929308	1.80	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929309	1.80	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929310	1.80	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929311	1.80	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929312	1.80	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929313	1.80	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929314	1.80	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929315	1.80	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929316	1.80	10.50	/ /
03 0066	SUSPECT/RMMA *1	MST-6	> 500	GE-	929317	1.80	10.50	/ /
03 0317	SIGMA COMPLEX	MST-6	> 500		929321	1.25	7.11	/ /
03 0317	SIGMA COMPLEX	MST-6	> 500		929322	1.25	7.11	/ /
03 0317	SIGMA COMPLEX	MST-6	> 500		929323	1.25	7.11	/ /
03 0317	SIGMA COMPLEX	MST-6	> 500		929324	0.62	3.55	/ /
03 0066		MST-6	> 500	WES	939464	1.70	9.70	/ /
03 0066		MST-6	> 500	WES	939465	1.70	9.70	/ /
03 0066		MST-6	> 500	WES	939466	1.70	9.70	/ /
03 0066		MST-6	> 500	WES	939467	1.70	9.70	/ /
03 0029	WING 7	CST-1	> 500	19F316	939474	2.60	18.22	/ /
03 0029	WING 7	CST-1	> 500	19F316	939475	2.60	18.22	/ /
03 0029	WING 7	CST-1	> 500	19F316	939476	2.60	18.22	/ /
03 0029	WING 7	CST-1	> 500	19F316	939477	2.60	18.22	/ /
03 0029	WING 7	CST-1	> 500	19F316	939478	2.60	18.22	/ /
03 0029	WING 7	CST-1	> 500	19F316	939479	2.60	18.22	/ /
03 0029	WING 7	CST-1	> 500	19F316	939480	2.60	18.22	/ /
03 0029	WING 7	CST-1	> 500	19F316	939551	2.60	18.22	/ /
03 0029	WING 7	CST-1	> 500	19F316	939552	2.16	18.22	/ /
03 0026	ATTIC	CST-1	> 500	0055	939553	2.50	42.00	/ /
03 0026	ATTIC	CST-1	> 500	0055	939554	2.50	42.00	/ /
08 0023		WX-3	> 500	PFM-59	902022	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902023	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902024	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902025	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902026	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902027	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902028	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902029	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902030	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902031	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902032	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902033	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902034	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902035	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902036	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902037	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902038	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902039	3.00	17.50	/ /

TABLE 3.9.1 IN-SERVICE CAPACITORS AT LANL
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
08 0023		WX-3	> 500	PFM-59	902040	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902041	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902042	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902043	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902044	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902045	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902046	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902047	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902048	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902049	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902050	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902051	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902052	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902053	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902054	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902055	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902056	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902057	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902058	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902059	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902060	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902061	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902062	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902063	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902064	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902065	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902066	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902067	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902068	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902069	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902070	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902071	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902072	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902073	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902074	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902075	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902076	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-59	902077	3.00	17.50	/ /
08 0023		WX-3	> 500	PFM-61	902078	0.50	5.20	/ /
08 0023		WX-3	> 500	PFM-61	902079	0.50	5.20	/ /
08 0023		WX-3	> 500	PFM-60	902082	1.50	9.70	/ /
08 0023		WX-3	> 500	PFM-60	902083	1.50	9.70	/ /
08 0023		WX-3	> 500		902084	1.50	11.00	/ /
08 0023		WX-3	> 500	PFM-60	902085	1.50	9.70	/ /
08 0023		WX-3	> 500	PFM-60	902086	1.50	9.70	/ /
08 0023		WX-3	> 500	PFM-60	902087	1.50	9.70	/ /
08 0023		WX-3	> 500	PFM-63	902088	1.30	7.50	/ /
09 0021	ROOM 128	M-1	> 500		861641	0.76	4.40	/ /
09 0021	ROOM 128	M-1	> 500		861642	0.76	4.40	/ /

TABLE 3.9.1 IN-SERVICE CAPACITORS AT LANL
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
09 0021	ROOM 128	M-1	> 500		861643	0.76	4.40	/ /
15 0050		M-4	58	2853	912174	2.00	0.01	/ /
15 0050		M-4	> 500	6118	912175	2.00	0.01	/ /
21 0209	B-1	MST-3	> 500		912160	0.75	4.30	/ /
21 0209	B-1(BASEMENT)	MST-3	> 500		912161	0.75	4.30	/ /
21 0209	B-1(BASEMENT)	MST-3	> 500		912162	0.75	4.30	/ /
35 0007	INSIDE, FNT OF N. ROLLUP D	CLS-DO	> 500	125.7-1A	912180	5.55	32.00	/ /
35 0007		CLS	> 500	BC454437	919073	0.25	0.72	/ /
35 0086	168	P-4	> 500	MAX-6D60MA-AS	929390	0.39	2.27	/ /
35 0030	OUTSIDE	P-1	> 500	260179	932223	20.00	0.02	/ /
35 0007	OUTSIDE	CLS-DO			932224	3.00	113.40	94/04/12
35 0007	OUTSIDE	CLS-DO			932225	2.50	58.80	94/04/12
35 0294	ROOM 103	CST-6		136376	939398	2.00	11.52	94/04/12
35 0294	ROOM 103	CST-6		136376	939399	2.00	11.52	94/04/12
35 0294	ROOM 103	CST-6		L152133	939400	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		L122219	939401	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		L122227	939402	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K512135	939403	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K512125	939404	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		L122224	939405	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K512129	939406	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K510134	939407	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		L122225	939408	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		L122220	939409	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		L152134	939410	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		L122228	939540	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		L122226	939541	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K510132	939542	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K510126	939543	3.00	17.28	94/04 :2
35 0294	ROOM 103	CST-6		K512134	939544	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K512122	939545	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		PROP-14F1109G4	939546	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K510129	939547	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K512121	939548	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		PROP-14F1109G4	939549	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K512130	939550	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6	> 500	L122223	939555	3.00	17.28	/ /
35 0294	ROOM 103	CST-6		L122222	939556	3.00	17.28	94/04/12
35 0294	ROOM 103	CST-6		K510127	939557	3.00	17.28	94/04/12
35 0007	OUTSIDE	CST-5	> 500	124313	949558	3.50	96.25	94/04/12
35 0007	OUTSIDE	CST-5	> 500	124315	949559	3.50	96.25	94/04/12
35 0007	OUTSIDE	CST-5	> 500	PROP-005202	949560	3.50	96.25	94/04/12
35 0007	OUTSIDE	CST-5	> 500	124319	949561	3.50	96.25	94/04/12
35 0007	OUTSIDE	CST-5	> 500	124343	949562	3.50	96.25	94/04/12
35 0007	OUTSIDE	CST-5	> 500	124314	949563	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124304	949564	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124328	949565	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124259	949566	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	STYLE-5202	949567	3.50	96.25	94/04/12

TABLE 3.9.1 IN-SERVICE CAPACITORS AT LANL
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
35 0294	INSIDE + OUTSIDE	CST-5	> 500	STYLE-5202	949568	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	STYLE-5202	949569	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124167	949570	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124139	949571	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124220	949572	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124170	949573	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124199	949574	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124194	949575	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124310	949576	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124256	949577	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124234	949578	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	STYLE-5202	949579	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124218	949580	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124124	949581	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124352	949582	3.50	96.25	94/04/12
35 0294	INSIDE + OUTSIDE	CST-5	> 500	124243	949583	3.50	96.25	94/04/12
35 0294	OUTSIDE	CST-5	> 500	STYLE-5202	949584	3.50	96.25	94/04/12
39 0103	IN X-RAY UNIT	M-6	> 500	CJL248	922204	2.68	15.33	/ /
39 0103	IN X-RAY UNIT	M-6	> 500	CJL248	922205	2.68	15.33	/ /
39 0103	IN X-RAY UNIT	M-6	> 500	CJL248	922206	2.68	15.33	/ /
39 0002	30A	M-6	> 500	SPRAGUE	922207	0.37	2.11	/ /
39 0002	30A	M-6	> 500	SPRAGUE	922208	0.37	2.11	/ /
39 0002	30A	M-6	> 500	SPRAGUE	922209	0.37	2.11	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-6D60MN-A	929413	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929414	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929415	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929416	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929417	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929418	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929419	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929420	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929421	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929422	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929423	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929424	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929425	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929426	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929427	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929428	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929429	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929430	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929431	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929432	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929433	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929434	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929435	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929436	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929437	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929438	0.40	2.26	/ /

TABLE 3.9.1 IN-SERVICE CAPACITORS AT LANL
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929439	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929440	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929441	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929442	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929443	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929444	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929445	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929446	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929447	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929448	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929451	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929452	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929453	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929454	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929455	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929456	0.40	2.26	/ /
39 0063	EQUIP. SHELTER	M-6	> 500	MAX-D6D60MN-A	929457	0.40	2.26	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929342	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929343	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929344	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929345	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929346	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929347	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929348	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929349	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929350	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929351	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929352	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929353	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929354	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929355	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929356	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929357	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929358	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929359	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929360	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929361	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929362	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929363	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929364	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929355	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929366	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929367	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929368	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929369	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929370	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929371	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929372	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929373	0.22	1.23	/ /

TABLE 3.9.1 IN-SERVICE CAPACITORS AT LANL
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929374	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929375	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929376	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929377	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929378	0.22	1.23	/ /
46 0036	STORAGE BLDG.	CLS-DO	> 500	SPRAGUE	929379	0.22	1.23	/ /
46 0001	S.BAY	MEE-13	> 500	GE-19F242G3	929381	2.33	13.32	/ /
46 0001	S.BAY	MEE-13	> 500	GE-19F242G3	929382	2.33	13.32	/ /
46 0001	S.BAY	MEE-13	> 500	GE-19F242G3	929383	2.33	13.32	/ /
46 0001	S.BAY	MEE-13	> 500	GE-19F242G3	929384	2.33	13.32	/ /
46 0001		MEE-13	> 500	GE-23F1140	929385	0.26	1.48	/ /
46 0001	S.BAY	MEE-13	> 500	GE-19F242G3	929386	2.33	13.32	/ /
53 0017		AT-DO	500	23F1140	932211	0.26	1.49	/ /
55 PF-4	OUTSIDE	NMT-2		19F23G3	939481	2.90	21.00	94/04/13
55 PF-4	OUTSIDE	NMT-2		19F23G3	939482	2.90	21.00	94/04/13
55 PF-4	BASEMENT	NMT-9	> 500	MN367C750-A22	939483	2.50	8.33	/ /
55 PF-4	BASEMENT	NMT-9	> 500	MN367C750-A72	939484	2.50	8.33	/ /
55 PF-4	BASEMENT	NMT-9	> 500	MN367C750-A72	939485	2.50	8.33	/ /
55 PF-4	BASEMENT	NMT-9	> 500	MN367C750-A22	939486	2.50	8.33	/ /
55 PF-4	BASEMENT	NMT-9	> 500	MN367C750-A72	939487	2.50	8.33	/ /
55 PF-4	BASEMENT	NMT-9	> 500	MN367C750-A72	939488	2.50	8.33	/ /
55 PF-4	BASEMENT	NMT-9	> 500	MN367C750-A	939489	2.50	8.33	/ /
55 0004	BASEMENT	NMT-DO	> 500	367C750-A22	939490	2.50	8.33	/ /
55 0004	BASEMENT	NMT-DO	> 500	367C750-A72	939491	2.50	8.33	/ /
55 0004	BASEMENT	NMT-DO	> 500	367C750-A72	939492	2.50	8.33	/ /
55 0004	BASEMENT	NMT-3	> 500	367C750-A22	939493	2.50	8.33	/ /
55 0004	BASEMENT	NMT-3	> 500	367C750-A72	939494	2.50	8.33	/ /
55 0004	BASEMENT	NMT-3	> 500	367C750-A72	939495	2.50	8.33	/ /
55 0004	BASEMENT	NMT-3	> 500	367C750A22	939496	2.50	8.33	/ /
55 0004	BASEMENT	NMT-3	> 500	367C750-A72	939497	2.50	8.33	/ /
55 0004	BASEMENT	NMT-3	> 500	367C750-A72	939498	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A21	939499	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A21	939500	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A21	939501	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A22	939502	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939503	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939504	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A22	939505	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939506	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939507	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A22	939508	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939509	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939510	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A22	939511	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939512	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939513	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A22	939514	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939515	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939516	2.50	8.33	/ /

TABLE 3.9.1 IN-SERVICE CAPACITORS AT LANL
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
55 0004	BASEMENT	NMT-5	> 500	367C750-A22	939517	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939518	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939519	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A22	939520	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939521	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939522	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A22	939523	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939524	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939525	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A22	939526	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939527	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939528	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A82	939529	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A82	939530	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A82	939531	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A82	939532	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A82	939533	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A82	939534	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939535	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A22	939536	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939537	2.50	8.33	/ /
55 0004	BASEMENT	NMT-5	> 500	367C750-A72	939538	2.50	8.33	/ /
55 PF-4	BASEMENT	NMT-6	> 500	5N-387	939539	2.50	42.00	/ /
TOTAL 415					TOTAL PCB WEIGHT (kg)=		6432.81	

REM/STO DATE = Column was intentionally left blank since this is the removed from service date.

LOC = Disposal Location, see page 16 for abbreviations.

CONT. # = Container Number (for reference to Manifest Continuation Sheet)

TABLE 3.9.2 IN-SERVICE CAPACITORS AT OTHER FACILITIES
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
27 5100	NEVADA TEST SITE	WX-3	> 500	65433352	890001	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	61463504	890002	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463501	890003	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433366	890004	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463492	890005	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463487	890006	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433356	890007	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433357	890008	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463489	890009	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433372	890010	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463508	890011	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463490	890012	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433362	890013	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463509	890014	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463491	890015	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433365	890016	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433363	890017	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433370	890018	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433369	890019	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463488	890020	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433359	890021	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433367	890022	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463500	890023	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463493	890024	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433368	890025	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463486	890027	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463505	890028	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463506	890029	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463499	890030	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463498	890031	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433364	890032	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433351	890033	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463497	890034	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433374	890035	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463495	890036	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433373	890037	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	68070495	890038	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433371	890039	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433354	890040	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463507	890041	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433361	890042	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433353	890043	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433350	890044	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433355	890045	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463510	890046	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65433360	890047	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463496	890048	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65463502	890049	4.70	26.80	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65403018	890050	2.60	14.57	/ /

TABLE 3.9.2 IN-SERVICE CAPACITORS AT OTHER FACILITIES
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	CONC(ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)	REM/STO yy/mm/dd
27 5100	NEVADA TEST SITE	WX-3	> 500	65403017	890051	2.60	14.57	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65403014	890052	2.60	14.57	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65403015	890053	2.60	14.57	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65403019	890054	2.60	14.57	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	65403016	890055	2.60	14.57	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	66160731	900206	0.26	1.48	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	21535-27G	900207	0.10	0.59	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	21535-27G	900208	0.10	0.59	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	21535-27G	900209	0.10	0.59	/ /
27 5100	NEVADA TEST SITE	WX-3	> 500	21535-27G	900210	0.10	0.59	/ /
TOTAL 59					TOTAL PCB WEIGHT (kg)=		1377.67	

REM/STO DATE = Column was intentionally left blank since this is the removed from service date.

LOC = Disposal Location, see page 16 for abbreviations.

CONT. # = Container Number (for reference to Manifest Continuation Sheet)

TABLE 3.10 IN-SERVICE PCBS AND PCB ITEMS
AS OF 12/31/93

TA-BLDG	VICINITY	OWNER	TYPE	CONC (ppm)	ITEM ID#	PCB ID#	VOL(gal)	PCB WT(kg)
02 0001	MEC SHOP RM.	INC-15	MM	74	2J3P5H-17	932226	5.00	0.00
03 0039		MEC-DO	EM	> 500	ELOX MACHINE	919158	0.00	545.54
03 0105	OUTSIDE-WEST	CTR-DO	VR	> 500	GE-D-583429	919191	690.00	2.00
03 0105	OUTSIDE-WEST	CTR-DO	VR	493	UNI-D554248	919193	523.00	0.63
03 0039	SHOP 5	NWT	LA	1100	479299	932215	5.00	0.03
03 0039	SHOP 4	NWT	LA	79	479427	932216	1.00	0.00
03 0039	SHOP 5	NWT	HP	53	479271	932217	0.50	0.00
03 0039		NWT	HP	67	479196	932218	5.00	0.00
03 0029		NWT	PH	52	167524	932219	2.00	0.01
03 0029	BASEMENT/WING4	CLS-2	BP	1140	9B3	932220	0.50	0.00
03 0039	OUTSIDE	NWT	PH	73	136206	939469	1.00	0.00
03 0066	SIGMA COMPLEX	MST-4	LA	499	674619	939470	1.50	0.01
08 0023	BETATRON MAGNET RM-1A	WX-3	PS	499		902100	9.35	53.31
15 0000		M-4	VR	1227	GE-D583441	912124	530.00	3.70
33 0039	SHOP 42	NWT	DR	77	480837	932214	3.00	0.00
35 0125		P-4	VP	150	298184	933282	1.50	34.10
35 0125		P-4	VP	150	298184	942227	1.00	28.00
39 0039	SHOP 12	NWT	SH	89	19373	939473	3.00	0.00
51 0001		EES-15	VR	86	41C658829	929222	0.33	1.99
53 0000	SECTOR A	MP-DO	VR	499	D583760	922203	58.20	0.12
53 0017		AT-DO	SF	> 500	S-1361-1	932212	0.96	5.43
53 0017		AT-DO	SF	> 500	S-1361-1	932213	0.96	5.43
64 0001	RM F123	PTLA	LA		BC454437	919073	0.25	0.72

TOTAL 23 TOTAL PCB WEIGHT (kg)= 681.03

TYPE = EM - Elox Machine, DR - Drill, HP - Hydraulic Press, LA - Lathe, MM - Molding Machine, PH - Power Hacksaw, PS - Power Supply, SF - Screen Filter SH - Shear, VP - Vacuum Pump, VR - Voltage Regulator,

LOC = Disposal Location, see page 16 for abbreviations.

CONT. # = Container Number (for reference to Manifest Continuation Sheet)

4.0 ANNUAL RECORDS: OFF-SITE DISPOSAL

This Section fulfills the regulatory requirements specified in 40 CFR 761(a)(1)(i-ii) and 761(a)(2)(viii). To fulfill these requirements, copies of the shipping manifests, continuation sheets, records of facility receipt, certifications of disposal, and LANL verification of facility receipt are included in each tabbed subsection of this Section.

Originals of the returned manifests and other documentation are filed at TA-54, Area L offices.

EXAS WATER COMMISSION
O. Box 13087, Capitol Station
ustin, Texas 78711-3087

42

ase print or type (Form designed for use on elite (12-pitch) typewriter.)

Form approved OMB No 2050-0039 expires 09 30 94

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. NYDCC081098 6 (KH) | Manifest Document No. 93004

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
ATTN: LARRY HUPKE
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663; MS J593
LOS ALAMOS, NM 87545

4 Generator's Phone: 505 · 665-3082

A. State Manifest Document Number: 0256155

B. State Generator's ID: [redacted] 99936 (KH)

5. Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT
6. US EPA ID Number: D E D 9 8 0 9 1 8 8 5 8
C. State Transporter's ID: 40756
D. Transporter's Phone: (713) 479-4801

7 Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9 Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX) INC.
P.O. BOX 609-2027 BATTLE GROUND RD.
DEER PARK, TX 77536
10. US EPA ID Number: T X D 0 5 5 1 4 1 3 7 8
G. State Facility's ID: 50089
H. Facility's Phone: (713) 930-2300

11A HM	11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14 Unit Wt/Vol	I Waste No
	a. "RQ" Hazardous Substance, Liquid, N.O.S. ORM-E, NA9188 (Polychlorinated Biphenyls-Capacitors)	PA 056 ~~052~~	D M	PA 08832 ~~00826~~	KG	173880
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
11a) "HO-66787-39 (PCB Capacitors)
See Attached Manifest Continuation Sheet for Additional Information. Guidebook# 31 Attached

K. Handling Codes for Wastes Listed Above: M043 ✓

15. Special Handling Instructions and Additional Information
Site: Cornell University, High Voltage Lab, 909 Mithell, Ithala, NY 14850
Contact: Hans Fleischman
LANL 24-HOUR EMERGENCY# (505) 667-7080

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Larry Hupke	Larry Hupke	01	21	93

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name	Signature	Month	Day	Year
DON LAWSON	Don Lawson	01	21	93

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20 Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RES (TX) INC.

Printed/Typed Name	Signature	Month	Day	Year
K SCHAFER	K. Schafer	1	25	93

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ROLLINS ENVIRONMENTAL SERVICES

PCB CONTINUATION SHEET

ATE MANIFEST DOCUMENT NO: 00256155 PAGE 1 OF 3

NERAL INFORMATION

s format has been prepared and offered ONLY as a convenience for our customer. However, the ormation required is mandatory to be in compliance with EPA Regulations and RES (TX) Inc. icy. (Regulatory Reference: 40 CFR-Part 761)

PCB Continuation Sheet, if necessary, must accompany the Manifest. (Note: The required ormation should be indicated in Section 15 of the Manifest, if space permits).

ce Manifest Document Number is indicated on the Manifest in Item 4 (8 digits). Please erence this number at the top of each continuation sheet.

MN 1: Indicate RES (TX) Inc. Lab Reference Number (HO-XXXXX-XX) as indicated in Manifest Section 15.

MN 2: Indicate Unique Identifying No. (Maximum of 10 Alpha-Numeric digits) as assigned by generator to EACH PCB article or container and as indicated on each PCB article or container via RES provided label.

MN 3: Indicate type of PCB waste, i.e., transformer, capacitor, oil, debris, etc.

MN 4: Indicate the Date of Removal from service for disposal as indicated on each PCB article or container.

MN 5: Indicate the weight of each PCB article or container in KILOGRAMS only.

MN 6: Indicate the proper PCB Waste Code, i.e, PCB 1 defined as PCB Articles, transformers, capacitors, etc. and PCB 2 defined as PCB Containers.

USED PCB ID #

(1) RES (TX)- INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
66787-39	03161-03162	Capacitors	1-20-93	159	PCB-1
〃	03163-03164	〃	〃	〃	〃
〃	03165-03166	〃	〃	〃	〃
〃	03167-03168	〃	〃	〃	〃
〃	03-69-03170	〃	〃	〃	〃
〃	03171-03172	〃	〃	〃	〃
〃	03173-03174	〃	〃	〃	〃
〃	03175-03176	〃	〃	〃	〃
〃	03177-03178	〃	〃	〃	〃
〃	03179-03180	〃	〃	〃	〃
〃	03181-03182	〃	〃	〃	〃
66787-39	03183-03184	Capacitors	1-20-93	159	PCB-1

ATE MANIFEST DOCUMENT NO: 00256155 PAGE 2 OF 3

(1) RES (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
66787-39	03185-03186	Capacitors	1-20-93	159	PCB-1
〃	03187-03188	〃	〃	〃	〃
	03189-03190				
	03191-03192				
	03193-03194				
	03195-03196				
	03197-03198				
	03199-03200				
	03201-03202				
	03203-03204				
	03205-03206				
	03207-03208				
	03209-03210				
	03211-03212				
	03213-03214				
	03215-03216				
	03217-03218				
	03219-03220				
	03221-03222				
	03223-03224				
	03225-03226				
	03227-03228				
	03229-03230				
	03231-03232				
	03233-03234				
	03235-03236				
	03237-03238				
	03239-03240				
	03241-03242				
	03243-03244				
	03245-03246				
66787-39	03247-03248	Capacitors	1-20-93	159	PCB-1

*THIS FORM MAY BE REPRODUCED.

ATE MANIFEST DOCUMENT NO: 00256155 PAGE 3 OF 3

(1) RES (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
66787-39	03249-03250	Capacitors	1-20-93	159	PCB-1
66787-39	03251-03252	〃	〃	〃	〃
〃	03253-03254	〃	〃	〃	〃
〃	03255-03256	〃	〃	〃	〃
〃	03257-03258	〃	〃	〃	〃
〃	03259-03260	〃	〃	〃	〃
〃	03261-03262	〃	〃	〃	〃
66787-39	03263-03264	Capacitors	1-20-93	159	PCB-1
〃	03265-03266	〃	〃	〃	〃
〃	03267-03268	〃	〃	〃	〃
〃	03269-03270	〃	〃	〃	〃
66787-39	03271	〃	〃	〃	〃
	111 Caps Total				

*THIS FORM MAY BE REPRODUCED.

ROLLINS
ENVIRONMENTAL SERVICES (TX) INC.
P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

CONFIRMATION OF RECEIPT OF MANIFESTED WASTE

GENERATOR NAME/ADDRESS: Los Alamos National Laboratory
Los Alamos NM

STATE MANIFEST DOCUMENT NO.: 00256155

DATE OF RECEIPT AT FACILITY: 1-23-93

Enclosed is your original, completely signed Manifest which indicates acceptance of material (with discrepancies as indicated, if any) by Rollins Environmental Services (TX) Inc.

Kathleen Hanna
RES (TX), Inc.

1-25-93
Date

* *

LOS ALAMOS EMPLOYEE: Larry Hupke

DATE OF CONFIRMATION: Feb 3, 1993

MANIFEST NUMBER: 00256155

(DISPOSAL)/STORAGE FACILITY: Rollins

CONTACT NAME: Marlene Dunnigan

MEANS OF CONFIRMATION: Telephone, Fax, (Letter) Other _____

COMMENTS: 713-930-2320

FIGURE 4

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 2/11/93 CERTIFICATE OF DISPOSAL
RUN TIME : 11:56 AM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	066787	151987	TX00256155	01/23/93	02/04/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
MS J593
LOS ALAMOS NM 87545
Attn: LARRY HUPKE

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Mthd	Disposal Date
002647965	03161-03162	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647966	03257-03258	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647967	03165-03166	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647968	03163-03164	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647969	03253-03254	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647970	03239-03240	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647971	03249-03250	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647972	03251-03252	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647973	03247-03248	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	02/03/93
002647974	03263-03264	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647975	03245-03246	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647976	03261-03262	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647977	03269-03270	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/25/93
002647978	03241-03242	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/25/93
002647979	03255-03256	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/25/93
002647980	03259-03260	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/25/93
002647981	03179-03180	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 2/11/93 CERTIFICATE OF DISPOSAL
RUN TIME : 11:56 AM PAGE: 2

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	066787	151987	TX00256155	01/23/93	02/04/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
MS J593
LOS ALAMOS NM 87545
Attn: LARRY HUPKE

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002647982	03237-03238	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647983	03243-03244	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647984	03271	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647985	03175-03176	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/25/93
002647986	03173-03174	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/25/93
002647987	03233-03234	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647988	03235-03236	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/25/93
002647989	03231-03232	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647990	03229-03230	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647991	03185-03186	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647992	03183-03184	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647993	03223-03224	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647994	03221-03222	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647995	03217-03218	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647996	03267-03268	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647997	03265-03266	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002647998	03219-03220	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	066787	151987	TX00256155	01/23/93	02/04/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
MS J593
LOS ALAMOS NM 87545
Attn: LARRY HUPKE

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002647999	03211-03212	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648000	03209-03210	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648001	03215-03216	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648002	03213-03214	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648003	03205-03206	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648004	03207-03208	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648005	03201-03202	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648006	03203-03204	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648007	03197-03198	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648008	03199-03200	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648009	03193-03194	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648010	03189-03190	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648011	03195-03196	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648012	03191-03192	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648013	03181-03182	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/25/93
002648014	03187-03188	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/25/93
002648015	03177-03178	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/25/93

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 2/11/93 CERTIFICATE OF DISPOSAL
RUN TIME : 11:56 AM PAGE: 4

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	066787	151987	TX00256155	01/23/93	02/04/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
MS J593
LOS ALAMOS NM 87545
Attn: LARRY HUPKE

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002648016	03171-03172	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648017	03-69-03170	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648018	03167-03168	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648019	03227-03228	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
002648020	03225-03226	55SD	CAPACITOR	39	UE	L	02/04/93
	Contents Only			39		I	01/24/93
	Total Containers :	56					

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 2/11/93 CERTIFICATE OF DISPOSAL
RUN TIME : 11:56 AM PAGE: 5

This completes the Certificates of Destruction per Manifest Number TX00256155.

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.

Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
(Incinerated Waste) PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

Shipping Codes :
(Landfill) UE - U.S. ECOLOGY
P.O. BOX 576
BEATTY NV 89003
EPA ID: NVT330010000

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

XAS WATER COMMISSION
). Box 13087, Capitol Station
stin, Texas 78711-3087

se print or type. (Form designed for use on elite (12-pitch) typewriter)

Form approved OMB No 2050-0039 expires 09 30 91

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. N M 0 8 9 0 0 1 0 5 1 5	Manifest Document No. 9 3 0 6 4	2. Page 1 of 1	Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address	(SEE BOX 15)	A. State Manifest Document Number
ATTN: ~~XXXXXXXXX~~ LARRY ~~XXXXXXXXX~~ HUPKE 4. Generator's Phone (505) 667-7579	LOS ALAMOS NATIONAL LABORATORY P.O. BOX 1663; MS J593 LOS ALAMOS, NM 87545	00256156 B. State Generator's ID 99935

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
CUSTOM ENVIRONMENTAL TRANSPORT	D E D 9 8 0 9 1 8 8 5 5 8	40756
7. Transporter 2 Company Name	**8. US EPA ID Number**	**D. Transporter's Phone (713) 930-4500**
		E. State Transporter's ID
		F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility's ID
ROLLINS ENVIRONMENTAL SERVICES (TX) INC. 2027 BATTLEGROUND ROAD DEER PARK, TX 77536	T X D 0 5 5 1 4 1 3 7 8	HW-50089-001 H. Facility's Phone (713) 930-2300

11A HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14 Unit Wt/Vol	I. Waste No.
	a. Polychlorinated Biphenyls	0 0 1	D F	oct 14 0 0 0 ~~0 0 9~~	KG	177640
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above — See PCB Continuation Sheet

11a) PCB Labpack, HO60130-4F

11b)

11c)

11d)

K. Handling Codes for Wastes Listed Above

M043

15. Special Handling Instructions and Additional Information IF UNDELIVERABLE, RETURN TO GENERATOR. AVOID CONTACT, CALL CHEMTREC AT 1-800-424-9300. EMERGENCY RESPONSE INFORMATION IS ATTACHED. LANL 24-HOUR EMERGENCY# (505) 667-7080.

DOT EMERGENCY RESPONSE GUIDE REFERENCE NOS:
11A: 31 11B:
11C: 11D:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
John C. Kelly	John C. Kelly	01 12 93

17. Transporter 1 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year
LARRY RISEN	Larry Risen	01 12 93

18. Transporter 2 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space Per the attached written authorization, the above quantity has been changed to reflect the actual amount received by RES(TX) Inc. Kathleen Hanna 2/3/93

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
RES (TX) INC R. HARRISON	R. Harrison	01 27 93

White - original Pink - TSD Facility Yellow-Transporter Green-Generator's first copy

ROLLINS ENVIRONMENTAL SERVICES

PCB CONTINUATION SHEET

'E MANIFEST DOCUMENT NO: 00256156 PAGE 1 OF 1

RAL INFORMATION

format has been prepared and offered ONLY as a convenience for our customer. However, the nation required is mandatory to be in compliance with EPA Regulations and RES (TX) Inc. /. (Regulatory Reference: 40 CFR-Part 761)

CB Continuation Sheet, if necessary, must accompany the Manifest. (Note: The required nation should be indicated in Section 15 of the Manifest, if space permits).

Manifest Document Number is indicated on the Manifest in Item 4 (8 digits). Please nce this number at the top of each continuation sheet.

1: Indicate RES (TX) Inc. Lab Reference Number (HO-XXXXX-XX) as indicated in Manifest Section 15.

2: Indicate Unique Identifying No. (Maximum of 10 Alpha-Numeric digits) as assigned by generator to EACH PCB article or container and as indicated on each PCB article or container via RES provided label.

3: Indicate type of PCB waste, i.e., transformer, capacitor, oil, debris, etc.

4: Indicate the Date of Removal from service for disposal as indicated on each PCB article or container.

5: Indicate the weight of each PCB article or container in KILOGRAMS only.

6: Indicate the proper PCB Waste Code, i.e, PCB 1 defined as PCB Articles, transformers, capacitors, etc. and PCB 2 defined as PCB Containers.

(1)	(2)	(3)	(4)	(5)	(6)
S (TX) INC. HO-NUMBER	GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT KILOGRAMS	PCB WASTE CODE
-60130-41	LPB-3136-93	debris	1-7-93	9 Kg	PCB-2

-948

February 2, 1993

LARRY HUPKE
LOS ALAMOS NATIONAL LABS
LOS ALAMOS,
NEW MEXICO

RE: MANIFEST DISCREPANCY NOTIFICATION

Manifest Number: 00256156
Shipment Date: 01/21/93

Dear Larry Hupke,

Per 40 CFR 761.210, it is the responsibility of the disposal facility to attempt to reconcile any significant discrepancy between the manifest and actual waste received.
It is standard procedure that all incoming waste streams be weighed at Rollins Environmental Services (TX), Inc. in Deer Park, Texas. A significant discrepancy occurs when the actual weight differs by > 10% of the manifested weight.

On your recent shipment listed above, a weight discrepancy on line(s) 11a has been identified. The manifested weight of 9 kg needs to be adjusted to 14 kg.

Your signature below will acknowledge receipt of this notification and authorize Rollins Environmental Services (TX), Inc. to correct the weight on the manifest.

T. L. Hupke
Signature

Tech
Title

2-2-93
Date

Please return this form via FAX to 505-345-3905. If you have any further questions, please do not hesitate to call me at the office.

Sincerely,

P. O. Rollins

ROLLINS
ENVIRONMENTAL SERVICES (TX) INC.
P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

CONFIRMATION OF RECEIPT OF MANIFESTED WASTE

GENERATOR NAME/ADDRESS: Los Alamos National Laboratory
Los Alamos NM

STATE MANIFEST DOCUMENT NO.: 00256156

DATE OF RECEIPT AT FACILITY: 1-27-93

Enclosed is your original, completely signed Manifest which indicates acceptance of material (with discrepancies as indicated, if any) by Rollins Environmental Services (TX) Inc.

Kathleen Hanna
RES (TX), Inc.

2-2-93
Date

LOS ALAMOS EMPLOYEE: Larry Hupke

DATE OF CONFIRMATION: 1-8-93

MANIFEST NUMBER: 00256156

(DISPOSAL)/STORAGE FACILITY: Rollins

CONTACT NAME: Kathlen Hanna

MEANS OF CONFIRMATION: Telephone, Fax, (Letter), Other _____

COMMENTS: 713-930-2320

FIGURE 4

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 2/05/93 CERTIFICATE OF DISPOSAL
RUN TIME : 8:22 AM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	060130	152555	TX00256156	01/27/93	01/31/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
MS J593
LOS ALAMOS NM 87545
Attn: LARRY HUPKE

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002659641	LPB-3136-93	16PD41	LAB PACK	41		I	01/31/93

Total Containers : 1

cc: CHEMPAK LA

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 2/05/93 CERTIFICATE OF DISPOSAL
RUN TIME : 8:22 AM PAGE: 2

This completes the Certificates of Destruction per Manifest Number TX00256156.

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.
Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
(Incinerated Waste) PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

CHEMPAK

DRUM INVENTORY SHEET

ROLLINS CHEMPAK IN

60

USTOMER: LANL/EM-9/TA-59/J. Roberts | DATE 1-7-93 | PAGE 1 OF 1

E TA-59/Rm 113/bldg 1 | CHEMISTS PN/CM | CWDR# 1003946

ALL MATERIAL IS SPENT UNLESS THE NEW BOX IS CHECKED. G = GLASS M = METAL P = PLASTIC B = BAG

D.	NEW	RQ	MATERIAL DESCRIPTION	TYPE	CONTAINER SIZE	VOL	WASTE NUMBER	WPN#
1			lab trash from soil PCB					
2			testing → kimwipes, glassware					
3			plastics, soil					
4			→ PCB = 50-500 ppm	P	1x20	P	None	04934
5								
6								
7								
8								
9			out of service date: 1-7-93					
0								
1								
2								
4								
5								
6								
7								
8			Cont#C9303136					13 uRad/Hr
9								(PN) 1-7-93
0								
1								
2								
3								

Water React. Solid	nos	UN2813	☑ Other Polychlorinated Biphenyls				
Flammable Gas	nos	UN1954	☐ Non-Flammable Gas	nos	UN1956		
Combustible Liquid	nos	NA1993	☐ Oxidizer	nos	UN1479		
Flammable Liquid	nos	UN1993	☐ Flammable Solid	nos	UN1325		
Corrosive Liquid	nos	UN1760	☐ Corrosive Solid	nos	UN1759		
Poison B Liquid	nos	UN2810	☐ Poison B Solid	nos	UN2811		
Org. Peroxide Liq.	nos	NA9183	☐ Org. Peroxide Solid	nos	NA9187		
ORM - A	nos	NA1693	☐ ORM - C	nos			
RM - B	nos	NA1760	☐ ORM - E (solid)	nos	NA9189		
ORM - E (Liquid)	nos	NA9189	☐ Non-Hazardous/Non-Regulated				

DRUM TYPE

21C - 55 ☐ 21C - 20 ☐ 21C - 5 ☐ 55G ____ ☐ 85OP ☐ Other ____

21C - 30 ☐ 21C - 10 ☐ 37A ☐ 34 ____ ☑ E7768 -14 ____

LPB-3136-93

Drum No. ~~LAN-041~~ (EM)

WT. 20 (lb.) N,G

DISPOSAL (PCB)

☐ KISN ☐ DA ☐ S&E

☐ GULP ☐ LF ☐ Other

Stream No. HO-60130-41

EXAS WATER COMMISSION
O. Box 13087, Capitol Station
ustin, Texas 78711-3087

COPY

61

ease print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09-30-9

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
	N M 0 8 9 0 0 1 0 5 1 5 9 3 1 5 2		

3. Generator's Name and Mailing Address	A. State Manifest Document Number
LOS ALAMOS NATIONAL LAB P.O.BOX 1663, MS J587 LOS ALAMOS, NM 87545 4 Generator's Phone (505)667-7579 ATTN: RAYMOND P. THUMA	00260790
In Emergency see box # 15	B. State Generator's ID 99935
5. Transporter 1 Company Name / 6. US EPA ID Number: CUSTOM ENVIRONMENTAL TRANSPORT / D E D 9 8 0 9 1 8 8 5 8	C. State Transporter's ID 4 0 7 5 6
	D. Transporter's Phone (713)930-4500
7 Transporter 2 Company Name / 8. US EPA ID Number	E. State Transporter's ID
	F. Transporter's Phone
9. Designated Facility Name and Site Address / 10. US EPA ID Number: ROLLINS ENVIRONMENTAL SERVICES (TX), INC. 2027 BATTLEGROUND ROAD DEER PARK, TX 77536 / T X D 0 5 5 1 4 1 3 7 8	G. State Facility's ID HW-50089-001
	H. Facility's Phone (713)930-2300

11A HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	MH	Waste No.
	NON-REGULATED WASTE, LIQUID	0 0 3	D M	0 5 7 3	K		110550
	b.			KPT			
	c.						
	d.						

J. Additional Descriptions for Materials Listed Above
11a) HW50089-49, BULK, STORM WATER <50PPM PCB
11b)
11c)
11d) See PCB Continuation Sheet

K. Handling Codes for Wastes Listed Above
MO41

15. Special Handling Instructions and Additional Information Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# D.O.T. Emergency Response #'s 11a.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Raymond P Thuma	R P Thuma	04 23 93

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name: Johnny DeMoss	Signature	Month Day Year: 04 23 93

18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20 Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date: Month Day Year
ROLLINS ENVIRONMENTAL SERVICES (TX) INC Paul Mills		05 03 93

ROLLINS
ENVIRONMENTAL SERVICES

PCB CONTINUATION SHEET

:E MANIFEST DOCUMENT NO: ~~93162~~ 260790

PAGE 1 OF 1

:RAL INFORMATION

format has been prepared and offered ONLY as a convenience for our customer. However, the mation required is mandatory to be in compliance with EPA Regulations and RES (TX) Inc. y. (Regulatory Reference: 40 CFR-Part 761)

CB Continuation Sheet, if necessary, must accompany the Manifest. (Note: The required mation should be indicated in Section 15 of the Manifest, if space permits).

Manifest Document Number is indicated on the Manifest in Item 4 (8 digits). Please ence this number at the top of each continuation sheet.

N 1: Indicate RES (TX) Inc. Lab Reference Number (HO-XXXXX-XX) as indicated in Manifest Section 15.

N 2: Indicate Unique Identifying No. (Maximum of 10 Alpha-Numeric digits) as assigned by generator to EACH PCB article or container and as indicated on each PCB article or container via RES provided label.

N 3: Indicate type of PCB waste, i.e., transformer, capacitor, oil, debris, etc.

N 4: Indicate the Date of Removal from service for disposal as indicated on each PCB article or container.

. 5: Indicate the weight of each PCB article or container in KILOGRAMS only.

N 6: Indicate the proper PCB Waste Code, i.e, PCB 1 defined as PCB Articles, transformers, capacitors, etc. and PCB 2 defined as PCB Containers.

(1) IES (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
HC 59035-49	LPB-3979-93	PCB Water	2-8-93	187	PCB-2
HC-59035-49	LPB-3980-93	PCB Water	2-8-93	193	PCB-2
HC-59035-49	LPB-3981-93	PCB Water	2-8-93	193	PCB-2

S 50-948

ROLLINS
ENVIRONMENTAL SERVICES (TX) INC.
P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

CONFIRMATION OF RECEIPT OF MANIFESTED WASTE

GENERATOR NAME/ADDRESS: Los Alamos National Lab
Los Alamos, NM

STATE MANIFEST DOCUMENT NO.: 00260790

DATE OF RECEIPT AT FACILITY: 5/3/93

Enclosed is your original, completely signed Manifest which indicates acceptance of material (with discrepancies as indicated, if any) by Rollins Environmental Services (TX) Inc.

Melvin Leffler
RES (TX), Inc.

5/18/93
Date

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC 64
RUN DATE : 6/09/93 CERTIFICATE OF DISPOSAL
RUN TIME : 5:01 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposa.
	059085	156148	TX00260790	05/03/93	06/01/93

Cert id # - 19930423

LOS ALAMOS NATIONAL LAB
P O BOX 1663
MS J587
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002788884	LPB-3979-93	55SD	LIQUID	49		I	05/20/93
	Contents Only	55SD		49		I	06/01/93
002788885	LPB-3981-93	55SD	LIQUID	49		I	05/20/93
	Contents Only	55SD		49		I	06/01/93
002788886	LPB-3980-93	55SD	LIQUID	49		I	05/20/93
	Contents Only	55SD		49		I	06/01/93
	Total Containers :	3					

This completes the Certificates of Destruction per Manifest Number TX00260790.

Cert_id# - 19930423

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.

Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

; WATER COMMISSION
ox 13087, Capitol Station
. Texas 78711-3087

COPY

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nt or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved OMB No 2050-0039 expires 09-30-9

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
	N M 0 8 9 0 0 1 0 5 1 5 9 3 1 6 3		

Generator's Name and Mailing Address
LOS ALAMOS NATIONAL LAB
P.O.BOX 1663, MS J587
LOS ALAMOS, NM 87545
Generator's Phone (505)667-7579 ATTN: RAYMOND P. THUMA

In Emergency see box # 15

A. State Manifest Document Number: 00260791
B. State Generator's ID: 99935

Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT
6. US EPA ID Number: D E D 9 8 0 9 1 8 8 5 8
C. State Transporter's ID: 40756
D. Transporter's Phone: (713)930-4500

Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536
10. US EPA ID Number: T X D 0 5 5 1 4 1 3 7 8
G. State Facility's ID: HW-50089-001
H. Facility's Phone: (713)930-2300

A M	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14 Unit Wt/Vol	I. Waste No.
	RQ, HAZARDOUS SUBSTANCE, SOLID, N.O.S. (POLYCHLORINATED BIPHENYLS) ORM-E NA9188 ✓	002	DM	00290	K	118370
	RQ, HAZARDOUS SUBSTANCE, SOLID, N.O.S. (POLYCHLORINATED BIPHENYLS) ORM-E NA9188	009	DM	00160	K	173880
	RQ, HAZARDOUS SUBSTANCE, SOLID, N.O.S. (POLYCHLORINATED BIPHENYLS) ORM-E NA9188	002	DM	00192	K	173880
	RQ, HAZARDOUS SUBSTANCE, SOLID, N.O.S. (POLYCHLORINATED BIPHENYLS) ORM-E NA9188	002	DM	00318	K	177630

Additional Descriptions for Materials Listed Above: See PCB Continuation Sheet
11a) H059080-40, BULK, OIL W/) 500PPM PCB
11b) H059081-14, BULK, SMALL CAPS) 500PPM PCB
11c) H059082-39, BULK, LARGE CAPS.) 500PPM PCB
11d) H059083-48, BULK, DEBRIS W/) 500PPM PCB

K. Handling Codes for Wastes Listed Above: a) M041 b,c,d) M043

. Special Handling Instructions and Additional Information: Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If ungeliverable return to generator. B.O.L.# D.O.T. Emergency Response #'s 11a. 31 11b. 31 11c. 31 11d. 31

. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Raymond P Thuma	RP Thuma	04 12 93
. Transporter 1 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year
Jeanny DeMoss		04 23 93
. Transporter 2 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year

Discrepancy Indication Space

. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date: Month Day Year
ROLLINS (TX) INC, Paul Mun		05 03 93

Green-Generator's first copy

ROLLINS ENVIRONMENTAL SERVICES

PCB CONTINUATION SHEET

ΓE MANIFEST DOCUMENT NO: ~~93163~~ 00260791

PAGE 1 OF 2

ERAL INFORMATION

format has been prepared and offered ONLY as a convenience for our customer. However, the mation required is mandatory to be in compliance with EPA Regulations and RES (TX) Inc. y. (Regulatory Reference: 40 CFR-Part 761)

CB Continuation Sheet, if necessary, must accompany the Manifest. (Note: The required mation should be indicated in Section 15 of the Manifest, if space permits).

Manifest Document Number is indicated on the Manifest in Item 4 (8 digits). Please ence this number at the top of each continuation sheet.

N 1: Indicate RES (TX) Inc. Lab Reference Number (HO-XXXXX-XX) as indicated in Manifest Section 15.

N 2: Indicate Unique Identifying No. (Maximum of 10 Alpha-Numeric digits) as assigned by generator to EACH PCB article or container and as indicated on each PCB article or container via RES provided label.

N 3: Indicate type of PCB waste, i.e., transformer, capacitor, oil, debris, etc.

N 4: Indicate the Date of Removal from service for disposal as indicated on each PCB article or container.

N 5: Indicate the weight of each PCB article or container in KILOGRAMS only.

N 6: Indicate the proper PCB Waste Code, i.e, PCB 1 defined as PCB Articles, transformers, capacitors, etc. and PCB 2 defined as PCB Containers.

(1) RES TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
HC-59090-HC	LPB-4687-93 ✓	oil	4-13-93	145	PCB-2
HC-59080-HC	LPB-4688-93 ✓	oil	4-13-93	145	PCB-2
HC-59081-14	LPB-3656-93 ✓	capacitors	1-21-93	201	PCB-1
HC-59081-14	LPB-3657-93 ✓	capacitors	1-21-93	207 4466	PCB-1
HC-59081-14	LPB-3658-93 ✓	capacitors	1-21-93	195 429	PCB-1
HC-59081-14	LPB-3659-93 ✓	capacitors	1-21-93	130 286	PCB-1
HC-59081-14	LPB-4060-93	ballasts	4-16-93	251	PCB-1
HC-59081-14	LPB-4061-93	ballasts	2-9-93	368	PCB-1
HC-59081-14	LPB-4131-93	capacitors	3-5-93	45	PCB-1
HC-59081-14	LPB-4206-93	capacitor	3-22-93	108	PCB-1
HC-59081-14	LPB-4207-93	capacitors	3-32-93	107	PCB-1
HC-59082-39	LPB-3655-93	capacitor	1-21-93	97	PCB-1
HC-59082-39	LPB-3660-93	capacitor	1-21-93	95	PCB-1

E MANIFEST DOCUMENT NO: ~~93163~~ 00260791

PAGE 2 OF 2

(1) RES (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
HO-59083-48	LPB-4CSC-93	debris	3-4-93	244	PCB-2
HO 59093-48	LPB-4629-93	debris	4-13-93	74	PCB-2

*THIS FORM MAY BE REPRODUCED.

ROLLINS
ENVIRONMENTAL SERVICES (TX) INC.
P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

CONFIRMATION OF RECEIPT OF MANIFESTED WASTE

GENERATOR NAME/ADDRESS: Los Alamos National Lab
Los Alamos, NM

STATE MANIFEST DOCUMENT NO.: 0026079 1

DATE OF RECEIPT AT FACILITY: 5/3/93

Enclosed is your original, completely signed Manifest which indicates acceptance of material (with discrepancies as indicated, if any) by Rollins Environmental Services (TX) Inc.

Melissa Leffler
RES (TX), Inc.

5/18/93
Date

JUN 6 - RECEIVED

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 5/26/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:08 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059082	156148	TX00260791	05/03/93	05/20/93

LOS ALAMOS NATIONAL LAB
P O BOX 1663
MS J587
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002788873	LPB-3655-93	55SD	CAPACITOR	39		I	05/20/93
002788874	LPB-3660-93	55SD	CAPACITOR	39		I	05/20/93

Total Containers : 2

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 5/26/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:08 PM PAGE: 2

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.
Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 7/07/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:54 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059081	156148	TX00260791	05/03/93	07/02/93

Cert_id# - 1993042 3

LOS ALAMOS NATIONAL LAB
P O BOX 1663
MS J587
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002788863	LPB-3656-93	55SD	SMALL CAPS <9 LBS	14		I	06/08/93
002788864	LPB-4207-93	55SD	SMALL CAPS <9 LBS	14		I	06/06/9
	Contents Only			14		I	06/04/9
002788865	LPB-3659-93	55SD	SMALL CAPS <9 LBS	14		I	06/04/9
002788866	LPB-4131-93	55SD	SMALL CAPS <9 LBS	14		I	05/29/93
002788867	LPB-4060-93	55SD	SMALL CAPS <9 LBS	14		I	05/29/93
002788868	LPB-4206-93	55SD	SMALL CAPS <9 LBS	14		I	05/29/93
002788869	LPB-3657-93	55SD	SMALL CAPS <9 LBS	14		I	05/29/93
002788870	LPB-3658-93	55SD	SMALL CAPS <9 LBS	14		I	06/08/93
002788871	LPB-4061-93	55SD	SMALL CAPS <9 LBS	14		I	06/07/93
	Contents Only			14		I	07/02/93
	Total Containers : 9						

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 7/07/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:54 PM PAGE: 2

This completes the Certificates of Destruction per Manifest Number TX00260791.

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.
Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 6/09/93 CERTIFICATE OF DISPOSAL
RUN TIME : 5:01 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059080	156148	TX00260791	05/03/93	06/01/93

Job Id # - 179093.3

LOS ALAMOS NATIONAL LAB
P O BOX 1663
MS J587
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002788851	LPB-4688-93	55SD	LIQUID	40		I	05/20/93
	Contents Only	55SD		40		I	06/01/93
002788852	LPB-4687-93	55SD	LIQUID	40		I	05/20/93
	Contents Only	55SD		40		I	06/01/93
	Total Containers :	2					

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 6/09/93 CERTIFICATE OF DISPOSAL
RUN TIME : 5:01 PM PAGE: 2

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

Cert. # 1993-723

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 6/23/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:58 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059083	156148	TX00260791	05/03/93	06/18/93

LOS ALAMOS NATIONAL LAB
P O BOX 1663
MS J587
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Mthd	Disposal Date
002788881	LPB-4689-93	55SD	DEBRIS	48		I	06/18/93
	Contents Only			48		I	06/16/93
002788882	LPB-4050-93	55SD	DEBRIS	48		I	06/18/93
	Contents Only			48		I	06/16/93
	Total Containers : 2						

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 6/23/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:58 PM PAGE: 2

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.

Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

.XAS WATER COMMISSION
). Box 13087, Capitol Station
istin, Texas 78711-3087

78

COPY

ase print or type. (Form designed for use on elite (12-pitch) typewriter)

Form approved. OMB No. 2050 0039, expires 09-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890001051593164 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
LOS ALAMOS NATIONAL LAB
P.O.BOX 1663, MS J587
LOS ALAMOS, NM 87545
In Emergency see box # 15
4 Generator's Phone ((505)667-7579 ATTN: RAYMOND P. THUMA

A. State Manifest Document Number 00260792

B. State Generator's ID 99935

5. Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT — 6. US EPA ID Number: TED980918858

C. State Transporter's ID 40756

D. Transporter's Phone (713)930-4500

7 Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536
10. US EPA ID Number: TXD055141378

G. State Facility's ID HW-50089-001

H. Facility's Phone (713)930-2300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	Waste Flammable liquid, n.o.s. Flammable liquid UN1993	001	DF	act. 17 (mL) 14	K	918150
	NON-REGULATED WASTE, SOLID	001	DF	act 11 (mL) 9	K	177650
	POLYCHLORINATED BIPHENYLS	003	DF	act. 35 (mL) 25	K	177640
X	RQ, HAZARDOUS SUBSTANCE, SOLID, N.O.S. (POLYCHLORINATED BIPHENYLS) ORM-E NA9188	001	DM	act. 5 (mL) 2	K	117510

J. Additional Descriptions for Materials Listed Above (See PCB Continuation Sheet)
11a) H060129-41, LABPACK, F003, HEXANE WITH 50-500PPM PCB
11b) H060130-41, LABPACK, SEDIMENT & OIL W/ 50-500PPM PCB
11c) H060130-41, LABPACK, TRASH W/ 50-500PPM PCB
11d) H060130-41, LABPACK, OIL SAMPLES (500PPM PCB

K. Handling Codes for Wastes Listed Above
M043

15. Special Handling Instructions and Additional Information Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# D.O.T. Emergency Response #'s 11a. 27 11b. 11c. 11d. 31

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Raymond P Thuma — Signature: RP Thuma — Month Day Year: 04 23 93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Johnny DeMoss — Signature — Date: Month Day Year: 04 23 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space
PER MY PHONE CONVERSATION WITH Raymond Thuman THE ABOVE QUANTITY HAS BEEN CHANGED TO REFLECT THE ACTUAL AMOUNT RECEIVED BY RES (TX) INC. mel Roffen 5/13/93

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RES (TX) INC

Printed/Typed Name: Paul [illegible] — Signature — Date: Month Day Year: 05 03 93

ROLLINS ENVIRONMENTAL SERVICES

PCB CONTINUATION SHEET

ΓE MANIFEST DOCUMENT NO: 93164 00260792 PAGE 1 OF 1

ERAL INFORMATION

format has been prepared and offered ONLY as a convenience for our customer. However, the mation required is mandatory to be in compliance with EPA Regulations and RES (TX) Inc. y. (Regulatory Reference: 40 CFR-Part 761)

CB Continuation Sheet, if necessary, must accompany the Manifest. (Note: The required mation should be indicated in Section 15 of the Manifest, if space permits).

Manifest Document Number is indicated on the Manifest in Item 4 (8 digits). Please ence this number at the top of each continuation sheet.

N 1: Indicate RES (TX) Inc. Lab Reference Number (HO-XXXXX-XX) as indicated in Manifest Section 15.

N 2: Indicate Unique Identifying No. (Maximum of 10 Alpha-Numeric digits) as assigned by generator to EACH PCB article or container and as indicated on each PCB article or container via RES provided label.

N 3: Indicate type of PCB waste, i.e., transformer, capacitor, oil, debris, etc.

N 4: Indicate the Date of Removal from service for disposal as indicated on each PCB article or container.

N 5: Indicate the weight of each PCB article or container in KILOGRAMS only.

N 6: Indicate the proper PCB Waste Code, i.e, PCB 1 defined as PCB Articles, transformers, capacitors, etc. and PCB 2 defined as PCB Containers.

(1) RES (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
HO-60129-41	LPB-4370-93	Lab Packs of debris	3-31-93	14	PCB-2
HO-60130-41	LPB-4069-93	oil	3-31-93	2	PCB-2
HO-60130-41	LPB-2765-93	debris	12-17-92	9	PCB-2
HO-60130-41	LPB-2764-93	oil	12-17-92	6	PCB-2
HO-60130-41	LPB-3728-93	debris	2-4-93	5	PCB-2
HO-60130-41	LPB-4371-93	debris	3-31-93	14	PCB-2

RES-52-948

ROLLINS
ENVIRONMENTAL SERVICES (TX) INC.
P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

CONFIRMATION OF RECEIPT OF MANIFESTED WASTE

GENERATOR NAME/ADDRESS: Los Alamos National Lab
Los Alamos, NM

STATE MANIFEST DOCUMENT NO.: 00260792

DATE OF RECEIPT AT FACILITY: 5/3/93

Enclosed is your original, completely signed Manifest which indicates acceptance of material (with discrepancies as indicated, if any) by Rollins Environmental Services (TX) Inc.

Melvina Reffue
RES (TX), Inc.

5/18/93
Date

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 6/16/93 CERTIFICATE OF DISPOSAL
RUN TIME : 6:04 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	060130	156149	TX00260792	05/03/93	06/11/93

Cert_id# - 19930423

LOS ALAMOS NATL LAB
P O BOX 1663
MS J587
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mtnd	Disposal Date
002788970	LPB-4371-93	30PD41	LAB PACK	41		I	06/11/93
002788971	LPB-4069-93	05SD41	LAB PACK	41		I	06/11/93
002788972	LPB-2765-93	05GP41	LAB PACK	41		I	06/11/93
002788973	LPB-3728-93	05GP41	LAB PACK	41		I	06/11/93
002788974	LPB-2764-93	05GP41	LAB PACK	41		I	06/11/93

Total Containers : 5

This completes the Certificates of Destruction per Manifest Number TX00260792.

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.

Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK CA

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 6/16/93 CERTIFICATE OF DISPOSAL
RUN TIME : 6:04 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	060129	156149	TX00260792	05/03/93	06/11/93

Cert'd # - 1993-123

LOS ALAMOS NATL LAB
P O BOX 1663
MS J587
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mtnd	Disposal Date
002788962	LPB-4370-93	14PD41	LAB PACK	41		I	06/11/93

Total Containers : 1

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 6/16/93 CERTIFICATE OF DISPOSAL
RUN TIME : 6:04 PM PAGE: 2

This completes the Certificates of Destruction per Manifest Number TX00260792.

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.
Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK CA

...burden for this collection of information is estimated to average ... minutes for generators ... minutes for treatment, storage and disposal facilities. This includes time for reviewing instructions, gathering data and completing ... form. Send comments regarding this burden to Chief, Information Policy Branch, PM—223, U.S. Environmental Protection Agency, ... SW, Washington, DC 20460, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. N M D 8 9 0 0 1 0 5 1 5 9 3 2 6 5 — Manifest Document No.

2. Page 1 of 2 — Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
Los Alamos National Laboratory
ATTN: RAy Thuma
P.O. Box 1663, MS J587
Los Alamos, NM 87545

Generator's Phone (505) 667-7579

A. State Manifest Document Number: ENS001289

B. State Generator's ID

5 Transporter 1 Company Name: ENSR Operations

6. US EPA ID Number: O H D 9 8 1 1 1 0 0 9 6 9

C. State Transporter's ID

D. Transporter's Phone (801) 773-0062

7 Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ENSR Operations
4160 Perimeter Drive
Columbus, OH 43228

10 US EPA ID Number: O H D 9 8 1 9 6 0 1 2 3

G. State Facility's ID

H. Facility's Phone (614) 275-4101

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. "RQ" Polychlorinated Biphenyls 9, UN2315, II	002	DM	00656	Kg	PCB-2
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
A. System 50 fluid
B. System 50 fluid

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Emergency Response Guidebook A) 31
24-Hour Emergency Phone# 505-667-6211

Job # 350202

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Raymond P. Thuma	RPT	06	15	93

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Brian I. Eshelman	Brian I. Eshelman	06	15	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
A added; C1S completed 06-24-93

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rhonda L. Smith	Rhonda L. Smith	06	24	93

ENSR

MANIFEST CONTINUATION FORM

PAGE ~~1~~ 2 OF ~~1~~ 2

MANIFEST NO. ENS001289 (WS)

TOTAL ITEMS SHIPPED 2 (WS)

CONTACT NAME MARTIN ACULLERA

PHONE (505) 665-0106

PREPARED BY TED F McGREW

CUSTOMER LOS ALAMOS NATIONAL LABORATORIES

SITE ADDRESS PO BOX 1663 MS K490

LOS ALAMOS, N M 87545

Job# 350202

NO.	MFST LINE ITEM abcd	UNIQUE IDENTIFYING #	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	ENSR WASTE CODE	PCB/ PPM	CONTENTS	KGS Pounds x 0.454
1	a.	C93035501 050793-14-09-01	05-07-93		>500	SYSTEM 30 FLUID / PCB	328 KG
2	a.	C93035502 050793-14-09-02	05-07-93		>500	SYSTEM 30 FLUID / PCB	328 KG
3		[redacted]					
4							
5							
6							
7							
8							
9							
10							
11							
12							
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14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

ENSR

ENSR Operations
4160 Perimeter Drive
Columbus, OH 43228
614-275-4100
FAX 614-275-4548

June 24, 1993

MR. RAY THUMA
LOS ALAMOS NATIONAL LAB
P. O. BOX 1663
MAIL STOP J587
LOS ALAMOS, NM 87545

RE: HAZARDOUS WASTE MANIFEST #ENS001289

Dear MR. THUMA:

Attached is your copy of the hazardous waste manifest for waste recently removed from your facility.

If you have additional questions please call me at (614) 275-4101.

Sincerely,

Rhonda L. Smith

Rhonda L. Smith
Distribution Secretary

Attachment

cc: Job File #350202

ENSR

ENSR Operations

Leaders in PCB Field Services

CERTIFICATE OF DISPOSAL

CERTIFICATE NUMBER: 158297-57709-40
ISSUED: 03/02/94

ENSR Operations received PCB waste from:

LOS ALAMOS NATIONAL LABORATORIES
PO Box 1663
Los Alamos, NM 87545
Manifest No. ENS001289

The attached ENSR Operations Waste Tracking Report details which Unique Drum/Article Number has been incinerated as of 08/08/93 in accordance with 40 CFR 761 by Rollins Environmental Services, Deer Park, TX 77536, (EPA ID No. TXD055141378).

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsiblity for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

ENSR OPERATIONS

EC Borchert

By: Eddy C. Borchert
Director of Services

cc: ENSR Operations Job File #350202

ENSR OPERATIONS (PCBP27)

PCB TRACKING REPORT 03/03/94

Job Number: 350202 Customer Name: LOS ALAMOS NATIONAL LABORATORIES

ue /Article er	Mat Code	Qty in LBS	Qty in Kilo	Removal from SVC for Disp	Transportation Document 1	Date last Warehouse Received	Last Warehouse Location	Henderson Lot Number	Transportation Document to Disposal	Location Disposal	Date of Destruct	Certificate Number
Transformer Number: 350202												
e Number: DI												
931409-01	14	723	328	05/07/93	ENS001289	06/24/93	ENSR - COLUMBUS		00501600	ROLLINS ENVIRON.	08/08/93	158297-57709-40
931409-02	14	723	328	05/07/93	ENS001289	06/24/93	ENSR - COLUMBUS		00501600	ROLLINS ENVIRON.	08/08/93	158297-57709-40

Form Approved. OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.
NM0890015151	93330		

3. Generator's Name and Mailing Address
Los Alamos National Laboratory
P.O. Box 1663, Los Alamos NM *87545
Generator's Phone (505) 667-7579 Attn: Ray Thuma MS J586

A. State Manifest Document Number: UN10018609
B. State Generator's ID:

5. Transporter 1 Company Name: Unison Private Truck Fleet
6. US EPA ID Number: OHD981093420
C. State Transporter's ID:
D. Transporter's Phone: (216) 998-2399

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Unison Transformer Services
302 W. 38th St.
Ashtabula, OH 44004
10. US EPA ID Number: OHD980934200
G. State Facility's ID:
H. Facility's Phone: (216) 992-8655

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
"RQ" Polychlorinated Biphenyls, Mixture 9, UN2315, II ✓	X	003	CM	MAB 04008 ~~00895~~	K	PCB-1

Additional Description for Materials Listed Above
Empty PCB Transformer >500 ppm

K. Handling Codes for Wastes Listed Above
K = Kilograms

15. Special Handling Instructions and Additional Information. All weights are estimated. All Invoices and Manifest Discrepancies should be referred to UNISON, P.O. Box 1076, Henderson, Kentucky 42420, Attn.: Distribution Manager, Telephone: (502) 827-0541. All Manifests and Certificates of Destruction should be sent to UNISON Transformer Services, Inc., P.O. Box 240368, Charlotte, North Carolina 28224. Emergency Response: 1-800-822-4357. Empty drums to be returned to UNISON-DO NOT LANDFILL DRUMS. See Continuation Sheet for details.
Emergency Response Guide Number 31. LANL Emergency Phone (505) 667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Raymond P Thuma		10	21	93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Bubby Melton		10	21	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space Actual weight in Line Item A13 is 04008 kg (MAB)

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Mike Balcomb		10	29	93

ting burden for this collection of information is estimated to average: 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment, storage and disposal facilities. This includes time for ... gathering data, and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden to Chief Information Policy Branch PM-223

WASTE MANIFEST
(CONTINUATION SHEET)

ADDITIONAL INFORMATION

91

r's US EPA ID No. NM 0890010515	Manifest Doc. No.	Pg 2 of 2
's Name Los Alamos National Labs	Job # 2753	Cycle # T/E
Address P. O. box 1663	Job Location	
te, Zip Los Alamos, N.M. 1663	Transformer Serial #	
# UNI 0018 ~~5444~~ 609	Trailer # 449794	Manufacturer / Nameplate Gallons

L	PCB WASTE CODE	ARTICLE/DRUM ID	ACTIVITY CODE	DATE OF REMOVAL FOR DISPOSAL	GALLONS	NET WEIGHT IN POUNDS	NET WEIGHT IN KG	WASTE TYPE
O	PCB1	C-863956 ✓	T/E	7-19-93	290	6050 ~~5,800~~	2744 ~~2,637~~	SOL,
O	PCB1	C-863964 ✓	T/E	7-19-93	100	2030 ~~2,000~~	921 ~~907~~	SOL
O	PCB1	9477681	T/E	4-13-93	65	755 ~~787~~	342 ~~357~~	SOL

UNI 35047-2
(Rev 4/90)

* *

LOS ALAMOS EMPLOYEE: LARRY Hupke

DATE OF CONFIRMATION: 8-24-93

MANIFEST NUMBER: 0018609

(DISPOSAL)/STORAGE FACILITY:

CONTACT NAME: Kristy Benson

MEANS OF CONFIRMATION: (Telephone), Fax, Letter, Other _____

COMMENTS: 216-992-8655

FIGURE 4

PCB WASTE DESCRIPTION

TYPE	DESCRIPTION AND/OR NAME	OWNER	PCB ID#	SERIAL	PCB CONT. PPM	GALLONS	WEIGHT EMPTY	DIMENSIONS (H X W X L)	IS IT DRAIN/CODES	STORAGE DATE
Pole Mount	General Electric	JCI	5508	9477681	>500ppm	65	351 kg	46"x36" Dia	Drained	4-13-93
Pad Transformer	" "		5021	C863956	Pyranol	290	6800 lb	7'4"x5'x5'6"	✓	7-19-93
"	" "		5616	C863964	Pyranol	100	2000 lb	7'6"x2'4"x3'6"	✓	7-19-93

UNISON

August 23, 1993

Mr. Larry Hupke
LOS ALAMOS NATIONAL LABS
P O Box 1663
MS-E-518
Los Alamos, NM 87545

Dear Mr. Hupke:

Attached is your copy of the Certificates of Destruction for your transformer(s) removed from your facility. The material was destroyed in accordance with 40 CFR 761.

If you have any questions, please contact me at (704)529-4471.

Sincerely,

Tabitha A. Richardson
Information Systems Supervisor

Attachment

cc: Job File #2753

JOB NUMBER 2753
CERT NUMBER U0016498
UNISON ID# 09286

THIS CERTIFICATE IS
VERIFICATION OF DESTRUCTION
OF YOUR TRANSFORMER BY

UNISON TRANSFORMER SERVICES, INC.

1302 W. 38th STREET, ASHTABULA, OHIO 44004
EPA No. OHD981093420
DESTRUCTION DATE: 08/03/93

GENERATOR: LOS ALAMOS NATIONAL LABS
CITY: Los Alamos
STATE: NM ZIP: 87545
DATE INTO STORAGE: 04/13/93

TRANS. MFG.: GE
SERIAL#: 9477681
MANIFEST: UNI0018609

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsiblity for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

SIGNATURE: Tabitha A. Richardson
BY : Tabitha A. Richardson
TITLE: Information Systems Supervisor

UNISON

August 12, 1993

. Larry Hupke
S ALAMOS NATIONAL LABS
) Box 1663
-E-518
s Alamos, NM 87545

ar Mr. Hupke:

tached is your copy of the Certificates of Destruction for your
ansformer(s) removed from your facility. The material was
stroyed in accordance with 40 CFR 761.

you have any questions, please contact me at (704)529-4471.

Sincerely,

Tabitha A. Richardson

Tabitha A. Richardson
Information Systems Supervisor

tachment

: Job File #2753

JOB NUMBER 2753
CERT NUMBER U0016499
UNISON ID# 09288

THIS CERTIFICATE IS
VERIFICATION OF DESTRUCTION
OF YOUR TRANSFORMER BY

UNISON TRANSFORMER SERVICES, INC.

1302 W. 38th STREET, ASHTABULA, OHIO 44004
EPA No. OHD981093420
DESTRUCTION DATE: 08/05/93

GENERATOR: LOS ALAMOS NATIONAL LABS
CITY: Los Alamos
STATE: NM ZIP: 87545
DATE INTO STORAGE: 07/19/93

TRANS. MFG.: N/A
SERIAL#: C863964
MANIFEST: UNI0018609

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsiblity for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

SIGNATURE: Tabitha A. Richardson
BY : Tabitha A. Richardson
TITLE: Information Systems Supervisor

JOB NUMBER 2753
CERT NUMBER U0016510
UNISON ID# 09287

THIS CERTIFICATE IS
VERIFICATION OF DESTRUCTION
OF YOUR TRANSFORMER BY

UNISON TRANSFORMER SERVICES, INC.

1302 W. 38th STREET, ASHTABULA, OHIO 44004
EPA No. OHD981093420
DESTRUCTION DATE: 08/10/93

GENERATOR: LOS ALAMOS NATIONAL LABS
CITY: Los Alamos
STATE: NM ZIP: 87545
DATE INTO STORAGE: 07/19/93

TRANS. MFG.: GE
SERIAL#: C863956
MANIFEST: UNI0018609

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsiblity for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

SIGNATURE: Tabitha A. Richardson
BY : Tabitha A. Richardson
TITLE: Information Systems Supervisor

UNISON

November 29, 1993

Mr. Larry Hupke
LOS ALAMOS NATIONAL LABS
P O Box 1663
MS-E-518
Los Alamos, NM 87545

Dear Mr. Hupke:

Attached is your copy of the final Certificates of Destruction for your manifest. All materials have been destroyed in accordance with 40 CFR 761. Please refer to the Certificate for detailed information on disposal date, disposal facility used, and method of disposal.

If you have any questions, please contact me at (704)529-4471.

Sincerely,

Tabitha A. Richardson

Tabitha A. Richardson
Information Systems Supervisor

Attachment

cc: Job File #2753

UNISON TRANSFORMER SERVICES, INC.

FINAL
CERTIFICATE OF DISPOSAL

LOS ALAMOS NATIONAL LABS
P O Box 1663
Los Alamos , NM 87545

JOB #: 2753
MANIFEST: UNI0018609
DATE RECEIVED: 07/29/93
FINAL DISPOSAL DATE: 11/10/93

FINAL CERT #: U0017169

UNISON TRANSFORMER SERVICES, INC. CERTIFIES THAT THE ITEMS BELOW HAVE BEEN DISPOSED OF IN ACCORDANCE WITH 40 CFR 761.

QUE ID #	MAT TYPE	DISPOSAL METHOD	DISPOSAL DATE	DISPOSERS CERTIFICATE #	DISPOSAL FACILITY	FACILITY EPA ID#
7681	CARP	C/SM/I	08/03/93	U0016498	UNISON -	OHD981093420
3956	CARP	C/SM/I	08/10/93	U0016510	UNISON -	OHD981093420
3964	CARP	C/SM/I	08/05/93	U0016499	UNISON -	OHD981093420

esignated Facility: UNISON Transformer Services, Inc.
1302 West 38th Street
Ashtabula, Ohio 44004
EPA ID#: OHD981093420

isposal Methods: I - Incineration
C/SM/I - Combination Cleaning, Smelting/Incineration
S/I - Combination Separation, Incineration
D/I - Detoxification/Incineration

ider civil and criminal penalties of law for the making or submission of alse or fraudulent statements or representations (18 U.S.C. 1001 and 15 .S.C. 2615), I certify that the information contained in or accompanying his document is true, accurate, and complete. As to the identified ection(s) of this document for which I cannot personally verify truth id accuracy, I certify as the company official having supervisory esponsiblity for the persons who, acting under my direct instructions, made ie verification that this information is true, accurate, and complete.

lease call (704)529-4471 with any questions regarding this Certificate f Disposal.

GNATURE: Tabitha A. Richardson
:
Tabitha A. Richardson
ITLE: Information Systems Supervisor

:XAS WATER COMMISSION
). Box 13087, Capitol Station
istin, Texas 78711-3087

ase print or type (Form designed for use on elite (12-pitch) typewriter)

102

Form approved. OMB No 2050-0039 expires 09-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.
N M 0 0 0 3 3 1 0 5 1 5 | 7 7 7 6

2. Page 1 (10) of 23 | Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
LOS ALAMOS NATIONAL LAB
P.O. BOX 1663 MS J587
LOS ALAMOS, NM 87545
In Emergency see box # 15
4 Generator's Phone ((505) 667-7579 ATTN: RAYMOND P. THUMA

A. State Manifest Document Number: 00200220
B. State Generator's ID: 99935

5. Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT
6. US EPA ID Number: D E D 9 8 0 9 1 8 8 5 8
C. State Transporter's ID: 40756
D. Transporter's Phone: (713) 930-4500

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536
10. US EPA ID Number: T X D 0 5 5 1 4 1 3 7 8
G. State Facility's ID: HW-50089-001
H. Facility's Phone: (713) 930-2300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ (PCB) ✓	0 0 8	D M	0 2 5 4 4	K P	116080
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ (PCB) ✓	0 0 4	D M	0 1 3 0 0	K P	173880
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ (PCB) ✓	0 0 1	D M	0 0 1 0 0	K P	173880
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II ✓	0 0 2	D M	0 0 2 0 6	K P	177640

J. Additional Descriptions for Materials Listed Above
11a) HO59080-40, OIL >500PPM PCB
11b) HO59081-14, PCB BALLAST >500PPM PCB
11c) HO59082-39, PCB CAPACITORS >500 PPM PCB
11d) HO59083-48, DEBRIS WITH 50-500 PPM PCB

K. Handling Codes for Wastes Listed Above
A-M041 ✓
B,C,D-M043 ✓

15. Special Handling Instructions and Additional Information
Use protective gear when handling waste. Avoid contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# P.O.# Emergency Response #'s 11a. 31 11b. 31 11c. 31 11d. 31
LANL EMERGENCY #(505) 667-7000-6211 RR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Raymond P Thuma	Raymond P Thuma	07	28	93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year
FRED O'CONNOR	Fred O'Connor	07	28	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date: Month	Day	Year
RES (TX) INC. Paul Mill		08	04	93

White - original Pink - TSD Facility Yellow - Transporter Green - Generator's Records

ROLLINS
ENVIRONMENTAL SERVICES

PCB CONTINUATION SHEET

2 2 3 4 21

MANIFEST DOCUMENT NO: 00200220

PAGE 1 OF 1

ERAL INFORMATION

format has been prepared and offered ONLY as a convenience for our customer. However, the mation required is mandatory to be in compliance with EPA Regulations and RES (TX) Inc. y. (Regulatory Reference: 40 CFR-Part 761)

CB Continuation Sheet, if necessary, must accompany the Manifest. (Note: The required mation should be indicated in Section 15 of the Manifest, if space permits).

Manifest Document Number is indicated on the Manifest in Item 4 (8 digits). Please ence this number at the top of each continuation sheet.

N 1: Indicate RES (TX) Inc. Lab Reference Number (HO-XXXXX-XX) as indicated in Manifest Section 15.

N 2: Indicate Unique Identifying No. (Maximum of 10 Alpha-Numeric digits) as assigned by generator to EACH PCB article or container and as indicated on each PCB article or container via RES provided label.

N 3: Indicate type of PCB waste, i.e., transformer, capacitor, oil, debris, etc.

N 4: Indicate the Date of Removal from service for disposal as indicated on each PCB article or container.

N 5: Indicate the weight of each PCB article or container in KILOGRAMS only.

N 6: Indicate the proper PCB Waste Code, i.e, PCB 1 defined as PCB Articles, transformers, capacitors, etc. and PCB 2 defined as PCB Containers.

(1) RES (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
HO-59080-40	LPB-6634-93 ✓	oil	7-20-93	318 Kg	PCB-2
HO-59080-40	LPB-6635-93 ✓	oil	7-20-93	318 Kg	PCB-2
HO-59080-40	LPB-6636-93 ✓	oil	7-20-93	318 Kg	PCB-2
HO-59080-40	LPB-6637-93 ✓	oil	7-20-93	318 Kg	PCB-2
HO-59080-40	LPB-6638-93 ✓	oil	7-20-93	318 Kg	PCB-2
HO-59080-40	LPB-6639-93 ✓	oil	7-20-93	318 Kg	PCB-2
HO-59080-40	LPB-6640-93 ✓	oil	7-20-93	318 Kg	PCB-2
HO-59080-40	LPB-6641-93 ✓	oil	7-20-93	318 Kg	PCB-2
HO-59081-14	LPB-5688-93 ✓	small capacitor	6-16-93	359 Kg	PCB-1
HO-59081-14	LPB-5689-93 ✓	small capacitor	6-16-93	347 Kg	PCB-1
HO-59081-14	LPB-5954-93 ✓	small capacitor	6-17-93	230 Kg	PCB-1
HO-59081-14	LPB-5955-93 ✓	small capacitor	6-10-93	369 Kg	PCB-1

E MANIFEST DOCUMENT NO: 00200220

PAGE 3C.

(1) RES (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
HO-59082-39	LPB-4825-93 ✓	large capacitors	4-27-93	100 Kg	PCB-1
HO-59083-48	LPB-4839-93 ✓	debris	4-27-93	104 Kg	PCB-2
HO-59083-48	LPB-4840-93 ✓	debris	4-29-93	102 Kg	PCB-2

*THIS FORM MAY BE REPRODUCED.

ROLLINS
ENVIRONMENTAL SERVICES (TX) INC.
P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

CONFIRMATION OF RECEIPT OF MANIFESTED WASTE

GENERATOR NAME/ADDRESS: Los Alamos National Lab
Los Alamos NM

STATE MANIFEST DOCUMENT NO.: 00200220

DATE OF RECEIPT AT FACILITY: 8-4-93

Enclosed is your original, completely signed Manifest which indicates acceptance of material (with discrepancies as indicated, if any) by Rollins Environmental Services (TX) Inc.

Kathleen Hanna
RES (TX), Inc.

8-26-93
Date

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 10/06/93 CERTIFICATE OF DISPOSAL
RUN TIME : 3:42 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059080	158979	TX00200220	08/04/93	09/28/93

Cont.Id# - 19930728

LOS ALAMOS NATIONAL LAB
MS J587
P O BOX 1663
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002885397	LPB-6635-93	55SD	LIQUID	40		I	09/08/93 ✓
	Contents Only	55SD		40		I	09/02/93
002885398	LPB-6636-93	55SD	LIQUID	40		I	09/07/93 ✓
	Contents Only	55SD		40		I	09/02/93
002885399	LPB-6639-93	55SD	LIQUID	40		I	09/28/93 ✓
	Contents Only	55SD		40		I	09/05/93
002885400	LPB-6637-93	55SD	LIQUID	40		I	09/28/93 ✓
	Contents Only	55SD		40		I	09/05/93
002885401	LPB-6641-93	55SD	LIQUID	40		I	09/07/93 ✓
	Contents Only	55SD		40		I	09/02/93
002885402	LPB-6638-93	55SD	LIQUID	40		I	09/08/93 ✓
	Contents Only	55SD		40		I	09/02/93
002885403	LPB-6634-93	55SD	LIQUID	40		I	09/08/93 ✓
	Contents Only	55SD		40		I	09/02/93
002885404	LPB-6640	55SD	LIQUID	40		I	09/08/93 ✓
	Contents Only	55SD		40		I	09/02/93
	Total Containers :	8					

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 10/06/93 CERTIFICATE OF DISPOSAL
RUN TIME : 3:42 PM PAGE: 2

This completes the Certificates of Destruction per Manifest Number TX00200220.

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 9/15/93 CERTIFICATE OF DISPOSAL 108
RUN TIME : 5:19 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059081	158979	TX00200220	08/04/93	09/04/93

LOS ALAMOS NATIONAL LAB
P O BOX 1663

LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA - MS J587

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002885406	LPB-5954-93	55SD	SMALL CAPS <9 LBS	14		I	09/02/93
002885407	LPB-5688-93	55SD	SMALL CAPS <9 LBS	14		I	09/02/93
002885408	LPB-5689-93	55SD	SMALL CAPS <9 LBS	14		I	09/02/93
002885409	LPB-5955-93	55SD	SMALL CAPS <9 LBS	14		I	09/04/93

Total Containers : 4

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC 110
RUN DATE : 9/15/93 CERTIFICATE OF DISPOSAL
RUN TIME : 5:19 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059083	158979	TX00200220 TX00200221	08/04/93	09/13/93

LOS ALAMOS NATIONAL LAB
P O BOX 1663

LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002885413	LPB-6646-93	55SD	DEBRIS	48		I	09/13/93
	Contents Only			48		I	08/28/93
002885414	LPB-4840-93	55SD	DEBRIS	48		I	09/04/93
	Contents Only			48		I	08/28/93
002885415	LPB-5645-93	55SD	DEBRIS	48		I	09/04/93
	Contents Only			48		I	08/28/93
002885416	LPB-5958-93	55SD	DEBRIS	48		I	09/04/93
	Contents Only			48		I	08/28/93
002885417	LPB-6644-93	55SD	DEBRIS	48		I	08/28/93
002885418	LPB-4839-93	55SD	DEBRIS	48		I	09/13/93
	Contents Only			48		I	08/28/93
002885419	LPB-6643-93	55SD	DEBRIS	48		I	09/04/93
	Contents Only			48		I	08/28/93
002885420	LPB-6645-93	55SD	DEBRIS	48		I	08/28/93
002885421	LPB-5709-93	55SD	DEBRIS	48		I	09/03/93
	Contents Only			48		I	08/29/93

Total Containers : 9

****

* Disposal Methods :
* 'I' - Waste that was incinerated.
* 'L' - Waste that was landfilled.
* Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
* PO BOX 609
* DEER PARK TX 77536
* EPA ID: TXD055141378

****

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

:XAS WATER COMMISSION
). Box 13087, Capitol Station
istin. Texas 78711-3087

112

ase print or type (Form designed for use on elite (12-pitch) typewriter)

Form approved OMB No. 2050-0039 expires 09-30-91

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
	N M 0 8 9 0 0 1 0 5 1 5 b 7 3 7		

3. Generator's Name and Mailing Address		A. State Manifest Document Number
LOS ALAMOS NATIONAL LAB P.O. BOX 1663 MS J587 LOS ALAMOS, NM 87545	In Emergency see box # 15	00200221
4. Generator's Phone (505) 667-7579 ATTN: RAYMOND P. THUMA		B. State Generator's ID 99435
5. Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT	6. US EPA ID Number: D E D 9 8 0 9 1 8 8 5 8	C. State Transporter's ID 40756
		D. Transporter's Phone (713) 930-4500
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address: ROLLINS ENVIRONMENTAL SERVICES (TX), INC. 2027 BATTLEGROUND ROAD DEER PARK, TX 77536	10. US EPA ID Number: T X D 0 5 5 1 4 1 3 7 8	G. State Facility's ID HW-50089-001
		H. Facility's Phone (713) 930-2300

11A HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ (PCB)	007	DM	00551	K P	177630
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II	007	DM	Act. 408 PB	K P	110550
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ (PCB)	001	DM	00029	K P	110550
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II	001	DF	Act 4 PB	K P	116080

J. Additional Descriptions for Materials Listed Above
11a) HO59083-48, PCB DEBRIS, 7500PPM
11b) HO59361-49, OIL, CAPSUR AND PCB 50-500PPM
11c) HO59361-49, OIL, CAPSUR, AND PCB >500PPM
11d) HO60130-41, PCB LABPACK 50-500 PPM PCB

K. Handling Codes for Wastes Listed Above: A-D B C; M043 ✓ M041 ✓

15. Special Handling Instructions and Additional Information: Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# 621
D.O.T. Emergency Response #'s 11a. 31 11b. 31 11c. 31 11d. 31
LANL EMERGENCY #(505) 667-7000 RPI

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Raymond P Thuma	Ray P Thuma	07	28	93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Fred O'Connor	Fred O'Connor	07	28	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
PER MY PHONE CONVERSATION WITH Jim Stanton THE ABOVE QUANTITY HAS BEEN CHANGED TO REFLECT THE ACTUAL AMOUNT RECEIVED BY RES (TX) ~~INC~~ Pam Durham 7-29-93

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RES (TX) INC

Printed/Typed Name	Signature	Month	Day	Year
PAUL MILL		08	04	93

White Original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ROLLINS
ENVIRONMENTAL SERVICES

PCB CONTINUATION SHEET

.NIFEST DOCUMENT NO: 00260221

PAGE 2 OF 2

RAL INFORMATION

ormat has been prepared and offered ONLY as a convenience for our customer. However, the iation required is mandatory to be in compliance with EPA Regulations and RES (TX) Inc. . (Regulatory Reference: 40 CFR-Part 761)

'B Continuation Sheet, if necessary, must accompany the Manifest. (Note: The required ation should be indicated in Section 15 of the Manifest, if space permits).

Manifest Document Number is indicated on the Manifest in Item 4 (8 digits). Please nce this number at the top of each continuation sheet.

1: Indicate RES (TX) Inc. Lab Reference Number (HO-XXXXX-XX) as indicated in Manifest Section 15.

2: Indicate Unique Identifying No. (Maximum of 10 Alpha-Numeric digits) as assigned by generator to EACH PCB article or container and as indicated on each PCB article or container via RES provided label.

3: Indicate type of PCB waste, i.e., transformer, capacitor, oil, debris, etc.

4: Indicate the Date of Removal from service for disposal as indicated on each PCB article or container.

: Indicate the weight of each PCB article or container in KILOGRAMS only.

6: Indicate the proper PCB Waste Code, i.e, PCB 1 defined as PCB Articles, transformers, capacitors, etc. and PCB 2 defined as PCB Containers.

(1)	(2)	(3)	(4)	(5)	(6)
S (TX) INC. HO-NUMBER	GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT KILOGRAMS	PCB WASTE CODE
-59083-48	LPB-5645-93 ✓	debris	6-16-93	53 Kg	PCB-2
-59083-48	LPB-5709-93 ✓	debris	6-29-93	60 Kg	PCB-2
-59083-48	LPB-5958-93 ✓	debris	6-17-93	228 Kg	PCB-2
-59083-48	LPB-6643-93 ✓	debris	7-20-93	52 Kg	PCB-2
-59083-48	LPB-6644-93 ✓	debris	7-20-93	60 Kg	PCB-2
-59083-48	LPB-6645-93 ✓	debris	7-20-93	44 Kg	PCB-2
-59083-48	LPB-6646-93 ✓	debris	7-20-93	54 Kg	PCB-2
-59361-49	LPB-5425-93 ✓	PCB-water	6-15-93	181 Kg	PCB-2
-59361-49	LPB-5426-93 ✓	PCB-water	6-15-93	181 Kg	PCB-2
-59361-49	LPB-5427-93 ✓	PCB water	6-15-93	181 Kg	PCB-2
-59361-49	LPB-5710-93 ✓	PCB Water	6-29-93	29 Kg	PCB-2
-0130-41	LPB-6157-93 ✓	oil	7-13-93	5 Kg	PCB-2

ROLLINS
ENVIRONMENTAL SERVICES (TX) INC.
P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

CONFIRMATION OF RECEIPT OF MANIFESTED WASTE

GENERATOR NAME/ADDRESS: Los Alamos National Lab
Los Alamos NM

STATE MANIFEST DOCUMENT NO.: 00200221

DATE OF RECEIPT AT FACILITY: 8-4-93

Enclosed is your original, completely signed Manifest which indicates acceptance of material (with discrepancies as indicated, if any) by Rollins Environmental Services (TX) Inc.

Kathleen Hanna
RES (TX), Inc.

8-26-93
Date

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059083	158979	TX00200220 TX00200221	08/04/93	09/13/93

LOS ALAMOS NATIONAL LAB
P O BOX 1663

LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002885413	LPB-6646-93	55SD	DEBRIS	48		I	09/13/93
	Contents Only			48		I	08/28/93
002885414	LPB-4840-93	55SD	DEBRIS	48		I	09/04/93
	Contents Only			48		I	08/28/93
002885415	LPB-5645-93	55SD	DEBRIS	48		I	09/04/93
	Contents Only			48		I	08/28/93
002885416	LPB-5958-93	55SD	DEBRIS	48		I	09/04/93
	Contents Only			48		I	08/28/93
002885417	LPB-6644-93	55SD	DEBRIS	48		I	08/28/93
002885418	LPB-4839-93	55SD	DEBRIS	48		I	09/13/93
	Contents Only			48		I	08/28/93
002885419	LPB-6643-93	55SD	DEBRIS	48		I	09/04/93
	Contents Only			48		I	08/28/93
002885420	LPB-6645-93	55SD	DEBRIS	48		I	08/28/93
002885421	LPB-5709-93	55SD	DEBRIS	48		I	09/03/93
	Contents Only			48		I	08/29/93
	Total Containers :	9					

****

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.
Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

****

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 9/29/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:16 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
Gen. id# - 19930728	060130	158980	TX00200221	08/04/93	09/16/93

LOS ALAMOS NATIONAL LAB
MS J587
P O BOX 1663
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO Mthd	Disposal Date
002885428	LPB-6157-93	10PD41	LAB PACK	41	I	09/16/93 ✓
	Total Containers : 1					

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 10/06/93 CERTIFICATE OF DISPOSAL
RUN TIME : 3:42 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059361	158980	TX00200221	08/04/93	09/28/93

Cert-id# - 19930728

LOS ALAMOS NATIONAL LAB
MS J587
P O BOX 1663
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002885423	LPB-5427-93	55SD	LIQUID	49		I	09/28/93
	Contents Only	55SD		49		I	09/05/93
002885424	LPB-5426-93	55SD	LIQUID	49		I	09/28/93
	Contents Only	55SD		49		I	09/05/93
002885425	LPB-5710-93	55SD	LIQUID	49		I	09/07/93
	Contents Only	55SD		49		I	09/02/93
002885426	LPB-5425-93	55SD	LIQUID	49		I	09/07/93
	Contents Only	55SD		49		I	09/02/93
	Total Containers :	4					

This completes the Certificates of Destruction per Manifest Number TX00200221.

Cert id# - 19930728

****
* Disposal Methods : *
* 'I' - Waste that was incinerated. *
* 'L' - Waste that was landfilled. *
* Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC *
* PO BOX 609 *
* DEER PARK TX 77536 *
* EPA ID: TXD055141378 *
* *
****

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 9/01/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:12 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059082	158979	TX00200220	08/04/93	08/29/93

LOS ALAMOS NATIONAL LAB
P O BOX 1663
M/S J587
LOS ALAMOS NM 87545
Attn: RAYMOND P THUMA

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002885411	LPB-4825-93	55SD	CAPACITOR	39		I	08/29/93

Total Containers : 1

****

* Disposal Methods :
* 'I' - Waste that was incinerated.
* 'L' - Waste that was landfilled.
* Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
* PO BOX 609
* DEER PARK TX 77536
* EPA ID: TXD055141378

****

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

; WATER COMMISSION
ox 13087, Capitol Station
., Texas 78711-3087

15948 123

nt or type (Form designed for use on elite (12-pitch) typewriter.)

Form approved OMB No 2050 0039 expires 09 30-91

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
	N M 0 8 9 0 0 1 0 5 1 5 B 3 3 9 0		

Generator's Name and Mailing Address LOS ALAMOS NATIONAL LAB P.O. BOX 1663 MS J587 LOS ALAMOS, NM 87545 Generator's Phone ((505) 667-7579 ATTN: JOHN C. KELLY	In Emergency see box # 15
	A. State Manifest Document Number: 00200341
	B. State Generator's ID: 99935
Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT	6. US EPA ID Number: D E D 9 8 0 9 1 8 8 5 8
	C. State Transporter's ID: 40756
	D. Transporter's Phone: (713) 930-4500
Transporter 2 Company Name	8. US EPA ID Number
	E. State Transporter's ID
	F. Transporter's Phone
Designated Facility Name and Site Address ROLLINS ENVIRONMENTAL SERVICES (TX), INC. 2027 BATTLEGROUND ROAD DEER PARK, TX 77536	10. US EPA ID Number: T X D 0 5 5 1 4 1 3 7 8
	G. State Facility's ID: HW-50089-001
	H. Facility's Phone: (713) 930-2300

A M	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14 Unit Wt/Vol	I. Waste No.
	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ	0 0 1	D M	0 0 0 4 3	K P	PB 110550
	b.					
	c.					
	d.					

Additional Descriptions for Materials Listed Above
11a) RQ 9381-49, WATER, CAPSOR AND <500PPM PCB
11b)
11c)
11d) see continuation sheet

K. Handling Codes for Wastes Listed Above: M041

15. Special Handling Instructions and Additional Information: Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack' if undeliverable return to generator. B.O.L.# 0.0. 1 Emergency Response #'s 11a. 31
LANL EMERGENCY # 505-667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
John C. Kelly	John C. Kelly	08 19 93

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name	Signature	Month Day Year
GUS KRUEBBE	Gus Kruebbe	08 19 93

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space
PER MY PHONE CONVERSATION WITH Tim Sloan THE ABOVE QUANTITY (unit Wt/Vol) HAS BEEN CHANGED TO REFLECT THE ACTUAL AMOUNT RECEIVED BY RES (TX) INC. Pam Gerhardt 9-7-93

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RES (TX) INC. — Date

Printed/Typed Name	Signature	Month Day Year
K SCHAFER	K Schafer	08 30 93

ROLLINS
ENVIRONMENTAL SERVICES

PCB CONTINUATION SHEET

MANIFEST DOCUMENT NO: 00200341 93396

PAGE 1 OF 1

.L INFORMATION

mat has been prepared and offered ONLY as a convenience for our customer. However, the .ion required is mandatory to be in compliance with EPA Regulations and RES (TX) Inc. (Regulatory Reference: 40 CFR-Part 761)

Continuation Sheet, if necessary, must accompany the Manifest. (Note: The required :ion should be indicated in Section 15 of the Manifest, if space permits).

anifest Document Number is indicated on the Manifest in Item 4 (8 digits). Please :e this number at the top of each continuation sheet.

1: Indicate RES (TX) Inc. Lab Reference Number (HO-XXXXX-XX) as indicated in Manifest Section 15.

2: Indicate Unique Identifying No. (Maximum of 10 Alpha-Numeric digits) as assigned by generator to EACH PCB article or container and as indicated on each PCB article or container via RES provided label.

3: Indicate type of PCB waste, i.e., transformer, capacitor, oil, debris, etc.

4: Indicate the Date of Removal from service for disposal as indicated on each PCB article or container.

5: Indicate the weight of each PCB article or container in KILOGRAMS only.

6: Indicate the proper PCB Waste Code, i.e, PCB 1 defined as PCB Articles, transformers, capacitors, etc. and PCB 2 defined as PCB Containers.

(1) .S (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
D59-361-49	LPB-7157-93	PCB water	2-2-92	43	PCB-2

ROLLINS
ENVIRONMENTAL SERVICES (TX) INC.
P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

CONFIRMATION OF RECEIPT OF MANIFESTED WASTE

GENERATOR NAME/ADDRESS: Los Alamos National Lab
Los Alamos NM

STATE MANIFEST DOCUMENT NO.: 00200341

DATE OF RECEIPT AT FACILITY: 8-30-93

Enclosed is your original, completely signed Manifest which indicates acceptance of material (with discrepancies as indicated, if any) by Rollins Environmental Services (TX) Inc.

Kathleen Hanna
RES (TX), Inc.

9-6-93
Date

* *

LOS ALAMOS EMPLOYEE: L.L. Hupke

DATE OF CONFIRMATION: 9-10-93

MANIFEST NUMBER: 00200341

(DISPOSAL)/STORAGE FACILITY:

CONTACT NAME: Kathleen Hanna

MEANS OF CONFIRMATION: Telephone, Fax, (Letter), Other _____

COMMENTS: 713-930-2320

FIGURE 4

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 9/10/93 CERTIFICATE OF DISPOSAL
RUN TIME : 10:00 AM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059361	159489	TXOC200341	08/30/93	09/08/93

LOS ALAMOS NATIONAL LAB
P O BOX 1663
MS J587
LOS ALAMOS NM 87545
Attn: JOHN KELLY

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002894166	LPB-7157-93	55SD	LIQUID	49		I	09/08/93
	Contents Only	55SD		49		I	09/08/93
	Total Containers :	1					

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 9/10/93 CERTIFICATE OF DISPOSAL
RUN TIME : 10:00 AM PAGE: 2

This completes the Certificates of Destruction per Manifest Number TX00200341.

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK CA

DRAFT
CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Stanley Meiburg
Chief, Toxic Section
U.S. EPA, Region 6, 6H-PT
1445 Ross Avenue, Suite 1200
Dallas TX, 75202-2733

Dear Mr. Meiburg:

On August 4, during the August 2-12, 1993 EPA multimedia audit of the Los Alamos National Laboratory, John Ellison (National Enforcement Investigations Center) and we discovered, at Technical Area 35, Building 7, a 55-gallon drum containing PCB-spill cleanup materials which had exceeded the one year storage-for-disposal requirement of 40 CFR 761.65(a). The drum was dated 2/21/92 and contained less than two gallons of an aqueous Capsur^{R} cleaning solution which had been generated during a follow-up cleanup of a PCB spill on the floor of Building 7. Prior to cleaning the spill with Capsur^{R}, the floor had been cleaned with an organic solvent which had removed the visible stain from the floor. (The spill occurred when a small non-regulated PCB capacitor, being prepared for disposal, fell on the floor). The rags, paper, and other debris generated as a result of the solvent cleanup were disposed and the area on the floor was sampled and submitted for chemical analysis. Analysis indicated the contaminated area to be above the required cleanup standard of 10 µg PCB/100 cm^2 and for that reason the follow-up cleanup with Capsur^{R} was conducted (which resulted in attaining the <10 µg PCB/100cm^2 standard). After the cleanup was completed, the drum was sealed and labeled with a PCB label. Because the building where the drum resided is used primarily for storage, kept locked, and has been infrequently opened since March of 1992, the drum was unfortunately forgotten--despite the fact that our protocols, involving at least four organizations, should have brought it to our attention. We offer this information simply for "background" purposes, not as justification for exceeding the one year storage limitation. We indicated to Mr. Ellison that we would immediately start processing the drum for disposal to demonstrate our commitment to the PCB Regulations.

Prior to shipping the waste to Rollins Environmental Services for disposal on August 9, a sample of the Capsur^{R} solution was submitted for analysis. The analytical chemistry results (enclosed) indicated the PCB concentration of the waste to be 1.1 ppm PCB. Rollins incinerated the Capsur^{R} solution on September 8, 1993. Copies of the manifest and certificate of disposal for the waste are enclosed for your confirmatory purposes.

Sincerely,

J. Bellows
Area Manager

...S ALAMOS ONAL LABORATORY

CHEMICAL WASTE DISPOSAL REQUEST (CWDR)

RECEIVED AUG 0 5 1993

130

EM-7 USE ONLY
Identification Number 1005432

MAIL TO: CWDR, MAIL STOP J593

CHEMICAL AND MIXED WASTE OPERATIONS OF EM-7 WILL NOT PROCESS THIS FORM UNLESS ALL ...ICABLE BOXES HAVE BEEN COMPLETED, APPROPRIATE DOCUMENTS ATTACHED, AND CERTIFICATION ...EMENTS HAVE BEEN SIGNED. ITEM-BY-ITEM INSTRUCTIONS ARE ON THE LAST PAGE OF THIS FORM. ... 665-4000 FOR ADDITIONAL ASSISTANCE IN COMPLETING THIS FORM.

93037157

...sion/Group	Program Code
JCI / JENV	UB03

	Technical Area	Building	Room
...te Generated At:	TA-35	7	
...te Accumulated At:	TA-35	7	

...ea Designation:

...waste accumulated at: ☐ Satellite ☐ Less Than 90 Days (*Start Date* __/__/__) ☑ Other _____

...e waste generated or accumulated in a Radioactive Materials Management Area *(RMMA)*?	☐ Yes	☑ No
...e stored in a security area?	☐ Yes	☑ No
...e classified or a property numbered item?	☐ Yes	☑ No
...generated from an environmental restoration project?	☐ Yes	☑ No

...aste Minimization: This is a: ☐ Normal or ☑ Off-Normal Waste.

...aterial described on this form is new or unused, have you attempted to recycle or offer it ...s for use prior to disposal?	☐ Yes	☐ No	☑ N/A
...aste minimization procedures from Waste Minimization Plan been followed?	☐ Yes	☑ No	
...ou implemented waste minimization technologies/procedures for your waste generating ...ing?	☐ Yes	☑ No	

please estimate the amount of waste you have reduced since you implemented the process changes: _____ since (*date*): _____

...E GENERATOR CERTIFICATION: To the best of my knowledge, I certify that the information on this form is correct. I understand that this ...tion will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility ... and imprisonment for knowing violations.

...erator Name *(Print)*	Signature		
Michael Bailey	Michael Bailey		
...ber	Telephone	Mail Stop	Date
096049	7-0104	A-199, JENV	8/5/93

...E MANAGEMENT COORDINATOR CERTIFICATION STATEMENT: My signature certifies that all information on this form has been reviewed ...correct to the best of my knowledge.

...te Coordinator Name *(Print)*	Signature		
Michael Bailey	Michael Bailey		
16049	Telephone 7-0104	Mail Stop A-199, JENV	Date 8/5/93

LOS ALAMOS NATIONAL LABORATORY

WASTE PROFILE FORM

COPY

EM-8 USE ONLY
Reference Number 137

Complete both sides of this form using a black or blue pen. Incomplete forms will be rejected. Send form to ATTN: WPF, MS K490.

Division/Group	Telephone	Mail Stop	Technical Area	Building	Room
J-CI/JENV	7-0104	A-199, JENV	TA-35	7	

Method of Characterization

- ☐ *Knowledge of Process* (KOP)
- ☐ MSDS attached (optional)
- - OR -
- ☐ *Chemical/Physical Analysis* (specify below)
- ☐ Request for analysis
- ☐ Analysis attached

Waste Categories *(Choose one or more of the categories below that most accurately describes your waste.)*

☐ Flammable	☐ Pesticide	☐ Photographic	☐ Spent coolant	☐ Plastics
☐ Combustible	☐ Beryllium	☐ Sanitary	☐ Aerosol cans	☐ Filter media
☐ High explosive	☐ Asbestos	☐ Radiochemistry	☐ Motor oil	☐ Vacuum filter media
☐ DOT oxidizer	☐ Solvent	☐ Paint waste	☐ Pump oil	☐ Cement paste
☐ Pyrophoric	☐ Waste rags	☐ Laboratory trash	☑ Capacitor oil	☐ Nonsalvageable
☐ Cyanide	☐ Glass	☐ Metallurgic	☐ UST remediation	☐ Nonrecyclable
☐ Heavy metal	☐ Plating solution	☐ Scrap metal	☐ Contaminated soils	☐ Building debris
☐ Corrosive	☐ Etchant	☐ Medical/Biological	☐ Environmental/SWMU	☐ Firing site debris

General Description *(Provide a general description of the waste and/or waste-generating process below.)*

PCB-CONTAMINATED WATER from PCB SPILL, CAPSVR + WATER (non-regulated cap-sr

Waste Description *(Check only one box in each column.)*

Form	Ignitability (F)	Corrosivity (pH)	Reactivity	PCBs
☐ Solid	☐ < 100°	☐ ≤ 2.0	☐ Unstable	☐ < 50 ppm
☐ Semisolid/sludge	☐ 100° to 139°	☐ 2.1 to 12.4	☐ Water reactive	☐ 50 to 500 ppm
☐ Absorbed liquid	☐ 140° to 200°	☐ ≥ 12.5	☐ Cyanides	☑ > 500 ppm
☑ Liquid	☐ > 200°	☑ Not aqueous	☐ Sulfides	☐ None
☐ Gas cylinder or vessel	☑ Not ignitable		☐ Shock sensitive	
☐ Multilayered			☐ Class A or B explosive	
☐ Suspended solids			☑ Nonreactive	
☐ Powder or ash				

✓ OK
EM-8
8/5/93
5-2288

Waste Origination

A. Is this waste generated in a radiation controlled area? ☐ Yes ☑ No

B. If yes, is the waste generated or accumulated in a properly defined, registered radioactive materials management area (RMMA)? (RMMA # _____) ☐ Yes ☐ No

C. If the answer to question A is yes and you have determined that your waste is nonradioactive, provide justification in the additional comments section on the reverse side of this form.

Radioactivity ☒ Nonradioactive

☐ Suspect ☐ Radioactive

Activity Measure	Radiation Type	
☐ ≤2.0 nCi/g	☐ alpha	☐ gamma
☐ >2.0 nCi/g	☐ $t^{1/2}$ < 20 yr	☐ tritium
☐ >10.0 nCi/g	☐ $t^{1/2}$ ≥ 20 yr	
☐ >100.0 nCi/g	☐ beta	

WASTE GENERATOR CERTIFICATION: *Based on my knowledge of the waste and/or chemical/physical analysis, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.*

Waste Generator's Name (last, first, middle)	Z Number	Signature	Date
Bailey, Michael G.	096049	Michael Bailey	8/5/93

If your waste management coordinator is the custodian of your waste management documentation, provide the name and mail stop of this person (optional). --->	Name (last, first, middle)	Mail Stop
	Bailey, Michael	A-199, JENV

RECEIVED AUG 5 1993

EM-7 WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515	CWDR #: 1005432
S H I P T O	S H I P F R O M
EM-7 PHONE 505-667-7579	Requestor: BAILEY MICHAEL G
CHEMICAL AND MIXED WASTE OPERATIONS	Z #: 096049
LOS ALAMOS NATIONAL LABORATORY	Group: JCI
ATTN: RAY THUMA/JOHN KELLY	TA: 35
LOCATION	Building: 7
TA-54 ___ AREA L ___ AREA G ___	Room:
TA-50 ___ BLDG 1 ___ BLDG 37 ___	Phone: 70104
TRANSPORTER _____	

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE	TOTAL QUANTITY	UNIT WT/VOL
1	X	"RQ" POLYCHLORINATED BIPHENYLS, MIXTURE 9, UN2315, II NONE	1	DM	100 P

EMERGENCY RESPONSE GUIDE #: 31

HMTF REVIEW
APPROVED ☑
DISCREPANCY ☐
03106
8-5-93 DG

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION
PLACARDS REQUIRED: NONE

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
Michael Bailey	x Michael Bailey	8-6-93

THIS IS TO CERTIFY THAT THE ABOVE-NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	DATE
LEE E ESQUIBEL	x Lee E Esquibel	8-6-93

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.
NMO 8 9 0 1 0 5 1 5	0 3 6 2		

3. Generator's Name and Mailing Address	A. State Manifest Document Number
Los Alamos National Laboratory P.O. Box 1663, Los Alamos, NM 87545 4 Generator's Phone (505) 667-7579 ATTN: Dan Oakley MS M J587	UN 10018416 133 B. State Generator's ID
5. Transporter 1 Company Name: Unison Private Truck Fleet	6. US EPA ID Number: OHD981094202
	C. State Transporter's ID D. Transporter's Phone (216) 998-2399
7 Transporter 2 Company Name	8. US EPA ID Number E. State Transporter's ID F. Transporter's Phone
9. Designated Facility Name and Site Address Unison Transformer Services 1302 W. 38th St. Ashtabula, OH 44004	10. US EPA ID Number: OHD981094202 G. State Facility's ID H. Facility's Phone (216) 992-8655

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. "RQ" Residue: Last Contained Polychlorinated Biphenyls 9, UN2315, II	X	001	CM	MAB 03105	K	PCB-1
b.						
c.						
d.						

J. Additional Description for Materials Listed Above

Empty PCB Transformer >500ppm

K. Handling Codes for Wastes Listed Above

K= Kilograms

15. Special Handling Instructions and Additional Information. All weights are estimated. All Invoices and Manifest Discrepancies should be referred to UNISON, P.O. Box 1076, Henderson, Kentucky 42420, Attn.: Distribution Manager, Telephone: (502) 827-0541. All Manifests and Certificates of Destruction should be sent to UNISON Transformer Services, Inc., P.O. Box 240368, Charlotte, North Carolina 28224. Emergency Response: 1-800-822-4357. Empty drums to be returned to UNISON-DO **NOT LANDFILL DRUMS.** See Continuation Sheet for details.

Emergency Response Guide Number 31. LANL Emergency Phone (505) 667-6211

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Daniel Oakley	Dan Oakley	10	21	93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Bubby Melton	Bubby Melton	10	21	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

Actual weight in Line Item #13 is 03105 kg MAB

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Mike Babcock	Mike Babcock	10	28	93

reporting burden for this collection of information is estimated to average: 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment, storage and disposal facilities. This includes time for ing instructions, gathering data, and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden, to: Chief, Information Policy Branch PM-223 nvironmental Protection Agency, 401 M Street SW., Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

date Rec 11-14-93

NIOSON

WASTE MANIFEST
(CONTINUATION SHEET)

ADDITIONAL INFORMATION

Generator's US EPA ID No. NM0890010576	Manifest Doc. No.	Pg 2 of 2	
Generator's Name National Lab.	Job # 2753	Cycle # T/E	
Mailing Address P.O. Box 1663	Job Location		
City, State, Zip Los Alamos, N.M. 87545	Transformer Serial # 19091-7		
Manifest # UNI0018809	Trailer # 449794	Manufacturer Pennsylvania	Nameplate Gallons 395

SERIAL CODE	PCB WASTE CODE	ARTICLE/DRUM ID	ACTIVITY CODE	DATE OF REMOVAL FOR DISPOSAL	GALLONS	NET WEIGHT IN POUNDS	NET WEIGHT IN KG	WASTE TYPE
RP	PCB-1	19091-7	T/E	9-10-93	395	6846 ~~6850~~	3105 ~~3135~~	SOL

* *

LOS ALAMOS EMPLOYEE: Larry Hughe

DATE OF CONFIRMATION: 12, 14-93

MANIFEST NUMBER: UN 0C18416

(DISPOSAL)/STORAGE FACILITY:

CONTACT NAME: Mike Balcomb

MEANS OF CONFIRMATION: (Telephone,) Fax, Letter, Other _____

COMMENTS: 216-992-8655

FIGURE 4

INVOICE

PLEASE REMIT AND MAIL TO:

UNISON TRANSFORMER SERVICES, INC. 010414
1338 HUNDRED OAKS DRIVE
CHARLOTTE, N.C. 28217
(704) 529-4489

ATTN: J. L. FERRARI, CFO

136
INVOICE DATE 09/30/93
INVOICE NO. 002969

CUSTOMER NO. 002753

ACCOUNTS PAYABLE

3 OCT 6 AM 8 46

SERVICED FOR:
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663
ATTN: ACCOUNTING DEPARTMENT
LOS ALAMOS, NM 87545

SERVICING DESCRIPTION:
LOS ALAMOS NATIONAL LABORATORY
DESTRUCTION OF TRANSFORMER
REMOVED 09/21/93
LOS ALAMOS, NM

CUSTOMER ORDER NO.	UNISON PROPOSAL NO.	TERMS	ACCOUNT EXEC	OUR ORDER NO
5-3X1-Q1711-1		NET 30 DAYS	09-KMK	2753B

SERIAL NO. / DESCRIPTION	QUANTITY ORDERED	QUANTITY REMAINDER TO INV.	QUANTITY % INVOICED	TOTAL PRICE	AMOUNT DUE
ANSFORMER XT	0.00	0.00	1.00	5408.340	5408.34
ANSFORMER #19091-07	6846 LBS	@ $.79/LB			

10/6

APPROVAL FOR PAY
Hupka 10-18-93

C6
P1414800

THANK YOU FOR YOUR BUSINESS.

Sales Total	5408.34
Trade Discount	0.00
Freight	0.00
Misc. Charges	0.00
Sales Taxes	314.39
INVOICE TOTAL	5722.73

NI 35063

UNISON

October 22, 1993

Mr. Larry Hupke
LOS ALAMOS NATIONAL LABS
P O Box 1663
MS-E-518
Los Alamos, NM 87545

Dear Mr. Hupke:

Attached is your copy of the Certificates of Destruction for your transformer(s) removed from your facility. The material was destroyed in accordance with 40 CFR 761.

If you have any questions, please contact me at (704)529-4471.

Sincerely,

Tabitha A. Richardson

Tabitha A. Richardson
Information Systems Supervisor

Attachment

cc: Job File #2753

JOB NUMBER 2753
CERT NUMBER U0016907
UNISON ID# 09582

THIS CERTIFICATE IS
VERIFICATION OF DESTRUCTION
OF YOUR TRANSFORMER BY

UNISON TRANSFORMER SERVICES, INC.

1302 W. 38th STREET, ASHTABULA, OHIO 44004
EPA No. OHD981093420
DESTRUCTION DATE: 10/08/93

GENERATOR: LOS ALAMOS NATIONAL LABS
CITY: Los Alamos
STATE: NM ZIP: 87545
DATE INTO STORAGE: 09/10/93

TRANS. MFG.: PENNSYLVANIA
SERIAL#: 19091-07
MANIFEST: UNI0018416

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsiblity for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

SIGNATURE: Tabitha A. Richardson
BY : Tabitha A. Richardson
TITLE: Information Systems Supervisor

PCB WASTE DESCRIPTION

TYPE	DESCRIPTION AND/OR NAME	OWNER	PCB ID#	SERIAL	PCB CONT. PPM	GALLONS	WEIGHT EMPTY	DIMENSIONS (H X W X L)	IS IT DRAIN CODES	STORAGE DATE
Xmer	PENNSYLVANIA	TA-16 LANL	4997	19091-7	PYRANOL	395	7000 lbs	94X76X92	Drained	

SAMPLE # 16-563-304
Total Wt. 12150 lbs
- 5150
Empty wt. 7000 lbs

0139

FAX . .-998-2598

UNISON

January 5, 1994

Mr. Larry Hupke
LOS ALAMOS NATIONAL LABS
P O Box 1663
MS-E-518
Los Alamos, NM 87545

Dear Mr. Hupke:

Attached is your copy of the final Certificates of Destruction for your manifest. All materials have been destroyed in accordance with 40 CFR 761. Please refer to the Certificate for detailed information on disposal date, disposal facility used, and method of disposal.

If you have any questions, please contact me at (704)529-4471.

Sincerely,

Tabitha A. Richardson

Tabitha A. Richardson
Information Systems Supervisor

Attachment

cc: Job File #2753

UNISON TRANSFORMER SERVICES, INC.

FINAL
CERTIFICATE OF DISPOSAL

LOS ALAMOS NATIONAL LABS
P O Box 1663
Los Alamos , NM 87545

JOB #: 2753
MANIFEST: UNI0018416
DATE RECEIVED: 09/28/93

FINAL CERT #: U0017317
FINAL DISPOSAL DATE: 12/15/93

UNISON TRANSFORMER SERVICES, INC. CERTIFIES THAT THE ITEMS BELOW HAVE BEEN DISPOSED OF IN ACCORDANCE WITH 40 CFR 761.

JE ID #	MAT TYPE	DISPOSAL METHOD	DISPOSAL DATE	DISPOSERS CERTIFICATE #	DISPOSAL FACILITY	FACILITY EPA ID#
1-07	CARP	C/SM/I	10/08/93	U0016907	UNISON -	OHD981093420

UNISON TRANSFORMER SERVICES, INC.
FINAL CERTIFICATE OF DISPOSAL

ignated Facility: UNISON Transformer Services, Inc.
1302 West 38th Street
Ashtabula, Ohio 44004
EPA ID#: OHD981093420

posal Methods: I - Incineration
C/SM/I - Combination Cleaning, Smelting/Incineration
S/I - Combination Separation, Incineration
D/I - Detoxification/Incineration

er civil and criminal penalties of law for the making or submission of se or fraudulent statements or representations (18 U.S.C. 1001 and 15 .C. 2615), I certify that the information contained in or accompanying s document is true, accurate, and complete. As to the identified tion(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory ponsiblity for the persons who, acting under my direct instructions, made verification that this information is true, accurate, and complete.

ase call (704)529-4471 with any questions regarding this Certificate Disposal.

TURE: Tabitha A. Richardson
Tabitha A. Richardson
LE: Information Systems Supervisor

Recd 11-02-93
143

EXAS WATER COMMISSION
O. Box 13087, Capitol Station
ustin, Texas 78711-3087

ase print or type .Form designed for use on elite (12-pitch) typewriter)

Form approved OMB No 2050 0039 expires 09 30 94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N M 0 8 9 3 2 1 0 5 1 5 | Manifest Document No. | 2. Page 1 of 4 | Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
In Emergency see box # 15
LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS NATIONAL LABORATORY P.O.BOX 1663 MSJ587
LOS ALAMOS, NM 87545-
4 Generator's Phone (505)667-7579 ATTN: DAN OAKLEY

A. State Manifest Document Number 00423744
B. State Generator's ID 99935

5 Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT
6. US EPA ID Number: D F D 9 8 0 9 1 8 8 5 8
C. State Transporter's ID 40756
D. Transporter's Phone (713)930-4500

7 Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536
10. US EPA ID Number: T X D 0 5 5 1 4 1 3 7 8
G. State Facility's ID HW-50089-001
H. Facility's Phone (713)930-2300

11A HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt. Vol	I. Waste No.
X	POLYCHLORINATED BIPHENYLS, 9, UN2315, PG II, RQ	001	DM	01430	K	116088
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II	001	DM	00110	K	113730
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II	001	DF	00007	K	173880
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ	001	DF	00008	K	173880

J. Additional Descriptions for Materials Listed Above
11a) HO59080-40, PCB OIL > 500 PPM
11b) HO59080-40, PCB OIL
11c) HO59081-14, PCB CAPACITOR
11d) HO59081-14, PCB CAPACITORS

K. Handling Codes for Wastes Listed Above
AD M041 CD M043

15. Special Handling Instructions and Additional Information Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack', If undeliverable return to generator. B.O.L.# D.O.T. Emergency Response #, 11a. 31 11b. 31 11c. 31 11d. 31
CANL EMERGENCY #: (505)667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Daniel T. Oakley	Daniel T Oakley	10 01 93

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name	Signature	Month Day Year
Larry W Bell	Larry W Bell	10 01 93

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space
(see attached Page 2 of 2)
PER MY PHONE CONVERSATION WITH Dan Oakley THE ABOVE QUANTITY HAS BEEN CHANGED TO REFLECT THE ACTUAL AMOUNT RECEIVED BY RES (TX) INC. Kim Mayo 10/5

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RES TX INC — Date

Printed/Typed Name	Signature	Month Day Year
Tony Brown	Tony Brown	10 05 93

White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

Please print or type (Form designed for use on elite (12 pitch) typewriter)

Form Approved OMB No. 2050-0039 Expires 9-30-94

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UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*

21 Generator's US EPA ID No: N M 0 8 9 0 0 1 0 5 1 5 | Manifest Document No: 93475

22 Page 2 of 4 | Information in the shaded areas is not required by Federal law

23 Generator's Name: In Emergency see box # 32
LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS NATIONAL LABORATORY P.O. BOX 1663 MSJ587
LOS ALAMOS, NM 87545-
(505)667-7579 ATTN: DAN OAKLEY

L. State Manifest Document Number: 00423744

M. State Generator's ID: 99935

24 Transporter ___ Company Name: CUSTOM ENVIRONMENTAL TRANSPORT
25 US EPA ID Number: T E D 0 0 9 1 9 5 5 8

N. State Transporter's ID: 40756

O. Transporter's Phone: (713)930-4500

26 Transporter ___ Company Name:
27 US EPA ID Number:

P. State Transporter's ID:

Q. Transporter's Phone:

	28 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No.	Type	30 Total Quantity	31 Unit Wt/Vol	R. Waste No.
a	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ	001	DM	00321	K	173880
b	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ	005	DM	00554	K	173880
c	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ	001	DF	00310	K	177630
d.	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ	004	DM	00495	K	177630
e.	NON-REGULATED WASTE, SOLID	001	DM	00074	K	173140
f	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II, RQ	001	DM	00103	K	110550
g.	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG II	001	DF	00004	K	177640
h	Waste Flammable solid, n.o.s., 4.1, UN1325, PG II, (POLYCHLORINATED BIPHENYLS, ACETONE)	001	DM	00052	K	977630
i						

S. Additional Descriptions for Materials Listed Above

28a HO59081-14, PCB BALLASTS
28b HO59082-39, PCB CAPACITORS
28c HO59083-48, PCB DEBRIS
28d HO59083-48, PCB DEBRIS
28e HO59084-19, NON PCB CAPACITOR
28f HO59361-49, PCB/WATER
28g HO60130-41, PCB LABPACK
28h HO60129-41, F003, TSCA LABPACK

T. Handling Codes for Wastes Listed Above: ABCDEFGH M043 ✓ K M041 ✓

32 Special Handling Instructions and Additional Information

Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# D.O.T. Emergency Response #'s 28a. 31 28b. 31 28c. 31 28d. 31 28e. 31 28f. 31 28g. 31 28h. 32

LANL EMERGENCY #: (505)667-6211

33 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Larry W Bell | Signature: Larry W Bell | Date: Month 10 Day 01 Year 93

34 Transporter ___ Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

35. Discrepancy Indication Space

EPA Form 8700-22A (Rev. 9-88) Previous edition is obsolete.

ROLLINS
ENVIRONMENTAL SERVICES

PCB CONTINUATION SHEET

E MANIFEST DOCUMENT NO: 004237443 4

PAGE 1 OF 2

RAL INFORMATION

format has been prepared and offered ONLY as a convenience for our customer. However, the nati . required is mandatory to be in compliance with EPA Regulations and RES (TX) Inc. /. (Regulatory Reference: 40 CFR-Part 761)

CB Continuation Sheet, if necessary, must accompany the Manifest. (Note: The required nation should be indicated in Section 15 of the Manifest, if space permits).

Manifest Document Number is indicated on the Manifest in Item 4 (8 digits). Please ence this number at the top of each continuation sheet.

N 1: Indicate RES (TX) Inc. Lab Reference Number (HO-XXXXX-XX) as indicated in Manifest Section 15.

N 2: Indicate Unique Identifying No. (Maximum of 10 Alpha-Numeric digits) as assigned by generator to EACH PCB article or container and as indicated on each PCB article or container via RES provided label.

N 3: Indicate type of PCB waste, i.e., transformer, capacitor, oil, debris, etc.

N 4: Indicate the Date of Removal from service for disposal as indicated on each PCB article or container.

N 5: Indicate the weight of each PCB article or container in KILOGRAMS only.

N 6: Indicate the proper PCB Waste Code, i.e, PCB 1 defined as PCB Articles, transformers, cap: tors, etc. and PCB 2 defined as PCB Containers.

(1) RES (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
HO-59080-40	LPB-7971-93 ✓	PCB O:I	9-10-93	207	PCB-2
HO-59080-40	LPB-7972-93 ✓	PCB O:I	9-10-93	192	PCB-2
HO-59080-40	LPB-7973-93 ✓	PCB O:I	9-10-93	202	PCB-2
HO-59080-40	LPB-7974-93 ✓	PCB O:I	9-10-93	207	PCB-2
HO-59080-40	LPB-7975-93 ✓	PCB O:I	9-10-93	172	PCB-2
HO-59080-40	LPB-7976-93 ✓	PCB O:I	9-10-93	197	PCB-2
HO-59080-40	LPB-7977-93 ✓	PCB O:I	9-10-93	41	PCB-2
HO-59080-40	LPB-7978-93 ✓	PCB O:I	9-10-93	212	PCB-2
HO-59080-40	LPB-7156-93 ✓	PCB O:I	8-6-93	118	PCB-2
HO-59081-14	LPB-6687-93 ✓	PCB Capacitor	8-4-93	7	PCB-1
HO-59081-14	LPB-6454-93 ✓	PCB Capacitor	7-27-93	8	PCB-1
HO-59081-14	LPB-7395-93 ✓	PCB Ballasts	8-23-93	321	PCB-1

RES 5C-94M

4 4
PAGE 2 OF 2

MANIFEST DOCUMENT NO: 004237744

(1) RES (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
HO-59082-39	LPB-7079-93 ✓	PCB Capacitor	8-16-93	83	PCB-1
HO-59082-39	LPB-7080-93 ✓	PCB Capacitor	8-16-93	163	PCB-1
HO-59082-39	LPB-7081-93 ✓	PCB Capacitor	8-16-93	167	PCB-1
HO-59082-39	LPB-7161-93 ✓	PCB Capacitor	8-6-93	86	PCB-1
HO-59082-39	LPB-7393-93 ✓	PCB Capacitor	8-20-93	65	PCB-1
HO-59083-48	LPB-6977-93 ✓	PCB Debris	7-2-93	10	PCB-2
HO-59083-48	LPB-7093-93 ✓	PCB Debris	8-6-93	230	PCB-2
HO-59083-48	LPB-7094-93 ✓	PCB Debris	8-6-93	172	PCB-2
HO-59083-48	LPB-7969-93 ✓	PCB Debris	9-10-93	31	PCB-2
HO-59083-48	LPB-7970-93 ✓	PCB Debris	9-10-93	52	PCB-2
HO-59089-19	LPB-7394-93 ✓	Non-PCB Capacitor	8-20-93	74	PCB-1
HO-59361-49	LPB-6535-93 ✓	PCB/Water	6-22-93	102	PCB-2
HO-60130-41	LPB-4829-93 ✓	PCB Labpack	4-27-93	4	PCB-1
HO-60129-41	LPB-7410-93 ✓	RCRA/TSCA Labpack	8-23-93	52	PCB-1

*THIS FORM MAY BE REPRODUCED.

ROLLINS
ENVIRONMENTAL SERVICES (TX) INC.
P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

CONFIRMATION OF RECEIPT OF MANIFESTED WASTE

GENERATOR NAME/ADDRESS: LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS NM

STATE MANIFEST DOCUMENT NO.: 06423744

DATE OF RECEIPT AT FACILITY: 10-5-93

Enclosed is your original, completely signed Manifest which indicates acceptance of material (with discrepancies as indicated, if any) by Rollins Environmental Services (TX) Inc.

Pam Gerhardt
RES (TX), Inc.

10-26-93
Date

* *

LOS ALAMOS EMPLOYEE: Larry Hupke

DATE OF CONFIRMATION: 11-02-93

MANIFEST NUMBER: 00 423744

(DISPOSAL)/~~STORAGE~~ FACILITY:

CONTACT NAME: Pam Gwhardt

MEANS OF CONFIRMATION: Telephone, Fax, (Letter), Other _____

COMMENTS: 713 - 930 - 2351

FIGURE 4

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 11/03/93 CERTIFICATE OF DISPOSAL
RUN TIME : 6:19 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059080	160669	TXD0423744	10/05/93	10/31/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
LOS ALAMOS NM 87545
Attn: DAN OAKLEY MSJ567

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002947222	LPB-7978-93	55SD	LIQUID	40	I		10/31/93 ✓
	Contents Only	55SD		40	I		10/28/93
002947223	LPB-7975-93	55SD	LIQUID	40	I		10/31/93 ✓
	Contents Only	55SD		40	I		10/28/93
002947224	LPB-7976-93	55SD	LIQUID	40	I		10/29/93 ✓
	Contents Only	55SD		40	I		10/28/93
002947225	LPB-7977-93	55SD	LIQUID	40	I		10/31/93 ✓
	Contents Only	55SD		40	I		10/28/93
002947226	LPB-7156-93	55SD	LIQUID	40	I		10/29/93 ✓
	Contents Only	55SD		40	I		10/30/93
002947227	LPB-7974-93	55SD	LIQUID	40	I		10/27/93 ✓
	Contents Only	55SD		40	I		10/28/93
002947228	LPB-7973-93	55SD	LIQUID	40	I		10/27/93 ✓
	Contents Only	55SD		40	I		10/28/93
002947229	LPB-7972-93	55SD	LIQUID	40	I		10/27/93 ✓
	Contents Only	55SD		40	I		10/28/93
002947230	LPB-7971-93	55SD	LIQUID	40	I		10/31/93 ✓
	Contents Only	55SD		40	I		10/28/93

Total Containers : 9

150

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 11/03/93 CERTIFICATE OF DISPOSAL
RUN TIME : 6:19 PM PAGE: 2

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC 151
RUN DATE : 11/10/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:43 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059081	160669	TX0042374 4	10/05/93	10/31/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
LOS ALAMOS NM 87545
Attn: DAN OAKLEY MSJ587

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Mthd	Disposal Date
002947232	LPB-7395-93	55SD	SMALL CAPS <9 LBS	14		I	10/28/93 ✓
002947233	LPB-6454-93	05PD	SMALL CAPS <9 LBS	14		I	10/31/93 ✓
002947234	LPB-6687-93	05PD	SMALL CAPS <9 LBS	14		I	10/31/93 ✓
	Total Containers :	3					

THIS CERTIFICATE OF DISPOSAL REFLECTS THE CORRECT UNIQUE NUMBER FOR INVENTORY CONTROL NUMBER 2947232.

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC 152
RUN DATE : 11/10/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:43 PM PAGE: 2

This completes the Certificates of Destruction per Manifest Number TX00423744.

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

RECEIVED NOV 3 1993

153

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 11/03/93 CERTIFICATE OF DISPOSAL
RUN TIME : 6:19 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	060129	160670	TX00423744	10/05/93	10/31/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
LOS ALAMOS NM 87545
Attn: DAN OAKLEY MSJ587

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mtnd	Disposal Date
002947254	LPB-7410-93	30SD41	LAB PACK	41		I	10/31/93
	Total Containers :	1					

RECEIVED NOV 8 1993

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 11/03/93 CERTIFICATE OF DISPOSAL
RUN TIME : 6:19 PM PAGE: 2

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

Certificate of Disposal Name and Address	Stream Number	Orde Number	Manifest Number	Received Date	Final Disposal
	059361	160670	TX00423744	10/05/93	10/30/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
LOS ALAMOS NM 87545
Attn: DAN OAKLEY MSJ587

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
002947252	LPB-6535-93	55SD	LIQUID	49		I	10/29/93
--	Contents Only	55SD		49		I	10/30/93
	Total Containers :	1					

RECEIVED NOV 15 1993

RECEIVED NOV 8 1993

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

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Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 10/27/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:20 PM PAGE: 1

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Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059084	160669	TX00423744	10/05/93	10/23/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
LOS ALAMOS NM 87545
Attn: DAN OAKLEY MSJ587

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Mtnd	Disposal Date
002947242	LPB-7394-93	55SD	NON PCB CAPACITORS	19		I	10/23/93

Total Containers : 1

RECEIVED NOV 18 1993

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

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Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

RECEIVED NOV 18 1993

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 11/10/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:43 PM PAGE: 159

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059082	160669	TX00423744	10/05/93	10/28/93

RECEIVED NOV 16 1993

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
LOS ALAMOS NM 87545
Attn: DAN OAKLEY MSJ587

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mtnd	Disposal Date
002947236	LPB-7080-93	55SD	CAPACITOR	39		I	10/25/93
002947237	LPB-7393-93	55SD	CAPACITOR	39		I	10/25/93
002947238	LPB-7079-93	55SD	CAPACITOR	39		I	10/25/93
002947239	LPB-7161-93	55SD	CAPACITOR	39		I	10/23/93
002947240	LPB-7081-93	55SD	CAPACITOR	39		I	10/28/93

Total Containers : 5

This completes the Certificates of Destruction per Manifest Number TX00423744.

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

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Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

RECEIVED NOV 16 1993

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 11/03/93 CERTIFICATE OF DISPOSAL
RUN TIME : 6:19 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	060130	160670	TX00423744	10/05/93	10/31/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
LOS ALAMOS NM 87545
Attn: DAN OAKLEY MSJ587

RECEIVED NOV

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Mthd	Disposal Date
002947256	LPB-4829-93	05GP41	LAB PACK	41		I	10/31/93

Total Containers : 1

ROLLINS ENVIRONMENTAL SERVICES (TX) INC
CERTIFICATE OF DISPOSAL

RECEIVED NOV

Disposal Methods :	
	'I' - Wast that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

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Please call (713) 930-2317 if there are any questions concerning the informati on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 11/10/93 CERTIFICATE OF DISPOSAL
RUN TIME : 4:43 PM

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059083	160669	TX00423744	10/05/93	11/09/93

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
LOS ALAMOS NM 87545
Attn: DAN OAKLEY MSJ587

RECEIVED NOV 16 93

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Mthd	Disposal Date
002947246	LPB-7970-93	55SD	DEBRIS	48		I	11/02/93
002947247	LPB-7969-93	55SD	DEBRIS	48		I	11/02/93
002947248	LPB-7093-93	55SD	DEBRIS	48		I	11/02/93
002947249	LPB-7094-93	55SD	DEBRIS	48		I	11/09/93
	Contents Only			48		I	11/02/93
002947250	LPB-6977-93	12PD	DEBRIS	48		I	10/31/93
	Total Containers :	5					

This completes the Certificates of Destruction per Manifest Number TX00423744.

Disposal Methods :	
	'I' - Waste that was incinerated.
	'L' - Waste that was landfilled.
Disposal Facility :	ROLLINS ENVIRONMENTAL SERVICES (TX) INC
	PO BOX 609
	DEER PARK TX 77536
EPA ID:	TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

RECEIVED NOV

cc: ROLLINS CHEMPAK DE

TEXAS WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

RECEIVED JAN 27 1994

165

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09/30/94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NM0890010515
Manifest Document No.: 83570
2. Page 1: 1 of 3
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
In Emergency see box # 15
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663 MSJ587
LOS ALAMOS, NM 87545-
4. Generator's Phone (505)667-7579 ATTN: DAN OAKLEY

A. State Manifest Document Number: 00423753
B. State Generator's ID: 99935

5. Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT
6. US EPA ID Number: DED980918858
C. State Transporter's ID:
D. Transporter's Phone: (713)930-4500

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536
10. US EPA ID Number: TXD055141378
G. State Facility's ID: HW-50089-001
H. Facility's Phone: (713)930-2300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	POLYCHLORINATED BIPHENYLS, ~~9, UN2315, PG III~~	001	DM	00050	K	117510
X	POLYCHLORINATED BIPHENYLS, 9, UN2315, PG III, RQ	001	DM	00034	K	117510
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PGIII, RQ	004	DM	01083	K	173880
X	POLYCHLORINATED BIPHENYLS, MIXTURE, 9, UN2315, PG III, RQ	001	DM	00036	K	177640

J. Additional Descriptions for Materials Listed Above
11a) H059080-40, PCB OIL
11b) H059080-40, PCB OIL
11c) H059081-14, PCB CAPACITORS
11d) H059083-48, PCB RAGS

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.#
D.O.T. Emergency Response #'s 11a. 31 11b. 31 11c. 31 11d. 31 LANL Emergency #(505)667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Daniel T. Oakley	Daniel T Oakley	12	22	93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Justin Shannon	Justin Shannon	12	22	93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Walker	[illegible]	12	29	93

TWC-0311 (Rev. 01/21/93) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2050-0039 Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST *(Continuation Sheet)*

21. Generator's US EPA ID No.	Manifest Document No.	22. Page	Information in the shaded areas is not required by Federal law.
NM0890010515	93570	2 of 3	

23. Generator's Name: In Emergency see box # 32
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663 MSJ587
LOS ALAMOS, NM 87545-
(505)667-7579 ATTN: DAN OAKLEY

L. State Manifest Document Number: 00423753

M. State Generator's ID: 99935

24 Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT

25. US EPA ID Number: TXD980991859

N. State Transporter's ID: 40756

O. Transporter's Phone: (713)930-4500

26. Transporter ____ Company Name:

27. US EPA ID Number:

P. State Transporter's ID:

Q. Transporter's Phone:

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29 Containers No	Type	30 Total Quantity	31 Unit Wt/Vol	R. Waste No.
a. NON-REGULATED WASTE, LIQUID	001	DM	00112	K	173140
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					

GENERATOR

S. Additional Descriptions for Materials Listed Above
28a HQ59084-19, NON-PCB CAPACITORS 28e
28b 28f
28c 28g
28d 28h

T. Handling Codes for Wastes Listed Above: M043

32. Special Handling Instructions and Additional Information
Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# D.O.T. Emergency Response #'s 28a. LANL EMERGENCY # 505-667-6211.
****

TRANSPORTER

33. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Justin Shannon	Justin Shannon	12 22 03

34. Transporter ____ Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

35. Discrepancy Indication Space

ROLLINS
ENVIRONMENTAL SERVICES

RECEIVED JAN 27 1994
RECEIVED JAN 27 1994
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PCB CONTINUATION-SHEET

: MANIFEST DOCUMENT NO: 006423753

PAGE 3 OF 3

:AL INFORMATION

ɔrmat has been prepared and offered ONLY as a convenience for our customer. However, the ation required is mandatory to be in compliance with EPA Regulations and RES (TX) Inc. . (Regulatory Reference: 40 CFR-Part 761)

B Continuation Sheet, if necessary, must accompany the Manifest. (Note: The required ation should be indicated in Section 15 of the Manifest, if space permits).

Manifest Document Number is indicated on the Manifest in Item 4 (8 digits). Please nce this number at the top of each continuation sheet.

1: Indicate RES (TX) Inc. Lab Reference Number (HO-XXXXX-XX) as indicated in Manifest Section 15.

2: Indicate Unique Identifying No. (Maximum of 10 Alpha-Numeric digits) as assigned by generator to EACH PCB article or container and as indicated on each PCB article or container via RES provided label.

3: Indicate type of PCB waste, i.e., transformer, capacitor, oil, debris, etc.

4: Indicate the Date of Removal from service for disposal as indicated on each PCB article or container.

5: Indicate the weight of each PCB article or container in KILOGRAMS only.

6: Indicate the proper PCB Waste Code, i.e, PCB 1 defined as PCB Articles, transformers, capacitors, etc. and PCB 2 defined as PCB Containers.

(1) IES (TX) INC. HO-NUMBER	(2) GENERATOR'S "UNIQUE IDENTIFYING NO." (MAXIMUM 10-DIGITS)	(3) TYPE OF PCB WASTE	(4) DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	(5) WEIGHT KILOGRAMS	(6) PCB WASTE CODE
59084-19	LPB-5684-93 ✓	Non-PCB Capacitor	6/15/93	112	1
59080-40	LPB-8096-93 ✓	PCB oil	10/5/93	50	2
59080-40	LPB-8093-93 ✓	PCB oil	10/5/93	34	2
59081-14	LPB-8497-93	Small PCB Capacitors	10/5/93	194	1
59081-14	LPB-8381-93	"	"	187	1
"	LPB-8747-93	"	10/28/93	332	1
"	LPB-9222-93	"	12/1/93	370	1
59083-48	LPB-9380-93 ✓	PCB Rags	12/14/93	36	2

ES 50-9-48

ROLLINS
ENVIRONMENTAL SERVICES (TX) INC.
P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

RECEIVED JAN 27 1994
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CONFIRMATION OF RECEIPT OF MANIFESTED WASTE

GENERATOR NAME/ADDRESS: Los Alamos National Laboratory
Los Alamos, NM

STATE MANIFEST DOCUMENT NO.: 0042375 3

DATE OF RECEIPT AT FACILITY: 12/29/93

Enclosed is your original, completely signed Manifest which indicates acceptance of material (with discrepancies as indicated, if any) by Rollins Environmental Services (TX) Inc.

Melvin Leffler
RES (TX), Inc.

1/25/94
Date

* *

LOS ALAMOS EMPLOYEE: LARRY HUPKE

DATE OF CONFIRMATION: 1-27-94

MANIFEST NUMBER: CO42 3753

DISPOSAL/STORAGE FACILITY: ROLLINS - DEERPARK, TEXAS

CONTACT NAME: MELVIN LEFFER

MEANS OF CONFIRMATION: Telephone, Fax, (Letter), Other _____

COMMENTS: 713 930-2300

Phone

FIGURE 4

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 2/22/94 CERTIFICATE OF DISPOSAL
RUN TIME : 1:22 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059084	163613	TX00423753	12/29/93	02/16/94

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
MS J587
LOS ALAMOS NM 87545
Attn: DAN OAKLEY

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
003043136	LPB-5684-93	30SD	NON PCB CAPACITORS	19		I	02/16/94
	Total Containers :	1					

RECEIVED FEB 2[illegible] 1994

RECEIVED FEB 28 1994

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 2/22/94 CERTIFICATE OF DISPOSAL
RUN TIME : 1:22 PM PAGE: 2

This completes the Certificates of Destruction per Manifest Number TX00423753.

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.
Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

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Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

cc: ROLLINS CHEMPAK DE

RECEIVED FEB 28 1994

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 2/22/94 CERTIFICATE OF DISPOSAL
RUN TIME : 1:22 PM PAGE: 1

Certificate of Disposal Name and Address	Stream Number	Order Number	Manifest Number	Received Date	Final Disposal
	059081	163613	TX00423753	12/29/93	02/16/94

LOS ALAMOS NATIONAL LABORATORY
P O BOX 1663
MS J587
LOS ALAMOS NM 87545
Attn: DAN OAKLEY

RECEIVED FEB 28 1994

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER Contents	Prod Code	SHP TO	Disposal Mthd	Disposal Date
003043066	LPB-8747-93	55SD	SMALL CAPS <9 LBS	14		I	02/16/94
003043067	LPB-9222-93	55SD	SMALL CAPS <9 LBS	14		I	02/16/94
003043068	LPB-8497-93	30SD	SMALL CAPS <9 LBS	14		I	02/16/94
003043069	LPB-8381-93	30SD	SMALL CAPS <9 LBS	14		I	02/16/94

Total Containers : 4

PROGRAM-ID: PTR1722C ROLLINS ENVIRONMENTAL SERVICES (TX) INC
RUN DATE : 2/22/94 CERTIFICATE OF DISPOSAL
RUN TIME : 1:22 PM PAGE: 2

This completes the Certificates of Destruction per Manifest Number TX00423753.

Disposal Methods :
'I' - Waste that was incinerated.
'L' - Waste that was landfilled.

Disposal Facility : ROLLINS ENVIRONMENTAL SERVICES (TX) INC
PO BOX 609
DEER PARK TX 77536
EPA ID: TXD055141378

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Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

RECEIVED FEB 28 1994

cc: ROLLINS CHEMPAK DE

RSWD

L92000931

12-16-92

JC1 1. Waste Originator Information

Date (MM,DD,YY)	Group	TA	Building	Wing	Mail Stop	Telephone	Certified WS No.
12/16/92	~~HM00~~	03	SM22		A-199	7-0104	NA

Generator No.	Waste Stream No.	Cost Code	Program Code	WMC No.
0191610419	JC-1016	0107104	U803	K-1WC0Y3

2. Waste Characterization and Packaging Information 12-16-92

Waste Profile Request No.	Hazardous Materials Transfer Form	Waste Code	
01031791	HM No. 00642	1719	☐ Actual Rad ☐ Mixed Waste ☐ Suspect Rad ☒ Non-Rad

Total Waste Volume		Estimated Weight		Serial No.	Is this a dumpster?	
17115.	☐ Meters³ ☐ Feet³ ☒ Gallons	319010.	☐ Kilograms ☒ Pounds ☐ Tons	12-16-92 ~~N/A~~ 003632	☐ Yes ☒ No	If yes, ☐ Compactible ☐ Non-Compactible Dumpster No.

Waste Description

PCB CONTAMINATED SOIL.

Radiation Exposure Rate ☐ R/hr ☐ mR/hr

C & D Form Numbers

Comments

Package Codes*: 11 - Bulk (unpackaged); 12 - Wooden crate; Drum; - Cardboard box; 15 - Plastic bag; 16 - Steel box; 17 - Shield cask; 18 - Other (specify below)

Package Code*	Package Volume (Individual Package)	Volume Units**	Number of Packages	Total Vol. of Package Type (Pkg. Vol. X No. of Pkgs.)	Volume Units**
013	15510.	G	113	17115.	G

Volume Units**: M = Meters³, F = Feet³, G = Gallons

Radionuclide	Amount	Units+	Uncertainty	Method++	SS - ct.	Prep. Code
	E +/-		+/- %			
	E +/-		+/- %			
	E +/-		+/- %			
	E +/-		+/- %			
	E +/-		+/- %			
	E +/-		+/- %			
	E +/-		+/- %			
	E +/-		+/- %			

+Units: C = Cunes M = Grams

++Methods: A = Analysis M = Measurement C = Calculation E = Estimation

3. Waste Certification

GENERATOR CERTIFICATION STATEMENT: My signature certifies that the waste is as described here and on the attached Waste Profile Request form. Waste meets all applicable acceptance criteria for storage or disposal criteria listed in Administrative Requirement 10-2, "Low-Level Radioactive Solid Waste," and in "Waste Acceptance Criteria for Low-Level Radioactive Waste Disposal at TA-, Area G."

Generator's Name (Print)	Signature	Z Number	Date
Michael Bailey	Michael Bailey	09649	12-16-92

WASTE MANAGEMENT COORDINATOR STATEMENT: My signature certifies that all information on this form has been reviewed and is correct to the best of my knowledge.

Waste Management Coordinator's Name (Print)	Signature	Z Number	Date
ROBERT K GEORGIEFF		07496(	12-16-92

iis Page For EM-7 Use Only

RSW1075

L92000931

4. EM-7 Approval (*No waste can be accepted without approval signature*)

APPROVAL STATEMENT: My signature certifies that the waste described on this application is acceptable, AS DESCRIBED, for storage or disposal by EM-7.

Approver's Name (*Print or Stamp*)	Signature	Date Approved
J. MILTON - Hughes		12-16-92

Position

- ☐ MAIN Shaft
- ☐ Bay Shaft
- ☐ PCB Shaft
- ☐ MWI Storage Shaft
- ☐ Other _____
- ☐ Low-Level H3 Shaft
- ☐ High-Level H3 Shaft
- ☒ Animal Tissue Shaft
- ☐ MFP Shaft
- ☐ HEPA Filter Shaft
- ☐ Source Shaft
- ☐ Powder Shaft
- ☐ Holding Shed
- ☐ MW H3 Shed
- ☐ Compactor
- ☒ LLW Pit
- ☐ Asbestos Pit
- ☐ MW Storage Dome
- ☐ Certifiable TRU Dome
- ☐ Uncertified TRU Storage

5. Receiving Site Information

Date Waste Received	(MM,DD,YY) 0 4 0 8 9 3
Actual Volume	1 7 1 5 ☐ Meters³ ☐ Feet³ ☒ Gallons
Gross Weight (lbs)	2 8 1 1 6 0
Tare Weight (-)	2 0 2 1 0 0
Net Weight	1 7 9 6 0 0

Vehicle Code
- ☐ Dumpster (01)
- ☐ Dump truck (02)
- ☐ Flatbed (03)
- ☐ Pickup (04)
- ☐ Shield cask (05)
- ☐ EM-7 truck (06)
- ☐ Other (*specify below*) (07)

Treatment Code
- ☐ Compaction (01)
- ☐ Incineration (02)
- ☐ Other (03)
- ☐ None (04)

Exposure Rate Contact: 0.0 mR/hr

Exposure Rate at 1 Meter: 0.0 mR/hr

Number of HSWDs on this load: 1 RA

Driver's Signature	HS-1 Monitor's Signature (*TA-54*)	Non-Conformance?	Non-Conformance Report No.
	Jamal T. Milan	☒ No ☐ Yes	

6. Compaction Information

Bale No.	Compaction Date (MM,DD,YY)	Bale Volume (M³)	Comments

7. Disposal Location Information

Disposal Date (MM,DD,YY)	Area	Shaft	Pit	Transit Sequence No.	Pad	Layer	Position
0 4 0 8 9 3	G	N/A	37	N/A	37138	9	5

8. Storage Location Information

Storage Date (MM,DD,YY)	Area	Shaft	Building	Column	Layer	Row	Pad	Position	Layer	Position

9. Director of Disposal Operations

DIRECTOR OF DISPOSAL OPERATIONS CERTIFICATION: My signature certifies that all waste receiving, storage, and/or disposal requirements were met.

Director of Disposal or Storage Operations (*Print*)	Signature	Date
Rudy Archuleta	Rudy Archuleta	4-8-93

Screened Paperwork (Initial): R.A.

Supervised Disposal (Initial): R.A.

10. Data Management Information

Date Entered in Logbook (MM,DD,YY)	Date Entered in Database (MM,DD,YY)	Date Entry Verified (MM,DD,YY)
0 4 0 8 9 3	CH 4 8 9 3	04 15 19 3
Initial: R.A.	Initial: K.H.	Initial: CH

OK CAL 4-8-93

4-14-93

RSWD

L93000015

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1. Waste Originator Information

Date (MM,DD,YY)	Group	TA	Building	Wing	Mail Stop	Telephone	Certified WS No.
12/11/92	P-4	35	87		E534	7-4649	N/A

Generator No.	Waste Stream No.	Cost Code	Program Code	WMC No.
0170191719	P019	8704	L322	PWC07

2. Waste Characterization and Packaging Information

78 gm 1-793

Waste Profile Request No.	Hazardous Materials Transfer Form	Waste Code		
10135216	HM No. 01870 CAL	310	☐ Actual Rad ☒ Suspect Rad	☐ Mixed Waste ☐ Non-Rad

Total Waste Volume		Estimated Weight		Serial No.	Is this a dumpster?
1 1 1 2.0	☐ Meters³ ☒ Feet³ ☐ Gallons	1 1 1 5 1 0.0	☐ Kilograms ☒ Pounds ☐ Tons		☐ Yes ☒ No If yes, ☐ Compactible ☐ Non-Compactible Dumpster No.

Waste Description

Vacuum Pump, Sargent Welch, P/N 298184. Note: This pump is part of a vacuum chamber test system. RSWD for that system is attached ENV-E PR ID # 94.2227.

Radiation Exposure Rate: ☐ R/hr ☐ mR/hr

C & D Form Numbers: ~~[illegible]~~ 16720 CAL

Comments: Vacuum Pump oil contained PCB's (149.6 UG/G), but oil will be drained and cavity filled with absorbent material. (Contamination is less than 500 ppm.)

Package Codes*	Package Code*	Package Volume (Individual Package)	Volume Units**	Number of Packages	Total Vol. of Package Type (Pkg. Vol. X No. of Pkgs.)	Volume Units**
1 - Bulk (unpackaged)						
2 - Wooden crate	01	2.0	F	1	2.0	F
3 - Drum						
4 - Cardboard box						
5 - Plastic bag						
6 - Steel box						
7 - Shield cask						
8 - Other (specify below)						

Volume Units**: M = Meters³, F = Feet³, G = Gallons

Radionuclide	Amount		Units+	Uncertainty	Method++	SS Acc...	... Code
H3	. E +/-			+/- . %			
	. E +/-			+/- . %			
	. E +/-			+/- . %			
	. E +/-			+/- . %			
	. E +/-			+/- . %			
	. E +/-			+/- . %			
	. E +/-			+/- . %			
	. E +/-			+/- . %			

+Units: C = Curies M = Grams

++Methods: A = Analysis M = Measurement C = Calculation E = Estimation

3. Waste Certification

GENERATOR CERTIFICATION STATEMENT: My signature certifies that the waste is as described here and on the attached Waste Profile Request form. Waste meets all applicable acceptance criteria for storage or disposal criteria listed in Administrative Requirement 10-2, "Low-Level Radioactive Solid Waste," and in "Waste Acceptance Criteria for Low-Level Radioactive Waste Disposal at TA-54, Area G."

Generator's Name (Print)	Signature	Z Number	Date
Eugene C. Diedrich	Eugene C. Diedrich	070979	12/21/92

WASTE MANAGEMENT COORDINATOR STATEMENT: My signature certifies that all information on this form has been reviewed and is correct to the best of my knowledge.

Waste Management Coordinator's Name (Print)	Signature	Z Number	Date
Wayne K. Thorn	Wayne K. Thorn	053245	12/21/92

This Page For EM-7 Use Only

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RSWD

L93000015

L.G.

NDF has been Extended as per Julie Minton Hughes

4. EM-7 Approval (No waste can be accepted without approval signature)

EM-7 APPROVAL STATEMENT: My signature certifies that the waste described on this application is acceptable, AS DESCRIBED, for storage or disposal by EM-7.

EM-7 Approver's Name (Print or Stamp)	Signature	Date Approved
J Minton-Hughes	Julie Minton Hughes	1-7-93

Disposition

- [ ] MAP Shaft
- [ ] Be Shaft
- [ ] PCB Shaft
- [ ] MW Storage Shaft
- [ ] Other _____
- [ ] Low-Level H3 Shaft
- [ ] High-Level H3 Shaft
- [ ] Animal Tissue Shaft
- [ ] MFP Shaft
- [ ] HEPA Filter Shaft
- [ ] Source Shaft
- [ ] Powder Shaft
- [ ] Holding Shed
- [ ] MW H3 Shed
- [ ] Compactor
- [x] LLW Pit
- [ ] Asbestos Pit
- [ ] MW Storage Dome
- [ ] Certifiable TRU Dome
- [ ] Uncertified TRU Storage

5. Receiving Site Information

Date Waste Received (MM,DD,YY)	07/12/93
Actual Volume CAL	58.8 ☐ Meters³ ☐ ~~Feet³~~ ☐ Gallons
Gross Weight (lbs)	130200
Tare Weight lbs	105200
Net Weight lbs	25000

Number of RSWDs on this load 3 CAL

Vehicle Code
- [ ] Dumpster (01)
- [x] ~~Dump truck~~ (02)
- [ ] Flatbed (03)
- [ ] Pickup (04)
- [ ] Shield cask (05)
- [ ] EM-7 truck (06)
- [ ] Other (*specify below*) (07) _____

Treatment Code
- [ ] Compaction (01)
- [ ] Incineration (02)
- [ ] Other (03)
- [x] ~~None~~ (04)

Exposure Rate Contact 12 mR/hr

Exposure Rate at 1 Meter 12 mR/hr

Driver's Signature	HS-1 Monitor's Signature (TA-54)	Non-Conformance?	Non-Conformance Report No.
Paul Montoya	J.T. Miller	[x] No [ ] Yes	

6. Compaction Information

Bale No.	Compaction Date (MM,DD,YY)	Bale Volume (M³)	Comments

7. Disposal Location Information

Disposal Date (MM,DD,YY)	Area	Shaft	Pit	Transit Sequence No.	Post(s)	Layer	Position
07/13/93	G		37		13+14	9	C

8. Storage Location Information

Storage Date (MM,DD,YY)	Area	Shaft	Building	Column	Layer	Row	Pad	Post(s)	Layer	Position

9. Director of Disposal Operations

DIRECTOR OF DISPOSAL OPERATIONS CERTIFICATION: My signature certifies that all waste receiving, storage, and/or disposal requirements were met.

Director of Disposal or Storage Operations (Print)	Signature	Date
CHARLES A. LEHMAN JR	Charles A. Lehman Jr.	7-12-93

Screened Paperwork CAL 7/12/93 (Initial)

Supervised Disposal CAL 7-13-93 (Initial)

10. Data Management Information

Date Entered in Logbook (MM,DD,YY)	Date Entered in Database (MM,DD,YY)	Date Entry Verified (MM,DD,YY)
07/13/93	07/15/93	07/16/93
Initial C.A. LEHMAN	Initial [signature]	Initial CY

OK R.A.

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

WASTE PROFILE REQUEST

HSE-8 USE ONLY
Reference Number
03526

mplete both sides of this form using a black or blue pen. Inadequate information will result in processing delays.
nd completed form to: ATTN: WPRF, MS K490

vision/Group	Telephone	Mail Stop	Technical Area	Building	Room
P-4	7-4649	E554	35	87	123

☒ Knowledge of Process
☐ MSDS Attached

☒ Chemical/Physical Analyses (Specify Below)
☐ Request For Analysis ☒ Analysis Attached

hoose one or more of the items below which best describes your waste:

☐ Flammable	☐ Pesticide	☐ Photographic	☐ Spent Coolant	☐ Plastics
☐ Combustible	☐ Beryllium	☐ Sanitary	☐ Aerosol Cans	☐ Filter Media
☐ High Explosive	☐ Asbestos	☐ Radiochemistry	☐ Motor Oil	☐ Vacuum Filter Sludge
☐ Oxidizer	☐ Solvent	☐ Paint Waste	☒ Pump Oil	☐ Cement Paste
☐ Pyrophoric	☐ Waste Rags	☐ Laboratory Trash	☐ Capacitor Oil	☐ Non-Salvageable
☐ Cyanide	☐ Glass	☐ Metallurgic	☐ UST Remediation	☐ Non-Recyclable
☐ Heavy Metal	☐ Plating Solution	☒ Scrap Metal	☐ Soils	☐ Building Debris
☐ Corrosive	☐ Etchant	☐ Medical/Biological	☐ Environmental	☐ Firing Site Debris

Additional Description (Optional)
Vacuum Chamber with Stand, Piping, Vacuum Valve + 2 ea Vacuum Pumps.
149.6 ppm (<5 ppm - non PCB)
(P/N 298184 & 287563). Vacuum Pump #298184 is PCB + Beta Contaminated

5/21/91
EM-8 5.2288

General Description Of Waste (check at least one block for each column):

FORM
- ☒ Solid
- ☐ Cemented Sludge
- ☐ Semi-Solid/Sludge
- ☒ Absorbed Liquid
- ☐ Liquid
- ☐ Gas
- ☐ Multi-Layer
- ☐ Suspended Solids
- ☐ Powder or Ash

FLASH POINT (°F)
- ☐ Less Than 100
- ☐ 100 to 139
- ☐ 140 to 200
- ☐ Greater Than 200
- ☒ None

pH
- ☐ 2.0 or Less
- ☐ 2.1 to 12.4
- ☐ 12.5 or Greater
- ☒ Not Applicable

REACTIVITY
- ☐ Unstable
- ☐ Reacts With Water
- ☐ Cyanides
- ☐ Sulfides
- ☐ Shock Sensitive
- ☐ Class A or B Explosive
- ☒ Non-Reactive

✓PCBs
- ☐ <50 ppm
- ☒ 50-500 ppm
- ☐ >500 ppm
- ☐ No PCBs

Indicate Known Radioactivity Of Your Waste:
☐ Not Radioactive (Go To Next Section)

- ☒ < 2.0 nCi/g
- ☐ > 2.0 nCi/g
- ☐ > 10.0 nCi/g
- ☐ > 100.0 nCi/g

- ☐ Alpha
- ☒ Beta
- ☐ Gamma
- ☐ Tritium

Analysis Attached

List Known Radioisotopes:
☐ Determined By Assay ☐ Determined By Estimate

Radioisotope 1. _____ Activity/Unit of Measure _____
Radioisotope 2. _____ Activity/Unit of Measure _____
Radioisotope 3. _____ Activity/Unit of Measure _____
Radioisotope 4. _____ Activity/Unit of Measure _____

GENERATOR CERTIFICATION

Based upon my knowledge of the waste, and/or chemical/physical analysis, I certify that the information provided regarding the waste specified on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Print Generator's Name (Last, First MI)	Z Number	Generator's Signature	Date
Diedrich, Eugene C.	070979	Eugene C. Diedrich	5/1/92

If your Group's Waste Coordinator is the custodian of your waste management documentation, provide the name and mail stop of this person (optional).	Print Group Waste Coordinators Name (Last, First MI)	Mail Stop
	Thorn, Wayne K	E-554

RECEIVED MAY 20 1992

REPORT NUMBER: 13715

********** EM-9 ANALYTICAL REPORT **********

Prepared by: DLN on 25-Sep-1991

POLYCHLORINATED BIPHENYLS

REQUEST NUMBER: 12009 MATRIX: MOL ANALYST: Waverly Braunstein PROGRAM CODE: WH54

OWNER: Daniel E. Bryant GROUP: EM-7 MAIL-STOP: E518 PHONE: 5-3081

SUMMARY of TOTAL PCB's for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
35-125-229	91.09379	1336363	< 5.		UG/G	9/19/91		Mixed-Aroclor
35-87-230	91.09380	1336363	64.	13.6	UG/G	9/19/91		Mixed-Aroclor
35-87-231	91.09381	1336363	< 5.		UG/G	9/19/91		Mixed-Aroclor
35-125-232	91.09382	1336363	149.6	38.57	UG/G	9/19/91		Mixed-Aroclor

DETAILED PCB DATA for customer samples on this report

CUSTOMER NUM	SAMPLE NUM	ANALYSIS	RESULT	UNCERTAINTY	UNITS	COMPLETION DATE	COMMENT	COMPOUND NAME
35-125-229	91.09379	1336363	< 5.		UG/G	9/19/91		Mixed-Aroclor
35-125-229	91.09379	53469219	< 5.		UG/G	9/19/91		Aroclor 1242
35-125-229	91.09379	11097691	< 5.		UG/G	9/19/91		Aroclor 1254
35-125-229	91.09379	11096825	< 5.		UG/G	9/19/91		Aroclor 1260
35-87-230	91.09380	1336363	64.	13.6	UG/G	9/19/91		Mixed-Aroclor
35-87-230	91.09380	53469219	37.	11.	UG/G	9/19/91		Aroclor 1242
35-87-230	91.09380	11097691	27.	8.	UG/G	9/19/91		Aroclor 1254
35-87-230	91.09380	11096825	< 5.		UG/G	9/19/91		Aroclor 1260
35-87-231	91.09381	1336363	< 5.		UG/G	9/19/91		Mixed-Aroclor
35-87-231	91.09381	53469219	< 5.		UG/G	9/19/91		Aroclor 1242

180

Metals (indicate whether the following heavy metals exist in your waste, at the posted concentration):

	None			KOP	Analysis	TCLP	Other
ic	☒	☐ < 5.0 ppm	☐ ≥ 5.0 ppm	☐	☐ →	☐	☐
	☐	☐ < 100.0 ppm	☐ ≥ 100.0 ppm	☐	☐ →	☐	☐
ium	☐	☐ < 1.0 ppm	☐ ≥ 1.0 ppm	☐	☐ →	☐	☐
mium	☐	☐ < 5.0 ppm	☐ ≥ 5.0 ppm	☐	☐ →	☐	☐
	☐	☐ < 5.0 ppm	☐ ≥ 5.0 ppm	☐	☐ →	☐	☐
cury	☐	☐ <0.2 ppm	☐ ≥ 0.2 ppm	☐	☐ →	☐	☐
el	☐	☐ <134.0 ppm	☐ ≥ 134.0 ppm	☐	☐ →	☐	☐
nium	☐	☐ < 1.0 ppm	☐ ≥ 1.0 ppm	☐	☐ →	☐	☐
r	☐	☐ < 5.0 ppm	☐ ≥ 5.0 ppm	☐	☐ →	☐	☐
lium	☑	☐ <130.0 ppm	☐ ≥ 130.0 ppm	☐	☐ →	☐	☐

ic Compounds (indicate if the following organic compounds exist in your waste, at the posted concentration):

	None			KOP	Analysis	TCLP	Other
zene	☒	☐ < 0.5 ppm	☐ ≥ 0.5 ppm	☐	☐ →	☐	☐
on Tetrachloride	☐	☐ <0.5 ppm	☐ ≥ 0.5 ppm	☐	☐ →	☐	☐
robenzene	☐	☐ < 100.0 ppm	☐ ≥ 100.0 ppm	☐	☐ →	☐	☐
roform	☐	☐ <6.0 ppm	☐ ≥ 6.0 ppm	☐	☐ →	☐	☐
sol	☐	☐ < 200.0 ppm	☐ ≥ 200.0 ppm	☐	☐ →	☐	☐
-Dichlorobenzene	☐	☐ < 7.5 ppm	☐ ≥ 7.5 ppm	☐	☐ →	☐	☐
-Dichloroethane	☐	☐ < 0.5 ppm	☐ ≥ 0.5 ppm	☐	☐ →	☐	☐
-Dichloroethylene	☐	☐ < 0.7 ppm	☐ ≥ 0.7 ppm	☐	☐ →	☐	☐
-Dinitrotoluene	☐	☐ < 0.13 ppm	☐ ≥ 0.13 ppm	☐	☐ →	☐	☐
achlorobenzene	☐	☐ < 0.13 ppm	☐ ≥ 0.13 ppm	☐	☐ →	☐	☐
achlorobutadiene	☐	☐ < 0.5 ppm	☐ ≥ 0.5 ppm	☐	☐ →	☐	☐
achloroethane	☐	☐ < 3.0 ppm	☐ ≥ 3.0 ppm	☐	☐ →	☐	☐
thyl Ethyl Ketone	☐	☐ < 200.0 ppm	☐ ≥ 200.0 ppm	☐	☐ →	☐	☐
obenzene	☐	☐ < 2.0 ppm	☐ ≥ 2.0 ppm	☐	☐ →	☐	☐
tachlorophenol	☐	☐ < 100.0 ppm	☐ ≥ 100.0 ppm	☐	☐ →	☐	☐
idine	☐	☐ < 5.0 ppm	☐ ≥ 5.0 ppm	☐	☐ →	☐	☐
achloroethylene	☐	☐ < 0.7 ppm	☐ ≥ 0.7 ppm	☐	☐ →	☐	☐
loroethylene	☐	☐ < 0.5 ppm	☐ ≥ 0.5 ppm	☐	☐ →	☐	☐
5-Trichlorophenol	☐	☐ < 400.0 ppm	☐ ≥ 400.0 ppm	☐	☐ →	☐	☐
,6-Trichlorophenol	☐	☐ < 2.0 ppm	☐ ≥ 2.0 ppm	☐	☐ →	☐	☐
yl Chloride	☑	☐ < 0.2 ppm	☐ ≥ 0.2 ppm	☐	☐ →	☐	☐

CK ONE

Additional hazardous components in the waste are listed below: ☒ There are no additional hazardous constituents in this waste

Compound Name	Concentration	Compound Name	Concentration
		5.	
		6.	
		7.	
		8.	

HSE-8/HSE-7 USE ONLY (Do Not Write Below This Line)

TE CLASSIFICATION

Non-Radioactive, Non-Hazardous
- ☐ Solid Waste
- ☐ Non-Regulated Chemical Waste
- ☐ Sanitary Waste
- ☐ Other Non-Disposable Waste

☑ Radioactive
- ☑ Low-Level Radioactive Waste
- ☐ Transuranic Waste
- ☐ Special Nuclear Material

☐ Hazardous or Mixed
- ☐ Hazardous Waste
- ☐ Mixed Low-Level Waste
- ☐ Mixed Transuranic Waste

zardous or Mixed Waste Codification:

Code 1	Waste Code 2	Waste Code 3	Waste Code 4	Waste Code 5	Waste Code 6	Waste Code 7

eviewer's Signature	Date	Cost Center/ProgramCode For HSE Analysis Backcharge
	5-21-92	

RSWD

L93000346

1. Waste Originator Information

Date (MM.DD.YY)	Group	TA	Building	Wing	Mail Stop	Telephone	Certified WS No
05/25/93	ENG-1	03	SM-22		M-721	7-3322	N

Generator No.	Waste Stream No.	Cost Code	Program Code	WMC No.
0181212010	ENG014	4608	M-101	JCLWC01

2. Waste Characterization and Packaging Information

Waste Profile Request No.	Hazardous Materials Transfer Form	Waste Code	
10181914	HM No. 01563	1719	☐ Actual Rad ☐ Suspect Rad ☐ Mixed Waste ☒ Non-Rad

Total Waste Volume		Estimated Weight		Serial No.	
215161	☐ Meters³ ☒ Feet³ ☐ Gallons	18,000	☐ Kilograms ☒ Pounds ☐ Tons		Is this a dumpster? ☐ Yes ☒ No If yes, ☐ Compactible ☐ Non-Compactible Dumpster No.

Waste Description: PCB CONTAMINATED SOIL

Radiation Exposure Rate: ☐ R/hr ☐ mR/hr

C & D Form Numbers:

Comments:

Package Codes*	Package Code*	Package Volume (Individual Package)	Volume Units**	Number of Packages	Total Vol. of Package Type (Pkg. Vol. X No. of Pkgs.)	Volume Units**
11 - Bulk (unpackaged)						
12 - Wooden crate	012	10	F	14	2156	F
13 - Drum						
14 - Cardboard box						
15 - Plastic bag						
16 - Steel box						
17 - Shed case						
18 - Other (specify below)						

Volume Units**: M = Meters³ F = Feet³ G = Gallons

Radionuclide	Amount		Units+	Uncertainty	Method++	[illegible] Code
21 Bq	E +/-			+/- %		
	E +/-			+/- %		
	E +/-			+/- %		
	E +/-			+/- %		
	E +/-			+/- %		
	E +/-			+/- %		
	E +/-			+/- %		
	E +/-			+/- %		

+Units: C = Curies M = Grams

++Methods: A = Analysis M = Measurement C = Calculation E = Estimation

3. Waste Certification

GENERATOR CERTIFICATION STATEMENT: My signature certifies that the waste is as described here and on the attached Waste Profile Request form. Waste meets all applicable acceptance for storage or disposal criteria listed in Administrative Requirement 10-2, "Low-Level Radioactive Solid Waste," and in "Waste Acceptance Criteria for Low-Level Radioactive Waste Disposal at TA-54, Area G."

Generator's Name (Print)	Signature	Z Number	Date
HENRY D NUNES	[signature]	082201	5/25/93

WASTE MANAGEMENT COORDINATOR STATEMENT: My signature certifies that all information on this form has been reviewed and is correct to the best of my knowledge.

Waste Management Coordinator's Name (Print)	Signature	Z Number	Date
ROBERT K GRANJEAN	[signature]	074966	5/25/93

Disposal Facility Sites [redacted]

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RSWD

L93000346

This Page For EM-7 Use Only

Note: this waste is approved for the pit

4. EM-7 Approval (*No waste can be accepted without approval signature.*)

EM-7 APPROVAL STATEMENT: My signature certifies that the waste described on this application is acceptable, AS DESCRIBED, for storage or disposal by EM-7.

EM-7 Approver's Name (*Print or Stamp*)	Signature	Date Approved
Dave Miller	[signature]	6-4-93

Disposition

- [ ] MAP Shaft
- [ ] Be Shaft
- [ ] PCB Shaft
- [ ] MW Storage Shaft
- [ ] Other ______
- [ ] Low-Level H3 Shaft
- [ ] High-Level H3 Shaft
- [ ] Animal Tissue Shaft
- [ ] MFP Shaft
- [ ] HEPA Filter Shaft
- [ ] Source Shaft
- [ ] Powder Shaft
- [ ] Holding Shed
- [ ] MW H3 Shed
- [ ] Compactor
- [x] LLW Pit
- [ ] Asbestos Pit
- [ ] MW Storage Dome
- [ ] Certifiable TRU Dome
- [ ] Uncertified TRU Storage

5. Receiving Site Information

Date Waste Received (MM,DD,YY)	06 21 93
Actual Volume	2516 ☐ Meters³ ☒ Feet³ ☐ Gallons
Gross Weight (lbs)	21 6 6 2 0.
Tare Weight (-)	1 2 0 4 0.
Net Weight	1 4 5 8.0

Vehicle Code
- [ ] Dumpster (01)
- [ ] Dump truck (02)
- [x] Flatbed (03)
- [ ] Pickup (04)
- [ ] Shield cask (05)
- [ ] EM-7 truck (06)
- [ ] Other (*specify below*) (07)

Treatment Code
- [ ] Compaction (01)
- [ ] Incineration (02)
- [ ] Other (03)
- [x] None (04)

Exposure Rate Contact: N/A mR/hr

Exposure Rate at 1 meter: N/A mR/hr

Number of RSWDs on this load: 1 RSWD R.A.

Driver's Signature	HS-1 Monitor's Signature (*TA-54*)	Non-Conformance?	Non-Conformance Report No.
Thomas Frazier .080127	R. B.	☐ No ☒ Yes	153

6. Compaction Information

Bale No.	Compaction Date (MM,DD,YY)	Bale Volume (M³)	Comments

7. Disposal Location Information

Disposal Date (MM,DD,YY)	Area	Shaft	Pit	Transit Sequence No.	Post(s)	Layer	Position
06 22 93	G	N/A	37	N/A	23 25	10	N

8. Storage Location Information

Storage Date (MM,DD,YY)	Area	Shaft	Building	Column	Layer	Row	Pad	Post(s)	Layer	Position

9. Director of Disposal Operations

DIRECTOR OF DISPOSAL OPERATIONS CERTIFICATION: My signature certifies that all waste receiving, storage, and/or disposal requirements were met.

Director of Disposal or Storage Operations (*Print*)	Signature	Date
Rudy Archuleta	[signature]	6-22-93

10. Data Management Information

Screened Paperwork (Initial): R.A.

Supervised Disposal (Initial): R.A.

Date Entered in Logbook (MM,DD,YY)	Date Entered in Database (MM,DD,YY)	Date Entry Verified (MM,DD,YY)
06 22 93	06 29 93	06 28 93
Initial: R.A.	Initial: [initials]	Initial: CY

Ent'd DB on 6-29-93

RSWD

L93000614

1. Waste Originator Information

1853

Date (MM,DD,YY)	Group	TA	Building	Wing	Mail Stop	Telephone	Certified WS No.
080593	CLS5	35	67		E543	7-5345	NC

Generator No.	Waste Stream No.	Cost Code	Program Code	WMC No.
07515218	CLS037	7905	L412	CLSWC06

2. Waste Characterization and Packaging Information

Waste Profile Request No.: 15923

Hazardous Materials Transfer Form: HM No. 03625 CAL

Waste Code: 718

☐ Actual Rad ☐ Suspect Rad ☐ Mixed Waste ☒ Non-Rad

Total Waste Volume: 3.0 ☒ Meters³ ☐ Feet³ ☐ Gallons

Estimated Weight: 5000 ☐ Kilograms ☒ Pounds ☐ Tons

Serial No.: D04487

Is this a dumpster? ☐ Yes ☒ No

If yes, ☐ Compactible ☐ Non-Compactible

Dumpster No.:

Waste Description: 5' x 4" x 4"

(two pcs's) 27 cm, DOE ID # 93-9471

Radiation Exposure Rate: ☐ R/hr ☐ mR/hr

C & D Form Numbers

Comments: THIS is A COMPLETE UNIT of 4" Pipe, FLANGES, MOTOR + STAND

Package Codes*	Package Code*	Package Volume (Individual Package)	Volume Units**	Number of Packages	Total Vol. of Package Type (Pkg. Vol. X No. of Pkgs.)	Volume Units**
11 - Bulk (unpackaged)						
12 - Wooden crate	08	3.0	M	1	3.0	M
17 - Drum					ACA 10-1-93	
Cardboard box						
20 - Plastic bag						
26 - Steel box						
27 - Shield cask						
28 - Other (specify below)						

Volume Units**: M = Meters³, F = Feet³, G = Gallons

PLUMBING + MOTOR

Radionuclide	Amount		Units+	Uncertainty	Method++	SS Acct.	Proj. Code
NONE	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			

+Units: C = Curies M = Grams

++Methods: A = Analysis M = Measurement C = Calculation E = Estimation

3. Waste Certification

GENERATOR CERTIFICATION STATEMENT: My signature certifies that the waste is as described here and on the attached Waste Profile Request form. Waste meets all applicable acceptance and storage or disposal criteria listed in Administrative Requirement 10-2, "Low-Level Radioactive Solid Waste," and in "Waste Acceptance Criteria for Low-Level Radioactive Waste Disposal at TA-54, Area G."

Generator's Name (Print)	Signature	Z Number	Date
GERALD A GALLEGOS	Gerald A. Gallegos	075528	8-6-93

WASTE MANAGEMENT COORDINATOR STATEMENT: My signature certifies that all information on this form has been reviewed and is correct to the best of my knowledge.

Waste Management Coordinator's Name (Print)	Signature	Z Number	Date
CHARLES LESTER	Charles Lester	100907	8-6-93

...ge For EM-7 Use Only

RSWD

L93000614

4. EM-7 Approval (*No waste can be accepted without approval signature*)

APPROVAL STATEMENT: My signature certifies that the waste described on this application is acceptable, AS DESCRIBED, for storage or disposal by EM-7.

EM-7 Approver's Name (*Print or Stamp*)	Signature	Date Approved
R. G. Britton	R. G. Britton	8-16-93

Disposition

☐ MAP Shaft	☐ Low-Level H3 Shaft	☐ Source Shaft	☒ LLW Pit
☐ Be Shaft	☐ High-Level H3 Shaft	☐ Powder Shaft	☐ Asbestos Pit
☒ PCB Shaft OK 9-14-93	☐ Animal Tissue Shaft	☐ Holding Shed	☐ MW Storage Dome
☐ MW Storage Shaft	☐ MFP Shaft	☐ MW H3 Shed	☐ Certifiable TRU Dome
☐ Other _____	☐ HEPA Filter Shaft	☐ Compactor	☐ Uncertified TRU Storage

5. Receiving Site Information

...Waste ...eived	(MM,DD,YY) 09 14 93
...al Volume	30 ☐ Meters³ ☐ Feet³ ☐ Gallons
...s Weight (lbs)	125800
... Weight (-) lbs	105200
... Weight lbs	20600

...ber of RSWDs on this load 1 CAL

Vehicle Code: ☐ Dumpster (01) ☒ Dump truck (02) ☐ Flatbed (03) ☐ Pickup (04) ☐ Shield cask (05) ☐ EM-7 truck (06) ☐ Other (*specify below*) (07)

Treatment Code: ☐ Compaction (01) ☐ Incineration (02) ☐ Other (03) ☒ None (04)

Exposure Rate Contact: ____.0 mR/hr

Exposure Rate at 1 Meter: ____.0 mR/hr

...r's Signature	HS-1 Monitor's Signature (*TA-54*)	Non-Conformance?	Non-Conformance Report No.
[signature]	G. T. Miller	☒ No ☐ Yes	

6. Compaction Information

... No.	Compaction Date (MM,DD,YY)	Bale Volume (M³)	Comments

7. Disposal Location Information

Disposal Date (MM,DD,YY)	Area	Shaft	Pit	Transit Sequence No.	Post(s)	Layer	Position
091493	G		37		36 37	9	N

8. Storage Location Information

Storage Date (MM,DD,YY)	Area	Shaft	Building	Column	Layer	Row	Pad	Post(s)	Layer	Position

9. Director of Disposal Operations

DIRECTOR OF DISPOSAL OPERATIONS CERTIFICATION: My signature certifies that all waste receiving, storage, and/or disposal requirements were met.

...ector of Disposal or Storage Operations (*Print*)	Signature	Date
CHARLES A. LEHMAN JR	Charles A. Lehman	9-14-93

...eened Paperwork: AL 9-14-93

...ervised Disposal: 9-14-93

10. Data Management Information

Date Entered in Logbook (MM,DD,YY)	Date Entered in Database (MM,DD,YY)	Date Entry Verified (MM,DD,YY)
091493	091593	092093
Initial C. A. LEHMAN	Initial [illegible]	Initial CY

OK K.A. 9-15-93

LOS ALAMOS NATIONAL LABORATORY

WASTE PROFILE FORM

L93-614

EM-8 USE ONLY
Reference Number 185 05923

Complete both sides of this form using a black or blue pen. Incomplete forms will be rejected. Send form to ATTN: WPF, MS K490.

Division/Group	Telephone	Mail Stop	Technical Area	Building	Room
CLS-5	7-5345	E543	35	67	W/house

Method of Characterization

- [x] Knowledge of Process (KOP)
- [ ] MSDS attached (optional)

- OR -

- [ ] Chemical/Physical Analysis (specify below)
- [ ] Request for analysis
- [ ] Analysis attached

Waste Categories *(Choose one or more of the categories below that most accurately describes your waste.)*

[ ] Flammable	[ ] Pesticide	[ ] Photographic	[ ] Spent coolant	[ ] Plastics
[ ] Combustible	[ ] Beryllium	[ ] Sanitary	[ ] Aerosol cans	[ ] Filter media
[ ] High explosive	[ ] Asbestos	[ ] Radiochemistry	[ ] Motor oil	[ ] Vacuum filter media
[ ] DOT oxidizer	[ ] Solvent	[ ] Paint waste	[ ] Pump oil	[ ] Cement paste
[ ] Pyrophoric	[ ] Waste rags	[ ] Laboratory trash	[ ] Capacitor oil	[x] Nonsalvageable
[ ] Cyanide	[ ] Glass	[ ] Metallurgic	[ ] UST remediation	[ ] Nonrecyclable
[x] Heavy metal	[ ] Plating solution	[ ] Scrap metal	[ ] Contaminated soils	[ ] Building debris
[ ] Corrosive	[ ] Etchant	[ ] Medical/Biological	[ ] Environmental/SWMU	[ ] Firing site debris

General Description *(Provide a general description of the waste and/or waste-generating process below.)*

OIL TRANSFER SYSTEM, R.H. ALEXANDER CO.
Model 182T SN/F250060 PCB# 92.3567176

Waste Description *(Check only one box in each column.)* PCB DE = 93-447 (267 ppm)

Form	Ignitability (F)	Corrosivity (pH)	Reactivity	PCBs
[x] Solid	[ ] < 100°	[ ] ≤ 2.0	[ ] Unstable	[ ] < 50 ppm
[ ] Semisolid/sludge	[ ] 100° to 139°	[ ] 2.1 to 12.4	[ ] Water reactive	[x] 50 to 500 ppm
[ ] Absorbed liquid	[ ] 140° to 200°	[ ] ≥ 12.5	[ ] Cyanides	[ ] > 500 ppm
[ ] Liquid	[ ] > 200°	[x] Not aqueous	[ ] Sulfides	[ ] None
[ ] Gas cylinder or vessel	[x] Not ignitable		[ ] Shock sensitive	
[ ] Multilayered			[ ] Class A or B explosive	
[ ] Suspended solids			[x] Nonreactive	
[ ] Powder or ash				

on DMG EM-8 6-1-93 5-2298

Waste Origination

A. Is this waste generated in a radiation controlled area? [ ] Yes [x] No

B. If yes, is the waste generated or accumulated in a properly defined, registered radioactive materials management area (RMMA)? (RMMA # _____) [ ] Yes [x] No

C. If the answer to question A is yes and you have determined that your waste is nonradioactive, provide justification in the additional comments section on the reverse side of this form.

Radioactivity [x] Nonradioactive

- [ ] Suspect
- [ ] Radioactive

Activity Measure: [ ] ≤2.0 nCi/g [ ] >2.0 nCi/g [ ] >10.0 nCi/g [ ] >100.0 nCi/g

Radiation Type: [ ] alpha ([ ] $t^{1/2}$ < 20 yr [ ] $t^{1/2}$ ≥ 20 yr) [ ] beta [ ] gamma [ ] tritium

WASTE GENERATOR CERTIFICATION: *Based on my knowledge of the waste and/or chemical/physical analysis, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.*

Waste Generator's Name (last, first, middle)	Z Number	Signature	Date
GERALD GALLEGOS	75528	Gerald G. Gallegos	5/27/93

If your waste management coordinator is the custodian of your waste management documentation, provide the name and mail stop of this person (optional). —>

Name (last, first, middle)	Mail Stop
CHARLES LESTER	E543

Form 1346 (9/92) *Complete Reverse Side* Page 1 of 2

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LL5-617

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Toxic Metals *(Indicate if any of the following toxic metals are present in your waste at the posted concentrations.)*

arsenic	☒ None	☐ <5.0 ppm	☐ ≥5.0 ppm	☐ TCLP	☐ Other
barium	☒ None	☐ <100.0 ppm	☐ ≥100.0 ppm	☐ TCLP	☐ Other
cadmium	☒ None	☐ <1.0 ppm	☐ ≥1.0 ppm	☐ TCLP	☐ Other
chromium	☒ None	☐ <5.0 ppm	☐ ≥5.0 ppm	☐ TCLP	☐ Other
lead	☒ None	☐ <5.0 ppm	☐ ≥5.0 ppm	☐ TCLP	☐ Other
mercury	☒ None	☐ <0.2 ppm	☐ ≥0.2 ppm	☐ TCLP	☐ Other
nickel	☒ None	☐ <134.0 ppm	☐ ≥134.0 ppm	☐ TCLP	☐ Other
selenium	☒ None	☐ <1.0 ppm	☐ ≥1.0 ppm	☐ TCLP	☐ Other
silver	☒ None	☐ <5.0 ppm	☐ ≥5.0 ppm	☐ TCLP	☐ Other
thallium	☒ None	☐ <130.0 ppm	☐ ≥130.0 ppm	☐ TCLP	☐ Other

Organic Compounds *(Indicate if any of the following organic compounds are present in your waste at the posted concentrations.)*

benzene	☒ None	☐ <0.5 ppm	☐ ≥0.5 ppm	☐ TCLP	☐ Other
carbon tetrachloride	☒ None	☐ <0.5 ppm	☐ ≥0.5 ppm	☐ TCLP	☐ Other
chlorobenzene	☒ None	☐ <100.0 ppm	☐ ≥100.0 ppm	☐ TCLP	☐ Other
chloroform	☒ None	☐ <6.0 ppm	☐ ≥6.0 ppm	☐ TCLP	☐ Other
cresol	☒ None	☐ <200.0 ppm	☐ ≥200.0 ppm	☐ TCLP	☐ Other
1,4-dichlorobenzene	☒ None	☐ <7.5 ppm	☐ ≥7.5 ppm	☐ TCLP	☐ Other
1,2-dichloroethane	☒ None	☐ <0.5 ppm	☐ ≥0.5 ppm	☐ TCLP	☐ Other
1,1-dichloroethylene	☒ None	☐ <0.7 ppm	☐ ≥0.7 ppm	☐ TCLP	☐ Other
2,4-dinitrotoluene	☒ None	☐ <0.13 ppm	☐ ≥0.13 ppm	☐ TCLP	☐ Other
hexachlorobenzene	☒ None	☐ <0.13 ppm	☐ ≥0.13 ppm	☐ TCLP	☐ Other
hexachlorobutadiene	☒ None	☐ <0.5 ppm	☐ ≥0.5 ppm	☐ TCLP	☐ Other
hexachloroethane	☒ None	☐ <3.0 ppm	☐ ≥3.0 ppm	☐ TCLP	☐ Other
methyl ethyl ketone	☒ None	☐ <200.0 ppm	☐ ≥200.0 ppm	☐ TCLP	☐ Other
nitrobenzene	☒ None	☐ <2.0 ppm	☐ ≥2.0 ppm	☐ TCLP	☐ Other
pentachlorophenol	☒ None	☐ <100.0 ppm	☐ ≥100.0 ppm	☐ TCLP	☐ Other
pyridine	☒ None	☐ <5.0 ppm	☐ ≥5.0 ppm	☐ TCLP	☐ Other
tetrachloroethylene/perchloroethylene	☒ None	☐ <0.7 ppm	☐ ≥0.7 ppm	☐ TCLP	☐ Other
trichloroethylene	☒ None	☐ <0.5 ppm	☐ ≥0.5 ppm	☐ TCLP	☐ Other
2,4,5-trichlorophenol	☒ None	☐ <400.0 ppm	☐ ≥400.0 ppm	☐ TCLP	☐ Other
2,4,6-trichlorophenol	☒ None	☐ <2.0 ppm	☐ ≥2.0 ppm	☐ TCLP	☐ Other
vinyl chloride	☒ None	☐ <0.2 ppm	☐ ≥0.2 ppm	☐ TCLP	☐ Other

Hazardous Constituents *(Identify hazardous constituents for F- and K-listed wastes and substances causing waste to exhibit a characteristic.)*

PCB # 92.3567176 <67 PPM

Additional Comments *(Provide comments regarding the chemical or radiological nature of the waste.)*

Do not write in this box - EM-8 use only

Waste Classification

☒ Non-RCRA waste	☐ RCRA-regulated solid waste	☐ RCRA-regulated hazardous waste	☐ Radioactive waste
☒ PCB ☐ non-PCB TSCA waste ☐ asbestos	☐ municipal refuse ☐ nonhazardous chemical waste ☐ administratively controlled waste ☐ sanitary/industrial sludges	☐ hazardous waste ☐ mixed low-level waste ☐ mixed transuranic waste	☐ low-level waste ☐ transuranic waste

RCRA Code 1	RCRA Code 2	RCRA Code 3	RCRA Code 4	RCRA Code 5	RCRA Code 6	RCRA Code 7	RCRA Code 8

EM-8 Reviewer's Signature	Date	Cost Center/Program Code for Analysis	Reference Number
Michelle Cash	1/14/93		05923

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RSWD

L93000806

1. Waste Originator Information

Date (MM.DD.YY)	Group	TA	Building	Wing	Mail Stop	Telephone	Certified WS No.
11/01/93	JCI	03	SM-39		A-199	7-0104	NO

Generator No.	Waste Stream No.	Cost Code	Program Code	WMC No.
0916019	~~JC1026~~ JC1021	10704	U809	JUWC02

JC 1021 on 11-10-93

2. Waste Characterization and Packaging Information

Waste Profile Request No.	Hazardous Materials Transfer Form	Waste Code	
017263	HM No. 04368	717	☐ Actual Rad ☐ Suspect Rad ☒ Mixed Waste ☐ Non-Rad

Total Waste Volume		Estimated Weight		Serial No.	
1550	☐ Meters³ ☐ Feet³ ☒ Gallons	35100	☐ Kilograms ☒ Pounds ☐ Tons	1005777	Is this a dumpster? ☐ Yes ☒ No If yes, ☐ Compactible ☐ Non-Compactible Dumpster No.

Waste Description

PCB CONSTRUCTION Debris from Draining of PCB Equipment # 2215, 2216, 2217, 2218

Radiation Exposure Rate		C & D Form Numbers		
	☐ R/hr ☐ mR/hr			

Comments

Package Codes*	Package Code*	Package Volume (Individual Package)	Volume Units**	Number of Packages	Total Vol. of Package Type (Pkg. Vol. X No. of Pkgs.)	Volume Units**
1 - Bulk (unpackaged)						
2 - Wooden crate	013	1550	G	01	1550	G
3 - Drum						
4 - Cardboard box						
5 - Plastic bag						
6 - Steel box						
7 - Shield cask						
8 - Other (specify below)						

Volume Units**: M = Meters³, F = Feet³, G = Gallons

Radionuclide	Amount		Units+	Uncertainty	Method++	SS Acct.	Proj. Code
NONE IA ID	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			
	E +/-			+/- %			

+Units: C = Curies M = Grams

++Methods: A = Analysis M = Measurement C = Calculation E = Estimation

3. Waste Certification

GENERATOR CERTIFICATION STATEMENT: My signature certifies that the waste is as described here and on the attached Waste Profile Request form. Waste meets all applicable acceptance, storage or disposal criteria listed in Administrative Requirement 10-2, "Low-Level Radioactive Solid Waste," and in "Waste Acceptance Criteria for Low-Level Radioactive Waste Disposal at TA-54, Area G."

Generator's Name (Print)	Signature	Z Number	Date
Michael Bailey	Michael Bailey	096049	11/1/93

WASTE MANAGEMENT COORDINATOR STATEMENT: My signature certifies that all information on this form has been reviewed and is correct to the best of my knowledge.

Waste Management Coordinator's Name (Print)	Signature	Z Number	Date
Michael Bailey	Michael Bailey	096049	11/1/93

ge For EM-7 Use Only

RSWD 188

L93000806

4. EM-7 Approval (*No waste can be accepted without approval signature*)

APPROVAL STATEMENT: My signature certifies that the waste described on this application is acceptable, AS DESCRIBED, for storage or disposal by EM-7.

Approver's Name (Print or Stamp)	Signature	Date Approved
J. Minton-Hughes	Julia Minton-Hughes	11-1-93

osition

- [ ] MAP Shaft
- [ ] Be Shaft
- [x] PCB Shaft
- [ ] MW Storage Shaft
- [ ] Other _____
- [ ] Low-Level H3 Shaft
- [ ] High-Level H3 Shaft
- [ ] Animal Tissue Shaft
- [ ] MFP Shaft
- [ ] HEPA Filter Shaft
- [ ] Source Shaft
- [ ] Powder Shaft
- [ ] Holding Shed
- [ ] MW H3 Shed
- [ ] Compactor
- [ ] LLW Pit
- [ ] Asbestos Pit
- [ ] MW Storage Dome
- [ ] Certifiable TRU Dome
- [ ] Uncertified TRU Storage

5. Receiving Site Information

Waste ived	(MM,DD,YY) 11/01/93	
al Volume	55	☐ Meters³ ☐ Feet³ ☑ Gallons
s Weight (lbs)	6180	
Weight (-)	5960	
Weight	220	

ber of RSWDs on this load 1 R.G.

Vehicle Code
- [ ] Dumpster (01)
- [ ] Dump truck (02)
- [x] Flatbed (03)
- [ ] Pickup (04)
- [ ] Shield cask (05)
- [ ] EM-7 truck (06)
- [ ] Other (*specify below*) (07)

Treatment Code
- [ ] Compaction (01)
- [ ] Incineration (02)
- [ ] Other (03)
- [x] None (04)

Exposure Rate Contact: 0 mR/hr

Exposure Rate at 1 Meter: mR/hr

s Signature	HS-1 Monitor's Signature (*TA-54*)	Non-Conformance?	Non-Conformance Report No.
Richard Garber	[signature]	☑ No ☐ Yes	

6. Compaction Information

No.	Compaction Date (MM,DD,YY)	Bale Volume (M³)	Comments

7. Disposal Location Information

Disposal Date (MM,DD,YY)	Area	Shaft	Pit	Transit Sequence No.	Post(s)	Layer	Position
11/01/93	G	C-13	N/A	PCB Shaft			

8. Storage Location Information

Storage Date (MM,DD,YY)	Area	Shaft	Building	Column	Layer	Row	Pad	Post(s)	Layer	Position

9. Director of Disposal Operations

ECTOR OF DISPOSAL OPERATIONS CERTIFICATION: My signature certifies that all waste receiving, storage, and/or disposal requirements were met.

ector of Disposal or Storage Operations (Print)	Signature	Date
Rudy Archuleta	Rudy Archuleta	11-1-93

ened Paperwork	
ial)	R.G.
ised Disposal	
ial)	R.G.

10. Data Management Information

Date Entered in Logbook (MM,DD,YY)	Date Entered in Database (MM,DD,YY)	Date Entry Verified (MM,DD,YY)
11/01/93	11/1/93	11/1/93
Initial R.G.	Initial [signature]	Initial [signature]

OK'D BY CAL 11-4-93