DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street Boston, Massachusetts 02108

4006976LO 1096

MA284454

UNIFORM HAZARDOUS WASTE MANIFEST

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

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
MAD980685354	45448		

3. Generator's Name and Mailing Address
RAYTHEON CO.
~~[illegible]~~
528 Boston Post Rd Sudbury, MA. 01776

4. Generator's Phone (508) 440-2739

A. State Manifest Document Number MA J 284454

B. State Gen. ID RAYTHEON
430 Boston Post Rd WAYLAND MA. 01778

C. State Trans. ID 490-38X (6 ft)

D. Transporter's Phone 800-345-8739

E. State Trans. ID 9220-68 OK

F. Transporter's Phone 800-366-9530

G. State Facility's ID NOT REQUIRED 994

H. Facility's Phone (910) 392-6106

5. Transporter 1 Company Name	6. US EPA ID Number
J.B. Hunt Special Commodities	ARD981908551
7. Transporter 2 Company Name	**8. US EPA ID Number**
Laidlaw Environmental Svc (TG) Inc	SCD987574647
9. Designated Facility Name and Site Address	**10. US EPA ID Number**
LAIDLAW ENVIRONMENTAL SERVICES (TS), INC. 206 WATLINGTON INDUSTRIAL DRIV E RED SVILLE, NC 27320	NCD006468951

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.
a. RQ POLYCHLORINATED BIPHENYLS, 9, UN2315, II, RQ(PCB2 MA02)	002	DM	630	K	PCB2 MA02
b. RQ HAZARDOUS WASTE SOLID, N.O.S., (LEAD, CHROMIUM), 9, NA3077, II, RQ(D007, D008)	006	DM	1600	K	MA02 PCB2 D007 D008
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code)
a. 47131-LES-01,02 NERAC108 PCB Soil 2.13
b. 47131-LES-03-08 NERAC107 PCB Soil w/Metals DM005

K. Handling Codes for Wastes Listed Above
a. S10 c.
b. S10 d.

15. Special Handling Instructions and Additional Information
(508) 490-2495
Emergency Contact: Owen O'Rourke
Drums out of service 12-15-95
Laidlaw Contact: David Davis 704-663-1011 ext. 324

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

Printed/Typed Name	Signature	Date
Owen O'Rourke	Owen O'Rourke	

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date
CARL E. RAMBLER		

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

19. Discrepancy Indication Space

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

Typed Name	Signature	Date

Form OMB No. 2050-0039. Expires 9-30-96
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

COPY>3: FACILITY MAILS TO GENERATOR

GENERATOR

In case of emergency or spill, immediately c[all] the National Response Center (800) 424-8802

1

PCB SHIPMENT WORKSHEET

Generator Name: Raytheon Co. EPA ID# MAD 990 685 554

Address: 430 Boston Post Rd. P.O.#

Wayland, MA 01778 Manifest# MA5284454

Contact: Grace Hwang

Phone: 508-440-2729

PCB INFORMATION				
Drum #	Weight(kg)	Out of Service Date	Contents	Disposal Method
2-13 Sump NERAC 108		12/18/95	PCB Soil	Landfill
DW-05 NERAC 107		12/18/95	PCB Soil/Sludge	Landfill
HOT SPOT			→ w/metals	

ADDITIONAL INFORMATION FOR CAPACITORS/TRANSFORMERS

Drum #	Unit Dimension	Leaking? Yes/No	Manufacturers Serial#	Pallet or Drum?

LAIDLAW ENVIRONMENTAL SERVICES

Determination of Underlying Constituents

Generator Name: Raytheon Co. Location: 430 Boston Post Rd Wayland, MA

Waste Name: PCB Soil / Debris [213 5] Waste Codes: PCB1 MA02

EPA ID #: MAD 990685 554 Profile #: _____

In accordance with final Land Disposal Restriction regulations published on May 18, 1993 and September 19, 1994, hazardous wastes which exhibit the characteristics of: D001 (ignitability, except for D001, High TOC Ignitable Subcategory, TOC > 10%); D002 (corrosivity); and D012 through D043 (toxicity characteristic for pesticides and organics) must be treated to remove the characteristic and for all "underlying constituents" which are reasonably expected to be present in the waste at levels above those listed in 40 CFR Part 268.48, Table UTS - Universal Treatment Standards, at the point of generation of the waste. Generators of these wastes are now responsible for monitoring and identifying, through analysis or documentable knowledge, all underlying constituents reasonably expected to be present in the waste above the UTS level. Wastes exhibiting the characteristics of D004 through D011 (toxicity characteristic for metals) are not affected by this rule.

In order to comply with the requirements of these rules, Laidlaw Environmental Services is requesting all generators whose wastes exhibit one or more of the affected characteristics to review the Universal Treatment Standards table on the back of this form and check the statement which is appropriate for the waste material.

☒ *I certify that this waste <u>does not</u> contain any of the "underlying constituents" indicated in 40 CFR Part 268.48, Table UTS. This certification is supported by:*

- ☒ *Analytical Data (Please provide);*
- ☒ *Generator Knowledge.*

☐ *I certify that this waste meets the Universal Treatment Standards for all "underlying constituents" reasonably expected to be present in this waste. (Please provide analytical data supporting this certification).*

☐ *I notify that this waste <u>does not</u> meet the Universal Treatment Standards for the following "underlying constituents" and must be treated before this waste can be land disposed. (Please list all applicable legend numbers from the table provided on the back of this form).*

_____

_____

_____

Print Name: Grace Hwang Signature: Grace Hwang

Title: Technical Specialist Date: 1/16/96

LAIDLAW ENVIRONMENTAL SERVICES

Customer Notification And Certification

FORM A
Page 1 of 1

Generator Name/Location: Raytheon Co. 430 Boston Post Rd. Wayland, MA 01778

EPA I.D. Number: MAD990685554

Waste Profile or ARF Designation: NERAC 108 NERAC 107

Manifest Number: MAS 284454

EPA Waste Number(s): D007 D008 PCB2 MA02

Waste Analysis Available? Yes (attached) ____ No X On file at receiving facility ____

Unrestricted Waste Notification (*Category 1*)

Mark the statement below if you generate a waste that is not a land disposal restricted waste (the waste has no applicable treatment standards).

☒ *I notify that I am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR §268, Subpart D or any applicable prohibitions set forth in 40 CFR §268.32 or RCRA Section 3004(d).*

Restricted Waste/Debris Notification (*Category 2*)

Mark statement (2a) below if you generate a waste that is restricted from land disposal (the waste has applicable treatment standards). **NOTE-1:** A waste may pass one or more standards and require treatment or be varianced for others. In this case, all applicable categories must be checked. **NOTE-2:** D001, D002 and D012 - D043 wastes must be evaluated for underlying constituents found in 40 CFR §268. 48 (Table UTS), that are reasonably expected to be present. A list of these constituents must be included on FORM B, or attached to and accompany this notification with each waste shipment. Mark statement (2b) if you generate a debris waste that will be treated to the alternate debris standards located in 40 CFR §268.45.

☒ **(2a) Restricted Waste Notification**

I notify that I am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is subject to the treatment standards specified in 40 CFR §268 Subpart D. The waste: (a) must be treated to the appropriate regulatory treatment standard, by the appropriate regulatory treatment method; (b) qualifies for a variance as described in category 3 below; or (c) meets some or all of the standards as described in Category 4 below.

☐ **(2b) Alternate Debris Treatment Notification: This hazardous debris is subject to the alternate treatment standards of 40 CFR §268.45.**

The waste contains the following contaminants subject to treatment [check all that apply]:

_____§268.45(b)(1) - Toxicity characteristic debris;

_____§268.45(b)(2) - Debris contaminated with listed waste;

_____§268.45(b)(3) - Cyanide reactive debris.

Restricted Waste Variance Notification (*Category 3*)

Mark the statement below and list the applicable variance date on Form B, if you generate a waste which does not require treatment prior to land disposal because of a variance (including a case-by-case extension under 40 CFR §268.5, a nationwide variance under 40 CFR §268 Subpart C, a no migration petition under 40 CFR §268.6, or other applicable variance).

☐ *I notify pursuant to 40 CFR §268.7(a)(3) that I am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that this waste is subject to a national capacity variance under 40 CFR §268 Subpart C, or a case-by-case extension under 40 CFR §268.5, or an exemption under 40 CFR §268.6.*

Restricted Waste Certification (Treatment Standards Met) (*Category 4*)

Mark the certification statement below if you generate a waste that is restricted from land disposal (the waste has applicable treatment standards), and the waste meets the standards as generated. Note: All applicable constituent standards must be accounted for. A waste may pass one or more standards and require treatment or be variance for other constituents. In this case, all applicable categories must be checked.

☐ *I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA § 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.*

SIGNATURE: Quinn O'Rourke DATE: 1-23-96

PRINT NAME: Quinn O'Rourke TITLE: Hazmat Specialist

TC RULE CERTIFICATION/RECERTIFICATION FORM

Generator Name: Raytheon Co. Location: 430 Boston Post Rd Waylard, MA Waste Name: PCB Soil / Debris

Profile #: _____ EPA ID#: MAD 099 068 555 Laidlaw Category: _____

CHARACTERISTICS OF HAZARDOUS WASTE: Indicate if this waste contains any of the following characteristics based on criteria mandated by 40 CFR 261.21, 261.22, 261.23 and 261.24.

Constituent	*Regulatory Threshold Level	(Check One) Yes	(Check One) No	(Check One) Scientific Data	(Check One) Generator Knowledge	(Check One) Actual Value
D001 (Ignitability)**	<140°F	___	X	___	___	___
D002 (Corrosivity)**	≤2 or ≥12.5	___	X	___	___	___
D003 (Reactivity)		___	X	___	___	___
D004 (Arsenic)	5.0 ppm	___	X	___	___	___
D005 (Barium)	100.0 ppm	___	X	___	___	___
D006 (Cadmium)	1.0 ppm	___	X	___	___	___
D007 (Chromium)	5.0 ppm	___	X	___	___	___
D008 (Lead)	5.0 ppm	___	X	___	___	___
D009 (Mercury)	0.20 ppm	___	X	___	___	___
D010 (Selenium)	1.0 ppm	___	X	___	___	___
D011 (Silver)	5.0 ppm	___	X	___	___	___
D012 Endrin	0.02 ppm	___	X	___	___	___
D013 Lindane	0.4 ppm	___	X	___	___	___
D014 Methoxychlor	10.0 ppm	___	X	___	___	___
D015 Toxaphene	0.5 ppm	___	X	___	___	___
D016 2,4-D	10.0 ppm	___	X	___	___	___
D017 2,4,5-TP (Silvex)	1.0 ppm	___	X	___	___	___
D018 Benzene	0.5 ppm	___	X	___	___	___
D019 Carbon Tetrachloride	0.5 ppm	___	X	___	___	___
D020 Chlordane	0.03 ppm	___	X	___	___	___
D021 Chlorobenzene	100.0 ppm	___	X	___	___	___
D022 Chloroform	6.0 ppm	___	X	___	___	___
D023 o-Cresol	200.0 ppm	___	X	___	___	___
D024 m-Cresol	200.0 ppm	___	X	___	___	___
D025 p-Cresol	200.0 ppm	___	X	___	___	___
D026 Cresol	200.0 ppm	___	X	___	___	___
D027 1,4-Dichlorobenzene	7.5 ppm	___	X	___	___	___
D028 1,2-Dichloroethane	0.5 ppm	___	X	___	___	___
D029 1,1-Dichloroethane	0.7 ppm	___	X	___	___	___
D030 2,4-Dinitrotoluene	0.13 ppm	___	X	___	___	___
D031 Heptachlor (and its epoxide)	0.008 ppm	___	X	___	___	___
D032 Hexachlorobenzene	0.13 ppm	___	X	___	___	___
D033 Hexachlorobutadiene	0.5 ppm	___	X	___	___	___
D034 Hexachloroethane	3.0 ppm	___	X	___	___	___
D035 Methyl ethyl ketone	200.0 ppm	___	X	___	___	___
D036 Nitrobenzene	2.0 ppm	___	X	___	___	___
D037 Pentachlorophenol	100.0 ppm	___	X	___	___	___
D038 Pyridine	5.0 ppm	___	X	___	___	___
D039 Tetrachloroethylene	0.7 ppm	___	X	___	___	___
D040 Trichloroethylene	0.5 ppm	___	X	___	___	___
D041 2,4,5-Trichlorophenol	400.0 ppm	___	X	___	___	___
D042 2,4,6-Trichlorophenol	2.0 ppm	___	X	___	___	___
D043 Vinyl Chloride	0.2 ppm	___	X	___	___	___

* As defined by the TCLP (Method 1311)

** If waste exhibits characteristics of Ignitability or Corrosivity the ICR Rule Certification on the back must be completed.

____ I certify that this waste is considered non-hazardous under 40 CFR 261. (Please initial if applicable)

Indicate the expected concentrations of the following parameters for this waste stream:

Thallium (ppm) ____ Ammonia (ppm) ____ TOC (ppm) ____ VOC (ppm) ____ COD (ppm) ____

TPH (ppm) ____ TCLP-TPH (ppm) ____ BOD (ppm) ____ Oil (%) ____ Ash (%) ____ Chloride (ppm) ____

Does this waste contain any of the following: Pesticides, Herbicides, or Dioxins? Please initial one: Yes ____ No ____
If YES, indicate compounds and concentrations: _____

"LISTED" Hazardous Wastes: Indicate if this waste also contains any listed hazardous wastes coded in 40 CFR 261.31, 261.32, and 261.33 by including the appropriate EPA hazardous waste code(s).

PCB1 MA02 _____ _____ _____ _____ _____ _____

Please initial each statement if your waste does not carry any listed hazardous wastes coded in 40 CFR 261.31, 261.32 and/or 261.33.

(X) I certify that this waste does not contain any listed hazardous waste(s) coded in 40 CFR 261.31, 261.32 and/or 261.33.

____ I certify that the treatment of this waste will not produce any listed hazardous waste(s) coded in 40 CFR 261.31 and/or 261.32 (i.e. F006 sludges from the treatment of electroplating wastewaters. F019 sludges from aluminum chemical conversion coating wastewaters).

SORBENT NOTIFICATION: Please initial the appropriate line.

(X) I have not added sorbents (i.e. material that is used to soak up free liquids by either adsorption or absorption, or both. Sorb means to either adsorb, absorb, or both) to the waste streams indicated above.

____ I have added sorbents (i.e. material that is used to soak up free liquids by either adsorption or absorption, or both. Sorb means to either adsorb, absorb, or both) to the waste streams indicated above. I certify that any sorbent agents added to this waste are considered nonbiodegradable as indicated in 40 CFR Section 264.314/265.314.

REPRESENTATIVE SAMPLE CERTIFICATION: Please initial below.

____ I certify that the sample presented is representative of the waste and has been collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods" SW246, USEPA. Office of Solid Waste, Washington, D.C. 20460.

GENERATOR CERTIFICATION:
I hereby certify that all information submitted on this form and all attached documents are true and accurate. In the event that this form is not fully completed, I authorize Laidlaw Environmental Services (TS) Inc. to conduct necessary testing at my expense to properly complete the form, and to modify my profile based upon the analytical data on the representative sample sent upon my notification.

Print Name Grace Hwang Signature Grace Hwang Title Technical Specialist Date 1/16/96

THIS CERTIFICATION/RECERTIFICATION IS REQUIRED FOR EACH PROFILE TO LAIDLAW ENVIRONMENTAL SERVICES (TS), INC.
ORIGINAL SIGNATURE REQUIRED

LAIDLAW ENVIRONMENTAL SERVICES

HAZARDOUS MATERIALS WASTE DISPOSAL

LAIDLAW ENVIRONMENTAL SERVICES (TS), INC.
208 WATLINGTON INDUSTRIAL DR
REIDSVILLE NC 27320-

Mail To: RAYTHEON COMPANY
430 BOSTON POST ROAD
WAYLAND MA 01778-
Attention: GRACE HWANG

Pickup Address: RAYTHEON COMPANY
430 BOSTON POST ROAD
WAYLAND MA 01778-

EPA ID: MAD990685554

Manifest No: NERAC-12795

This is to certify that hazardous material removed from RAYTHEON COMPANY

has been disposed of in accordance with all applicable local, state and federal regulations in the following ma

Container	Date	Location	Method
951207-NERAC-001	03/21/96	PPM	RECOVERY
NERAC104		TUCKER GA	
951207-NERAC-002	03/21/96	PPM	STABILIZATION
NERAC106		TUCKER GA	

Thomas W. Collier
Operations

Date: 03/25/96

Limited Removal Action

DW- 06

AMERICAN RECLAMATION CORPORATION

AMREC

INFORMATION FORM FOR RELEASE SITES

GENERATOR INFORMATION:

Generator Name: Raytheon Electronic System

Generator Address: 430 Boston Post Road
Wayland MA 01778

Release Location: No Known or Source Specific release

Contact Person: Grace Hwang

Telephone: 508 440 2729 Fax: 508 440 2051

RELEASE INFORMATION:

Site History/Use: This site was a research and development center. Pilot, small scaled production of electronic related devices was tested and created (machined).

Description of Release: No known release is directly related to this soil. This soil surrounds a drywell which was a conveyance for wastewaters containing oils from an old machine shop.

Petroleum Released: N/A

Amount of Soil: Approximately 60 cubic yards

Description of Soil: silty soil, <1% stone/rock mixed in this soil based on visual inspection.

BILLING INFORMATION: (for submission of documentation and invoice(s))

Company: Laidlaw Environmental

Address: 221 Sutton Street
N. Andover

Contact Person: Dave Danis/Scott Schultz

Telephone: 508 683 1002 Fax: 508 682 3871

100 West Main Street
Northborough, MA 01532
(508) 393-6333
Fax (508) 393-4511

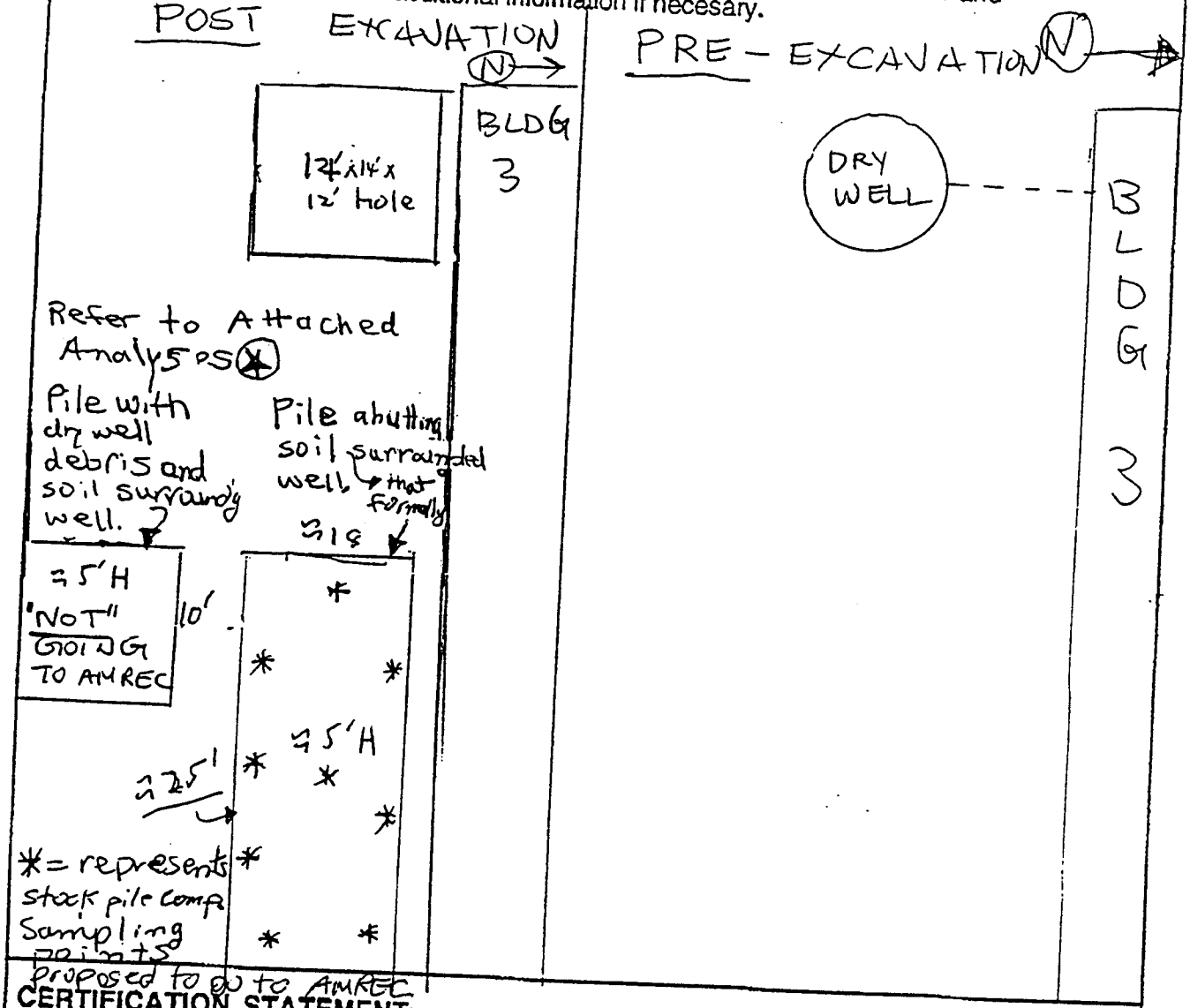
Plant: 130 Sturbridge Road
P.O. Box 653
Charlton, MA 01508
(508) 248-3777
Fax (508) 248-7701

(★) Results for TPH, RCRA 8 metals total, PCRA 8 metals TCLP and
came from stock pile composite sampling. Results for SVOCs and
VOCs came from drywell bottom prior to excavation.

SITE DIAGRAM AND SAMPLING INFORMATION:

Note: Not to scale

In the space below, please provide an approximate representation of the site and/or the stockpile(s) of soil designated for recycling. Indicate the sampling delineations and methodologies used. Attach additional information if necesary.



CERTIFICATION STATEMENT:

I certify that the information provided on this sheet and applicable attachments has been carefully reviewed and is representative of the site, and I have applied due diligence in the characterization of the site.

Signed: Grace Hwang Date: 12/6/95

Name: Grace M Hwang Title: Environmental Engineer

Company: Raytheon

Telephone: 508 440 2729 Fax: 508 440 2051

ATTORNEY CLIENT 03/10
COMMUNICATION AND
WORK PRODUCT, ALL
PRIVILEGES CLAIMED
2.23

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

Laboratory Sample Number: L9508905-01
Sample Matrix: C-1 SOIL

Date Collected: 17-NOV-95
Date Received : 17-NOV-95
Date Reported : 21-NOV-95

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3 Glass

PARAMETER	RESULT	UNITS	RDL	REP	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	92.	%	0.10	3	2540B		20-Nov	ST
Total Metals					3005A/3050			
Arsenic, Total	2.9	mg/kg	0.20	1	6010	20-Nov	20-Nov	GF
Barium, Total	20.	mg/kg	2.0	1	6010	20-Nov	20-Nov	GF
Cadmium, Total	ND	mg/kg	0.40	1	6010	20-Nov	20-Nov	GF
Chromium, Total	37.	mg/kg	0.80	1	6010	20-Nov	20-Nov	GF
Lead, Total	4.8	mg/kg	2.0	1	6010	20-Nov	20-Nov	GF
Mercury, Total	ND	mg/kg	0.25	1	7470/7471	18-Nov	20-Nov	DM
Selenium, Total	ND	mg/kg	0.40	1	6010	20-Nov	20-Nov	GF
Silver, Total	ND	mg/kg	0.40	1	6010	20-Nov	20-Nov	GF
TCLP Extraction					1311		20-Nov	
Arsenic, TCLP	ND	mg/l	1.0	1	6010	21-Nov	21-Nov	GF
Barium, TCLP	ND	mg/l	0.50	1	6010	21-Nov	21-Nov	GF
Cadmium, TCLP	ND	mg/l	0.10	1	6010	21-Nov	21-Nov	GF
Chromium, TCLP	ND	mg/l	0.20	1	6010	21-Nov	21-Nov	GF
Lead, TCLP	ND	mg/l	0.50	1	6010	21-Nov	21-Nov	GF
Mercury, TCLP	ND	mg/l	0.005	1	7470/7471	21-Nov	21-Nov	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010	21-Nov	21-Nov	GF
Silver, TCLP	ND	mg/l	0.10	1	6010	21-Nov	21-Nov	GF
Polychlorinated Biphenyls					8080	20-Nov	21-Nov	DB
Arochlor 1221	ND	ug/kg	250					
Arochlor 1232	ND	ug/kg	250					
Arochlor 1242/PCB 1016	ND	ug/kg	250					
Arochlor 1248	ND	ug/kg	250					
Arochlor 1254	ND	ug/kg	250					
Arochlor 1260	ND	ug/kg	250					
Arochlor 1262	ND	ug/kg	250					
Arochlor 1268	ND	ug/kg	250					

Comments: Complete list of References and Glossary of Terms found in Addendum I

A 1

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

ATTORNEY CLIENT COMMUNICATION WORK PRODUCT PRIVILEGES CLAIMED

2.23

Laboratory Job Number: L9508905

Parameter	% Recovery
Total Metals	**Spike for sample(s): 01-02**
Mercury, Total	85
Total Metals	**Spike for sample(s): 01-02**
Arsenic, Total	69
Barium, Total	94
Cadmium, Total	100
Chromium, Total	61
Lead, Total	94
TCLP Extraction	**Spike for sample(s): 01-02**
Arsenic, TCLP	94
Barium, TCLP	94
Cadmium, TCLP	96
Chromium, TCLP	101
Lead, TCLP	92
Selenium, TCLP	101
Silver, TCLP	90
TCLP Extraction	**Spike for sample(s): 01-02**
Mercury, TCLP	90

2.23

ATTORNEY CLIENT COMMUNICATION AND WORK PRODUCT, ALL PRIVILEGES CLAIMED

ALPHA ANALYTICAL LABS
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. 1986.

3. Standard Methods for Examination of Water and Waste Water. APHA-AWWA-WPCF. 17th Edition. 1989.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.

METHOD Method number by which analysis was performed.

ID Initials of the analyst.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

CERTIFICATE OF ANALYSIS

Client: Raytheon Company

Address: 528 Boston Post Road
M/S 4-2-263
Sudbury, MA 01776

Attn: William Smey

Project Number: WAY ESA

Site: ESA/Wayland

Laboratory Job Number: L9509252

Invoice Number: 79441

Date Received: 04-DEC-95

Date Reported: 05-DEC-95

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9509252-01	DW-06C	DW-06

Authorized by: James R. Roth

James R. Roth, PhD - Laboratory Manager

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

Laboratory Sample Number: L9509252-01
Sample Matrix: DW-06C SOIL

Date Collected: 04-DEC-95
Date Received : 04-DEC-95
Date Reported : 05-DEC-95

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1 Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	94.	%	0.10	3	2540B		05-Dec	ST
Hydrocarbons, Total	ND	mg/kg	40.	1	418.1	05-Dec	05-Dec	ST

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L9509252

Parameter	Value 1	Value 2	RPD	Units
Solids, Total	DUPLICATE for sample(s) 01			
	99.	99.	0	%
Hydrocarbons, Total	DUPLICATE for sample(s) 01			
	ND	ND	NC	mg/kg

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L9509252

Parameter	% Recovery
Hydrocarbons, Total	SPIKE for sample(s) 01:
	92

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA S
846. 1986.

3. Standard Methods for Examination of Water and Waste Water. APHA-AWWA-WPCF.
17th Edition. 1989.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.

METHOD Method number by which analysis was performed.

ID Initials of the analyst.

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A
(PAGE 1 OF 2 PAGES)

Client:	Laidlaw Environmental	IEA ID:	L114-002-01
Project:	41508	Sample:	41508
Report Date:	07/18/95	Type:	Soil
Collected:	07/10/95	Container:	Glass
Received:	07/10/95		
Analyzed:	07/15/95		
By:	GMT	Dilution Factor:	2.8

Priority Pollutant Compounds

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Benzene	14	BQL
2	Bromodichloromethane	14	BQL
3	Bromoform	14	BQL
4	Bromomethane	28	BQL
5	Carbon tetrachloride	14	BQL
6	Chlorobenzene	14	BQL
7	Chloroethane	28	BQL
8	2-Chloroethylvinyl ether	14	BQL
9	Chloroform	14	BQL
10	Chloromethane	28	BQL
11	Dibromochloromethane	14	BQL
12	1,2-Dichlorobenzene	14	BQL
13	1,3-Dichlorobenzene	14	BQL
14	1,4-Dichlorobenzene	14	BQL
15	1,1-Dichloroethane	14	BQL
16	1,2-Dichloroethane	14	BQL
17	1,1-Dichloroethene	14	BQL
18	1,2-Dichloroethene (Total)	14	BQL
19	1,2-Dichloropropane	14	BQL
20	cis-1,3-Dichloropropene	14	BQL
21	trans-1,3-Dichloropropene	14	BQL
22	Ethylbenzene	14	BQL
23	Methylene chloride	14	18B
24	1,1,2,2-Tetrachloroethane	14	BQL
25	Tetrachloroethene	14	BQL
26	Toluene	14	BQL
27	1,1,1-Trichloroethane	14	BQL
28	1,1,2-Trichloroethane	14	BQL
29	Trichloroethene	14	BQL
30	Trichlorofluoromethane	14	BQL
31	Vinyl chloride	28	BQL

Doc# MSF10900.MA

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A
(PAGE 2 OF 2 PAGES)

Client: Laidlaw Environmental
Project: 41508

IEA ID: L114-002-01
Sample: 41508

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
Other TCL Compounds:			
32	Acetone	280	BQL
33	2-Butanone	280	BQL
34	Carbon disulfide	14	BQL
35	1,2-Dibromoethane	14	BQL
36	2-Hexanone	140	BQL
37	Methyl-t-butylether	14	BQL
38	4-Methyl-2-pentanone	140	BQL
39	Styrene	14	BQL
40	Vinyl Acetate	140	BQL
41	Xylenes (Total)	14	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	97 %
Toluene-d8	110 %
Bromofluorobenzene	85 %

Comments:

BQL = Below Quantitation Limit.
PQL = Practical Quantitation Limit.
Dilution factor adjusted for % moisture.
B = Compound in blank

Doc# MSF10900.MA

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A
(PAGE 1 OF 2 PAGES)

Client:		IEA ID:	Method Blank (07/15)
Project:		Sample:	
Report Date:	07/18/95	Type:	Soil
Collected:		Container:	
Received:			
Analyzed:	07/15/95		
By:	GMT	Dilution Factor:	1

Priority Pollutant Compounds

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Benzene	5	BQL
2	Bromodichloromethane	5	BQL
3	Bromoform	5	BQL
4	Bromomethane	10	BQL
5	Carbon tetrachloride	5	BQL
6	Chlorobenzene	5	BQL
7	Chloroethane	10	BQL
8	2-Chloroethylvinyl ether	5	BQL
9	Chloroform	5	BQL
10	Chloromethane	10	BQL
11	Dibromochloromethane	5	BQL
12	1,2-Dichlorobenzene	5	BQL
13	1,3-Dichlorobenzene	5	BQL
14	1,4-Dichlorobenzene	5	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (Total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	Methylene chloride	5	6B
24	1,1,2,2-Tetrachloroethane	5	BQL
25	Tetrachloroethene	5	BQL
26	Toluene	5	BQL
27	1,1,1-Trichloroethane	5	BQL
28	1,1,2-Trichloroethane	5	BQL
29	Trichloroethene	5	BQL
30	Trichlorofluoromethane	5	BQL
31	Vinyl chloride	10	BQL

Doc# MSF10900.MA

IEA
An Aquarion Company

Analysis Report: EPA Method 8240A
(PAGE 2 OF 2 PAGES)

Client:
Project:

IEA ID: Method Blank (07/15)
Sample:

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
Other TCL Compounds:			
32	Acetone	100	BQL
33	2-Butanone	100	BQL
34	Carbon disulfide	5	BQL
35	1,2-Dibromoethane	5	BQL
36	2-Hexanone	50	BQL
37	Methyl-t-butylether	5	BQL
38	4-Methyl-2-pentanone	50	BQL
39	Styrene	5	BQL
40	Vinyl Acetate	50	BQL
41	Xylenes (Total)	5	BQL

Surrogate Standard Recovery:

1,2-Dichloroethane-d4	99 %
Toluene-d8	114 %
Bromofluorobenzene	97 %

Comments:

BQL = Below Quantitation Limit.
PQL = Practical Quantitation Limit.
Dilution factor adjusted for % moisture.
Corresponding Sample: L114-002-01

Doc# MSF10900.MA

IEA
An Aquarion Company

Analysis Report: EPA Method 8270A
(PAGE 1 OF 2 PAGES)

Client:	Laidlaw Environmental	IEA ID:	L114-002-01
Project:	41508	Sample:	41508
Report Date:	07/18/95	Type:	Soil
Collected:	07/10/95	Container:	Glass
Received:	07/10/95		
Extracted:	07/13/95		
Analyzed:	07/14/95		
By:	MEW		

Dilution Factor: 2.8

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
1	Acenaphthene	924	BQL
2	Acenaphthylene	924	BQL
3	Aniline	4620	BQL
4	Anthracene	924	BQL
5	Benzoic acid	4620	BQL
6	Benzo(a)anthracene	924	BQL
7	Benzo(b)fluoranthene	924	BQL
8	Benzo(k)fluoranthene	924	BQL
9	Benzo(g,h,i)perylene	924	BQL
10	Benzo(a)pyrene	924	BQL
11	Benzyl alcohol	1848	BQL
12	bis(2-Chloroethoxy)methane	924	BQL
13	bis(2-Chloroethyl)ether	924	BQL
14	bis(2-Chloroisopropyl)ether	924	BQL
15	bis(2-Ethylhexyl)phthalate	924	BQL
16	4-Bromophenyl phenyl ether	924	BQL
17	Benzyl butyl phthalate	924	BQL
18	4-Chloroaniline	1848	BQL
19	2-Chloronaphthalene	924	BQL
20	4-Chloro-3-methylphenol	1848	BQL
21	2-Chlorophenol	924	BQL
22	4-Chlorophenyl phenyl ether	924	BQL
23	Chrysene	924	BQL
24	Dibenzo(a,h)anthracene	924	BQL
25	Dibenzofuran	924	BQL
26	Di-n-butyl phthalate	924	BQL
27	1,3-Dichlorobenzene	924	BQL
28	1,4-Dichlorobenzene	924	BQL
29	1,2-Dichlorobenzene	924	BQL
30	1,2-Diphenylhydrazine	924	BQL
31	3,3'-Dichlorobenzidine	1848	BQL
32	2,4-Dichlorophenol	924	BQL
33	Diethyl phthalate	924	BQL
34	2,4-Dimethylphenol	924	BQL
35	Dimethyl phthalate	924	BQL
36	2-Methyl-4,6-dinitrophenol	4620	BQL
37	2,4-Dinitrophenol	4620	BQL
38	2,4-Dinitrotoluene	924	BQL

IEA
An Aquarion Company

Analysis Report: EPA Method 8270A
(PAGE 2 OF 2 PAGES)

Client: Laidlaw Environmental
Project: 41508

IEA ID: L114-002-01
Sample: 41508

Number	Compound	PQL ug/kg (dry)	Result ug/kg (dry)
39	2,6-Dinitrotoluene	924	BQL
40	Di-n-octylphthalate	924	BQL
41	Fluoranthene	924	BQL
42	Fluorene	924	BQL
43	Hexachlorobenzene	924	BQL
44	Hexachlorobutadiene	924	BQL
45	Hexachlorocyclopentadiene	924	BQL
46	Hexachloroethane	924	BQL
47	Indeno(1,2,3-cd)pyrene	924	BQL
48	Isophorone	924	BQL
49	2-Methylnaphthalene	924	BQL
50	2-Methylphenol (o-cresol)	924	BQL
51	4-Methylphenol (p-cresol)	924	BQL
52	Naphthalene	924	BQL
53	2-Nitroaniline	4620	BQL
54	3-Nitroaniline	4620	BQL
55	4-Nitroaniline	4620	BQL
56	Nitrobenzene	924	BQL
57	2-Nitrophenol	924	BQL
58	4-Nitrophenol	4620	BQL
59	N-Nitroso-di-n-propylamine	924	BQL
60	N-Nitrosodiphenylamine	924	BQL
61	Pentachlorophenol	4620	BQL
62	Phenanthrene	924	BQL
63	Phenol	924	BQL
64	Pyrene	924	BQL
65	1,2,4-Trichlorobenzene	924	BQL
66	2,4,5-Trichlorophenol	924	BQL
67	2,4,6-Trichlorophenol	924	BQL

Surrogate Standard Recovery:

2-Fluorophenol	48 %
Phenol-d6	52 %
Nitrobenzene-d5	40 %
2-Fluorobiphenyl	48 %
2,4,6-Tribromophenol	78 %
Terphenyl-d14	68 %

Comments:
PQL = Practical quantitation limit.
BQL = Below quantitation limit.

Doc# MSF00200.MA

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

CERTIFICATE OF ANALYSIS

Client: ERM-New England
Address: 205 Portland Street
Boston, MA 02114
Attn: John McTigue
Project Number: 143-40
Site:

Laboratory Job Number: L9508905
Invoice Number: 79086
Date Received: 17-NOV-95
Date Reported: 21-NOV-95
Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9508905-01	C-1	Wayland, MA
L9508905-02	D-1	Wayland, MA

Authorized by: James R. Roth

James R. Roth, PhD - Laboratory Manager

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

Laboratory Sample Number: L9508905-01
C-1
Sample Matrix: SOIL

Date Collected: 17-NOV-95
Date Received : 17-NOV-95
Date Reported : 21-NOV-95

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3 Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	92.	%	0.10	3	2540B		20-Nov	ST
Total Metals				1	3005/3050			
Arsenic, Total	2.9	mg/kg	0.20	1	6010	20-Nov	20-Nov	GF
Barium, Total	20.	mg/kg	2.0	1	6010	20-Nov	20-Nov	GF
Cadmium, Total	ND	mg/kg	0.40	1	6010	20-Nov	20-Nov	GF
Chromium, Total	37.	mg/kg	0.80	1	6010	20-Nov	20-Nov	GF
Lead, Total	4.8	mg/kg	2.0	1	6010	20-Nov	20-Nov	GF
Mercury, Total	ND	mg/kg	0.25	1	7470/7471	18-Nov	20-Nov	DM
Selenium, Total	ND	mg/kg	0.40	1	6010	20-Nov	20-Nov	GF
Silver, Total	ND	mg/kg	0.40	1	6010	20-Nov	20-Nc	
TCLP Extraction				1	1311	20-Nov		
Arsenic, TCLP	ND	mg/l	1.0	1	6010	21-Nov	21-Nov	GF
Barium, TCLP	ND	mg/l	0.50	1	6010	21-Nov	21-Nov	GF
Cadmium, TCLP	ND	mg/l	0.10	1	6010	21-Nov	21-Nov	GF
Chromium, TCLP	ND	mg/l	0.20	1	6010	21-Nov	21-Nov	GF
Lead, TCLP	ND	mg/l	0.50	1	6010	21-Nov	21-Nov	GF
Mercury, TCLP	ND	mg/l	0.005	1	7470/7471	21-Nov	21-Nov	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010	21-Nov	21-Nov	GF
Silver, TCLP	ND	mg/l	0.10	1	6010	21-Nov	21-Nov	GF
Polychlorinated Biphenyls				1	8080	20-Nov	21-Nov	DB
Arochlor 1221	ND	ug/kg	250					
Arochlor 1232	ND	ug/kg	250					
Arochlor 1242/PCB 1016	ND	ug/kg	250					
Arochlor 1248	ND	ug/kg	250					
Arochlor 1254	ND	ug/kg	250					
Arochlor 1260	ND	ug/kg	250					
Arochlor 1262	ND	ug/kg	250					
Arochlor 1268	ND	ug/kg	250					

Comments: Complete list of References and Glossary of Terms found in Addendum I

boratory Sample Number: L9508905-01
C-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Polychlorinated Biphenyls continued				1	8080	20-Nov	21-Nov	DB
SURROGATE RECOVERY								
2,4,5,6-Tetrachloro-m-xylene	96.0	%						
Decachlorobiphenyl	98.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA 086 NH 198958-A CT PH-0574 NY 11148 NC 320 SC 88006 RI A65

Laboratory Sample Number: L9508905-02
D-1
Sample Matrix: SOIL

Date Collected: 17-NOV-95
Date Received : 17-NOV-95
Date Reported : 21-NOV-95

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3 Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	93.	%	0.10	3	2540B		20-Nov	ST
Total Metals				1	3005/3050			
Arsenic, Total	3.3	mg/kg	0.20	1	6010	20-Nov	20-Nov	GF
Barium, Total	19.	mg/kg	2.0	1	6010	20-Nov	20-Nov	GF
Cadmium, Total	ND	mg/kg	0.40	1	6010	20-Nov	20-Nov	GF
Chromium, Total	37.	mg/kg	0.80	1	6010	20-Nov	20-Nov	GF
Lead, Total	5.2	mg/kg	2.0	1	6010	20-Nov	20-Nov	GF
Mercury, Total	ND	mg/kg	0.25	1	7470/7471	18-Nov	20-Nov	DM
Selenium, Total	ND	mg/kg	0.40	1	6010	20-Nov	20-Nov	GF
ilver, Total	ND	mg/kg	0.40	1	6010	20-Nov	20-Nc	F
TCLP Extraction				1	1311	20-Nov		
Arsenic, TCLP	ND	mg/l	1.0	1	6010	21-Nov	21-Nov	GF
Barium, TCLP	ND	mg/l	0.50	1	6010	21-Nov	21-Nov	GF
Cadmium, TCLP	ND	mg/l	0.10	1	6010	21-Nov	21-Nov	GF
Chromium, TCLP	ND	mg/l	0.20	1	6010	21-Nov	21-Nov	GF
Lead, TCLP	ND	mg/l	0.50	1	6010	21-Nov	21-Nov	GF
Mercury, TCLP	ND	mg/l	0.005	1	7470/7471	21-Nov	21-Nov	DM
Selenium, TCLP	ND	mg/l	0.50	1	6010	21-Nov	21-Nov	GF
Silver, TCLP	ND	mg/l	0.10	1	6010	21-Nov	21-Nov	GF
Polychlorinated Biphenyls				1	8080	20-Nov	21-Nov	DB
Arochlor 1221	ND	ug/kg	250					
Arochlor 1232	ND	ug/kg	250					
Arochlor 1242/PCB 1016	ND	ug/kg	250					
Arochlor 1248	ND	ug/kg	250					
Arochlor 1254	ND	ug/kg	250					
Arochlor 1260	ND	ug/kg	250					
Arochlor 1262	ND	ug/kg	250					
Arochlor 1268	ND	ug/kg	250					

Comments: Complete list of References and Glossary of Terms found in Addendum I

boratory Sample Number: L9508905-02
D-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Polychlorinated Biphenyls continued				1	8080	20-Nov	21-Nov	DB
SURROGATE RECOVERY								
2,4,5,6-Tetrachloro-m-xylene	90.0	%						
Decachlorobiphenyl	89.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L9508905

Parameter	Value 1	Value 2	RPD	Units
Total Metals	DUPLICATE for sample(s) 01-02			
Mercury, Total	ND	ND	NC	mg/kg
Total Metals	DUPLICATE for sample(s) 01-02			
Arsenic, Total	2.9	2.9	0	mg/kg
Barium, Total	20.	19.	3	mg/kg
Cadmium, Total	ND	ND	NC	mg/kg
Chromium, Total	37.	42.	12	mg/kg
Lead, Total	4.8	5.1	7	mg/kg
Selenium, Total	ND	ND	NC	mg/kg
Silver, Total	ND	ND	NC	mg/kg
TCLP Extraction	DUPLICATE for sample(s) 01-02			
Arsenic, TCLP	ND	ND	NC	mg/l
Barium, TCLP	ND	ND	NC	mg/l
Cadmium, TCLP	ND	ND	NC	mg/l
Chromium, TCLP	ND	ND	NC	mg/l
Lead, TCLP	ND	ND	NC	mg/l
Selenium, TCLP	ND	ND	NC	mg/l
Silver, TCLP	ND	ND	NC	mg/l
TCLP Extraction	DUPLICATE for sample(s) 01-02			
Mercury, TCLP	ND	ND	NC	mg/l

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L9508905

Parameter	% Recovery
Total Metals	SPIKE for sample(s) 01-02
Mercury, Total	95
Total Metals	SPIKE for sample(s) 01-02
Arsenic, Total	69
Barium, Total	94
Cadmium, Total	100
Chromium, Total	61
Lead, Total	94
TCLP Extraction	SPIKE for sample(s) 01-02
Arsenic, TCLP	94
Barium, TCLP	94
Cadmium, TCLP	96
Chromium, TCLP	101
Lead, TCLP	92
Selenium, TCLP	101
Silver, TCLP	90
LP Extraction	SPIKE for sample(s) 01-02
Mercury, TCLP	90

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. 1986.

3. Standard Methods for Examination of Water and Waste Water. APHA-AWWA-WPCF. 17th Edition. 1989.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.

METHOD Method number by which analysis was performed.

D Initials of the analyst.

ALPHA
Analytical Laboratories, Inc.

Eight Walkup Drive
Westborough, MA 01581-1019
508-898-9220 FAX 508-898-9193

CHAIN OF CUSTODY RECORD and ANALYSIS REQUEST RECORD

No. 36563
Sheet ____ of ____

Company Name:	Project Number:	Project Name / Location:	Date Received in Lab:	Date Due:
ERM	P.O. Number:	Wayland	11/17	Rush 11/21
Company Address:	**Phone Number:**	**Project Manager:**	**Alpha Job Number: (Lab use only)**	
Portland St Bost	617 721 9228 FAX No.:	JMT.	9508905	

Container Codes: P = Plastic V = Vial C = Cube G = Glass A = Amber Glass B = Bacteria Container O = Other

MATRIX / SOURCE CODES: MW = Monitoring Well, RO = Runoff, O = Outfall, W = Well, L F = Landfill, L = Lake/Pond/Ocean, I = Influent, E = Effluent, DW = Drinking Water, R = River Stream, S = Soil, SG = Sludge, B = Bottom Sediment, X1 = Other, X2 = Other

ALPHA Lab# (Lab Use Only)	Sample I.D.	Containers (number/type)	Matrix / Source	Method Preserve. (number of containers): Unpres.	Ice	Nitric	Sulfuric	HCl	Other	Solubles - F.F.	Sampling Date	Sampling Time	Analysis Requested
8905.1	C-1	3 G	S	3							11/17	9:10	PCB 9090 + RCRA 8
.2	D-1	3 G	S	3							↓	↓	TCLP RCRA 8 ~~Total Metals~~ TO
													composite all three
													Jars prior to
													analysis.
													due Tues

Sampler's Signature	Affiliation	Date	Time
	ERM	11/17	9:10

ADDITIONAL COMMENTS:

NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1			11/17	12:45
2			11/17	1740
3				
4				

RAYTHEON

10-0219 (6/78)

This Memorandum
Short Form

is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

B/L NO. 389948

NAME OF CARRIER: Charlton Welding

CARRIER'S NO.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

RAYTHEON COMPANY

FRT. PAY. ACCT. NO.

AT 430 Boston Post Rd Wayland MA 01778

DATE 12/18/95

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CONSIGNED TO (On Collect on Delivery shipments, the letters "COD" must appear before consignee's name, (Mail or street address of consignee—For purposes of notification only): Laidlaw Environmental 221 Sutton St, N. Andover MA

DESTINATION CITY: Charlton | STATE: MA | COUNTY: Middlesex

DELIVERY ADDRESS ★ (★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.): 130 Sturbridge Road, Charlton, MA 01508 | ROUTE | ZIP

DELIVERING CARRIER: Charlton Welding | CAR OR VEHICLE INITIALS: LM-B | NO.: 32849

C. O..D. CHARGE TO BE PAID BY: ☐ SHIPPER ☒ CONSIGNEE

COLLECT ON DELIVERY $ | REMIT TO: Laidlaw Environmental | STREET: 221 Sutton St | CITY: N. Andover | STATE: MA

No Packages	✪ H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1		25 yards of rubble Material (soil)	≈ 43 tons		

✪ Mark with "X" to designate Hazardous Material as defined in the Department of Transportation Regulations Governing Transportation of Hazardous materials.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all lawful charges.

RAYTHEON COMPANY
† (Signature of Consignor)

If charges are to be prepaid, write or stamp here, "To be Prepaid."

☐ PREPAID ☐ CO

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

SHIPPER'S NO.

Charges Advanced.
$

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

† Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

3

† "The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Uniform Freight Classification."

SHIPPER: RAYTHEON COMPANY | PER | CARRIER'S AGENT | PER | DATE 12/19/95

B/L NO. 389948

Permanent post-office address of shipper: 528 Boston Post Rd, Sudbury, MA 01776 M/S 4-2-236 Environmental Quality

SHIPPING FILE COPY

RAYTHEON

10-0219 (6/78)

This Memorandum
Short Form

is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

B/L NO. 389947

NAME OF CARRIER: Charlton Welding

CARRIER'S NO.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

RAYTHEON COMPANY | FRT. PAY. ACCT. NO. | AT 430 Boston Post Rd Wayland, MA 01778

DATE 12/12/75

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CONSIGNED TO: Laidlaw Environmental, 221 Sutton St. N. Andover, MA
(On Collect on Delivery shipments, the letters "COD" must appear before consignee's name. Mail or street address of consignee—For purposes of notification only)

DESTINATION CITY: Charlton | STATE: MA | COUNTY: ~~S~~ Middlese

DELIVERY ADDRESS ★: 130 Sturbridge Road, Charlton, MA 01508
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.) | ROUTE | ZIP

DELIVERING CARRIER: Charlton Welding | CAR OR VEHICLE INITIALS: LMB | NO.: 32649

C. O. D. CHARGE TO BE PAID BY: ☐ SHIPPER ☒ CONSIGNEE

COLLECT ON DELIVERY $: | REMIT TO: Laidlaw Environmental | STREET: 221 Sutton St | CITY: N. Andover | STATE: MA

No. Packages	HM	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1		25 yards of rubble material (soil)	≈43 tons		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all lawful charges.

RAYTHEON COMPANY
†(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "To be Prepaid."

☐ PREPAID ☐ COLLECT

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

✪ Mark with "X" to designate Hazardous Material as defined in the Department of Transportation Regulations Governing Transportation of Hazardous materials.

SHIPPER'S NO.

Charges Advanced: $

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

"The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Uniform Freight Classification."

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

3

SHIPPER: RAYTHEON COMPANY | PER: X John R D'Agosta | CARRIER'S AGENT | PER | DATE: 12-15-75

B/L NO. 389947 | Permanent post-office address of shipper: 528 Boston Post Rd, Sudbury 01776

Environmental Quality M/C 11-7-763

SHIPPING FILE COPY

RAYTHEON

10-0219 (6/78)

This Memorandum
Short Form

is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

B/L NO. 389945

CARRIER'S NO.

NAME OF CARRIER: Charlton Welding

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

RAYTHEON COMPANY

FRT. PAY. ACCT. NO.

AT 450 Boston Post Rd Wayland MA 01778

DATE 2/19/79

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CONSIGNED TO: Laidlaw Environmental, 221 Sutton 2nd, N Andover MA

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name.

(Mail or street address of consignee—For purposes of notification only.)

DESTINATION CITY: Charlton | STATE: MA | COUNTY: Middlesex

DELIVERY ADDRESS ★: 130 Stubridge Road, Charlton, MA 01508

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

ROUTE | ZIP

DELIVERING CARRIER: Charlton Welding | CAR OR VEHICLE INITIALS: LM-404 | NO. EBS-716

C. O. D. CHARGE TO BE PAID BY: ☐ SHIPPER ☒ CONSIGNEE

COLLECT ON DELIVERY $ | REMIT TO: Laidlaw Environmental | STREET 221 Sutton 2nd | CITY N Andover | STATE MA

No. Packages	✪ HM	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1		25 Yards of Rubble Material (Load)	45 tons		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all lawful charges.

RAYTHEON COMPANY
†(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "To be Prepaid."

☐ PREPAID ☐ COLLECT

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

✪ Mark with "X" to designate Hazardous Material as defined in the Department of Transportation Regulations Governing Transportation of Hazardous materials.

SHIPPER'S NO.

Charges Advanced
$

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

† "The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Uniform Freight Classification."

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

3

SHIPPER: RAYTHEON COMPANY | PER X John B Dwyer | CARRIER'S AGENT | PER | DATE

B/L NO. 389945 | Permanent post-office address of shipper: 528 Boston Post Road ENVIRONMENTAL SERVICES

SHIPPING FILE COPY

48-14-1 (5/94)—71

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. MAD 0 0 0 6 8 5 5 4 0 Manifest Document No. 0 0 7 0 6

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: Raytheon Electronic Systems Attn: Grace Hwang M/s 4-2-263, 528 Boston Post Road, Sudbury MA 01776

4. Generator's Phone (508) 440-2729

A. State Manifest Document No. NY B 739374 3

B. Generator's ID: 430 Boston Post, Wayland, MA 01778-1024

5. Transporter 1 (Company Name): Dart Trucking

6. US EPA ID Number: OHD 0 0 9 8 6 5 8 2 5

C. State Transporter's ID: [illegible]

D. Transporter's Phone (216) 633-9041

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: CWM Chemical Services, 1550 Balmer Road, Model City, NY 14107

10. US EPA ID Number: N Y D 0 4 9 8 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone (716) 754-8231

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. 9 Polychlorinated Biphenyls UN2315 PGII (MA02, PCB1)	1	DT	est 1500	K	MA02, PCB1
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above

a. AR0445KDC (DV-06)

K. Handling Codes for Wastes Listed Above

a. L

15. Special Handling Instructions and Additional Information

9144126082

G.D.S. 12/18/95 ERG# 31 Service Request # 275237

Emergency Contact: Laidlaw, David Danis 508-683-1002 ext. 5364

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 and state laws and 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 generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Grace H. Hwang   Signature: Grace Hwang   Date: 01 18 9

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name: JOHN LAROCHELLE   Signature: [signature]   Date: 01 19 9

18. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name: Signature:

19. Discrepancy Indication Space

T ... 1 905RK

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

Printed/Typed Name: Eileen Carter   Signature: Eileen Carter

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

COPY 5—Generator—mailed by TSD facility

...NOTIFICATION AND CERTIFICATION FORM

...Raytheon Co 430 Boston Post Rd. Wayland, MA.

...ite Number: A R 0 4 4 1 5

Manifest Doc. No.: 0 0 0 0 8 [illegible]

State Manifest No.: NYB73[illegible] 93743

1. ...his waste a non-wastewater or a wastewater? (See 40 CFR 268.2) Check ONE: ☒ Non-Wastewater ☐ Wastewater

2. ...his waste is subject to any California List restrictions enter the letter from below (either A, B1, or B2) next to each restriction that is applicable: ______HOCs. __✓__PCBs. ______Acid. ______Metals. ______Cyanides.

3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subdivision, or check NONE if the waste code has no subdivision. Also check which treatment standards apply. Spent solvent and California List treatment standards are listed on the back of this form. If F039, multi-source leachate applies, those standards must be attached by the generator.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBDIVISION — ENTER THE SUBDIVISION DESCRIPTION IF NOT APPLICABLE SIMPLY CHECK NONE: DESCRIPTION	NONE	6. APPLICABLE TREATMENT STANDARDS — 6.a - PERFORMANCE-BASED: CHECK AS APPLICABLE: 268.41(a)	268.43(a)	6.b - SPECIFIED TECHNOLOGY: IF APPLICABLE ENTER THE 40 CFR 268.42-TABLE 1 TREATMENT CODE(S): 268.42(a)	7. HOW MUST THE WASTE BE MANAGED? ENTER THE LETTER FROM BELOW
1	PCB1		✓				E
2	MAD2		✓				E
3							
4							
5							
6							
7							
8							
9							
10							

...list additional USEPA waste code(s) and subcategory(s), use the supplemental sheet provided (CWM-2001-B) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 7 above, enter the letter (A, B1, B2, B3, C, or D) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, or D, you are making the appropriate certification as provided below.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION - FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 7 above

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above. "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false certification, including the possibility of a fine and imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

...hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

[illegible signature]

Area 2.23 [DW-06]

PCB SHIPMENT WORKSHEET

Generator Name: Raytheon Co. EPA ID# MAD990685 55

Address: 430 Boston Post Rd. P.O.#

Wayland, MA 01778 Manifest# NYB 7393743

Contact: Grace Hwang

Phone: 508-440-2729

PCB INFORMATION

Drum #	Weight(kg)*	Out of Service Date	Contents	Disposal Method
AR0445 MDC		12/18/95	PCB Soil/Concrete	Landfill

ADDITIONAL INFORMATION FOR CAPACITORS/TRANSFORMERS

Drum #	Unit Dimension	Leaking? Yes/No	Manufacturers Serial#	Pallet or Drum?

* 30 yard dump trailer

LAIDLAW ENVIRONMENTAL SERVICES

Service Center

DW-06

August 23, 1995

Ms. Grace Hwang
Raytheon Co.
450 New Boston Road
Wayland, MA 01778

RE: Derived Source Ruling for PCB's at Wayland, MA Facility

Dear Ms. Hwang:

In order for Laidlaw Environmental Services (North East), Inc. (LES) to characterize the waste profiles for material manually removed from an outdoor sump at Raytheon, Wayland, MA., we need a letter that states if PCB's were used or are in use at your facility in excess of 50 ppm. If there are no sources of PCB's in excess of 50 ppm we need that clarified too.

The three (3) drums of sludge removed from the sump have PCB concentrations of 9.7 ppm.

Please review your records and notify us in writing of your findings. We will then attach your letter to the profile for waste characterization. Oil and grease are the only other contaminants and if the waste does not fit the TSCA classification, it will be shipped through our facility as State Regulated Oil Waste. Please call me if you have any questions at (508) 683-1002 ext. 5365.

Sincerely,

Mark Thompson
Senior Project Manager

cc: Jim McCarthy, TSCA Coordinator

MT/cg PC- z:\thompson\rayt_way.lad

TEL: (508) 440-2729
FAX. (508) 440-2351

GENERATOR NAME Raytheon Co. Wayland MA Job # 4157-8

WASTE DESCRIPTION Dry Well Sludge

PLEASE ANSWER "YES" OR "NO"

1. IF THIS IS A SPILL, WAS THE SPILL INTENTIONAL? NO

2. IS THE SOURCE OF THE PCB CONTAMINATION GREATER THAN OR EQUAL TO 50 PPM? NO

3. HAS THE WASTE BEEN DILUTED IN ANY WAY? YES
(THIS INCLUDES SOLID OR LIQUID DILUTION.)

Dilution most likely occured due to rinsewater contribution from processes that also fed into this dry well.

IF YOU HAVE ANSWERED "NO" TO ALL OF THE ABOVE QUESTIONS, ATTACH A CERTIFIED LAB ANALYSIS, ALONG WITH THIS FORM, TO THE WASTE IDENTIFICATION FORM FOR YOUR WASTE WITH LESS THAN 50 PPM PCB'S AND SUBMIT TO TECHNICAL SERVICE FOR APPROVAL.

AUTHORIZED SIGNATURE Grace Hwang

PRINT NAME Grace Hwang

DATE 8/23/95

P.E. BURKE MOVING & STORAGE CORP.

AGENT FOR UNITED VAN LINES

124 PROSPECT ST. • WALTHAM, MA 02154 • Ph. (617) 894-1900

00082

DATE _____

CUSTOMER'S NAME _____ B/L NO. _____

ORIGIN _____

DESTINATION _____

CARRIER _____

DATE 1-12-96 TIME 4:09PM 65440 lb GROSS

lb TARE – DRIVER ON _____ OFF /

lb NET

Dump Truck

DW-06

223

DRIVER John LaRochelle

WEIGHER Michael Amaro

TRUCK NO. 207 900

TRAILER NO. 94T

FEE 5

WEIGHED ON A FAIRBANKS SCALE

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N.Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

RAYTHEON CO
ATTN: MANIFEST SECTION
MAD990685554
528 BOSTON POST RD
SUDBURY MA 01776

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from RAYTHEON CO on 01/19/96 as described on Hazardous Waste Manifest number NYB7393743 Sequence number 01. CWM Chemical Services, Inc., hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: AR0445
CWM Tracking ID: 8144260201
CWM Unit #: 1*0
Disposal Date: 01/19/96

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.

Kathleen D. Morrison

KATHLEEN D. MORRISON
RECORDS DEPT. SUPERVISOR
Certificate # 54323
01/22/96