DURACELL INC.
NORTH TARRYTOWN, NEW YORK

BUILDING CLEANING
DOCUMENTATION REPORT

PROJECT #425-1
DECEMBER 1988

EDER ASSOCIATES
CONSULTING ENGINEERS, P.C.
85 Forest Avenue
Locust Valley, New York 11560

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EXECUTIVE SUMMARY

Duracell Inc. cleaned its former battery manufacturing facility located at 60 Elm Street, North Tarrytown, New York in compliance with New York State Department of Environmental Conservation (DEC) Order on Consent W3-0160-8771. The cleaning program was implemented between July and November, 1988 by Haztech, Inc., Bordentown, New Jersey.

The purpose of the building cleaning project was to substantially reduce the quantity of lead and mercury remaining on the structure so as to allow subsequent salvage of equipment and demolition and disposal of the structure in a typical construction and demolition debris landfill. The scope of the work included: removing or cleaning ductwork, air handling units, air pollution control and other mechanical equipment; vacuuming the roof; removing attic insulation; cleaning floor trenches and pits inside the building; and cleaning building surfaces with high concentrations of metal residues. Wastes resulting from the work were disposed to permitted hazardous waste disposal facilities.

Eder Associates Consulting Engineers, P.C. performed the documentation sampling in accordance with "Quality Assurance Project Plan for Closing the Duracell Inc. Facility, January 1988", which is Attachment E of Appendix B to the Consent Order. The project achieved a 99.7 percent reduction in lead and a reduction in mercury exceeding 99.99 percent. The estimated quantity of metals remaining in the building is 0.8 pounds of lead and 0.2 pounds of mercury.

Demolition of the building will result in approximately 6,000 tons of demolition debris and the presence of metal residues is insignificant. Demolition debris should be acceptable as fill in on-site excavations and disposal to a construction and demolition debris landfill.

I. INTRODUCTION

Background

Order on Consent W3-0160-8771 requires that Duracell Inc. perform the following work as part of the closure program at its former battery manufacturing facility at 60 Elm Street, North Tarrytown, New York.

- Plant Building Cleaning;
- Hazardous Waste Storage Facility Closure;
- Plant Building Demolition and Disposal to a Construction and Demolition Debris Landfill;
- On-site Soil Removal; and
- Surface Soil Removal From Adjacent Properties.

This report describes the plant building cleaning performed between July and November, 1988. Cleaning of the Hazardous Waste Storage Facility was performed as part of the work. Certification of the Hazardous Waste Storage Facility is presented in the Certification Report, November 1988. The purpose of the building cleaning project was to substantially reduce the quantity of lead and mercury remaining on the structure so as to allow the subsequent salvage of equipment and the demolition and disposal of the structure in a typical construction and demolition debris landfill.

Building Description

The plant building, prior to cleaning, is shown in Drawing No. 1.

- Removing all interior and exterior ductwork, fans, and air handling units, and baghouse No. 4;

- Cleaning air pollution control and other mechanical equipment and storage tanks located in the areaway at the southeast end of the building;

- Vacuuming the roof above Area 10 to remove gravel;

- Removing attic insulation;

- Cleaning floor trenches, manholes and pits inside the building;

- Cleaning all surfaces of Area 9, Area 14 (below grade boiler room), Area 15 (including the Hazardous Waste Storage facility), and Room 58 (scrubber tank room).

- Cleaning all floors.

Operations for cleaning building surfaces are presented in Table 1. Special operations include the removal of duct and piping containing asbestos in Area 9, cleaning the elevator shaft, and removing attic insulation from Area 13. The scope of the work did not include Area 4, which had been previously cleaned, or the area outside Shed Room 59, where no activities resulting in the release of lead and mercury were performed.

Modifications to the Contract documents agreed to by Haztech and Duracell included:

1. Large air handling units, AHU-1 in Area 3, AHU-4 in Area 2, and AHU-10 in Area 12, were cleaned in placed and left on-site;

2. All fluorescent light fixtures were removed and disposed with other wastes resulting from the work;

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TABLE 1

CLEANING OPERATIONS

Operation	Area 1	Area 2	Area 3	Area 5	Area 6	Area 7 Rm 28	Area 7 Rm 40/46A	Area 8	Area 9	Area 10	Area 11	Area 12	Area 13	Area 14	Area 15	Rm 16	Rm 34	Rm 58
1. Clean AHU's	X	X	X			X	X					X						
2. Clean Trenches, Manholes & Pits			X			X				X						X		
3. Vacuum Floors	X	X	X	X	X	X	X	X	X	X	X	X	X	X	P	X	X	X
4. Pressure Wash Surfaces									X					X	P			X
5. Scrub Floors	X	X	X	X	X	X	X	X		X	X	X			P	X		
6. Special Operations									X	X			X					
												1.			2.	3.		4.

Comments

AHU: Air Handling Unit
P : Partial
Comment 1.: Includes stairwells to the first floor and boiler room levels.
Comment 2.: Vacuum and power wash all interior surfaces; scrub concrete pad.
Comment 3.: Do not scrub platform 16A.
Comment 4.: Wash storage tank.

3. All wastes resulting from the work were disposed as hazardous wastes; and

4. The cleaning of manholes in Areas 3 and 7 were deleted from the scope of the work. These manholes do not have concrete floors and any contaminated soil will be remediated during the on-site soil remediation work task.

Waste Generation

Wastes generated during the building cleaning included 462 cubic yards of duct work, floor tailings, fiberglass insulation, roof gravel, building fixtures, mechanical equipment and trash. These materials were collected in 18 roll-off containers which were securely covered and transported by Freehold Cartage Inc. NJDO 54126164 to the Chemical Waste Management, Model City, New York, hazardous waste disposal facility NYDO 49836679. Other wastes generated during the building cleaning included 32 55-gallon drums of residues from air pollution control equipment and oily soil, and 4800 gallons of wastewater which was removed by bulk tanker truck. These materials were removed by Clean Harbors, Kingston, Massachussets MAD039322250. Drummed wastes were shipped to Clean Harbor's of Braintree, Inc., Braintree, Massachussets MAD053452637 and bulk wastes were shipped to SCA Chemical Services, Newark, New Jersey NJDO 89216790. Copies of the Generators Waste Material Profile Sheets and Hazardous Waste Manifests are presented in Appendix A.

II. DOCUMENTATION SAMPLING

Procedures

Eder Associates Consulting Engineers, P.C. performed the documentation sampling in accordance with "Quality Assurance Project Plan for Closing the Duracell Inc. Facility, January 1988", which is Attachment E of Appendix B to the Consent Order. Cleaned building and equipment surfaces were wipe sampled to determine the residual surface concentrations of lead and mercury. This technique involved wiping a representative number of areas on the surface to be sampled with an absorbent sampling pad. Each sampling area was triangular with six inch orthogonal sides (.125 square feet) and was thoroughly wiped to remove residues. Pads from all sampling areas on the surface being evaluated were placed in one sample container labeled with an indelible pen as follows:

- sample identification number
- number of wipes
- total area wiped
- date
- initials of person collecting the sample

Sample containers were securely closed and placed in shipping overpacks for transportation to the laboratory. Duplicate and blank quality control samples were taken on each sampling day for at least 10 percent of the sample matrix. Duplicate samples were taken by wiping adjacent areas on the surfaces being sampled.

Kimwipe tissues were used as the sampling pads. Prior to collecting wipe samples, tissues were wetted with distilled water dispensed from a plastic squeeze bottle. Each sampling area was wiped with one kimwipe and kimwipes from all areas on the surface being sampled were placed in one plastic bag. Blanks consisted of six

kimwipes wetted with distilled water with an equivalent wipe area of 0.75 square feet.

Cleaned building surfaces which were sampled included floors, surfaces in Areas 9, 14 ,15 and Room 58 which were pressure washed, and trenches and pits. Sampling is summarized in Tables 2 and 3. The location of each wipe sample on floors, walls and ceilings is shown on Drawing No. 2, which shows building conditions after cleaning. Wall wipe samples were taken approximately equidistant between the floor and ceiling. Ceiling wipe samples were taken directly above floor wipe samples. The drawing does not show the location of wipe samples taken in floor trenches and pits. Wipe samples in floor trenches were taken at nine equally spaced locations along the centerline of each trench floor. Wipe samples in pits were taken at the center of the floor, and three wipe samples on the centerline of three walls halfway between the floor and top.

Cleaned equipment surfaces which were sampled include the interior and exterior surfaces of air pollution control equipment, the exterior surfaces of boiler room equipment and the interior surfaces of air handling units. Sampling is summarized in Table 4. All mechanical equipment located in the areaway at the southeast corner of the plant building was cleaned. The equipment includes air pollution control devices consisting of two cyclones, three baghouses and appurtenances. Both the interior and exterior surfaces of the cyclones and baghouses were sampled. The samples should be representative of the surface metal concentrations remaining on all other equipment in the areaway. One sample was obtained from the interior surfaces of the cyclones by wipe sampling at three different locations in each cyclone. One sample was obtained from the exterior surfaces of the cyclones by wipe sampling at three randomly selected locations on each cyclone. The baghouses were similarly sampled. All exposed surfaces in the boiler room (Area 14) were pressure washed. One sample of the exterior surfaces of the boiler room equipment was obtained by wipe sampling ten randomly selected locations. One sample

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TABLE 2

BUILDING SURFACE SAMPLING

Location	Surface	Number of Wipes
Area 1	Floor	6
Area 2	Floor	6
Area 3	Floor	10
Area 5	Floor	4
Area 6	Floor	4
Area 7	Floor	6
Area 8	Floor	6
Area 9	Floor	6
	Wall	9
	Ceiling	6
Area 10	Floor	10*
Area 11	Floor	6
Area 12	Floor	8
Area 13	Floor	8
Area 14	Floor	6*
	Wall	6
	Ceiling	6
Area 15		
Hazardous Waste	Floor	6*
Storage Facility	Wall	6
	Ceiling	4
Room 52	Floor	4
	Wall	4
	Ceiling	4

NOTE: * duplicate samples

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TABLE 3

MISCELLANEOUS BUILDING SURFACE SAMPLING

Location	Surface	Number of Wipes
Room 34	Floor	4
Room 58	Floor	4
	Wall	6
	Ceiling	6
East Floor Trench	Floor	9*
West Floor Trench	Floor	5
Pit No. 1	Floor/Wall	4
Pit No. 2	Floor/Wall	4

NOTE: * duplicate samples

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NORTH TARRYTOWN, NEW YORK

TABLE 4

EQUIPMENT SURFACE SAMPLING

Location	Surface	Number of Wipes
Cyclones	Interior	6
	Exterior	6
Baghouses	Interior	9*
	Exterior	9
Area 14 (Boiler Room)	Exterior	10
Air Handling Units	Interior	6

NOTE: * duplicate samples

of the three air handling units which were cleaned in place was obtained by wipe sampling at two randomly selected locations in the air passages of each unit.

Samples were shipped to ESARCO Inc., Irvington, New York on the day of collection. Samples from the Hazardous Waste Storage Facility in Area 15 were shipped to C.T. Male Associates, Latham, New York, by overnight courier. Chain-of-custody records were filled out and accompanied every sample shipment to establish the documentation necessary to trace sample possession from the time of collection,

Samples were analyzed for lead and mercury content in accordance with the latest edition of "Test Methods for Evaluating Solid Wastes", EPA SW-846:

Parameter	Method	Holding Time
Lead	3050: Acid digestion of sediments, sludges & soils 7420: Atomic adsorption, direct aspiration	6 months
Mercury	7471: Manual cold vapor technique	28 days

Total metal content of all kimwipes in a sample bag was determined and divided by the corresponding total wipe area to determine the areal metal concentration on the surface which has been sampled.

Results

Chain of custody records, laboratory analysis reports and calculations of surface metal concentrations are presented in Appendix B. Surface metal concentrations after cleaning are summarized in Tables 5, 6 and 7.

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TABLE 5

BUILDING SURFACE METAL CONCENTRATIONS

Location	Surface	Lead	Mercury
Area 1	Floor	0.25	0.025
Area 2	Floor	0.12	0.0012
Area 3	Floor	1.5	0.32
Area 5	Floor	12.	1.3
Area 6	Floor	24.	5.6
Area 7	Floor	0.72	0.19
Area 8	Floor	2.4	1.5
Area 9	Floor	1.6	0.012
	Wall	0.034	0.013
	Ceiling	BDL	0.021
Area 10	Floor	1.5	0.79
Area 11	Floor	0.075	0.0019
Area 12	Floor	0.11	0.0018
Area 13	Floor	2.0	1.6
Area 14	Floor	3.6	0.13
	Wall	0.80	0.0004
	Ceiling	0.32	0.012
Area 15*			
Hazardous Waste	Floor	0.26	0.0017
Storage Facility	Wall	0.051	0.0076
	Ceiling	BDL	0.0036
Room 52	Floor	1.8	0.48
	Wall	0.12	0.042
	Ceiling	BDL	BDL

NOTE: All units are mg/SF
BDL - Below Detectable Limit
* - Except Room 52 see Table 2

#4495C

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TABLE 6

MISCELLANEOUS BUILDING SURFACE METAL CONCENTRATIONS

Location	Surface	Lead	Mercury
Room 34	Floor	0.86	0.05
Room 58	Floor	0.60	0.12
	Wall	0.25	0.081
	Ceiling	BDL	0.012
East Floor Trench	Floor	7.1	7.3
West Floor Trench	Floor	6.1	0.22
Pit No. 1	Floor/Wall	4.4	3.2
Pit No. 2	Floor/Wall	3.0	0.70

NOTE: All units are mg/SF
BDL - Below Detectable Limit

#4813C

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TABLE 7

EQUIPMENT SURFACE METAL CONCENTRATIONS

Location	Surface	Lead	Mercury
Cyclones	Interior	13.	3.5
	Exterior	0.19	0.12
Baghouses	Interior	1.4	1.4
	Exterior	0.12	0.43
Boiler Room Equipment	Exterior	0.23	0.011
Air Handling Units	Interior	0.44	0.21

NOTE: All units are mg/SF

#4495C

III. ANALYSIS OF RESULTS

Building Conditions Prior to Cleaning

Building conditions prior to cleaning were described in the report, "Characteristics of Demolition Debris", July 1987, which is Attachment F of Appendix B of the consent order.

The estimated total quantity of metals in the plant building are summarized in Table 8. Most of the metal residues were in the air pollution control equipment hoppers. Metal residue also remained in liquids, sludges and debris in floor trenches, manholes and pits, gravel on the roof above Area 10 and in attic insulation. Less than one percent of the total quantity of metals remaining in the structure was in residues on building surfaces. Small quantities of metals, which remained inside ductwork and air handling units could not be estimated with accuracy and are not included in the table.

Building Conditions After Cleaning

Table 7 also shows the estimated total quantity of metals remaining in the plant building after cleaning. The project achieved a 99.7 percent reduction in lead and greater than a 99.99 percent reduction in mercury. The estimated quantity of metals remaining in the building is 0.8 pounds of lead and 0.2 pounds of mercury.

The building cleaning project included the removal of hopper residues and cleaning of air pollution control equipment; removal of liquids, sludges and debris and cleaning of floor trenches and pits; vacuuming the roof above Area 10 and removal of attic insulation. These tasks removed most of the metal residues which were in the building. In addition, the removal of ductwork and removal and cleaning of air handling units removed an additional unquantified

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TABLE 8

SUMMARY
BUILDING METAL RESIDUES

Location	Before Cleaning		After Cleaning	
	Lead	Mercury	Lead	Mercury
1. Air Pollution Control Equipment	234.	24,000	--	--
2. Floor Trenches, Manholes & Pits	42.	22.	--	--
3. Roof	8.	15.	--	--
4. Attic Insulation	1.0	0.2	--	--
5. Building Surfaces	1.5	0.6	0.8	0.2
TOTAL	287.	24,038.	0.8	0.2

NOTES: Units are pounds.

amount of metal residues.

The building cleaning project included cleaning building surfaces which had the highest concentrations of metal residue. Calculations of the estimated quantity of metals remaining on the surfaces of the building after cleaning are presented in Appendix C.

Demolition of the building will result in approximately 6,000 tons of demolition debris. The presence of 0.8 pounds of lead and 0.2 pounds of mercury in this debris is insignificant. The demolition debris should be acceptable for use in on-site filling of excavations to be performed during soil remediation. Other demolition debris should be acceptable for disposal to a construction and demolition debris landfill.

APPENDIX A

HAZARDOUS WASTE MANIFESTS

APPENDIX A

TABLE OF CONTENTS

Chemical Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

PLEASE PRINT IN INK OR TYPE (Elite, 12-pitch).

2X DSC

P8-2447

J 14611

Waste Profile Sheet Code

CWM Location of Original: _____ (SHADED AREAS FOR CWM USE ONLY) CWM Sales Rep. #: 418

A. GENERAL INFORMATION

2036029

1. Generator Name: DUPACELL ~~INTERNATIONAL~~ INC 2. Generator USEPA ID: NYD000692913
3. Facility Address: 60 ELM STREET 4. Generator State ID: NYD000692913
NORTH TARRYTOWN
NEW YORK 5. Zip Code: 10591
6. Technical Contact: KENNETH FORREST 7. Title: FACILITIES ENGINEER 8. Phone: (914) 332 - 9193

B. MAIL CHEMICAL WASTE MANAGEMENT, INC. INVOICES TO

1. ☐ Generating Facility (A, above), or
2. Company Name: DUPACELL INC. 3. Phone: (203) 796 - 4410
4. Address: BERKSHIRE INDUSTRIAL PARK
BETHEL CT.
ATTENTION: GIFFORD PERMAN 5. Zip Code: 06801

C.

1. NAME OF WASTE: BUILDING CLEANING WASTES
2. PROCESS GENERATING WASTE: BUILDING CLEANING
3. Is this waste a Dioxin listed waste as defined in 40 CFR 261.31 (e.g., F020, F021, F022, F023, F026, F027, or F028)?
☐ Yes ☒ No If yes, **DO NOT COMPLETE** this form. Contact your Chemical Waste Management, Inc. sales representative for assistance.

D. PHYSICAL CHARACTERISTICS OF WASTE

1. Color:	2. Does the waste have a strong incidental odor?	3. Physical State @ 70°F:	4. Layers:	5. Specific Gravity:	6. Free Liquids:
VARIES	☒ No ☐ Yes If known, describe:	☒ Solid ☐ Semi-Solid ☐ Liquid ☐ Powder Other:	☐ Multilayered ☐ Bi-layered ☒ Single Phased	Range: 0.5 - 1.6	☐ Yes ☒ No Volume: %

7. pH: ☐ ≤ 2 ☐ > 2-4 ☐ 4-7 ☐ 7 ☐ 7-10 ☐ 10- < 12.5 ☐ ≥ 12.5 ☐ Range _____ ☒ NA

8. Liquid Flash Point: ☐ < 73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☐ ≥ 200°F ☒ None ☐ Closed Cup ☐ Open Cup

E. CHEMICAL COMPOSITION

1.	RANGE - MIN.	- MAX.	
DUCTWORK		20	%
FLOOR TAILINGS		30	%
FIBERGLAS INSULATION		5	%
ROOF PEA GRAVEL		15	%
			%
BUILDING FIXTURES AND			%
MECHANICAL EQUIPMENT		10	%
			%
TRASH		20	%
			%
			%
Note: ESTIMATED PERCENT by WEIGHT			%

Please note: The chemical composition total in the maximum column must be greater than or equal to 100%. TOTAL: 100 %

2. Indicate if this waste contains any of the following:

	NONE	or LESS THAN	or ACTUAL
PCB's	☐	☒ < 50 ppm	_____ ppm
Cyanides	☒	☐ < 50 ppm	_____ ppm
Phenolics	☒	☐ < 50 ppm	_____ ppm
Sulfides	☒	☐ < 50 ppm	_____ ppm

F. METALS

Indicate if this waste contains any of the following:
1. ☐ EP TOX/TCLP or 2. ☒ Total

METAL	LESS THAN	or	ACTUAL (Parts Per Million)
Arsenic	☒ < 5	☐ < 500	
Barium	☐ < 100		< 200.
Cadmium	☐ < 1	☒ < 100	
Chromium	☐ < 5		< 50
Lead	☐ < 5	☐ < 500	< 600.
Mercury	☐ < 0.2	☐ < 20	< 500
Selenium	☒ < 1	☐ < 100	
Silver	☐ < 5		< 100.
Chromium-Hex	☐ < 5	☐ < 500	NA
Copper	☐ < 5		NA
Nickel	☐ < 5	☐ < 134	NA
Thallium	☐ < 5	☐ < 130	NA
Zinc	☐ < 5		< 8000.
	☐ <		
	☐ <		
	☐ <		

CWM: 151
mc: E

GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

[ ] - J 14611
Waste Profile Sheet Code

G. OTHER HAZARDOUS CHARACTERISTICS

1. Is this waste a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005)? ☐ Yes ☒ No
2. Does this waste contain greater than 1000 ppm total halogenated organic compounds? ☐ Yes ☒ No
3. Indicate if this waste is any of the following:

☐ RCRA Reactive ☐ Radioactive
☐ Water Reactive ☐ Etiological
☐ Explosive ☐ Pesticide Manufacturing Waste
☐ Shock Sensitive ☐ Other _____
☐ Pyrophoric ☒ None of the above

H. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS or INCINERATION

	LESS THAN or	ACTUAL
Beryllium	☐ < 5000 ppm	_____ ppm
Potassium	☐ < 5000 ppm	_____ ppm
Sodium	☐ < 5000 ppm	_____ ppm
Total Bromine	☐ < 2 %	_____ %
Total Chlorine	☐ < 35 %	_____ %
Total Fluorine	☐ < 1 %	_____ %
Total Sulfur		_____ %

I. OPTIONAL — RECLAMATION, FUELS, OR INCINERATION PARAMETERS Provide if information is available.

Range

1. Heat Value (BTU/lb): _____ - _____ 2. Water: _____ %
3. Viscosity (cps): _____ @ ☐ _____ °F ☐ 100°F ☐ 150°F
4. Ash: _____ % 5. Settleable solids: _____ %
6. Vapor Pressure @ STP (mm/Hg): _____
7. Is this waste a pumpable liquid? ☐ Yes ☐ No
   Type of pump? _____
8. Can this waste be heated to improve flow? ☐ Yes ☐ No
9. Is this waste soluble in water? ☐ Yes ☐ No
10. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? ☐ Yes ☐ No

J. TRANSPORTATION INFORMATION

1. Is this a DOT Hazardous Material? ☒ Yes ☐ No 2. Anticipated ~~Annual~~ Volume/Units: 8500 / CF
3. Proper Shipping Name: RQ, HAZARDOUS WASTE, SOLID, N.O.S. (D006)(D007)(D008)(D00
4. Hazard Class: ORM-E 5. I.D. #: NA 9189
6. Additional Description: (_____)
7. Method of Shipment: ☐ Bulk Liquid ☒ Bulk Solid ☐ Drum (Type/Size): _____ Other: _____
8. CERCLA Reportable Quantity (RQ): ~~NOT APPLICABLE~~ 1 9. RQ Units (lb/kg): ~~NOT APPLICABLE~~ lb
10. USEPA Hazardous Waste? ☒ Yes ☐ No 11. USEPA Hazardous Waste Number(s): D005 D009, D006, D007, D0
12. State Hazardous Waste? ☒ Yes ☐ No 13. State Hazardous Waste Number(s): D005 D009, D006, D007, D0

K. SPECIAL HANDLING INFORMATION

_____

☐ Additional Page(s) Attached

L. GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste material, and all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

1. Kenneth R Forrest
Signature

2. FACILITY ENG.
Title

3. KENNETH R. FORREST
Name (Type or Print)

4. AUG, 11 1988
Date

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

Please print or type. P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-88

Tra. AN IC 10
Cont. #8486
Permit # NYJA-113

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NYD000692913 00008
2. Page 1 of 1
Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address
Duracell U.S.A.
Berkshire Industrial Park Bethel, Ct. 06801
4. Generator's Phone (203) 796-4000

A. State Manifest Document No.: NY A 758083 5
B. Generator's ID: 60 Elm St. N. Terrytown, New York

5. Transporter 1 (Company Name): Freehold Cartage Inc.
6. US EPA ID Number: NJD054126164
C. State Transporter's ID: 558-TSN NJ.
D. Transporter's Phone (201) 462-1001

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
Chemical Waste Management
1550 Balmer Rd.
Model City, NY. 14107
10. US EPA ID Number: NYD049836679
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. Hazardous Waste Solid N.O.S. ORM-E NA-9189	001	CM	00030	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. S,T
b.
c.
d.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work order no. 137100
Profile No. J14611 Emergency contact (Hastech) (609)-298-8705

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 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 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: Ken Forest (Duracell) Signature: [signature] Month Day Year: 10 19 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Dave Page Signature: [signature] Month Day Year: 10 19 88

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

FACILITY

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

NY A 758083 5

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

Trs.# XL 6 1 6 F
Cont.# 8609
Permit # NY JA-113

Please print or type. P.O. Box 12820, Albany, New York 12212 Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Document No.: NYD000692913 | 00007
2. Page 1 of 1 | Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address
Duracell U.S.A.
Berkshire Industrial Park Bethel, Ct. 06801
4. Generator's Phone (203 796-4000

A. State Manifest Document No. NY A 7580817
B. Generator's ID 60 Elm St. N. Terrytown, New York
C. State Transporter's ID XL 6 1 6 F
D. Transporter's Phone (201) 462-1001

5. Transporter 1 (Company Name): Freehold Cartage Inc. | 6. US EPA ID Number: NJD054112616 4
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
Chemical Waste Management
1550 Balmer Rd.
Model City, NY. 14107
10. US EPA ID Number: NYD049836 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	Waste No.
a. Hazardous Waste Solid N.O.S. ORM-E NA-9189	001	CM	00020	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. S.T
b.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work order no. 137099
Profile No. J14611 Emergency contact (Haztech) (609)298-8705

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 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 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: Ken Forest (Duracell) | Signature: Kenneth R Forest | Month Day Year: 10 10 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: TOM BATUCK | Signature: Tom Batuck | Month Day Year: 10 10 88

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

FACILITY

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

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

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

NY A 7580817

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

Cont.# 8735
Permit# NY 3H113

HAZARDOUS WASTE MANIFEST

Please print or type. P.O. Box 12820, Albany, New York 12212 Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NYD000692913 / 000006
2. Page 1 of 1
Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address
Duracell U.S.A.
Berkshire Industrial Park Bethel, Ct. 06801
4. Generator's Phone (203) 796-4000

A. State Manifest Document No. NY A 758080 8
B. Generator's ID 60 Elm St. N. Terrytown, New York
C. State Transporter's ID 14 8595
D. Transporter's Phone (201) 462-1001

5. Transporter 1 (Company Name): Freehold Cartage Inc.
6. US EPA ID Number: NJD054126164
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
Chemical Waste Management
1550 Balmer Rd.
Model City, NY. 14107
10. US EPA ID Number: NYD049836679
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	K. HW No.
a. Hazardous Waste Solid N.O.S. ORM-E NA-9189 D007,D008,D009	001	CM	00020	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. S,T
b.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work order no. 137098
Profile No. J14611 Emergency contact (Hastech) (609)-298-8705

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.
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Printed/Typed Name: Ken Forest (Duracell) Signature: Kenneth R Forest Mo. 10 Day 18 Year 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: William LAURIE Signature: William Laurie Mo. 10 Day 21 Year 88

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name Signature Mo. Day Year

FACILITY

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 Mo. Day Year

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

In case of emergency or spill immediately call the National Response Center (uuu) 424-8802 and the ..... Dept. of ..... ortation

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

Tk.# [illegible] Cont.# 3747 PERMIT # NY JA 113

HAZARDOUS WASTE MANIFEST

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

Please print or type. Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. / Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal Law.
	NYD006921913 / 000005	1 1	

GENERATOR

3. Generator's Name and Mailing Address
Duracell U.S.A.
Berkshire Industrial Park Bethel Ct. 06801

4. Generator's Phone (203 796-4000

A. State Manifest Document No. NY A 758079 9

B. Generator's ID 60 Elm St. N. Terrytown, New York

5. Transporter 1 (Company Name) | 6. US EPA ID Number
Freehold Cartage Inc. | NJD054126164

C. State Transporter's ID TW 8595

D. Transporter's Phone (201 462-1001

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
Chemical Waste Management
1550 Balmer Rd.
Model City, New York 14107

10. US EPA ID Number NYD049836679

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	Waste No.
a. Hazardous Waste Solid N.O.S. ORM-E NA9189 D007, D008, D009	001	CM	00020	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a S T
b

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work order no. 137097
Profile No. J14611 Emergency contact (Haztech) (609) 298-8705

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.

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Printed/Typed Name: Ken Forest (duracell) | Signature: Kenneth R. Forest | Mo. 10 Day 10 Year 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: William Laurie | Signature: William Laurie | Mo. 10 Day 10 Year 88

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name | Signature | Mo. Day Year

FACILITY

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 | Mo. Day Year

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

NY A 758079 9

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

Tk.# XXXXXX
Cont.# 3710
PERMIT # NY JA 113

HAZARDOUS WASTE MANIFEST

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

Please print or type. Form Approved. OMB No: 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
	NYD006929130 00004		

GENERATOR

3. Generator's Name and Mailing Address
Duracell U.S.A.
Berkshire Industrial Park Bethel, Ct. 06801
4. Generator's Phone (203) 796-4000

A. State Manifest Document No. NY A7580781
B. Generator's ID. 60 Elm St. E. Terrytown, New York
C. State Transporter's ID 362 TRK NJ.
D. Transporter's Phone 201 462-1001
E. State Transporter's ID 362 TRK NJ.
F. Transporter's Phone ( )
G. State Facility's ID
H. Facility's Phone (716) 754-8231

5. Transporter 1 (Company Name): Freehold Cartage Inc.
6. US EPA ID Number: NJD054126164
7. Transporter 2 (Company Name):
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Chemical Waste Management, 1550 Balmer Rd. Model City, New York 14107
10. US EPA ID Number: NYD049836679

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. Hazardous Waste Solid N.O.S. ORM-E NA-9189 D007, D008, D009	001	CM	00030	T	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. SLT
b.
c.
d.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work order no. 137096
Profile No. J14611 Emergency Contact (Haztech) (609) 298-8705

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.
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Printed/Typed Name: Ken Forest (Duracell) Signature: [signature] Month Day Year: 10 1 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Timothy McTague Signature: [signature] Month Day Year: 10 1 88

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

FACILITY

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: Mo. Day Year:

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

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

NY A 7580781

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

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

Please print or type.

Form Approved. OMB No. 2050-0039. Expires 9-30-88

Cont.# 8747 PERMIT #NY-JA-113

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal Law.
NYD000692913	00001	1 1	

3. Generator's Name and Mailing Address
DURACELL U.S.A.
Berkshire Industrial Park Bethel, Ct. 06801
4. Generator's Phone (203) 796-4000

A. State Manifest Document No. NY A758075 4
B. Generator's ID 60 Elm St. N. Terrytown, New York
C. State Transporter's ID 2276 FNJ.
D. Transporter's Phone (201) 462-1001
E. State Transporter's ID
F. Transporter's Phone ( )
G. State Facility's ID
H. Facility's Phone (716) 754-8231

5. Transporter 1 (Company Name): Freehold Cartage Inc.
6. US EPA ID Number: NJD054126164
7. Transporter 2 (Company Name):
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Chemical Waste Management, 1550 Balmer Rd. Model City, NY. 14107
10. US EPA ID Number: NYD049836679

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. Hazerdous Waste Solid N.O.S. ORM-E NA-9189 D007, D008, D009	00	CM	00030	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. c.
b. d.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work order no. 137093
Profile No. J14611 Emergency contact (Haztech) 609-298-8705

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.

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Printed/Typed Name	Signature	Month	Day	Year
Ken Forest (Duracell)	Ken Forest	10	10	88

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Month	Day	Year
Thomas Dolan	Thomas Dolan	10	10	88

18. Transporter 2 (Acknowledgement or 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

NYA 758075 4

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Transportation (518) 457-6934

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

Tk.# XL 2025 D
Cont.# 8823

HAZARDOUS WASTE MANIFEST

PERMIT # NY JH-113

Please print or type. P.O. Box 12820, Albany, New York 12212 Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
	NYD 000692913 00002	1 1	

GENERATOR

3. Generator's Name and Mailing Address
Duracell U.S.A.
Berkshire Industrial Park Bethel, Ct. 06801
4. Generator's Phone 203) 796-4000

A. State Manifest Document No. NY A 7580763
B. Generator's ID 60 Elm St. N. Terrytown, New York

5. Transporter 1 (Company Name) — 6. US EPA ID Number
Freehold Cartage Inc. — NJD 054126164
C. State Transporter's ID
D. Transporter's Phone 201 462-1001

7. Transporter 2 (Company Name) — 8. US EPA ID Number
E. State Transporter's ID 16TA NJ
F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number
Chemical Waste Management
1550 Balmer Rd.
Model City, NY. 14107 — NYD 049836679
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	Waste No.
a. Hazardous Waste Solid N.O.S. ORM-E NA-9189 D007, D008, D009	001	CM	00020	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
K. Handling Codes for Wastes Listed Above
a. — c.
b. — d.

15. Special Handling Instructions and Additional Information
Contract No. E09/076788/2 Work order no. 137091
Profile No. J14611 Emergency Contact (Haztech) (609)-298-8705

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.
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Printed/Typed Name: Ken Forest (Duracell) — Signature: [signature] — Month: 10 Day: 10 Year: 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name — Signature — Month Day Year

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

FACILITY

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 — Mo. Day Year

NY A 7580763

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

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

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

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

Please print or type.

Form Approved. OMB No. 2050-0039. Expires 9-30-88

Tk.# [illegible]
Cont.# 8608
PERMIT # NYJA-113

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NYD000692913 00003

2. Page 1 of 1

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

3. Generator's Name and Mailing Address
Duracell U.S.A.
Berkshire Industrial Park Bethel, Ct. 06801

4. Generator's Phone (203) 796-4000

A. State Manifest Document No.: NY A 7580772

B. Generator's ID: 60 Elm St. N. Terrytown, NewYork

5. Transporter 1 (Company Name): Freehold Cartage Inc.

6. US EPA ID Number: NJD054126164

C. State Transporter's ID: 116 TRXNJ

D. Transporter's Phone: 201 462-1001

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
Chemical Waste Management
1550 Balmer Rd.
Model City, NY. 14107

10. US EPA ID Number: NYD049836679

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	Waste No.
a. Hazardous Waste Solid N.O.S. DRM-E NA-9189 D007, D008, D009	001	CM	00020	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above

K. Handling Codes for Wastes Listed Above

a. c.

b. d.

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work order no. 137095
Profile No. J14611 Emergency Contact (Hastech) (609) 298-8705

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Printed/Typed Name: Ken Forest (Duracell) Signature: Ken Forest Mo. 10 Day 7 Year 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name Signature Mo. Day Year

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name Signature Mo. Day Year

FACILITY

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 Mo. Day Year

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

NY A 7580772

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

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

Please print or type.

Form Approved. OMB No. 2050-0039. Expires 9-30-88

IR #: A2 3CL D 14.50
CONT. #: 8756
PERMIT #: NYJA 113

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NYD00) 0 6 6 8 9 1 8 0 0 0 1 0

2. Page 1 of: 1

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

3. Generator's Name and Mailing Address
DURACELL USA
BERKSHIRE INDUSTRIAL PARK BETHEL, CT 06801
4. Generator's Phone ( )

A. State Manifest Document No.: NY A 758085 3
B. Generator's ID: 60 Elm St. N. TARRYTOWN, NY
C. State Transporter's ID: 116 TX NJ.
D. Transporter's Phone: (201) 462-1001
E. State Transporter's ID:
F. Transporter's Phone ( )

5. Transporter 1 (Company Name): Freehold Cartage Inc.
6. US EPA ID Number: N J D 0 5 4 1 2 6 1 6 4
7. Transporter 2 (Company Name):
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Chemical Waste Management
1550 Balmer Rd.
Model City, NJ 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.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Hazardous Waste Solid N.O.S. O R M - E NA-9189	0 0 1	C M	0 0 0 30	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. S, T
b.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work Order No. 137102
Profile No. J14611 Emergency Contact (Haztech) 609-298-8705

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.

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Printed/Typed Name: Ken Forest (Duracell) Signature: [signature] Mo. 10 Day 12 Year 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Signature: Mo. Day Year

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name: Signature: Mo. Day Year

FACILITY

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: Mo. Day Year

NY A 758085 3

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

Int #: XL20ED NJ.
CONT. #: 8512
PERMIT #: NYJH13

HAZARDOUS WASTE MANIFEST

Please print or type. P.O. Box 12820, Albany, New York 12212 Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NYD006929130 00009
2. Page 1 of 1
Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address
DURACELL USA
BERKSHIRE INDUSTRIAL PARK Bethel, CT 06801
4. Generator's Phone (203) 796-4000

A. State Manifest Document No.: NY A 758084 4
B. Generator's ID 60 Elm Street N. Tarrytown, NY

5. Transporter 1 (Company Name): Freehold Cartage Inc.
6. US EPA ID Number: NJD054126164
C. State Transporter's ID: 16 TX NJ.
D. Transporter's Phone: (201) 462-1001

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
Chemical Waste Management
1550 Balmer Road
Model City, NJ 14107
10. US EPA ID Number: NYD049836679
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. Hazardous Waste Solid N.O.S. DRM-E NA-9189	001	CM	00030	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. S, T
c.
b.
d.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work Order No. 137101
Profile No. J14511 Emergency Contract (HAZTECH) 609-298-8705

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 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 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: Ken Forest (Duracell) Signature: [signature] Month: 10 Day: 12 Year: 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Tom McIntyre Signature: [signature] Month: 10 Day: 12 Year: 88

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

FACILITY

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

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

NY A 758084 4

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

Please print or type. P.O. Box 12820, Albany, New York 12212 Form Approved. OMB No. 2050-0039, Expires 9-30-88

ID #: NJ 1615 N.
CONT. #: 8811
PERMIT #: NYJH 113

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NYD006929130 0 0 1 3

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

3. Generator's Name and Mailing Address
DURACELL USA
BERKSHIRE INDUSTRIAL PARK, BETHEL, CT 06801

4. Generator's Phone (203) 796-4000

A. State Manifest Document No.: NY A 7580889

B. Generator's ID: 80 Elm Street N. Tarrytown, NY

5. Transporter 1 (Company Name): Freehold Cartage Inc.

6. US EPA ID Number: NJD054126164

C. State Transporter's ID: 222 NJ

D. Transporter's Phone: 201-462-1001

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
Chemical Waste Management
1550 Balmer Rd.
Model City, NY 14107

10. US EPA ID Number: NYD049836679

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	Waste No.
a. Hazardous Waste Solid N.O.S. ORM-E NA-9189	001	CM	00030	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. S.T.
b.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work Order No. 137105
Profile No. J14611 Emergency Contact (Haztech) 609-298-8705

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.
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Printed/Typed Name: Ken Forest (Duracell) Signature: [signature] Mo. 10 Day 18 Year 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Thomas DeLun Signature: [signature] Mo. 10 Day 18 Year 88

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name Signature Mo. Day Year

FACILITY

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 Mo. Day Year

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

NY A 7580889

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

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

Please print or type. Form Approved. OMB No. 2050-0039. Expires 9-30-88

CONT. #: 8611
PERMIT #: NYJH 113

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
	NYD006929130 0012		

GENERATOR

3. Generator's Name and Mailing Address
DURACELL USA
BERKSHIRE INDUSTRIAL PARK BETHEL, CT 06801
4. Generator's Phone (203) 796-4000

A. State Manifest Document No. NY A 758087 1
B. Generator's ID 60 Elm St N. Tarrytown, NY
C. State Transporter's ID 679447
D. Transporter's Phone (201) 462-1001

5. Transporter 1 (Company Name): Freehold Cartage, Inc.
6. US EPA ID Number: NJD054126164
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
Chemical Waste Management
1550 Balmer Rd.
Model City, NY 14107
10. US EPA ID Number: NYD049836779
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	Waste No.
a. Hazardous Waste Solid N.O.S. ORM-E NA-9189	001	CM	00030	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. S,T
b.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work Order No. 137104
Profile No. J14611 Emergency Contact (Haztech) 609-298-8705

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.

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Printed/Typed Name	Signature	Mo.	Day	Year
Ken Forest (Duracell)	Kenneth Forest	10	12	88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Year
William Tebet		10	12	88

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

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	Mo.	Day	Year

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

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (518) 457-6832.

NY A 758087 1

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

CONT. #: 8509
PERMIT #: NY JA 113

HAZARDOUS WASTE MANIFEST

Please print or type. P.O. Box 12820, Albany, New York 12212 Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NYD000692913 / 000611
2. Page 1 of 1 — Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address
DURACELL USA
BERKSHIRE INDUSTRIAL PARK BETHEL, CT 06801
4. Generator's Phone (203) 796-4000

A. State Manifest Document No.: NY A758086 2
B. Generator's ID: 60 Elm St. N. Tarrytown, NY
C. State Transporter's ID: 619437
D. Transporter's Phone (201) 462-1001
E. State Transporter's ID:
F. Transporter's Phone ( )

5. Transporter 1 (Company Name): Freehold Cartage Inc.
6. US EPA ID Number: NJD054126164
7. Transporter 2 (Company Name):
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Chemical Waste Management
1550 Balmer Rd.
Model City, NY 14107
10. US EPA ID Number: NYD049836679
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	NCTN Waste No.
a. Hazardous Waste Solid N.O.S. D&M-E NA-9189	001	CM	00030	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. S,T
b.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work Order No. 137103
Profile No. J14611 Emergency Contact (Baztech) 609-298-8705

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.
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Printed/Typed Name: Ken Forest (Duracell) Signature: Kenneth R Forest Mo. 10 Day 12 Year 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: William J Ebert Signature: William J Ebert Mo. 10 Day 12 Year 88

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name: Signature: Mo. Day Year

FACILITY

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: Mo. Day Year

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of ...sport... 518) ...32...

NYA 758086 2

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

CONT. #8308
PERMIT #: NYJH113

HAZARDOUS WASTE MANIFEST

Please print or type. P.O. Box 12820, Albany, New York 12212 Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
	NYD000692913 / 00014		

GENERATOR

3. Generator's Name and Mailing Address
DURACELL USA
BERKSHIRE INDUSTRIAL PARK BETHEL, CT 06801
4. Generator's Phone ( )

A. State Manifest Document No. NY A758089 8
B. Generator's ID 60 Elm St. N. TARRYTOWN, NY

5. Transporter 1 (Company Name) Freehold Cartage Inc.
6. US EPA ID Number NJD054126164
C. State Transporter's ID XL61EF NJ
D. Transporter's Phone (201) 462-1001

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
Chemical Waste Management
1550 Balmer Rd.
Model City, NY 14107
10. US EPA ID Number NYD049836679
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	Waste No.
a. Hazardous Waste Solid N.O.S. ORM-E NA-9189	001	CN	00030	Y	D002 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. Syl
b.

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

15. Special Handling Instructions and Additional Information
Contract No. 209/076/88/2 Work Order No. 137106
Profile No. J14511 Emergency Contact (Haztech) 509-298-8705

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.
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Printed/Typed Name	Signature	Month	Day	Year
Ken Forest (Duracell)	[signature]	1	01	88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Month	Day	Year
TOM BARTUCA	[signature]	1	01	88

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

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

NY A 758089 8

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
- DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

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

TK #: [illegible]
CONT. #: 8750
PERMIT #: NYJA115

Please print or type. Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. / Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal Law.
	NYD000692913 00016	1	

GENERATOR

3. Generator's Name and Mailing Address
DURACELL USA
BERKSHIRE INDUSTRIAL PARK BETHEL, CT 06801
4. Generator's Phone (203- 796-4000

A. State Manifest Document No. NY A758091 6
B. Generator's ID 60 Elm St. N. Tarrytown, NY
C. State Transporter's ID 116 TX NJ.
D. Transporter's Phone (201) 462-1001
E. State Transporter's ID
F. Transporter's Phone

5. Transporter 1 (Company Name): Freehold Cartage Inc.
6. US EPA ID Number: NJD054126164
7. Transporter 2 (Company Name):
8. US EPA ID Number:

9. Designated Facility Name and Site Address
Chemical Waste Management
1550 Balmer Rd.
Model City, NJ 14107
10. US EPA ID Number: NYD049836679
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.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Hazardous Waste Solid N.O.S. ORM-E NA-9189	001	CM	00030	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. S,I
b.

K. Handling Codes for Wastes Listed Above
a. [illegible] c. [illegible]
b. [illegible] d. [illegible]

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work Order No. 137136
Profile No. J14611 Emergency Contact (Haztech) 609-298-8705

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.
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Printed/Typed Name: Ken Forest (Duracell) Signature: [signature] Month: 10 Day: 17 Year: XX

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: [illegible] Signature: [signature] Month: Day: Year:

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

FACILITY

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: Mo. Day. Year

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (518) 457-[illegible]

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

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

CONT. #: 8412
PERMIT #: NY JA113

Please print or type. Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
	NYD000692913 / 000017		

3. Generator's Name and Mailing Address
DURACELL INTA
BERKSHIRE INDUSTRIAL PARK BETHEL, CT 06801
4. Generator's Phone (203) 796-4000

A. State Manifest Document No. NY A758092 5
B. Generator's ID 60 Elm St. N. Tarrytown, NY
C. State Transporter's ID 116 IX NJ.
D. Transporter's Phone (201) 462-1001
E. State Transporter's ID
F. Transporter's Phone ( )
G. State Facility's ID
H. Facility's Phone (716) 755-8231

5. Transporter 1 (Company Name): Freehold Cartage Inc. — 6. US EPA ID Number: NJD054126164
7. Transporter 2 (Company Name) — 8. US EPA ID Number

9. Designated Facility Name and Site Address
Chemical Waste Management
1550 Balmer Rd.
Model City, NY 14107
10. US EPA ID Number: NYD049836679

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Hazardous Waste Solid N.O.S. ORM-E NA-9189	001	CM	00030	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above: a. S,T
K. Handling Codes for Wastes Listed Above: a. c. b. d.

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work Order No. 137447
Profile No. J14611 Emergency Contact (Haztech) 609-298-8705

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.
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Printed/Typed Name: Ken Forest (Duracell) — Signature: [signature] — Month Day Year: 10 6 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name — Signature — Month Day Year

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

FACILITY

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 — Mo. Day Year

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (518) 457-[illegible]

INTA 100052 C

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

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

TR #: NYA 1758090 7
CONT. #: 8630
PERMIT #: NY JA 113

Please print or type. Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NYD000692913 / 00015

2. Page 1 of 1

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

GENERATOR

3. Generator's Name and Mailing Address
DURACELL USA
BERKSHIRE INDUSTRIAL PARK BETHEL, CT 06801
4. Generator's Phone (203+796-4000

A. State Manifest Document No.: NY A 758090 7
B. Generator's ID: 60 Elm St. N. Tarrytown, NY
C. State Transporter's ID: 362 TRK
D. Transporter's Phone (201) 462-1001
E. State Transporter's ID:
F. Transporter's Phone ( )
G. State Facility's ID:
H. Facility's Phone: (716) 754-8231

5. Transporter 1 (Company Name): Freehold Cartage Inc.
6. US EPA ID Number: NJD054126164
7. Transporter 2 (Company Name):
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Chemical Waste Management, 1550 Belmer Rd. Model City, NY 14107
10. US EPA ID Number: NYD049836679

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. Hazardous Waste Solid N.O.S. CRM-E NA-9189	001	CM	00030	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. S,T
b.
c.

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

15. Special Handling Instructions and Additional Information
Contract No. E09/076/88/2 Work Order No. 137107
Profile No. J14611 Emergency Contact (Haztech) 609-298-8705

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.

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Printed/Typed Name: Ken Forest (Duracell) Signature: Ken Forest Mo. Day Year: 10 17 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Timothy M McIntyre Signature: Timothy M McIntyre Mo. Day Year: 10 17 88

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name: Signature: Mo. Day Year:

FACILITY

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: Mo. Day Year:

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

In case of emergency or spill immediately call the Chemical Referral Center (800) 424-9300

NYA 1758090 7

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

CONT. #: RO417
PERMIT #: NYJA207

HAZARDOUS WASTE MANIFEST

Please print or type. P.O. Box 12820, Albany, New York 12212 Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NYD000692913 Manifest Document No. 000118
2. Page 1 of 1
Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address
DURACELL USA
BERKSHIRE INDUSTRIAL PARK BETHEL, CT 06801
4. Generator's Phone (203) 796-4000

A. State Manifest Document No. NYA758093 4
B. Generator's ID 60 Elm St. N. Tarrytown, NY
C. State Transporter's ID T29HEN NJ
D. Transporter's Phone

5. Transporter 1 (Company Name) Nappi Trucking Inc.
6. US EPA ID Number NJD000813477
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
Chemical Waste Management
1550 Balmar Rd.
Model City, NJ 04107
10. US EPA ID Number NYD049836799
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	Waste No.
a. Hazardous Waste Solid N.O.S. OEM-E NA-9189	001	CM	00022	Y	D007 D008 D009
b.					
c.					
d.					

J. Additional Descriptions for Materials listed Above
a. S,T
b.
c.
d.

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

15. Special Handling Instructions and Additional Information
Contract No.
Work Order No. 137448
Profile No.
Emergency Contact (Haztech) 609-298-8705

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 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 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: Ken Forest (Duracell) Signature: Ken Forest Mo. 10 Day 18 Year 88

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: JUAN CRUZ Signature: Juan Cruz Mo. 10 Day 18 Year 88

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name Signature Mo. Day Year

FACILITY

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 Mo. Day Year

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

NYA 758093 4

COPY 2 - Designated State - mailed by generator

CleanHarbors

WASTE MATERIAL PROFILE SHEET

P 031630
Profile Sheet Number

A GENERAL INFORMATION

GENERATOR NAME: Duracell, Inc.
CUSTOMER NAME: Environmental Chemical Assoc. (IF DIFFERENT FROM GENERATOR)
FACILITY ADDRESS:
CUSTOMER CONTACT: Susan Shulack
CUSTOMER PHONE: 301/245-1365
North Tarrytown, NY
GENERATOR USEPA I.D.: NYD010106913
TECHNICAL CONTACT: Clifford Perman TITLE: PHONE: 203/796-4050
NAME OF WASTE: Bag House Dust (fines)
PROCESS GENERATING WASTE:

B PHYSICAL CHARACTERISTICS OF WASTE

DESCRIPTION AND COLOR: Dusty/brown Solid

ODOR: ☐ NONE ☐ MILD ☐ STRONG DESCRIBE:

PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI SOLID ☐ LIQUID ☐ LIQUID WITH SLUDGE ☐ POWDER

LAYERS: ☒ SINGLE PHASED ☐ BILAYERED ☐ MULTILAYERED ☐ N/A

FREE LIQUID: ☐ YES ☒ NO VOLUME: %

pH: ☐ <2 ☐ 2-5 ☐ 5-9 ☐ 9-12.5 ☐ >12.5 ☐ EXACT ☒ N/A

SPECIFIC GRAVITY: ☐ <.8 ☐ .8-1.0 ☐ 1.0 ☐ 1.0-1.2 ☐ 1.2-1.4 ☐ 1.4-1.6 ☐ >1.6 ☐ EXACT Solid

FLASH POINT (°F): ☐ <70 ☐ 70-100 ☐ 101-139 ☐ 140-200 ☐ >200 ☒ NO FLASH ☐ EXACT

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%) *

Bag House Dust	%
Mercury	%
Silver	%
Lead	%
	%
	%
	%
	%
	%

*RANGES ARE PERMISSIBLE, BUT MUST BE NARROW

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)		SELENIUM (Se)	
BARIUM (Ba)		SILVER (Ag)	
CADMIUM (Cd)		COPPER (Cu)	
CHROMIUM (Cr)		NICKEL (Ni)	
MERCURY (Hg)		ZINC (Zn)	
LEAD (Pb)		TIN (Sn)	
CHROMIUM-HEX (Cr + 6)		OTHER	

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES		PCB'S	
SULFIDES		PHENOLICS	

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER D.O.T. SHIPPING NAME: Waste Poison B Solid, NOS
D.O.T. HAZARD CLASS: Poison B
UN/NA I.D. NO.: UN 3811 R.Q.:
SHIPMENT METHOD: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (SIZE) 55-17H
ANTICIPATED VOLUME: GALS. CUBIC YARDS
21 DRUMS OTHER
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER
OTHER HAZARDOUS CHARACTERISTICS: ☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER
USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA NUMBER(S): D008, D009, D011
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE NUMBER(S): Same

H SPECIAL HANDLING INFORMATION/OTHER COMMENTS ☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE: Clifford Perman TITLE: Director Environmental Affairs DATE: 10/27/88

CUSTOMER COPY

CleanHarbors — WASTE MATERIAL PROFILE SHEET

P.031629
Profile Sheet Number

A GENERAL INFORMATION

GENERATOR NAME: Duracell, Inc.
CUSTOMER NAME: Environmental Chemical Assoc. (IF DIFFERENT FROM GENERATOR)
FACILITY ADDRESS:
CUSTOMER CONTACT: Susan Shulack
CUSTOMER PHONE: 301/345-6365
North Tarrytown, NY
GENERATOR USEPA I.D. NYD 000 161 929
TECHNICAL CONTACT: Gifford Perman
TITLE:
PHONE: 203/796-4650
NAME OF WASTE: Solids from Trenches
PROCESS GENERATING WASTE: Battery manufacture

B PHYSICAL CHARACTERISTICS OF WASTE

DESCRIPTION AND COLOR: Black, oily ~~sludge~~ - solids

ODOR: ☒ NONE ☐ MILD ☐ STRONG — DESCRIBE:

PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI SOLID ☐ LIQUID WITH SLUDGE ☐ LIQUID ☐ POWDER

LAYERS: ☒ SINGLE PHASED ☐ BILAYERED ☐ MULTILAYERED ☐ N/A

FREE LIQUID: ☐ YES ☒ NO — VOLUME %

pH: ☐ <2 ☐ 2-5 ☐ 5-9 ☐ 9-12.5 ☐ >12.5 ☐ EXACT ☒ N/A

SPECIFIC GRAVITY: ☐ <.8 ☐ .8-1.0 ☐ 1.0 ☐ 1.0-1.2 ☐ 1.2-1.4 ☐ 1.4-1.6 ☐ >1.6 ☐ EXACT Solid

FLASH POINT (°F): ☐ <70 ☐ 70-100 ☐ 101-139 ☐ 140-200 ☐ >200 ☒ NO FLASH ☐ EXACT

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%) *

Soil	90-97 %
Oil and Grease	2-7 %
Mercury	%
Silver	%
Lead	%
	%
	%
	%
	%

*RANGES ARE PERMISSIBLE, BUT MUST BE NARROW

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)		SELENIUM (Se)	
BARIUM (Ba)		SILVER (Ag)	
CADMIUM (Cd)		COPPER (Cu)	
CHROMIUM (Cr)		NICKEL (Ni)	
MERCURY (Hg)		ZINC (Zn)	
LEAD (Pb)		TIN (Sn)	
CHROMIUM HEX (Cr + 6)		OTHER	

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES		PCB'S	
SULFIDES		PHENOLICS	

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER D.O.T. SHIPPING NAME: Waste Resin Solid, NOS
D.O.T. HAZARD CLASS: Poison B
UN/NA I.D. NO.: UN 2811 R.Q.:
SHIPMENT METHOD: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (SIZE) 55 gal 17H
ANTICIPATED VOLUME: GALS. CUBIC YARDS
9 DRUMS OTHER
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER
OTHER HAZARDOUS CHARACTERISTICS: ☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER
USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA NUMBER(S): D008, D009, D011
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE NUMBER(S): Same

H SPECIAL HANDLING INFORMATION/OTHER COMMENTS

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE	TITLE	DATE
Gifford Perman	Director Lithium Opns	10/27/88

CUSTOMER COPY

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL QUALITY ENGINEERING
DIVISION OF SOLID AND HAZARDOUS WASTE
One Winter Street
Boston, Massachusetts 02108

NYS #NJA006
TRACKING # 415823

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

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator US EPA ID No. NYD000697913 Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: DURACELL USA 60 ELM ST NO. TARRYTOWN NY
A. State Manifest Document Number: MA C 314040
B. State Gen. ID:
4. Generator's Phone (914) 332-9193
5. Transporter 1 Company Name:
6. US EPA ID Number:
C. State Trans. ID:
7. Transporter 2 Company Name: CLEAN HARBORS of KINGSTON Inc. (R.F.)
8. US EPA ID Number: MAD039322250
D. Transporter's Phone ( )
E. State Trans. ID: 275711 MA
9. Designated Facility Name and Site Address: CLEAN HARBORS of BRAINTREE INC. 385 QUINCY AVE BRAINTREE MA 02184
10. US EPA ID Number: MAD053457637
F. Transporter's Phone (617) 565-5111
G. State Facility's ID: Not Required
H. Facility's Phone (617) 849-1607

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. WASTE POISON B. SOLID N.O.S. UN 2811	111	DM	06000	P	D010
b. WASTE POISON B. SOLID N.O.S. UN 2811	1A1	DM	15000	P	D010
c.					
d.					

J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.)
a. TRUCK DIRT
b. BAG HOUSE DUST
c.
d.

K. Handling Codes for Wastes Listed Above
a. S01
b. S01
c.
d.

15. Special Handling Instructions and Additional Information: DURACELL USA INC SEND MANIFEST ATT. GILLIGAN PERMAN
PROFILE # A. P-031629
B. P-031630 Berkley Industrial Park Berlin CT 06801

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

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

GENERATOR

Printed/Typed Name	Signature	Date (Month Day Year)
KEN FORREST	Kenneth R Forrest	11 11 98

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
EDWARD S. HILL	Edward S Hill	11 11 98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space: SIGNATURE PURCELL WRONG PLACE

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

Printed/Typed Name	Signature	Date (Month Day Year)
JAMES N DILTS JR. KEN FORREST R.F.	James N Dilts Jr. Kenneth R Forrest	11 11 98

Form Approved OMB No. 2050-0039, Expires 9-30-88
EPA Form 8700-22 (Rev. 9-86) Previous editions are obsolete.

COPY>3: GENERATOR-MAILED BY TSDF

In case of emergency or spill, immediately call the National Response Center (800) 424-8802.

CleanHarbors — WASTE MATERIAL PROFILE SHEET

P 031628
Profile Sheet Number

A GENERAL INFORMATION

GENERATOR NAME: Duracell, Inc.
CUSTOMER NAME: Environmental Chemical Assoc (IF DIFFERENT FROM GENERATOR)
FACILITY ADDRESS:
CUSTOMER CONTACT: Susan Shulack
CUSTOMER PHONE: 301/345-1365
North Tarrytown, NY
GENERATOR USEPA I.D. NYD 0 0 6 9 2 9 1 1 3
TECHNICAL CONTACT: Gifford Perman TITLE: PHONE: 202/796-4050
NAME OF WASTE: Water Rinsate
PROCESS GENERATING WASTE: Battery manufacturing Facility

B PHYSICAL CHARACTERISTICS OF WASTE

DESCRIPTION AND COLOR: Black liquid

ODOR: ☒ NONE ☐ MILD ☐ STRONG — DESCRIBE

PHYSICAL STATE @ 70°F: ☐ SOLID ☐ SEMI SOLID ☐ LIQUID WITH SLUDGE ☒ LIQUID ☐ POWDER

LAYERS: ☒ SINGLE PHASED ☐ BILAYERED ☐ MULTILAYERED ☐ N/A

FREE LIQUID: ☒ YES ☐ NO — VOLUME 95-100 %

pH: ☐ <2 ☐ 2-5 ☐ 5-9 ☒ 9-12.5 ☐ >12.5 ☐ EXACT ☐ N/A

SPECIFIC GRAVITY: ☐ <.8 ☐ .8-1.0 ☐ 1.0 ☒ 1.0-1.2 ☐ 1.2-1.4 ☐ 1.4-1.6 ☐ >1.6 ☐ EXACT 1060

FLASH POINT (°F): ☐ <70 ☐ 70-100 ☐ 101-139 ☐ 140-200 ☒ >200 ☐ NO FLASH ☐ EXACT

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%) *

Aqueous Rinsate (Water)	90-98 %
Penetone Alkali Solution	2 %
Mercuric Oxide	~2 %
Lead	~2 %
Silver	~2 %
	%
	%
	%
	%

*RANGES ARE PERMISSIBLE, BUT MUST BE NARROW

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)		SELENIUM (Se)	
BARIUM (Ba)		SILVER (Ag)	
CADMIUM (Cd)		COPPER (Cu)	
CHROMIUM (Cr)		NICKEL (Ni)	
MERCURY (Hg)		ZINC (Zn)	
LEAD (Pb)		TIN (Sn)	
CHROMIUM-HEX (Cr + 6)		OTHER	

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	none	PCB'S	none
SULFIDES	none	PHENOLICS	none

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER D.O.T. SHIPPING NAME: Waste Poisonous Liquid, NOS
D.O.T. HAZARD CLASS: Poison B
UN/NA I.D. NO.: UN 2810 R.Q.:
SHIPMENT METHOD: ☒ BULK LIQUID ☐ BULK SOLID ☐ DRUM (SIZE)
ANTICIPATED VOLUME: 10,000 gals. ☐ GALS. ☐ CUBIC YARDS ☐ DRUMS ☐ OTHER
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER
OTHER HAZARDOUS CHARACTERISTICS: ☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER
USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA NUMBER(S): D008, D009, D011
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE NUMBER(S): same

H SPECIAL HANDLING INFORMATION/OTHER COMMENTS ☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE: Gifford Perman TITLE: Director Hilltown Ops DATE: 10/27/88

CUSTOMER COPY

VHW-001 (REV. 9/86)

NYSDEC ID MA006
TRANSP #Q 22143 MA
TRANSP #318-361 MASS

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

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

Form Approved OMB No 2050-0039 Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJ D 000 6 9 2 91 3 17 7 19 — Manifest Document No.
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
Duracell, USA
60 Elm Street
North Tarrytown, NY
4. Generator's Phone (914) 332-9193

A. State Manifest Document Number: NJA 0417718
B. State Generator's ID: SAME

5. Transporter 1 Company Name: Clean Harbors of Kingston, Inc
6. US EPA ID Number: MA D 0 39 3 22250
C. State Trans. ID: NJSWAS -7259

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone (617) 585-5111
E. State Trans. ID

9. Designated Facility Name and Site Address
SCA Chemical Services, (CWM)
107 Albert Ave
Newark, NJ 07105
10. US EPA ID Number: NJ D 0 89 21 6 790
F. Transporter's Phone ( )
G. State Facility's ID
H. Facility's Phone (201) ~~465-9100~~

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. X RQ Waste Poison Liquid, NOS Poison B, UN 2810	001	TT	4800	G	D 00 9
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. D008, D011
c.
b.
d.

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

15. Special Handling Instructions and Additional Information
P.O.#513
Release #A12701
DECAL #2457
LOT-E 9572

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

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

Printed/Typed Name: KENNETH FORREST — Signature: Kenneth Forrest — Month Day Year: 1 10 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DONALD J. PARKS — Signature: Donald J. Parks — Month Day Year: 1 10 88

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

FACILITY

19. Discrepancy Indication Space
SIGNATURE WRONG PLACE K.F.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: KENNETH T — Signature — Month Day Year

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

7 — GENERATOR, MAIL TO GENERATOR STATE

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

APPENDIX B

CALCULATIONS OF SURFACE CONCENTRATIONS

CHAIN OF CUSTODY RECORDS

LABORATORY ANALYSIS REPORTS

Building and equipment surfaces were sampled during and after cleaning on September 2, 13, 15, 22 and 28, 1988 and October 3, 5 and 24, 1988. Tables B-1 and B-2 identify the date and number of each sample. Samples taken during the cleaning to evaluate procedures are designated test samples. After the final sample was taken, which documented the level of cleanliness achieved, the location was isolated. Where duplicate samples were taken, two test numbers are referenced.

Tables B-3 through B-10 presents the calculations of surface concentrations for each sample date. Chain of Custody forms (10 pages) and laboratory report forms indicating duplicate and spike analyses (10 pages) are presented following Table B-10.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-1

BUILDING SURFACE SAMPLING DATES

Location	Surface	Date	Sample Number	Sample Type
Area 1	Floor	September 28	1	
Area 2	Floor	September 15	1	
Area 3	Floor	September 2	7	Test
		September 13	7	Test
		October 3	1	
Area 5	Floor	September 28	2, 3	Test
		October 24	1	
Area 6	Floor	October 3	2	
Area 7	Floor	October 3	3	
Area 8	Floor	October 3	4	
Area 9	Floor	September 28	4	
	Wall	September 28	5	
	Ceiling	September 28	6	
Area 10	Floor	October 3	5, 6	

Table B-1 Continued . . .

Location	Surface	Date	Sample Number	Sample Type
Area 11	Floor	September 15	2	
Area 12	Floor	September 2	6	Test
		September 15	3	
Area 13	Floor	October 3	9	
Area 14	Floor	September 2	1, 2	
	Wall	September 2	3	
	Ceiling	September 2	4	
Area 15				
Hazardous Waste	Floor	September 28	H-1, H-1A	
Storage	Wall	September 28	H-2	
Facility	Ceiling	September 28	H-3	
Room 52	Floor	October 5	6	
	Wall	October 5	7	
	Ceiling	October 5	8	
Room 34	Floor	October 5	9	
Room 58	Floor	September 28	7	
	Wall	September 28	8	
	Ceiling	September 28	9	
East Floor Trench	Floor	September 2	10, 11	
West Floor Trench	Floor	September 2	9	
Pit No. 1	Floor/Wall	October 5	10	
Pit No. 2	Floor/Wall	October 3	8	

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-2

EQUIPMENT SURFACE SAMPLING DATES

Location	Surface	Date	Sample Number	Sample Type
Cyclone	Interior	September 13	4	Test
		October 5	4	
	Exterior	September 13	5	Test
		October 5	5	
Baghouse	Interior	September 13	1, 3	Test
		September 22	1, 3	Test
		October 5	1, 2	
	Exterior	September 13	2	Test
		September 22	2, 4	Test
		October 5	3	
Area 14 (Boiler Room)	Exterior	September 2	5	
Air Handling Units	Interior	September 2	14	

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-3

CALCULATIONS OF SURFACE CONCENTRATIONS
SAMPLE DATE SEPTEMBER 2, 1988

Sample Number	Surface	Wipe Number	Wipe Area (SF)	Lead Total (mg)	Lead Concentration (mg/SF)	Mercury Total (mg)	Mercury Concentration (mg/SF)
	Area 14						
1	Floor	6	0.75	4.1	5.5	0.19	0.25
2	Floor	6	0.75	1.2	1.6	0.007	0.090
	Average				3.6		0.13
3	Wall	6	0.75	0.60	0.80	0.0003	0.0004
4	Ceiling	6	0.75	0.24	0.32	0.009	0.012
5	Equipment	10	1.25	0.29	0.23	0.014	0.011
	Area 12						
6	Test Floor, Room 64	4	0.5	0.29	0.58	0.045	0.090
	Area 3						
7	Test Floor					0.001	
						0.002	
	Average	4	0.5	19.	38.	0.0015	0.003
8	Blank	6	0.75	BDL	BDL	BDL	BDL
9	West Floor Trench	5	0.625	3.8	6.1	0.14	0.22
10	East Floor Trench			6.3		14.	
				6.0		12.	
	Average	9	1.125	6.2	5.5	13.	12.
11	East Floor Trench	9	1.125	9.8	8.7	2.9	2.6
	Average				7.1		7.3
14	Air Handling Units	6	0.75	0.33	0.44	0.16	0.21
15	Blank	6	0.75	BDL	BDL	BDL	BDL

NOTE: BDL - Below Detectable Limits

#4495C

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-4

CALCULATIONS OF SURFACE CONCENTRATIONS
SAMPLE DATE SEPTEMBER 13, 1988

Sample Number	Surface	Wipe Number	Wipe Area (SF)	Lead Total (mg)	Lead Concentration (mg/SF)	Mercury Total (mg)	Mercury Concentration (mg/SF)
	Baghouse						
1	Interior	9	1.125	7.3	6.5	1.1	0.98
3	Interior	9	1.125	5.4	4.8	0.19	0.17
	Average				5.7		0.57
2	Exterior	9	1.125	2.8	2.5	0.95	0.84
	Cyclone						
4	Interior	6	0.78	28.	37.	0.59	0.79
5	Exterior	6	0.75	0.53	0.71	0.005	0.007
6	Blank	6	0.75	BDL	BDL	0.0003	0.0004
	Area 3						
7	Test Floor	4	0.50	1.3	2.6	0.009	0.018

NOTE: BDL - Below Detectable Limits

#4495C

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-5

CALCULATIONS OF SURFACE CONCENTRATIONS
SAMPLE DATE SEPTEMBER 15, 1988

Sample Number	Surface	Wipe Number	Wipe Area (SF)	Lead Total (mg)	Lead Concentration (mg/SF)	Mercury Total (mg)	Mercury Concentration (mg/SF)
1	Area 2 Floor	6	0.75	0.088	0.12	0.009	0.0012
2	Area 11 Floor	6	0.75	0.056	0.075	0.0014	0.0019
3	Area 12 Floor	8	1.0	0.11	0.11	0.0018	0.0018
4	Blank	6	0.75	BDL	BDL	0.0007	0.0009

NOTE: 1) BDL - Below Detectable Limits
2) Only the big area of Area 11 was tested

#4813C

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-6

SAMPLE DATE SEPTEMBER 22, 1988

Sample Number	Surface	Wipe Number	Wipe Area (SF)	Lead Total (mg)	Lead Concentration (mg/SF)	Mercury Total (mg)	Mercury Concentration (mg/SF)
	Baghouse Before Test Cleaning						
1	Interior	4	0.50	0.15	0.30	0.036	0.072
2	Exterior	4	0.50	0.34	0.68	0.19	0.38
	Baghouse After Test Cleaning						
3	Interior	4	0.50	0.063	0.13	0.10	0.20
4	Exterior	4	0.50	0.025	0.05	0.05	0.10
5	Blank	4	0.50	BDL	BDL	BDL	BDL

NOTE: BDL - Below Detectable Limits

#4495C

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-7

CALCULATIONS OF SURFACE CONCENTRATIONS
SAMPLED DATE SEPTEMBER 28, 1988

Sample Number	Surface	Wipe Number	Wipe Area (SF)	Lead Total (mg)	Lead Concentration (mg/SF)	Mercury Total (mg)	Mercury Concentration (mg/SF)
	Area 1						
1	Floor	6	0.75	0.19	0.25	0.019	0.025
	Area 5						
2	Floor	4	0.50	15.	30.	2.0	4.0
3	Floor	4	0.50	14.	28.	11.	22.
	Average				29.		13.
	Area 9						
4	Floor	6	0.75	1.2	1.6	0.009	0.012
5	Wall	9	1.125	0.038	0.034	0.015	0.013
6	Ceiling	6	0.75	BDL	BDL	0.016	0.021
	Room 58						
7	Floor	4	0.50	0.30	0.60	0.061	0.12
8	Wall					0.056	
						0.066	
	Average	6	0.75	0.19	0.25	0.061	0.081
9	Ceiling	4	0.50	BDL	BDL	0.006	0.012
10	Blank	6	0.75	BDL	BDL	BDL	BDL

NOTE: BDL - Below Detectable Limit

#4495C

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-8

CALCULATIONS OF SURFACE CONCENTRATIONS
AT THE HAZARDOUS WASTE STORAGE FACILITY
SAMPLE DATE SEPTEMBER 28, 1988

Sample Number	Surface	Wipe Number	Wipe Area (SF)	Lead Total (mg)	Lead Concentration (mg/SF)	Mercury Total (mg)	Mercury Concentration (mg/SF)
	Area 15						
H-1	Floor	6	0.75	0.17	0.23	0.002	0.0027
H-1A	Floor	6	0.75	0.21	0.28	0.0005	0.0007
	Average				0.26		0.0017
H-2	Wall	6	0.75	0.038	0.051	0.0057	0.0076
H-3	Ceiling	4	0.5	BDL	BDL	0.0018	0.0036

NOTE: BDL - Below Detectable Limits

#4495C

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-9

CALCULATIONS OF SURFACE CONCENTRATIONS
SAMPLE DATE OCTOBER 3, 1988

Sample Number	Surface	Wipe Number	Wipe Area (SF)	Lead Total (mg)	Lead Concentration (mg/SF)	Mercury Total (mg)	Mercury Concentration (mg/SF)
	Area 3						
1	Floor	10	1.25	1.9	1.5	0.40	0.32
	Area 6						
2	Floor	4	0.5	12.	24.	2.8	5.6
	Area 7						
3	Floor	6	0.75	0.54	0.72	0.14	0.19
	Area 8						
4	Floor	6	0.75	1.8	2.4	1.1	1.5
	Area 10						
5	Floor	10	1.25	1.8	1.4	1.0	0.80
6	Floor	10	1.25	2.0	1.6	0.98	0.78
	Average				1.5		0.79
7	Blank	6	0.75	BDL	BDL	BDL	BDL
8	Pit No. 2	4	0.5	1.5	3.0	0.35	0.70
	Area 13						
9	Floor	8	1.0	2.0	2.0	1.6	1.6

NOTE: BDL - Below Detectable Limits

#4495C

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-10

CALCULATIONS OF SURFACE CONCENTRATIONS
SAMPLE DATE OCTOBER 5, 1988

Sample Number	Surface	Wipe Number	Wipe Area (SF)	Lead Total (mg)	Lead Concentration (mg/SF)	Mercury Total (mg)	Mercury Concentration (mg/SF)
	Baghouses						
1	Interior	9	1.125	0.19	0.17	0.81	0.72
2	Interior	9	1.125	3.0	2.7	2.4	2.1
	Average				1.4		1.4
3	Exterior	9	1.125	0.14	0.12	0.48	0.43
	Cyclones						
4	Interior	6	0.75	9.9	13.	2.6	3.5
5	Exterior	6	0.75	0.14	0.19	0.087	0.12
	Room 52						
6	Floor	4	0.5	0.88	1.8	0.24	0.48
7	Wall	4	0.5	0.059	0.12	0.021	0.042
8	Ceiling	4	0.5	BDL	BDL	BDL	BDL
	Room 34						
9	Floor	4	0.5	0.43	0.86	0.025	0.05
10	Pit No. 1	4	0.5	2.2	4.4	1.6	3.2
11	Blank	6	0.75	BDL	BDL	BDL	BDL

NOTE: BDL - Below Detectable Limits

#4495C

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE B-11

CALCULATIONS OF SURFACE CONCENTRATIONS
SAMPLE DATE OCTOBER 24, 1988

Sample Number	Surface	Wipe Number	Wipe Area (SF)	Lead Total (mg)	Lead Concentration (mg/SF)	Mercury Total (mg)	Mercury Concentration (mg/SF)
	Area 5						
1	Floor	4	0.5	5.9	12.	0.63	1.3

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CHAIN OF CUSTODY RECORD

PROJECT NO: 425-1 | PROJECT NAME: DURACELL INC.

LABORATORY NAME: ESARCO INC

SAMPLE I.D NO.	DATE	TIME	COMP	GRAB	SAMPLE LOCATION / SAMPLING METHOD	NO OF CONTAINERS	ANALYSIS: LEAD	ANALYSIS: MERCURY	REMARKS: SAMPLE DESCRIPTION & OTHER ANALYSES
1	9/2				BOILER ROOM FLOOR 6 WIPES	1	X	X	
2	9/2				BOILER ROOM FLOOR 6 WIPES	1	X	X	
3	9/2				BOILER ROOM WALLS 6 WIPES	1	X	X	
4	9/2				BOILER ROOM CEILING 6 WIPES	1	X	X	
5	9/2				BOILER ROOM EQUIP. 10 WIPES	1	X	X	
6	9/2				2ND FLOOR RM 6H FL 4 WIPES	1	X	X	PRIORITY
7	9/2				AREA 3 FLOOR 4 WIPES	1	X	X	PRIORITY
8	9/2				BLANK 6 WIPES	1	X	X	
9	9/2				WEST FLOOR TRENCH 5 WIPES	1	X	X	
10	9/2				EAST FLOOR TRENCH 9 WIPES	1	X	X	
11	9/2				EAST FLOOR TRENCH 9 WIPES	1	X	X	
~~12~~	~~9/2~~				~~DUP Room 6 4 WIPES~~	~~1~~	~~X~~	~~X~~	
~~13~~	~~9/2~~				~~DUP Room 2 6 4 WIPES~~	~~1~~	~~X~~	~~X~~	
14	9/2				AHU 6 WIPES	1	X	X	

Shipped Via:

Relinquished by (Signature) / Printed Name	Date/Time	Agent of	Rec'd by (Signature) / Printed Name	Date/Time	Agent of
[illegible] / [illegible] PICKUP	9/2/88 4:30	EDER ASSOCIATES, PC	Ling Chen / Ling L. Chen	9/2/88 5:00pm	
Relinquished by (Signature) / Printed Name	Date/Time	Agent of	Rec'd by (Signature) / Printed Name	Date/Time	Agent of
Relinquished by (Signature) / Printed Name	Date/Time	Received for Laboratory by: (Signature) / Printed Name	Date/Time	Remarks:	

Sampler (Signature)

Samplers Name (Print)

eder associates, consulting engineers p.c.
85 FOREST AVE, LOCUST VALLEY, NEW YORK 11560

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
445-1	DURACELL, INC

LABORATORY NAME: ESATCO INC.

SAMPLE I.D. NO.	DATE	TIME	COMP	GRAB	SAMPLE LOCATION / SAMPLING METHOD	NO OF CONTAINERS	ANALYSIS: LEAD	ANALYSIS: MERCURY	REMARKS: SAMPLE DESCRIPTION & OTHER ANALYSES
15	9/2				BLANK 6 WIPES	1	X	X	

Shipped Via:

Relinquished by (Signature)	Date/Time	Agent of	Rec'd by (Signature)	Date/Time	Agent of
Printed Name: [illegible] PIERIDES	9/2/88 4:30	CDCS ASSOCIATES, PC	Printed Name: Ling L. Chiu	9/2/88 5:00pm	
Relinquished by (Signature)	Date/Time	Agent of	Rec'd by (Signature)	Date/Time	Agent of
Printed Name			Printed Name		
Relinquished by (Signature)	Date/Time	Received for Laboratory by (Signature)	Date/Time	Remarks:	
Printed Name		Printed Name			

Sampler (Signature): [illegible] Samplers Name (Print): [illegible]

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CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
425-1	DURACELL INC.

LABORATORY NAME: ESARCO Inc

SAMPLE I.D NO.	DATE	TIME	COMP	GRAB	SAMPLE LOCATION / SAMPLING METHOD	NO OF CONTAINERS	ANALYSIS: LEAD	ANALYSIS: MERCURY	REMARKS: SAMPLE DESCRIPTION & OTHER ANALYSES
1	9/13	12:00	X		9 wipes	1	X	X	
2	9/13	12:14	X		9 wipes	1	X	X	
3	9/13	12:30	X		9 wipes	1	X	X	
4	9/13	12:45	X		6 wipes	1	X	X	
5	9/13	1:00	X		6 wipes	1	X	X	
6	9/13	13:30	X		6 wipes	1	X	X	
7	9/13	14:15	X		4 wipes	1	X	X	

Shipped Via:

Relinquished by (Signature) [illegible]	Date/Time 9/13/13 15:00	Agent of EDER ASSOCIATES	Rec'd by (Signature) Ling Chen	Date/Time 9/13/13 3:10 pm	Agent of ESARCO
Printed Name KYRIACOS [illegible]			Printed Name Ling		
Relinquished by (Signature)	Date/Time	Agent of:	Rec'd by (Signature)	Date/Time	Agent of
Printed Name			Printed Name Ling L. Chen		
Relinquished by (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks:	
Printed Name		Printed Name			

Sampler (Signature) [illegible]

Samplers Name (Print) KYRIACOS [illegible]
JOE [illegible]

eder associates, consulting engineers p.c.
85 FOREST AVE, LOCUST VALLEY, NEW YORK 11560

CHAIN OF CUSTODY RECORD

PROJECT NO: 425-1
PROJECT NAME: DURACELL
LABORATORY NAME: ESARGO

SAMPLE I.D. NO.	DATE	TIME	COMP	GRAB	SAMPLE LOCATION / SAMPLING METHOD	NO OF CONTAINERS	ANALYSIS: LEAD	ANALYSIS: MERCURY	REMARKS: SAMPLE DESCRIPTION & OTHER ANALYSES
1	9/15/88	14:30			6 WIPES		✓	✓	
2	9/15/88	14:45			6 WIPES		✓	✓	
3	9/15/88	15:00			2 WIPES		✓	✓	
4	9/15/88	15:15			6 WIPES			✓	

Shipped Via:

	Date/Time	Agent of:	Rec'd by (Signature) / Printed Name	Date/Time	Agent of:
Relinquished by (Signature): [signature] / Printed Name: KYRIACOS PIERIDES	9/15/88				
Relinquished by (Signature) / Printed Name					

	Date/Time	Received for Laboratory by: (Signature) / Printed Name	Date/Time	Remarks:
Relinquished by (Signature) / Printed Name		Edward Shih / EDWARD SHIH	9/15/88 5:00pm	

Sampler (Signature): [signature]
Samplers Name (Print): [illegible]

CHAIN OF CUSTODY RECORD

Eder Associates, Inc [redacted]			SAMPLERS (Signature) [signature]						
STATION NUMBER	STATION LOCATION	DATE	TIME	SAMPLE TYPE: Water (Comp / Grab)	SAMPLE TYPE: Air	SEQ NO	NO OF CONTAINERS	ANALYSIS REQUIRED
1	DURACELL, N TARRYTOWN	9/22/93	12 15	wipe			4 wipes	Lead, Mercury
2	-11-	-11-	-11-	-11-			-11-	-11-
3	-11-	-11-	-11-	-11-			-11-	-11-
4	-11-	-11-	-11-	-11-			-11-	-11-
5	-11-	-11-	-11-	-11-			-11-	-11-

Relinquished by: (Signature) [signature]	Received by: (Signature) Edward [illegible]	Date/Time 9/22 12:30pm
Relinquished by: (Signature)	Relinquished by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Received by: (Signature)	Received by Mobile Laboratory for field [illegible]	Date/Time
Dispatched by: (Signature)	Received for Laboratory by:	Date/Time
Method of Shipment:		

Distribution: Orig. - Accompany Shipment
1 Copy - Sender's Coordinator Field Files

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CHAIN OF CUSTODY RECORD

PROJECT NO: 425-1
PROJECT NAME: DURACELL INC. - NORTH TARRYTOWN
LABORATORY NAME: ESARCO INC.

SAMPLE I.D. NO.	DATE	TIME	COMP	GRAB	SAMPLE LOCATION / SAMPLING METHOD	NO OF CONTAINERS	ANALYSIS: LEAD	ANALYSIS: MERCURY	REMARKS: SAMPLE DESCRIPTION & OTHER ANALYSES
1	9/28/88	1100	✓		AREA 1 / WIPE	1	✓	✓	
2	"	1130	✓		AREA 5 / "	1	✓	✓	
3	"	1200	✓		AREA 5 / "	1	✓	✓	
4	"	1400	✓		AREA 9 / "	1	✓	✓	
5	"	1415	✓		AREA 9 / "	1	✓	✓	
6	"	1430	✓		AREA 9 / "	1	✓	✓	
7	"	1500	✓		AREA 5B / "	1	✓	✓	
8	"	1530	✓		AREA 5B / "	1	✓	✓	
9	"	1600	✓		AREA 5B / "	1	✓	✓	
10	"	1630	✓		BLANK / "	1	✓	✓	

Shipped Via:

	Date/Time	Agent of:	Rec'd by (Signature) / Printed Name	Date/Time	Agent of:
Relinquished by (Signature) / Printed Name: John VALENTI	9/28/88 1700	EDER ASSOCIATES	Rec'd by (Signature): Edward Shih / Printed Name	9/28/88 5:25pm	
Relinquished by (Signature) / Printed Name			Rec'd by (Signature) / Printed Name		
Relinquished by (Signature) / Printed Name		Received for Laboratory by: (Signature) / Printed Name			

Sampler (Signature): [signature]
Samplers Name (Print): KYRIACOS PIERIDES

Remarks: To: Mr. Joseph Hellman

eder associates, consulting engineers p.c.
85 FOREST AVE, LOCUST VALLEY, NEW YORK 11560

CHAIN OF CUSTODY RECORD

PROJECT NO: 425-1
PROJECT NAME: DURACELL INC. - NORTH TARRYTOWN
LABORATORY NAME: C.T. MALE ASSOCIATES, P.C.

SAMPLE I.D NO.	DATE	TIME	COMP	GRAB	SAMPLE LOCATION / SAMPLING METHOD	NO OF CONTAINERS	ANALYSIS: LEAD	ANALYSIS: MERCURY	REMARKS: SAMPLE DESCRIPTION & OTHER ANALYSES
H-1	9/28/88	8:30	✓		Floors / 6 wipes	1	✓	✓	
H-1A	9/28/88	8:40	✓		Floors - Duplicate / 6 wipes	1	✓	✓	
H-2	9/28/88	9.00	✓		walls / 6 wipes	1	✓	✓	
H-3	9/28/88	9:15	✓		ceiling / 4 wipes	1	✓	✓	

Shipped Via:

	Relinquished by (Signature)	Date/Time	Agent of	Rec'd by (Signature)	Date/Time	Agent of
	Printed Name: KYRIACOS PIERIDES	9/28/88 17:00	EDER ASSOCIATES	Printed Name		
	Relinquished by (Signature)	Date/Time	Agent of	Rec'd by (Signature)	Date/Time	Agent of
	Printed Name			Printed Name		
	Relinquished by (Signature)	Date/Time	Received for Laboratory by (Signature)	Date/Time	Remarks:	
	Printed Name		Printed Name			

Sampler (Signature)

Samplers Name (Print): KYRIACOS PIERIDES

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85 FOREST AVE, LOCUST VALLEY, NEW YORK 11560

CHAIN OF CUSTODY RECORD

PROJECT NO: 425-
PROJECT NAME: DURACELL INC.-N TARRYTOWN
LABORATORY NAME: ESPARCO

SAMPLE ID NO	DATE	TIME	COMP	GRAB	SAMPLE LOCATION / SAMPLING METHOD	NO OF CONTAINERS	ANALYSIS: LEAD	ANALYSIS: MERCURY	REMARKS: SAMPLE DESCRIPTION & OTHER ANALYSES
1	10/3/89	9.30	✓		10 WIPES	1	✓	✓	
2	10/3/89	10.30	✓		4 WIPES	1	✓	✓	
3	10/3/89	11.00	✓		6 WIPES	1	✓	✓	
4	10/3/89	11.30	✓		6 WIPES	1	✓	✓	
5	10/3/89	15.00	✓		10 WIPES	1	✓	✓	
6	10/3/89	15.00	✓		10 WIPES	1	✓	✓	
7	10/3/89	16.30	✓		6 WIPES	1	✓	✓	
8	10/3/89	16.00	✓		4 WIPES	1	✓	✓	
9	10/3/89	13.00	✓		8 WIPES	1	✓	✓	

Shipped Via:

Relinquished by (Signature)	Date/Time	Agent of	Rec'd by (Signature)	Date/Time	Agent of
Printed Name: KYRIACOS PIERIDES	10/3/89 16.30	EDER ASSOCIATES	Printed Name	10/3/89 5PM	ESPARCO
Relinquished by (Signature)	Date/Time	Agent of	Rec'd by (Signature)	Date/Time	Agent of
Printed Name: JIM VALENTI			Printed Name		
Relinquished by (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks:	
Printed Name		Printed Name			

Sampler (Signature)

Samplers Name (Print): KYRIACOS PIERIDES

eder associates, consulting engineers p.c.
85 FOREST AVE, LOCUST VALLEY, NEW YORK 11560

CHAIN OF CUSTODY RECORD

PROJECT NO: 425-1 | PROJECT NAME: DURACELL

LABORATORY NAME: ESARCO LABORATORIES

SAMPLE ID NO.	DATE	TIME	COMP	GRAB	SAMPLE LOCATION / SAMPLING METHOD	NO OF CONTAINERS	ANALYSIS: LEAD	ANALYSIS: MERCURY	REMARKS: SAMPLE DESCRIPTION & OTHER ANALYSES
1	10/5/88		✓		BAGHOUSE / WIPE (9)	1	✓	✓	
2	"		✓		BAGHOUSE / WIPE (9)	1	✓	✓	
3	"		✓		BAGHOUSE / WIPE (9)	1	✓	✓	
4	"		✓		CYCLONE / WIPE (6)	1	✓	✓	
5	"		✓		CYCLONE / WIPE (6)	1	✓	✓	
6	"		✓		ROOM-52 / WIPE (4)	1	✓	✓	
7	"		✓		ROOM-52 / WIPE (4)	1	✓	✓	
8	"		✓		ROOM-52 / WIPE (4)	1	✓	✓	
9	"		✓		ROOM 34 / WIPE (4)	1	✓	✓	
10	"		✓		PIT #2 / WIPE (4)	1	✓	✓	
11	"		✓		BLANK / WIPE (6)	1	✓	✓	

Shipped Via:

Relinquished by (Signature)	Date/Time	Agent of	Rec'd by (Signature)	Date/Time	Agent of
Printed Name: J. VALENTI	10/5/88 1600	EDER ASSOCIATES	Printed Name: Ling L. Chen	10/5/88 4:20pm	
Relinquished by (Signature)	Date/Time	Agent of	Rec'd by (Signature)	Date/Time	Agent of
Printed Name			Printed Name		
Relinquished by (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks:	
Printed Name		Printed Name			

Sampler (Signature)

Samplers Name (Print)

eaer associates, consulting engineers p.c.
85 FOREST AVE, LOCUST VALLEY, NEW YORK 11560

CHAIN OF CUSTODY RECORD

PROJECT NO	PROJECT NAME
4251	DURACELL LI

LABORATORY NAME: ESMRC

SAMPLE I.D. NO.	DATE	TIME	COMP	GRAB	SAMPLE LOCATION / SAMPLING METHOD	NO OF CONTAINERS	ANALYSIS: LEAD	ANALYSIS: MERCURY	REMARKS: SAMPLE DESCRIPTION & OTHER ANALYSES
1	10/24/88	9:30	/		AIR 5 ft. (4 wipes)	1	✓	✓	

Shipped Via:

Relinquished by (Signature) [signature]	Date/Time 10/24/88 10:15	Agent of	Rec'd by (Signature) [signature]	Date/Time 10/24/88 10:15/0111	Agent of
Printed Name KYRIACOS PIERIDES			Printed Name [signature]		
Relinquished by (Signature)	Date/Time	Agent of	Rec'd by (Signature)	Date/Time	Agent of
Printed Name			Printed Name		
Relinquished by (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks:	
Printed Name		Printed Name			

Sampler (Signature) [signature]

Samplers Name (Print) KYRIACOS PIERIDES

ESARCO INC.

TEL (914) 591-9010

80 SOUTH BUCKHOUT STREET, IRVINGTON, N Y 10533

Sept. 12, 1988

Job: Eder - Duracell

Sample Date: 9/2/88
Date Received: 9/2/88 - 5:00pm

Sample Date	ID No & Location	Total Wipes per Sample	Mercury mg/total wiper	Lead mg/total wiper
I. Results:				
9-2-88				
	1-Boiler Room Floor	6	0.185	4.125
	2-Boiler Room Floor	6	0.007	1.203
	3-Boiler Rm. Walls	6	0.0003	0.604
	4-Boiler Rm. Ceiling	6	0.009	0.238
	5-Boiler Rm. Equipment	10	0.014	0.288
	6-2nd Fl., South Rm.64	4	0.045	0.288
	7-Area 3 Floor	4	0.002	18.510
	8-Blank	6	ND	ND
	9-West Floor Trench	9	0.139	3.830
	10-East Floor Trench	9	12.920	6.155
	11-East Floor Trench	9	2.940	9.750
	14-AHU	6	0.164	0.330
	15-Blank	6	ND	ND
II. Quality Control:				
	EPA 287		6.050ug/1 (3.85-6.25ug/1)	100ug/1 (85-115ug/1)
	Duplication # 7		0.001, 0.002 > 0.002	-
	Duplication #10		14.02, 11.82 > 12.92	6.31, 6.00 > 6.155
	Spike #10		101.8%	107.7%

ESARCO INC.

TEL: (914) 591-9010

60 SOUTH BUCKHOUT STREET, IRVINGTON, N.Y. 10533

Job: Eder - Duracell
Sample Date: 9/13 & 9/15/88
Subject: Lead & Mercury analyses
Sample Material: Wipes

Sample	ID	Total Wipes	Mercury T. Hg mg/t. wipes	Lead T. Pb mg/T.W.
9/13/88	1	9	1.087	7.253
	2	9	0.953	2.780
	3	9	0.185	5.438
	4	6	0.588	27.500
	5	6	0.005	0.525
	6	6	0.0003	ND
	7	4	0.009	1.260
9/15/88	1	6	0.0009	0.088
	2	6	0.0014	0.056
	3	9	0.0018	0.113
	4	6	0.0007	ND
EPA 287 (10ml/l)			6.63 ug/l (3.85-6.25 ug/l)	112 ug/l (85-115 ug/l)
Spike 9/13 #7 % Recory			85.7%	100.2%

ESARCO INC.

TEL: (914) 591-9010

60 SOUTH BUCKHOUT STREET, IRVINGTON, N.Y. 10533

Job: Eder-Duracell
Sample Date: 9/22/88
Sample Material & Analyses: Wipes for Pb & Hg

Sample ID	Total Wipes	Mercury T. Hg mg/total wipes	Lead T. Pb mg/t.w.
9/22/88 No. 1	4	0.036	0.150
2	"	0.192	0.338
3	"	0.100	0.063
4	"	0.050	0.025
5	"	ND	ND

ESARCO INC.

TEL (914) 591-9010

80 SOUTH BUCKHOUT STREET, IRVINGTON, N.Y. 10533

October 5, 1988

Project: Duracell
Sample Date: 9/28/88
Sample Material: wipe samples

Sample ID		Mercury T. Hg mg/t. wipes	Lead T.Pb mg/t.w.
9/28/88 - Duracell:			
No. 1	6 wipes	0.019	0.188
2	4 "	1.97	14.68
3	4 "	11.25	13.93
4	6 "	0.009	1.17
5	9 "	0.015	0.038
6	6 "	0.016	ND
7	4 "	0.061	0.300
8	6 "	0.061	0.188
9	4 "	0.006	ND
10	6 "	ND	ND
Duplicated No. 8		0.056 > 0.061 0.066	
9/23-23A soil sample			14.5 mg/kg > 13.4 12.3 "
Spiked % Recovery	9/28-#8	112.2%	9/23-24A 90.0%

YC

C.T. Male Associates, P.C.
Laboratory Analysis Report
OCTOBER 13, 1988

EDAT ASSOCIATES P.C.
85 FOREST AVENUE
LOCUST VALLEY NY 11560

Attention: MR. KYRIACOS PIERIDES

CTM PROJECT #: 88.XC12
No. samples analyzed: 4

CTM Task #: 88/9016

Purchase Order Number: 425-1
Date Sampled: 09/29/88 Time: 8:30 AM
Sampled By: KP
Sample Id: FLOOR 5 WIPES
Location: DURACELL INC.-NORTH TERRYTOWN

CTM Sample No: 9930 880 11
Date Received: 09/30/88
Collection Method:
Matrix: WIPE

Parameters and Standard Methodology Used		Results		Analyst Reference
TRACE METALS ON AIR FILTERS	NIOSH METHOD #7082	ME19		RC 10/5
MERCURY PREPARATION	SW-846 7471	HGPREP		RC 10/5
LEAD	EPA METHODS, 1979.239.1	170	MCG	DB M:24 10/12
MERCURY	EPA METHODS.1979.245.1	2.0	MCG	SB B:20 10/11

RECEIVED
AT EA
OCT 17 1988
FILE NO. ____
LIE ____ ETM ____
SJC ____ SHP ____
____ V.S.C.
OTHER KP

AUTHORIZED FOR RELEASE:

Tom Mikulka PhD

E.L.A.P. ID NO 10758
PHONE: 518 785-0976

ALL RESULTS ARE CALCULATED ON A DRY WEIGHT BASIS

LEGEND:

< = LESS THAN, > = GREATER THAN
MCG/G=PPM, NG G=PPB, MG L=PPM, MCG/L=PPB

C.T. Male Associates, P.C.
Laboratory Analysis Report
OCTOBER 13, 1988

EDER ASSOCIATES P.C.
85 FOREST AVENUE
LOCUST VALLEY NY 11560

Attention: MR. KYRIACOS PIERIDES

Purchase Order Number: 405-1
Date Sampled: 09 28 88 Time: 8:40 AM
Sampled By : KP
Sample Id: FLOOR5-DUPLICATE
Location : DUPACELL INC.-NORTH TERRYTOWN

CTM PROJECT #: 88.XX12
No. samples analyzed: 4

CTM Task #: 88:PIXG

CTM Sample No: 1971 889 02
Date Received: 09 30 88
Collection Method: COMPOSITE
Matrix: WIPE

Parameters and Standard Methodology Used		Results		Analyst Reference
TRACE METALS ON AIR FILTERS	NIOSH METHOD #7082	MFIS		RC 11 5
MERCURY PREPARATION	SW-846 7471	HGPREP		RC 11 5
LEAD	EPA METHODS, 1979.239.1	210	MCG	DE M:24 10/12
MERCURY	EPA METHODS.1979.245.1	0.46	MCG	SE B:30 10/11

AUTHORIZED FOR RELEASE: TOM Mikulka PhD

LEGEND:

E.L.A.P. ID NO 10358
PHONE: 518 785-0976

ALL RESULTS ARE CALCULATED ON A DRY WEIGHT BASIS

< = LESS THAN, > = GREATER THAN
MCG/G=PPM, NG/G=PPB, MG/L=PPM, MCG/L=PPB

EDER ASSOCIATES P.C.
85 FOREST AVENUE
LOCUST VALLEY NY 11560

Attention: MR. PYTHAGOS PIERIDES

CTM PROJECT #: 88.00120
No. samples analyzed: 4

CTM Task #: 8819206

Purchase Order Number: 425-1
Date Sampled: 09/28/88 Time: 5:00 PM
Sampled By : KP
Sample Id: WALLS/S WIPES
Location : DURACELL INC.-NORTH TERRYTOWN

CTM Sample No: 8809 880 03
Date Received: 09/30/88
Collection Method: COMPOSITE
Matrix: WIPE

Parameters and Standard Methodology Used		Results		Analyst Reference
TRACE METALS ON AIR FILTERS	NIOSH METHOD #7300	MF19		RC 10/5
MERCURY PREPARATION	SW-846 7471	HGPREP		RC 10/5
LEAD	EPA METHODS, 1979.239.1	28	MCG	DB M:24 10/12
MERCURY	EPA METHODS,1979.245.1	5.7	MCG	SB B:20 10/11

AUTHORIZED FOR RELEASE: TOM Mikulka PhD

LEGEND:

E.P.A. ID NO 10258
PHONE: 518 785-0976

ALL RESULTS ARE CALCULATED ON A DRY WEIGHT BASIS

< = LESS THAN, > = GREATER THAN
MCG/G=PPM, NG/G=PPB, MG/L=PPM, MCG/L=PPB

EDER ASSOCIATES P.C.
85 FOREST AVENUE
LOCUST VALLEY NY 11560

Attention: MR. KYRIACOS PIERIDES

CTM PROJECT #: 88.00120
No. samples analyzed: 4

CTM Task #: 88FD06

Purchase Order Number: 425-1
Date Sampled: 09 28 88 Time: 9:15 AM
Sampled By : KP
Sample Id: CEILING 4 WIPES
Location : DURACELL INC.-NORTH TERRYTOWN

CTM Sample No: 0970 88G 04
Date Received: 09 30 88
Collection Method: COMPOSITE
Matrix: WIPE

Parameters and Standard Methodology Used		Results		Analyst Reference
TRACE METALS ON AIR FILTERS	NIOSH METHOD #7082	MF19		RC 10/5
MERCURY PREPARATION	SW-846 7471	HGPREP		RC 10/5
LEAD	EPA METHODS, 1979.239.1	<5.0	MCG	DB M:24 10/12
MERCURY	EPA METHODS,1979.245.1	1.8	MCG	SB B:20 10/11

AUTHORIZED FOR RELEASE: Tom Mikulka PhD

LEGEND:

E.L.A.P. ID NO 10358
PHONE: 518 785-0976

ALL RESULTS ARE CALCULATED ON A DRY WEIGHT BASIS

< = LESS THAN, > = GREATER THAN
MCG/G=PPM, NG/G=PPB, MG/L=PPM, MCG/L=PPB

ESARCO INC.

TEL: (914) 591-9010

50 SOUTH BUCKHOUT STREET, IRVINGTON, N.Y. 10533

October 13, 1988

Project: Duracell
Sample Date: 10/3 & 10/5/88
Sample Material: wipe samples

Sample ID		T. Hg	Mercury mg/t. wipes	T. Pb	Lead mg/t. wipes
10/3/88: No.	1 - 10 wipes		0.396		1.86
	2 - 4 "		2.83		11.54
	3 - 6 "		0.137		0.538
	4 - 6 "		1.07		1.77
	5 - 10 "		1.00		1.81
	6 - 10 "		0.98		2.00
	7 - 6 "		ND		ND
	8 - 4 "		0.35		1.52
	9 - 8 "		1.56		2.04
10/5/88: No.	1 - 9 "		0.807		0.187
	2 - 9 "		2.40		3.00
	3 - 9 "		0.485		0.137
	4 - 6 "		2.62		9.85
	5 - 6 "		0.087		0.137
	6 - 4 "		0.240		0.878
	7 - 4 "		0.021		0.059
	8 - 4 "		ND		ND
	9 - 4 "		0.025		0.429
	10 - 4 "		1.596		2.18
	11 - 6		ND		ND
10/24: No.	1 - 4 "		0.632		5.89
Spike 10/3 No. 9			89.9%		109.9%
% Recovery 10/5 No. 1			-		99.4%

J.C.

APPENDIX C

BUILDING SURFACE METAL CALCULATIONS

DURACELL INC.

NORTH TARRYTOWN, NEW YORK

TABLE C-1

BUILDING SURFACE METALS

AFTER CLEANING

Area	Reference Table	Lead	Mercury
1	C-2	5,600	670
2	C-3	2,700	270
3	C-4	49,000	14,000
4	C-5	1.	71.
5	C-6	8,300	960.
6	C-7	35,000	8,300
7	C-8	13,000	1,700
8	C-9	8,900	5,100
9	C-10	2,900	120.
10	C-11	89,000	13,000
11	C-12	8,900	10,000
12	C-13	99,000	10,000
13	C-14	18,000	13,000
14	C-15	5,000	190.
15	C-16 & C-17	820.	159.
TOTAL		346,121	77,540
		(0.8 lbs)	(0.2 lbs)

NOTE: Units are mg except as noted.

DURACELL INC.

NORTH TARRYTOWN, NEW YORK

TABLE C-2

BUILDING SURFACE METALS

AREA 1

AFTER CLEANING

Surface	Area (Square Feet)	Lead		Mercury	
		Concentration (mg/SF)	Quantity (mg)	Concentration (mg/SF)	Quantity (mg)
Floor	2,500.	0.25	625.	0.025	63.
Walls	10,300.	0.04	410.	0.0003	3.
Shelf[(a)]	25.	0.78	20.	1.2	30.
Ceiling					
Underside	2,500.	0.03	75.	0.001	3.
Topside[(b)]	2,200.	1.04	2,300.	0.10	220.
Room 4	300.	2.59	780.	0.65	200.
Insulation[(b)]	2,200.	0.43	950.	0.05	110.
Roof					
Underside[(c)]	3,750.	0.11	410.	0.01	38.
Total			5,570.		667.

Note:

(a) 1% of floor area.
(b) All rooms except Room 4 have insulation above plasterboard ceiling.
(c) 150% of floor area.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE C-3

BUILDING SURFACE METALS
AREA 2
AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Floor					
Exposed	2,600.	0.12	312.	0.0012	3.
Concealed	200.	2.70	540.	0.17	34.
Walls					
Exposed	12,400.	0.04(c)	500.	0.0003(c)	4.
Concealed	5,800.	0.1	580.	0.01	58.
Shelf(a)	28.	1.2	34.	0.56	16.
Ceiling(b)					
Underside	230.	0.03(c)	7.	0.001(c)	0.
Topside	230.	2.59(c)	600.	0.65(c)	150.
Second Floor					
Underside					
Exposed	2570.	0.03(c)	77.	0.001(c)	3.
Concealed	230.	0.11(c)	25.	0.01(c)	2.
Total			2,675.		270.

Notes:
(a) 1% of total floor area.
(b) Rooms 21 (partial) and 22 have plasterboard ceilings.
(c) Estimated data based on Area 1.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE C-4

BUILDING SURFACE METALS
AREA 3
AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Floor	16,000.	1.5	24,000.	0.32	5,120.
Wall	21,500.	0.10(e)	2,200.	0.01(e)	220.
Shelf(a)	320.	2.2	700.	3.7	1,200.
Ceiling					
Underside	16,000.	0.24	3,800	0.03	480.
Topside(b)	6,000.	2.10	13,000	0.37	2,200.
Insulation(b)	6,000.	0.45	2,700.	0.68	4,100.
Shelf(c)	300.	4.76	1,400.	0.37	110.
Roof					
Underside(d)	9,000.	0.16	1,400.	0.02	180.
Total			49,200.		13,610.

Notes:

(a) 2% of floor area.
(b) East part has plasterboard ceiling with insulation above.
(c) 5% of ceiling area.
(d) 150% of ceiling area.
(e) Average value.

DURACELL INC.

NORTH TARRYTOWN, NEW YORK

TABLE C-5

BUILDING SURFACE METALS

AREA 4

AFTER CLEANING

Surface	Area (Square Feet)	Lead		Mercury	
		Concentration (mg/SF)	Quantity (mg)	Concentration (mg/SF)	Quantity (mg)
Floor	750.	BDL	--	0.03	23.
Wall	1,800.	BDL	--	0.003	5.
Ceiling					
Shelf	37.5	0.03	1.	0.25	9.4
Roof					
Underside[(b)]	1,125.	BDL	--	0.03	34.
Total			1.		71.

Notes:

This room was cleaned in 1986 and surface metal concentrations are presented in the report "Test Cleaning Documentation Report", January 1987.

(a) 5% of floor area.
(b) 150% of floor area.
(c) Estimated data.
BDL - Below detectable limits.

DURACELL INC.

NORTH TARRYTOWN, NEW YORK

TABLE C-6

BUILDING SURFACE METALS

AREA 5

AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Floor	620.	12.	7440.	1.3	806.
Wall	1,600.	0.1[d]	160.	0.01[d]	16.
Shelf[f]	6.	56.	340.	.56	3.
Ceiling					
Underside	620.	N.D.[e]	--	0.02[e]	12.
Topside	620.	0.12[e]	74.	0.02[e]	12.
Insulation	620.	0.31[e]	190.	0.12[e]	74.
Shelf[b]	31.	3.60[e]	110.	0.47[e]	15.
Roof					
Underside[c]	930.	0.03[e]	28.	0.02[e]	19.
Total			8342.		957.

Notes:

(a) 5% of floor area.
(b) 150% of floor area.
(c) Estimated data.
(d) Estimated data based on Area 4.
(f) 1% of floor area.
BDL - Below detectable limits.

DURACELL INC.

NORTH TARRYTOWN, NEW YORK

TABLE C-7

BUILDING SURFACE METALS

AREA 6

AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Floor	1,360.	24.	32,640.	5.6	7,616.
Wall	2,800.	0.1[d]	280.	0.01[d]	28.
Shelf[a]	136.	5.5	750.	2.8	380.
Ceiling					
Underside	1360.	N.D.[e]	--	0.02[e]	27.
Topside	1360.	0.12[e]	160.	0.02[e]	27.
Insulation	1360.	0.31[e]	420.	0.12[e]	160.
Shelf[b]	68.	3.60[e]	240.	0.47[e]	32.
Roof					
Underside[c]	2040.	0.03[e]	61.	0.02[e]	41.
Total			34,551.		8,311.

Notes:

(a) 10% of floor area and assumes 50% contamination reduction.
(b) 5% of floor area.
(c) 150% of floor area.
(d) Estimated data.
(e) Estimated data based on Area 4.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE C-8

BUILDING SURFACE METALS
AREA 7
AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Floor	1,950.	0.72	1,404.	0.19	371.
Wall	4,500.	0.1[a]	450.	0.01[a]	45.
Shelf[d]	20.	2.2	44.	4.5	900.
Ceiling					
Underside	1950.	BDL	--	0.001	2.
Topside[b]	1650.	0.71	1,200.	0.06	99.
Insulation[b]	1650.	1.12	1,800.	0.14	230.
Shelf[a]	80.	0.80	64.	0.13	10.
Roof					
Underside[c]	1650.	4.9	8,100.	0.008	13.
Total			13,062.		1,670.

Notes:

(a) 5% of floor area.
(b) Rooms 28 and 40 have plasterboard ceilings.
(c) 150% of floor area.
(d) Estimated data.

DURACELL INC.

NORTH TARRYTOWN, NEW YORK

TABLE C-9

BUILDING SURFACE METALS

AREA 8

AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Floor	3,300.	2.4	7,920.	1.5	4,950.
Wall	7,900.	0.05[b]	400.	0.006[b]	47.
Shelf[a]	165.	1.7[c]	280.	0.21[c]	35.
Second Floor Underside	3,300.	0.1[c]	330.	0.02[c]	66.
Total			8,930.		5,098.

Notes:

(a) 5% of floor area.
(b) Estimated data based on Area 9.
(c) Estimated data.

DURACELL INC.

NORTH TARRYTOWN, NEW YORK

TABLE C-10

BUILDING SURFACE METALS

AREA 9

AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Floor	1,660.	1.6	2,656.	0.012	20.
Wall	4,500.	0.034	153.	0.013	58.
Shelf[a]	17.	2.7[b]	46.	0.61[b]	10.
Second Floor					
Underside	1,660.	BDL	--	0.021	35.
Total			2,855.		123.

Notes:

(a) 1% of floor area.
(b) Estimated data.
BDL Below detectable limits.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE C-11

BUILDING SURFACE METALS
AREA 10
AFTER CLEANING

Surface	Area (Square Feet)	Lead		Mercury	
		Concentration (mg/SF)	Quantity (mg)	Concentration (mg/SF)	Quantity (mg)
Floor	14,000.	1.5	21,000.	0.79	11,060.
Wall	16,000.	3.41	55,000.	0.07	1,100.
Shelf[a]	3,000.	3.6	11,000.	0.32	960.
Ceiling[b]					
Underside	2,300.	0.1	230.	0.01	23.
Roof					
Underside	14,000.	0.1[c]	1,400.	0.02[c]	280.
Total			88,630.		13,423.

Notes:

(a) 5% of floor area plus interior roof area assuming 50% of concentration reduction..
(b) Underside of interior roofs.
(c) Estimated data.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE C-12

BUILDING SURFACE METALS
AREA 11
AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Area 11					
Floor	3,900.	0.075	292.	0.0019	7.
Walls	2,600.	0.05(d)	130.	0.005(d)	13.
Ceiling	3,900.	0.05(d)	200.	0.005(d)	20.
Area 11a(a)	4,600	0.06	280.	0.08	370.
Area 11b(b)	7,100.	0.17	1,200.	0.11	780.
Area 11c(c)	3,700.	1.4	5,200.	2.4	8,900.
Concealed Floor	124.	2.70(d)	330.	0.17(d)	21.
Concealed Walls	9,000.	0.1(d)	900.	0.01(d)	90.
Roof					
Underside	3,800.	0.1(d)	380.	0.02(d)	76.
Total			8,912.		10,277.

Notes:

(a) Supply air plenum.
(b) Return air plenum and Room 56.
(c) Crawl space floor.
(d) Estimated data.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE C-13

BUILDING SURFACE METALS
AREA 12
AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Floor					
Exposed	9,145.	0.11	1,006.	0.0018	16.
Concealed	135.	2.7(b)	360.	0.17(b)	23.
Walls					
Exposed	14,500.	0.09	1,300.	0.006	87.
Concealed	4,300.	0.1(b)	430.	0.01(b)	43.
Shelf	91.	0.91	83.	0.35	32.
Ceiling					
Underside	9,280.	0.02	190.	0.002	19.
Topside	9,280.	10.1	94,000.	1.1	10,000.
Roof					
Underside	9,280.	0.17	1,600.	0.009	84.
Total			98,969.		10,304.

Notes:

(a) 1% of floor area.
(b) Estimated data.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE C-14

BUILDING SURFACE METALS
AREA 13
AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Floor	8,000.	2.0	16,000.	1.6	12,800.
Walls	400.	0.1[b]	40.	0.01[b]	4.
Roof Underside[a]	16,000.	0.1[b]	1,600.	0.02[b]	320.
Total			17,640.		13,124.

Notes:

(a) 200% of floor area.
(b) Estimated data.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE C-15

BUILDING SURFACE METALS
AREA 14
AFTER CLEANING

Surface	Area (Square Feet)	Lead Concentration (mg/SF)	Lead Quantity (mg)	Mercury Concentration (mg/SF)	Mercury Quantity (mg)
Floor	980.	3.6	3,528.	0.13	127.
Walls	1,400.	0.8	1,120.	0.0004	1.
Shelf	490.[(a)]	0.1	49.	0.1	49.
First Floor Underside	980.	0.32	314.	0.012	12.
Total			5,011.		189.

Notes:

(a) 50% of floor area.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

TABLE C-16

BUILDING SURFACE METALS
AREA 15
HAZARDOUS WASTE STORAGE FACILITY
AFTER CLEANING

Surface	Area (Square Feet)	Lead		Mercury	
		Concentration (mg/SF)	Quantity (mg)	Concentration (mg/SF)	Quantity (mg)
Floor[(a)]	906.	0.26	236.	0.0017	2.
Walls	860.	0.052	44.	0.0076	7.
Roof					
Underside	306.	BDL	-	0.0036	1.
Total			280.		9.

Notes:

(a) Includes exterior pad.

DURACELL INC.
NORTH TARRYTOWN, NEW YORK

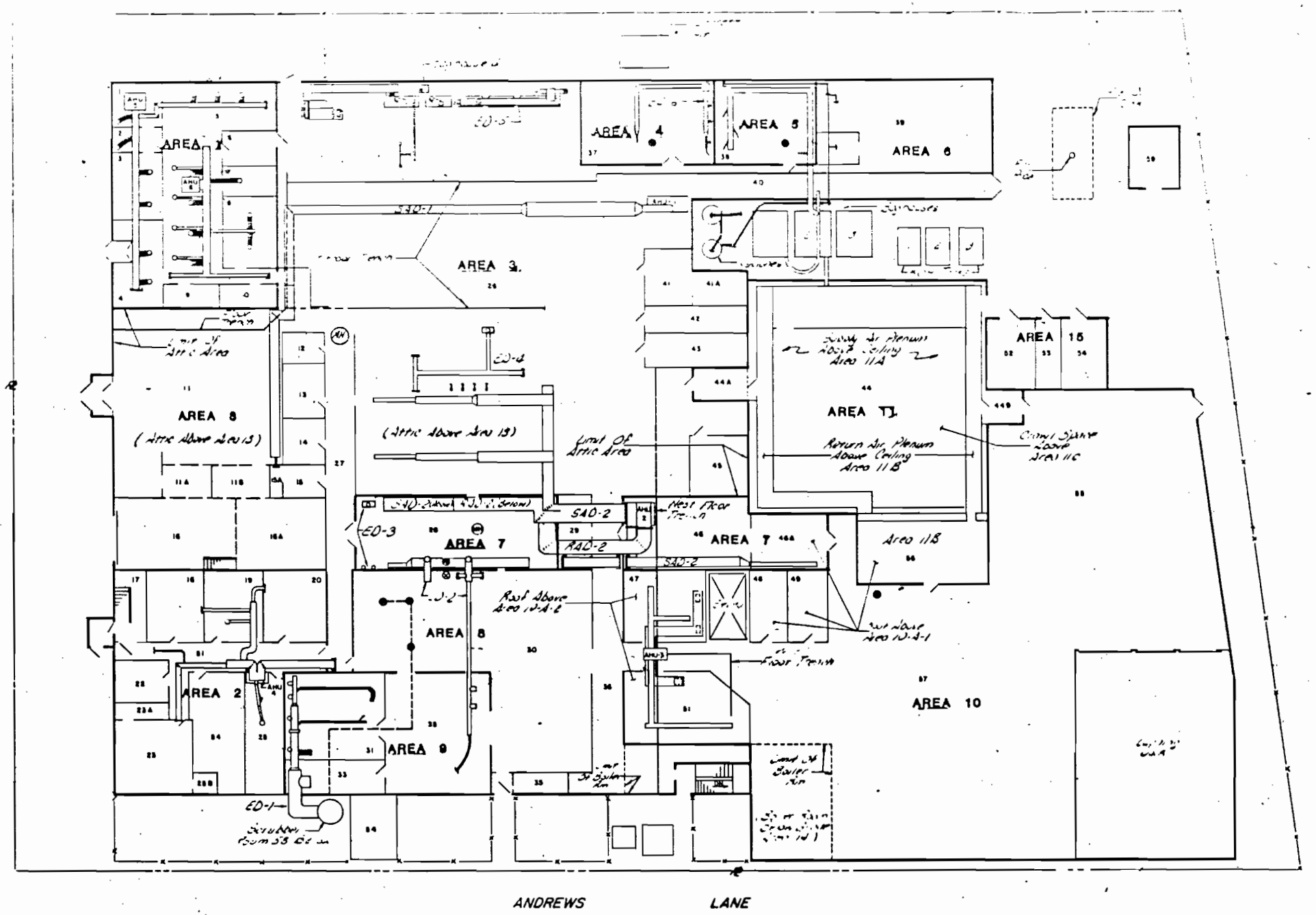
TABLE C-17

BUILDING SURFACE METALS
AREA 15
ROOM 52
AFTER CLEANING

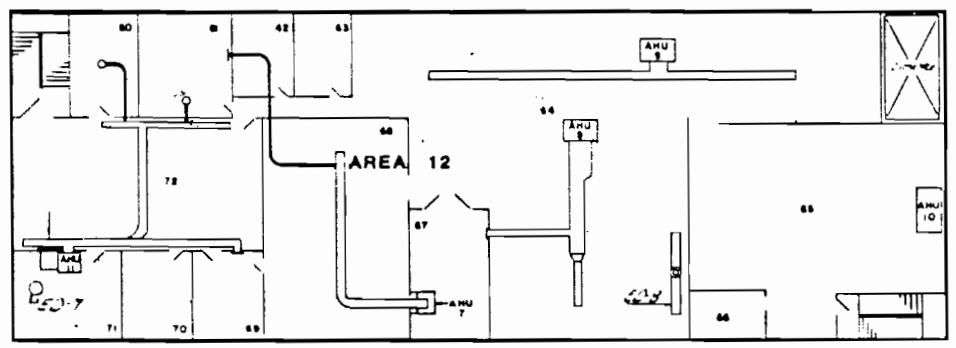
Surface	Area (Square Feet)	Lead		Mercury	
		Concentration (mg/SF)	Quantity (mg)	Concentration (mg/SF)	Quantity (mg)
Floor	264.	1.8	475.	0.48	127.
Walls	540.	0.12	65.	0.042	23.
Roof					
Underside	264.	BDL	--	BDL	--
Total			540.		150.

Notes:

BDL - Below detectable limit.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

LEGEND

- Floor Drain
- Urinal
- Exhaust Fan
- Cove Base Trim
- AHU — Air Handling Unit
- 28 — Room Number
- SAD — Supply Air Duct
- RAD — Return Air Duct
- ED — Exhaust Duct

0 4 8 16 32

SCALE

BUILDING CLEANING DOCUMENTATION REPORT

DURACELL INC
NORTH TARRYTOWN, NEW YORK

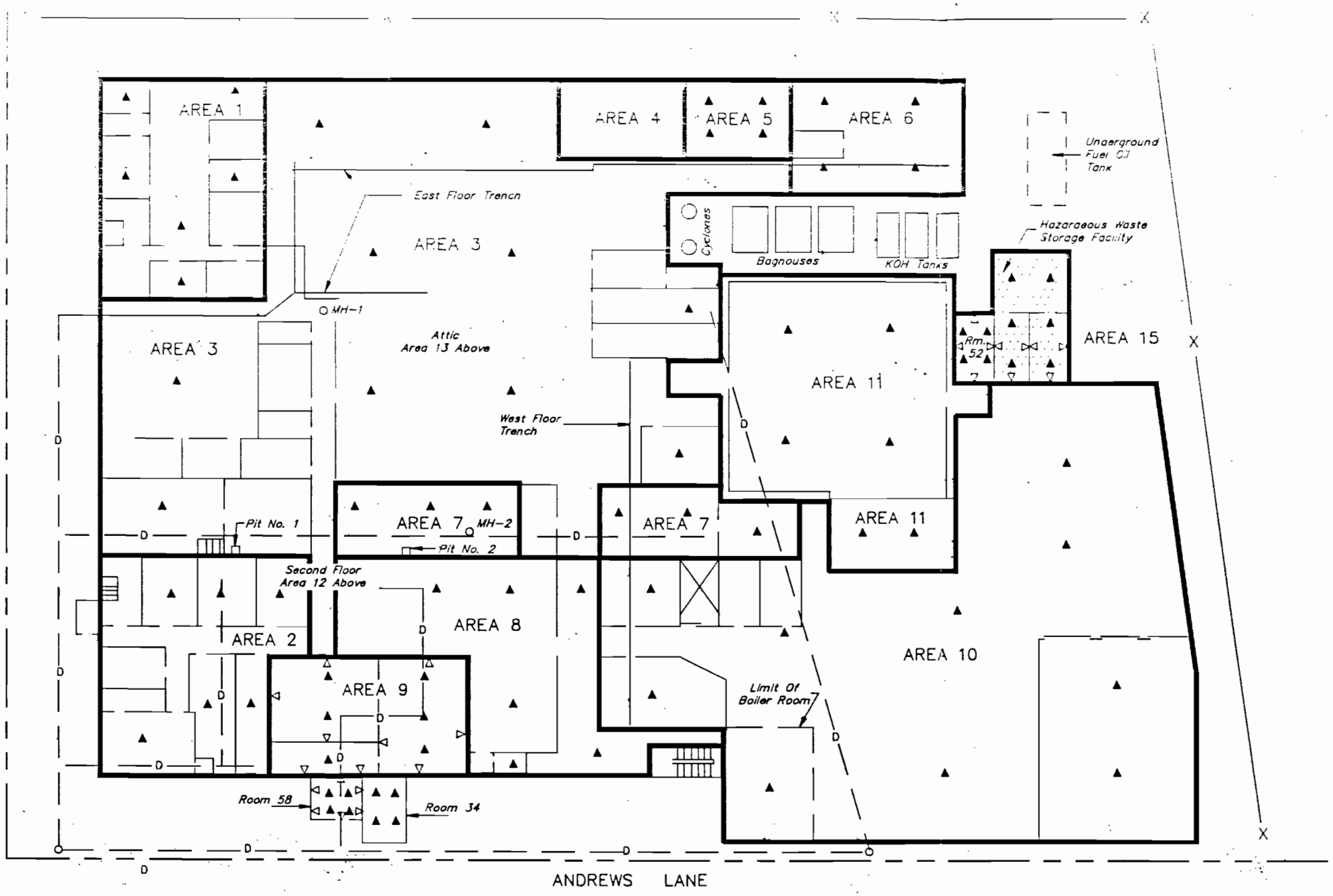
eder associates consulting engineers, p.c.

PROJECT
BUILDING CLEANING
DOCUMENTATION REPORT
DURACELL INC
NORTH TARRYTOWN, NEW YORK

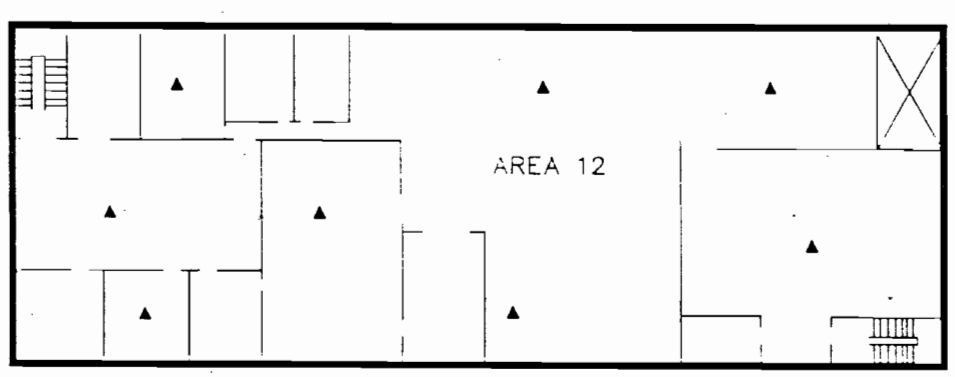
TITLE
BUILDING CONDITIONS
PRIOR TO CLEANING

eder associates consulting engineers, p.c.
65 FOREST AVENUE, LOCUST VALLEY, NEW YORK, 11560

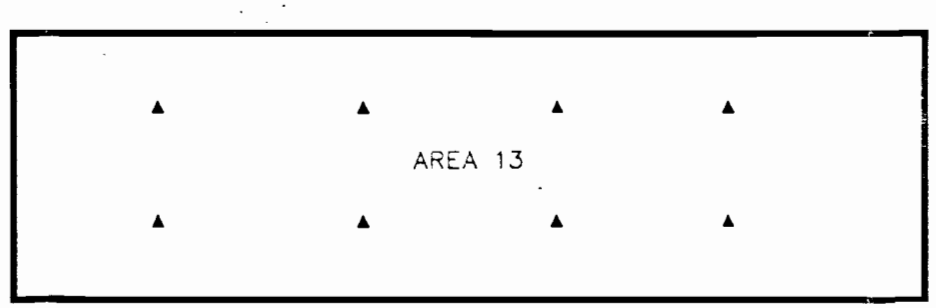
DRAWN BY EJD	SCALE 1/16"=1'-0"
DESIGNED BY EJD	PROJECT NO 885-1
APPROVED BY EJD	DWG NO 1
DATE November 1988	



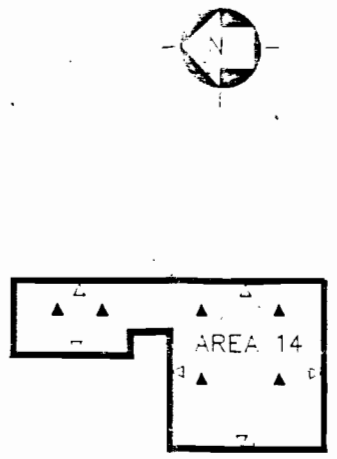
FIRST FLOOR PLAN



SECOND FLOOR PLAN



ATTIC PLAN



BOILER ROOM PLAN

LEGEND

—D— BUILDING DRAIN LINES

▲ FLOOR, CEILING WIPE SAMPLE

△ WALL WIPE SAMPLE

16' 8' 0 16'

SCALE

425-1F

BUILDING CLEANING DOCUMENTATION REPORT

DURACELL INC.

NORTH TARRYTOWN, NEW YORK

eder associates consulting engineers, p.c.

PROJECT

BUILDING CLEANING DOCUMENTATION REPORT

DURACELL INC.

NORTH TARRYTOWN, NEW YORK

TITLE

BUILDING CONDITIONS AFTER CLEANING AND SAMPLING LOCATIONS

eder associates consulting engineers, p.c.

85 FOREST AVENUE LOCUST VALLEY, N.Y. 11560

2317 INTERNATIONAL LANE MADISON, WI. 53704

DRAWN BY MSA	SCALE 1/16"=1'-0"
DESIGNED BY JBH	PROJECT No. 425-1
APPROVED BY GAR	DWG. No 2
DATE NOVEMBER, 1988	