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**OAK RIDGE  
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JAN 1991  
ORNL/TM-11883/R1

PCB ANNUAL REPORT FOR  
OAK RIDGE NATIONAL LABORATORY  
EPA IDENTIFICATION NUMBER - TN 1890090003  
FEBRUARY 6, 1990 - DECEMBER 31, 1990

J. K. Greer, Jr.  
R. C. Foley

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Date Revised - October 15, 1991

Prepared by the  
Environmental Compliance Section  
Office of Environmental Compliance and Documentation  
Oak Ridge National Laboratory  
Oak Ridge, Tennessee 37831

managed by  
Martin Marietta Energy Systems, Inc.  
for the  
U. S. DEPARTMENT OF ENERGY  
under  
Contract No. DE-AC05-84OR21400

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DEPARTMENT OF ENERGY

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**MASTER**

*J.P.*

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## ABSTRACT

Oak Ridge National Laboratory prepares a report annually as mandated by the Toxic Substances Control Act (TSCA) that summarizes records required of owners/operators of facilities where PCBs are in use. This report provides information on PCB and PCB-contaminated equipment in use or removed from service and PCB wastes generated, stored, and shipped off-site for treatment and disposal during the time period February 6, 1990, through December 31, 1990, as required by the revised TSCA regulations described in the December 21, 1989, Federal Register (54 FR 52716).

## ACKNOWLEDGMENTS

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## 1.0 INTRODUCTION

Polychlorinated biphenyls (PCBs) are a family of chlorinated aromatic hydrocarbons used extensively prior to 1979 in electrical equipment, heat transfer systems, fire retardants, and plasticizers. PCBs can be detrimental to humans and the environment because of their toxicity, persistence, and tendency to bioaccumulate. Humans exposed to PCBs can develop dermatologic symptoms, follicular keratitis, excessive eye discharge, swelling of the eyelids, and nervous system symptoms (IARC 1978). In addition, available data are sufficient to support the carcinogenicity of PCBs in animals but are inadequate to demonstrate their carcinogenicity in humans (IARC 1982).

Congress mandated the control of PCBs under the Toxic Substances Control Act (TSCA) of 1976, Public Law 94-469, Section 6(e). To enforce TSCA, the Environmental Protection Agency (EPA) promulgated regulations under Title 40 of the Code of Federal Regulations (CFR), Part 761. Subpart A of 40 CFR 761 provides general information, including definitions and references. Subpart B outlines requirements for the manufacture, processing, distribution, and use of PCBs. Subpart C governs marking and labeling requirements, and Subpart D identifies storage and disposal requirements. Subpart E regulates commercial exemptions for the manufacturing, processing, and distribution of PCBs. Subpart G details requirements for spill cleanup policy. Subpart J contains recordkeeping and reporting requirements for owners or operators of facilities using or storing PCBs, and requires an annual report to be on file by July 1 covering the previous calendar year.<sup>1</sup> Subpart K requires PCB waste disposal records, manifesting records, and exception reports for PCB wastes which are not disposed of within one year of generation. Appendix C contains copies of ORNL manifests, certificates of destruction, and one exception report for 1990.

Oak Ridge National Laboratory (ORNL) is a multipurpose research and development facility owned and operated by the Department of Energy (DOE) and managed under subcontract by Martin Marietta Energy Systems, Inc. (Energy Systems). ORNL operates research laboratories at the main ORNL/X-10 site and at the DOE/Y-12 Plant. ORNL manages PCBs and PCB-contaminated wastes that are generated at these sites in a manner that complies with state and federal regulations, as well as DOE and Energy Systems procedures. These wastes are stored on-site at ORNL prior to their treatment and disposal at EPA-approved facilities. In addition, PCB articles, PCB containers, and PCB-contaminated electrical equipment are in use at ORNL. PCB transformers, however, are no longer in service at the ORNL/X-10 site. Only two PCB-contaminated transformers, ( $\geq 50$  ppm to  $< 500$  ppm) were in service at ORNL in 1990.

This report summarizes ORNL/X-10's PCBs and PCB items in service or removed from service as well as PCBs or PCB-contaminated wastes generated, stored on-site, and shipped off-site for treatment and disposal during 1990. Also included in this report are PCBs and PCB-contaminated wastes generated at ORNL's Y-12 facilities that are handled by ORNL/X-10. Thus, this document fulfills the reporting requirement (40 CFR 761.180) for these PCB materials at ORNL/X-10 (hereafter referred to as ORNL). Information concerning other PCB wastes and PCB items at ORNL/Y-12 is addressed in Y-12's annual report.

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<sup>1</sup> This report includes activities for February 6, 1990, through December 31, 1990, due to reporting period for the 1989 Annual Report, per the requirements of the December 21, 1989, Federal Register.

## 2.0 REGULATIONS ON PCBs

TSCA authorizes EPA to regulate chemical substances and mixtures that present an unreasonable risk of injury to human health or the environment. The primary impact of TSCA on ORNL is the regulation of PCBs and PCB-contaminated equipment and materials. Following are some of the elements EPA promulgated to implement this control program for PCBs.

1. Banned the manufacture, distribution in commerce, and use of PCBs in other than a "totally enclosed manner" (40 CFR Part 761.20).
2. Established categories of electrical equipment: PCB transformer ( $\geq 500$  ppm), PCB-contaminated electrical equipment ( $\geq 50$  to  $< 500$  ppm), and non-PCB transformers ( $< 50$  ppm) [40 CFR Part 761.3 and 761.30 (a)(2)(v)].
3. Set rules governing the conversion of PCB transformers to PCB-contaminated electrical equipment or to non-PCB transformers by draining, refilling, and/or otherwise servicing the transformer [40 CFR Part 761.30 (a)(2)(v)].
4. Established criteria for the disposal of PCBs, PCB articles (transformers, capacitors, hydraulic machines, PCB-contaminated electrical equipment, and other articles), PCB containers, and PCBs resulting from the cleanup and removal of spills (40 CFR 761.60).
5. Established standards for the marking (40 CFR 761.40 and 761.45) and storing of PCBs and PCB-contaminated liquids and solids (40 CFR 761.65).
6. Prohibited the use of PCB transformers and PCB-filled electromagnets (with concentrations of 500 ppm or greater) posing an exposure risk to food and feed after October 1, 1985, and established regulations to reduce fire-related risks posed by the use of PCB transformers (40 CFR 761.30).
7. Authorized the use of all other PCB transformers for the remainder of their useful lives, except for those posing fire-related risks, and required a quarterly inspection of this equipment for leaks of dielectric fluids (40 CFR 761.30).
8. Authorized the use of large capacitors that are located in restricted access electrical substations or in contained and restricted installations for the remainder of their useful lives. The use of all other large PCB capacitors after October 1, 1988, however, is prohibited [40 CFR 761.30 (l)(1)(ii)].
9. Established standards for recordkeeping and annual reporting for owners or operators of facilities using or storing PCBs or PCB items, as well as facilities storing or disposing of PCBs or PCB items (40 CFR 761.180 and 761.202). PCB items include any PCB articles, PCB article containers, PCB containers, or PCB equipment that deliberately or unintentionally contains PCBs.

10. Established standards for spill cleanup in restricted access areas [40 CFR 761.125(a)(3)], soil decontamination in unrestricted areas [40 CFR 761.125(a)(4)(v)], and that spills of 10 pounds or more of PCBs by weight must be reported to the National Response Center [40 CFR 761.125(a)(1)(iii)].
11. Established requirements for the manifesting and tracking of PCB wastes by the generator and the disposal facility. Since ORNL previously manifested and monitored all PCB wastes, including wastes containing PCBs between 2 ppm and 49 ppm, implementation of these regulations under TSCA did not impact ORNL operations.

The time frame covered by this Annual Report is from February 6, 1990, to December 31, 1990, which coincides with the previous year's Annual Report coverage up to February 5, 1990. Thus, roughly 10 1/2 months of generation and storage of wastes are covered in this report and will be designated as report year (RY) 1990.

Handling of PCBs and PCB-contaminated materials at ORNL is also governed internally under Energy Systems and ORNL policies. These policies ["Martin Marietta Energy Systems Environmental, Safety, and Health Standards: Management of PCBs" dated April 4, 1989, and ORNL Environmental Protection Manual Section 4.0 "Polychlorinated Biphenyls (PCB)" dated November 20, 1989] require management of some materials containing 2 ppm to 49 ppm PCBs as wastes destined for incineration.

### 3.0 RECORDS AND REPORTING

Annual reporting is accomplished through a computerized PCB Tracking System (PCBTS), a module within a larger Hazardous Waste Tracking System which runs on ORNL's DEC system FDP-10 computer with System 1022 as the database management system. The PCBTS is comprised of two submodules: one on equipment inventories and one on waste generation and disposal. The equipment database contains information on inventories of PCB-contaminated transformers (Section 3.1), PCB large high- and low-voltage capacitors (Section 3.2), as well as miscellaneous PCB-contaminated hydraulic equipment (Section 3.3). The records on the PCB-contaminated equipment are maintained by the Environmental Compliance Section (EC) in the Office of Environmental Compliance and Documentation (OECD). The data for the equipment database are provided by the ORNL's Environmental Protection Officers for research equipment, by the Plant and Equipment Division for electrical service (outdoor) transformers, and periodic laboratory-wide surveys by OECD.

Records for the second module of the PCBTS, the PCB waste database, cover generation and disposal of both PCBs and PCB-contaminated wastes (refer to Section 3.4). The PCB waste submodule receives storage and shipment data from the larger Hazardous Waste Tracking System. The PCB waste data are compiled by the Hazardous Waste Operations Group in the Office of Waste Management and Remedial Actions.

Regulations regarding reporting (40 CFR Part 761.180 and .202) require the tracking of the dates PCBs and PCB items are removed from service, placed into storage for disposal, and placed into transport for disposal. For PCBs and PCB items removed from service, the regulations require the location of the initial storage or disposal facility and the name of the owner or operator of the facility. The regulations also require information on PCBs and PCB items remaining in service at the end of the calendar year, including the total weight in kilograms of any PCBs and PCB items in PCB

containers, total number of PCB transformers and total weight of the PCBs they contain, and the total number of PCB large high- or low-voltage capacitors. Commercial storage and disposal facilities (ORNL is not a disposal facility) have additional reporting requirements, including dates and quantities of PCBs and PCB-contaminated wastes transferred into or out of the facility during the year and those retained in storage at the end of the year.

### 3.1 PCB Transformers

During the 1980s, ORNL undertook a program to reduce levels of PCBs in equipment used in the plant. The last PCB transformers ( $\geq 500$  ppm) were removed from service and disposed of in CY 1986. Between 1980 and 1984, ORNL's transformers containing  $\geq 50$  ppm but  $< 500$  ppm PCBs were chemically treated to decrease their concentrations of PCBs, where feasible.<sup>2</sup> Following the program to reduce PCBs, no PCB transformers ( $\geq 500$  ppm) and only two PCB-contaminated transformers ( $\geq 50$  ppm but  $< 500$  ppm PCBs) were in service at ORNL at the end of RY 1990 (Table 1). Untested transformers<sup>2</sup> and non-PCB transformers<sup>3</sup> are listed in Appendix B. The former are listed because they are managed as PCB-contaminated transformers under Energy Systems and ORNL policies.

Table 1. PCB-Contaminated Transformers ( $\geq 50$  ppm but  $< 500$  ppm) in Service During RY 1990

Serial Number	Location	PCB:PPM	Capacity	
			Gallons	Kilograms
7731081	7901 (southside)	53	499	1891.21
7373793	7901 (southside)	68	500	1895.00
Total			999	3786.21

### 3.2 PCB Capacitors

Subpart A of the regulations defines three types of capacitors: small capacitors, large high-voltage capacitors, and large low-voltage capacitors. A small capacitor contains less than 1.36 kg (3 lb) of dielectric fluid. A large high-voltage capacitor contains 1.36 kg (3 lb) or more of dielectric fluid and operates at 2,000 volts or above; whereas, a large low-voltage capacitor contains 1.36 kg (3 lb) or more of dielectric fluid and operates below 2,000 volts. A capacitor whose total volume is less than 1,639 cm<sup>3</sup> (100 in.<sup>3</sup>) is assumed to contain less than 1.36 kg of dielectric fluid. PCBs were used as the dielectric fluid in most capacitors manufactured between 1920 and 1978. Although the manufacture of capacitors containing PCBs has been banned, their use in a totally enclosed manner is still allowed. The regulations require that all capacitors be considered to be treated as PCB items except when known to contain no PCBs and labeled "No PCBs." Thus, it is assumed that unmarked capacitors (both large and small) contain PCBs.

<sup>2</sup> Small closed system transformers (typically pole-mounted units) cannot be sampled and are assumed by EPA to contain  $\geq 50$  ppm but  $< 500$  ppm PCBs. These PCB-contaminated transformers were not included in ORNL's treatment program to reduce PCB levels.

<sup>3</sup> Those containing  $< 50$  ppm PCBs under the EPA regulations.

The majority of PCB capacitors in use at ORNL are small (less than 1.36 kg of dielectric fluid). The ORNL electrical system does not have any PCB large high- or low-voltage capacitors (as they are referred to in the regulations); however, various research-related instruments do contain them. ORNL and Energy Systems policies concerning handling of PCB capacitors (both large and small) require that they be collected, stored on-site, and ultimately disposed of in an EPA TSCA-approved incinerator. This procedure is seemingly more stringent than required under 40 CFR 761.60 which states that small capacitors may be disposed of in municipal landfills. However, EPA has indicated in policy statements that the disposal of large quantities (greater than 25) of small capacitors by commercial and industrial activities poses an environmental risk. Therefore, EPA encourages companies to voluntarily collect and dispose of small capacitors in a high temperature incinerator. Thus, ORNL and Energy Systems policies are geared toward meeting the letter and the intent of the federal PCB regulations.

During early 1990, EC staff members initiated a Laboratory-wide survey of PCB-contaminated equipment including both transformers and capacitors not verified in last year's report. As of June 1991, the survey was essentially complete (see Appendix B). Some data on untested transformers was not available but will be provided in the Annual Report for CY 1991. Surveys from the Environmental Protection Officers at ORNL, plus building inspections and discussions with building engineers, provided information to update the previous year's list of transformers used in research equipment and capacitors.

In all, ORNL had 99 PCB large high- and low-voltage capacitors of approximately one (1) pound size or larger in service at the end of RY 1990 (Table 2). The information within the equipment database that is provided for PCB capacitors are: location, serial number, estimated weight in kilograms, and total number of PCB large and small high- or low-voltage capacitors. Identical capacitors at the same location and same piece of equipment are grouped and a single serial number or ORNL "X" number is assigned to them.

Large and small PCB capacitors are packed for disposal in drums approved by the Department of Transportation and shipped off-site for incineration in accordance with EPA regulations (refer to Table 5, Solid PCB Wastes Shipped).

Table 2. PCB Large High-Voltage and Low-Voltage Capacitors in Service During CY 1990

Serial Number	Quantity	Building	Room	PCB:PPM <sup>1</sup>	Capacity <sup>2</sup>	
					Gallons	Kilograms
X-152179	2	226	136	1,000,000	0.2 (Total for 2)	1.8 (Total for 2)
41061005V-21 X-151587	8	2525	119	1,000,000	.7 (Total for 8)	7.2 (Total for 8)
10C275P5S-16 X-151588	6	2525	119	1,000,000	8.5 (Total for 6)	5.4 (Total for 6)
2400A2-258 X-151588	2	3400	Hot Shop	1,000,000	Unknown	Unknown
C-1034 X-151585	1	2525	Green Door Shop	1,000,000	Unknown	Unknown
X-92718	1	3500	D15	1,000,000	0.25	1.35
X-88068	1	3500	D15	1,000,000	0.25	1.35
Y35636	1	4500N	E-15A	1,000,000	1.2	4.5
A28299	1	4500N	E-15A	1,000,000	1.75	6.7
IC004801	2	4500N	E-15A	1,000,000	0.2 (Total for 2)	1.8 (Total for 2)
X-155876	10	4501	R1'5	1,000,000	5.36 (Total for 10)	20.37 (Total for 10)
X-157650	6	4501	R220	1,000,000	0.5 (Total for 6)	5.4 (Total for 6)
X-157127	8	4501	Basement	1,000,000	0.7 (Total for 8)	7.2 (Total for 8)
X-159580	3	4501	309	1,000,000	.75	4.05
69-03378	3	4501	309	1,000,000	0.3 (Total for 3)	2.7 (Total for 3)
C297207	1	4501	309	1,000,000	0.25	1.35
AJAX NORTHROP	15	4508	130	1,000,000	26.25 (Total for 15)	6.7 (Total for 15)
Medium Capacitors (no number)	4 (in use)	6010	Mod.Room	1,000,000	6.0 (Total for 4)	22.8 (Total for 4)
Medium Capacitors (no number)	4 in (reserve)	6010	Basement Cage Area	1,000,000	6.0 (Total for 4)	22.8 (Total for 4)
Large Capacitors (no number)	8 (in use)	6010	Mod.Room	1,000,000	20 (Total for 8)	76.0 (Total for 8)

Table 2. PCB Large High-Voltage and Low-Voltage Capacitors in Service DURING CY 1990 (cont)

Large Capacitors (no number)	3 in (reserve)	6010	Basement Cage Area	1,000,000	Capacity <sup>2</sup>	
					7.5 (Total for 3)	28.5 (Total for 3)
X-151672 Induction Furnace	1	2000	26	1,000,000	0.25	1.35
X-151473 Westinghouse	1	2000	26	1,000,000	0.25	1.35
X-151450 Taylor-Wingfield	1	2000	26	1,000,000	0.25	1.35
X-1511121 Thermionics	1	2000	26	1,000,000	0.25	1.35
Power Supply High Voltage	1	5500	126	1,000,000	1.25	4.7
Small Capacitors (no number)	3	4500N	E-13	1,000,000	0.25 (Total for 3)	1.35 (Total for 3)
Induction Furnace S-153579	1	3500	D-13	1,000,000	1.25	4.7
Induction Furnace	1	3500	D-13	1,000,000	1.25	4.7
Power Source for Copy Lights B1121-46 6KW,60N2	3	4500N	G234	1,000,000	0.25 (Total for 3)	1.35 (Total for 3)
GE W27752	1	7712	Same	Unknown	10.3	32.14
GE V28158	1	7712	Same	Unknown	10.3	32.14
GE V28147	1	7712	Same	Unknown	10.3	32.14
GE V28150	1	7712	Same	Unknown	10.3	32.14
G4-516501		7003	Main Area	1,000,000	0.25 (Total for 2)	1.35 (Total for 2)
<b>Total =109</b>					<b>124.66</b>	<b>374.58</b>

<sup>1</sup> Assumed to be PCB material, not measured values.

<sup>2</sup> The capacities are estimated, not measured values.

### 3.3 Miscellaneous PCB-Contaminated Equipment

In addition to PCB-contaminated transformers and large PCB capacitors, ORNL has some miscellaneous equipment contaminated with PCBs. Examples of this miscellaneous equipment are pumps, or other oil-filled equipment that typically contains low levels of PCBs and whose surface(s) has been in direct contact with PCBs. A Laboratory-wide survey for these items was initiated in early 1990 and continued in early 1991 in conjunction with the transformer and capacitor survey, to validate information in the PCBTS for those in service during 1990. The goals of the survey were to locate items containing PCBs as listed in the database and identify any new items which are now on-site. Based on results of the survey, the miscellaneous equipment list has been updated.

Also, during the transformer and capacitor survey, large (approximately two to four pounds) light ballasts were identified at many of the high level radiation Hot Cell facilities at ORNL. The light ballasts service the mercury vapor lamps which provide light inside the Hot Cells. The light ballasts are marked when removed from service and are sent to an EPA incinerator when each light ballast fails or is changed out as part of normal maintenance.

The results of the hydraulic system sampling indicate that PCB-levels in three pieces of equipment (X168820A, X168822, and 3525) have been reduced by draining the PCB-contaminated oil and refilling the units with non-PCB oil. The two hydraulic systems (three pieces of equipment) were sampled, drained, flushed, and refilled during 1990, with one system re-certified as below 49 ppm. The other system's oil concentration was reduced to below 49 ppm according to preliminary sampling, with additional sampling information expected in CY 1991 to allow re-certification of the system.

Table 3. Miscellaneous PCB-Contaminated Equipment in Service During RY 1990

Serial #	Type	Location	PCB:PPM	Gals	KGS
X168820A	Hydraulic Unit, Blaw-Knox	3012, main area	137 (prior to flushing)	Approx. 150 Gallons	568.5
X168822	Drive Motor Reservoir for Blaw-Knox	3012, main area	11.8 (after flushing)		18.9
X168844	Drive Motor, United	3012, main area	2.5	unkn.	unkn.
X168847	Drive Motor, Hesta	3012, main area	< 2	unkn.	unkn.
3024-269	Grinder: Removed in 1986, drained, oil in drum at 7507V (rad. contaminated)		removed	Dry	11.4
3044-358	Surface Grinder: In rad. contaminated area, equipment in standby	3044, North end	< 31	15	56.8
3525	Waste Press: In Hot Cell, rad. contaminated	Hot Cell	3.5 (after flushing)	1/2	
6000-063	Oil Reclaimer: Drained & flushed-1987, sampled- 4/1988, to salvage 6/1988		removed	Dry	unkn.

### 3.4 PCB Wastes

PCB wastes at ORNL include contaminated oils, large capacitors, small capacitors including fluorescent light ballasts, contaminated solids (e.g., rags, papers from spill cleanups), transformer carcasses (i.e., drained units), and contaminated wastes from unintentional spills and releases. The majority of PCB wastes are stored on-site at Building 7507 for under one year and are shipped to an off-site EPA-approved incinerator for disposal. There are three exceptions to this practice. First, drained transformer carcasses can be disposed of at an incinerator or a chemical waste landfill provided they are EPA-approved facilities. Second, PCB wastes that are co-contaminated with radioactive constituents cannot be sent to off-site disposal (since no commercial incinerator is available for disposal of PCB and radioactive wastes) and, therefore, require long-term storage on-site. As a result, a small amount of radioactively co-contaminated PCB wastes, primarily oils, are stored on-site at the 7507W Mixed Waste Pad awaiting incineration at the DOE Oak Ridge TSCA incinerator (see Wastes in Storage section below). ORNL and DOE are negotiating with EPA, Region IV, a federal facilities compliance agreement to allow for the storage of radioactive PCB wastes for more than one year at ORNL.

A third exception to storage in Building 7507 is three satellite storage areas for light ballasts suspected to contain PCBs. Those areas are located in Buildings 2018, 4500 North-Basement, and 4500 South-Basement. These areas are maintained by Plant & Equipment personnel and are marked with PCB labels, are inspected once every 30 days, and have secondary containment for the drums of solid waste (provided by overpack drums for each drum of light ballasts). An additional satellite storage is in 4500S, Analytical Chemistry laboratory, where laboratory samples are stored in approved containers inside laboratories until picked up by Hazardous Waste Operations.

At ORNL, PCB wastes are classified into two categories:  $\geq 2$  but  $< 50$  ppm which are not from dilution of PCB wastes or spills of PCB materials (controlled under ORNL and Energy Systems policies) and  $\geq 50$  ppm PCBs (requiring disposal under EPA regulations [40 CFR 761.60], as well as ORNL and Energy Systems policies). Typically, waste oils constitute approximately one-half (48 percent) of ORNL's total PCB wastes. Low concentrations of PCBs ( $\geq 2$  to  $< 50$  ppm) are frequently detected in waste oils from various sources at ORNL.

Information reported in the PCBTS for PCB wastes include disposal container (drum number), source location, waste description, weight, PCB concentration, disposer, and disposer location. The date to storage is the date when the waste was initially generated, while date shipped is the date wastes were picked up by the transportation company for disposal.

#### 3.4.1 Wastes Shipped Off-Site

All nonradioactive PCB wastes ( $\geq 2$  ppm) are shipped off-site for disposal at an EPA-approved facility. For these off-site shipments, PCB wastes are manifested in the same manner as Resource Conservation and Recovery Act (RCRA) hazardous wastes, and copies of the manifests are retained by the Hazardous Waste Operations Group. Some of the wastes shipped off-site for disposal are generated at ORNL facilities located in Buildings 9201-2 and 9202-2 at the Y-12 plant or from the Oak Ridge Associated Universities (ORAU).

During RY 1990, off-site shipments of solid PCB wastes containing  $\geq 50$  ppm totaled 8,853.83 kgs. A list of these wastes can be found in Table 5. Off-site shipments of liquid PCB wastes containing  $\geq 50$  ppm totaled 30,876.36 kgs and can be found in Table 4.

ORNL shipped 9,997.05 kgs of liquid and solid wastes contaminated with PCBs ( $< 50$  ppm) for incineration at an off-site facility. A summary of off-site shipments of these wastes is given in Appendix A-1. Facilities at ORNL/Y-12 contributed a total of 773.75 kgs of these PCB wastes.

### 3.4.2 Wastes in Storage

Liquid wastes in storage at the end of the reporting period containing  $< 50$  ppm PCBs are shown in Table A-2, and those containing  $\geq 50$  ppm PCBs are given in Table 6. The current inventory includes 2,548.97 kgs of oils containing  $< 50$  ppm PCBs plus 295.62 kgs of oil containing  $\geq 50$  ppm PCBs. The wastes containing  $< 50$  ppm are co-contaminated with low levels of radioactivity and, as a result, are stored on-site at the Mixed Waste Pad at 7507W. The 295.62 kgs of oil  $\geq 50$  ppm PCBs are also co-contaminated with radioactivity and are located at 7507W. These mixed wastes will be incinerated at the DOE TSCA incinerator in Oak Ridge when it is fully operational and the wastes are scheduled for incineration.

No solid PCB wastes containing  $< 50$  ppm, as shown in Appendix A, were in storage at the end of RY 1990. Solid PCB wastes containing  $\geq 50$  ppm held in storage at the end of RY 1990 are shown in Table 7. The solid wastes  $\geq 50$  ppm PCBs in storage amounted to 152.90 kgs. Only 36.3 kgs of 152.90 kgs are co-contaminated with radioactivity and will be held for treatment at the TSCA incinerator at the DOE, Oak Ridge K-25 site.

Table 4. Liquid PCB Wastes Inventory  $\geq$  50 ppm Shipped Offsite as of December 31, 1990

Disposal Container	Source Location	Waste Description	Drum Weight In KGS	PCB:PPM	Date to Storage	Date Shipped	Sent to
1659B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES <sup>1</sup>
1660B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1661B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1662B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1663B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1664B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1665B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1666B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1667B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1668B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1669B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1670B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1671B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1672B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1673B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1675B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1676B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1677B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1678B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1679B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1680B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES

<sup>1</sup> Rollins Environmental Services (RES), Deer Park, TX.

Table 4. Liquid PCB Wastes Inventory  $\geq$  50 ppm Shipped Off-site as of December 31, 1990

Disposal Container	Source Location	Waste Description	Drum Weight In KGS	PCB:PPM	Date to Storage	Date Shipped	Sent to
1681B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1682B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1683B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1684B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1685B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1686B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1687B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1688B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1689B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1690B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1691B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1692B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1693B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1694B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1695B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1696B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1697B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1698B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1699B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1700B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1701B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1702B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES

Table 4. Liquid PCB Wastes Inventory  $\geq$  50 ppm Shipped Off-site as of December 31, 1990

Disposal Container	Source Location	Waste Description	Drum Weight In KGS	PCB:PPM	Date to Storage	Date Shipped	Sent to
1703B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1704B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1574B	4508	OIL PCB 38, 999 PPM	208.45	999	10/24/89	6/29/90	RES
1584B	3044	OIL PCB 51 PPM	208.45	51	11/01/89	6/29/90	RES
1601B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1602B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1603B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1604B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1605B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1606B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1607B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1608B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1609B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1610B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1611B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1612B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1613B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1614B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1615B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1616B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1617B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1618B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES

Table 4. Liquid PCB Wastes Inventory  $\geq$  50 ppm Shipped Off-site as of December 31, 1990

Disposal Container	Source Location	Waste Description	Drum Weight In KGS	PCB:PPM	Date to Storage	Date Shipped	Sent to
1619B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1620B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1621B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1622B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1623B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1624B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1625B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1626B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1627B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1628B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1629B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1630B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1631B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1641B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1642B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1643B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1644B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1645B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1646B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1647B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1648B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES

Table 4. Liquid PCB Wastes Inventory  $\geq$  50 ppm Shipped Off-site as of December 31, 1990

Disposal Container	Source Location	Waste Description	Drum Weight In KGS	PCB:PPM	Date to Storage	Storage Location	Sent to
1802B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1803B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1804B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1805B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1806B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1807B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1808B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1809B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1810B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1811B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1812B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1813B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1814B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1815B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1816B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1817B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1819B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1820B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1821B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1822B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1823B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1824B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1825B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1826B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1827B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1828B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1829B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1830B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1831B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1832B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1833B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1834B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1835B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1836B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES

Table 4. Liquid PCB Wastes Inventory  $\geq$  50 ppm Shipped Off-site as of December 31, 1990

Disposal Container	Source Location	Waste Description	Drum Weight In KGS	PCB:PPM	Date to Storage	Storage Location	Sent to
1649B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1650B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1651B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1652B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1653B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1654B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1655B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1656B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1657B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1658B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1705B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1706B	7002	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/26/90	RES
1707B	7002	PCB CONTAMINATED KEROSENE	18.95	209	11/10/89	11/8/90	RES
1717B	Y9201-2	OIL PCB 95 PPM	208.45	95	11/29/89	6/29/90	RES
1723B	Y9201-2	OIL PCB 86 PPM	208.45	86	11/29/89	6/29/90	RES
1726B	Y9204-3	PCB LIQUID	208.45	209	11/29/89	11/8/90	RES
1727B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	11/8/90	RES
1793B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1794B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1795B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1796B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1797B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1798B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1799B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1800B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1801B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES

Table 4. Liquid PCB Wastes Inventory  $\geq$  50 ppm Shipped Off-site as of December 31, 1990

Disposal Container	Source Location	Waste Description	Drum Weight In KGS	PCB:PPM	Date to Storage	Storage Location	Sent to
1837B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1838B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1839B	7002	OIL SPILL	208.45	209	12/14/89	6/29/90	RES
1959B	7002	PCB CONTAMINATED	6.81	209	7/11/90	11/29/90	RES
TOTAL DRUMS = 150		TOTAL KGS = 30,876.36					

Table 5. Solid PCB Wastes  $\geq$  50 ppm Shipped by the End of CY 1990

Disposal Container	Source Location	Waste Description	Drum Weight in KGS	PCB:PPM	Date to Storage	Date Shipped	Sent to
1524B	7710	PCB BALLAST <sup>1</sup>	1.36	unknown	11/01/89	6/29/90	RES
1585B	4500S	PCB CAPACITORS	284.03	unknown	11/01/89	6/29/90	RES
1596B	4500S	LIGHT BALLASTS	195.55	unknown	11/07/89	11/08/90	RES
1597B	4500S	PCB CONTAMINATED TRANSFORMER	137.48	unknown	11/07/89	6/26/90	RES
1635B	7009	PCB CONTAMINATED SOIL	208.45	209	11/10/89	6/29/90	RES
1636B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/29/90	RES
1637B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/29/90	RES
1638B	7009	PCB CONTAMINATED WATER	208.45	209	11/10/89	6/29/90	RES
1639B	7009	PCB CONTAMINATED SOIL	208.45	209	11/10/89	6/29/90	RES
1640B	7009	PCB CONTAMINATED SOIL	208.45	209	11/10/89	7507	RES
1674B	7002	PCB CONTAMINATED SOLIDS	208.45	209	11/10/89	7507	RES
1718B	Y9201-2	PCB CONTAMINATED SOLIDS	208.45	unknown	11/29/89	11/8/90	RES
1719B	Y9201-2	PCB CONTAMINATED SOLIDS	208.45	unknown	11/29/89	11/8/90	RES
1720B	Y9201-2	PCB CONTAMINATED SOLIDS	208.45	unknown	11/29/89	11/8/90	RES
1721B	Y2901-2	PCB CONTAMINATED SOLIDS	208.45	unknown	11/29/89	11/8/90	RES
1722B	Y2901-2	PCB CONTAMINATED SOLIDS	208.45	unknown	11/29/89	11/8/90	RES
1724B	Y2901-2	PCB BALLASTS	208.45	unknown	11/29/89	6/29/90	RES
1725B	Y9204-3	PCB CAPACITORS	208.45	unknown	11/29/89	6/29/90	RES
1759B	7015	PCB CONTAMINATED SOLIDS	79.40	unknown	1/05/90	6/29/90	RES
1760B	7015	PCB CONTAMINATED SOLIDS	102.09	unknown	1/05/90	6/29/90	RES
1761B	7015	PCB CONTAMINATED SOLIDS	102.09	unknown	1/05/90	6/29/90	RES
1762B	7015	PCB CONTAMINATED SOLIDS	47.64	unknown	1/05/90	6/29/90	RES
1763B	7015	PCB CONTAMINATED SOLIDS	181.49	unknown	1/05/90	11/29/90	RES
1856B	2018	Debris-Light Ballasts	123	unknown	2/23/90	11/29/90	RES
1866B	4500S	LIGHT BALLASTS	171	unknown	3/15/90	6/29/90	RES
1867B	4500S	LIGHT BALLASTS	171	unknown	3/15/90	6/29/90	RES
1955B	2018	LIGHT BALLASTS	289	unknown	7/3/90	11/29/90	RES
1956B	2018	LIGHT BALLASTS	252.7	unknown	7/3/90	11/29/90	RES
1957B	2018	LIGHT BALLASTS	310.3	unknown	7/3/90	11/29/90	RES
1958B	2018	LIGHT BALLASTS	305.8	unknown	7/3/90	11/29/90	RES

<sup>1</sup> Light Ballasts are not sampled; assumed to contain  $\geq$  50 ppm material.

Table 5. Solid PCB Wastes  $\geq$  50 ppm Shipped by the End of CY 1990

Disposal Container	Source Location	Waste Description	Drum Weight in KGS	PCB:PPM	Date to Storage	Date Shipped	Sent to
1959B	2018	LIGHT BALLASTS	323	unknown	7/3/90	11/29/90	RES
1960B	2018	LIGHT BALLASTS	296.3	unknown	7/3/90	11/29/90	RES
1961B	4508	LIGHT BALLASTS	88.5	unknown	7/10/90	11/29/90	RES
2013B	0903 and 3500	LIGHT BALLASTS	89.4	unknown	8/10/90	11/29/90	RES
2057B	4501	LIGHT BALLASTS	88.2	unknown	10/5/90	11/29/90	RES
2058B	4500S	LIGHT BALLASTS	253.6	unknown	10/5/90	11/29/90	RES
2076B	4500N	LIGHT BALLASTS	219.1	unknown	10/25/90	11/29/90	RES
2077B	4500N and 1505	LIGHT BALLASTS	240.5	unknown	10/25/90	11/29/90	RES
2078B	4500N	LIGHT BALLASTS	277.7	unknown	10/25/90	11/29/90	RES
2079D	4500S	LIGHT BALLASTS	188.7	unknown	10/25/90	11/29/90	RES
2080B	4500S	LIGHT BALLASTS	210.5	unknown	10/25/90	11/29/90	RES
2084B	2018	LIGHT BALLASTS	316.7	unknown	10/26/90	11/29/90	RES
2085B	2018	LIGHT BALLASTS	285.4	unknown	10/26/90	11/29/90	RES
2086B	2018	LIGHT BALLASTS	205	unknown	10/26/90	11/29/90	RES
2015B	4500N	CAPACITORS	99	unknown	7/23/90	11/29/90	RES
TOTAL DRUMS = 45		TOTAL KGS = 8,853.83					

TABLE 6. LIQUID WASTE INVENTORY  $\geq 50$  PPM IN STORAGE AT END OF CY-1990

DISPOSAL CONTAINER	SOURCE LOCATION	WASTE DESCRIPTION	DRUM WEIGHT IN KGS	PCB:PPM	STORAGE DATE	STORAGE LOCATION
779R	6000	Oil Rad cont.	75.80	16,000	8/17/88	7507W
937R	3106	Oil Rad. cont.	208.45	127	11/28/89	7507W
XR	Unknown	Oil Rad. cont.	11.37	200	11/6/84	7507W
TOTAL=3			295.62			

Table 7. Solid PCB Wastes  $\geq$  50 ppm in Storage as of December 31, 1990

Disposal Container	Source Location	Waste Description	Drum Weight in KGS	PCB:PPM	Date to Storage	Storage Location	Rad. Cont. <sup>1</sup>
322R	1505	PCB CONTAMINATED SOLIDS	2.27	UNKNOWN	11/25/89	7507W	Yes
939R	3106	PCB CONTAMINATED SOLIDS	34.03	UNKNOWN	11/28/89	7507W	Yes
2112B	3038	LIGHT BALLASTS	116.6	UNKNOWN	12/19/90	7507W	NO
TOTAL DRUMS = 3			TOTAL KGS = 152.90				

<sup>1</sup> Radioactive Contamination

#### 4.0 REFERENCES

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IARC (International Agency for Research on Cancer). 1978. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans. Polychlorinated Biphenyls and Polybrominated Biphenyls. Vol. 18. IARC, Lyon.

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Appendix A

Wastes < 50 ppm

**APPENDIX A-1  
WASTES CONTAMINATED WITH PCBs <50 PPM SHIPPED BY DECEMBER 31,1990**

CONTAINER	LOCATION	WASTE DESCRIPTION	WEIGHT IN KILOGRAMS	PCB:PPM	STORAGE DATE	SHIPPING DATE <sup>1</sup>
1598B	4500S	Transformer	79.40	9	11/07/89	6/26/90
1599B	4500S	Transformer	79.40	9	11/07/89	6/26/90
1600B	4500S	Transformer	79.40	9	11/07/89	6/26/90
1856B	2018	Contaminated Soil	113.70	29	3/01/90	11/29/90
1576B	Y9201-2	Oil	18.95	7	4/05/90	6/29/90
1582B	5500	Oil	240.20	6	10/31/89	6/29/90
1583B	4501	Oil	232.62	7	10/31/89	6/29/90
1577B	Y9201-2	Oil	18.95	38	4/05/90	11/29/90
1737B	7506	Oil	208.45	3	12/07/89	6/29/90
1738B	7506	Oil	208.45	3	12/07/89	6/29/90
1739B	7506	Oil	208.45	3	12/07/89	11/29/90
1764B	6010	Oil	208.45	12	1/05/90	6/29/90
1777B	Y9201-2	Oil	208.45	5	1/16/90	11/29/90
1788B	6000	Oil	293.53	6	7/27/89	6/29/90
1858B	2547	Oil	208.45	3	3/15/90	11/29/90
1859B	2547	Oil	208.45	3	3/15/90	11/29/90
1860B	2547	Oil	208.45	3	3/15/90	11/29/90
1861B	2547	Oil	208.45	3	3/15/90	11/29/90
1862B	2547	Oil	208.45	3	3/15/90	11/29/90
1863B	2547	Oil	208.45	3	3/15/90	11/29/90
1864B	2547	Oil	208.45	3	3/15/90	11/29/90
1865B	2547	Oil	208.45	3	3/15/90	11/29/90
1945B	5500	Oil	208.45	5.4	6/15/90	11/29/90
1946B	5500	Oil	208.45	5.4	6/15/90	11/29/90
1947B	5500	Oil	208.45	5.4	6/15/90	11/29/90
1948B	5500	Oil	208.45	5.4	6/15/90	11/29/90
1949B	5500	Oil	208.45	5.4	6/15/90	11/29/90
1950B	5500	Oil	208.45	5.4	6/15/90	11/29/90
1968B	5500	Oil	208.45	11.7	7/17/90	11/29/90
1969B	5500	Oil	208.45	11.7	7/17/90	11/29/90
1970B	5500	Oil	208.45	11.7	7/17/90	11/29/90

APPENDX A-1 (cont)

CONTAINER	LOCATION	WASTE DESCRIPTION	WEIGHT IN KILOGRAMS	PCB:PPM	STORAGE DATE	SHIPPING DATE <sup>1</sup>
1971B	5500	Oil	208.45	11.7	7/17/90	11/29/90
1972B	5500	Oil	208.45	11.7	7/17/90	11/29/90
1973B	5500	Oil	208.45	11.7	7/17/90	11/29/90
1974B	5500	Oil	208.45	11.7	7/17/90	11/29/90
1975B	5500	Oil	208.45	11.7	7/17/90	11/29/90
2096B	2525	Oil	208.45	7.3	11/07/90	11/29/90
2097B	2525	Oil	208.45	7.3	11/07/90	11/29/90
2098B	2525	Oil	208.45	7.3	11/07/90	11/29/90
2099B	2525	Oil	208.45	7.3	11/07/90	11/29/90
1582B	5500	Oil	240.20	6	10/31/89	6/29/90
2100B	2525	Oil	208.45	7.3	11/07/90	11/29/90
2101B	2525	Oil	208.45	7.3	11/07/90	11/29/90
2102B	2525	Oil	18.95	7.3	11/07/90	11/29/90
2075B	Y9201-2	Debris	84.4	38	10/27/90	11/29/90
2061B	7507	Transformer Oil	199.2	6.8	10/25/90	11/29/90
2082B	7507	Transformer Oil	56.7	6.7	10/25/90	11/29/90
2083B	7507	Oil	145.2	8.2	10/25/90	11/29/90
2092B	7507	Oil	178.8	16	11/01/90	11/29/90
2093B	7507	Oil	64.0	27.5	11/01/90	11/29/90
2026B	7507	Oil	147.9	16	1/13/88	11/29/90
2027B	7507	Oil	196.0	3	4/28/87	11/29/90
2028B	7507	Oil	240.9	3	4/14/87	11/29/90
2029B	7507	Oil	178.8	5	11/29/89	11/29/90
2030B	7507	Oil	211.0	9	1/05/90	11/29/90
TOTAL= 55			9,997.05			

<sup>1</sup> All shipments sent to Rollins Environmental Services (RES), Deer Park, TX

Appendix A-2. Liquid PCB Wastes Inventory < 50 ppm in Storage as of December 31, 1990

Disposal Container	Source Location	Waste Description	Drum Weight In KGS	PCB:PPM	Date to Storage	Storage Location	Rad <sup>1</sup> Cont
555R	2525	OIL PCB 10 PPM	208.45	10	4/14/87	7507W	Yes
556R	2525	OIL PCB 10 PPM	208.45	10	4/14/87	7507W	Yes
557R	2525	OIL PCB 3 PPM	208.45	3	4/14/87	7507W	Yes
558R	2525	OIL PCB 3 PPM	208.45	3	4/14/87	7507W	Yes
573R	3085	OIL PCB 3 PPM	208.45	3	4/28/87	7507W	Yes
598R	6010	OIL PCB 7 PPM	208.45	7	5/28/87	7507W	Yes
668R	Y9202-2	OIL PCB 16 PPM	208.45	16	1/13/88	7507W	Yes
669R	Y9202-2	OIL PCB 16 PPM	227.40	16	1/13/88	7507W	Yes
687R	3001	OIL PCB 12 PPM	9.07	12	5/04/88	7507W	Yes
755R	5500	OIL PCB 6 PPM	208.45	6	8/10/88	7507W	Yes
789R	45003	OIL PCB 24 PPM	19.55	24	10/01/87	7507W	Yes
938R	3106	OIL PCB 38 PPM	208.45	38	11/28/89	7507W	Yes
940R	4501	OIL PCB 5 PPM	208.45	5	11/29/89	7507W	Yes
948R	6010	OIL PCB 9 PPM	208.45	9	1/05/90	7507W	Yes
TOTAL DRUMS = 14			TOTAL KGS = 2,548.97				

<sup>1</sup> Radioactive Contamination

**Appendix A-3**  
**Solid Waste Inventory in Storage at End of CY-1990**  
 [This table is for Waste < 50 ppm PCBs]

Disposal Container	Source Location	Waste Description	Weight in KGS	PCB:PPM	Storage Date	Location
322R	1505	SOLID	2.27	Unknown	11/25/89	7507W
939R	3106	SOLID	34.03	Unknown	11/28/89	7507W
Total Drums=2			36.30			

**Appendix B**  
**Transformer Inventory**

**Appendix B-1. Non- PCB Transformers (< 50 ppm) and  
PCB-Contaminated Transformers (>50 ppm and Unknown)**

SERIAL NUMBER/ITEM	LOCATION BLDG/ROOM	PCB:PPM	LABELS APPLIED	CAPACITY	
				GALLONS	KILOGRAMS
Resistor HITACH1 Type R-1000 Scanning Electron Microscope	3504, Rm 102	63	Yes Green/White	45 max	142.56
HITACH 1 HV Transformer Type EM 1000 V19945702	3504, Rm 102	8.8	Yes Blue/White	62 max	196.43
Norelco X-Ray unit SN 52-291	3025, Rm ML108	8	Yes Blue/White	5	15.84
Norelco X-Ray unit SN 51-182	3025, Rm ML108	3	Yes Blue/White	5	15.84
GE X-Ray Unit SN 527821	3025, Rm ML108	8	Yes Blue/White	5	15.84
Rigaku X-Ray unit SN A11195	3025, Rm ML100	9	Yes Blue/White	10	31.68
Phillips Microscope Tank	3025, Rm ML102	0	N/A	3	9.50
VG Microscope Tank	3137, Rm 107	0	N/A	2	6.34
Questek Laser	2000, Rm 35	0 (ver)	N/A	.25	.79
ISI - SEM	2000, Rm 35A	0 (ver)	N/A	2	6.34
Lumanics Laser	2000, Rm 27	0 (ver)	N/A	.25	.79
Electron Beam Power Supply Materials Research Corporation	2000, Rm 28	7.8	Yes Blue/White	2	6.34
Norelco X-Ray unit X151487	2000, Rm 24	50-499 (Assumed)	Yes Green/White	5	15.84

Appendix B-1 (cont)

SERIAL NUMBER/ITEM	LOCATION BLDG/ROOM	PCB:PPM	LABELS APPLIED	CAPACITY	
				GALLONS	KILOGRAMS
Rigaku X-Ray unit (Water cooled Jacket) SN H121615	5500, Rm 119	0	N/A	10	31.68
Kaiser Systems, Inc. Isolation Transformer #1235 Easton IMP	3003, Rm 101	0	N/A	10	31.68
ORAM Electronic Isolation Transformer #2057	3003, Rm 101	7.6	Yes Blue/White	5	15.84
High Voltage Eng. Co. SN 1086	3003, Rm 109	2.0	Yes Blue/White	2	6.34
High Voltage Eng. Co. SN 1096	3003, Rm 109	2.0	Yes Blue/White	2	6.34
High Voltage Eng. Co. SN 1076	3003, Rm 109	< 2	Yes Blue/White	2	6.34
High Voltage Eng. Co. SN 1057	3003, Rm 109	< 2	Yes Blue/White	2	6.34
X-159179 Westinghouse Furnace	4508, Rm 130	Unknown Suspect	Yes Yellow/Black	43	136.23
X-159179 Westinghouse Furnace	4508, Rm 130	Unknown Suspect	Yes Yellow/Black	12	38.02
900507-053 1	6010-Mod. Room	2.3	Yes Blue/White	Unknown	Unknown
900507-054 2 Tank	6010-Mod. Room	<2	N/A	Unknown	Unknown
900507-055 3	6010-Mod. Room	10	Yes Blue/White	Unknown	Unknown
900507-0564	6010-Mod. Room	7.4	Yes Blue/White	Unknown	Unknown
900507-057 5	6010 Room	<2	N/A	Unknown	Unknown

Appendix B-1 (cont)

SERIAL NUMBER/ITEM	LOCATION BLDG/ROOM	PCB:PPM	LABELS APPLIED	CAPACITY	
				GALLONS	KILOGRAMS
900507-058 6	6010 Room	3.3	Yes Blue/White	Unknown	Unknown
900507-059 7	6010 Modulator Room	2.1	N/A	Unknown	Unknown
900507-060 8	6010-Mod. Room	38	Yes Blue/White	Unknown	Unknown
900507-061 9	6010-Mod. Room	3.5	Yes Blue/White	Unknown	Unknown
900507-062 10	6010-Mod. Room	5.6	Yes Blue/White	Unknown	Unknown
900507-063 11	6010-Mod. Room	2.8	Yes Blue/White	Unknown	Unknown
900507-064 12	6010 EBIL Room	<2	N/A	Unknown	Unknown
900507-065 13	6010 EBIL Room	<2	N/A	Unknown	Unknown
900507-066 14	6010 EBIL Room	<2	N/A	Unknown	Unknown
900507-067 15	6010 EBIL Room	<2	N/A	Unknown	Unknown
900507-068 16	6010 EBIL Room	<2	N/A	Unknown	Unknown
900507-069 17 Drum	6010	<2	N/A	Unknown	Unknown
900507-070 18 Drum	6010	<2	N/A	Unknown	Unknown
900507-071 19 Drum	6010	<2	N/A	Unknown	Unknown
900507-072 20 Drum	6010	<2	N/A	Unknown	Unknown
900507-073 21 Drum	6010	<2	N/A	Unknown	Unknown
900507-074 22 Drum	6010	4.0	Yes Blue/White	Unknown	Unknown

Appendix B-1 (cont)

SERIAL NUMBER/ITEM	LOCATION BLDG/ROOM	PCB:PPM	LABELS APPLIED	CAPACITY	
				GALLONS	KILOGRAMS
900507-075 23 Drum	6010	<2	N/A	Unknown	Unknown
900507-076 24 Drum	6010	<2	N/A	Unknown	Unknown
X-164682 X-Ray Mach.	4500S Rm F-259	Unknown	Yes Yellow/Black	3	9.50
X-164239 X-Ray Mach.	4500S Rm D-251	Unknown	Yes Yellow/Black	5	14.26
X-158485 X-Ray Mach.	4500N Rm C-12	Unknown	Yes Yellow/Black	Unknown	Unknown
X-162855 X-Ray Mach.	5505 Rm L-4	Unknown	Yes Yellow/Black	8	25.35
IC-28913 X-Ray Mach.	5505 Rm L-9	Unknown	Yes Yellow/Black	5	15.84
X-166339 X-Ray Mach.	5505 Rm 46 (Shop)	Unknown	Yes Yellow/Black	5	15.84
X-162854 X-Ray Mach.	5505 Dock	Unknown	Yes Yellow/Black	5	15.84
X-158486 <sup>1</sup> X-Ray Mach.	4500N STF-3	Unknown	Yes Yellow/Black	5	15.84
X-158488 <sup>1</sup> X-Ray Mach.	4500N STF-1	Unknown	Yes Yellow/Black	5	15.84
X-158499 <sup>1</sup> X-Ray Mach.	4500N STF-3	Unknown	Yes Yellow/Black	5	15.84
2 KVA Spirakore 7518372	6000 Rm T201	Unknown Mineral Oil	Yes Green/White	22	69.70
HVS I1-1 550 KVA Power Supply	6000 Rm T201	Unknown Mineral Oil	Yes Green/White	2	6.33
General Electric 7242328	3095	Unknown Mineral Oil	Yes Green/White	4	12.67

<sup>1</sup>These transformers were found August 5, 1991.

Appendix B-1 (cont)

SERIAL NUMBER/ITEM	LOCATION BLDG/ROOM	PCB:PPM	LABELS APPLIED	CAPACITY	
				GALLONS	KILOGRAMS
General Electric 7242418	3095	Unknown Mineral Oil	Yes Green/White	4	12.67
General Electric 7100962	3095	Unknown Mineral Oil	Yes Green/White	10	31.68
General Electric XRD-5 #1	4500N Rm E-13	2	Yes Blue/White	10	31.68
Spectrometer M131399 #2	4500N RM-E-13	42	Yes Blue/White	10	31.68
Neutron Generator Sorenson 97585K	2011 Accelerator Vault	44	Yes Blue/White	52	164.74
Neutron Generator Sorenson 135	2011 Accelerator Vault	11	Yes Blue/White	53	167.91
81018102 82050912	Room 38A Bldg. 2000	Mineral oil Assumed 50-499	Yes Green/White	5	15.84
88053978 88037577	Room 38B Bldg. 2000	Mineral oil Assumed 50-499	Yes Green/White	5	15.84
Charging Reactors 4	Modulator Room Bldg. 6010	Unknown	Yes Yellow/Black	80.0 (Total for 4)	253.45 (Total for 4)
Charging Reactors 1 spare	6010	Unknown	Yes Yellow/Black	20	62.40
Small transformers No ID.# 4 EA	Modulator Room Bldg. 6010	Unknown	Yes Yellow/Black	2.0 (Total for 4)	6.34 (Total for 4)
Small transformers 6 spares	Basement 6010	Unknown	Yes Yellow/Black	2.0 (Total for 6)	9.50 (Total for 6)
<b>Total=84</b>				<b>Total Gallons= 561.50</b>	<b>Total Kgs =1,779.52</b>

**Appendix B-2**  
**Outside Pole Mounted or Groundbased Transformers**  
**(Responsibility of P&E, ORNL)**

SERIAL NUMBER/ITEM	LOCATION	PCB: PPM	LABELS APPLIED	CAPACITY GALLONS	KILOGRAMS
167KVA West. 73J3180	1000	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
73J3181 167KVA West.	1000	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
73J3182 167 KVA West.	1000	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
225KVA West. 70L6659	3017	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
225KVA West. 73G1478	3025	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
167KVA West. 72AB7827	3500	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
100 KVA West. 64AK11441	3503	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
100 KVA West. 64AK12562	3503	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
100 KVA West. 64AL10170	3503	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
225 KVA West. 77M615170	7831	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
150KVA T & R 00923	2019	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
167KVA West. 67AH5687	3500	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
167 KVA West. 67AH5688	3500	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
167 KVA West. 67AH7855	3500	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
50KVA G. E. N150895	7012	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
50 KVA GE N151527	7012	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown

Appendix B-2 (cont)

SERIAL NUMBER/ITEM	LOCATION	PCB: PPM	LABELS APPLIED	CAPACITY GALLONS	KILOGRAMS
50 KVA GE N151528	7012	Unknown assumed 500	Yes Yellow/Black	Unknown	Unknown
750 KVA WEST. PKR94711	3010	30	No Stickers on order <sup>2</sup>	260	823.73
200 KVA MARCUS 80845	3001	<5	No Stickers on order	113	358.00
200 KVA MARCUS 80843	3001	<5	No Stickers on order	113	358.00
200 KVA MARCUS 80844	3001	<5	No Stickers on oder	113	358.00
167 KVA UPTEGRAFF 64012	3001	<5	No Stickers on order	107	339.00
300 KVA STANDARD 49178	3144	15	No Stickers on order	200	633.64
100 KVA GE 8110081	2000	15	No Stickers on order	390	1235.59
200 KVA WEST. 3160694	2000	<5	No Stickers on order	Unknown	Unknown
100 KVA UPTEGRAFF 64011	2000	<5	No Stickers on order	71	224.94
100 KVA GE 7513305	2000	<5	No Stickers on order	59	186.92
50 KVA UPTEGRAFF 54841	2000	Oil Assumed 50-499	No Stickers on order	67	212.27

<sup>2</sup> Labels for less than 50 PPM and less than 499 PPM are on order. They will be applied when available.

Appendix B-2 (cont)

SERIAL NUMBER/ITEM	LOCATION	PCB: PPM	LABELS APPLIED	CAPACITY GALLONS	KILOGRAMS
50 KVA VANTRAN 72V 9421	1504	13	No Stickers on order	220	697.00
500 KVA SQUARED 776002228	Hydrofract 7860	<5	No Stickers on order	225	712.84
100 KVA GE N371662	0800 (River site)	<50	No Stickers on order	Unknown	Unknown
1500 KVA GE L243213	2519	<5	No Stickers on order	210	665.32
112½ KVA WEST. 78J805241	3019	<50	No Stickers on order	Unknown	Unknown
5000 KVA GE 8110078	03000	32	No Stickers on order	1350	4277.05
5000 KVA GE 8110079	3000	22	No Stickers on order	1350	4277.05
5000 KVA GE 8110080	3000	12	No Stickers on order	1350	4277.05
1000KVA GE 154363	4501	<5	No Stickers on order	364	1153.22
3000 KVA 49177	4505	11	No Stickers on order	200	633.64
167 KVA UPTEGRAFF 70686	3500	<5	No Stickers on order	55	174.25
167 KVA UPTEGRAFF 67632	3500	<5	No Stickers on order	55	174.25
167 KVA UPTEGRAFF 70687	3500	<5	No Stickers on order	55	174.25

Appendix B-2 (cont)

SERIAL NUMBER/ITEM	LOCATION	PCB: PPM	LABELS APPLIED	CAPACITY GALLONS	KILOGRAMS
GE 150 KVA L714667-TJMA	3546	OIL ASSUMED 50-499	No Stickers on order	93	294.64
100 KVA LINE MATERIAL 1337045	7003	<5	No Stickers on order	Unknown	Unknown
100 KVA LINE MATERIAL 1337042	7003	<5	No Stickers on order	Unknown	Unknown
100 KVA LINE MATERIAL 1331476	7003	<5	No Stickers on order	Unknown	Unknown
167 KVA CENTRAL 3376-1	7012	<5	No Stickers on order	Unknown	Unknown
167 KVA CENTRAL 3376-2	7012	<5	No Stickers on order	Unknown	Unknown
167 KVA CENTRAL 3376-3	7012	<5	No Stickers on order	Unknown	Unknown
5000 KVA WEST. 5065375	4000	<5	No Stickers on order	1335	4155.20
5000 KVA WEST. 5065374	4000	<5	No Stickers on order	1335	4229.52
1000 KVA GE 7367568	7901	28	No Stickers on order	500	1584.09
1000 KVA GE 7731801	7901	53	No Stickers on order	500	1584.09
100 KVA GE 7731581	7901	45	No Stickers on order	500	1584.09

**Appendix B-2 (cont)**

<b>SERIAL NUMBER/ITEM</b>	<b>LOCATION</b>	<b>PCB: PPM</b>	<b>LABELS APPLIED</b>	<b>CAPACITY GALLONS</b>	<b>KILOGRAMS</b>
1000 KVA GE 7373793	7901	68	No Stickers on order	500	1584.09
5000 KVA A-C 2371103	7901	6	No Stickers on order	1297	4109.13
GRN XFMR A-C 3428808	7901	15	No Stickers on order	200	633.64
100 KVA GE 6589125	3503	OIL ASSUMED 50-499	No Stickers on order	50	156.00
5000 KVA A-C 2371106	2632	18	No Stickers on order	1297	4109.13
1000 KVA VANTRAN 77V6956	1505	<5	No Stickers on order	440	1394.00
45KVA VANTRAN 81V3323	1505	<5	No Stickers on order	130	411.86
1500 KVA UPTEGRAFF 75474	7503	<5	No Stickers on order	422	1336.97
1000 KVA GE 7731582	7710	16	No Stickers on order	500	1584.09
A-C 50 KVA 2648913	7700	Oil Assumed 50-499	No Stickers on order	42	133.06
167 KVA WAGNER M9D 1623	7700	25	No Stickers on order	145	459.39
167 KVA WAGNER M9D 1625	7700	27	No Stickers on order	145	459.39
167 KVA WAGNER M9D 1621	7700	28	No Stickers on order	145	459.39

Appendix B-2 (cont)

SERIAL NUMBER/ITEM	LOCATION	PCB: PPM	LABELS APPLIED	CAPACITY GALLONS	KILOGRAMS
GE 75 KVA C547540	7700	Oil Assumed 50-499	No Stickers on order	Unknown	Unknown
GE 75 KVA C547546	7700	Oil Assumed 50-499	No Stickers on order	Unknown	Unknown
GE 75 KVA C566436	7700	Oil Assumed 50-499	No Stickers on order	Unknwon	Unknown
225 KVA GE F643634-67P	6010	28	No Stickers on order	94	297.81
750 KVA GE F959884	6010	27	No Stickers on order	180	570.27
2000 KVA GE F959883	6010	20	No Stickers on order	300	950.45
225 KVA HEAVY DUTY V21808	6025	<5	No Stickers on order	Unknown	Unknown
300 KVA LINE MATERIAL H26N4201	6025	<5	No Stickers on order	160	506.91
1500 KVA VANTRAN 77V8211	6005	<5	No Stickers on order	535	1694.98
150 KVA GE F643813-67P	5507	Oil Assumed 50-499	No Stickers on order	53	Unknown
1500 KVA WEST. SCV0999-01	7602	<5	No Stickers on order	283	896.60
2000 KVA GE L246058	7602	<5	No Stickers on order	258	817.39

Appendix B-2 (cont)

SERIAL NUMBER/ITEM	LOCATION	PCB: PPM	LABELS APPLIED	CAPACITY GALLONS	KILOGRAMS
1500 KVA WEST. 7022144	7920	38	No Stickers on order	275	871.25
KUHLMAN 5 KVA B 26170	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
KUHLMAN 50 KVA B6601	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
A-C 7½ KVA 1733347	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
75 KVA LINE MATERIAL C5230201	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
25 KVA WEST 3691854	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
30 KVA WEST WEST. 79A095663	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
37½ KVA WEST 3154472 Pole Mount	Solid Waste Storage #5	Unknown	Yes Yellow/Black	Unknown	Unknown
37½ KVA WEST 3154525 Pole Mount	Solid Waste Storage #5	Unknown	Yes Yellow/Black	Unknown	Unknown
37½ KVA WEST 3155084 Pole Mount	Solid Waste Storage #5	Unknown	Yes Yellow/Black	Unknown	Unknown
PENN POLE STAR 5 KVA 6-03676-1-4	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
100 KVA WEST 6071563	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
10 KVA GE B266077	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown

Appendix B-2 (cont)

SERIAL NUMBER/ITEM	LOCATION	PCB: PPM	LABELS APPLIED	CAPACITY GALLONS	KILOGRAMS
15 KVA GE M123540	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
AMERICAN 50 KVA 941241	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
AMERICAN 50 KVA 949921	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
45 KVA WEST 65F8215	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
50 KVA WEST 2838382	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
50 KVA WEST 3103620	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
50 KVA WEST 3149117	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
50 KVA WEST 3149118	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
100 KVA WEST 73AK16492	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
100 KVA WEST 73AK24738	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
100 KVA WEST 73AL892	7033 Storage	Unknown	Yes Yellow/Black	Unknown	Unknown
GE 75 KVA F645805-67P	5507	Oil ASSUMED 50-499	Yes Green/White	46	143.52
234-4T2 1000KVA VAN&RAN 77V6955	1505	<5	No Sticker on Order	440	1394.00
<b>TOTAL=104</b>				<b>19,127.00</b>	<b>60,350.96</b>

**Appendix C**

**1990 Manifests**

**1990 Certificate of Disposals**

**1990 Exception Report**



APR 17 1991  
1991

**Department of Energy**  
Oak Ridge Operations  
P.O. Box 2001  
Oak Ridge, Tennessee 37831-8600

April 16, 1991

Bob Stryker  
United States Environmental Protection  
Agency, Region IV  
345 Courtland Street, NE  
Atlanta, Georgia 30365

Dear Mr. Stryker:


**POLYCHLORINATED BIPHENYL (PCB) EXCEPTION REPORT - OAK RIDGE  
NATIONAL LABORATORY (ORNL)**

Although not required by 40 CFR 761.215(d) Exception Reporting, enclosed for your information is an exception report prepared by ORNL. This report details the events which precluded ORNL from transferring 22 drums of PCB wastes to the disposer (Rollins Environmental Services, Inc.) within the nine-month period beginning on the date of removal from service. As a result, Rollins Environmental Services was not able to dispose of the PCBs within the required 12-month period. This report is provided for your information.

Since this event occurred, ORNL has implemented a PCB tracking system which will ensure that PCB wastes are shipped within nine months of generation and disposed within one year.

If your staff have any questions on this report, they may contact Rick Collier of my staff at 576-0639.

Sincerely,

  
James A. Reafsnyder  
Deputy Assistant Manager for Energy  
Research and Development

ER-114:Collier

**Enclosures**

- 1) ORNL Exception Report
- 2) Hazardous Waste Manifest
- 3) Certificate of Destruction

**cc w/enclosures:**

Peter Gross, SE-31, ORO  
Jennifer Fowler, CC-10, ORO  
Bill Adams, EW-90, ORO  
Frank Kornegay, ORNL

March 14, 1991

Mr. Rick Collier  
Department of Energy, Oak Ridge Operations  
Post Office Box 2008  
Oak Ridge, Tennessee 37831-6269

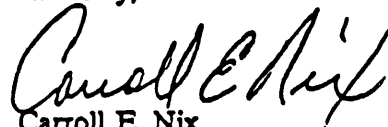
**Submittal of Polychlorinated Biphenyls Exception Report for Oak Ridge National Laboratory**

Reference: Letter, L. E. McNeese and J. H. Swanks to J. A. Reafsnyder, Subject: Submittal of Polychlorinated Biphenyls Exception Report for Oak Ridge National Laboratory Waste Shipped to Rollins Environmental Services, January 30, 1991

At your request, I have reviewed the material attached to the referenced correspondence. The submittal represents a detailed account of the handling of the subject waste; however, I have condensed the material to include only that required by the Environmental Protection Agency as outlined in the Code of Federal Regulations 40 Part 761.215 (d) and (e) (copy attached).

If you have any questions, please call me at 574-7363.

Sincerely,



Carroll E. Nix  
Environmental Compliance Section

CEN:jlr

**Attachment**

cc/att: H. L. Adair  
D. M. Carden, DOE/ORO  
N. S. Dailey  
K. G. Edgemon, Jr.  
J. K. Greer, Jr.  
J. S. Greer, DOE/ORO  
F. C. Komegay  
T. P. A. Perry

J. A. Reafsnyder, DOE/ORO  
M. W. Rosenthal, DOE/ORO  
T. F. Scanlan  
A. W. Trivelpeiece - RC  
L. Wesley  
J. H. Swanks  
L. E. McNeese

**OAK RIDGE NATIONAL LABORATORY (ORNL) EXCEPTION REPORT**

Pursuant to 40 CFR 761.215(d) and (e), the following information is provided:

1. Date when the Polychlorinated Biphenyl (PCBs) or PCB items were removed from service for disposal [40 CFR 761.215(e)(2)i].

The PCB-contaminated waste was generated on November 10 and 11, 1989, from the cleanup of a PCB-contaminated oil spill from a tank that ruptured during excavation. The spilled oil contained a PCB concentration of 209 ppm. 175 drums of soil, oil/water, and clean-up materials were generated.

2. Date(s) waste was shipped to a disposal facility [40 CFR 761.215 (e)(2) iii] and disposal facility [40 CFR 761.215(e)(2) iv].

Most of the material (153 drums) was shipped to Rollins Environmental Services (TX) Inc., on June 26 and 29, 1990. The remaining 22 drums were shipped to Rollins on November 8, 1990. See Enclosure 2 for a copy of the manifest for this transfer.

3. Reason(s) for delay in disposal within one year from date of waste generation [40 CFR 761.215 (e)(2)v].

Rollins Environmental Services requested in June 1990 that a gas chromatographic/mass spectroscopy analysis be run on the water and soil contained in the 22 drums. Consequently, these 22 drums were not shipped on June 26 and 29, 1990, but remained in storage until further analytical results were received. Analytical results received during the week of July 16, 1990, indicated no detectable PCB contamination; however, there were Resource Conservation and Recovery Act (RCRA) contaminants (lead and barium) present.

Since there were no detectable levels of PCBs, it was mistakenly assumed the waste was no longer subject to Toxic Substance Control Act (TSCA) regulation, i.e., disposal within one year. In late September 1990, the waste was correctly identified as TSCA-regulated since it was generated from a spill of material containing PCBs at concentrations greater than 50 ppm. By mid October 1990, arrangements were made to ship the subject 22 drums to Rollins for disposal by incineration.

The waste was shipped on November 8, 1990, and arrived at Rollins on November 9, 1990. The drums were incinerated on November 23, 1990, and December 16, 1990. See Enclosure 3 for a copy of the certificate of destruction.

TEXAS WATER COMMISSION  
P.O. Box 13087, Capitol Station  
Austin, Texas 78711-3087



Form approved OMB No. 2010-0028 (03/04) (10/00) 37

Please print or type. Form designed for use on 8 1/2 inch wide paper.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TX 1990090003100279

2. Page 1 of 2  
3. Information on the previous page is not required by Federal law.

3. Generator's Name and Mailing Address  
U.S. DOE, CAK RIDGE NATIONAL LABORATORY  
P.O. BOX 2008, CAK RIDGE, TN. 37831-6198

A. State Manifest Document Number  
No 00224889

B. State Generator's ID  
99947

5. Transporter 1 Company Name  
CUSTOM ENVIRONMENTAL TRANSPORT

5. US EPA ID Number  
DE D 9 8 0 9 1 8 3 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.  
P.O. BOX 609, 2027 BATTLEGROUND ROAD  
DEER PARK, TEXAS 77536

10. US EPA ID Number  
TX D 0 5 5 1 4 1 3 7 8

G. State Facility's ID  
50089

H. Facility's Phone  
713-930-2300

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type 13. Total Quantity 14. Unit No. 15. Waste No.

a. RO, WASTE HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
CRY-E, N49188 (POLYCHLORINATED BIPHENYLS)  
(DOCE)

0 2 2 DM 0 4 5 8 7 K 910550

b. RO, HAZARDOUS SUBSTANCE, SOLID, N.O.S.,  
CRY-E, N49188 (POLYCHLORINATED BIPHENYLS)

0 0 5 DM 0 2 7 9 K 179430

c. RO, HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
CRY-E, N49188 (POLYCHLORINATED BIPHENYLS)

0 0 1 DM 0 1 1 9 K 118870

d. RO, HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
CRY-E, N49188 (POLYCHLORINATED BIPHENYLS)

0 0 1 DM 0 2 1 8 K 179430

J. Additional Descriptions for Materials Listed Above 11a. HD-4663, 11b. HD-47499  
See continuation sheet. 11c. HD-47499, 11d. HD-47530  
Site of generation. U.S. DOE, Oak Ridge National Laboratory  
P.O. Box 2008, Oak Ridge, TN.  
37831-6198

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information  
Dike and contain spill, avoid skin contact. In case of emergency or spill, contact  
L. C. Wesley (615) 574-7467 or K. G. Edgeron (615) 574-1779 or ORNL shift supervisor  
(615) 574-6605. Haz. substance release: U.S. Coast Guard 1-800-424-2802/(202)267-2675

16. GENERATOR'S CERTIFICATION. I hereby declare that the contents of this assignment 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 threats 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 On behalf of the USDOE  
F.C. KORNBERG

Signature  
F.C. Kornberg  
Date  
11/08/90

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed: Typed Name  
DONALD R. RETLIFE

Signature  
Donald R. Retlife  
Date

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed: Typed Name

Signature  
Date

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

## "Continuation Page"

State Manifest Document No: CO224889

ROLLINS HO NUMBER	GENERATOR'S "UNIQUE ID No." (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-46683	ORNL 1601	OIL/WATER	11-10-89	230.5	PCB 2
HO-46683	ORNL 1602	OIL/WATER	11-10-89	235.9	PCB 2
HO-46683	ORNL 1603	OIL/WATER	11-10-89	235.0	PCB 2
HO-46683	ORNL 1604	OIL/WATER	11-10-89	235.8	PCB 2
HO-46683	ORNL 1612	OIL/WATER	11-10-89	229.6	PCB 2
HO-46683	ORNL 1615	OIL/WATER	11-10-89	246.0	PCB 2
HO-46683	ORNL 1620	OIL/WATER	11-10-89	217.8	PCB 2
HO-46683	ORNL 1621	OIL/WATER	11-10-89	232.3	PCB 2
HO-46683	ORNL 1625	OIL/WATER	11-10-89	216.9	PCB 2
HO-46683	ORNL 1626	OIL/WATER	11-10-89	50.0	PCB 2
HO-46683	ORNL 1627	OIL/WATER	11-10-89	224.1	PCB 2
HO-46683	ORNL 1628	OIL/WATER	11-10-89	227.3	PCB 2
HO-46683	ORNL 1629	OIL/WATER	11-10-89	231.3	PCB 2
HO-46683	ORNL 1631	OIL/WATER	11-10-89	232.3	PCB 2
HO-46683	ORNL 1643	OIL/WATER	11-10-89	222.3	PCB 2
HO-46683	ORNL 1646	OIL/WATER	11-10-89	227.8	PCB 2
HO-46683	ORNL 1647	OIL/WATER	11-10-89	217.8	PCB 2
HO-46683	ORNL 1656	OIL/WATER	11-10-89	229.6	PCB 2
HO-46683	ORNL 1657	OIL/WATER	11-10-89	231.4	PCB 2
HO-46683	ORNL 1679	OIL/WATER	11-10-89	231.9	PCB 2
HO-46683	ORNL 1707	OIL/WATER	11-10-89	20.9	PCB 2
HO-46683	ORNL 1727	OIL/WATER	11-10-89	242.3	PCB 2
HO-47499	ORNL 1718	WIPES/ABSORBENT	11-17-89	51.7	PCB 2
HO-47499	ORNL 1719	WIPES ABSORBENT	11-17-89	31.8	PCB 2
HO-47499	ORNL 1720	WIPES/ABSORBENT	11-17-89	40.0	PCB 2
HO-47499	ORNL 1721	WIPES/ABSORBENT	11-17-89	38.1	PCB 2
HO-47499	ORNL 1722	WIPES/ABSORBENT	11-17-89	117.1	PCB 2
HO-47498	ORNL 1726	OIL	11-17-89	118.7	PCB 2
HO-47530	ORNL 1596	INSULATORS	12-05-89	217.8	PCB 1

.....  
 Certificate of Destruction Stream Bill of Invoice Manifest Received Final  
 Name and Address      Number Lading Pounds      Number      Date      Destruct  
 .....  
 046683 121734 10,040 TX00224889 11/09/90 12/16/90

U.S. DOE, OAK RIDGE NATL. L  
 P O BOX 2008  
 OAK RIDGE      TN 37831-6198  
 Attn: F.C. KORNEGAY

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER			Suff Code	SHP TO	Destroyed Mthd	Date
		Type	Pounds	Contents				
001551361	CRNL 1643	55SD	476	LIQUID	46	I	11/23/90	
001551362	CRNL 1503	55SD	478	LIQUID	46	I	11/23/90	
001551363	CRNL 1620	55SD	468	LIQUID	46	I	11/23/90	
001551364	CRNL 1621	55SD	460	LIQUID	46	I	11/23/90	
001551365	CRNL 1631	55SD	480	LIQUID	46	I	11/23/90	
001551366	CRNL 1727	55SD	486	LIQUID	46	I	11/23/90	
001551367	CRNL 1646	55SD	500	LIQUID	46	I	11/23/90	
001551368	CRNL 1629	55SD	452	LIQUID	46	I	11/23/90	
001551369	CRNL 1626	55SD	108	LIQUID	46	I	11/23/90	
001551370	CRNL 1679	55SD	492	LIQUID	46	I	11/23/90	
001551371	CRNL 1601	55SD	464	LIQUID	46	I	11/23/90	
001551372	CRNL 1625	55SD	452	LIQUID	46	I	11/23/90	
001551373	CRNL 1656	55SD	476	LIQUID	46	I	11/23/90	
001551374	CRNL 1602	55SD	470	LIQUID	46	I	11/23/90	
001551375	CRNL 1657	55SD	486	LIQUID	46	I	11/23/90	
001551376	CRNL 1627	55SD	462	LIQUID	46	I	11/23/90	
001551377	CRNL 1612	55SD	486	LIQUID	46	I	11/23/90	
001551378	CRNL 1604	55SD	474	LIQUID	46	I	11/23/90	
001551379	CRNL 1647	55SD	454	LIQUID	46	I	11/23/90	
001551380	CRNL 1628	55SD	460	LIQUID	46	I	11/23/90	
001551381	CRNL 1615	85OP	625	LIQUID	46	I	12/16/90	
001551382	CRNL 1707	35SD	16	LIQUID	48	I	12/16/90	

Total Containers :      22      9,725



# 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: U.S. DOE, Oak Ridge  
Oak Ridge, In.

STATE MANIFEST DOCUMENT NO.: 00224896

DATE OF RECEIPT AT FACILITY: 6/28/90

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

Jana Milum

RES (TX), Inc.

7/2/90  
Date



# 3004

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

Form approved, OMB No. 2050-CC39, expires 09-30-91

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. TN1890090003		Manifest Document No. 00263		2. Page 1 of 3		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address U.S. DOE, Oak Ridge National Laboratory P. O. Box 2008, Oak Ridge, Tennessee 37831-6058						A. State Manifest Document Number No 00224896					
4. Generator's Phone (615) 574-7467 ATTN: L. C. Wesley						B. State Generator's ID 99947					
5. Transporter 1 Company Name Custom Environmental Transport				6. US EPA ID Number DED980918858		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 P. O. Box 609, 2027 Battleground Road Deer Park, Texas 77536						10. US EPA ID Number TXD055141378		G. State Facility's ID 50089			
ROLLINS ENVIRONMENTAL SERVICES (TX) INC.						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.	13. Total Quantity	14. Unit Wt. Vol	1. Waste No.			
	a. RQ, Waste Hazardous Substance, liquid, N.O.S. ORM-E, NA 9188 (Polychlorinated Biphenyls)				076	DM	1.7555	K	910550 FO01, FO02		
	b.										
	c.										
	d.										
J. Additional Descriptions for Materials Listed Above See continuation sheet.						K. Handling Codes for Wastes Listed Above Tide					
Site of Generation: U.S. DOE, Oak Ridge National Laboratory P. O. Box 2008, Oak Ridge, TN 37831-6058											
11a) HO 46684-46											
15. Special Handling Instructions and Additional Information Dike and contain spill, avoid skin contact. In case of emergency or spill, contact L. C. Wesley (615) 574-7467 or K. G. Edgemon (615) 574-1779 or ORNL shift supervisor (615) 574-6606. Haz. substance release: Call US Coast Guard 1-800-424-8802/(202)267-2675											
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. 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 on behalf of the US DOE F. C. Kornegy				Signature on behalf of the US DOE F. C. Kornegy				Month Day Year 06 26 90			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Bobby G. Jackson				Signature Bobby G. Jackson				Month Day Year 06 26 90			
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 Paul Mangrum				Signature Paul Mangrum				Month Day Year 10 28 90			

"Continuation Page"

State Manifest Document NO: 00224896

ROLLINS HO-NUMBER	GENERATOR'S "UNIQUE ID NO" (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-46684-46	ORNL1605 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1606 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1607 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1608 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1609 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1610 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1611 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1613 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1614 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1615 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1617 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1618 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1619 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1622 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1623 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1624 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1630 ✓	WATER	11/9/89	208.45/K	PCB 2
HO-46684-46	ORNL1641 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1642 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1644 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1645 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1648 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1649 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1650 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1651 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1652 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1653 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1654 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1655 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1658 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1659 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1660 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1661 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1662 ✓	WATER	11/10/90	208.45/K	PCB 2
HO-46684-46	ORNL1663 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1664 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1665 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1666 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1667 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1668 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1669 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1670 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1671 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1672 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1673 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1675 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1678 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1680 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1681 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1682 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1683 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1684 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1685 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1686 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1687 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1688 ✓	WATER	11/10/89	208.45/K	PCB 2
HO-46684-46	ORNL1689 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1690 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1691 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1692 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1693 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1694 ✓	WATER	11/11/89	208.45/K	PCB 2

"Continuation Page"

State Manifest Document NO: 00224896

ROLLINS NO-NUMBER	GENERATOR "UNIQUE ID NO" (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-46684-46	ORNL1696 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1697 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1698 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1699 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1700 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1701 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1702 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1703 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1704 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1705 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1706 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1676 ✓	WATER	11/11/89	208.45/K	PCB 2
HO-46684-46	ORNL1677 ✓	WATER	11/11/89	208.45/K	PCB 2

7-2-1990

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

July 27, 1990

U.S. DEPT. OF ENERGY  
OAK RIDGE NATIONAL LABORATORY  
P.O. BOX 2008  
OAK RIDGE, TN 37831-6058

ATTN: L.C. Wesley

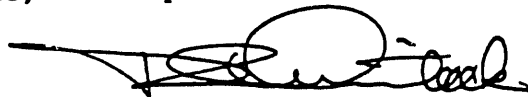
Dear Mr. Wesley:

This is to certify the PCB liquid referenced below were incinerated as of 07/17/90 at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

The attachment enclosed is a list of the unique identifying numbers for the following mentioned HO number and the destruction date of each.

TOTAL POUNDS	-38625
H. O. NUMBER	-46684-46
DATE RECEIVED	-06/28/90
B/L NUMBER	-118305
TWC MANIFEST NUMBER	-00224896

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



ROBERT S. WHITLOCK  
OPERATIONS MANAGER

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

CERTIFICATE OF DESTRUCTION ATTACHMENT

GENERATOR'S UNIQUE IDENTIFYING NO.

DESTRUCTION DATE

ORNL 1605  
ORNL 1609  
ORNL 1608  
ORNL 1645  
ORNL 1641  
ORNL 1686

7-17-90  
↓



US ENVIRONMENTAL SERVICES (TX) INC.  
 OTHER MOVEMENT REPORT (PCB'S)

REPORTING (EMPTY)  INCOMING FROM CUST.

VAN NO.: 3004

PAGE 2

6

CUSTOMER NAME: Maxin Marie HA

HOL. REF NO.: 118305

CHR NO.: 6127190

MANIFEST NO.: 0022489760224896

HOL. LUS.:

WER NO.: 6128190 RES NO: 91000

CONTAINER DESCRIP/ ID	DT OF REMOVAL		CONT	- STREAM -		CUSTOMER UNIQUE SERIAL NO.	RES SERIAL NUMBER	SERIAL NUMBER POUNDS	WISE LOCATION	DEST TYPE	DEST DATE	
	Mo	Da		Yr	NUMBER							SFX
SSSD	11	10	89	4	46684	46	ORNL 1651	1348467	526	R163	D	7/17/90
	11	10	89				1654	468	514		↓	
	11	9	89				1611	469	500		D	7/17/90
	11	10	89				1653	470	518		↓	
	11	10	89				1666	471	526		↓	
	11	10	89				1648	472	512		↓	
	11	10	89				1661	473	504		↓	
	11	10	89				1673	474	528		D	7/17/90
	11	10	89				1669	475	518		↓	
	11	10	89				1667	476	524		D	7/17/90
	11	11	89				1677	477	508		↓	
	11	10	89				1678	478	498		↓	
	11	10	89				1663	479	510		↓	
	11	10	89				1665	480	508		↓	
NOTE: Content Codes - 1=Capacitors, 2=Debris, 3=Transformers, 4=Isiquid, 5=Sludge, 6=Solid											7,194	CHR TOTAL

COMMENTS:

certify the above listing is accurate and correct.

Allen Peter 7/1/90  
 DATE

VAN NO.: 3004

US ENVIRONMENTAL SERVICES (TX) INC.  
 OTHER MOVEMENT REPORT (PCB'S)  
 IF GOING (EMPTY)  INCOMING FROM CUST.

CUSTOMER NAME: Martin, Maricella  
 CNR NO.: 6127190  
 BOL DATE: 6/27/90  
 MANIFEST NO.: 00224897/00224896

BOL REF NO.: 118305  
 BOL LBS.: \_\_\_\_\_

REC'D: 6/28/90 RES NO: 91000

CONTAINER DESCRIP/ BTL - ID	DT OF REMOVAL FROM SERVICE		CONT	- STREAM -		CUSTOMER UNIQUE SERIAL NO.	RES SERIAL NUMBER	SERIAL NUMBER POUNDS	WISE LOCATION	DEST TYPE	DEST DATE	
	Mo	Da		Yr	NUMBER							SFX
55SD	11	11	89	4	46684	46	ORNL 1701	1348481	512	R163	D	7/17/90
	11	9	89				1613	482	510			
	11	10	89				1659	483	474			
	11	10	89				1658	484	526			
	11	10	89				1649	485	512		D	7/17/90
	11	11	89				1698	486	494			
	11	11	89				1699	487	482			
	11	11	89				1703	488	516			
	11	11	89				1705	489	510			
	11	11	89				1704	490	492			
	11	11	89				1697	491	498			
	11	11	89				1696	492	508			
	11	11	89				1690	493	528		D	7/17/90
	11	11	89				1694	494	524			
											7,086	CHR TOTAL

NOTE: Content Codes - 1=Capacitors, 2=Debris, 3=Transformers, 4=Liquid, 5=Sludge, 6=Solid

Verify the above listing is accurate and correct. COMMENTS: \_\_\_\_\_

Allen Peticola 7/1/90 DATE



ES ENVIRONMENTAL SERVICES (TX) INC.  
 ORDER MOVEMENT REPORT (PCB'S)  
 FOLDING (EMPTY)  INCOMING FROM CUST.

VAN NO.: 3004 PAGE 5 6

CUSTOMER NAME: Martin Marietta

CHR NO.: 6127190 BOL REF NO.: 118505

BOL DATE: 0222897 BOL LBS.: 00224896

HANIFEST NO.: 00224897 00224896

ORDER NO.: 6128120 RES NO: 91000

CONTAINER DESCRIP/ ID	DT OF REMOVAL/ FROM SERVICE		CONT	- STREAM -		CUSTOMER UNIQUE SERIAL NO.	RES SERIAL NUMBER	SERIAL NUMBER POUNDS	WASTE LOCATION	DEST TYPE	DEST DATE	
	Mo	Da		Yr	NUMBER							SFX
55 SD	11	10	89	4	46684	46	ORNL 1687	1348509	522	R163	D	7/17/90
	11	11	89				1700	510	522			
	11	10	89				1668	511	510			
	11	10	89				1655	512	512			
	11	10	89				1652	513	508		D	7/17/90
	11	10	89				1650	514	518			
	11	10	89				1685	515	520			
	11	10	89				1688	516	410			
	11	9	89				1610	517	514		D	7/17/90
	11	10	89				1642	518	500			
	11	10	89				1683	519	470			
	11	10	89				1644	520	512			
	11	9	89				1630	521	518			
	11	9	89				1607	522	518			
Legend: Content Codes - 1=Capacitors, 2=Debris, 3=Transformers, 4=Liquid, 5=Sludge, 6=Solid											7,054	CHR TOTAL

Verify the above listing is accurate and correct. COMMENTS:

Allen Patis 7/1/90  
 DATE



H-3004

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

Form approved. OMB No. 2050-0029, expires 09-30-91

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. TN1890090003	Manifest Document No. 00263	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. DOE, Oak Ridge National Laboratory P. O. Box 2008, Oak Ridge, Tennessee 37831-6058				A. State Manifest Document Number No 00224897		
4. Generator's Phone (615) 574-7467 ATTN: L. C. Wesley				B. State Generator's ID 99947		
5. Transporter 1 Company Name Custom Environmental Transport		6. US EPA ID Number DED980918858		C. State Transporter's ID 40756		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 713-930-4500		
9. Designated Facility Name and Site Address P.O. Box 609, 2027 Battleground Road Deer Park, Texas 77536 Rollins Environmental Services, (TX) Inc. TXD055141378				E. State Transporter's ID		
10. US EPA ID Number				F. Transporter's Phone		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. RQ, Waste Hazardous Substance, liquid, N.O.S. ORM-E-NA 9188 (Polychlorinated Biphenyls)				12. Containers No. Type 004 DM	13. Total Quantity 450 mg 00376	14. Unit Wt/Vol K
11A. HM				1. Waste No. 118870		
J. Additional Descriptions for Materials Listed Above 11a) See continuation sheet. Site of Generation: U.S. DOE, Oak Ridge National Laboratory P. O. Box 2008, Oak Ridge, TN 37831-6058				K. Handling Codes for Wastes Listed Above T06		
15. Special Handling Instructions and Additional Information Dike and contain spill, avoid skin contact. In case of emergency or spill contact L. C. Wesley (615) 574-7467 or K. G. Edgemon (615) 574-1779 or ORNL Shift Supervisor (615) 574-6606. Haz. Substance release: Call US Coast Guard 1-800-424-8802/(202)267-2675						
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 on behalf of the US DOE Mr F. C. Kornegay		Signature on behalf of the US DOE F. C. Kornegay		Month Day Year 06   26   90		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Bobby B. Jackson		Signature Bobby B. Jackson		Month Day Year 06   26   90		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space Per my phone conversation with Frank Kornegay the above quantity has been changed to reflect the actual amount received by RES (TX) Inc. L. M. Cliskey 7/3/90						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name RAUL MANARUM		Signature Raul Manarum		Date 06   28   90		

"Continuation Page"

STATE MANIFEST DOCUMENT NO: 00224897

ROLLINS HO-NUMBER	GENERATOR'S "UNIQUE ID NO" (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-47496-83	ORNL1597✓	TRANSFORMERS	11/7/89	137.7/K	PCB 1
HO-47496-83	ORNL1598✓	TRANSFORMERS	11/7/89	79.5/K	PCB 1
HO-47496-83	ORNL1599✓	TRANSFORMERS	11/7/89	79.5/K	PCB 1
HO-47496-83	ORNL1600✓	TRANSFORMERS	11/7/89	79.5/K	PCB 1

P 8/16/90

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

August 16, 1990

U.S. DOE, OAK RIDGE NATIONAL LABORATORY  
P.O. BOX 2008  
OAK RIDGE, TN 37831-6058  
ATTN: L.C. WESLEY

Dear Mr. Wesley:

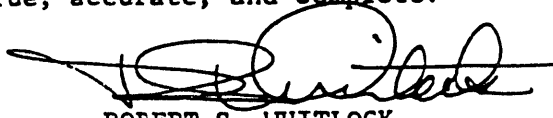
This is to certify the transformers referenced below were landfilled as of 7/24/90 at the following facility: U. S. Ecology, P. O. Box 576, Beatty, Nevada (EPA ID# NVT 330010000) in accordance with all PCB regulations.

The attachment enclosed is a list of the unique identifying numbers for the following mentioned HO Number and the destruction date of each.

TOTAL POUNDS	-1055
HO NUMBER	-47496-83
DATE RECEIVED	-6/28/90
B/L NUMBER	-118305
TWC MANIFEST NUMBER	-00224897

This is to certify that the transformers were drained and/or flushed and that the liquids and/or flushate were incinerated (all in accordance with 40CFR761) as of 7/21/90 at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, TX 77536 (EPA ID# 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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



ROBERT S. WHITLOCK  
OPERATIONS MANAGER

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

CERTIFICATE OF DESTRUCTION ATTACHMENT

<u>GENERATOR'S UNIQUE IDENTIFYING NO.</u>		<u>DESTRUCTION DATE</u>
1599	TRANS LF	7/24/90
"	LIQ INC.	7/21/90
1600	TRANS LF	7/24/90
"	LIQ INC.	7/21/90
1597	TRA LF	7/24/90
"	LIQ INC.	7/21/90
1598	TRANS LF	7/24/90
"	LIQ INC.	7/21/90



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

Form approved. OMB No. 2050-CC39, expires 09-30-91

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. TN 1890090003100264		Manifest Document No. 100264		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address U.S. DOE, OAK RIDGE NATIONAL LABORATORY P.O. BOX 2008, OAK RIDGE, TN 37831-6058						A. State Manifest Document Number No 00224890					
4. Generator's Phone (615) 574-7467 ATTN: L.C. WESLEY						B. State Generator's ID 99947					
5. Transporter 1 Company Name CUSTOM ENVIRONMENTAL TRANSPORT				6. US EPA ID Number DE D980918858		C. State Transporter's ID 40756					
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone					
9. Designated Facility Name and Site Address P.O. BOX 609, 2027 BATTLEGROUND, Rd. DEER PARK, TEXAS 77536				10. US EPA ID Number		E. State Transporter's ID					
ROLLINS ENVIRONMENTAL SERVICES (TX) INC. TX D 055141378						F. Transporter's Phone					
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	15. Waste No.	
	a. RR, WASTE HAZARDOUS SUBSTANCE, LIQUID, N.O.S., ORM-E, NA 9188 (POLYCHLORINATED DIPHENYLS) F001 F002					001 DM00208		127m	K	910550	
	b.										
	c.										
	d.										
J. Additional Descriptions for Materials Listed Above SEE CONTINUATION SHEET. SITE OF GENERATION: U.S. DOE OAK RIDGE NATIONAL LABORATORY P.O. BOX 2008, OAK RIDGE, TN 37831-6058						K. Handling Codes for Wastes Listed Above T 06					
15. Special Handling Instructions and Additional Information DIKE AND CONTAIN SPILL, AVOID SKIN CONTACT. IN CASE OF EMERGENCY OR SKIN CONTACT L.C. WESLEY (615) 574-7467 OR K.G. Edgemon (415) 574-1779 OR ORNL SHIFT SUPERVISOR (615) 574-6606											
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 on behalf of the US DOE Mr F. C. Kornegay						Signature on behalf of the US DOE F. C. Kornegay					
17. Transporter 1 Acknowledgement of Receipt of Materials						Date 06 29 90					
Printed/Typed Name DONALD R. RATLIFF				Signature Donald R. Ratliff		Month Day Year 06 29 90					
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 Frank Kornegay the above quantity has been changed to reflect the actual amount received by RES (TX) Inc.											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19 RES (TX) INC						Signature C. Trevies					
Printed/Typed Name CTREVIES						Date 06 30 90					

Continuation Page

STATE MANIFEST DOCUMENT NO: 00224890

ROLLINS NO-NUMBER	GENERATOR'S "UNIQUE ID NO" (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-46684-46	ORNL1821 ✓	WATER	12/14/89	208.45/K	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: U.S. DOE  
Oak Ridge, Tn

STATE MANIFEST DOCUMENT NO.: 00224890

DATE OF RECEIPT AT FACILITY: 6/30/90

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

Jan Milum

RES (TX), Inc.

7/3/90  
Date

TJ 7/31/90

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

July 31, 1990

US DOE  
P. O. BOX 2008  
OAK RIDGE, TN 37831-6058

ATTN: L. C. WESLEY

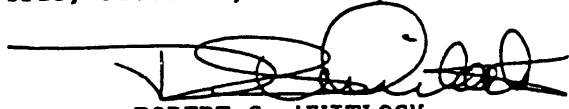
Dear Mr. Wesley:

This is to certify the PCB liquid referenced below were incinerated as of 07/11/90 at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

The attachment enclosed is a list of the unique identifying numbers for the following mentioned HO number and the destruction date of each.

TOTAL POUNDS	-280
H. O. NUMBER	-46684-46
DATE RECEIVED	-06/30/90
B/L NUMBER	-118353
TWC MANIFEST NUMBER	-00224890

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



ROBERT S. WHITLOCK  
OPERATIONS MANAGER

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

CERTIFICATE OF DESTRUCTION ATTACHMENT

GENERATOR'S UNIQUE IDENTIFYING NO.

DESTRUCTION DATE

ORNL 1821

7/11/90



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. TN 1890090003		Manifest Document No. D0264		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN 37831-6058						A. State Manifest Document Number No 00224891					
4. Generator's Phone (615) 574-7467 Attn: L.C. Wesley						B. State Generator's ID 99947 LW					
5. Transporter 1 Company Name CUSTOM ENVIRONMENTAL TRANSPORT				6. US EPA ID Number DED980918858		C. State Transporter's ID 407656					
7. Transporter 2 Company Name						D. Transporter's Phone 13-930-4500					
9. Designated Facility Name and Site Address P.O. Box 609, 2027 Battleground Rd. Deer Park, Texas 77536 ROLLINS ENVIRONMENTAL SERVICES (TX) INC TX D 0 5 5 1 4 1 3 7 8						10. US EPA ID Number		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	15. Waste No.		
		a. RQ, Waste Hazardous Substance, Liquid, N.O.S. ORM-E NA9188 (Polychlorinated Biphenyls)			001 DM		0.250	K	118870		
		b.									
		c.									
		d.									
J. Additional Descriptions for Materials Listed Above See Continuation Sheet. 11a) HO-47495-40 Site of Generation: U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008 Oak Ridge, TN 37831-6058						K. Handling Codes for Wastes Listed Above T-De					
15. Special Handling Instructions and Additional Information Dike and contain spill, avoid skin contact. In case of emergency or spill contact L.C. Wesley (615) 574-7467 or K.G. Edgemon (615) 5741779 or ORNL Shift Supervisor (615) 574-6606											
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 on behalf of the US DOE F. C. Kornejey				Signature on behalf of the US DOE F. C. Kornejey				Month Day Year 06 28 90			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name DONALD R. RATLIFF				Signature Donald R. Ratliff				Date 06 29 90			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Date			
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 CTREYES				Signature CTreyes				Date 06 30 90			

# 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: U.S. DOE  
Dak Ridge, Ar.

STATE MANIFEST DOCUMENT NO.: 00224891

DATE OF RECEIPT AT FACILITY: 6/30/90

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

*Paul Nelson*

RES (TX), Inc.

7/3/90

Date

Continuation Page

STATE MANIFEST DOCUMENT NO: 00224891

ROLLINS HO-NUMBER	GENERATOR'S "UNIQUE ID NO" (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-47495-40	ORNL1574✓	OIL	10/24/89	250/K	PCB 2

TJ7/31/90

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

July 31, 1990

US DOE  
P. O. BOX 2008  
OAK RIDGE, TN 37831-6058

ATTN: L. C. WESLEY

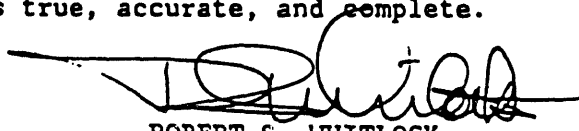
Dear Mr. Wesley:

This is to certify the PCB liquid referenced below were incinerated as of 07/11/90 at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

The attachment enclosed is a list of the unique identifying numbers for the following mentioned HO number and the destruction date of each.

TOTAL POUNDS	-570
H. O. NUMBER	-47495-40
DATE RECEIVED	-06/30/90
B/L NUMBER	-118353
TWC MANIFEST NUMBER	-00224891

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

  
ROBERT S. WHITLOCK  
OPERATIONS MANAGER

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

CERTIFICATE OF DESTRUCTION ATTACHMENT

GENERATOR'S UNIQUE IDENTIFYING NO.

DESTRUCTION DATE

ORNL 1574

2/11/90



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

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. TN 1 8 9 0 0 9 0 0 0 3		Manifest Document No. 00264		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN 37831-6058						A. State Manifest Document Number No 00224892			
4. Generator's Phone (615)574-7467 Attn: L.C. Wesley						B. State Generator's ID 99947			
5. Transporter 1 Company Name CUSTOM ENVIRONMENTAL TRANSPORT						C. State Transporter's ID 40756			
6. US EPA ID Number D E D 9 8 0 9 1 8 8 5 8						D. Transporter's Phone 713-930-4500			
7. Transporter 2 Company Name						E. State Transporter's ID			
8. US EPA ID Number						F. Transporter's Phone			
9. Designated Facility Name and Site Address P.O. Box 609 2027 Battleground Road Deer Park, Texas 77536 Robins Environmental Services, (TX) Inc.						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.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
	a. RQ, Waste Hazardous Substance, Liquid, N.O.S. ORM-E NA9188 (Polychlorinated Biphenyls)				1	1755	K	118870	
	b.								
	c.								
	d.								
J. Additional Descriptions for Materials Listed Above See Continuation Sheet. Site of Generation: U.S. DOE, Oak Ridge National Laboratory 1a) HO-47498-40 P.O. Box 2008, Oak Ridge, TN 37831-6058						K. Handling Codes for Wastes Listed Above T06			
15. Special Handling Instructions and Additional Information Dike and contain spill, avoid skin contact. In case of emergency or spill contact L.C. Wesley (615)574-7467 or K.G. Edgemon (615)574-1779 or ORNL Shift Supervisor (615) 574-6606									
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 on behalf of the generator F. C. Kornegay					Signature on behalf of the generator F. C. Kornegay				
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name					Signature Date Month Day Year				
18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name DONALD R. RATLIFF					Signature Donald R. Ratliff Date Month Day Year 10 6 12 90				
19. Discrepancy Indication Space Per my phone conversation with Frank Kornegay the above quantity has been changed to reflect the actual amount received by RES (TX) Inc. L.C. Wesley 7/3/90									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. RES (TX) INC					Signature Date Month Day Year 10 6 13 90				
Printed/Typed Name CTREYES					Signature Date Month Day Year				

# 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: U.S. DOE  
Oak Ridge Jn  
STATE MANIFEST DOCUMENT NO.: 00224892  
DATE OF RECEIPT AT FACILITY: 6/30/90

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

Jan Melum

RES (TX), Inc.

7/3/90

Date

Continuation Page

STATE MANIFEST DOCUMENT NO: 00224892

OLLINS O-NUMBER	GENERATOR'S "UNIQUE ID NO" (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
O-47498-40	ORNL1584 ✓	OIL	10/31/89	40/K	PCB 2
O-47498-40	ORNL1723 ✓	OIL	11/17/89	100/K	PCB 2
O-47498-40	ORNL1717 ✓	OIL	11/17/89	75/K	PCB 2
O-47498-40	ORNL1576 ✓	OIL	10/24/89	40/K	PCB 2
O-47498-40	ORNL1582 ✓	OIL	10/31/89	125/K	PCB 2 <i>699 m</i>
O-47498-40	ORNL1583 ✓	OIL	10/31/89	250/K	PCB 2 <i>768 m</i>
O-47498-40	ORNL1737 ✓	OIL	12/07/89	100/K	PCB 2
O-47498-40	ORNL1738 ✓	OIL	12/07/89	300/K	PCB 2
O-47498-40	ORNL1764 ✓	OIL	01/05/90	200/K	PCB 2
O-47498-40	ORNL1788 ✓	OIL	01/19/90	225/K	PCB 2

7-2-1990

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

July 31, 1990

US DOE  
P. O. BOX 2008  
OAK RIDGE, TN 37831-6058

ATTN: L. C. WESLEY

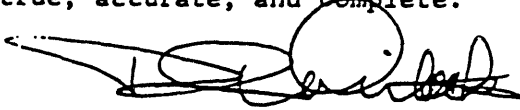
Dear Mr. Wesley:

This is to certify the PCB liquid referenced below were incinerated as of 07/17/90 at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

The attachment enclosed is a list of the unique identifying numbers for the following mentioned HO number and the destruction date of each.

TOTAL POUNDS	-3860
H. O. NUMBER	-47498-40
DATE RECEIVED	-06/30/90
B/L NUMBER	-118353
TWC MANIFEST NUMBER	-00224892

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

  
ROBERT S. WHITLOCK  
OPERATIONS MANAGER

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

CERTIFICATE OF DESTRUCTION ATTACHMENT

GENERATOR'S UNIQUE IDENTIFYING NO.

DESTRUCTION DATE

ORNL 1738	7/17/90
1737	
1723	
1717	
1584	
1788	
1583	
1582	
1764	
1576	



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. TN 1 8 9 0 0 9 0 0 0 3		Manifest Document No. 0 0 2 6 4		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN 37831-6058					A. State Manifest Document Number No 00224893				
4. Generator's Phone (615) 574-7467 Attn: L.C. Wesley					B. State Generator's ID 99947				
5. Transporter 1 Company Name CUSTOM ENVIRONMENTAL TRANSPORT					6. US EPA ID Number D F D 8 0 9 1 8 8 5 8		C. State Transporter's ID 40756		
7. Transporter 2 Company Name					8. US EPA ID Number		D. Transporter's Phone 713-930-4500		
9. Designated Facility Name and Site Address P.O. Box 609 2027 Battleground Road Deer Park, Texas 77535 Rollins Environmental Services (TX) INC.					10. US EPA ID Number T X D 0 5 5 1 4 1 3 7 8		E. State Transporter's ID		
							F. Transporter's Phone		
							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, Waste Hazardous Substance, Solid, N.O.S. 1001 ORM-E NA9188 (Polychlorinated Biphenyls) F002				053	DM	13595	K	979430
	b.								
	c.								
	d.								
J. Additional Descriptions for Materials Listed Above: See Continuation Sheet Site of Generation: U.S. DOE, Oak Ridge National Laboratory 11a) HO-46682-48 P.O. Box 2008, Oak Ridge, TN 37831-6058					K. Handling Codes for Wastes Listed Above T 0 7				
15. Special Handling Instructions and Additional Information Dike and contain spill, avoid skin contact. In case of emergency or spill contact L.C. Wesley (615) 574-7467 or K.G. Edgemon (615) 574-1779 or ORNL Shift Supervisor (615) 574-6606									
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 on behalf of the US DOE F. C. Kornej					Signature on behalf of the US DOE F. C. Kornej			Month Day Year 06 23 90	
17. Transporter 1 Acknowledgement of Receipt of Materials					Date				
Printed/Typed Name DONALD R. RATLIFF					Signature Donald R. Ratliff			Month Day Year 06 29 90	
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.									
Printed/Typed Name RES (TX) INC CTREYES					Signature CTreyes			Date 06 30 90	

# 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: U.S. DOE  
Oak Ridge, Tn.  
STATE MANIFEST DOCUMENT NO.: 00224893  
DATE OF RECEIPT AT FACILITY: 6/30/90

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

Paul Milum

RES (TX), Inc.

7/3/90

Date

Continuation Page

STATE MANIFEST DOCUMENT NO: 00224893

ROLLINS ID-NUMBER	GENERATOR'S "UNIQUE ID NO" (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-46682-48	ORNL1635 ✓	DIRT/DEBRIS	11/10/89	286/K	PCB 2
HO-46682-48	ORNL1636 ✓	DIRT/DEBRIS	11/10/89	286/K	PCB 2
HO-46682-48	ORNL1637 ✓	DIRT/DEBRIS	11/10/89	286/K	PCB 2
HO-46682-48	ORNL1638 ✓	DIRT/DEBRIS	11/10/89	91/K	PCB 2
HO-46682-48	ORNL1639 ✓	DIRT/DEBRIS	11/10/89	286/K	PCB 2
HO-46682-48	ORNL1640 ✓	DIRT/DEBRIS	11/10/89	91/K	PCB 2
HO-46682-48	ORNL1793	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1794	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1795	DIRT/DEBRIS	12/14/89	341/K	PCB 2
HO-46682-48	ORNL1796	DIRT/DEBRIS	12/14/89	227/K	PCB 2
HO-46682-48	ORNL1797	DIRT/DEBRIS	12/14/89	304/K	PCB 2
HO-46682-48	ORNL1798	DIRT/DEBRIS	12/14/89	318/K	PCB 2
HO-46682-48	ORNL1799	DIRT/DEBRIS	12/14/89	318/K	PCB 2
HO-46682-48	ORNL1800	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1801	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1802	DIRT/DEBRIS	12/14/89	318/K	PCB 2
HO-46682-48	ORNL1803	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1804	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1805	DIRT/DEBRIS	12/14/89	273/K	PCB 2
HO-46682-48	ORNL1806	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1807	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1808	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1809	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1810	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1811	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1812	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1813	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1814	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1815	DIRT/DEBRIS	12/14/89	250/K	PCB 2
HO-46682-48	ORNL1816	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1817	DIRT/DEBRIS	12/14/89	91/K	PCB 2
HO-46682-48	ORNL1818	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1819	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1820	DIRT/DEBRIS	12/14/89	45/K	PCB 2
HO-46682-48	ORNL1822	DIRT/DEBRIS	12/14/89	136/K	PCB 2
HO-46682-48	ORNL1823	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1824	DIRT/DEBRIS	12/14/89	273/K	PCB 2
HO-46682-48	ORNL1825	DIRT/DEBRIS	12/14/89	364/K	PCB 2
HO-46682-48	ORNL1826	DIRT/DEBRIS	12/14/89	91/K	PCB 2
HO-46682-48	ORNL1827	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1828	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1829	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1830	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1831	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1832	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1833	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1834	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1835	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1836	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1837	DIRT/DEBRIS	12/14/89	286/K	PCB 2
HO-46682-48	ORNL1839	DIRT/DEBRIS	12/14/89	27/K	PCB 2
HO-46682-48	ORNL1674 ✓	DIRT/DEBRIS	11/10/89	91/K	PCB 2
HO-46682-48	ORNL1838	DIRT/DEBRIS	12/14/89	286/K	PCB 2

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

August 22, 1990

U.S. DOE, OAK RIDGE NATIONAL LABORATORY  
P.O. BOX 2008  
OAK RIDGE, TN 37831-6058

ATTN: L.C. WESLEY

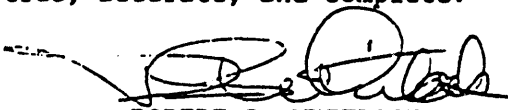
Dear Mr. Wesley:

This is to certify the PCB debris referenced below were incinerated as of 8/13/90 at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

The attachment enclosed is a list of the unique identifying numbers for the following mentioned HO number and the destruction date of each.

TOTAL POUNDS	-30020
H. O. NUMBER	-46682-48
DATE RECEIVED	-6/30/90
B/L NUMBER	-118353
TWC MANIFEST NUMBER	-00224893

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

  
ROBERT S. WHITLOCK  
OPERATIONS MANAGER

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

MANIFEST NO.: 00224893

RES LA

BOI, REF NO.: 118353

CUSTOMER INVOICE NO.: 6130190

CHR NO.: 6130190

BOI, DATE: 6/30/90

MANIFEST NO.: 00224893

RES NO: 91000

RES NO.: 6130190

CONTAINER DESCRIP/ UNIT - ID	DT OF REMOVAL FROM SERVICE		CONT	- STREAM -		CUSTOMER UNIQUE SERIAL NO.	RES SERIAL NUMBER	SERIAL NUMBER POUNDS	WASTE LOCATION	DEST TYPE	DEST DATE	
	Mo	Da		Yr	NUMBER							SEX
B55D	11	10	89	2	46682	48	ORNL 1674	1355823	252	R198	I	7/15/90
	11	10	89				1635	824	196		↓	
	12	14	89				1793	825	760		↓	
	11	10	89				1638	826	88		I	7/14/90
	12	14	89				1805	827	620		I	7/13/90
	12	14	89				1825	828	830		↓	
	12	14	89				1830	829	714		↓	
	12	14	89				1829	830	620		↓	
	12	14	89				1835	831	144		I	7/14/90
	12	14	89				1836	832	154		I	7/13/90
	12	14	89				1824	833	716		I	7/14/90
	12	14	89				1823	834	712		I	7/13/90
	12	14	89				1818	835	672		I	7/13/90
	12	14	89				1819	836	688		↓	
											7,166	CHR TOTAL

Content Codes - 1=Capacitors, 2=Debris, 3=Transformers, 4=Liquid, 5=Sludge, 6=Solid

Verify the above listing is accurate and correct. COMMENTS:

Allen Peters 7/1/90 DATE

US ENVIRONMENTAL SERVICES (TX) INC.  
 OTHER NOVEMBER REPORT (PCU'S)  
 WTCOING (EMPTY)  INCOMING FROM CUST.

CUSTOMER NAME: RES LA  
 CMR NO.: 6130190  
 MANIFEST NO.: 00224893

PAGE 2 OF 4

MANU NO.: 118353  
 VOL. REF NO.:  
 VOL. LBS.:

REC'D: 6/30/90 RES NO: 91000

CONTAINER DESCRIP/ ID	DT OF REMOVAL FROM SERVICE		COIT	- STREAM -		CUSTOMER UNIQUE SERIAL, NO.	RES SERIAL, NUMBER	SERIAL NUMBER	POUNDS	WASTE LOCATION	DEST TYPE	DEST DATE
	Mo	Da		Yr	NUMBER							
55 SD	12	14	89	2	46682	48	ORNL 1800	1355837	656	R198	I	7/13/90
	12	14	89				1799	838	474			
							1797	839	602			
							1798	840	718			7/13/90
							1832	841	586			7/13/90
							1831	842	672			7/13/90
							1833	843	468			
							1834	844	640			
							1828	845	660			
							1827	846	822			
							1837	847	620			
							1838	848	692			
							1811	849	666			
							1812	850	726			
											9,002	CHR TOTAL

Content Codes - 1=Capacitors, 2=Debris, 3=Transformers, 4=Liquid, 5=Sludge, 6=Solid

Verify the above listing is accurate and correct. COMMENTS:

DATE: 7/1/90  
 SIGNATURE: Allen Carter

MAN. NO.: 2514

CUSTOMER NAME: RES CA

MANIFEST NO.: 00224893

RES NO: 91000

DOI, DATE: 6/30/90

DOI, REF NO.: 18353

IS ENVIRONMENTAL SERVICES (TX) INC.  
 OTHER MOVEMENT REPORT (PCII'S)  
 PENDING (EMPTY)  INCOMING FROM CUST.

ORDER NO.: 6130190  
 RECEIVED: 6/30/90  
 CUSTOMER UNIQUE SERIAL NO.: ORNL 1810  
 SERIAL NUMBER: 1355851

OUTFITTER DESCRIP/ BTH - ID	DT OF REMOVAL FROM SERVICE		CONT	- STREAM -		CUSTOMER UNIQUE SERIAL NO.	RES SERIAL NUMBER	SERIAL NUMBER POUNDS	WISE LOCATION	DEST TYPE	DEST DATE	
	Mo	Da		Yr	NUMBER							SEX
355SD	12	14	89	2	46682	48	ORNL 1810	1355851	694	R198	I	7/13/90
							1809	852	786		I	7/13/90
							1794	853	674		I	7/13/90
							1817	854	126		I	7/15/90
							1815	855	596		I	7/13/90
							1826	856	276		I	
	11	10	89				1640	857	246		I	
	12	14	89				1814	858	856		I	
							1806	859	700		I	
							1804	860	636		I	
							1803	861	674		I	7/13/90
							1808	862	804		I	
							1807	863	762		I	7/13/90
							1816	864	662		I	
											8,492	CHR TOTAL

Content Codes - 1=Capacitors, 2=Debris, 3=Transformers, 4=Liquid, 5=Sludge, 6=Solid

Verify the above listing is accurate and correct. COMMENTS:

Allen Pectus 7/1/90

WISCONSIN WASTE SERVICES (TX) INC.  
 WASTE MOVEMENT REPORT (PCB'S)  
 TRACKING (EMPTY)  INCOMING FROM CUST.

CUSTOMER NAME: RES LA  
 CWR NO.: 6130190  
 MANIFEST NO.: 00224893

PAGE 4 OF 4  
 VOL. REF NO.: 118353  
 VOL LBS.: \_\_\_\_\_

RECD: 6130190 RES NO: 91000

CONTAINER DESCRIP/ ID	DT OF REMOVAL		- STREAM -		CUSTOMER UNIQUE SERIAL NO.	RES SERIAL NUMBER	SERIAL NUMBER POUNDS	WASTE LOCATION	DEST TYPE	DEST DATE	
	Mo	Da	Yr	COIT							NUMBER
55 SD	11	10	89	2	0A1L1639	1355865	250	R198	I	7/13/90	
	12	14	89		1813	866	686		↓		
	11	10	89		1636	867	168		I	7/13/90	
	11	10	89		1637	868	238				
	12	14	89		1822	869	330				
					1820	870	184		↓		
					1839	871	78		I	7/13/90	
					1801	872	834		I	8/13/90	
					1796	873	592		I	7/15/90	
					1795	874	788		I	8/13/90	
					1802	875	844		↓		
Content Codes - 1=Capacitors, 2=Debris, 3=Transformers, 4=Liquid, 5=Sludge, 6=Solid										4,992	CHR TOTAL

Verify the above listing is accurate and correct. COMMENTS: \_\_\_\_\_

\_\_\_\_\_  
 DATE: 7/1/90



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

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. TN 1 8 9 0 0 9 0 0 0 3 1 0 0 2 6 4		Manifest Document No. 264		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN 37831-6058						A. State Manifest Document Number No 00224894				
4. Generator's Phone (615) 574-7467 Attn: L.C. Wesley						B. State Generator's ID 99947				
5. Transporter 1 Company Name CUSTOM ENVIRONMENTAL TRANSPORT						6. US EPA ID Number DE D 9 8 0 9 1 8 8 5 8		C. State Transporter's ID 40756		
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 713-930-4500		
9. Designated Facility Name and Site Address P.O. Box 609 2027 Battleground Road Deer Park, Texas 77535						10. US EPA ID Number LW		E. State Transporter's ID		
Polling Environmental Services (TX) Inc. TX D 9 5 5 1 4 1 3 7 8						11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number): RQ, Waste Hazardous Substance, Solid, N.O.S. ORM-E NA9188 (Polychlorinated Biphenyls)		F. Transporter'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 (M <sup>3</sup> /Vol)		1. Waste No.
		RQ, Waste Hazardous Substance, Solid, N.O.S. ORM-E NA9188 (Polychlorinated Biphenyls)		004 DM		218m 00145K				179430
b.										
c.										
d.										
J. Additional Descriptions for Materials Listed Above See Continuation Sheet. Site of Generation: U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN 37831-6058						K. Handling Codes for Wastes Listed Above T07				
11a) HO-47499-48										
15. Special Handling Instructions and Additional Information Dike and contain spill, avoid skin contact. In case of emergency or spill contact L.C. Wesley (615)574-7467 or K.G. Edgemon (615)574-1779 or ORNL Shift Supervisor (615) 574-6606										
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 on behalf of the US DOE Mr F. C. Kornegay				Signature on behalf of the US DOE F. C. Kornegay				Month Day Year 06 29 90		
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name on behalf of the US DOE DONALD R. RATLIFF				Signature Donald R. Ratliff				Month Day Year 0 6 2 9 9 0		
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name				Signature				Month Day Year		
19. Discrepancy Indication Space Per my phone conversation with Frank Kornegay the above quantity has been changed to reflect the actual amount received by RES (TX) Inc. J. McEliskey 7/3/90										
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. CT REYES				Signature C Reyes				Month Day Year 10 6 30 90		

# 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: U.S. DOE  
Oak Ridge, Tenn.

STATE MANIFEST DOCUMENT NO.: 00224894

DATE OF RECEIPT AT FACILITY: 6/30/90

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

*John Milum*  
RES (TX), Inc.  
7/3/90  
Date

Continuation Page

STATE MANIFEST DOCUMENT NO: 00224894

ROLLINS NO-NUMBER	GENERATOR'S "UNIQUE ID NO" (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-47499-48	ORNL1759 ✓	DEBRIS	01/05/90	40/K	PCB 2
HO-47499-48	ORNL1760 ✓	DEBRIS	01/05/90	40/K	PCB 2
HO-47499-48	ORNL1761 ✓	DEBRIS	01/05/90	40/K	PCB 2
HO-47499-48	ORNL1762 ✓	DEBRIS	01/05/90	40/K	PCB 2

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

August 22, 1990

U.S. DOE, OAK RIDGE NATIONAL LABORATORY  
P.O. BOX 2008  
OAK RIDGE, TN 37831-6058

ATTN: L.C. WESLEY

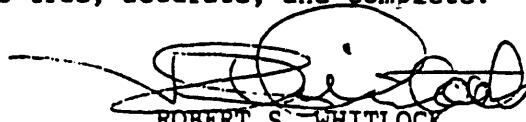
Dear Mr. Wesley:

This is to certify the PCB debris referenced below were incinerated as of 8/9/90 at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

The attachment enclosed is a list of the unique identifying numbers for the following mentioned HO number and the destruction date of each.

TOTAL POUNDS	-480
H. O. NUMBER	-47499-48
DATE RECEIVED	-6/30/90
B/L NUMBER	-118353
TWC MANIFEST NUMBER	-00224894

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

  
ROBERT S. WHITLOCK  
OPERATIONS MANAGER

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





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

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. TN 1890090003		Manifest Document No. 00264		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN 37831-6058						A. State Manifest Document Number No 00224895				
4. Generator's Phone (615) 574-7467 Attn: L.C. Wesley						B. State Generator's ID 99947				
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				
7. Transporter 2 Company Name						D. Transporter's Phone 713-930-4500				
8. US EPA ID Number						E. State Transporter's ID				
9. Designated Facility Name and Site Address P.O. Box 609 2027 Battleground Road Deer Park, Texas 77535						G. State Facility's ID 50089				
10. US EPA ID Number ROLLINS ENVIRONMENTAL SERVICES (TX) TX D 0 5 5 1 4 1 3 7 8						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.	13. Total Quantity	14. Unit (Wt./Vol)	1. Waste No.	
	a. RQ, Waste Hazardous Substance, Solid, N.O.S. ORM-E NA9188 (Polychlorinated Biphenyls)					005	DM00975	K	179430	
	b.									
	c.									
	d.									
J. Additional Descriptions for Materials Listed Above See continuation sheet. Site of Generation: U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN 37831-6058						K. Handling Codes for Wastes Listed Above T-07				
11a) HO-47530-39										
15. Special Handling Instructions and Additional Information Dike and contain spill, avoid contact. In case of emergency of spill contact L.C. Wesley (615)574-7467 or K.G. Edgemon (615)574-1779 or ORNL Shift Supervisor (615) 574-6606										
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 on behalf of the US DOE F.C. Kornegay				Signature on behalf of the US DOE F.C. Kornegay				Month Day Year 06 28 90		
17. Transporter 1 Acknowledgement of Receipt of Materials						Date				
Printed/Typed Name DONALD R. RATLIF				Signature Donald R. Ratliff				Month Day Year 06 29 90		
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										
Printed/Typed Name KAREN DAWLEY				Signature Karen Dawley				Date 10 30 90		

GENERATOR

TRANSPORTER

FACILITY

# 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: U.S. DOE  
Oak Ridge, TN.

STATE MANIFEST DOCUMENT NO.: 00224895

DATE OF RECEIPT AT FACILITY: 6/30/90

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

*Jaw Milum*  
RES (TX), inc.  
7/3/90  
Date

Continuation Page

STATE MANIFEST DOCUMENT NO: 00224895

ROLLINS HO-NUMBER	GENERATOR'S "UNIQUE ID NO" (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-47530-29	ORNL 1585 ✓	CAPACITORS	10/31/89	285/K	PCB 1
HO-47530-39	ORNL 1725 ✓	CAPACITORS	11/17/89	75/K	PCB 1
HO-47530-39	ORNL 1724 ✓	BALLAST	11/17/89	273/K	PCB 1
HO-47530-39	ORNL 1866	BALLAST	03/15/90	171/K	PCB 1
HO-47530-39	ORNL 1867	BALLAST	03/15/90	171/K	PCB 1

7/28/14/90

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

August 14, 1990

U. S. DOE  
OAK RIDGE NATIONAL LABORATORY  
P. O. BOX 2008  
OAK RIDGE, TN 37831-6058

ATTN: L. C. WESLEY

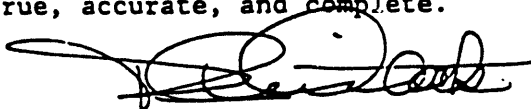
Dear Mr. Wesley:

This is to certify the PCB capacitors referenced below were incinerated as of 07/31/90 at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

The attachment enclosed is a list of the unique identifying numbers for the following mentioned HO number and the destruction date of each.

TOTAL POUNDS	-2190
H. O. NUMBER	-47530-39
DATE RECEIVED	-06/30/90
B/L NUMBER	-118353
TWC MANIFEST NUMBER	-00224895

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



ROBERT S. WHITLOCK  
OPERATIONS MANAGER

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

TO ENVIRONMENTAL SERVICES (TX) INC.  
 OTHER MOVEMENT REPORT (PCB'S)  
 PENDING (EMPTY)  INCOMING FROM CUST.

VIN NO.: 2514  
 CUSTOMER NAME: RES 4A

PAGE 1

VOL. REF NO.: 118333  
 VOL. LBS.:

CNR NO.:  
 DOB, DATE: 6/30/90  
 MANIFEST NO.: 00224893

RES NO: 91000

RCVD: 6/30/90

OUTFITTER DESCRIP/ REF - ID	DT OF REMOVAL		COIT	- STREAM -		CUSTOMER UNIQUE SERIAL NO.	RES SERIAL NUMBER	SERIAL NUMBER POUNDS	WISE LOCATION	DEST TYPE	DEST DATE	
	Mo	Da		Yr	NUMBER							SFX
555D	11	17	89	1	47530	39	ORNL1725	1355797	244	R124	S	7/31/90
	3	15	90				1867	798	426			
	3	15	90				1866	799	248			
	11	17	89				1724	800	586			
	10	31	89				1585	801	684			
RES Content Codes - 1=Capacitors, 2=Debris, 3=Transformers, 4=Liquid, 5=Sludge, 6=Solid											2188	CHR TOTAL

certify the above listing is accurate and correct. COMMENTS:

RES SIGNATURE: Allen Petros DATE: 7/1/90

TEXAS WATER COMMISSION  
P.O. Box 13087, Capitol Station  
Austin, Texas 78711-3087



✓ 11/16

Please print or type. (Form designed for use on elastic (2-pitch) typewriter)

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. T.R. 8.9.0.0.9.0.0.0.3		Manifest Document No. 002277		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. DOE, OAK RIDGE NATIONAL LABORATORY P.O. BOX 2008, OAK RIDGE, TN. 37831-6198						A. State Manifest Document Number No. 00224889			
4. Generator's Phone 615 574-5776						B. State Generator's ID 99947			
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			
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 713-930-4500			
9. Designated Facility Name and Site Address ROLLINS ENVIRONMENTAL-SERVICES (TX) INC. P.O. BOX 609, 2027 BATTLEGROUND ROAD DEER PARK, TEXAS 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.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
	a. RQ, WASTE HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ORM-E, NA9188 (POLYCHLORINATED BIPHENYLS) (D008)				0 2 2	DM	0 4 6 8 7	K	910550
	b. RQ, HAZARDOUS SUBSTANCE, SOLID, N.O.S. ORM-E, NA9188 (POLYCHLORINATED BIPHENYLS)				0 0 5	DM	0 2 7 9	K	179430
	c. RQ, HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ORM-E, NA9188 (POLYCHLORINATED BIPHENYLS)				0 0 1	DM	0 1 1 9	K	118870
	d. RQ, HAZARDOUS SUBSTANCE, SOLID, N.O.S. ORM-E, NA9188 (POLYCHLORINATED BIPHENYLS)				0 0 1	DM	3 0 7 2 2 1 8	K	179430
16. Additional Descriptions for Materials Listed Above See continuation sheet						17. Handling Codes for Wastes Listed Above T06 AC T07 BD			
18. Site of generation: U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN. 37831-8843 6198						19. Emergency Response Guide No. 31 Contact: (800) 424-9300 Dike and contain spill, avoid skin contact. In case of emergency or spill, contact L. C. Wesley (615) 574-7467 or K. G. Edgeman (615) 574-1779 or ORNL shift supervisor (615) 574-6606. Haz. substance release: U.S. Coast Guard 1-800-424-8802/(202)267-2675.			
20. 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 On behalf of the US DOE FRANK C. KORNEGEY					Signature [Signature]			Month Day Year 11 10 1990	
21. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name DONALD R. RATLIFF					Signature [Signature]			Month Day Year 11 10 1990	
22. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name					Signature			Month Day Year	
23. Discrepancy Indication Space Per my phone conversation with Frank Kornegey the above quantity has been changed to reflect the actual amount received by RES(TX) Inc.									
24. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 15 RES(TX) Inc. TARA MILUM [Signature]									
								Date 11 10 1990	

RES 150

"Continuation Page"

State Manifest Document No: CO224889

ROLLINS HO NUMBER	GENERATOR'S "UNIQUE ID No." (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-46683	ORNL 1601	OIL/WATER	11-10-89	230.5	PCB 2
HO-46683	ORNL 1502	OIL/WATER	11-10-89	235.9	PCB 2
HO-46683	ORNL 1603	OIL/WATER	11-10-89	235.0	PCB 2
HO-46683	ORNL 1604	OIL/WATER	11-10-89	236.8	PCB 2
HO-46683	ORNL 1612	OIL/WATER	11-10-89	229.6	PCB 2
HO-46683	ORNL 1615	OIL/WATER	11-10-89	246.0	PCB 2
HO-46683	ORNL 1620	OIL/WATER	11-10-89	217.8	PCB 2
HO-46683	ORNL 1621	OIL/WATER	11-10-89	232.3	PCB 2
HO-46683	ORNL 1625	OIL/WATER	11-10-89	216.9	PCB 2
HO-46683	ORNL 1626	OIL/WATER	11-10-89	50.0	PCB 2
HO-46683	ORNL 1627	OIL/WATER	11-10-89	224.1	PCB 2
HO-46683	ORNL 1628	OIL/WATER	11-10-89	227.3	PCB 2
HO-46683	ORNL 1629	OIL/WATER	11-10-89	231.3	PCB 2
HO-46683	ORNL 1631	OIL/WATER	11-10-89	232.3	PCB 2
HO-46683	ORNL 1643	OIL/WATER	11-10-89	222.3	PCB 2
HO-46683	ORNL 1646	OIL/WATER	11-10-89	227.8	PCB 2
HO-46683	ORNL 1647	OIL/WATER	11-10-89	217.8	PCB 2
HO-46683	ORNL 1656	OIL/WATER	11-10-89	229.6	PCB 2
HO-46683	ORNL 1657	OIL/WATER	11-10-89	231.4	PCB 2
HO-46683	ORNL 1679	OIL/WATER	11-10-89	231.9	PCB 2
HO-46683	ORNL 1707	OIL/WATER	11-10-89	20.9	PCB 2
HO-46683	ORNL 1727	OIL/WATER	11-10-89	242.3	PCB 2
HO-47499	ORNL 1718	WIPES/ABSORBENT	11-17-89	51.7	PCB 2
HO-47499	ORNL 1719	WIPES ABSORBENT	11-17-89	31.8	PCB 2
HO-47499	ORNL 1720	WIPES/ABSORBENT	11-17-89	40.0	PCB 2
HO-47499	ORNL 1721	WIPES/ABSORBENT	11-17-89	38.1	PCB 2
HO-47499	ORNL 1722	WIPES/ABSORBENT	11-17-89	117.1	PCB 2
HO-47498	ORNL 1726	OIL	11-17-89	118.7	PCB 2
HO-47530	ORNL 1596	INSULATORS	12-05-89	217.8	PCB 1

TEXAS WATER COMMISSION  
 P.O. Box 13087, Capitol Station  
 Austin, Texas 78711-3087



Form approved, OMB No. 2050-CC29, expires 09-30-91

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. T N J 8 9 0 0 9 0 0 0 3		Manifest Document No. 0 0 2 7 9		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address U.S. DOE, OAK RIDGE NATIONAL LABORATORY P.O. BOX 2008, OAK RIDGE, TN. 37831-6198						A. State Manifest Document Number <b>№ 00224889</b>					
4. Generator's Phone 615 1574-5776						B. State Generator's ID 99947					
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					
7. Transporter 2 Company Name						D. Transporter's Phone 713-930-4500					
9. Designated Facility Name and Site Address ROLLINS ENVIRONMENTAL SERVICES (TX) INC. P.O. BOX 609, 2027 BATTLEGROUND ROAD DEER PARK, TEXAS 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)	1. Waste No.		
	a. RQ, WASTE HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ORM-E, NA9188 (POLYCHLORINATED BIPHENYLS) (D008)				0 2 2	DM	0 4 6 7	K	910550		
	b. RQ, HAZARDOUS SUBSTANCE, SOLID, N.O.S., ORM-E, NA9188 (POLYCHLORINATED BIPHENYLS)				0 0 5	DM	0 2 7 9	K	179430		
	c. RQ, HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ORM-E, NA9188 (POLYCHLORINATED BIPHENYLS)				0 0 1	DM	0 1 1 9	K	118870		
	d. RQ, HAZARDOUS SUBSTANCE, SOLID, N.O.S. ORM-E, NA9188 (POLYCHLORINATED BIPHENYLS)				0 0 1	DM	0 2 1 8	K	179430		
J. Additional Descriptions for Materials Listed Above See continuation sheet. Site of generation. U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN. 37831-8043 6198						K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information Dike and contain spill, avoid skin contact. In case of emergency or spill, contact L. G. Wesley (615) 574-7467 or K. G. Edgenon (615) 574-1779 or ORNL shift supervisor (615) 574-6606. Haz. substance release: U.S. Coast Guard 1-800-424-8802/(202)267-2675.											
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 F. C. KENNEDY				Signature (Signature)				Month Day Year 11 08 90			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name DORIS H. KATHE				Signature (Signature)				Month Day Year			
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			

"Continuation Page"

State Manifest Document No: 00224889

ROLLINS HO NUMBER	GENERATOR'S "UNIQUE ID No." (MAX. 10 DIGITS)	TYPE OF PCB WASTE	DATE OF REMOVAL FROM SERVICE FOR DISPOSAL	WEIGHT (KILOGRAMS)	PCB WASTE CODE
HO-46683	ORNL 1601✓	OIL/WATER	11-10-89	230.5	PCB 2
HO-46683	ORNL 1602✓	OIL/WATER	11-10-89	235.9	PCB 2
HO-46683	ORNL 1603✓	OIL/WATER	11-10-89	235.0	PCB 2
HO-46683	ORNL 1604✓	OIL/WATER	11-10-89	236.8	PCB 2
HO-46683	ORNL 1612✓	OIL/WATER	11-10-89	229.6	PCB 2
HO-46683	ORNL 1615✓	OIL/WATER	11-10-89	246.0	PCB 2
HO-46683	ORNL 1620✓	OIL/WATER	11-10-89	217.8	PCB 2
HO-46683	ORNL 1621✓	OIL/WATER	11-10-89	232.3	PCB 2
HO-46683	ORNL 1625✓	OIL/WATER	11-10-89	216.9	PCB 2
HO-46683	ORNL 1626✓	OIL/WATER	11-10-89	50.0	PCB 2
HO-46683	ORNL 1627✓	OIL/WATER	11-10-89	224.1	PCB 2
HO-46683	ORNL 1628✓	OIL/WATER	11-10-89	227.3	PCB 2
HO-46683	ORNL 1629✓	OIL/WATER	11-10-89	231.3	PCB 2
HO-46683	ORNL 1631✓	OIL/WATER	11-10-89	232.3	PCB 2
HO-46683	ORNL 1643✓	OIL/WATER	11-10-89	222.3	PCB 2
HO-46683	ORNL 1646✓	OIL/WATER	11-10-89	227.8	PCB 2
HO-46683	ORNL 1647✓	OIL/WATER	11-10-89	217.8	PCB 2
HO-46683	ORNL 1656✓	OIL/WATER	11-10-89	229.6	PCB 2
HO-46683	ORNL 1657✓	OIL/WATER	11-10-89	231.4	PCB 2
HO-46683	ORNL 1679✓	OIL/WATER	11-10-89	231.9	PCB 2
HO-46683	ORNL 1707✓	OIL/WATER	11-10-89	20.9	PCB 2
HO-46683	ORNL 1727✓	OIL/WATER	11-10-89	242.3	PCB 2
HO-47499	ORNL 1718✓	WIPES/ABSORBENT	11-17-89	51.7	PCB 2
HO-47499	ORNL 1719✓	WIPES ABSORBENT	11-17-89	31.8	PCB 2
HO-47499	ORNL 1720✓	WIPES/ABSORBENT	11-17-89	40.0	PCB 2
HO-47499	ORNL 1721✓	WIPES/ABSORBENT	11-17-89	38.1	PCB 2
HO-47499	ORNL 1722✓	WIPES/ABSORBENT	11-17-89	117.1	PCB 2
HO-47498	ORNL 1726✓	OIL	11-17-89	118.7	PCB 2
HO-47530	ORNL 1596✓	INSULATORS	12-05-89	217.8	PCB 1

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

November 30, 1990

U. S. DOE, OAK RIDGE NATL. LAB.  
P. O. BOX 2008  
OAK RIDGE, TN 37831-6198

ATTN: F. C. KORNEGAY

Dear Mr. Kornegay:

This is to certify the attached list of material was incinerated at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



ROBERT S. WHITLOCK  
OPERATIONS MANAGER

Attachment

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

PROGRAM ID: PTR1722  
 RUN DATE : 11/15/90  
 RUN TIME : 2:48 PM  
 Stream Bill of Lading  
 Number

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
 CERTIFICATE OF DESTRUCTION AUTHORIZED  
 FOR PCB MATERIAL

PAGE: 50

Invoice Pounds 000  
 Manifest Number TX00224809  
 Received Date 11/09/90  
 Final Destroyed Date 11/11/90  
 Certificate of Destruction Name and Address  
 U.S. DOE, OAK RIDGE NATL. LAB.  
 P O BOX 2008  
 OAK RIDGE TN 37831-6058  
 Altnt F.C. KORHEGAY

047499 121734

Inventory Cntrl Nbr	Customer's Unique Serial Number	Type	CONTAINER Pounds	Contents	Suffix Code	Destroyed Date
001552504	ORNL 1721	553D	118	DEORIS	48	11/11/90
001552505	ORNL 1718	553D	120	DEORIS	48	11/11/90
001552506	ORNL 1722	553D	248	DEORIS	48	11/11/90
001552507	ORNL 1710	553D	114	DEORIS	48	11/11/90
001552508	ORNL 1720	553D	82	DEORIS	48	11/11/90
			<u>682</u>			

Total Containers : 5

FEB 16 '91 14:43

85 TX

952 P04

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

November 16, 1990


U. S. DOE, OAK RIDGE NATL. LAB  
P. O. BOX 2008  
OAK RIDGE, TN 37831-6058

ATTN: F. C. KORNEGAY

Dear Mr. Kornegay:

This is to certify the attached list of PCB material was incinerated at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

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ROBERT S. WHITLOCK  
OPERATIONS MANAGER

Attachment

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

PROGRAM-ID: PTR1722  
 RUN DATE : 11/29/90  
 RUN TIME : 3:12 PM

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
 CERTIFICATE OF DESTRUCTION AUTHORIZED  
 FOR PCB MATERIAL

PAGE: 30

Stream Number ..... Bill of Lading ..... Invoice Pounds ..... Manifest Number ..... Received Date ..... Final Destroyed Date ..... Certificate of Destruction Name and Address .....

047530 ..... 121734 ..... 675 ..... TX00224009 ..... 11/09/90 ..... 11/28/90 ..... U.S. DOE, OAK RIDGE NATH. LAB.  
 P O BOX 2008  
 OAK RIDGE TN 37831-6108  
 Attn: F.C. KORREGAY

Inventory Cntrl Nbr	Customer's Unique Serial Number	Type	CONTAINER Pounds	Contents	Suffia Code	Destroyed Date
001554528	ORNL 1590	5550	675	CAPACITORS	39	11/28/90
Total Containers :			1			

DEC 04 1990

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

November 30, 1990

Fwd from F. Kornegay 2/20/91  
N. S. Dailey  
L. E. McNeese  
L. Oggs

U. S. DOE, OAK RIDGE NATL. LAB.  
P. O. BOX 2008  
OAK RIDGE, TN 37831-6198

ATTN: F. C. KORNEGAY

*Original to F Kornegay*

Dear Mr. Kornegay:

This is to certify the attached list of material was incinerated at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

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ROBERT S. WHITLOCK  
OPERATIONS MANAGER

Attachment

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

PROGRAM-ID: PTR1722  
 RUN DATE : 11/29/90  
 RUN TIME : 3:12 PM  
 Stream Bill of Lading  
 Number Pounds

047530 121/34 675 TX00224809 11/09/90 11/28/90  
 Invoice Pounds  
 Manifest Number  
 Received Date  
 Final Destroyed Date  
 Certificate of Destruction Name and Address

U.S. DOE, OAK RIDGE NATL. LAB.  
 P O BOX 2008 TN 37031-6190  
 OAK RIDGE  
 Attn: F.C. KORNEGAY

001554528 ORNL 1596  
 Inventory Cntrl Nbr  
 Customer's Unique Serial Number  
 Type  
 S5SD  
 675  
 675  
 675

CONTAINER Pounds  
 Contents  
 CAPACITORS  
 Suffix Code  
 39  
 1  
 11/28/90  
 -- Destroyed --  
 Mthd Date

Total Containers : 1

DEC 04 1990

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

November 30, 1990

Fwd from F. Kornegay 2/20/91  
N. S. Dailey  
L. E. McNeese  
L. Oggs

U. S. DOE, OAK RIDGE NATL. LAB.  
P. O. BOX 2008  
OAK RIDGE, TN 37831-6198

ATTN: F. C. KORNEGAY

Dear Mr. Kornegay:

This is to certify the attached list of material was incinerated at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



ROBERT S. WHITLOCK  
OPERATIONS MANAGER

OFFICE OF WASTE MANAGEMENT  
AND REMEDIAL ACTIONS  
RECEIVED

Attachment

FEB 22 1991

Please call (713) 930-2317 if you have any questions concerning the information on this Certificate of **WASTE MANAGEMENT OPERATIONS**

**RECEIVED**  
**WASTE MANAGEMENT OPERATIONS**  
FEB 27 1991  
Dist. by T.F. Scanlan 2/27/91  
HL Adair \_\_\_\_\_ Copy \_\_\_\_\_  
KG Edgemon  File \_\_\_\_\_  
L Holder \_\_\_\_\_ Route \_\_\_\_\_  
CM Kendrick \_\_\_\_\_ Please Handle: \_\_\_\_\_  
DJ Peterson \_\_\_\_\_  
FJ Schultz \_\_\_\_\_  
CB Scott \_\_\_\_\_  
MA Smith \_\_\_\_\_  
JE VanCleve \_\_\_\_\_  
C Whitmire \_\_\_\_\_  
FYI  
FILES

Dist. by L. E. McNeese  
T. W. Burdick \_\_\_\_\_ R. C. Mason \_\_\_\_\_  
C. P. East \_\_\_\_\_ T. F. Scanlan   
H. R. Goolsby \_\_\_\_\_ L. E. Strouton \_\_\_\_\_  
C. M. Kendrick \_\_\_\_\_ J. R. Trabolka \_\_\_\_\_  
Copy \_\_\_\_\_ Please Handle \_\_\_\_\_  
 File \_\_\_\_\_ Route \_\_\_\_\_  
Person Responsible \_\_\_\_\_  
Commitment No. \_\_\_\_\_ Due Date \_\_\_\_\_

PROGRAM-ID: PTR1722  
 RUN DATE : 11/29/90  
 RUN TIME : 3:12 PM

Stream Number  
 Bill of Lading

047530

121734

675

TX00224009

11/09/90

11/28/90

U.S. DOE, OAK RIDGE NATL. LAB.  
 P O BOX 2000  
 OAK RIDGE  
 Attn: F.C. KORNEGAY

TN

37031-6190

PAGE: 36

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
 CERTIFICATE OF DESTRUCTION AUTHORIZED  
 FOR PCB MATERIAL

Invoice Pounds  
 Manifest Number  
 Received Date  
 Final Destroyed Date  
 Certificate of Destruction Name and Address

Inventory Cont. Nbr	Customer's Unique Serial Number	Type	CONTAINER Pounds	Contents	Suffix Code	Destroyed Mthd	Date
001554528	ORNL 1590	5550	675	CAPACITORS	39	I	11/28/90

Total Containers : 1

675

PROGRAM-ID: PTR1722      ROLLINS ENVIRONMENTAL SERVICES (TX) INC

RUN DATE : 12/20/90      CERTIFICATE OF DESTRUCTION

RUN TIME : 2:30 PM

PAGE: 1

\*\*\*\*\*

Certificate of Destruction   Stream Bill of Invoice   Manifest   Received   Final  
Name and Address                      Number Lading   Pounds              Number              Date              Destruct

\*\*\*\*\*

047498 121734              485   TX00224889 11/09/90 12/13/90

U.S. DOE, OAK RIDGE NATL. L

P O BOX 2008

OAK RIDGE              TN 37831-6198

Attn: F.C. KORNEGAY

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	Pounds	CONTENTS Contents	Suff S&P Code	Destroyed TO Mthd	Date
001552510	ORNL 1726	55SD	485	LIQUID	40	I	12/13/90

Total Containers :      1                      485

PROGRAM-ID: PTR1722  
RUN DATE : 12/20/90  
RUN TIME : 2:30 PM

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
CERTIFICATE OF DESTRUCTION

PAGE: 2

\*\*\*\*\*  
\* 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 Destruction.



Authorized Agent  
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

PROGRAM-ID: PTR1722  
 RUN DATE : 12/20/90  
 RUN TIME : 2:30 PM

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
 CERTIFICATE OF DESTRUCTION

PAGE: 1

\*\*\*\*\*  
 Certificate of Destruction Stream Bill of Invoice Manifest Received Final  
 Name and Address Number Lading Pounds Number Date Destruct  
 \*\*\*\*\*  
 046683 121734 10,040 TX00224889 11/09/90 12/16/90

U.S. DOE, OAK RIDGE NATL. L  
 P O BOX 2008  
 OAK RIDGE TN 37831-6198  
 Attn: F.C. KORNEGAY

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER		Suff SHP Code	Destroyed TO Mthd Date
		Type	Pounds Contents		
001551361	ORNL 1643	55SD	476 LIQUID	46	I 11/23/90
001551362	ORNL 1603	55SD	478 LIQUID	46	I 11/23/90
001551363	ORNL 1620	55SD	468 LIQUID	46	I 11/23/90
001551364	ORNL 1621	55SD	460 LIQUID	46	I 11/23/90
001551365	ORNL 1631	55SD	480 LIQUID	46	I 11/23/90
001551366	ORNL 1727	55SD	486 LIQUID	46	I 11/23/90
001551367	ORNL 1646	55SD	500 LIQUID	46	I 11/23/90
001551368	ORNL 1629	55SD	452 LIQUID	46	I 11/23/90
001551369	ORNL 1626	55SD	108 LIQUID	46	I 11/23/90
001551370	ORNL 1679	55SD	492 LIQUID	46	I 11/23/90
001551371	ORNL 1601	55SD	464 LIQUID	46	I 11/23/90
001551372	ORNL 1625	55SD	452 LIQUID	46	I 11/23/90
001551373	ORNL 1656	55SD	476 LIQUID	46	I 11/23/90
001551374	ORNL 1602	55SD	470 LIQUID	46	I 11/23/90
001551375	ORNL 1657	55SD	486 LIQUID	46	I 11/23/90
001551376	ORNL 1627	55SD	462 LIQUID	46	I 11/23/90
001551377	ORNL 1612	55SD	486 LIQUID	46	I 11/23/90
001551378	ORNL 1604	55SD	474 LIQUID	46	I 11/23/90
001551379	ORNL 1647	55SD	454 LIQUID	46	I 11/23/90
001551380	ORNL 1629	55SD	460 LIQUID	46	I 11/23/90
001551381	ORNL 1615	95CP	525 LIQUID	46	I 12/16/90
001551382	ORNL 1707	35SD	16 LIQUID	48	I 12/16/90

Total Containers : 22 9,725

PROGRAM-ID: PTR1722      ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
RUN DATE : 12/20/90      CERTIFICATE OF DESTRUCTION  
RUN TIME : 2:30 PM

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* 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 Destruction.

  
 \_\_\_\_\_  
 Authorized Agent  
 ROLLINS ENVIRONMENTAL SERVICES (TX) INC





<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. T.N. 1-8-9-0-0-9-0-0-0-3		Manifest Document No. 00277		2. Page 1 of 3		Information in the shaded areas is not required by Federal law			
3. Generator's Name and Mailing Address U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN. 37831-6198 4. Generator's Phone (615) 574-5776						A. State Manifest Document Number No. 00379276					
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		B. State Generator's ID 99947			
7. Transporter 2 Company Name						8. US EPA ID Number		C. State Transporter's ID 40756			
9. Designated Facility Name and Site Address Rollins Environmental Services Inc. P.O. Box 609, 2027 Battleground Rd. Deer Park, Texas 77536						10. US EPA ID Number T.X.D. 0-5-5-1-4-1-3-7-8		D. Transporter's Phone 713-930-4500			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity			
11A. HM						14. Unit Wt/Vol		15. Hazardous Waste Code			
X	<sup>a</sup> RQ, Waste Hazardous Substance, Liquid, N.O.S., OR4-E, NA9188 (Polychlorinated Biphenyls) (D008)					0	0-8	D-M	0-1-8-2-5	K	510550
X	<sup>b</sup> RQ, Hazardous Substance, Liquid, N.O.S., OR4-E, NA9188 (Polychlorinated Biphenyls)					0	3-2	D-M	0-6-0-6-1	K	018870
X	<sup>c</sup> RQ, Waste Hazardous Substance, Solid, N.O.S., OR4-E, NA9188 (Polychlorinated Biphenyls) (F001) (F002)					0	0-1	D-M	0-0-1-8-4	K	979430
X	<sup>d</sup> RQ, Hazardous Substance, Solid, N.O.S., OR4-E, NA9188 (Polychlorinated Biphenyls)					0	0-5	D-M	0-0-5-0-3	K	279430L
Additional Descriptions for Materials Listed Above: 11a. HO-46683; 11b. HO-3798; Handling Code for Waste Listed Above: See Containment Sheet. L.C. HO-46683; 11c. HO-4799; Site of Generation: U.S. DOE, Oak Ridge National Laboratory, P.O. Box 2008, Oak Ridge, TN 37831-6198											
15. Special Handling Instructions and Additional Information Emergency Response Guide No. 11a. 31 11b. 31 11c. 31 11d. 31 Dike and contain all spills, avoid skin contact. In case of emergency contact Chemtrac (800) 424-9300, Hazardous Substance Release: U.S. Coast Guard (800) 424-8602; (202) 257-2675 L.C. Wesley (615) 574-7467 or ORNL Shift Supervisor (615) 574-6606.											
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 on behalf of the USDOE F. C. Korneray						Signature on behalf of USDOE <i>F. C. Korneray</i>			Month Day Year 11 29 1990		
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Bobby C Jackson						Signature <i>Bobby C Jackson</i>			Month Day Year 11 29 1990		
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		

"CONTINUATION PAGE"

STATE MANIFEST DOCUMENT No. 00379287<sup>76</sup> D.E.

ROLLINS EO-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
EO-48888	GENL 1818	OIL/WATER	8-18-80	228.7	PCB 2
EO-48889	GENL 1819	OIL/WATER	8-18-80	232.3	PCB 2
EO-48890	GENL 1820	OIL/WATER	8-18-80	224.8	PCB 2
EO-48891	GENL 1821	OIL/WATER	8-18-80	230.0	PCB 2
EO-48892	GENL 1822	OIL/WATER	8-18-80	222.7	PCB 2
EO-48893	GENL 1823	OIL/WATER	8-18-80	225.9	PCB 2
EO-48894	GENL 1824	OIL/WATER	8-18-80	228.7	PCB 2
EO-48895	GENL 1825	OIL/WATER	8-18-80	229.7	PCB 2
EO-47495	GENL 1828	OIL	8-18-80	217.5	PCB 2
EO-47496	GENL 1845	OIL	8-18-80	205.9	PCB 2
EO-47496	GENL 1846	OIL	8-18-80	205.1	PCB 2
EO-47498	GENL 1847	OIL	8-18-80	196.9	PCB 2
EO-47498	GENL 1848	OIL	8-18-80	205.1	PCB 2
EO-47499	GENL 1849	OIL	8-18-80	205.5	PCB 2
EO-47499	GENL 1850	OIL	8-18-80	204.2	PCB 2
EO-47499	GENL 1855	OIL	7-17-80	210.5	PCB 2
EO-47499	GENL 1856	OIL	7-17-80	203.3	PCB 2
EO-47499	GENL 1890	OIL	7-17-80	203.7	PCB 2
EO-47499	GENL 1871	OIL	7-17-80	205.5	PCB 2
EO-47499	GENL 1872	OIL	7-17-80	205.0	PCB 2
EO-47499	GENL 1873	OIL	7-17-80	204.2	PCB 2
EO-47499	GENL 1874	OIL	7-17-80	205.9	PCB 2
EO-47499	GENL 1875	OIL	7-17-80	202.3	PCB 2
EO-47499	GENL 2081	OIL	10-25-80	199.2	PCB 2
EO-47499	GENL 2082	OIL	10-25-80	18.7	PCB 2
EO-47499	GENL 2083	OIL	10-25-80	145.3	PCB 2
EO-47499	GENL 2084	OIL	10-25-80	179.8	PCB 2
EO-47499	GENL 2085	OIL	10-25-80	14.0	PCB 2
EO-47499	GENL 2086	OIL	11-07-80	225.4	PCB 2
EO-47499	GENL 2087	OIL	11-07-80	229.1	PCB 2
EO-47499	GENL 2088	OIL	11-07-80	229.1	PCB 2
EO-47499	GENL 2089	OIL	11-07-80	217.3	PCB 2
EO-47499	GENL 2090	OIL	11-07-80	229.1	PCB 2
EO-47499	GENL 2101	OIL	11-07-80	220.9	PCB 2
EO-47499	GENL 2102	OIL	11-07-80	17.2	PCB 2
EO-47499	GENL 2103	OIL	1-18-80	147.9	PCB 2
EO-47499	GENL 2104	OIL	4-28-87	156.0	PCB 2
EO-47499	GENL 2105	OIL	4-14-87	240.3	PCB 2
EO-47499	GENL 2106	OIL	11-25-85	175.5	PCB 2
EO-47499	GENL 2107	OIL	1-18-80	211.0	PCB 2

"CONTINUATION PAGE"

STATE MANIFEST DOCUMENT No. 00379281 <sup>76 D.E.</sup>

ROLLINS EO-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
EO-47492	GENL 1863 ✓	DEBRIS	01-05-90	183.7	PCB 2
EO-47499	GENL 1886 ✓	DEBRIS	02-23-90	129.0	PCB 2
EO-47499	GENL 1881 ✓	DEBRIS	07-03-90	126.6	PCB 2
EO-47499	GENL 1877 ✓	DEBRIS	10-26-89	57.7	PCB 2
EO-47499	GENL 2075	DEBRIS	10-27-89	84.4	PCB 2
EO-47499	GENL 1877 ✓	DEBRIS	01-16-90	111.6	PCB 2

PROGRAM-ID: PTR1722  
RUN DATE : 12/20/90  
RUN TIME : 2:30 PM

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
CERTIFICATE OF DESTRUCTION

PAGE: 1

\*\*\*\*\*  
Certificate of Destruction Stream Bill of Invoice Manifest Received Final  
Name and Address Number Lading Pounds Number Date Destruct  
\*\*\*\*\*  
046683 122334 3,555 TX00379276 11/30/90 12/15/90

U.S. DOE, OAK RIDGE NATL. L  
P O BOX 2008  
OAK RIDGE TN 37831-6198  
Attn: F.C. KORNEGAY

-----  
Inventory Customer's Unique ----- CONTAINER ----- Suff SXP Destroyed  
Cntrl Nbr Serial Number Type Pounds Contents Code TO Mthd Date  
-----  
001588763 ORNL 1861 55SD 477 LIQUID 46 I 12/15/90  
001588764 ORNL 1858 55SD 479 LIQUID 46 I 12/15/90  
001588765 ORNL 1865 55SD 301 LIQUID 46 I 12/15/90  
001588766 ORNL 1860 55SD 465 LIQUID 46 I 12/15/90  
001588767 ORNL 1859 55SD 452 LIQUID 46 I 12/15/90  
001588768 ORNL 1862 55SD 438 LIQUID 46 I 12/15/90  
001588769 ORNL 1864 55SD 470 LIQUID 46 I 12/15/90  
001588770 ORNL 1863 55SD 472 LIQUID 46 I 12/15/90  
  
Total Containers : 8 3,554

PROGRAM-ID: PTR1722  
RUN DATE : 12/20/90  
RUN TIME : 2:30 PM

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
CERTIFICATE OF DESTRUCTION


PAGE: 2

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\*\*\*\*\*  
\* 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: TXD055141373 \*  
\* \*  
\*\*\*\*\*

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 Destruction.

  
\_\_\_\_\_  
Authorized Agent  
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

PROGRAM-ID: PTR1722  
 RUN DATE : 12/20/90  
 RUN TIME : 2:30 PM

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
 CERTIFICATE OF DESTRUCTION

PAGE: 1

\*\*\*\*\*  
 Certificate of Destruction Stream Bill of Invoice Manifest Received Final  
 Name and Address Number Lading Pounds Number Date Destruct  
 \*\*\*\*\*  
 047498 122334 13,855 TX00379276 11/30/90 12/15/90

U.S. DOE, OAK RIDGE NATL. L  
 P O BOX 2008  
 OAK RIDGE TN 37831-6198  
 Attn: F.C. KORNEGAY

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	Pounds	Contents	Suff Code	SHP TO	Destroyed Mthd Date
001588772	ORNL 1969	55SD	478	LIQUID	40	I	12/14/90
001588773	ORNL 2083	55SD	300	LIQUID	40	I	12/14/90
001588774	ORNL 2081	55SD	302	LIQUID	40	I	12/14/90
001588775	ORNL 2082	55SD	301	LIQUID	40	I	12/14/90
001588777	ORNL 1946	55SD	440	LIQUID	40	I	12/14/90
001588778	ORNL 2030	55SD	442	LIQUID	40	I	12/14/90
001588779	ORNL 2027	55SD	430	LIQUID	40	I	12/05/90
001588780	ORNL 1949	55SD	441	LIQUID	40	I	12/14/90
001588781	ORNL 2101	55SD	500	LIQUID	40	I	12/14/90
001588782	ORNL 2028	55SD	532	LIQUID	40	I	12/05/90
001588783	ORNL 2026	55SD	324	LIQUID	40	I	12/05/90
001588784	ORNL 2100	55SD	512	LIQUID	40	I	12/14/90
001588785	ORNL 2097	55SD	380	LIQUID	40	I	12/14/90
001588786	ORNL 2102	55SD	386	LIQUID	40	I	12/14/90
001588787	ORNL 2096	55SD	381	LIQUID	40	I	12/14/90
001588788	ORNL 2098	55SD	385	LIQUID	40	I	12/14/90
001588789	ORNL 2099	55SD	460	LIQUID	40	I	12/14/90
001588790	ORNL 1970	55SD	470	LIQUID	40	I	12/14/90
001588791	ORNL 2029	55SD	396	LIQUID	40	I	12/05/90
001588792	ORNL 1739	55SD	496	LIQUID	40	I	12/05/90
001588793	ORNL 1947	55SD	415	LIQUID	40	I	12/14/90
001588794	ORNL 1975	55SD	417	LIQUID	40	I	12/14/90
001588795	ORNL 1974	55SD	416	LIQUID	40	I	12/14/90
001588796	ORNL 1971	55SD	445	LIQUID	40	I	12/14/90
001588797	ORNL 1968	55SD	447	LIQUID	40	I	12/14/90
001588798	ORNL 1948	55SD	440	LIQUID	40	I	12/14/90
001588799	ORNL 1972	55SD	438	LIQUID	40	I	12/14/90
001588800	ORNL 1945	55SD	437	LIQUID	40	I	12/14/90
001588801	ORNL 1973	55SD	439	LIQUID	40	I	12/14/90
001588802	ORNL 2093	20SD	141	LIQUID	40	I	12/15/90
001588803	ORNL 2092	85OP	538	LIQUID	40	I	12/15/90
001588805	ORNL 1950	55SD	478	LIQUID	40	I	12/14/90

Total Containers : 32 13,407

PROGRAM-ID: PTR1722  
RUN DATE : 12/20/90  
RUN TIME : 2:30 PM

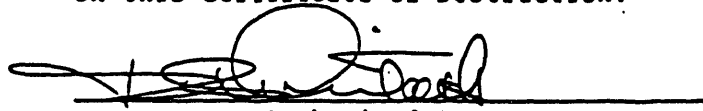
ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
CERTIFICATE OF DESTRUCTION

PAGE: 2

\*\*\*\*\*  
\* 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 Destruction.



Authorized Agent  
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

DEC 17 1990 <sup>147</sup>

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

December 7, 1990

U.S. DOE, OAK RIDGE NATIONAL LABORATORY  
P.O. BOX 2008  
OAK RIDGE, TN 37831-6198

ATTN: F.C. KORNEGAY

Dear Mr. Kornegay:

This is to certify the attached list of PCB material was incinerated at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



ROBERT S. WHITLOCK  
OPERATIONS MANAGER

Attachment

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

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
 CERTIFICATE OF DESTRUCTION AUTHORIZED  
 FOR PCB MATERIAL  
 TX00379276 11/30/90 12/03/90  
 046682 122334 315

Inventory	Customer's Unique	Type	CONTAINER	Contents	Suffix	Destroyed
Ctrl Nbr	Serial Number		Pounds		Code	Date
001588807	00NL 1763	SSSD	315	DEBRIS	48	12/03/90
Total Containers :			1			
			315			

# ROLLINS

ENVIRONMENTAL SERVICES (TX) INC.

P.O. Box 609, Deer Park, TX 77536, 713/930-2300, FAX 713/930-2316

December 7, 1990

U.S. DOE, OAK RIDGE NATIONAL LABORATORY  
P.O. BOX 2008  
OAK RIDGE, TN 37831-6198

ATTN: F.C. KORNEGAY

Dear Mr. Kornegay:

This is to certify the attached list of PCB material was incinerated at our Deer Park facility - Rollins Environmental Services (TX) Inc., P. O. Box 609, Deer Park, Texas 77536 (EPA ID# TXD055141378) in accordance with 40 CFR 761 as it pertains to incineration of PCB solids, liquids, and capacitors.

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 responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



ROBERT S. WHITLOCK  
OPERATIONS MANAGER

Attachment

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

PROGRAM-ID: PTR1722  
 RUN DATE : 12/04/90  
 RUN TIME : 3:38 PM  
 Stream Bill of Lading  
 Number

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
 CERTIFICATE OF DESTRUCTION AUTHORIZED  
 FOR PCB MATERIAL

Invoice Pounds 2.130 TX00379276 11/30/90 12/04/90 U.S. DOE, OAK RIDGE NATL. LAB.  
 Manifest Number Received Date Final Destroyed Date Certificate of Destruction  
 Name and Address  
 P O BOX 2008 TN 37831-6198  
 OAK RIDGE Attn: F.C. KORNEGAY

047499 122334

Inventory Cntrl Nbr	Customer's Unique Serial Number	Type	CONTAINER Pounds	Contents	Suffix Code	Mthd	Destroyed Date
001588809	ORNL 1577	555D	380	DEBRIS	48		12/01/90
001588810	ORNL 1856	555D	400	DEBRIS	48		12/04/90
001588811	ORNL 2075	555D	384	DEBRIS	48		12/01/90
001588812	ORNL 1981	555D	480	DEBRIS	48		12/03/90
001588813	ORNL 1777	555D	486	DEBRIS	48		12/03/90

Total Containers : 5

2.130

TEXAS WATER COMMISSION  
P.O. Box 13087, Capitol Station  
Austin, Texas 78711-3087



12/6

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

Form approved OMB No. 2050-0059, expires 04-30-91

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. TX N 1 8 9 0 0 9 0 0 0 3		Manifest Document No. 0 0 2 7 8		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN 37831-6198						A. State Manifest Document Number AR 00379282					
4. Generator's Phone (615) 574-5776						B. State Generator's ID 99947					
5. Transporter 1 Company Name Custom Environmental Transport			6. US EPA ID Number DE D 9 8 0 9 1 8 8 5 6			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. P.O. Box 609, 2027 Battleground Rd Deer Park, Texas 77535						10. US EPA ID Number TX D 0 5 5 1 4 1 3 7 6		G. State Facility's ID 50089			
						H. Facility's Phone 5713-930-2300					
11A. MM		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit (M/Dr)	15. Waste No.
X		a. "RQ, Hazardous Substance, Solid, N.O.S., ORM-E, NA9188 (POLYCHLORINATED BIPHENYLS)				0 1 7 DM		3623		K	779430
X		b. "RQ, Hazardous Substance, Liquid, N.O.S., ORM-E, NA9188 (POLYCHLORINATED BIPHENYLS)				0 0 1 DM		143		K	118870
		c.									
		d.									
J. Additional Descriptions for Materials Listed Above: 11a. RC-17530; 11b. RC-47486. Handling Codes for Wastes Listed Above: See Continuation Sheet. Site of generation: U.S. DOE, Oak Ridge National Laboratory, P.O. Box 2008, Oak Ridge, TN 37831-6198.											
15. Special Handling Instructions and Additional Information: Emergency Response Guide No. 11a. 31 11b. 31. Dike and contain spill, avoid skin contact. In case of emergency or spill, contact: Chemtec (800)424-9300, L.C. Wesley (615)574-7467 or ORL shift supervisor (615)574-6606. Hazardous Substance Release: U.S. Coast Guard 1-800-424-8802 / (202) 267-2675.											
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 threats 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 on behalf of the USDOE P. C. Kornegay				Signature on behalf of USDOE P. C. Kornegay				Month Day Year 11 12 91			
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature Robb G Jackson				Date 11 12 91	
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature				Date	
19. Discrepancy Indication Space Per my phone conversation with FRANK KORNAGAY the above quantity have been changed to reflect the actual amount received by RES(TX), Inc.											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. RES(TX)										Date 11 13 91	
Printed/Typed Name Melvin Laffey				Signature Melvin Laffey				Month Day Year 11 13 91			

HAZARDOUS WASTE

HAZARDOUS WASTE

HAZARDOUS WASTE

"CONTINUATION PAGE"

STATE MANIFEST DOCUMENT No. 20379282

HOLLINS NO-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
EO-47530	GENL 1945	BALLASTS	07-03-90	289.0	PCB 1
EO-47530	GENL 1946	BALLASTS	07-03-90	282.7	PCB 1
EO-47530	GENL 1947	BALLASTS	07-03-90	310.3	PCB 1
EO-47530	GENL 1948	BALLASTS	07-03-90	305.8	PCB 1
EO-47530	GENL 1949	BALLASTS	07-03-90	323.0	PCB 1
EO-47530	GENL 1950	BALLASTS	07-03-90	286.3	PCB 1
EO-47530	GENL 2023	BALLASTS	08-16-90	29.4	PCB 1
EO-47530	GENL 2057	BALLASTS	10-01-90	25.2	PCB 1
EO-47530	GENL 2059	BALLASTS	10-01-90	253.6	PCB 1
EO-47530	GENL 2076	BALLASTS	10-25-90	219.1	PCB 1
EO-47530	GENL 2077	BALLASTS	10-25-90	240.5	PCB 1
EO-47530	GENL 2078	BALLASTS	10-25-90	277.7	PCB 1
EO-47530	GENL 2079	BALLASTS	10-25-90	288.7	PCB 1
EO-47530	GENL 2080	BALLASTS	10-25-90	219.5	PCB 1
EO-47530	GENL 2084	BALLASTS	10-26-90	316.7	PCB 1
EO-47530	GENL 2085	BALLASTS	10-26-90	283.4	PCB 1
EO-47530	GENL 2088	BALLASTS	10-26-90	205.1	PCB 1
EO-47486	GENL 2116	TRANSFORMERS, FULL	07-22-90	51.9	PCB 1

PROGRAM-ID: PTR1722 ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
RUN DATE : 3/07/91 CERTIFICATE OF DESTRUCTION PAGE: 2  
RUN TIME : 2:27 PM  
\*\*\*\*\*


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*****
* 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)           80 - U. S. ECOLOGY
*                               P. O. BOX 576
*                               BEATTY NV 89003
*                               EPA ID: NVT330010000
*****

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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 Destruction.

  
\_\_\_\_\_  
Authorized Agent  
ROLLINS ENVIRONMENTAL SERVICES (TX) INC



Please print or type. (Form designed for use on nine (12-pitch) typewriter.)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. T N 1 8 9 0 0 9 0 0 0 3		Manifest Document No. 0 0 2 7 8		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address U.S. DOE, Oak Ridge National Laboratory P.O. Box 2008, Oak Ridge, TN 37831-6198 4. Generator's Phone ( 615) 574-5776						A. State Manifest Document Number No 00379282			
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		B. State Generator's ID 99947	
7. Transporter 2 Company Name						8. US EPA ID Number		C. State Transporter's ID 40756	
9. Designated Facility Name and Site Address Rollins Environmental Services (TX) Inc. P.O. Box 609, 2027 Battleground Rd Deer Park, Texas 77536						10. US EPA ID Number T X D 0 5 5 1 4 1 3 7 8		D. Transporter's Phone 713-930-4500	
								E. State Transporter's ID	
								F. Transporter's Phone	
								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	Waste No.
X	a. RQ, Hazardous Substance, Solid, N.O.S., ORM-E, NA9188 (POLYCHORINATED BIPHENYLS)				0 1 7	DM	0 4 1 5 2	K	179430
X	b. RQ, Hazardous Substance, Liquid, N.O.S., ORM-E, NA9188 (POLYCHORINATED BIPHENYLS)				0 0 1	DM	0 0 0 9 9	K	148870
	c.								
	d.								
Additional Descriptions for Materials Listed Above: 1a. 30-47530, 11b. 30-47296, Handling Codes: 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. See Continuation Sheet. Site of generation: U.S. DOE, Oak Ridge National Laboratory, P.O. Box 2008, Oak Ridge, TN 37831-6198.									
15. Special Handling Instructions and Additional Information: Emergency Response Guide No. 11a. 31 11b. 31 Dike and contain spill, avoid skin contact. In case of emergency or spill, contact: Chemtec (800)424-9300, L.C. Wesley (615)574-7467 or ORNL shift supervisor (615)574-6606. Hazardous Substance Release: U.S. Coast Guard 1-800-424-8802 / (202) 267-2675.									
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 on behalf of the USDOE F. C. Kornegay				Signature F. C. Kornegay				Month Day Year 11 29 90	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name Robby C Jackson				Signature Robby C Jackson				Month Day Year 11 29 90	
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	

"CONTINUATION PAGE"

STATE MANIFEST DOCUMENT No. 003792.82

ROLLINS 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
HO-47530	OENL 1955	BALLASTS	07-03-90	289.0	PCB 1
HO-47530	OENL 1956	BALLASTS	07-03-90	252.7	PCB 1
HO-47530	OENL 1957	BALLASTS	07-03-90	310.3	PCB 1
HO-47530	OENL 1958	BALLASTS	07-03-90	305.8	PCB 1
HO-47530	OENL 1959	BALLASTS	07-03-90	323.0	PCB 1
HO-47530	OENL 1960	BALLASTS	07-03-90	296.3	PCB 1
HO-47530	OENL 2013	BALLASTS	08-10-90	89.4	PCB 1
HO-47530	OENL 2057	BALLASTS	10-05-90	88.2	PCB 1
HO-47530	OENL 2058	BALLASTS	10-05-90	253.6	PCB 1
HO-47530	OENL 2076	BALLASTS	10-25-90	219.1	PCB 1
HO-47530	OENL 2077	BALLASTS	10-25-90	240.5	PCB 1
HO-47530	OENL 2078	BALLASTS	10-25-90	277.7	PCB 1
HO-47530	OENL 2079	BALLASTS	10-25-90	188.7	PCB 1
HO-47530	OENL 2080	BALLASTS	10-25-90	210.5	PCB 1
HO-47530	OENL 2084	BALLASTS	10-26-90	316.7	PCB 1
HO-47530	OENL 2085	BALLASTS	10-26-90	285.4	PCB 1
HO-47530	OENL 2086	BALLASTS	10-26-90	205.1	PCB 1
HO-47496	OENL 2015	TRANSFORMERS, FULL	07-23-90	98.9	PCB 1

MAR 15 '91 09:10

RES TX

165 P01

Transmittal Memo 7672

*Kim Louis Wesley*  
M.M.

No. of Pages: *2*  
 From: *Edie [unclear]*  
 Company: *Rollins Tx (LA)*  
 Location: *[unclear]*  
 Fax #:  
 Today's Date: *3/15/91* Time: *8:15*  
 Dept. Charge: *KIM Dupree*  
 Telephone #:

Telephone #:  
*(504) 778-3526*  
 Comments:

Original Disposition:  Destroy  Retire  Call for pickup

*Thanks, Louis*

*If you have any questions,  
 please call me @ 504-778-3516* ☺

PROGRAM-ID: PTR1722 ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
 RUN DATE : 3/07/91 CERTIFICATE OF DESTRUCTION PAGE: 1  
 RUN TIME : 2:27 PM

Certificate of Destruction Name and Address	Stream Number	Bill of Lading	Invoice Pounds	Manifest Number	Received Date	Final Destruct
	047496	122334	315	TX00379282	11/30/90	02/12/91

U.S. DOE, OAK RIDGE NATL. LAB.  
 P O BOX 2008  
 OAK RIDGE TN 37831-6198  
 Attn: F.C. KORNEGAY

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	Pounds	Contents	Suff Code	52P TO Mchd	Destroyed Date
001588742	ORNL 2015	TRANSC	210	TRANSFORMERS	83	80	L 02/12/91
001588743	ORNL 2015	TRANSG	105	LIQUID	83		I 12/07/90
Total Containers :		1	315				

PROGRAM-ID: PTR1722  
RUN DATE : 3/07/91  
RUN TIME : 2:27 PM


ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
CERTIFICATE OF DESTRUCTION

PAGE: 2

\*\*\*\*\*  
\* 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) 80 - 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 Destruction.

  
\_\_\_\_\_  
Authorized Agent  
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

\*\*\*\*\*  
 Certificate of Destruction Stream Bill of Invoice Manifest Received Final  
 Name and Address      Number Lading Pounds      Number      Date      Destruct  
 \*\*\*\*\*  
 047530 122334      7,970      TX00379282 11/30/90 12/04/90

U.S. DOE, OAK RIDGE NATL. L  
 P O BOX 2008  
 OAK RIDGE TN 37831-6198  
 Attn: F.C. KORNEGAY

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	Pounds	Contents	Suff SHP Code	Destroyed TO Mthd Date
001588745	ORNL 2057	55SD	300	CAPACITORS	39	I 12/04/90
001588746	ORNL 2077	55SD	330	CAPACITORS	39	I 12/04/90
001588747	ORNL 1956	55SD	390	CAPACITORS	39	I 12/04/90
001588748	ORNL 1955	55SD	390	CAPACITORS	39	I 12/04/90
001588749	ORNL 2025	55SD	610	CAPACITORS	39	I 12/04/90
001588750	ORNL 2084	55SD	612	CAPACITORS	39	I 12/04/90
001588751	ORNL 1958	55SD	610	CAPACITORS	39	I 12/04/90
001588752	ORNL 2086	55SD	612	CAPACITORS	39	I 12/04/90
001588753	ORNL 1960	55SD	380	CAPACITORS	39	I 12/04/90
001588754	ORNL 2013	55SD	388	CAPACITORS	39	I 12/04/90
001588755	ORNL 2058	55SD	384	CAPACITORS	39	I 12/04/90
001588756	ORNL 1959	55SD	481	CAPACITORS	39	I 12/04/90
001588757	ORNL 1957	55SD	485	CAPACITORS	39	I 12/04/90
001588758	ORNL 2078	55SD	500	CAPACITORS	39	I 12/04/90
001588759	ORNL 2079	55SD	500	CAPACITORS	39	I 12/04/90
001588760	ORNL 2080	55SD	500	CAPACITORS	39	I 12/04/90
001588761	ORNL 2076	55SD	500	CAPACITORS	39	I 12/04/90
Total Containers :		17	<u>7,972</u>			

PROGRAM-ID: PTR1722  
RUN DATE : 12/14/90  
RUN TIME : 8:12 AM

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
CERTIFICATE OF DESTRUCTION


PAGE: 2

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\*\*\*\*\*  
\* 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 \*  
\* \*  
\*\*\*\*\*

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\_\_\_\_\_  
Authorized Agent  
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

PROGRAM-ID: PTR1722  
RUN DATE : 3/07/91  
RUN TIME : 2:27 PM

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
CERTIFICATE OF DESTRUCTION

PAGE: 1

\*\*\*\*\*  
Certificate of Destruction Stream Bill of Invoice Manifest Received Final  
Name and Address Number Lading Pounds Number Date Destruct  
\*\*\*\*\*  
047496 122334 315 TX00379282 11/30/90 02/12/91

U.S. DOE, OAK RIDGE NATL. LAB.  
P O BOX 2008  
OAK RIDGE TN 37831-6198  
Attn: F.C. KORNEGAY

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	Pounds	Contents	Suff Code	SRP TO	Destroyed Mthd	Date
001588742	ORNL 2015	TRANSC	210	TRANSFORMERS	83	80	L	02/12/91
001588743	ORNL 2015	TRANSG	105	LIQUID	83		I	12/07/90
Total Containers :		1	315					

PROGRAM-ID: PTR1722  
RUN DATE : 3/07/91  
RUN TIME : 2:27 PM

ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
CERTIFICATE OF DESTRUCTION

PAGE: 2

\*\*\*\*\*

\*\*\*\*\*  
\* 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) 80 - U. S. ECOLOGY \*  
\* P. O. BOX 576 \*  
\* BEATTY NV 89003 \*  
\* EPA ID: NVT330010000 \*  
\* \*  
\*\*\*\*\*

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\_\_\_\_\_  
Authorized Agent  
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

PROGRAM-ID: PTR1722  
RUN DATE : 3/07/91  
RUN TIME : 2:27 PM


ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
CERTIFICATE OF DESTRUCTION

PAGE: 2

\*\*\*\*\*  
\* 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) 80 - U. S. ECOLOGY \*  
\* P. O. BOX 576 \*  
\* BEATTY NV 89003 \*  
\* EPA ID: NVT330010000 \*  
\*\*\*\*\*

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

  
\_\_\_\_\_  
Authorized Agent  
ROLLINS ENVIRONMENTAL SERVICES (TX) INC

Post-it brand Fax Transmittal Memo 7672

To *Kim Louis Wesley*  
Company *M.M.*

No. of Pages *2* Date *3/15/91* Time *8:15*  
From *Edie [unclear] KIM Dyer*  
Company *Rollins TX (LA)*  
Location  
Fax #  
Original Disposition:  Destroy  Retain  Call for pickup

Location  
Fax # *(504) 778-3526*  
Comments

*Shane Louis*

*If you have any questions,  
please call me @ 504-778-3516* ☺

PROGRAM-ID: FTR1722 ROLLINS ENVIRONMENTAL SERVICES (TX) INC  
RUN DATE : 3/07/91 CERTIFICATE OF DESTRUCTION PAGE: 1  
RUN TIME : 2:27 PM

Certificate of Destruction Name and Address	Stream	Bill of Lading Number	Invoice Pounds	Manifest Number	Received Date	Final Destruct
	047496	122334	315	TXC0379282	11/30/90	02/12/91

U.S. DOE, OAK RIDGE NATL. LAB.  
P O BOX 2008  
OAK RIDGE TN 37831-6198  
Attn: F.C. KORNIGAY

Inventory Cntrl Nbr	Customer's Unique Serial Number	CONTAINER Type	CONTAINER		Suff Code	SEP TO Mthd	Destroyed Date
			Pounds	Contents			
001588742	ORNL 2015	TRANSC	210	TRANSFORMERS	83	80	L 02/12/91
001588743	ORNL 2015	TRANSC	105	LIQUID	83		I 12/07/90
Total Containers :		1	315				

INTERNAL DISTRIBUTION

1. Bruce, C. E.
- 2-3. Dailey, N. S.
4. Edgemon, K. G., Jr.
5. Wesley, L. C., III
- 6-10. Greer, J. K., Jr.
11. Ilgner, R. H.
12. Keeling, R. J.
13. Kendrick, C. M.
14. Kornegay, F. C.
15. Murphy, J. B.
16. Nix, C. E.
17. Oliphant, G. W.
18. Perry, T. P. A.
19. Row, T. H.
20. Scanlan, T. F.
21. Swanks, J. H.
22. Central Research Library
23. Document Reference Section
24. ORNL Patent Office
- 25-26. Laboratory Records Department

EXTERNAL DISTRIBUTION

- 27-30. Radcliffe, L. L., Director, Waste Management Division, Department of Energy Field Office, Post Office Box 2001, EW-92, Room 2116, Oak Ridge, Tennessee 37831
- 31-33. Reafsnnyder, J. A., Deputy Assistant Manager, Energy Research and Development, Department of Energy Field Office, Post Office Box 2008, Oak Ridge, Tennessee-6269
34. Sleeman, R. C., Environmental Restoration Division, Department of Energy Field Office, Post Office Box 2001, Oak Ridge, Tennessee 37831-8541
- 35-36. Office of Scientific and Technical Information, Post Office Box 62, Oak Ridge, TN 37831

**END**

**DATE  
FILMED**

*2 / 18 / 92*

