

016295

2 of 2

NONRADIOACTIVE DANGEROUS WASTE LANDFILL
INTERNAL SHIPPING DOCUMENTS - MANIFESTS
CATEGORIZED PACKAGE
FOR YEAR 1984

9112240373

BEST AVAILABLE COPY

DISPOSAL PACKET NUMBER

P84-051

91122430374

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

PNL-83-026

GENERATION: The Generator should complete Part I and forward this form to:

WS&DT
202-S/200 West
Rockwell

6-9

A. Generator's Name: Jeene Hobbs Phone: 6-1631 Address: 3782/300 Area Company: PNL

B. Custodian's Name: Bill Rossitor Phone: 6-5946 Address: 325/300 Area Company: PNL

C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. Sodium nitrite	18 drums	DOT-17H-55	18	X			<u>Oxidizer</u>
X (the chemical is in fiberboard drums. They have been put inside the 55 gal metal ones.)							
2. Nickel, hydrated		DOT-17H-55	10	X			
X (The chemical is in plastic bags app 100#. These bags are being put into a lined metal drum. The liner is probably 4 or 8 mil poly.)							

D. Have appropriate labels been affixed to containers? Not required Labels will be applied as necessary.

E. Have efforts been made to recycle (e.g., excess) waste? yes

F. Has waste been treated in any manner? no If so, how? _____

Storage Location: JA Jones lot/3000 Area Contact Rossitor for exact location

I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge. Survey Card Number: _____

Generator's Signature: Jeene Hobbs *Jeene Hobbs* Date: 1 November 83

II. APPROVAL

A. Approved for disposal by Name: H. C. Boynton Phone: 3-3516 Address: 2750-F Co. Rockwell
Date: 6/11/84 Signature: *H. C. Boynton*

B. Packaging Requirements (specify): Refer to disposal analysis 6-9

C. Disposal Location: X Chemical Trench, _____ Asbestos Trench,
(check one) _____ 212-P (Storage), _____ Other

III. TRANSPORTATION/DISPOSAL

Transporter's Name: _____ Phone: _____ Address: _____ Company: _____

D. Date Transported/Disposed: 6/11/84

000074

911220375

HAZARDOUS WASTE MANIFEST

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

MANIFEST DOCUMENT NUMBER

PNL-M-84-002

This document refers to disposal request #PNL-83-026. *Disposal approval #6-9.*

TO: T/S/D FACILITY Rockwell Hanford Operations	FROM: Generator Battelle - PNL
E.P.A. ID Code No. WA-89-000-8967	E.P.A. ID Code No. WA-89-000-8967
Address Richland, WA 99352	Address Richland, WA 99352
Destination Central Landfill - Chemical trench	Origin JAJones lot/3000 Area
Phone Harlan Boynton 373-3516	Phone Jeene Hobbs 376-1631

Quantity	PROPER SHIPPING NAME	HAZARD CLASS	UN	EPA Waste Code	WEIGHT	LABELS REQUIRED (or Exemption No.)
18	Waste Sodium nitrite	Oxidizer	UN1500	D003		Oxidizer
10	Waste Nickel, hydrated	ORM-E	NA9140	NA		None
<p><i>18 DRUMS of Sodium Nitrite at 46.5 on total 8370.16</i></p> <p><i>10 DRUMS of Nickel, Hydrated 332.0 300, 353, 340, 239</i></p> <p><i>355, 364, 260, 292 + 342 → 3177.16</i></p>						

PLACARDS REQUIRED

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

FREIGHT CHARGES
PREPAID COLLECT

RECEIVED: Subject to the classifications and terms in effect on the date of the issue of this Bill of Lading, the property described above in accordance with the applicable regulations of the Department of Transportation and the E.P.A. is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY <u>none</u>	CONTACT Name <u>Jeene Hobbs</u>
E.P.A. ID Code No. _____	Phone <u>376-1631</u>
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature Jeene Hobbs *Jeene M Hobbs* Date 7-16-84

TRANSPORTER #1 U S W E.P.A. ID No. _____
 Address 1171 Bldg 1100 Area
 City Richland WA State WA Zip 99352 Phone 376-8860

Transporter No. 1 This is to certify acceptance of the hazardous waste shipment.
 Signature _____ Date _____

TRANSPORTER #2 _____ E.P.A. ID No. _____
 Address _____
 City _____ State _____ Zip _____ Phone _____

Transporter No. 2 This is to certify acceptance of the hazardous waste shipment.
 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY
 T/S/D FACILITY This is to certify acceptance of the hazardous waste for treatment, storage, or disposal
 Signature W E Fisher Date 7-19-84

ORIGINAL - RETURN TO GENERATOR

9112210376

000075



Rockwell
International

Ms. J. M. Hobbs

Page 2

JUN 13 1984

Should you require further assistance regarding the disposition of wastes listed on Disposal Request 6-9, please contact me on 3-3516.

Very truly yours,

H. C. Boynton, Engineer
Solid Waste Processing & Disposal Unit

HCB/njb

Att.

cc: G. C. Cox - Rockwell, w/att
A. D. Poor - Rockwell, w/att

000076

91122430377

Rockwell Hanford Operations
Energy Systems Group
P.O. Box 800
Richland, WA 99352



Rockwell
International

In reply refer to letter R84-2063

JUN 13 1984

Ms. J. M. Hobbs
Development Engineer
Laboratory Safety Department
Pacific Northwest Laboratory
P. O. Box 999
Richland, Washington 99352

Dear Ms. Hobbs:

APPROVED DISPOSAL REQUEST 6-9 (PNL-83-026)

Reference: Application to Dispose of Non-Radioactive Hazardous Waste,
November 1, 1984, J. M. Hobbs

Rockwell Hanford Operations (Rockwell) has completed review of the referenced Disposal Request for bulk useless chemicals. The disposal methods for these wastes are prescribed on the attached Disposal Request Analysis.

All packaging, labeling and marking of waste reagents shall be completed in accordance with Department of Transportation (DOT) regulations (49 CFR 171-179). A Hazardous Waste Manifest is required to accompany all waste shipments in accordance with 40 CFR 263.

Arrangements for transporting onsite disposal packages directly to the Hanford Non-Radioactive Hazardous Waste Disposal Trench is a generator responsibility and may be implemented upon compliance with the stated disposal request instructions and Hazardous Waste Manifest requirements.

Inspection by Rockwell of package content and integrity will be made as required to certify waste is disposed of in the manner described in the burial analysis. Failure to package in the manner described in the burial analysis will result in suspension of disposal privileges by the offending facility.

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911223078

ONSITE DISPOSAL - Waste reagents listed on the following page are to be properly packaged and manifested for disposal at the Hanford Non-Radioactive Hazardous Waste Chemical Trench. It would appear from the disposal request 6-9 that these wastes are already packaged in accordance with Department of Transportation (DOT) regulations (49 CFR 171-179).

Instruction for Packaging, Labeling and Marking:

- o Reagents must be placed in strong tight metal container(s), e.g., 10-, 30- or 55-gallon drums.
- o Insert packing material must be used to separate individual containers within the overpack, eg. Kitty Litter or Vermiculite.
- o The DOT Hazard Class label (oxidizer) must be applied to the lab pack containing sodium nitrite.
- o A weatherproof listing of the reagents must be applied to the overpack; e.g., a protected cutout of the reagent data information which includes shipping name, DOT identification and Disposal Analysis number 6-9 may be fixed to to each overpack.
- o Mark on the overpack lid "This side up".
- o Mark the weight of the drum if drum exceeds 110 lbs.
- o Mark a package identification number which correlates with the Hazardous Waste Manifest information.

000078

254-2063

WORKING COPY NO

REPLY DUE

Rockwell Hanford Operations
 Energy Systems Group
 P.O. Box 800
 Richland, WA 99352



Rockwell
 International

In reply refer to letter R84-2063

JUN 13 1984

Ms. J. M. Hobbs
 Development Engineer
 Laboratory Safety Department
 Pacific Northwest Laboratory
 P. O. Box 999
 Richland, Washington 99352

Dear Ms. Hobbs:

APPROVED DISPOSAL REQUEST 6-9 (PNL-83-026)

Reference: Application to Dispose of Non-Radioactive Hazardous Waste,
 November 1, 1984, J. M. Hobbs

Rockwell Hanford Operations (Rockwell) has completed review of the
 referenced Disposal Request for bulk useless chemicals. The disposal
 methods for these wastes are prescribed on the attached Disposal Request
 Analysis.

All packaging, labeling and marking of waste reagents shall be completed
 in accordance with Department of Transportation (DOT) regulations (49
 CFR 171-179). A Hazardous Waste Manifest is required to accompany all
 waste shipments in accordance with 40 CFR 263.

Arrangements for transporting onsite disposal packages directly to the
 Hanford Non-Radioactive Hazardous Waste Disposal Trench is a generator
 responsibility and may be implemented upon compliance with the stated
 disposal request instructions and Hazardous Waste Manifest requirements.

Inspection by Rockwell of package content and integrity will be made as
 required to certify waste is disposed of in the manner described in the
 burial analysis. Failure to package in the manner described in the
 burial analysis will result in suspension of disposal privileges by the
 offending facility.

DIST:	TY	ENCL	APPR
Ash, E.B.			
Bartholomew, D.C.			
Bellotti, M.			
Corv, J.M.			
Crawford, A.C.			
Dandrea, J.L.			
Di Fel, C.V.			
Donatus, J.W.			
Garner, R.J.			
Gruba, R.S.			
Hammond, R.D.			
Hawkins, R.E.			
Kantor, J.E.			
Knight, B.E.			
Larson, M.P.			
P.G.			
L.G.			
Mason, R.L.			
Ogden, L.R.			
Peters, R.J.			
Peterson, J.W.			
Porter, J.B.			
Ramer, A.L.			
Roscher, J.M.			
Selina, C.M.			
Wol, V.R.			
Zake, L.L.			
Control Administration			
Control Files			
Haines			
LA			
DE J			
Gruba			
GB			
Box			
MS			
DD			

91122-3070

DATE JUN 13 1984
 24-000-117 (1) PNC

000050



Rockwell
International

Ms. J. M. Hobbs

Page 2

JUN 13 1984

Should you require further assistance regarding the disposition of wastes listed on Disposal Request 6-9, please contact me on 3-3516.

Very truly yours,

H. C. Boynton, Engineer
Solid Waste Processing & Disposal Unit

HCB/njb

Att.

cc: G. C. Cox - Rockwell, w/att
A. D. Poor - Rockwell, w/att

000081

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

PNL-83-026

6-9

I. GENERATION: The Generator should complete Part I and forward this form to:

WS&DT
202-S/200 West
Rockwell

A. Generator's Name: Jeene Hobbs Phone: 6-1631 Address: 3782/300 Area Company: PNL

B. Custodian's Name: Bill Rossitor Phone: 6-5946 Address: 325/300 Area Company: PNL

C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. Sodium nitrite	18 drums	DOT-17H-55	18	X			<u>Oxidizer</u>
* (the chemical is in fiberboard drums. They have been put inside the 55 gal metal ones.)							
2. <u>Nickel, hydrated</u>		DOT-17H-55	10	X			
* (The chemical is in plastic bags app 100#. These bags are being put into a lined metal drum. The liner is probably 4 or 8 mil poly.)							

D. Have appropriate labels been affixed to containers? Not required Labels will be applied as necessary.

E. Have efforts been made to recycle (e.g., excess) waste? yes as necessary.

F. Has waste been treated in any manner? no If so, how? _____

G. Storage Location: JA Jones lot/3000 Area Contact Rossitor for exact location

H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: _____

Generator's Signature: Jeene Hobbs *Jeene Hobbs* Date: 1 November 83

II. APPROVAL

A. Approved for disposal by Name: H. C. Boynton Phone: 3-3516 Address 2750-F Co.: Rockwell

Date: 6/11/84 Signature: DDA/aler for HCB

B. Packaging Requirements (specify): Refer to disposal analysis 6-9

C. Disposal Location: X Chemical Trench, _____ Asbestos Trench, _____
(check one) _____ 212-P (Storage), _____ Other _____

III. TRANSPORTATION/DISPOSAL

Transporter(s) Name: _____ Phone: _____ Address: _____ Company: _____

J. Date Transported/Disposed: _____

C. Transporter(s) Signature: _____

000082

9 | 22 0303

1/16/88

gr, 83

On Friday, November trench #19-N, the Oxidizer Trench at the Central Landfill was excavated in order to remove drums containing sodium nitrite. All other waste drums previously manifested to this trench were also removed. The following information is to be attached to each hazardous waste manifest which was affected by the excavation.

Manifest #	Status of Waste Drums After Trench Excavation:
RHO-13-33	Drums disposed to trash trench, central landfill.
PNL-7-23	Drums were returned back to oxidizer trench.
UNC-12-15B	Drums were returned back to oxidizer trench.
RHO-5-31	13 drums of sodium nitrite were not located in the oxidizer trench. It is assumed that burial took place in the corrosive trench, since the manifest gives a disposal date to the chemical trench.
RHO-13-9	Drums were disposed to trash trench, central landfill.
RHO-11-29	Drums were disposed to trash trench, central landfill.
RHO-13-5	Drums were disposed to trash trench, central landfill.
RHO-11-3	Drums were disposed to trash trench, central landfill.
PNL-7-25	2 lab packs in this disposal request were not located in the oxidizer trench. It is assumed that past burial occurred in the corrosive trench, since the manifest shows disposal in the chemical trench.
RHO-10-31	Drums were disposed to trash trench, central landfill.
PNL-6-9	18 Drums of sodium nitrite were transported to the 2727-S storage facility/200 West because of their EHW designation. For the 10 drums of hydrated nickel listed on the manifest, status is: 1 drum was also transported to 2727-S, for storage (EHW because of carcinogenic waste designation). At time of transport drum was not known. *The hydrated nickel drum was opened at 2727-S for clear identification. The other 9 drums of hydrated nickel were not found in the oxidizer trench. It is assumed they were buried in the corrosive trench.
RHO-9-33	Drums redispensed to the oxidizer trench. <i>with further investigate recycling options for nickel. MBW 12-26-88 Map, McCallum, Vano recent, said he would not accept them DSE, Dec. 10, 88</i>
PNL-5-17	Drums were disposed to trash trench, central landfill.

*PNL-6-9: One drum of hydrated nickel was labeled: "Flammable solid", and what looked like "Dangerous When Wet" (the latter label was not clearly legible).

DISPOSAL PACKET NUMBER

P84-052

91122430385

376 3518

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: Jerry M. Bishop

Phone Number: 326-3518

Contractor Contracted By: UNC / Rockwell

Location: 313 Deck Estimated Volume (ft³): 236

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Jerry M. Bishop

Date: 7-20-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 7-20-1984

91122430396

DISPOSAL PACKET NUMBER

P84-053

0115310097

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: Jerry M. Bishop

Phone Number: 376-3518

Contractor Contracted By: UNC / Rockwell

Location: 313 Dock Estimated Volume (ft³): 349 JMB
234

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Jerry M. Bishop

Date: 7-20-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 7-20-1984

91122130338

DISPOSAL PACKET NUMBER

P84-054

9 1 1 2 2 4 3 0 3 8 9

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

PLEASE CONTACT SKIP MOONEY 3-3562

I. GENERATION: The Generator should complete Part I and forward this form to:

~~WS&OT~~ **GARY COX**
~~202-51200 West~~ **222-T/200W**
~~Rockwell~~ **3-3679**

- A. Generator's Name: D.L. JACKSON Phone: 3-3622 Address: 202A/3/200E Company: RHO
 B. Custodian's Name: SKIP MOONEY Phone: 3-3562 Address: 202A/1/200E Company: RHO
 C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. ASBESTOS		LOAD LUGGER	1	XX			
2.							
3.							
4.							
5.							

- D. Have appropriate labels been affixed to containers? YES Not required _____
 E. Have efforts been made to recycle (e.g., excess) waste? NA
 F. Has waste been treated in any manner? YES If so, how? DOUBLE BAGGED & WETTED
 G. Storage Location: 202A/DOCK #3
 H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: SURVEY DUMPSTER FOR RELEASE ON DAY OF PICK-UP.

Generator's Signature: *D.L. Jackson* Date: 7/24/84

II. APPROVAL

- A. Approved for disposal by Name: _____ Phone: _____ Address: _____ Co.: RHO
 Date: _____ Signature: _____
 B. Packaging Requirements (specify): _____
 C. Disposal Location: _____ Chemical Trench, _____ Asbestos Trench,
 (check one) _____ 212-P (Storage), _____ Other

III. TRANSPORTATION/DISPOSAL

- A. Transporter(s) Name: H.J. Moseley Phone: 68860 Address: 1171 Company: RHO
 B. Date Transported/Disposed: 7-25-84
 C. Transporter(s) Signature: *H.J. Moseley*

000434

91122430390

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: J. A. Jones Const. Services Dee Prichard

Phone Number: 376-0895

Contractor Contracted By: J. A. JONES CONST. SERVICES

Location: Loneyard 300 Area Estimated Volume (ft³): 100

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: D. A. Prichard

Date: 7-31-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D. E. Frick

Date: 8-1-1984

91122130392

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER

must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

34-JC2

TO: T/S/D FACILITY <u>Central Landfill</u> E.P.A. ID Code No. _____ Address _____ Destination _____ Phone _____	FROM: Generator <u>JA Jones Construction Services Co.</u> E.P.A. ID Code No. <u>WA7890008967</u> Address <u>801 1st St Richland, WA 99352</u> Origin <u>300 Area</u> Phone <u>376-0605</u>
---	--

No. Shipping Units	DOT PROPER SHIPPING NAME	HAZARD CLASS	EPA Hazardous Waste ID No.	EPA Hazardous Waste Code	WEIGHT	LABELS REQUIRED (or Exemption No.)
2	Asbestos	ORM-C		U013	2750 LB	YES
					Per lugger	

PLACARDS REQUIRED

<p><small>NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____</small></p>	<p><small>Freight is hereby / of the shipment, if the shipment is to be delivered in the contiguous United States on the waterway. The shipper shall sign the following statement: The carrier shall not be responsible for any damage to or loss of any goods or property.</small></p>	<p>FREIGHT CHARGES PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/></p>
--	---	--

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in correct good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property or any of said property over all or any portion of said route to destination and on to each party at any time inscribed in bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for transport and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY _____ E.P.A. ID Code No. _____ Address _____ Destination _____	CONTACT Name _____ Phone _____ National Response Center 1-800-424-8802 in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature [Signature] Date _____

TRANSPORTER #1 [Signature] E.P.A. ID No. _____

Address 1171 1st St Richland WA 99352

City Richland WA State WA Zip 99352 Phone 63760

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature _____ Date _____

TRANSPORTER #2 [Signature] E.P.A. ID No. _____

Address _____

City _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature _____ Date _____

TREATMENT/STORAGE/ DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

T/S/D FACILITY Signature [Signature] Date _____

TRANSPORTER #1 COPY 000433

9112280793

DISPOSAL PACKET NUMBER

P84-056

91122430394

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: VERN RICE

Phone Number: 31601

Contractor Contracted By: UNC

Location: 189 D Estimated Volume (ft³): 225

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Vernon T Rice

Date: 8-9-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 8-9-1984 189-D-100 Area

911220795

DISPOSAL PACKET NUMBER

P84-057

9 1 1 2 2 4 3 0 3 9 6

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

I. GENERATION: The Generator should complete Part I and forward this form to:

WS&DT
202-S/200 West
Rockwell

10-25

- A. Generator's Name: Westinghouse Phone: _____ Address: _____ Company: WMC
- B. Custodian's Name: RO Hensyel Phone: 6-3743 Address: 300 Area Company: _____
W/B79
- C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. Sludge 600		55 gal drum	13		<input checked="" type="checkbox"/>		Empty
2. Desalton 653		-	2		<input checked="" type="checkbox"/>		-
3. Steammate 2004		-	6		<input checked="" type="checkbox"/>		-
4. Desalton 874		-	2		<input checked="" type="checkbox"/>		-
5. <u>Paint Thinner</u>		-	<u>#10</u>		<input checked="" type="checkbox"/>		-

- D. Have appropriate labels been affixed to containers? _____ Not required Empty
- E. Have efforts been made to recycle (e.g., excess) waste? Yes
- F. Has waste been treated in any manner? _____ If so, how? _____
- G. Storage Location: owner home and storage yard 300 Area
- H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: 940653 E. Kuchlik 8/10/84

Generator's Signature: RO Hensyel Date: 7-11-84

II. APPROVAL

- A. Approved for disposal by Name: Mary B. Weins Phone: 3-4033 Address 2750-F Co.: Rockwell
Date: 7-25-84 Signature: Mary B. Weins
- B. Packaging Requirements (specify): Refer to Disposal Analysis 10-25
- C. Disposal Location: Causeway Chemical Trench, _____ Asbestos Trench,
(check one) _____ 212-P (Storage), _____ Other

III. TRANSPORTATION/DISPOSAL 28 Drums: Items 1-4 above.

- A. Transporter's Name: _____ Phone: _____ Address: _____ Company: _____
- Date Transported/Disposed: 8-13-84 BJH
- C. Transporter's Signature: _____

91122430397

HAZARDOUS WASTE MANIFEST

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

MANIFEST DOCUMENT NUMBER

WNC 84-001

10-25

TO: T/S/D FACILITY <u>Rockwell Hanford</u> E.P.A. ID Code No. <u>WA 780008967</u> Address <u>Hanford</u> Destination <u>200 Area / Chem Tanks / Conserve</u> Phone <u>3-3516</u>	FROM: Generator <u>Westinghouse Hanford</u> E.P.A. ID Code No. <u>WA 780008967</u> Address <u>Hanford</u> Origin <u>300 Area / Power House</u> Phone <u>6-3012</u>
--	--

NO.	DOT PROPER SHIPPING NAME	HAZARD CLASS	UN ID No.	EPA ID No.	WEIGHT	LABELS REQUIRED (or Exempt) No.
16	<u>Hexaborn Sludge 600</u> <u>Conserve Material</u>	<u>Conserve</u>	<u>UN1759</u>			<u>Empty Conserve</u>
10	<u>Hexaborn 653</u> <u>Conserve Material</u>	<u>Conserve</u>	<u>UN1759</u>			<u>Empty Conserve</u>
8	<u>Hexaborn Steamate</u> <u>Conserve Material</u>	<u>Conserve</u>	<u>UN1759</u>			<u>Empty Conserve</u>

PLACARDS REQUIRED

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

Freight in Section 7 of the conditions of this contract is to be delivered to the consignee unless otherwise stated. The carrier shall be liable for the transportation of the goods and for any other costs incurred.

FREIGHT CHARGES
PREPAID COLLECT

RECEIVED - Subject to the classification and rights in effect on the date of this Bill of Lading, the property described above is accepted good order, except as noted (contents and condition of containers of packages, containers, marks, contents, and destination as indicated above which said carrier (the vessel carrier being understood throughout this contract as meaning any person or corporation in possession of the property when the contract is made) agrees to carry to the place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time mentioned in all or any said property, that every service to be performed hereunder shall be subject to all the bills of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for receipt and the receipt.

ALTERNATE DESTINATION (EMERGENCY ONLY)

EMERGENCY RESPONSE INFORMATION

T/S/D FACILITY _____
 E.P.A. ID Code No. N/A
 Address _____
 Destination _____

CONTACT Name Harley Boynton
 Phone 3-3516
 National Response Center 1-800-424-8802
 in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature RD Denny Date 8-13-84
 TRANSPORTER #1 Rockwell Hanford E.P.A. ID No. WA 780008967
 Address 1100 Area
 City Kitland State WA Zip _____ Phone _____

Transporter No. 1 Signature Dodd P. Clark Date 8/13/84
 This is to certify acceptance of the hazardous waste shipment.
 TRANSPORTER #2 _____ E.P.A. ID No. _____
 Address _____
 City _____ State _____ Zip _____ Phone _____

Transporter No. 2 Signature _____ Date _____
 This is to certify acceptance of the hazardous waste shipment.

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.
 T/S/D FACILITY Signature Bernie Gladys Date 8/13/84

ORIGINAL - RETURN TO GENERATOR

911227308

HAZARDOUS WASTE



Rockwell
International

Mr. R. D. Hensyel
Page 2

APR 06 1984

Should you require further assistance regarding the disposition of wastes listed on Disposal Analysis 10-25, please contact me on 373-4033.

Very truly yours,

MR. Weih

M. B. Weih
Solid Waste Processing & Disposal Unit

MBW:ra

Att.

cc: w/att.
D. R. Groth
A. D. Poor

000208

91122430400

Final Analysis 10-25

HAZARD CLASS	DISPOSAL ITEM NO.	SHIPPING NAME	EPA NO.	ID. NO.	LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
					ONSTTL DISPOSAL			
		Corrosive liquid	N/A	UG1759	Corrosive	32	Empty Drums	Empty
		n.o.s.						
	1	(Sludgtral 600)						
	2	(Dearborn 653)						
	3	(Steammate 2004)						
	4	(Dearborn 874)						
	5	(Paint thinner)						

0122000

4-2-84

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

I. GENERATION The Generator should complete Part I and forward this form to

WSNOT 10-25
202 S. 200 Ave.
Rockwell

A. Generator's Name: Westinghouse Phone: _____ Address: _____ Company: WMC
 B. Customer's Name: RO Hensyel Phone: 6-3743 Address: 300 Ave Company: _____
W/B79
 C. Waste Description: (If more than five items, attach additional sheets)

Serial Number	Gener. Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
					Sol.	Liq.	Gas	
1	<u>Steady State 600</u>		<u>55 gal drum</u>	<u>13</u>		<input checked="" type="checkbox"/>		<u>Empty</u>
2	<u>Dearborn 653</u>		<u>-</u>	<u>2</u>		<input checked="" type="checkbox"/>		<u>-</u>
3	<u>Stammate 2004</u>		<u>-</u>	<u>6</u>		<input checked="" type="checkbox"/>		<u>-</u>
4	<u>Dearborn 874</u>		<u>-</u>	<u>2</u>		<input checked="" type="checkbox"/>		<u>-</u>
5	<u>Paint thinner</u>		<u>-</u>	<u>4</u>		<input checked="" type="checkbox"/>		<u>-</u>

D. Have labels been affixed to containers? _____ Not required Empty
 E. Have efforts been made to recycle (e.g., excess) waste? Yes
 F. Has waste been treated in any manner? _____ If so, how? _____
 G. Storage location: same house and storage yard 300 Ave
 I warrant that the material has been released by a list of monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge. Survey Card Number: _____

Generator's Signature: RO Hensyel Date: 7-11-84

II. APPROVAL

A. Approved for disposal by Name: Mary B. Weibs Phone: 3-4033 Address: 2750-F Co: Rockwell
Date: 7-25-84 Signature: Mary B Weibs

B. Packaging Requirements (specify): Refer to Disposal Analysis 10-25

C. Disposal location: _____ Chemical Trench, _____ Assistant Trench
 (check one) _____ 212 P (Storage), _____ Other

III. TRANSPORTATION/ DISPOSAL

Transporter Name: _____ Phone: _____ Address: _____

000211

91122430403

84-3039



Rockwell Hanford Operations
 Energy Systems Group
 P.O. Box 800
 Richland, WA 99352



Rockwell
 International

In reply, refer to letter R84-3039

REPLY DUE

AUG 30 1984

DIST:	LYR	ENCL	APPL
Abb, E.E.			
Bartholomew, D.C.			
Bellefleur, M.			
Corey, J.M.			
Crawford, A.C.	✓		
Douchman, J.L.			
Di Poi, C.V.			
Donahue, J.W.			
Graves, R.J.			
Grano, R.S.			
Hammond, R.D.			
Hansman, R.E.			
Kiefer, J.E.			
Knight, R.E.			
Larson, M.P.			
"G."	✓		
McDermott, R.J.			
Opertre, L.R.			
Procco, K.J.			
Peterson, J.W.	✓		
Porter, J.D.			
Rosen, A.L.			
Rosen, J.H.	✓		
Schne, E.M.			
Wol, V.F.			
Zahn, L.L.			
Contract Administrator	✓		
Central Files	✓		
319	✓		
324	✓		
325	✓		
326	✓		
327	✓		
328	✓		
329	✓		
330	✓		
331	✓		
332	✓		
333	✓		
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395	✓		
396	✓		
397	✓		
398	✓		
399	✓		
400	✓		

Mr. R. D. Hensyel
 Engineering Services
 Westinghouse Hanford Company
 W/B79 300 Area
 Richland, Washington 99352

Dear Mr. Hensyel:

DISPOSAL REQUEST 10-25

- References:
- (a) Application to Dispose of Nonradioactive Hazardous Waste 10-25, July 11, 1984, R. D. Hensyel
 - (b) Letter, August 6, 1984, M. B. Weihs to R. D. Hensyel, same subject

Rockwell Hanford Operations (Rockwell) has completed review of referenced Disposal Request 10-25 (Reference (a)). The disposal method for these wastes is outlined on the attached "Disposal Analysis 10-25A," which replaces in full the previous Disposal Analysis transmitted with Reference (b).

All packaging, labeling, and marking of the waste reagents shall be completed in accordance with the prescribed instructions which are based on Department of Transportation (DOT) Regulations 49 CFR 171-179. A Hazardous Waste Manifest is required to accompany all waste shipments in accordance with 40 CFR 263.

Arrangements for transporting waste materials directly to the Non-Radioactive Hazardous Waste Chemical Trench is a generator responsibility and may be implemented following compliance with Disposal Analysis 10-25A instructions and preparation of the Hazardous Waste Manifest.

Inspections by Rockwell of package content and integrity will be made as required to certify that the waste is prepared in the manner designated on Disposal Analysis 10-25A. Failure to package in the manner described on Disposal Analysis 10-25A will result in suspension of disposal privileges for the offending facility.

DATE
 AUG 30 1984

000212

91122620404



Rockwell
International

Mr. R. D. Hensyel
Page 2

Should you require further assistance regarding the disposition of wastes listed on Disposal Analysis 10-25A, please contact me on 373-4106.

Very truly yours,

L. F. Lust

L. F. Lust
Solid Waste Processing & Disposal Unit

LFL/njb

Att.

91122430105

000213

Disposal Analysis 10-25A

Onsite Disposal

For disposal at the Hanford Non-radioactive Hazardous Waste Chemical Trench, the empty drums must be properly packaged, labeled, marked and manifested in the manner described below.

- o Affix the hazardous class label indicated on page 2.
- o Mark the ID. NO., as indicated on page 2, on the side of each drum.
- o Ensure that the drums qualify as "EMPTY" by containing less than one inch of waste.
- o Completely fill out the attached HAZARDOUS WASTE MANIFEST, making certain that ID. NO's. correlate with those on the drums.

91122430406

Disposal Analysis 10-25A

HAZARD CLASS	DISPOSAL ITEM NO.	SHIPPING NAME	EPA NO.	ID. NO.	LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
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ONSITE DISPOSAL

Corrosive Material	1	Corrosive Liquid n.o.s. (Sludgtrol)	D002	UN1760	Corrosive	12	55 gal. drums	(empty) 0
Corrosive Material	2	Corrosive Liquid n.o.s. (Dearborn 653)	D002	UN1760	Corrosive	8	55 gal. drums	(empty) 0
Corrosive Material	3	Corrosive Liquid n.o.s. (Steammate)	D002	UN1760	Corrosive	6	55 gal. drums	(empty) 0

Flammable Liquid	4	Flammable Liquid n.o.s. (Dearborn 874)	D001	UN1993	Flammable Liquid	2	55 gal. drums	(empty) 0
Flammable Liquid	5	Flammable Liquid n.o.s. (Paint Thinner)	D001	UN1993	Flammable Liquid	4	55 gal. drums	(empty) 0

000215

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER

must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

WHC 84-001

TO: T/S/D FACILITY <u>Rockwell Hanford</u>	FROM: Generator <u>Westinghouse Hanford</u>
E.P.A. ID Code No. <u>WA 789000 8967</u>	E.P.A. ID Code No. <u>WA 780000 8967</u>
Address <u>Hanford</u>	Address <u>Hanford</u>
Destination <u>200 Area / Chem Tracts / Coisive</u>	Origin <u>300 Area / Power House</u>
Phone <u>3-3516</u>	Phone <u>6-3012</u>

No. Shipping Units	DOT PROPER SHIPPING NAME	HAZARD CLASS	Haz. Mat. U.S. No.	EPA Haz Waste U.S. No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
16	<u>Hexaborn</u> <u>Coisive</u> <u>Studiated 600 Material</u>	<u>Coisive</u>	<u>UN1759</u>			<u>Empty</u> <u>Coisive</u>
10	<u>Hexaborn</u> <u>Coisive</u> <u>653 Material</u>	<u>Coisive</u>	<u>UN1759</u>			<u>Empty</u> <u>Coisive</u>
8	<u>Hexaborn</u> <u>Coisive</u> <u>Stammale Material</u>	<u>Coisive</u>	<u>UN1759</u>			<u>Empty</u> <u>Coisive</u>

PLACARDS REQUIRED

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

Subject to Section 7 of the conditions, if the shipper is to be delivered to the consignee without receipt on the destination, the shipper shall sign the bill of lading. The carrier shall not be liable for loss or damage to the property if the carrier shall not have delivery of the property at the destination.

FREIGHT CHARGES
PREPAID COLLECT

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in approved good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY _____	CONTACT Name <u>Harley Baynton</u>
E.P.A. ID Code No. <u>N/A</u>	Phone <u>3-3516</u>
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature RD Nourse Date 8-13-84

TRANSPORTER #1 Rockwell Hanford E.P.A. ID No. WA 789000 8967
Address 1100 Area
City Ribland State WA Zip _____ Phone _____

Transporter No. 1 Signature Donald P. Good Date 8/13/84

TRANSPORTER #2 _____ E.P.A. ID No. _____
Address _____
City _____ State _____ Zip _____ Phone _____

Transporter No. 2 Signature _____ Date 000353

TREATMENT/STORAGE/DISPOSAL FACILITY
This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.
T/S/D FACILITY Signature Donald P. Good Date 8/13/84

TRANSPORTED #1 CDV

7-BLS-C (6 PLY)

9112213003

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER

must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

WHC 84-001 10-25A

TO: T/S/D FACILITY <u>Rockwell Hanford</u>	FROM: Generator <u>Wasting house Hanford</u>
E.P.A. ID Code No. <u>WA 789000 8967</u>	E.P.A. ID Code No. <u>WA 78000 8967</u>
Address <u>Hanford</u>	Address <u>Hanford</u>
Destination <u>200 Acres / Chem Transfer / Consignee</u>	Origin <u>300 Acres / Power house</u>
Phone <u>3-3516</u>	Phone <u>6-3012</u>

No. Shipping Units	DOT PROPER SHIPPING NAME	HAZARD CLASS	Haz. Mat. ID No.	EPA Haz Waste No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
16	<u>Hexaborn</u> <u>Consignee</u> <u>Sturdy Fuel 600 Material</u>	<u>Consignee</u>	<u>UN1759</u>			<u>Empty</u> <u>Consignee</u>
10	<u>Hexaborn</u> <u>Consignee</u> <u>153 Material</u>	<u>Consignee</u>	<u>UN1759</u>			<u>Empty</u> <u>Consignee</u>
8	<u>Hexaborn</u> <u>Consignee</u> <u>Stemmate Material</u>	<u>Consignee</u>	<u>UN1759</u>			<u>Empty</u> <u>Consignee</u>

PLACARDS REQUIRED

<p><small>NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding</small></p> <p>\$ _____ Per _____</p>	<p><small>Signature of Consignee</small></p> <p>_____</p>
<p>FREIGHT CHARGES</p> <p>PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/></p>	

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above is approved good order, except as noted (contents and condition of contents of packages unbroken, marked, consigned, and destined to indicate above which said carrier (the ward carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY _____	CONTACT Name <u>Hawley Broughton</u>
E.P.A. ID Code No. <u>N/A</u>	Phone <u>3-3516</u>
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature <u>RD Hensley</u>	Date <u>8-13-84</u>
TRANSPORTER #1 <u>Rockwell Hanford</u>	E.P.A. ID No. <u>WA 78000 8967</u>
Address <u>100 Acres</u>	
City <u>Richland</u> State <u>WA</u> Zip _____ Phone _____	
Transporter No. 1 Signature <u>Donald D. Good</u> Date <u>8/13/84</u>	
TRANSPORTER #2 _____	E.P.A. ID No. _____
Address _____	
City _____ State _____ Zip _____ Phone _____	
Transporter No. 2 Signature _____ Date _____	

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

T/S/D FACILITY Signature _____	Date <u>8-13-84</u>
--------------------------------	---------------------

TRANSPORTER #2 COPY

000355

7-BLS-C (6-PLS) REVISED

91122370909

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

I. GENERATION: The Generator should complete Part I and forward this form to:

WS&DT
202-S/200 West
Rockwell

10-25

- A. Generator's Name: Westinghouse Phone: _____ Address: _____ Company: WMC
- B. Custodian's Name: RO Hensyel Phone: 6-3743 Address: 300 Ave Company: _____
W/B79
- C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. Sludgital 600		55 gal drum	12		<input checked="" type="checkbox"/>		Empty
2. Deaerium 653		-	2		<input checked="" type="checkbox"/>		-
3. Steammate 2004		-	6		<input checked="" type="checkbox"/>		-
4. Deaerium 874		-	2		<input checked="" type="checkbox"/>		-
5. <u>Prin's Ink</u>		-	#10		<input checked="" type="checkbox"/>		-

- D. Have appropriate labels been affixed to containers? _____ Not required Empty
- E. Have efforts been made to recycle (e.g., excess) waste? Yes
- F. Has waste been treated in any manner? _____ If so, how? _____
- G. Storage Location: power house and storage yard 300 Ave
- H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: 840653 E. Kuchlik 8/10/84

Generator's Signature: RO Hensyel Date: 7-11-84

II. APPROVAL

- A. Approved for disposal by Name: Mary B. Weihs Phone: 3-4033 Address 2750-E Co.: Rockwell
Date: 7-25-84 Signature: Mary B Weihs
- B. Packaging Requirements (specify): Refer to Disposal Analysis 10-25

- C. Disposal Location: Crossin Chemical Trench, _____ Asbestos Trench, _____
(check one) _____ 212-P (Storage), _____ Other _____

III. TRANSPORTATION/DISPOSAL 28 Drums: Items 1-4 above.

- A. Transporter(s) Name: _____ Phone: _____ Address: _____ Company: _____
- B. Date Transported/Disposed: 8,13,84 BTH
- C. Transporter's Signature: _____

91122470410

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: MICHAEL E THURMAN

Phone Number: 3-3544

Contractor Contracted By: UNC

Location: 100-B Estimated Volume (ft³): 400

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Michael E. Thurman

Date: 8-15-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 8-15-1984

9112210012

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

P

Central Landfill

TO: T/S/D FACILITY <i>Central Landfill</i>	FROM: Generator <i>R.H.O</i>
E.P.A. ID Code No.	E.P.A. ID Code No.
Address	Address <i>1171 Building</i>
Destination	Origin <i>1100 AREA</i>
Phone	Phone <i>376-6493</i>

No. Shipping Units	PROPER SHIPPING NAME	HAZARD CLASS	Mar. Mat. G.D. No.	EPA Haz Waste No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
1	ASBESTOS	ORM-C			1016	

PLACARDS REQUIRED

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

<small>Subject to Section 7 of the Act...</small>	FREIGHT CHARGES
	PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/>

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in approved good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and described as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for transit and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY _____	CONTACT Name _____
E.P.A. ID Code No. _____	Phone _____
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature *ER Howe* Date *8-9-84*

TRANSPORTER #1 *H.J. Wacker* E.P.A. ID No. _____

Address *1171 Building*

City *Pickersville Wa* State *Wa* Zip *99352* Phone *68860*

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature *H.J. Wacker* Date *8-15-84*

TRANSPORTER #2 *H.J. Wacker* E.P.A. ID No. _____

Address *1171 Building*

City *Pickersville Wa* State *Wa* Zip *99352* Phone *68860*

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature *H.J. Wacker* Date *8-15-84*

TREATMENT/STORAGE/DISPOSAL FACILITY

T/S/D FACILITY _____

Signature *[Signature]* Date *[Date]*

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

TRANSPORTER #1 COPY 000430

911223013

DISPOSAL PACKET NUMBER

P84-059

91122430414

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: Dee Prichard / J. A. Jones Const. Services Co.

Phone Number: 375-3395

Contractor Contracted By: J. A. Jones Const. Services Co.

Location: Boneyard 300 Area Estimated Volume (ft³): 103

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: J. K. Griswold

Date: 3-15-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: DE Phelps

Date: 8-16-1984

91122400115

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER

must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

84-003

TO: T/S/D FACILITY Central Landfill E.P.A. ID Code No. Address Destination Phone	FROM: Generator JA Jones Construction Services Co. E.P.A. ID Code No. WA7890G08967 Address 801 1st St. Richland, WA 99352 Origin 300 Area Phone 376-0906
--	--

No. Shipping Units	PROPER SHIPPING NAME	HAZARD CLASS	EPA Hazardous Waste No.	WEIGHT	LABELS REQUIRED (for Exemption No.)
2	Asbestos	ORM-C	U013	2750 LB	YES
	LUGGERS			Per Lugger	

PLACARDS REQUIRED

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

<small>Subject to Section 7 of the Act, the carrier is to be operated in the enclosed vehicle equipped as the transporter, the transporter must keep the manifest on board.</small>	FREIGHT CHARGES
<small>(Shipper or Carrier)</small>	PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/>

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in appropriate good order, except as noted (contents and condition of contents of packages unopened, marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY _____	CONTACT Name _____
E.P.A. ID Code No. _____	Phone _____
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature J. K. Griswold Date 8-15-84

TRANSPORTER #1 [Signature] E.P.A. ID No. _____
 Address _____
 City _____ State WA Zip 99352 Phone 376-0906

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature [Signature] Date 8-16-84

TRANSPORTER #2 [Signature] E.P.A. ID No. _____
 Address _____
 City _____ State WA Zip 99352 Phone 376-0906

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature _____ Date 8-16-84

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.
 T/S/D FACILITY Signature D E Phelps Date 8-16 1984

TRANSPORTER #1 COPY

000428

9112230416

HAZAR WASTE

HAZAR WASTE

DISPOSAL PACKET NUMBER

P84-060

91122430417

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: Lee R. Harrington

Phone Number: 6-7031

Contractor Contracted By: Boeing Computer Services Richland, Inc.

Location: Federal Building, Room 528 Estimated Volume (ft³): 3 cubic feet

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: *Lee R. Harrington*

Date: 8-13-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: *D E Phelps*

Date: 8-17-1984

91122470413

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER

must be legibly filled in, in ink, in indelible Penball, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

TO: T/S/D FACILITY Rockwell Landfill	FROM: Generator Lee R. Harrington
E.P.A. ID Code No.	E.P.A. ID Code No.
Address	Address 528 Federal Building / 700 Area
Destination Rockwell Landfill	Origin Federal Building / 700 Area
Phone 376-1420 Dennis Poor	Phone 376-7031

No. of Packages	DOT PROPER SHIPPING NAME	HAZARD CLASS	EPA ID No.	EPA Haz Waste Code	WEIGHT	LABELS REQUIRED (or Exemption No.)
3 ea	Asbestos					

PLACARDS REQUIRED

<p><small>NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____</small></p>	<p><small>Freight to be paid by the shipper, if the shipment is to be delivered to the consignee without payment to the carrier, the carrier shall sign the necessary receipt. This receipt shall be a true copy of the manifest and shall be retained by the carrier.</small></p>	<p>FREIGHT CHARGES PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/></p>
--	--	---

RECEIVED - subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above is shipped as per order, except as noted (contents and quantities of contents of packages (contents) marked, packaged, and destined as indicated above which said carrier (the more carrier being understood throughout this document) is responsible for the property under the contract) agree to carry to the usual place of delivery at said destination, if on its route, according to order in delivery order on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party of any rate indicated as all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY _____	CONTACT Name _____
E.P.A. ID Code No. _____	Phone _____
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature Lee R. Harrington *[Signature]* Date August 10, 1984

TRANSPORTER #1 H. J. Mader E.P.A. ID No. _____
 Address 11711 Highway 111 of area
 City Pickens State SC Zip 29324 Phone 68860

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature H. J. Mader Date Aug 17 84

TRANSPORTER #2 H. J. Mader E.P.A. ID No. _____
 Address 11711 Highway 111 of area
 City Pickens State SC Zip 29324 Phone 68860

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature H. J. Mader Date Aug 17 84

TREATMENT/STORAGE/DISPOSAL FACILITY
 T/S/D FACILITY IOE Phelps This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.
 Signature _____ Date 8-17-1984

9112230419

DISPOSAL PACKET NUMBER

P84-061

91122430420

HAZARDOUS WASTE MANIFEST

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

MANIFEST DOCUMENT NUMBER

PNL-M-84-005

74

This document refers to disposal request #PNL-84-007
RHO approved disposal request #7-25

7/25

TO: T/S/D FACILITY Rockwell Hanford Operations E.P.A. ID Code No. WA-89-000-8967 Address Richland, WA Destination Central Landfill & 2727S Phone Harlan Boynton 373-3516	FROM: Generator Battelle - PNL E.P.A. ID Code No. WA-89-000-8967 Address Richland, WA Origin 329 Building/300 Area Phone Jeene Hobbs 376-1631
--	---

#	PROPER SHIPPING NAME	HAZARD CLASS	WEIGHT	LABELS REQUIRED (or Exemption No)
#1	Waste Flammable Liquid Lab Pack	Flammable Liquid	260#	flammable li
#2	Hazardous Waste N.O.S.	ORM-E	275#	Hazardous Waste
#3	Waste Corrosive Liquid labpack	Corrosive material	360#	Corrosive
#4	Waste Flammable Liquid Labpack	Flammable liquid	170#	Flammable li
NOTE: #1 & #2 go to the Central Landfill Chemical Trench; #3 & #4 go to 2727S				
	<i>Chemical Trench</i>		<i>2727-5</i>	

PLACARDS REQUIRED none

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

FREIGHT CHARGES
PREPAID COLLECT

RECEIVED SUBJECT TO THE CLASSIFICATION AND TERMS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING, THE PROPERTY DESCRIBED ABOVE IS RECEIVED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE BILL OF LADING CONTRACT. THE SHIPPER IS RESPONSIBLE FOR THE PROPER CLASSIFICATION, DESCRIPTION, PACKAGING, MARKING AND LABELING OF THE PROPERTY. THE SHIPPER IS RESPONSIBLE FOR THE PROPER PACKAGING, MARKING AND LABELING OF THE PROPERTY. THE SHIPPER IS RESPONSIBLE FOR THE PROPER PACKAGING, MARKING AND LABELING OF THE PROPERTY.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY <u>2727S</u>	CONTACT Name <u>Single Point Contact</u>
E.P.A. ID Code No. _____	Phone <u>375-2400</u>
Address _____	National Response Center <u>1-800-424-8802</u>
Destination _____	in D. C. <u>426-2675</u>

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature Jeene Hobbs *Jeene Hobbs* Date _____

TRANSPORTER #1 U. Timothy W. Tolmie E.P.A. ID No. _____
 Address 1100 Grand 1171 Bldg 2
 City Richland State WA Zip 99352 Phone 376-3560

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature Timothy Tolmie Date 8-23-84

TRANSPORTER #2 _____ E.P.A. ID No. _____
 Address _____
 City _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature _____ Date _____

TREATMENT, STORAGE DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

T/S/D FACILITY Signature _____ Date 8-23-84

ORIGINAL - RETURN TO GENERATOR

000108

91122870121

HAZARDOUS WASTE

Rockwell Hanford Operations
Energy Systems Group
P.O. Box 800
Richland, WA 99352



Rockwell
International

In reply refer to letter R84-2065

Ms. J. M. Hobbs
Development Engineer
Laboratory Safety Department
Pacific Northwest Laboratory
P. O. Box 999
Richland, Washington 99352

Dear Ms. Hobbs:

APPROVED DISPOSAL REQUEST: 7-25 (PNL-84-007)

Reference: Application to Dispose of Non-Radioactive Hazardous Waste,
February 7, 1984, J. M. Hobbs

Rockwell Hanford Operations (Rockwell) has completed review of the Reference Disposal Request for liquid waste. The accepted disposal method for these wastes is prescribed on the attached Disposal Request Analysis.

All packaging, labeling, and marking of waste reagents shall be completed in accordance with Department of Transportation (DOT) regulations 49 CFR 171-179. A Hazardous Waste Manifest is required to accompany all waste shipment in accordance with 40 CFR 263.

Arrangements for transporting onsite disposal packages directly to the Hanford Non-Radioactive Hazardous Waste Disposal Trench is a generator responsibility and may be implemented upon compliance with the stated disposal requires instructions and Hazardous Waste Manifest requirements.

Inspection by Rockwell of package content and integrity will be made as required to certify waste is disposed of in the manner described in the burial analysis. Failure to package in the manner described in the burial analysis will result in suspensions of disposal privileges by the offending facility.

000109



Rockwell
International

Ms. J. M. Hobbs

Page 2
JUN 12 1984

Should you require further assistance regarding the disposition of wastes listed on Disposal Requests 7-25, please contact me on 3-3516.

Very truly yours,

H. C. Boynton, Engineer
Solid Waste Processing & Disposal Unit

HCB/njb

Att.

cc: ~~J. D. Poor~~ - RHO, w/att
G. C. Cox - RHO, w/att

000110

Disposal Analysis

I. ONSITE DISPOSAL

Waste reagents listed in this section are to be properly packaged and manifested for disposal at the Hanford Non-Radioactive Hazardous Waste Chemical Trench.

Chemicals in the same "Compatible Group" as listed on the disposal analysis may be placed in a common overpack.

Instructions for Packaging, Labeling and Marking the overpacks is provided on the last page of the Disposal Analysis.

II. OFFSITE DISPOSAL

Waste reagents listed in this section are "Extremely Hazardous Waste" (EHW) and are to be properly packaged and manifested for shipment to an offsite disposal facility in accordance with state of Washington law (chapter 173-303 WAC). The Hanford generator has the responsibility for packaging and shipment of EHW to the offsite staging facility 2727-S/200W. Offsite disposal shipments originating from 2727-S will be organized by Rockwell.

Chemicals in the same "Compatible Group" as listed on the disposal analysis may be placed in a common overpack. Instruction for Packaging, Labeling, and Marking each overpack is provided on the last page of the Disposal Analysis.

000111

Instructions for Packaging, Labeling, and Marking overpacked reagents for both onsite and offsite disposal.

- o Reagents must be placed in strong-tight metal containers: e.g., 10, 30, 55 gallon metal drums.
- o Inert packing material must be used to separate individual containers within the overpack, e.g., Kitty Litter or Vermiculite.
- o The DOT Hazard class label(s) must be applied to the overpack.
- o A weather proof listing of the reagents must be applied to the overpack. e.g., a protected cut out of the above information which includes shipping name and identification may be fixed to the overpack.
- o Mark on the overpack lid "This side up".
- o Mark the weight of the overpack if the drum exceeds 110 lbs.
- o Mark a package identification number which correlates with the Manifest information.
- o Item 2 of the Disposal Analysis should be packaged separately in a 55-gallon 17H steel drum. Void spaces should be filled in also.

Disposal Analysis 7-25

ONSITE DISPOSAL

HAZARD CLASS	DISPOSAL ITEM NO.	SHIPPING NAME	EPA NO.	ID. NO.	LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
Compatibility Group A								
'Flammable Liquid'	6	Ammonium Sulfide	D001	UN2683	Flammable Liquid	7	Glass	1 pt.
"	10	Ethylacetate	U112	UN1173	"	1	Glass	1 pt
"	11	Hexone	U161	UN1993	"	4	Glass	1/2 gal
"	15	Butylalcohol	U031	NA1120	"	1	Glass	6 pt
"	21	Collodion	D001	NA2059	"	4	Glass	1 qt.
"	23	Hexone	U161	UN1993	"	2	Glass	1 qt
"	27	Amyl Acetate	D001	UN1104	"	12	Glass	1 pt
"	28	Ethyl Acetate	U112	UN1173	"	3	Glass	1 pt
"	30	Methylethyl Ketone	U159	UN1193	"	1	Glass	3 kg
"	32	Hexone	U161	UN1993	"	1	Glass	1 pt
"	33	Tetrahydrofuran	U213	UN2056	"	1	Glass	1 qt
Compatibility Group B								
"	4	Perchloric acid 70%	D003	UN1873	Oxidizer	7	Glass	1 pt.
"	7	Hydrogen peroxide 30%	D003	UN2014	"	7	Glass	1 pt

000113

Disposal Analysis 7-25

ONSITE DISPOSAL

HAZARD CLASS	DISPOSAL ITEM NO.	SHIPPING NAME	EPA NO.	ID. NO.	LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
Compatibility Group C								
ORM-A	14	Dichloromethane	NA	UN1593	None	1	metal	5 gal
ORM-E	20	Bis(2-ethylhexyl)2-hexylphosphonate	NA	HA9189	"	1	Glass	1 qt
"	34	Hazardous waste liquid N.O.S. (Mono-2-ethyl hexyl acid orthophosphate)	NA	NA9189	"	1	Glass	1 qt
Combustible liquid	9	Combustible liquid N.O.S. (Glycerine)	NA	NA1993	"	1	Glass	1 pt
"	16	Combustible liquid N.O.S. (Octylalcohol)	NA	"	"	2	Glass	1 kg
"	17	Combustible liquid N.O.S. (Isopentyl alcohol)	NA	"	"	1	Glass	5 L.
"	19	Combustible liquid N.O.S. (Acetyl acetone)	NA	"	"	1	Glass	1 qt
"	25	Combustible liquid N.O.S. (Dimethyl formamide)	NA	"	"	1	Glass	1 gal
"	26	Combustible liquid N.O.S. (Hexanol)	NA	"	"	1	Glass	1 L.
Nonregulated	8	Lactic Acid	NA	"	"	1	Glass	5 lbs
"	22	Diisopropyl ketone	NA	"	"	1	Glass	1 qt
Packaged Separately								
Corrosive	2	Sulphuric Acid	D002	UN1830	Corrosive	13	Plastic	1 gal

000113

Proposal Analysis 7-25 (EHW)

OFFSITE DISPOSAL

HAZARD CLASS	DISPOSAL ITEM NO.	SHIPPING NAME	EPA NO.	ID. NO.	LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
Compatible Group F								
Flammable liquid	24	Acetonitrile	U003	NA1648	Flammable liquid	2	Glass	1 qt
"	29	Cyclohexane	U056	UN1145	"	2	Glass	1 pt
Compatible Group G								
Corrosive liquid	1	Hydrofluoric acid sln. (48%)	U134	UN1790	Corrosive	6	Plastic	1 gal
"	3	Formic acid sln. (85%)	U123	UN1779	Corrosive	9	Glass	1 pt
Compatible Group H								
ORM-A	5	Formaldehyde	U122	UN2209	None	9	Glass	1 pt
"	12	1,1,1-Trichloroethylene	U228	UN1710	None	1	Metal	5 gal
ORM-E	18	Cyclohexanone	U057	NA9189	None	2	Glass	1 qt
ORM-A	31	Chloroform	U044	UN1888	None	1	Glass	1 gal

SITCOO

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

A
7-25

XXXXXXXXXX PNL-84-007

I. GENERATION: The Generator should complete Part I and forward this form to:

WS&DT
202-S/200 West
Rockwell

A. Generator's Name: Jeene Hobbs Phone: 6-1631 Address: 3762/300 Area Company: PNL

B. Custodian's Name: Art Bruce Phone: _____ Address: 329/300 Area Company: PNL

C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. Hydrofluoric Acid 48%	6 gal	plastic	6		X		
2. Sulfuric Acid 93%	13 gal	plastic	13		X		
3. Formic Acid 85%	9 pt		9		X		
4. Perchloric Acid 70%	7 pt	glass	7		X		
5. Formaldehyde 37%	9 pt	glass	9		X		

D. Have appropriate labels been affixed to containers? _____ Not required _____ Lab packs will be labeled as required.

E. Have efforts been made to recycle (e.g., excess) waste? yes

F. Has waste been treated in any manner? no If so, how? _____

G. Waste will be stored at _____ 339/300 Area will be moved to 332 for packaging

H. Has any radioactive material been released by Radiation Monitoring (if applicable) or other Part One or Two monitoring equipment to the best of my knowledge? Survey Card Number: _____

Generator's Signature: Jeene Hobbs *Jeene Hobbs* Date: XXXXXXXXXX 2-7-84

II. APPROVAL

A. Approval by: Name: H. C. Boynton Phone: 3-3516 Address: 2750-E Co: Rockwell

Date: 6/11/84 Signature: *H. C. Boynton*

B. Packaging Requirements (specify): Refer to Disposal Analysis 7-25

C. Disposal Location: _____ X _____ Chemical Trench, _____ Asbestos Trench, _____
(check one) _____ 212-P (Storage), _____ X _____ Other 2727-S

III. TRANSPORTATION/ DISPOSAL

Transporter's Name: _____ Phone: _____ Address: _____ Company: _____

1. Date Transported/ Disposed: _____

000116

91122430429

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
6. Ammonium sulfide	7 pt	glass	7		X		
7. Hydrogen peroxide 30%	7 pt	glass	7		X		
8. Lactic Acid	5#	glass	1		X		
9. glycerine	1 pt	glass	1		X		
10. Ethyl acetate	1 pt	glass	1		X		
11. Methyl isobutyl ketone	2 1/2 gal	glass	4		X		
12. 1,1,1-Trichloroethylene	5 gal	metal	1		X		
13. Diffusion pump oil	1 gal	metal	1		X		
14. Methylene chloride	5 gal	metal	1		X		
15. 1-Butanol	6 pt	glass	1		X		
16. Octyl alcohol	2 kg	glass	2		X		
17. iso-pentyl alcohol	5 l	glass	1		X		
18. Cyclohexanone	2 qt	glass	2		X		
19. 2,4-pentanedione	1 qt	glass	1		X		
20. Bis(2-ethylhexyl)2-hexylphosphonate	1 qt	glass	1		X		
21. Collodian	4 qt	glass	4		X		
22. diisopropyl ketone	1 qt	glass	1		X		
23. 4-methyl 2-pentanone	2 qt	glass	2		X		
24. Acetonitrile	4 pt	glass	4		X		
25. Dimethylformamide	1 gal	glass	1		X		
26. Hexanol	1 l	glass	1		X		
27. Amyl acetate	12 pt	glass	12		X		
28. Ethyl acetate	3 pt	glass	3		X		
29. Cyclohexane	2 pt	glass	2		X		
30. 2-Butanone	3 kg	glass	1		X		
31. Chloroform	1 gal	glass	1		X		
32. Hexone	1 pt	glass	1		X		
33. Tetrahydrofuran	1 qt	glass	1		X		
34. Mono-2-ethylhexyl acid	1 qt	glass			X		

806117

9112230430

WASTE DESCRIPTION

HAZARD CLASS	DISPOSAL ITEM NO.	SHIPPING NAME	EPA NO.	ID. NO.	LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
Non-regulated	19	Acetyl acetone				1	Glass	1 qt
ORM-E	20	Bis(2-ethylhexyl)2 hexylphosphonate	NA	NA9189		1	Glass	1 qt
Flammable liquid	21	Collodion	D001	NA2059	Flammable liquid	4	Glass	1 qt
Non-regulated	22	Diisopropyl ketone				1	Glass	1 qt
Flammable liquid	23	Fl. Liq. N.O.S. methylisobutyl ketone	U161	UN1993	Flammable liquid	2	Glass	1 qt
Flammable liquid	*24	Acetonitrile	U003	NA1648	"	4	Glass	1 pt
Non-regulated	25	Dimethylformamide				1	Glass	1 gal
Non-regulated	26	Hexanol				1	Glass	1 liter
Flammable liquid	27	Amyl Acetate	D001	UN104	Flammable liquid	12	Glass	1 pt
"	28	Ethyl Acetate	U112	UN1173	"	3	Glass	1 pt
"	*29	Cyclohexane	U056	UN1145	"	2	Glass	1 pt
"	30	Methyl Ethyl ketone	U159	UN1193	"	1	Glass	3 kg
ORM-A	*31	Chloroform	U044	UN1088	"	1	Glass	1 gal
Flammable liquid	32	Hexone	U161	UN1993	"	1	Glass	1 pt
"	33	Tetrahydrofuran	U213	UN2056	"	1	Glass	1 qt
ORM-A	34	Hazardous Waste N.O.S. Mono-2 ethylhexyl	UN1693	NONE	"	1	Glass	1 qt

000119

8th, 85

On Friday, November 8, 1985, trench #19-N, the Oxidizer Trench at the Central Landfill was excavated in order to remove drums containing sodium nitrite. All other waste drums previously manifested to this trench were also removed. The following information is to be attached to each hazardous waste manifest which was affected by the excavation.

Manifest #	Status of Waste Drums After Trench Excavation:
RHO-13-33	Drums disposed to trash trench, central landfill.
PNL-7-23	Drums were returned back to oxidizer trench.
UNC-12-15B	Drums were returned back to oxidizer trench.
RHO-5-31	13 drums of sodium nitrite were not located in the oxidizer trench. It is assumed that burial took place in the corrosive trench, since the manifest gives a disposal date to the chemical trench.
RHO-13-9	Drums were disposed to trash trench, central landfill.
RHO-13-33	Drums were disposed to trash trench, central landfill.
RHO-13-5	Drums were disposed to trash trench, central landfill.
RHO-13-3	Drums were disposed to trash trench, central landfill. (designated for Chem. Trench)
PNL-7-25	2 lab packs ^A in this disposal request were not located in the oxidizer trench. It is assumed that past burial occurred in the corrosive trench, since the manifest shows disposal in the chemical trench.
RHO-13-3	Drums were disposed to trash trench, central landfill.
RHO-13-3	3 drums of sodium nitrite were transported to the 2727-S storage facility/300 west because of their EHW designation. For the 10 drums of hydrated nickel listed on the manifest, status is: 1 drum was also transported to 2727-S, for storage (EHW because of carcinogenic waste designation). At time of transport drum was not known. The hydrated nickel drum was opened at 2727-S for clear identification. The other 9 drums of hydrated nickel were not found in the oxidizer trench. It is assumed they were buried in the corrosive trench.
RHO-9-33	Drums redispensed to the oxidizer trench
PNL-5-17	Drums were disposed to trash trench, central landfill.

000120

9112230133

DONT SAY IT --- Write It!

DATE Aug 21, 1989TO HarlanFROM JeeneRe: PNL-84-007 (RHD 7-25) manifest# PNL-M-84-005

These chemicals should be coming your way soon. Attached is a highlited copy of your disposal approval. The chemicals in pink will be in this shipment. The chemicals in yellow were blown up by the Richland Bomb Squad. The chemical in green will be packaged with other hydrogen peroxide that I have. The chemicals with no highlite have been used up prior to my packaging for disposal.

+ TO MAKE LIFE LAST, PUT SAFETY FIRST +

000121

Disposal Analysis 7-25

ON-SITE DISPOSAL

HAZARD CLASS	DISPOSAL ITEM NO.	SHIPPING NAME	EPA NO.	ID. NO.	LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
Compatibility Group A								
Flammable Liquid	6	Ammonium Sulfide	D001	UN2683	Flammable Liquid	7	Glass	1 pt
"	10	Ethylacetate	U112	UN1173	"	1	Glass	1 pt
"	11	Hexone	U161	UN1993	"	4	Glass	1/2 gal
"	15	Butylalcohol	U031	NA1120	"	1	Glass	6 pt
"	21	Collodion	D001	NA2059	"	4	Glass	1 qt
"	23	Hexone	U161	UN1993	"	2	Glass	1 qt
"	27	Amyl Acetate	D001	UN1104	"	12	Glass	1 pt
"	28	Ethyl Acetate	U112	UN1173	"	3	Glass	1 pt
"	30	Methylethyl Ketone	U159	UN1193	"	1	Glass	3 kg
"	32	Hexone	U161	UN1993	"	1	Glass	1 pt
"	33	Tetrahydrofuran	U213	UN2056	"	1	Glass	1 qt
Compatibility Group B								
"	4	Perchloric acid 70%	D003	UN1873	Oxidizer	7	Glass	1 pt
"	7	Hydroperoxide 30%	D003	UN2014	"	7	Glass	1 pt

000122

Disposal Analysis 7-25

ONSITE DISPOSAL

HAZARD CLASS	DISPOSAL ITEM NO.	SHIPPING NAME	EPA NO.	ID. NO.	LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
Compatibility Group C								
ORM-A	14	Dichloromethane	NA	UN1593	None	1	metal	5 gal
ORM-E	20	Bis(2-ethylhexyl)2-hexylphosphonate	NA	NA9189	"	1	Glass	1 qt
"	34	Hazardous waste liquid N.O.S. (Mono-2-ethyl hexyl acid orthophosphate) IIA	NA	NA9189	"	1	Glass	1 qt
Combustible liquid	9	Combustible liquid N.O.S. (Glycerine)	NA	NA1993	"	1	Glass	1 pt
"	16	Combustible liquid N.O.S. (Octylalcohol)	NA	"	"	2	Glass	1 kg
"	17	Combustible liquid N.O.S. (Isopentyl alcohol)	NA	"	"	1	Glass	5 L.
"	19	Combustible liquid N.O.S. (Acetyl acetone)	NA	"	"	1	Glass	1 qt
"	25	Combustible liquid N.O.S. (Dimethyl formamide)	NA	"	"	1	Glass	1 gal
"	26	Combustible liquid N.O.S. (Hexanol)	NA	"	"	1	Glass	1 L.
Nonregulated	8	Lactic Acid	NA	"	"	1	Glass	5 lbs
"	22	Diisopropyl ketone	NA	"	"	1	Glass	1 qt
Packaged Separately								
Corrosive	2	Sulphuric Acid 94%	D002	UN1830	Corrosive	13	Plastic	1 gal

10123

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER

must be legibly filled in, in ink, in indelible Penckl, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

PNL-M-84-005

This document refers to disposal request #PNL-84-007.
RHO approved disposal request #7-25

TO: T/S/D FACILITY <u>Rockwell Hanford Operations</u> E.P.A. ID Code No. <u>WA-89-000-8967</u> Address <u>Richland, WA</u> Destination <u>Central Landfill & 2727S</u> Phone <u>Harlan Boynton 373-3516</u>	FROM: Generator <u>Battelle - PNL</u> E.P.A. ID Code No. <u>WA-89-000-8967</u> Address <u>Richland, WA</u> Origin <u>329 Building/300 Area</u> Phone <u>Jeene Hobbs 376-1631</u>
---	--

No. Shipping Units	PROPER SHIPPING NAME	HAZARD CLASS	HAZ. Mat. ID No.	EPA Haz Waste Code No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
#1	Waste Flammable Liquid Lab Pack	Flammable Liquid			260#	Flammable 11
#2	Hazardous Waste N.O.S.	ORM-E			275#	Hazardous Waste
#3	Waste Corrosive Liquid labpack	Corrosive material			360#	Corrosive
#4	Waste Flammable Liquid Labpack	Flammable liquid			170#	Flammable 11
NOTE: #1 & #2 go to the Central andfill Chemical Trench; #3 & #4 go to 2727S						

PLACARDS REQUIRED none

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

FREIGHT CHARGES
 PREPAID COLLECT

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY <u>2727S</u>	CONTACT Name <u>37 Single Point Contact</u>
E.P.A. ID Code No. _____	Phone <u>375-2400</u>
Address _____	National Response Center <u>1-800-424-8802</u>
Destination _____	in D. C. <u>426-2675</u>

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature Jeene Hobbs *Jeene Hobbs* Date _____

TRANSPORTER #1 Alcoa *Alcoa* E.P.A. ID No. _____
 Address _____
 City _____ State _____ Zip _____ Phone _____

Transporter No. 1 Alcoa This is to certify acceptance of the hazardous waste shipment. Date 2-3-84

Signature _____ Date _____

TRANSPORTER #2 _____ E.P.A. ID No. _____
 Address _____
 City _____ State _____ Zip _____ Phone _____

Transporter No. 2 _____ This is to certify acceptance of the hazardous waste shipment.
 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal

T/S/D FACILITY _____
 Signature Alcoa Date 2-3-84

TRANSPORTER #2 COPY C00370

9112230138

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER

must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

PNL-M-84-005

This document refers to disposal request #PNL-84-007
RHO approved disposal request #7-25

TO: T/S/D FACILITY <u>Rockwell Hanford Operations</u>	FROM: Generator <u>Battelle - PNL</u>
E.P.A. ID Code No. <u>WA-89-000-8967</u>	E.P.A. ID Code No. <u>WA-89-000-8967</u>
Address <u>Richland, WA</u>	Address <u>Richland, WA</u>
Destination <u>Central Landfill & 2727S</u>	Origin <u>329 Building/300 Area</u>
Phone <u>Harlan Boynton 373-3516</u>	Phone <u>Jeene Hobbs 376-1631</u>

Shipments Units	PROPER SHIPPING NAME	HAZARD CLASS	Net Weight kg	EPA Hazard Waste No.	WEIGHT	LABELS REQUIRE (or Exemption No.)
#1	Waste Flammable Liquid Lab Pack	Flammable Liquid			260#	flammable 1
#2	Hazardous Waste N.O.S.	ORM-E			275#	Hazardous Waste
#3	Waste Corrosive Liquid labpack	Corrosive material			360#	Corrosive
#4	Waste Flammable Liquid Labpack	Flammable liquid			170#	Flammable li
NOTE: #1 & #2 go to the Central Landfill Chemical Trench; #3 & #4 go to 2727S						

PLACARDS REQUIRED none

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

FREIGHT CHARGES
PREPAID COLLECT

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to a further carrier on the route to said destination. It is mutually agreed as to each carrier at all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY <u>2727S</u>	CONTACT Name <u>37 Single Point Contact</u>
E.P.A. ID Code No. _____	Phone <u>375-2400</u>
Address _____	National Response Center <u>1-800-424-8802</u>
Destination _____	in D. C. <u>426-2675</u>

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature Jeene Hobbs *Jeene Hobbs* Date _____

TRANSPORTER #1 DD *DD* Address Richland *1171 51st* State WA *WA* Zip 91552 *91552* Phone 376-1630 *376-1630* E.P.A. ID No. _____

Transporter No. 1 Signature Dumathy *Dumathy* This is to certify acceptance of the hazardous waste shipment. Date 8-23-84

TRANSPORTER #2 _____ E.P.A. ID No. _____

Address _____ State _____ Zip _____ Phone _____

Transporter No. 2 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY

T/S/D FACILITY _____ This is to certify acceptance of the hazardous waste for treatment, storage, or disposal

Signature D E Phelps *D E Phelps* Date 8-23-84

TRANSPORTED #1 COPY

000371

91122-0179

HAZARDOUS WASTE

Date August 27, 1984
To Leonard Lust
From Jeene Hobbs *Jeene*
Subject CHEMICAL DISPOSAL

Disposal request approval for #PNL-84-004, 25# of ether, is no longer needed. This chemical plus 6 quarts of tetrahydrofuran and 7 pints of perchloric acid from #PNL-84-007, 1/2 pint of perchloric acid from #PNL-83-020, and 4500 mL of 2-butoxyethanol from #PNL-83-014 were exploded by the Richland Bomb Squad on August 16, 1984. This information is provided to help you update your records.

If you have any questions, please contact me on 376-1361.

/slw

00G461

DISPOSAL PACKET NUMBER

P84-062

91122430441

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE / 11-1

GENERATION: The Generator should complete Part I and forward this form to:

WSDOT SWP4D
202 S/200 West 2750 E / 2nd E
Rockwell

- A. Generator's Name: Westinghouse Phone: _____ Address: _____ Company: _____
 B. Custodian's Name: R. D. Hensyel Phone: 6-3743 Address: 300 Area Company: Westinghouse
 C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. HN Hydroxylamanenitrate	Empty	55 gal.	16				Corrosive
2. Castic Soda	Empty	55 gal.	3				Corrosive
3. Open Top Drums	Empty	55 gal.	8				Contained Sand
4. Union Turbine Oil	Empty	55 gal.	2				Flammable ?
5. Cutting Fluid	Empty	55 gal.					

RADIATION RELEASE

- D. Have all labels been affixed to containers? Yes
 E. Have efforts been made to recycle (e.g., excess) waste? _____
 F. Has waste been treated in any manner? _____ If so, how? _____
 G. Storage Location: 300 Area Boneyard
 H. "I hereby certify that this material has been released by Radiation been completed to the best of my knowledge." Survey Card No

BUILDING None found DATE 8-23-84

RELEASED BY E. Henshel
RADIATION MONITORING

Hanford Engineering
Development Laboratory

Generator's Signature: R. D. Hensyel Date: 8-13-84

II. APPROVAL

- A. Approved for disposal by Name: L. F. Lust Phone: 3-4106 Address 2750 E Co.: RHO
 Date: 8-21-84 Signature: L. F. Lust
 B. Packaging Requirements (specify): See Disposal Analysis 11-1
 C. Disposal Location: See Disposal Chemical Trench, _____ Asbestos Trench, _____
 (check one) Analysis 11-1 212-P (Storage), _____ Other _____

III. TRANSPORTATION/DISPOSAL

- A. Transporter(s) Name: Timothy W. Toberg Phone: 376-8260 Address: 1100 Hilltop Company: RHO
 B. Date Transported/Disposed: 8-29-84 Signature: Timothy Toberg
 C. Transporter(s) Signature: Timothy Toberg

912230442

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE / 11-1

GENERATION: The Generator should complete Part I and forward this form to:

WEST SWPCD
202 S 200 WEST 2750 E / 200 E
Rockwell

A. Generator's Name: Westinghouse Phone: _____ Address: _____ Company: _____
 B. Custodian's Name: R. D. Hensyel Phone: 6-3743 Address: 300 Area Company: Westinghouse
 C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. HN Hydroxylamanenitrate	Empty	55 gal.	16				Corrosive
2. Castic Soda	Empty	55 gal.	13				Corrosive
3. Open Top Drums	Empty	55 gal.	8				Contained Sand
4. Union Turbine Oil	Empty	55 gal.	2				Flammable
5. Cutting Fluid	Empty	55 gal.	4				Flammable

D. Have all required labels been affixed to containers? Yes Not required _____
 E. Have efforts been made to recycle (e.g., excess) waste? Yes
 F. Has waste been treated in any manner? _____ If so, how? <1 in. of fluid
 G. Storage Location: 300 Area Boneyard
 H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: _____ day of loading 8-22-84
 Generator's Signature: R. D. Hensyel Date: 8-13-84

II. APPROVAL

A. Approved for disposal by Name: L. F. Lust Phone: 3-9106 Address 2750 E Co.: RHD
 Date: 9-21-84 Signature: L. F. Lust
 B. Packaging Requirements (specify): See Disposal Analysis 11-1
 C. Disposal Location: See Disposal Chemical Trench, _____ Asbestos Trench, _____
 (check one) Analysis 11-1 212-P (Storage), _____ Other _____

III. TRANSPORTATION/DISPOSAL

A. Transporter(s) Name: Timothy W. Toberg Phone: 376-8268 Address: 1100 Arlt Company: RHD
 B. Date Transported/Disposed: 8-29-84
 C. Transporter(s) Signature: Timothy Toberg

9112217043

HAZARDOUS WASTE MANIFEST

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

MANIFEST DOCUMENT NUMBER

WMC 84-002

T/S/D FACILITY: <u>Rockwell Division</u>	FROM Generator: <u>Writing House Division</u>
E.P.A. ID Code No.: <u>01A770008967</u>	E.P.A. ID Code No.:
Address: <u>Richland</u>	Address: <u>Richland</u>
Destination: <u>Chemical Trucks</u>	Origin: <u>300 Area</u>
Phone: <u>3-4106</u>	Phone: <u>37-3743</u>

QTY	SHIPPER SHIPMENT NAME	HAZARD CLASS	UN	PG	PKGS	REMARKS
16	Empty HN drums	Not Regulated	N/A	N/A	11-1	Empty
8	Empty Open Top drums	Not Regulated	N/A	N/A	11-1	Empty
2	Empty oil drums	Not Regulated	N/A	N/A	11-1	Empty
4	Empty Cutting oil drums	Not Regulated	N/A	N/A	11-1	Empty
3	Empty Sodium Hydroxide	Corrosive	UN 1824	002	11-1	Empty Corrosive
10	Empty Paint thinner drums	Not Regulated	UN 1593	N/A	11-1 10-25A	Empty, Flammable

PLACARDS REQUIRED

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

FREIGHT CHARGES
PREPAID COLLECT

RECEIVED, subject to the terms hereon and applies in effect on the date of the issue of this Bill of Lading. The property described herein is accepted good order, except as noted hereon and condition of contents of packages, contents, marks, containers, and certified as indicated above which said carrier (the vessel carrier being understood throughout this contract as including any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery or load destination, if so in these, otherwise to deliver to wharves or other carrier at the port to and destination. It is hereby agreed to and carrier of all to any oil, and property shall at any time of said route to destination and on to each party at any time hereon to all or any said property, that every service to be performed hereunder shall be subject to all the said of loading, unloading and stowage in the governing class/facility on the date of shipment. Shippers hereby certify that they are familiar with all the bill of lading terms and conditions on the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for transport and receipt.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY: _____	CONTACT Name: <u>L LUST</u>
E.P.A. ID Code No.: _____	Phone: <u>373-4106</u>
Address: _____	National Response Center: 1-800-424-8802
Destination: _____	In D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature: Red Hensley Date: 8-23-84

TRANSPORTER #1 RHO Transportation E.P.A. ID No. 01A770008967
 Address: RHO 1100 Area
 City: Richland State: WA Zip: _____ Phone: 6-6654

Transporter No. 1 Signature: _____ Date: 8-23-84
 - This is to certify acceptance of the hazardous waste shipment.

TRANSPORTER #2 Tiretally W 15 inc E.P.A. ID No. _____
 Address: RHO 1100 Area 1171 Bldg
 City: Richland WA State: WA Zip: 99552 Phone: 6-8868

Transporter No. 2 Signature: _____ Date: _____
 - This is to certify acceptance of the hazardous waste shipment.

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

T/S/D FACILITY Signature: D E T. P. P. P. Date: 8-23-1984

ORIGINAL - RETURN TO GENERATOR 00233

9112309444



Rockwell
International

Mr. R. D. Hensyel

Page 2

SEP 12 1984

Should you require further assistance regarding the disposition of wastes listed on Disposal Analysis 11-1, please contact me on 373-4802.

Very truly yours,

L. F. Lust

L. F. Lust
Solid Waste Processing & Disposal Unit

LFL:ra

Att.

91122430446

000235

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

11-1

I. GENERATION: The Generator should complete Part I and forward this form to:

W38BT SWP4D
202 S 200 West 2750E/208
Rockwell

- A. Generator's Name: Westinghouse Phone: _____ Address: _____ Company: _____
 B. Custodian's Name: R. D. Hensyel Phone: 6-3743 Address: 300 Area Company: Westinghouse
 C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. HN Hydroxylamanenitrate	Empty	55 gal.	16				Corrosive
2. Castic Soda	Empty	55 gal.	4				Corrosive
3. Open Top Drums	Empty	55 gal.	6				Contained Sand
4. Union Turbine Oil	Empty	55 gal.	2				Flammable ?
5. Cutting Fluid	Empty	55 gal.	4				Flammable ?

- D. Have appropriate labels been affixed to containers? Yes Not required _____
 E. Have efforts been made to recycle (e.g., excess) waste? Yes
 F. Has waste been treated in any manner? _____ If so, how? <1 in. of fluid
 G. Storage Location: 300 Area Boneyard
 H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: day of loading

Generator's Signature: R. D. Hensyel Date: 1-13-84

II. APPROVAL

- A. Approved for disposal by Name: L. F. Lust Phone: 3-9106 Address: 2750 E Co.: RHO
 Date: 8-21-84 Signature: L. F. Lust
 B. Packaging Requirements (specify): See Disposal Analysis 11-1
 C. Disposal Location: See Disposal Analysis 11-1 Chemical Trench, _____ Asbestos Trench, _____
 (check one) 212-P (Storage) Other _____

III. TRANSPORTATION/DISPOSAL

- Transporter(s) Name: _____ Phone: _____ Address: _____ Company: _____
 Date Transported/Disposed: _____
 Transporter(s) Signature: _____

00C236

9112200147

Disposal Analysis II-1

Onsite Disposal

Instructions for packaging, labeling and marking wastes for onsite disposal:

- o Apply the appropriate DOT label, as indicated on page 2 of 2, to the drum.
- o Mark the drum with the appropriate ID, as indicated on page 2 of 2.
- o Notify Transportation of the appropriate disposal trench for each group of drums:
 - Item 1 and 2 - Chemical Trench
 - Item 3 - Trash Trench
 - Item 4 and 5 - Construction Trench

91122570448

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000238

DISPOSAL ANALYSIS 11-1

HAZARD CLASS	DISPOSAL ITEM NO.	DOT SHIPPING NAME	EPA NO.	DOT ID. NO.	DOT LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
ONSITE DISPOSAL								
Not Regulated*	1	(HN Hydroxylamine)*	N/A	N/A	None	16	55 gal drum	Empty
Corrosive Material	2	Sodium Hydroxide	0002	UN1824	Corrosive	4	55 gal drum	Empty
Not Regulated	3	(sand drums)	N/A	N/A	None	6	55 gal drum	Empty
Not Regulated	4	(oil drums)	N/A	N/A	None	2	55 gal drum	Empty
Not Regulated	5	(cutting oil drums)	N/A	N/A	None	4	55 gal drum	Empty

*Not regulated in amount discarded.

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible pencil, or in carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

WHC 84-002

TO: T/S/D FACILITY <u>Rackwell Hanford</u>	FROM: Generator <u>Washing House Hanford</u>
E.P.A. ID Code No. <u>WA 780008967</u>	E.P.A. ID Code No.
Address <u>Richland</u>	Address <u>Richland</u>
Destination <u>Chemical Tanker</u>	Origin <u>300 Area</u>
Phone <u>2-4106</u>	Phone <u>6-3743</u>

Quantity	DOT PROPER SHIPPING NAME	HAZARD CLASS	UN	EPA Hazard Waste No.	WEIGHT	LABELS REQUIRED (or-Exemption No.)
16	Empty HN drums	Not Regulated	N/A	N/A		Empty
8	Empty Open Top drums	Not Regulated	N/A	N/A		Empty
2	Empty oil drums	Not Regulated	N/A	N/A		Empty
4	Empty Cutting oil drums	Not Regulated	N/A	N/A		Empty
3	Empty Sodium Hydride	Corrosive	UN 1824	RC02		Empty Corrosive
10	Empty Paint thinner drums	Flammable Not Regulated	UN 1993	N/A		Empty, Flammable

PLACARDS REQUIRED

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

FREIGHT CHARGES
PREPAID COLLECT

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above is accepted in good order, except as noted hereon and condition of contents of packages (contents, marks, consignee, and destination as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his designee.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY _____	CONTACT Name <u>L LUST</u>
E.P.A. ID Code No. _____	Phone <u>373-4106</u>
Address _____	National Response Center 1-800-424-8802
Destination _____	In D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature Rackwell Date 8-23-84

TRANSPORTER #1 RHO Transportation E.P.A. ID No. WA 780008967
 Address RHO 400 Area
 City Richland State WA Zip _____ Phone 6-6654

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature _____ Date 8-23-84

TRANSPORTER #2 Toro Waste Services E.P.A. ID No. _____
 Address Toro Waste Services
 City Richland State WA Zip 15-52 Phone 6-38610

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature _____ Date 8-23-84

TREATMENT/STORAGE/DISPOSAL FACILITY

T/S/D FACILITY _____ This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.
 Signature OK Date _____

TRANSPORTER #2 COPY

7-BLS-C (6-PLY)

91122-0150

GENERATION: The Generator should complete Part I and forward this form to:

WSDOT SWP4D
20257200 WEST 2750E / 200E
Rockwell

- A. Generator's Name: Westinghouse Phone: _____ Address: _____ Company: _____
- B. Custodian's Name: R. D. Hensyel Phone: 6-3743 Address: 300 Area Company: Westinghouse
- C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	[Check One]			Hazard Class
				Sol.	Liq.	Gas	
1. HN Hydroxylamanenitrate	Empty	55 gal.	16				Corrosive
2. Castic Soda	Empty	55 gal.	1 3				Corrosive
3. Open Top Drums	Empty	55 gal.	8 7				Contained Sand
4. Union Turbine Oil	Empty	55 gal.	2				Flammable
5. Cutting Fluid	Empty	55 gal.	4				

D. Have all labels been affixed to containers? Yes Not required _____

E. Have efforts been made to recycle (e.g., excess) waste? Yes

F. Has waste been treated in any manner? _____ If so, how? <1 in. of fluid

G. Storage Location: 300 Area Boneyard

H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that it has been completed to the best of my knowledge." Survey Card Number: day of loading 1

Generator's Signature: R.D. Hensyel Date: 8-18-84

II. APPROVAL

A. Approved for disposal by Name: L. F. Lust Phone: 3-4106 Address: 2750 E Co.: RHO
Date: 8-21-84 Signature: L. F. Lust

B. Packaging Requirements (specify): See Disposal Analysis 11-1

C. Disposal Location: See Disposal Analysis 11-1 Chemical Trench, _____ Asbestos Trench, _____
(check one) Analysis 11-1 212-P (Storage), _____ Other _____

III. TRANSPORTATION/DISPOSAL

A. Transporter(s) Name: T. J. Tolbert Phone: 326-8260 Address: 1100 1st St Company: RHO

B. Date Transported/Disposed: 8-22-84 By: D. E. Fisher

C. Transporter(s) Signature: T. J. Tolbert

91122430451

DISPOSAL ANALYSIS 11-1

HAZARD CLASS	DISPOSAL ITEM NO.	SHIPPING NAME	EPA NO.	DOT ID. NO.	P-T LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
Not Regulated*	1	(HM Hydroxylamine)*	N/A	N/A	None	16	55 gal drum	Empty
Corrosive Material	2	Sodium Hydroxide	D002	UN1824	CORROSIVE	4	55 gal drum	Empty
Not Regulated	3	(sand drums)*	N/A	N/A	None	6	55 gal drum	Empty
Not Regulated	4	(oil drums)*	N/A	N/A	None	2	55 gal drum	Empty
Not Regulated	5	(cutting oil drums)*	N/A	N/A	None	4	55 gal drum	Empty

* Not regulated in amount discarded

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

WHC 84-002

TO: T/S/D FACILITY <u>Rockwell Hanford</u>	FROM: Generator <u>Washing house Hanford</u>
E.P.A. ID Code No. <u>WA780008967</u>	E.P.A. ID Code No.
Address <u>Richland</u>	Address <u>Richland</u>
Destination <u>Chemical Transfer</u>	Origin <u>300 Area</u>
Phone <u>3-4106</u>	Phone <u>6-3743</u>

No. of Shipping Units	PROPER SHIPPING NAME	HAZARD CLASS	UN ID No.	EPA Hazard Waste No.	WEIGHT	LABELS REQUIRE (or Exemption No.)
16	Empty HN drums	Not Regulated	N/A	N/A		Empty
8	Empty Open top drums	Not Regulated	N/A	N/A		Empty
2	Empty oil drums	Not Regulated	N/A	N/A		Empty
4	Empty cutting oil drums	Not Regulated	N/A	N/A		Empty
3	Empty Sodium Hydroxide	Corrosive	UN 1824	0002		Empty Corrosive
10	Empty Paint thinner drums	Flammable Not Regulated	UN 1993 N/A	N/A		Empty Flammable

PLACARDS REQUIRED

<p><small>NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____</small></p>	<p><small>Subject to Section 7 of the contract, if this bill of lading is to be delivered to the consignee without release on the bill of lading, the shipper shall sign the release on delivery. The carrier shall be liable delivery of this hazardous waste material in bulk and of other hazardous materials.</small></p>	<p>FREIGHT CHARGES: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/></p>
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RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in appearing good order, except as noted hereon and condition of contents of packages (if any), packed, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his consignee.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY-RESPONSE INFORMATION
T/S/D FACILITY _____	CONTACT Name <u>L LUST</u>
E.P.A. ID Code No. _____	Phone <u>373-4106</u>
Address _____	National Response Center 1-800-424-8802
Destination _____	In D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature R. D. Hensel Date 8-23-84

TRANSPORTER #1 RHO transportation E.P.A. ID No. WA780008967
 Address RHO 1100 Ave
 City Richland State WA Zip _____ Phone 6-6654

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature _____ Date 8-23-84

TRANSPORTER #2 _____ E.P.A. ID No. _____
 Address 1120 1/2 Ave NE, 11272
 City RHO 1100 Ave State WA Zip 99152 Phone 6-8860

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.
 T/S/D FACILITY Signature D. P. [unclear] Date 8-23-84

TRANSPORTER #1 COPY

C00374

911220153

HAZARDOUS WASTE

DISPOSAL ANALYSIS 11-1

ONSITE DISPOSAL

Instructions for packaging, labeling and marking wastes for onsite disposal:

- Apply the appropriate DOT label, as indicated on page 2 of 2, to the drum.
- Mark the drum with the appropriate ID, as indicated on page 2 of 2.
- Notify Transportation of the appropriate disposal trench for each group of drums:
 - Items 1 & 2 - Chemical Trench (Corrosive)
 - Item 3 - Trash Trench
 - Items 4 & 5 - Construction Trench

DISPOSAL PACKET NUMBER

P84-063

9 1 1 2 2 1 3 0 4 5 5

HAZARDOUS WASTE MANIFEST

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

MANIFEST DOCUMENT NUMBER

This document refers to disposal request

PNL-M-83-003

10-9

TO: T/S/D FACILITY Rockwell Hanford Operation	FROM: Generator Battelle - PNL
E.P.A. ID Code No. WA7-89-000-8967	E.P.A. ID Code No. WA7-89-000-8967
Address Richland, WA	Address Richland, WA
Destination Central Landfill-chemical trench	Origin 306W/300 Area
Phone Harlan Boynton 373-3516	Phone Jeene Hobbs 376-1631

QTY	PROPER SHIPPING NAME	HAZARD CLASS	UN	DOT	WEIGHT	LABELS REQUIRED for Exemption
1	Waste Metal alloy 40% aluminum & 60% Calcium	Water Reactive solid	UN2813	DOT	400#	Flammable solid & Dangerous when wet

PLACARDS REQUIRED

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

Freight to be paid by the shipper, if the shipment is to be delivered to the consignee under contract, the shipper shall pay the freight charges. The carrier shall be held harmless for the shipment unless the shipper has paid the freight charges.

FREIGHT CHARGES
 PREPAID COLLECT

RECEIVED subject to the classification and terms in effect on the date of the issue of this Bill of Lading, the property described above in accordance with the description, weight, quantity, and condition of contents of the packages, marks, and labels as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property) shall be held responsible for the safe carriage of the property to the place of destination, if an insurable interest in the property is shown on the bill of lading, and as to such party as may be interested in all or any part of the property, that every service to be performed hereunder shall be subject to all the bills of lading and conditions in the governing classification on the date of shipment. The shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for shipment and the receipt.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY-RESPONSE INFORMATION
T/S/D FACILITY Phone _____	CONTACT Name <u>Single Point Contact</u>
E.P.A. ID Code No. _____	Phone <u>375-2400</u>
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature Jeene Hobbs *Jeene M Hobbs* Date 9-5-84

TRANSPORTER #1 _____ E.P.A. ID No. _____
 Address _____
 City _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature _____ Date _____

TRANSPORTER #2 _____ E.P.A. ID No. _____
 Address _____
 City _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY

T/S/D FACILITY This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.
 Signature W E Phelps Date 9-5-1984

ORIGINAL - RETURN TO GENERATOR 0185

9112270156

HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

MANIFEST DOCUMENT NUMBER

PNL-M-83-003

This document refers to disposal request #PNL-84-017.

TO: T/S/D FACILITY Rockwell Hanford Operation	FROM: Generator Battelle - PNL
E.P.A. ID Code No. WA7-89-000-8967	E.P.A. ID Code No. WA7-89-000-8967
Address Richland, WA	Address Richland, WA
Destination Central Landfill-chemical trench	Origin 306W/300 Area
Phone Harlan Boynton 373-3516	Phone Jeene Hobbs 376-1631

No. Shipping Units	PROPER SHIPPING NAME	HAZARD CLASS	UN2813	EPA Haz Waste No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
1	Waste Metal alloy 40% aluminum & 60% Calcium	Water Reactive solid	UN2813	D001	400#	Flammable solid & Dangerous when wet

PLACARDS REQUIRED

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

Subject to Section 7 of the agreement, if the shipment is to be delivered to the consignee without payment by the consignee, the shipper shall sign the reverse of this manifest. The shipper shall also retain a copy of this manifest until payment in full has been received.

FREIGHT CHARGES
PREPAID COLLECT

CEIVED, subject to the terms, conditions and tariffs in effect on the date of the issue of this Bill of Lading, the property described above is accepted for shipment in accordance with the terms and conditions of the contract of carriage. The carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

ALTERNATE DESTINATION (EMERGENCY ONLY)

EMERGENCY RESPONSE INFORMATION

T/S/D FACILITY None
E.P.A. ID Code No. _____
Address _____
Destination _____

CONTACT Name Single Point Contact
Phone 375-2400
National Response Center 1-800-424-8802
in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature Jeene Hobbs *Jeene M Hobbs* Date 9-5-84

TRANSPORTER #1 _____ E.P.A. ID No. _____
Address _____
City _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature _____ Date _____

TRANSPORTER #2 _____ E.P.A. ID No. _____
Address _____
City _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

T/S/D FACILITY Signature W E Phelps Date 9-5-1984

ORIGINAL - RETURN TO GENERATOR 00186

91122430457



Rockwell
International

Ms. J. M. Hobbs

Page 2

JUL 25 1984

Should you require further assistance regarding the disposition of wastes listed on Disposal Analysis 10-9, please contact me on 3-4033.

Very truly yours,

Mary Bluehs

M. B. Weihs

Solid Waste Processing & Disposal Unit

MBW:ra

Att.

cc: D. R. Groth w/att *DRG*
A. D. Poor w/att *ADP*

000183

Disposal Analysis 10-9

Onsite Disposal

The sacks and boxes of metal alloy waste must be overpacked and properly packaged, labeled and manifested for disposal at the Hanford Nonradioactive Hazardous Waste Chemical Trench.

Instructions for packaging, labeling and marking wastes for onsite disposal:

- o Wastes should be packaged in strong, tight metal containers, e.g., 10-, 30-, 55-gallon 17H drums.
- o Inert packing material such as kitty litter or vermiculite must be used to separate individual containers within the overpack.
- o DOT hazard class labels "Flammable Solid" and "Dangerous When Wet" must be applied to the overpacks.
- o A weather proof listing of the reagents must be applied to the overpacks, e.g., a protected cut out of the attached information which includes shipping name and identification number must be fixed to the overpack.
- o Mark the drum lid "This Side Up."
- o Mark the weight of the drum if it exceeds 110 lbs.
- o Mark a package identification number correlating with the Hazardous Waste Manifest.

000183

91122430460

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE PNL-84-017

GENERATION: The Generator should complete Part I and forward this form to:

WS&DT
202-S/200 West
Rockwell

10-9

- A. Generator's Name: Jeene Hobbs Phone: 6-1631 Address: 3762/300 Area Company: PNL
- B. Custodian's Name: Joe Webb Phone: 6-1180 Address: 303J/300 Area Company: PNL
- C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. metal alloy - 40%	30 gal	fiberboard	1	X	ingots		flammable solids &
2. aluminum & 60% calcium	200#	paper sacks	2	X	granular		water reactive solids
3.							n.o.s.
4.							
5.							

- D. Have appropriate labels been affixed to containers? except for waste labels Not required
- E. Have efforts been made to recycle (e.g., excess) waste? no
- F. Has waste been treated in any manner? no If so, how? _____
- G. Storage Location: 306W/300 Area

"I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: _____

Generator's Signature: Jeene Hobbs *Jeene Hobbs* Date: 20 June 84

II. APPROVAL

- A. Approved for disposal by Name: Mary B. Weihs Phone: 3-4033 Address: 2750-E Co.: Rockwell
Date: 7-18-84 Signature: *Mary B. Weihs*
- B. Packaging Requirements (specify): Refer to Disposal Analysis 10-9
- C. Disposal Location: Chemical Trench, Asbestos Trench,
(check one) 212-P (Storage), Other

III. TRANSPORTATION/DISPOSAL

- A. Transporter(s) Name: _____ Phone: _____ Address: _____ Company: _____
Date Transported/Disposed: _____
- C. Transporter(s) Signature: _____

9 | 22 AUG 0 162

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

This document refers to disposal request #PNL-84-017.

PNL-M-83-003

TO: T/S/D FACILITY Rockwell Hanford Operation	FROM: Generator Battelle - PNL
E.P.A. ID Code No. WA7-89-000-8967	E.P.A. ID Code No. WA7-89-000-8967
Address Richland, WA	Address Richland, WA
Destination Central Landfill-chemical trench	Origin 306W/300 Area
Phone Harlan Bonnton 373-3516	Phone Jeene Hobbs 376-1631

No Shipping Units	DOT PROPER SHIPPING NAME	HAZARD CLASS	HAZ. SOLID D. No.	EPA Haz Waste No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
1	Waste Metal alloy 40% aluminum & 60% Calcium	Water Reactive solid	DUN281	D001	400#	Flammable solid & Dangerous when wet

PLACARDS REQUIRED

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

Subject to Section 7 of the agreement, if this shipment is to be delivered to the consignee without receipt on the destination, the carrier shall sign the following statement: The carrier shall be liable for any loss or damage to the contents of this shipment without receipt of freight and all other local charges.

FREIGHT CHARGES
 PREPAID COLLECT

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of packages unopened), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY <u>None</u>	CONTACT Name <u>Single Point Contact</u>
E.P.A. ID Code No. _____	Phone <u>375-2400</u>
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION
 This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature Jeene Hobbs *Jeene M Hobbs* Date 9-5-84

TRANSPORTER #1 _____ E.P.A. ID No. _____
 Address _____
 City _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature _____ Date _____

TRANSPORTER #2 _____ E.P.A. ID No. _____
 Address _____
 City _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY 000347
 This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.
 T/S/D FACILITY Signature JEENE HOBBS Date 9-5-1984

TRANSPORTER #1 CDV

EPA-BLS-0 (6-81)

91122130463

HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER

must be legibly filled in, in ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

PNL-M-83-003

This document refers to
disposal request
#PNL-84-017.

TO: T/S/D FACILITY Rockwell Hanford Operation	FROM: Generator Battelle - PNL
E.P.A. ID Code No. WA7-89-000-8967	E.P.A. ID Code No. WA7-89-000-8967
Address Richland, WA	Address Richland, WA
Destination Central Landfill-chemical trench	Origin 306W/300 Area
Phone Hanan Boynton 373-3516	Phone Jeene Hobbs 376-1631

No. Shipping Units	PROPER SHIPPING NAME	HAZARD CLASS	UN2813	EPA Hazard Waste No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
1	Waste Metal alloy 40% aluminum & 60% Calcium	Water Reactive solid	UN2813	D001	400#	Flammable solid & Dangerous when wet

PLACARDS REQUIRED

<p><small>NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____</small></p>	<p><small>Subject to Section 7 of the agreement, if this shipment is to be consigned to the designated written receiver, the shipper shall sign the manifest with the receiver's name and address. The carrier shall also carry the manifest with the receiver's name and address.</small></p>	<p>FREIGHT CHARGES PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/></p>
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RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in approved good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract to mean any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY none	CONTACT Name J Single Point Contact
E.P.A. ID Code No. _____	Phone 375-2400
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature Jeene Hobbs *Jeene M Hobbs* Date 9-5-84

TRANSPORTER #1 _____ E.P.A. ID No. _____
Address _____
City _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature _____ Date _____

TRANSPORTER #2 _____ E.P.A. ID No. _____
Address _____
City _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

T/S/D FACILITY Signature JEENE HOBBS Date 9-5-1984

TRANSPORTER #2 COPY **G00366** **7-BLS-C (6 PLY)**

9112230464

DISPOSAL PACKET NUMBER

P84-064

91122480465

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: Dee Prichard / J. A. Jones Construction Services Co.

Phone Number: 376-0895

Contractor Contracted By: J. A. Jones Construction Services Co.

Location: Boneyard 300 Area Estimated Volume (ft³): 108

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: J. K. Griswold *JKG*

Date: 9-6-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 9-7-1984

91122430166

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible Penball, or in Carbon, and returned by the Agent.

MANIFEST DOCUMENT NUMBER

84-004

TO: T/S/D FACILITY <u>Central Landfill</u> E.P.A. ID Code No. _____ Address _____ Destination _____ Phone _____	FROM: Generator <u>JA Jones Construction Services Co.</u> E.P.A. ID Code No. <u>WA7890008967</u> Address <u>801 First St. Richland, WA 99352</u> Origin <u>300 Area</u> Phone <u>376-0895</u>
---	---

No. of Packages	PROPER SHIPPING NAME	HAZARD CLASS	EPA Hazardous Waste No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
2	Asbestos	ORM-C	11013	2750 LB	YES
	LUGGERS			Per Lugger	

PLACARDS REQUIRED

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____	FREIGHT CHARGES PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/>
--	--

RECEIVED. Subject to the classifications and weights in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages, unitization, marking, identification, and insurance) is received by the carrier for transportation throughout the contract as shown by any portion or certificate of the property under the contract to be carried to its usual place of delivery at said destination. It is the responsibility of the carrier to deliver to another carrier on the route to said destination. It is hereby agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time involved in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for delivery and his receipt.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY _____ E.P.A. ID Code No. _____ Address _____ Destination _____	CONTACT Name _____ Phone _____ National Response Center 1-800-424-8802 in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature J. K. Griswold Date 9-6-84

TRANSPORTER #1 _____ E.P.A. ID No. _____
 Address Rockwell 1171
 City Richland State WA Zip 99352 Phone 66654

This is to certify acceptance of the hazardous waste shipment.
 Transporter No. 1 Signature [Signature] Date 9-7-84

TRANSPORTER #2 _____ E.P.A. ID No. _____
 Address Rockwell 1171
 City Richland State WA Zip 99352 Phone 66654

This is to certify acceptance of the hazardous waste shipment.
 Transporter No. 2 Signature [Signature] Date 9-7-84

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.
 T/S/D FACILITY Signature [Signature] Date 9-7-84

TRANSPORTER #1 COPY 000424

9112200157

HAZAR US WASTE

DISPOSAL PACKET NUMBER

P84-065

2112330033

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: RTI - N. I. S. E. F.

Phone Number: 777

Contractor Contracted By: RTI

Location: 3-D Estimated Volume (ft³): 272

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: _____

Date: _____

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D. E. Phelps

Date: 9-10-1984

91122430469

DISPOSAL PACKET NUMBER

P84-066

0112200077

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE 11-23

GENERATION: The Generator should complete Part I and forward this form to: **WS&DT**
 202-S/200 West
 Rockwell

A. Generator's Name: L. GUERRA Phone: 3-2351 Address: 2707-W Company: Rockwell
 B. Custodian's Name: D. Rountry Phone: 3-2113 Address: MO-936/2-u Company: Rockwell
 C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. <u>FENAMINE</u>		<u>2 1/2 gal. Plastic</u>	<u>36 M.T.</u>	<input checked="" type="checkbox"/>			<u>ORM-A</u>
2. <u>Misc. DRY WASTE</u>		<u>Triple bagged</u>	<u>1</u>	<input checked="" type="checkbox"/>			<u>Non-Regulated</u>
3.							
4.							
5.							

D. Have appropriate labels been affixed to containers? YES Not required _____
 E. Have efforts been made to recycle (e.g., excess) waste? NOT Applicable
 F. Has waste been treated in any manner? YES If so, how? Empty containers - Triple RINSED
Dry Waste - Triple plastic bagged.
 G. Storage Location: Chemical Van, 200-W
 H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: NOT Applicable

Generator's Signature: Lupe Guerra Date: 9-4-84

9112230171

II. APPROVAL

A. Approved for disposal by Name: L F Lust Phone: 3-4902 Address 2750 E Co.: RHD
 Date: Sept 6, 1984 Signature: L F Lust
 B. Packaging Requirements (specify): _____
 C. Disposal Location: X Chemical Trench, _____ Asbestos Trench, _____
 (check one) _____ 212-P (Storage), _____ Other _____

III. TRANSPORTATION/DISPOSAL

A. Transporter(s) Name: _____ Phone: _____ Address: _____ Company: _____
 B. Date Transported/Disposed: _____
 C. Transporter(s) Signature: _____

000248

HAZARDOUS WASTE MANIFEST

MANIFEST DOCUMENT NUMBER

RHO-11-23

This manifest, covering the property named herein, and is intended solely for RMW or RCRA.

TO: TO/FACILITY <u>Rockwell Hartford</u>	FROM: <u>Generator</u>
E.P.A. ID Code No. <u>WA 789-000-8967</u>	E.P.A. ID Code No. <u>WA 789-000-8967</u>
Address <u>Richland WA</u>	Address <u>3707 W</u>
Destination <u>Chemical Trench</u>	Origin
Phone <u>373-9202</u>	Phone <u>3-2351</u>

QTY	PROPER SHIPPING NAME	HAZARD CLASS	HAZ. CODE	WEIGHT	LABELS REQUIRED (per Regulation No.)
36	Examine (Empty, triple rinsed)	ORM-A	NA 1765	4232	NONE
1	Dry waste - triple bagged	ORM-A	NA 1765	4232	NONE

CARDS REQUIRED

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

Freight Charges: PREPAID COLLECT

RECEIVED: Subject to the classification and terms in effect on the date of the issue of this Bill of Lading, the property described above is accepted good order, except as noted hereon and condition of shipment of hazardous materials, certain, non-hazardous, and certain as indicated above which used carrier (the vessel carrier being understood throughout this contract as including any person or persons) is on the possession of the property and the carrier agrees to carry it in accordance with the regulations of the Department of Transportation and the E.P.A. If no note, otherwise to deliver acceptable carrier on the date of said destination. It is hereby agreed by the shipper and carrier that all terms-conditions of said rules in disbursement and as to each party in any case, intended in all of any case property, that every carrier to be performed hereunder shall be subject to all the terms-conditions and conditions of the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted by the carrier.

ALTERNATE DESTINATION (EMERGENCY ONLY) EMERGENCY RESPONSE INFORMATION

TO/FACILITY <u>N/A</u>	CONTACT Name <u>GR Coy</u>
E.P.A. ID Code No. _____	Phone <u>333-3679</u>
Address _____	National Response Center <u>1-800-424-8802</u>
Destination _____	In D. C. <u>426-2675</u>

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature [Signature] Date 9/6/84

TRANSPORTER #1 Walter L. Saunders E.P.A. ID No. WA 789-000-8967
 Address 2707 W 200 WEST State WA Zip _____ Phone 3-2351

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 1 Signature [Signature] Date 9-13-84

TRANSPORTER #2 _____ E.P.A. ID No. _____
 Address _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.

Transporter No. 2 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

TO/FACILITY Signature _____ Date _____

GENERATOR'S COPY

000250

91220072

HAZARDOUS WASTE MANIFEST

MANIFEST DOCUMENT NUMBER

RHO-11-23

TO: TO FACILITY Rockwell Hazard FROM: Generator Rockwell Hazard
 E.P.A. ID Code No. WA 789-000-9967 E.P.A. ID Code No. WA 789-000-9967
 Address Richland WA Address 3707 W
 Origin Chemical Treach Origin
 Phone 1 FLU-T 372-9202 Phone Europe 3-2351

DOT PROPS SHIPPING NAME	HAZARD CLASS	PC	WEIGHT	LABELS REQUIRED
36 <u>Formaline (Empty, triple rinsed)</u>	<u>CM-A</u>	<u>NA 3765</u>	<u>U 332</u>	<u>NONE</u>
1 <u>Dry waste - triple bagged</u>	<u>ORM-A</u>	<u>NA 3765</u>	<u>U 332</u>	<u>NONE</u>

CARDS REQUIRED

Where the rate is dependent on value, shippers are to agree or declare the value of the property. This is hereby specifically stated by the shipper to be \$ _____

RECEIVED: Subject to the classification and marks in effect at the time of shipment, receipt, acceptance, and delivery of this manifest, the carrier agrees to carry in its possession at all times all hazardous waste and other materials in this manifest and to deliver them to the receiving facility or to the disposal site as directed by the shipper.

ALTERNATE DESTINATION

TO FACILITY NA CONTACT Richland
 E.P.A. ID Code No. _____
 Address _____
 Destination _____
 Telephone 8802
42-2675

I hereby certify that the above named materials are properly classified, packaged, labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature [Signature] Date 9/13/84
 TRANSPORTER #1 Walter L. Saunders E.P.A. ID No. WA 789-000-9967
 Address 2707 W 200 WEST
 City Richland State WA Zip _____ Phone 3-2351

This is to certify acceptance of the hazardous waste shipment.
 Transporter No. 1 Signature [Signature] Date 9-13-84

TRANSPORTER #2 _____ E.P.A. ID No. _____
 Address _____ State _____ Zip _____ Phone _____

This is to certify acceptance of the hazardous waste shipment.
 Transporter No. 2 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY
 TO FACILITY _____ This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.
 Signature _____ Date _____

GENERATOR'S COPY 000251

9112210473

RHD-11-23

This form is to be filled out by the generator and is not the Original Bill of Lading, nor is it a receipt, custody and property transfer document, and is intended solely for filing or record.

I/S/D FACILITY	Reckwell Hartford	EROM	Generator	Reckwell Hartford
E.P.A. ID Code No.	WA 789-000-8967	E.P.A. ID Code No.	WA 789-000-8967	
Address	Richard Rd	Address	Richard Rd	
Destination	Chemical Trench	Origin		
Phone	375-9802	Phone	375-9802	

QTY	HAZARDOUS WASTE DESCRIPTION	HAZARD CLASS	UNIFORM HAZARDOUS MATERIALS TABLE	WEIGHT	LABELS REQUIRED (or Exemption No)
36	Fenamine (Empty triple rinsed)	ORM-A	NA 1765 U232		NONE
1	Dry waste - triple bagged	ORM-A	NA 1765 U232		NONE

PLACARDS REQUIRED

NOTE: Where the value is dependent on weight, shippers are required to state and specify identifying the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ For _____

Freight charges to be collected, if the shipper is to collect or the consignee is to collect, the shipper must specify the amount and collect on behalf of the consignee. The amount and collect on behalf of the consignee.

FREIGHT CHARGES PREPAID	COLLECT
<input type="checkbox"/>	<input type="checkbox"/>

RECEIVED: Subject to the class, hazard and weight in effect on the date of the issue of this Bill of Lading, the property described above is accepted and shipped, except as noted (contents and condition of packages, marks, labels, etc.), and delivered to the carrier (the vessel carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) to carry it to its destination as indicated on the bill of lading and destination, if so the vessel, otherwise to another recipient carrier on the bill of lading. It is mutually agreed by the carrier of all bills of lading that all bills of lading are to be carried as per the bill of lading and destination as indicated on the bill of lading. It is mutually agreed by the carrier of all bills of lading that all bills of lading are to be carried as per the bill of lading and destination as indicated on the bill of lading. It is mutually agreed by the carrier of all bills of lading that all bills of lading are to be carried as per the bill of lading and destination as indicated on the bill of lading.

ALTERNATE DESTINATION (EMERGENCY ONLY)		EMERGENCY RESPONSE INFORMATION	
I/S/D FACILITY	N/A	CONTACT - Name	GR Co
E.P.A. ID Code No.		Phone	333-3679
Address		National Response Center	1-800-424-8802
Destination			In D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature	<i>[Signature]</i>	Date	9/16/84
TRANSPORTER #1	WALTER L. SANDERS	E.P.A. ID No.	WA 789-000-8967
Address	2707 W 200 West	City	Richland
State	WA	Zip	
Phone	3-2351		
Transporter No. 1		Date	9-13-84
Signature	<i>[Signature]</i>		

TRANSPORTER #2		E.P.A. ID No.	
Address		City	
State		Zip	
Phone			

TREATMENT/STORAGE/DISPOSAL FACILITY	
Signature	<i>[Signature]</i>
Date	9-13-84

GENERATOR'S COPY 000255

9112210174

HAZARDOUS WASTE MANIFEST

SHIPPING ORDER

must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

RHO-11-23

TO: T/S/D FACILITY <u>Rockwell Hanford</u>	FROM: Generator <u>Rockwell Hanford</u>
E.P.A. ID Code No. <u>WA 789-000-8967</u>	E.P.A. ID Code No. <u>WA 789-000-8967</u>
Address <u>Richland WA</u>	Address <u>2707 W</u>
Destination <u>Chemical Trench</u>	Origin
Phone <u>L. E. Lust 373-9802</u>	Phone <u>L. Guerra 3-2351</u>

No. Shipping Units	PROPER SHIPPING NAME	HAZARD CLASS	Haz. Mat. ID No.	EPA Haz. Waste No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
36	<u>Ferrous (Empty, triple rinsed)</u>	ORM-A	NA2765	U232		NONE
1	<u>Dry waste - triple bagged</u>	ORM-A	NA2765	U232		NONE

PLACARDS REQUIRED

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

Subject to Section 1 of the agreement, it is agreed that the shipper will be responsible for the payment of the freight charges on the manifest. The carrier shall be liable for the delivery of the manifest unless otherwise stated.

FREIGHT CHARGES
 PREPAID COLLECT

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in accordance with order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY <u>N/A</u>	CONTACT Name <u>GR Co</u>
E.P.A. ID Code No. _____	Phone <u>373-3679</u>
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature L. Guerra Date 9/6/84

TRANSPORTER #1 WALTER I SAUNDERS E.P.A. ID No. 41A-789-000-8967

Address 2707 W 200 WEST

City Richland State WA Zip _____ Phone 3-2351

Transporter No. 1 Signature Walter Saunders Date 9-13-84

This is to certify acceptance of the hazardous waste shipment.

TRANSPORTER #2 _____ E.P.A. ID No. _____

Address _____

City _____ State _____ Zip _____ Phone _____

Transporter No. 2 Signature _____ Date _____

This is to certify acceptance of the hazardous waste shipment.

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

T/S/D FACILITY Signature L. E. Lust Date 9-13-84

TRANSPORTER #2 CONT

000348
7-BLS-C (6 PLY)

9112200475

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

MANIFEST DOCUMENT NUMBER

RHO-11-23

TO: T/S/D FACILITY <u>Rockwell Hanford</u> E.P.A. ID Code No. <u>WA 789-000-8967</u> Address <u>Richland WA</u> Destination <u>Chemical Trench</u> Phone <u>L. E. Lust 373-9802</u>	FROM: Generator <u>Rockwell Hanford</u> E.P.A. ID Code No. <u>WA 789-000-8967</u> Address <u>2707 W</u> Origin Phone <u>L. Guerra 3-2351</u>
---	--

Shipping Units	PROPER SHIPPING NAME	HAZARD CLASS	Haz Mat ID No.	EPA Haz Waste No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
36	Fenamine (Empty, triple rinsed)	ORM-A	NA2765	U230		NONE
1	Dry waste - triple bagged	ORM-A	NA2765	U232		NONE

PLACARDS REQUIRED

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

FREIGHT CHARGES
 PREPAID COLLECT

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in agreement good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY <u>N/A</u>	CONTACT Name <u>GR Co</u>
E.P.A. ID Code No. _____	Phone <u>373-3679</u>
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature L. E. Lust Date 9/6/84

TRANSPORTER #1 WALTER I SAUNDERS E.P.A. ID No. WA-789-000-8967

Address 2707 W 200 WEST

City Richland State WA Zip _____ Phone 3-2351

Transporter No. 1 Signature Walter Saunders Date 9-13-84

TRANSPORTER #2 _____ E.P.A. ID No. _____

Address _____

City _____ State _____ Zip _____ Phone _____

Transporter No. 2 Signature _____ Date _____

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

T/S/D FACILITY Signature A E Phelps Date 9-13-1984

TRANSPORTER #1 ONDV

000389

91122580175

HAZARDOUS WASTE

DISPOSAL PACKET NUMBER

P84-067

91122430177

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: CARL C. SCHOCK

Phone Number: 373-2188

Contractor Contracted By: UNC

Location: 100 N Estimated Volume (ft³): 275

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Carl Schock

Date: 9-20-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: DE Phelps

Date: 9-20-1984

9112240478

DISPOSAL PACKET NUMBER

P84-068

91122430479

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

10-43

I. GENERATION: The Generator should complete Part I and forward this form to:

WSDOT SWP&D
302 S/200 West 3750E/200E
Rockwell

- A. Generator's Name: C. Veneziano Phone: 6-6131 Address: 747 Bldg. Company: HEHF
 B. Custodian's Name: same Phone: _____ Address: _____ Company: _____
 C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. Diethyl Sebacate	10 gal	55 GAL Drum	1	X			
2.							
3.							
4.							
5.							

- D. Have appropriate labels been affixed to containers? YES Not required _____
 E. Have efforts been made to recycle (e.g., excess) waste? no
 F. Has waste been treated in any manner? yes If so, how? Liquid made solid by vermiculite
 G. Storage Location: 747 Bldg.
 H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: _____

Generator's Signature: Cynthia D. Veneziano

Date: 7-31-84

II. APPROVAL

- A. Approved for disposal by Name: L. F. LUST Phone: 3-4106 Address: 7750E Co.: RHO
 Date: 8-14-84 Signature: L. Lust
 B. Packaging Requirements (specify): Ref. Disposal Analysis 10-43
 C. Disposal Location: Chemical Trench, _____ Asbestos Trench, _____
 (check one) _____ 212-P (Storage), _____ Other

III. TRANSPORTATION/DISPOSAL

- A. Transporter(s) Name: David L. Mangum Phone: 6-8860 Address: 1171 Bldg Company: RHO
 B. Date Transported/Disposed: 9-24-1994
David L. Mangum

000225

91122430490



Rockwell
International

Ms. Cynthia Veneziano

Page 2

SEP 05 1984

Should you require further assistance regarding the disposition of wastes listed on Disposal Analysis 10-43, please contact me on 3-4106.

Very truly yours,

L. F. Lust
Solid Waste Processing & Disposal Unit

LFL:ra

Att.

cc: D. R. Groth
A. D. Poor

000227

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

10-43

I. GENERATION: The Generator should complete Part I and forward this form to:

WGBT SWP&D
303 S/200 West 3750 E/200 E
Rockwell

A. Generator's Name: C. Veneziano Phone: 6-6131 Address: 747 Bldg. Company: HEHF

B. Custodian's Name: same Phone: _____ Address: _____ Company: _____

C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. Diethyl Sebacate	10 gal	55 GAL Drum	1	X			
2. (di-(2-ethylhexyl) sebacate)							
3.							
4.							
5.							

D. Have appropriate labels been affixed to containers? YES Not required _____

E. Have efforts been made to recycle (e.g., excess) waste? no

F. Has waste been treated in any manner? yes If so, how? Liquid made solid by vermiculite

G. Storage Location: 747 Bldg.

H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: _____

Generator's Signature: Cynthia D. Veneziano Date: 7-31-84

II. APPROVAL

A. Approved for disposal by Name: L. F. Lust Phone: 3-4106 Address: 3750 E Co.: RHO
Date: 8-14-84 Signature: L. F. Lust

B. Packaging Requirements (specify): Ref. Disposal Analysis 10-43

C. Disposal Location: Chemical Trench, _____ Asbestos Trench, _____
(check one) _____ 212-P (Storage), _____ Other

III. TRANSPORTATION/DISPOSAL

A. Transporter(s) Name: _____ Phone: _____ Address: _____ Company: _____

B. Date Transported/Disposed: _____

C. _____

000228

91122810433

Disposal Analysis 10-43

Offsite Disposal

Items listed in this section must be properly packaged and labeled for disposal at the Hanford Nonradioactive Hazardous Waste Chemical Trench.

Instructions for packaging, labeling, and marking wastes for onsite disposal.

- o Waste must be packaged in strong, tight metal DOT approved containers, unless otherwise specified in this Disposal Analysis.
- o Bungs must be in place and secured for transport.
- o Mark "DIOCTYL SEBACATE" on the side of each drum.

91122170134



Rockwell
International

Ms. Cynthia Veneziano

Page 2

SEP 05 1984

Should you require further assistance regarding the disposition of wastes listed on Disposal Analysis 10-43, please contact me on 3-4106.

Very truly yours,

L. F. Lust

L. F. Lust
Solid Waste Processing & Disposal Unit

LFL:ra

Att.

cc: D. R. Groth
A. D. Poor

000344

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

10-43

I. GENERATION: The Generator should complete Part I and forward this form to:

W8807 JWP&D
302 S/200 West 3750 E/300 E
Rockwell

- A. Generator's Name: C. Veneziano Phone: 6-6131 Address: 747 Bldg. Company: HEHF
 B. Custodian's Name: same Phone: _____ Address: _____ Company: _____
 C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
Dioctyl Sebacate	10 gal	55 GAL Drum	1	X			
3.							
4.							
5.							

- D. Have appropriate labels been affixed to containers? YES Not required _____
 E. Have efforts been made to recycle (e.g., excess) waste? no
 F. Has waste been treated in any manner? yes If so, how? Liquid made solid by vermiculite
 G. Storage location: 747 Bldg.
 H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: _____

Generator's Signature: Cynthia D. Veneziano Date: 7-31-84

II. APPROVAL

- A. Approved for disposal by Name: L. F. Lust Phone: 3-4106 Address: 7750 E Co.: RHO
 Date: 8-14-84 Signature: L. F. Lust
 B. Packaging Requirements (specify): Ref. Disposal Analysis 10-43
 C. Disposal Location: Chemical Trench, _____ Asbestos Trench, _____
 (check one) _____ 212-P (Storage), _____ Other _____

III. TRANSPORTATION/ DISPOSAL

- A. Transporter's Name: David L. Mangum Phone: 6-8860 Address: 1171 Blk Company: RHO
8-24-1984
David L. Mangum

394
00039

91122430498



Rockwell
International

Ms. Cynthia Veneziano
Page 2
SEP 05 1984

Should you require further assistance regarding the disposition of wastes listed on Disposal Analysis 10-43, please contact me on 3-4106.

Very truly yours,

L. F. Lust

L. F. Lust
Solid Waste Processing & Disposal Unit

LFL:ra

Att.

cc: D. R. Groth
A. D. Poor

000396

91122410490

DISPOSAL PACKET NUMBER

P84-069

91122450491

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: K. V. Hinkle 246

Phone Number: 573-1652

Contractor Contracted By: _____

Location: 15-100 D Estimated Volume (ft³): 225 ~~100~~ cu-ft

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: K. V. Hinkle 246

Date: 9-1-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 9-26-1984

91122430492

DISPOSAL PACKET NUMBER

P84-070

9 1 1 2 2 1 3 0 4 9 3

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

- 1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
- 2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
- 3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
- 4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: S. E. Jones

Phone Number: 3-2456

POOR COPY RECEIVED

Contractor Contracted By: Rockwell Hanford

Location: 272BB Estimated Volume (ft³): 325 Cu. ft.

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Ston E Jones

Date: 9/26/84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 9-27-1984

91122430494

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. -- A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: CARL C. SCHOCK

Phone Number: 3-2188

Contractor Contracted By: UNCC

Location: 100N Estimated Volume (ft³): 275

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Carl Schock

Date: 10-3-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: Q E T [Signature]

Date: 10-3-1984

9112280496

DISPOSAL PACKET NUMBER

P84-072

91122450497

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA-789-000-8967	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 RD Hensyel W18-79 WHE (504) 376-3793				A. State Manifest Document Number NA			
4. Generator's Phone				B. State Generator's ID NA			
5. Transporter 1 Company Name Rockwell Hartford		6. US EPA ID Number WA-789-000-8967		C. State Transporter's ID NA			
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 376-1420			
9. Designated Facility Name and Site Address Central Landfill Chemical Trench		10. US EPA ID Number WA-789-000-8967		E. State Transporter's ID NA			
				F. Transporter's Phone NA			
				G. State Facility's ID NA			
				H. Facility's Phone 6-6748			
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
	Oil, nos. Combustible Liquid NA1270		34	DM	Empty		None
	b.						
	c.						
	d.						
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.							
Printed/Typed Name RD Hensyel		Signature <i>RD Hensyel</i>			Date 10/11/84		
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>J.P.L.</i>		Date 10/11/84		
	Printed/Typed Name LARRY D. PAVILLA		Signature		Date		
	18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Date			
19. Discrepancy Indication Space							
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name DE Phelps		Signature <i>DE Phelps</i>			Date 10/11/84		

9112240498

000257

OUTGOING LTR. NO. **R84-3524**

INCOMING LTR. NO.

REPLY DUE

DIST:	LYR	ENCL	APPR
Ash, E.B.			
Bartholomew, D.C.			
Bellefleur, M.			
Carey, J.M.			
Crawford, A.C.			
Dashman, J.L.			
Di Poi, C.V.			
Donahue, J.W.			
Gimera, R.J.			
Gruba, R.S.			
Hammood, R.D.			
Haineman, R.E.			
Kinzer, J.E.			
Knight, S.E.			
Lanier, M.P.			
Mal, P.G.			
R.E.			
Milner, R.L.			
Ogden, L.R.			
Panno, K.J.			
Patterson, J.W.			
Pertin, J.G.			
Romer, A.L.			
Rosier, J.M.			
Selton, C.M.			
Wall, V.R.			
Zahn, L.L.			
Contract Administrator			
Control Files			
D.R. G... 11/1			
Lo... 11/1			
GR... 11/1			
AD Pool 11/1			
DD... 11/1			
WF... 11/1			
HA... 11/1			
DE... 11/1			

91122-380499

Rockwell Hanford Operations
 Energy Systems Group
 P.O. Box 800
 Richland, WA 99352



Rockwell
 International

OCT 03 1984

In reply, refer to letter R84 3524

Mr. R. D. Hensyel
 Westinghouse Hanford Company
 W/B-79
 Post Office Box 1970
 Richland, Washington 99352

Dear Mr. Hensyel:

DISPOSAL ANALYSIS NO. 11-31

Reference: Chemical Waste Disposal Request, September 20, 1984

The Solid Waste Processing and Disposal Unit (SWP&DU) of Rockwell Hanford Operations has completed analysis of the referenced Chemical Waste Disposal Request.

It has been determined that the waste oil listed on your request is not hazardous waste. This oil may be used for dust control by Rockwell Road, Track and Maintenance. Please contact A. D. Poor (6-1420) for arrangements to transfer the oil to Rockwell.

The empty drums (less than 1 inch of liquid) should be sent to the Central Landfill Chemical Trench. Enclosed is a partially completed Uniform Hazardous Waste Manifest. This manifest must accompany the shipment. Before shipment is made, the generator and a representative of SWP&DU must sign Block 16, "Generator's Certification."

After the shipment is completed, the manifest will be returned to me for distribution of the copies.

Should you require further assistance regarding the disposition of this material please contact me.

Very truly yours,

L. F. Lust

L. F. Lust, Senior Engineer
 Solid Waste Processing and Disposal Unit

LFL:ra

OCT 03 1984

000258

Complete unshaded parts
and forward to: SMP&DU
2750E/200E
Rockwell



ROCKWELL HANFORD OPERATIONS
CHEMICAL WASTE DISPOSAL REQUEST

Logbook # 11-31

Manifest(s) cross-reference

Requested by RD Heusyl Telephone number 6-3743 Address 4831 00 Company WHC
Signature RD Heusyl Date 9/20/84

602009

WASTE DESCRIPTION (if more than 12 items, continue on the back of this form)

of ont.	vol. of cont.	vol. of waste	container material	Chemical or Trade Name	Solid (S) Liquid (L) Gas (G)	Hazards *	Status **	Disposition and Date
34	55 gal	1700 gal 2500 gal	steel Drums	waste lubricating oil *	L	N/A	PF	Chem Trace 10/11/84
34	55 gal		steel Drums	Empty oil drums Orig. contents ← ppm PCB.	L	N/A	MT	←
				*Drum Numbers 40, 41, 42, 43, 48, 49, 50, 51, 53, 54, 55, 56, 57, 59, 61, 62, 63, 64, 65, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81				

Radiation Monitoring Release Survey Card Number (if applicable)

*Hazards
Corrosive-C Flammable-F
Oxidizer-O Explosive-E
Poison-P

**Status
Full-F New (unused)-N
Partially Full-PF
Empty (1 in.)-M
Triple rinsed (emp. drums)-T
Reacted-Rx
... (unreacted)-O

092000



HANFORD ENVIRONMENTAL HEALTH FOUNDATION

September 19, 1984

CO 8913

Hanford Engineering Development Laboratory
WHC-879
337/358
300 Area

Attn: R. D. Hensyel

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY ANALYSIS, PCB ANALYSIS AND FLASHPOINT TEST

The following are the results of the gas chromatography/mass spectroscopy (GC/MS) analysis of selected samples, and the PCB analysis and flashpoint test of 51 liquid waste samples received August 2, 1984. PCB's were analyzed by gas chromatography using a capillary column and electron capture detector, and the flashpoint test followed ASTM method D93-80 using a Pensky-Marten closed cup tester. The reported PCB part per million (ppm) values are on a weight/weight basis.

<u>Sample</u>	<u>GC/MS Results</u>	<u>ppm PCB's (type)</u>	<u>Flashpoint °C</u>
40		<1	>150
41		<1	83
42	Main constituents: isooctane and C ₉ - C ₁₃ aliphatic hydrocarbons with traces of xylene	1 (1260)	64
43		<1	>150
44	Main constituents: isooctane C ₉ - C ₁₂ aliphatic hydrocarbons	<1	21
45	Main constituents: C ₁₁ & C ₁₂ aliphatic hydrocarbons	<1	42
46	Main constituents: isooctane & C ₉ - C ₁₂ aliphatic hydrocarbons & xylene	<1	<4
47	Main constituents: C ₁₀ & C ₁₁ aliphatic hydrocarbons, traces of isooctane	<1	23
48		<1	>150
49		<1	>150
50		<1	125
51		<1	>150
52	Main constituents: C ₁₀ & C ₁₁ aliphatic hydrocarbons	<1	57

R. D Hensyel

2

September 19, 1984

Sample	GC/MS Results	ppm PCB's (type)	Flashpoint °C
53	Main constituents: C ₁₀ aliphatic hydrocarbons, & 2, 6-bis (1,1-dimethylethyl)-4-methyl-phenol	<1	>100
54		<1	>150
55		<1	>150
56		<1	80
57		<1	>150
58		2 (1260)	120
59		<1	60
60	Main constituents: isooctane C ₁₁ H ₁₀ , C ₁₂ H ₁₂ , C ₁₃ H ₁₄ naphthalenes, phenanthrenes	2 (1260)	60
61		<1	>150
62		<1	>150
63		<1	>150
64	Main constituents: C ₁₂ H ₁₂ naphthalenes, C ₁₃ -C ₁₇ aliphatic hydrocarbons, traces of phenanthrenes	<1	>150
65		<1	>150
66	Main constituents: C ₁₉ H ₄₀ aliphatic hydrocarbons, phenanthrenes	<10*	>150
67		<1	>100**
68		<1	>150
69		<1	>150
70		<1	>150
71	Main constituents: C ₉ H ₁₈ aliphatic hydrocarbons, 2,4-bis (1,1-dimethylethyl)-phenol, traces of isooctane	<1	80
72	Main constituents: C ₉ H ₁₈ aliphatic hydrocarbons	<1	58
73		<1	84
74		<1	>150
75		<1	>150
76		<1	>150
77		<1	>150
78		<1	>150
79		<1	>150
80		<1	>150
81		<1	>150
82	Main constituents: 2-propanol, isooctane, C ₁₀ H ₂₂ aliphatic hydrocarbons	1 (1260)	38
83		1 (1260)	74
84		<1	>150
85		1 (1260)	78
86		<1	>150
87		<1	>150

R. D Hensyel

3

September 19, 1984

Sample	GC/MS Results	ppm PCB's (type)	Flashpoint °C
88	Main constituents: C ₁₀ H ₂₂ aliphatic hydrocarbons and naphthalenics	<1	63
89		<1	>150
90		<1	>150

* Contains interferences that cannot be removed for PCB determination but are not detected by the GC/MS analysis.

** Steam smothered flame.

If you should have any questions, please contact us.



H. L. Boorse
Environmental Health Sciences

kw

91122430503

892000

From: Chemistry & Analysis
Phone: 376-3705
Date: July 30, 1984
Subject: FFTF Series 61984 Oil Samples

Westinghouse Hanford Company

To: RD Kensyel
Eng. Srv.
W/B-79

POOR COPY RECEIVED

Results of activity measurements performed upon the nineteen FFTF oil samples submitted to the laboratory on June 20th and the thirty two samples submitted on June 21st are as follows:

SAMPLE	TOTAL ALPHA	TOTAL BETA
61984-40	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-41	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-42	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-43	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-44	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-45 *	<1.6x10 ⁻⁷ µCi/ml	<2.8x10 ⁻⁷ µCi/ml
-46	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-47	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-48	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-49	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-50	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-51	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-52	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-53	<2.1x10 ⁻⁷ µCi/ml	<3.6x10 ⁻⁷ µCi/ml
-54	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-55	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-56	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-57	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-58	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-59	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-60	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-61	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-62	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-63	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-64	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-65	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-66	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-67 †	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-68	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-69	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-70	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-71	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-72	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-73	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-74	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-75	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml
-76	<1.9x10 ⁻⁷ µCi/ml	<3.5x10 ⁻⁷ µCi/ml

RECEIVED
JUL 31 1984
R.L. MARTIN

91122430504

-77	<8.1x10 ⁻⁸ uCi/ml	<1.4x10 ⁻⁷ uCi/ml
-78	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-79	<8.1x10 ⁻⁸ uCi/ml	<1.4x10 ⁻⁷ uCi/ml
-80	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-81	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-82	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-83	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-84	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-85	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-86	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-87	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-88	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-89	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml
-90	<1.9x10 ⁻⁷ uCi/ml	<3.5x10 ⁻⁷ uCi/ml

* The sample contained an aqueous phase amounting to 99% of the volume.
 **The sample contained an aqueous phase amounting to 99% of the volume.

The reference date for the measurements is 07-26-84.

Mr. R. Weiler

MR. Weiler
 Chemistry & Analysis

KRM:mw

cc: file

91122430505

DISPOSAL ANALYSIS NO. 11-31

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
----------	---------------	-------------------	------------------	---------------------------	-----------	------------	-------------------	-------------------	------------------------

OFFSITE DISPOSALONSITE DISPOSAL

1	*	Oil, NOS	Combustible Liquid	NA1270	None	None	34	55-gall drums	Empty
---	---	----------	-----------------------	--------	------	------	----	---------------	-------

*Drum Numbers as listed on attached Chemical Waste Disposal Request.

592000

POOR COPY RECEIVED

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

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA-789-000-8967	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 RD Hensyel W/B-79 WMC				A. State Manifest Document Number NA							
4. Generator's Phone 609 376-3243				B. State Generator's ID NA							
5. Transporter 1 Company Name Rockwell Hartford		6. US EPA ID Number WA-789-000-8967		C. State Transporter's ID NA							
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 6-1420							
9. Designated Facility Name and Site Address Central Landfill Chemical Trench		10. US EPA ID Number WA 789-000-8967		E. State Transporter's ID NA							
				F. Transporter's Phone NA							
				G. State Facility's ID NA							
				H. Facility's Phone 6-6749							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.		
a. oil, NOS combustible Liquid NA1270						40	DM	Empty	None		
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.											
Printed/Typed Name RD Hensyel								Signature RD Hensyel		Date 10/11/84	
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name LARRY A. PASILLA								Signature L. A. Pasilla		Date 10/11/84	
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name								Signature		Date	
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name D.E. Phelps								Signature D.E. Phelps		Date	

91122007

000266

TRANSPORTER #1

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA-789-000-8967	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 RD Hensyel W/B-79 WNC		WPK-11-32		A. State Manifest Document Number NA					
4. Generator's Phone (509) 375-3743				B. State Generator's ID NA					
5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA-789-000-8967		C. State Transporter's ID NA					
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 6-1420					
9. Designated Facility Name and Site Address Central Landfill Chemical Trench		10. US EPA ID Number WA 789-000-8967		E. State Transporter's ID NA					
				F. Transporter's Phone NA					
				G. State Facility's ID NA					
				H. Facility's Phone 6-6749					
GENERATOR	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.	Oil, NOS	combustible Liquid	NA170	40	DM	Empty	None	
	b.								
	c.								
	d.								
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.									
Printed/Typed Name RD Hensyel		Signature RD Hensyel		Date 10/11/84					
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials								
	Printed/Typed Name LARRY A PASILLA		Signature L. Pasilla		Date 10/11/84				
	18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name		Signature		Date					
19. Discrepancy Indication Space									
FACILITY	20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19:								
	Printed/Typed Name E E Phelps		Signature E E Phelps		Date 10/17/84				

911230508

DISPOSAL ANALYSIS NO. 11-33

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
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OFFSITE DISPOSAL

ONSITE DISPOSAL

1		011, NOS	Combustible Liquid	NA1270	None	None	40	55-gal drums	Empty
---	--	----------	--------------------	--------	------	------	----	--------------	-------

Handwritten notes and signatures in the right margin, including the number '40' and the word 'Empty'.

022270



HANFORD ENVIRONMENTAL HEALTH FOUNDATION

11-31
11-33

September 19, 1984

CO 8913

Hanford Engineering Development Laboratory
WHC-879
337/358
300 Area

6-6-980
If > 150, < 1 ppm no GC/MS anal

Attn: R. D. Hensyel

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY ANALYSIS, PCB ANALYSIS AND FLASHPOINT TEST

The following are the results of the gas chromatography/mass spectroscopy (GC/MS) analysis of selected samples, and the PCB analysis and flashpoint test of 51 liquid waste samples received August 2, 1984. PCB's were analyzed by gas chromatography using a capillary column and electron capture detector, and the flashpoint test followed ASTM method D93-80 using a Pensky-Marten closed cup tester. The reported PCB part per million (ppm) values are on a weight/weight basis.

Sample	GC/MS Results	ppm PCB's (type)	Flashpoint °C
40	Full (spiral?) Full-oil	<1	>150
41	night; white oil (spiral?)	<1	83
42	Full (spiral?) Main constituents: isooctane and C ₉ - C ₁₃ aliphatic hydrocarbons with traces of xylene	1 (1260)	64
43	6" sludge 12" solvent	<1	>150
44	Main constituents: isooctane	<1	21
45	12" solvent C ₉ - C ₁₂ aliphatic hydrocarbons	<1	42
46	6" sludge 10" solvent Main constituents: isooctane & C ₉ - C ₁₂ aliphatic hydrocarbons & xylene	<1	<4
47	7/4 Full no sludge Main constituents: C ₁₀ & C ₁₁ aliphatic hydrocarbons, traces of isooctane	<1	23
48		<1	>150
49		<1	>150
50		<1	125
51		<1	>150
52	1/2 Full Main constituents: C ₁₀ & C ₁₁ aliphatic hydrocarbons	<1	57

Full original oil
Final Paint Shop
open brnaga



R. D Hensyel

2

September 19, 1984

Sample	GC/MS Results	ppm PCB's (type)	Flashpoint °C
53	Main constituents: C ₁₀ aliphatic hydrocarbons, & 2, 6-bis (1,1-dimethylethyl)-4-methyl-phenol	<1	>100
54	<i>full, oil</i>	<1	>150
55		<1	>150
56	<i>full, oil</i>	<1	80
57		<1	>150
58		2 (1260)	120
59		<1	60
60	Main constituents: isooctane C ₁₁ H ₁₀ , C ₁₂ H ₁₂ , C ₁₃ H ₁₄ naphthalenes, phenanthrenes	2 (1260)	60
61	<i>1/2 full</i>	<1	>150
62		<1	>150
63		<1	>150
64		Main constituents: C ₁₂ H ₁₂ naphthalenes, C ₁₃ -C ₁₇ aliphatic hydrocarbons, traces of phenanthrenes	<1
65		<1	>150
66	Main constituents: C ₁₉ H ₄₀ aliphatic hydrocarbons, phenanthrenes	<10*	>150
67	<i>15 gal - compressor oil?</i>	<1	>100**
68		<1	>150
69		<1	>150
70		<1	>150
71	Main constituents: C ₉ H ₁₈ aliphatic hydrocarbons, 2,4-bis (1,1-dimethylethyl)-phenol, traces of isooctane	<1	80
72	Main constituents: C ₉ H ₁₈ aliphatic hydrocarbons	<1	58
73		<1	84
74		<1	>150
75		<1	>150
76		<1	>150
77		<1	>150
78		<1	>150
79		<1	>150
80		<1	>150
81		<1	>150
82	Main constituents: 2-propanol, isooctane, C ₁₀ H ₂₂ aliphatic hydrocarbons	1 (1260)	38
83		1 (1260)	74
84	<i>How there with?</i>	<1	>150
85		1 (1260)	78
86		<1	>150
87		<1	>150

? LOOKS like pin oil dont quite

R. D Hensyel

3

September 19, 1984

Sample	GC/MS Results	ppm PCB's (type)	Flashpoint °C
88	Main constituents: C ₁₀ H ₂₂ aliphatic hydrocarbons and naphthalenics	< 1	63
89		< 1	> 150
90		< 1	> 150

* Contains interferences that cannot be removed for PCB determination but are not detected by the GC/MS analysis.

** Steam smothered flame.

If you should have any questions, please contact us.

H. L. Boorse

H. L. Boorse
Environmental Health Sciences

kw

Ready to pump

40	53	57	61	48	70	68
41	54	58 - 2 ppm PCA	62	49	71	69
42 - ?	55	59	63	50	72	(2)
43	56	60 - 2 ppm PCA	64	51	73	
(1)	(4)	(2)	65	(4)	74	
			67		75	
					76	
					77	
					78	
					79	
					81	
					80	
					81	
					(12)	

Islyed + 40 capsule

58 } to Fire Dept
60 }
66 }
~~to Fire Dept~~
~~strong light~~

000273 total 34

91122130514

DISPOSAL ANALYSIS NO. 11-33

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
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OFFSITE DISPOSAL

ONSITE DISPOSAL

1		Oil, NOS	Combustible Liquid	NA1270	None	None	40	55-gal. drums	Empty
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000342

Rockwell Hanford Operations
Energy Systems Group
P.O. Box 800
Richland, WA 99352



Rockwell
International

001 03 1984

In reply, refer to letter R84 3524

Mr. R. D. Hensyel
Westinghouse Hanford Company
W/B-79
Post Office Box 1970
Richland, Washington 99352

Dear Mr. Hensyel:

DISPOSAL ANALYSIS NO. 11-31

Reference: Chemical Waste Disposal Request, September 20, 1984

The Solid Waste Processing and Disposal Unit (SWP&DU) of Rockwell Hanford Operations has completed analysis of the referenced Chemical Waste Disposal Request.

It has been determined that the waste oil listed on your request is not hazardous waste. This oil may be used for dust control by Rockwell Road, Track and Maintenance. Please contact A. D. Poor (6-1420) for arrangements to transfer the oil to Rockwell.

The empty drums (less than 1 inch of liquid) should be sent to the Central Landfill Chemical Trench. Enclosed is a partially completed Uniform Hazardous Waste Manifest. This manifest must accompany the shipment. Before shipment is made, the generator and a representative of SWP&DU must sign Block 16, "Generator's Certification."

After the shipment is completed, the manifest will be returned to me for distribution of the copies.

Should you require further assistance regarding the disposition of this material please contact me.

Very truly yours,

L. F. Lust, Senior Engineer
Solid Waste Processing and Disposal Unit

LFL:ra

000372

✓
Rockwell Hanford Operations
Energy Systems Group
P.O. Box 800
Richland, WA 99352



Rockwell
International

SEP 03 1984

In reply, refer to letter R84-3523

Mr. R. D. Hensyel
Westinghouse Hanford Company
W/B-79
Post Office Box 1970
Richland, Washington 99352

Dear Mr. Hensyel:

DISPOSAL ANALYSIS NO. 11-33

Reference: Chemical Waste Disposal Request, September 20, 1984

The Solid Waste Processing and Disposal Unit (SWP&DU) of Rockwell Hanford Operations has completed analysis of the referenced Chemical Waste Disposal Request.

It has been determined that the empty drums (less than one inch of liquid) listed in this request are not classified as hazardous waste. They should be transported to the Central Landfill Chemical Trench. Enclosed is a partially completed Uniform Hazardous Waste Manifest. This manifest, properly signed by the generator and a representative of SWP&DU in Block 16, must accompany the shipment.

After the shipment is completed, the manifest will be returned to me for distribution of the copies.

Should you require further assistance regarding the disposition of these drums, please contact me.

Very truly yours,

L. F. Lust, Senior Engineer
Solid Waste Processing and Disposal Unit

LFL:ra

000373

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>WA-789-000-8967</i>	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 <i>RD Hensyel W1B-79 WHE (504) 376-3743</i>				A. State Manifest Document Number <i>NA</i>				
4. Generator's Phone () <i>WHE (504) 376-3743</i>				B. State Generator's ID <i>NA</i>				
5. Transporter 1 Company Name <i>Rockwell Hanford</i>		6. US EPA ID Number <i>WA-789-000-8967</i>		C. State Transporter's ID <i>NA</i>				
7. Transporter 2 Company Name <i>NA</i>		8. US EPA ID Number <i>NA</i>		D. Transporter's Phone <i>376-1420</i>				
9. Designated Facility Name and Site Address <i>Central Landfill Chemical Trench</i>				E. State Transporter's ID <i>NA</i>				
				F. Transporter's Phone <i>NA</i>				
				G. State Facility's ID <i>NA</i>				
				H. Facility's Phone <i>6-6748</i>				
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. <i>Oil, nos. Combustible Liquid NA1270</i>				<i>34</i>	<i>DM</i>	<i>Empty</i>		<i>None</i>
b.								
c.								
d.								
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.								
Printed/Typed Name <i>RD Hensyel</i>						Signature <i>RD Hensyel</i>		Date <i>10 11 84</i>
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name <i>LARRY D. PASILLA</i>						Signature <i>L. Pasilla</i>		Date <i>10 11 84</i>
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name						Signature		Date
19. Discrepancy Indication Space								
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name						Signature		Date

000290

9112280519

GENERATOR

TRANSPORTER

FACILITY

DISPOSAL PACKET NUMBER

P84-073

91122430520

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: D. A. Prichard

Phone Number: 376-0895

Contractor Contracted By: J. A. Jones Const. Service

Location: 300 Area Estimated Volume (ft³): 2 LUGGERS-2750 Lb. ea.

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: J. K. Griswold *JKG*

Date: 10-11-84

RM

Survey Card # 500874 *W*

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: *D E Phelps*

Date: 10-12-1984

000416

91122430521

HAZARDOUS WASTE MANIFEST

THIS SHIPPING ORDER

MANIFEST DOCUMENT NUMBER

84-005

TO: T/S/D FACILITY Central Landfill	FROM: Generator JA Jones Construction Service Co.
E.P.A. ID Code No.	E.P.A. ID Code No. 7A7890008967
Address	Address 801 First St Richland, WA 99352
Destination	Origin 300 Area
Phone	Phone 376-0995

No. of Containers	PROPER SHIPPING NAME	HAZARD CLASS	UNIT WEIGHT	HAZ. WASTE No.	WEIGHT	LABELS REQUIRED (or Exemption No.)
2	Asbestos	ORM-C		U013	2750 LB	YES
	LUGGERS				Per Lugger	

PLACARDS REQUIRED

<p><small>NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ Per _____</small></p>	<p>FREIGHT CHARGES <input type="checkbox"/> PREPAID <input type="checkbox"/> COLLECT</p>
---	---

RECEIVED. Subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above is accepted in good order, except as noted (contents and condition of contents of packages unknown), marked, counted, and secured as indicated on this bill of lading (the warehouse being understood throughout this document as including any person or corporation in possession of the property under the contract) agree to carry to the usual place of delivery or final destination, if so instructed, to deliver to carrier or carrier's agent on the route to said destination. It is mutually agreed as to each party of all or any of, said property over all or any portion of said route to destination and as to each party at any time included in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Greater liability coverage may be available with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his designee.

ALTERNATE DESTINATION (EMERGENCY ONLY)	EMERGENCY RESPONSE INFORMATION
T/S/D FACILITY _____	CONTACT - Name _____
E.P.A. ID Code No. _____	Phone _____
Address _____	National Response Center 1-800-424-8802
Destination _____	in D. C. 426-2675

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the E.P.A.

Generator Signature J. K. Griswold JKH Date 10-11-84

TRANSPORTER #1 H.J. Moseley E.P.A. ID No. _____
 Address _____
 City Richland State Wash Zip 99352 Phone 64860

Transporter No. 1 Signature H.J. Moseley Date 10-12-84

TRANSPORTER #2 H.J. Moseley E.P.A. ID No. _____
 Address _____
 City Richland State Wash Zip 99352 Phone 64860

Transporter No. 2 Signature H.J. Moseley Date 10-12-84

TREATMENT/STORAGE/DISPOSAL FACILITY

This is to certify acceptance of the hazardous waste for treatment, storage, or disposal.

T/S/D FACILITY Signature D.E. Phelps Date 10-12-1984

TRANSPORTER #1 COPY 000117

91122

HAZARD WASTE

HAZARDOUS WASTE

DISPOSAL PACKET NUMBER

P84-074

91122430523

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 RD Hensyel W/O-71 WNC			WHR-13-7		
4. Generator's Phone (509) 376-3743			A. State Manifest Document Number NA		
5. Transporter 1 Company Name Rockwell Hartford			B. State Generator's ID NA		
7. Transporter 2 Company Name NA			C. State Transporter's ID NA		
9. Designated Facility Name and Site Address Central Landfill Chemical Trench			D. Transporter's Phone 6-1420		
10. US EPA ID Number WA 789 000 8967			E. State Transporter's ID NA		
10. US EPA ID Number WA 789 000 8967			F. Transporter's Phone NA		
10. US EPA ID Number WA 789 000 8967			G. State Facility's ID NA		
10. US EPA ID Number WA 789 000 8967			H. Facility's Phone 6-6748		

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
	No.	Type			
a. Not Regulated None None	20	DM	0 (Empty)	-	None
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above	K. Handling Codes for Wastes Listed Above
---	---

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name RD Hensyel	Signature <i>RD Hensyel</i>	Date Month Day Year
---	--------------------------------	------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials	Date
Printed/Typed Name Timothy W Tobery	Month Day Year 10 16 87

18. Transporter 2 Acknowledgement of Receipt of Materials	Date
Printed/Typed Name J. A. Aldridge	Month Day Year 10 16 87

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.	Date
Printed/Typed Name D E Proton	Month Day Year 10 17 87

000291

91122110524



Rockwell
International

Mr. R. D. Hensyel

Page 2

OCT 22 1984

Should you require further assistance regarding the disposition of the wastes listed on the subject Disposal Analysis, please contact Mr. L. F. Lust (3-4802).

H. A. Haerer, Project Manager
Hazardous Waste Program

HAN:LFU:na

Att.

91122430526

000293

DISPOSAL ANALYSIS NO. 12-7

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
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OFFSITE DISPOSALONSITE DISPOSAL

1		Not Regulated	NA	NA	NA	NA	70	55-gal. drum	Empty
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00C:291

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	Manifest Document No. 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address RD Hensyel W/O-M WMC			WMC-12-7		A. State Manifest Document Number NA	B. State Generator's ID NA
4. Generator's Phone (509) 376-3743			6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID NA	D. Transporter's Phone 6-1430
5. Transporter 1 Company Name Rockwell Hartford			7. Transporter 2 Company Name NA		E. State Transporter's ID NA	F. Transporter's Phone NA
9. Designated Facility Name and Site Address Central Landfill Chemical Trench			10. US EPA ID Number WA 789000 8967		G. State Facility's ID NA	H. Facility's Phone 6-6748
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. Not Regulated None None				20 DM	0 (Empty)	-
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.						
Printed/Typed Name RD Hensyel			Signature RD Hensyel I J Lust		Date Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature Timothy W Tabery		Date 12 16 94	
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature J A Aldridge		Date 10 11 97	
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 D E Phelps			Signature D E Phelps		Date Month Day Year	

911221999

000296

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	Manifest Document No. WHC-12-7	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address RD Hensyel w/o-79 WHC				A. State Manifest Document Number NA			
4. Generator's Phone (509) 376-3743				B. State Generator's ID NA			
5. Transporter 1 Company Name Rockwell Hartford		6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID NA			
7. Transporter 2 Company Name NA		8. US EPA ID Number WA 789 000 8967		D. Transporter's Phone 6-1420			
9. Designated Facility Name and Site Address Central Landfill Chemical Trench		10. US EPA ID Number WA 789 000 8967		E. State Transporter's ID NA			
				F. Transporter's Phone NA			
				G. State Facility's ID NA			
				H. Facility's Phone 6-6748			
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			12. Containers	13. Total	14. Unit	15. Waste No.
				No.	Quantity	Wt/Vol	
	a.	Not Regulated	None	None	70	0	None
	b.				DM (Empty)		
	c.						
d.							
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.							
Printed/Typed Name RD Hensyel			Signature <i>RD Hensyel</i>			Date Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials			Printed/Typed Name Timothy W Tobery			Signature <i>Timothy W Tobery</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials			Printed/Typed Name J. A. Aldridge			Signature <i>J. A. Aldridge</i>	
19. Discrepancy Indication Space						Date 10 11 89	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name D E Proton			Signature <i>D E Proton</i>			Date Month Day Year	

000365

9112250530

DISPOSAL PACKET NUMBER

P84-075

9 1 1 2 2 4 3 0 5 3 1

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: Jan Davis

Phone Number: 376-3036

Contractor Contracted By: Rockwell Hanford

Location: 1171 Bldg 1100 Area Estimated Volume (ft³): 1 CF

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Jan Davis

Date: 10-24-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 10-25-1984

91122430532

DISPOSAL PACKET NUMBER

P84-076

9 1 1 2 2 1 3 0 1 3 3

POOR COPY RECEIVED

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

Form Approved. OMB No. 2000-0404. Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967		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 FA Hall 609/600 Area		4. Generator's Phone 509 373-1409		5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 789 000 8967		7. Transporter 2 Company Name NA	
8. Designated Facility Name and Site Address Central Landfill Chemical Trench		9. US EPA ID Number WA 789 000 8967		A. State Manifest Document Number NA		B. State Generator's ID NA		C. State Transporter's ID NA	
10. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		11. Containers No.		12. Type		13. Total Quantity		14. Unit Wt/Vol	
a. Not Regulated None None		135		DM		Empty		-	
b. Not Regulated None None		1		DM		50		P	
c.									
d.									
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.									
Printed/Typed Name B. E. Good					Signature <i>B. E. Good</i>		Date 10/18/84		
17. Transporter 1 Acknowledgement of Receipt of Materials					Signature <i>Earl Flagor</i>		Date 10 30 84		
18. Transporter 2 Acknowledgement of Receipt of Materials					Signature L		Date		
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name D E Thezas					Signature <i>D E Thezas</i>		Date 10 22 84		

91122100534

000274

Internal Letter



Rockwell International

Date October 25, 1984

No . 05000-84-053

TO: (Name, Organization, Internal Address)

FROM: (Name, Organization, Internal Address, Phone)

F. M. Hall
609/600 Area

H. A. Haerer
Hazardous Waste Program
3-4216

Subject . DISPOSAL ANALYSIS NO. 11-37

Reference: Chemical Waste Disposal Request, October 1, 1984

The Solid Waste Processing and Disposal Unit (SWP&DU) of Rockwell Hanford Operations (Rockwell) has completed analysis of the referenced Chemical Waste Disposal Request. Disposal instructions for these wastes are prescribed in the attached, subject Disposal Analysis.

All packaging, labeling and marking of the waste must be completed in accordance with the prescribed instructions, which are based on Department of Transportation (DOT) regulations 49 CFR 171-179. In accordance with 40 CFR 263, a properly completed Uniform Hazardous Waste Manifest is required to accompany all waste shipments. A partially completed manifest is attached for your use.

After packaging, labeling and marking have been completed by the waste generator, inspection of the waste packages will be made by SWP&DU personnel as required to certify that the waste is prepared in the manner designated in the subject Disposal Analysis. After inspection, an SWP&DU representative will sign the manifest. Failure of the generator to comply with the instructions in the subject Disposal Analysis will result in suspension of disposal privileges for the offending facility.

Arranging for transportation of waste packages directly to the Hanford Nonradioactive Hazardous Waste Disposal Trench is a generator responsibility and may be implemented following compliance with the disposal instructions for Onsite Disposal in the subject Disposal Analysis, completion of the manifest and certification by SWP&DU. Transportation arrangements can be made by contacting A. D. Poor (6-1420).

Should you require further assistance regarding the disposition of the wastes listed on the subject Disposal Analysis, please contact Mr. L. F. Lust (3-4802).

H. A. Haerer

H. A. Haerer, Project Manager
Hazardous Waste Program

HAH:LFL:ra

Att.

cc: G. R. Cox *GRC*
D. R. Groth *DRG*
L. F. Lust
A. D. Poor

DISPOSAL ANALYSIS NO. 11-37

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
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OFFSITE DISPOSALONSITE DISPOSAL

1	NA	Not Regulated	None	None	None	None	185	Steel Drum	Empty
3	NA	Not Regulated	None	None	None	None	1	Steel Drum	50 Pounds

000276

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 FA Hall 609/600 Area		RHO-11-37		A. State Manifest Document Number NA					
4. Generator's Phone (509) 373-1409				B. State Generator's ID NA					
5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID NA					
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 6-1420					
				E. State Transporter's ID NA					
				F. Transporter's Phone NA					
9. Designated Facility Name and Site Address Central Landfill Chemical Trench		10. US EPA ID Number WA 789 000 8967		G. State Facility's ID NA					
				H. Facility's Phone 6-6746					
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
	a. Not Regulated None None			185	DM	Empty	-	None	
	b. Not Regulated None None			1	DM	50	P	None	
	c.								
	d.								
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.									
Printed/Typed Name D. L. Good						Signature D. L. Good			Date 10/18/84
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials								
	Printed/Typed Name						Signature Earl Flagor		
							Date 10/30/84		
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name EARL FLAGOR						Signature E			
						Date			
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name D E Therps						Signature D E Therps			Date 10/30/84

000278

911223033

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 FM Hall 609/600 Area			RHO-11-37		A. State Manifest Document Number NA			
4. Generator's Phone (509) 373-1409					B. State Generator's ID NA			
5. Transporter 1 Company Name Rockwell Hanford			6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID NA			
7. Transporter 2 Company Name NA			8. US EPA ID Number NA		D. Transporter's Phone 6-1420			
9. Designated Facility Name and Site Address Central Landfill Chemical Trench			10. US EPA ID Number WA 789 000 8967		E. State Transporter's ID NA			
					F. Transporter's Phone NA			
					G. State Facility's ID NA			
					H. Facility's Phone 6-6748			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
					No.	Type		
a.	RM	Not Regulated	None	None	185	DM	Empty	- None
b.		Not Regulated	None	None	1	DM	50	P None
c.								
d.								
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.								
Printed/Typed Name D. E. Good					Signature D.E. Good		Date 10/18/84	
17. Transporter 1 Acknowledgement of Receipt of Materials					Date			
Printed/Typed Name					Signature Earl Flagor		Date 10/30/84	
18. Transporter 2 Acknowledgement of Receipt of Materials					Date			
Printed/Typed Name EARL FLAGOR					Signature L		Date	
19. Discrepancy Indication Space								
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name D E Phelps					Signature D E Phelps		Date 10/30/84	

91122130539

C00365

DISPOSAL PACKET NUMBER

P84-077

9 1 1 2 2 1 3 0 5 4 0

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

- 1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
- 2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
- 3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
- 4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: Clyde G. Manie

Phone Number: 32385

Contractor Contracted By: BHO

Location: 271 U Estimated Volume (ft³): 2 @ 200³ of Each *2-Dumpsters*

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Clyde G. Manie

Date: 10-29-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: JO E Phelps

Date: 10-31-1984

91122130541

DISPOSAL PACKET NUMBER

P84-078

91122430542

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: Eugene L. Green

Phone Number: 3-2355

Contractor Contracted By: FHC

Location: 2101M Estimated Volume (ft³): 100 cu ft

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Eugene L. Green

Date: 10/30/84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: DE Phelps

Date: 11-1-1984

DISPOSAL PACKET NUMBER

P84-079

9 1 1 2 2 1 3 0 5 4 4

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: A. L. Campbell

Phone Number: 31121

Contractor Contracted By: R.H.O.

Location: 284 W Estimated Volume (ft³): 100 cuft

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: A. L. Campbell

Date: 10-30-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 11-1-1984

DISPOSAL PACKET NUMBER

P84-080

91122130546

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE 10-21

GENERATION: The Generator should complete Part I and forward this form to:

Read 7/14/84

WS&DT
202-7200 West
Rockwell

Harlan Baynton
2750E/200E
Rockwell

- A. Generator's Name: H.A. Clark Phone: 32319 Address: 2722-E Company: RHO
 B. Custodian's Name: H.A. CLARK Phone: 32319 Address: 2722-E Company: RHO
 C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. Sodium Hydroxide	100	Steel DRUM	100		✓		
2. Ethylamine	25	Steel DRUM	25		✓		NON-HAZARDOUS
3. Sodium Sulphite	15	FIBER DRUM	15	✓			
4.							
5.							

- D. Have appropriate labels been affixed to containers? Yes Not required
 E. Have efforts been made to recycle (e.g., excess) waste? YES
 F. Has waste been treated in any manner? NO If so, how? DRUMS ARE EMPTY
 G. Storage Location: 284-E - 284-W
 I. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: TRU-1451 DHS

Generator's Signature: H.A. Clark Date: 7-6-84

II. APPROVAL

- A. Approved for disposal by Name: G.F. LUST Phone: 3-4802 Address: 2750-E Co.: Rockwell
 Date: 7-26-84 Signature: G.F. Lust
 B. Packaging Requirements (specify): Refer to Disposal Analysis 10-21
 C. Disposal Location: Chemical Trench, Asbestos Trench,
 (check one) 212-P (Storage), Other

III. TRANSPORTATION/DISPOSAL

- A. Transporter(s) Name: T.W. Tobey Phone: 376-8200 Address: 1171 Bldg Company: RHC
 Date Transported/Disposed: 11-21-84
 C. Transporter(s) Signature: D. Wobley

00C193

91122430547

Internal Letter



Rockwell International

Date September 5, 1984

No. 65950-84-528

TO Name Organization Internal Address

FROM Name Organization Internal Address Phone

H. A. Clark
2722-E/200 East

L. F. Lust
Solid Waste Processing
& Disposal Unit
3-4802

Subject: APPROVED DISPOSAL REQUEST 10-21 (ROCKWELL)

Reference: Application to Dispose of Nonradioactive Hazardous Waste,
H. A. Clark, July 6, 1984

The Solid Waste Processing & Disposal Unit (SWP&DU) has completed review of referenced Disposal Request 10-21. The disposal method for these wastes is outlined on the attached "Disposal Analysis 10-21."

All packaging, labeling, and marking of the waste materials shall be completed in accordance with the prescribed instructions which are based on Department of Transportation (DOT) Regulations 49 CFR 171-179. A Hazardous Waste Manifest is required to accompany all waste shipments in accordance with 40 CFR 263.

Arrangements for transporting waste materials directly to the Hanford Nonradioactive Hazardous Waste Disposal Trench is a generator responsibility and may be implemented following compliance with Disposal Analysis instructions and Hazardous Waste Manifest requirements. Contact A. D. Poor (6-1452) for transportation arrangements.

Inspection of waste packages will be made by SWP&DU personnel as required to certify that the waste is prepared in the manner designated on the subject Disposal Analysis. After packaging, labeling, marking and inspection are completed, SWP&DU personnel will sign the Hazardous Waste Manifest. Failure to package in the manner described will result in suspension of disposal privileges for the offending facility.

Should you require further assistance regarding the disposition of wastes listed on Disposal Analysis 10-21, please contact the following Rockwell personnel.

L. F. Lust Solid Waste Processing & Disposal (3-4802)

G. R. Cox Industrial Hygiene & Safety
(2727-S offsite shipment coordinator) (3-3679)

L. F. Lust

L. F. Lust
Solid Waste Processing & Disposal Unit

LFL:ra

Att.

cc: D. R. Groth w/att *DRG*
A. D. Poor w/att

000194

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE 10-21

GENERATION: The Generator should complete Part I and forward this form to: WS&DT
202-S/200 West
Rockwell Marlow Baynton
2750E/200E
Rockwell
 Read 7/10/84

A. Generator's Name: H.A. Clark Phone: 32319 Address: 2722-E Company: RHO
 B. Custodian's Name: H.A. CLARK Phone: 32319 Address: 2722-E Company: RHO
 C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. Sodium Hydroxide	100	Steel DRUM ^{55gal}	100		<input checked="" type="checkbox"/>		
2. Ethylamine	25	Steel DRUM ^{55gal}	25		<input checked="" type="checkbox"/>		NON-HAZARDOUS
3. Sodium Sulphite	15	FIBRE DRUM ^{55gal}	15	<input checked="" type="checkbox"/>			
4.							
5.							

D. Have appropriate labels been affixed to containers? Not required
 E. Have efforts been made to recycle (e.g., excess) waste? Yes
 F. Has waste been treated in any manner? No If so, how? DRUMS ARE EMPTY
 G. Storage Location: 284-E - 284-W

4. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: _____

Generator's Signature: H.A. Clark Date: 7-6-84

II. APPROVAL

A. Approved for disposal by Name: G.F. LUST Phone: 3-4802 Address 2750-E Co.: Rockwell
 Date: 7-26-84 Signature: G.F. Lust

B. Packaging Requirements (specify): Refer to Disposal Analysis 10-21

C. Disposal Location: Chemical Trench, _____ Asbestos Trench, _____
 (check one) _____ 212-P (Storage), _____ Other _____

III. TRANSPORTATION/DISPOSAL

A. Transporter(s) Name: _____ Phone: _____ Address: _____ Company _____
 Date Transported/Disposed: _____
 C. Transporter(s) Signature: _____

9112210549

Disposal Analysis No. 10-21

Onsite Disposal

Items listed for Onsite Disposal must be properly packaged, labeled and manifested for disposal at the Hanford Nonradioactive Hazardous Waste Chemical Trench.

The waste generator must comply with the following requirements for packaging, labeling and marking wastes for onsite disposal:

- o In accordance with 49 CFR 17324, waste must be packaged in strong, tight, DOT-approved containers, unless otherwise specified in this disposal analysis.
- o The DOT hazard class label(s) specified in this Disposal Analysis must be applied to the container. Labels may be obtained from Rockwell Shipping (6-7768).
- o The DOT Shipping Name and the DOT Identification Number specified in this Disposal Analysis must be marked on the container.
- o The weight of the container, if over 110 pounds, must be marked on the container.
- o In accordance with 49 CFR 172.301 and 172.304, all marking must be legible, durable, in letters at least one-half inch high and in a color which contrasts with the container.
- o Bungs must be securely in place for transport.

All hazardous waste must be accompanied by a Hazardous Waste Manifest. The manifest will be initiated by the Rockwell Solid Waste Processing & Disposal Unit (SWP&DU). Both the waste generator and a representative from SWP&DU will sign the "Certification" block on the manifest after labeling, marking and inspection are completed. After the "Transporter" and the "Treatment/Storage/Disposal Facility" blocks have been completed and signed, the manifest will be returned to SWP&DU for filing and for distribution of copies.

DISPOSAL ANALYSIS NO. 10-21

ITEM NO.	DOT HAZARD CLASS	DOT SHIPPING NAME	EPA NUMBER	DOT IDENTIFICATION NUMBER	DOT LABEL	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
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OFFSITE DISPOSAL

ONSITE DISPOSAL

1	Corrosive Material	Sodium Hydroxide	D002	UN1824	Corrosive	100	55 gal drum	Empty
2	Not Regulated	Filming Amine	N/A	N/A	None	25	55 gal drum	Empty
3	ORM-E	<i>Hazardous Waste, NOS</i> (Sodium Sulfite)	N/A	NA9189	None	15	Fiber drum	Empty

000197

DISPOSAL PACKET NUMBER

P84-081

9 1 1 2 2 1 3 0 5 5 2

POOR COPY RECEIVED

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

Form Approved. OMB No. 2000-0404. Expires 7-31-85

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 MB MOXLEY RHO-11-39 B 284-E/200 East				A. State Manifest Document Number NA						
4. Generator's Phone (509) 373-2359				B. State Generator's ID NA						
5. Transporter 1 Company Name ROCKWELL HANFORD		6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID NA		D. Transporter's Phone 6-1420				
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		E. State Transporter's ID NA		F. Transporter's Phone NA				
9. Designated Facility Name and Site Address CENTRAL LANDFILL CORROSIVE TRENCH		10. US EPA ID Number WA 789 000 8967		G. State Facility's ID NA		H. Facility's Phone 6-6748 5412				
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)					12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
a. PAINT RELATED FLAMMABLE MATERIAL LIQUID NA1263 (sludge)					3 DM		75	G	D001	
b. PAINT FLAMMABLE LIQUID UN1263					1 DM		(Empty) 0		D001	
c.										
d.										
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.										
Printed/Typed Name R. E. MASSINGALE					Signature <i>R.E. Massingale</i>			Inspected by <i>L.J. Lust</i>		Date 11/17/84
17. Transporter 1 Acknowledgement of Receipt of Materials					Printed/Typed Name Timothy W. Toberg			Signature <i>Timothy Toberg</i>		Date 11/19/84
18. Transporter 2 Acknowledgement of Receipt of Materials					Printed/Typed Name			Signature		Date
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.										
Printed/Typed Name D.E. Phelps					Signature <i>D.E. Phelps</i>			Date 11/19/84		

000273

91122130553

Internal Letter



Rockwell International

October 15, 1984

05000-84-049

E. D. Moxley
284-E/200 East

FROM: H. A. Haerer
Hazardous Waste Program

3-4216

DISPOSAL ANALYSIS NO. 11-39

Reference: Chemical Waste Disposal Request, October 2, 1984

The Solid Waste Processing and Disposal Unit (SWP&DU) of Rockwell Hanford Operations (Rockwell) has completed analysis of the referenced Chemical Waste Disposal Request. Disposal instructions for these wastes are prescribed in the attached, subject Disposal Analysis.

All packaging, labeling and marking of the waste must be completed in accordance with the prescribed instructions, which are based on Department of Transportation (DOT) regulations 49 CFR 171-179. In accordance with 40 CFR 263, a properly completed Uniform Hazardous Waste Manifest is required to accompany all waste shipments. Partially completed manifests are attached for your use.

After packaging, labeling and marking have been completed by the waste generator, inspection of the waste packages will be made by SWP&DU personnel as required to certify that the waste is prepared in the manner designated in the subject Disposal Analysis. After inspection, an SWP&DU representative will sign the manifests. Failure of the generator to comply with the instructions in the subject Disposal Analysis will result in suspension of disposal privileges for the offending facility.

Arrangements for transporting waste packages directly to the Hanford Nonradioactive Hazardous Waste Disposal Trench or to the 2727-S storage facility for subsequent offsite disposal are a generator responsibility and may be implemented after compliance with instructions in the subject Disposal Analysis, completion of the manifest and certification by SWP&DU. Transportation arrangements can be made by contacting A. D. Poor (6-1420).

Should you require further assistance regarding the disposition of the wastes listed on the subject Disposal Analysis, please contact Mr. L. F. Lust (3-4802).

H. A. Haerer
H. A. Haerer, Project Manager
Hazardous Waste Program

HAH:LFL:ra

cc: G. R. Cox *GRC*

D. R. Groth *DRG*

L. F. Lust

A. D. Poor

Att:

000280

Complete unshaded parts
and forward to: SWP&DU
RM-D126 2750E/200E
Rockwell



ROCKWELL HANFORD OPERATIONS
CHEMICAL WASTE DISPOSAL REQUEST

Logbook # 11-39
Manifest(s) cross-reference

Requested by: E. D. Hooley Telephone number: 3-2359 Address: 284 E Company: RHO

Signature: _____ Date: 10/2/84

WASTE DESCRIPTION (if more than 12 items, continue on the back of this form)								
# of cont.	vol. of cont.	vol. of waste	container material	Chemical or Trade Name	Solid(L) Liquid(L) Gas(G)	Hazards*	Status**	Disposition and Date
182	19 gal	182 gal	Metal	Paint, oil base, vinyl Base	L	F	F	
1	5.5 gal	5.5 gal	steel	waste Paint Thinner	L	F	F	
1	5.5 gal	5.5 gal	steel	Dextol-R & oil (Cover)	L	-	F	Deleted 10/3/84 all
1	5.5 gal	0	steel	Empty aluminum paint drums	-	-	MT	
2	5.5 gal	15 gal	steel	aluminum paint sludge	S	-	PF	
1	5.5 gal	30 gal	steel	Paint Thinner	L	F	PF	
1	5.5 gal	45 gal	steel	Paint sludge	S	F	PF	

Radiation Monitoring Release Survey Card Number (if applicable)

*Hazards
Corrosive-C Flammable-F
Oxidizer-O Explosive-E
Poison-P

**Status
Full-F New (unused)-N
Partially Full-PF
Empty (1 in.) - M.T.
Triple rinsed (empty drums)-TI

000281

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967		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 MB MOXLEY RHO-11-39 B 284-E/200 East		6. US EPA ID Number WA 789 000 8967		A. State Manifest Document Number NA		B. State Generator's ID NA					
4. Generator's Phone (509) 373-3359		5. Transporter 1 Company Name ROCKWELL HARBOR		8. US EPA ID Number NA		C. State Transporter's ID NA		D. Transporter's Phone 6-1420					
7. Transporter 2 Company Name NA		9. Designated Facility Name and Site Address CENTRAL LANDFILL CORROSIVE TRENCH		10. US EPA ID Number WA 789 000 8967		E. State Transporter's ID NA		F. Transporter's Phone NA					
						G. State Facility's ID NA		H. Facility's Phone 6-6748					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
						No.		Type					
a.		PAINT RELATED MATERIAL (Sludge)		FLAMMABLE LIQUID NA1263		3 DM		75		G		D001	
b.		PAINT		FLAMMABLE LIQUID UN1263		1 DM		(Empty) 0				D001	
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.													
Printed/Typed Name R. E. MASSINGALE						Signature <i>R. E. Massingale</i>			Inspected by <i>L. J. Rust</i>			Date 11 17 84	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name T. Tothy W Toberg			Signature <i>Tothy Toberg</i>			Date 11 19 84	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name			Signature			Date	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name DE Phelps						Signature <i>DE Phelps</i>			Date 11 19 84				

9112230556

000282

Internal Letter



Rockwell International

Date . October 15, 1984

No. . 05000-84-049

TO Name, Organization, Internal Address:

FROM Name, Organization, Internal Address, Phone:

. E. D. Moxley
. 284-E/200 East

. H. A. Haerer
. Hazardous Waste Program
. 3-4216

Subject . DISPOSAL ANALYSIS NO. 11-39

Reference: Chemical Waste Disposal Request, October 2, 1984

The Solid Waste Processing and Disposal Unit (SWP&DU) of Rockwell Hanford Operations (Rockwell) has completed analysis of the referenced Chemical Waste Disposal Request. Disposal instructions for these wastes are prescribed in the attached, subject Disposal Analysis.

All packaging, labeling and marking of the waste must be completed in accordance with the prescribed instructions, which are based on Department of Transportation (DOT) regulations 49 CFR 171-179. In accordance with 40 CFR 263, a properly completed Uniform Hazardous Waste Manifest is required to accompany all waste shipments. Partially completed manifests are attached for your use.

After packaging, labeling and marking have been completed by the waste generator, inspection of the waste packages will be made by SWP&DU personnel as required to certify that the waste is prepared in the manner designated in the subject Disposal Analysis. After inspection, an SWP&DU representative will sign the manifests. Failure of the generator to comply with the instructions in the subject Disposal Analysis will result in suspension of disposal privileges for the offending facility.

Arrangements for transporting waste packages, directly to the Hanford Nonradioactive Hazardous Waste Disposal Trench or to the 2727-S storage facility for subsequent offsite disposal are a generator responsibility and may be implemented after compliance with instructions in the subject Disposal Analysis, completion of the manifest and certification by SWP&DU. Transportation arrangements can be made by contacting A. D. Poor (6-1420).

Should you require further assistance regarding the disposition of the wastes listed on the subject Disposal Analysis, please contact Mr. L. F. Lust (3-4802).

H. A. Haerer
H. A. Haerer, Project Manager
Hazardous Waste Program

HAH:LFL:ra

cc: G. R. Cox *GRC*

D. R. Groth *DRG*

Att.

~~L. F. Lust~~

A. D. Poor

000283

DISPOSAL ANALYSIS NO. 11-39

Offsite Disposal

Items listed for Offsite Disposal must be properly packaged, labeled and manifested for shipment to an offsite disposal facility in accordance with the State of Washington law (Chapter 173-303). The Hanford generator has the responsibility for packaging and for shipping the waste to the offsite staging facility, 2727-S/200 West. Offsite disposal shipments originating from this facility will be arranged by Rockwell.

The waste generator must comply with the following requirements for packaging, labeling and marking wastes for offsite disposal:

- o In accordance with 49 CFR 173.24, waste must be packaged in strong, tight, DOT-approved containers.
- o The DOT Label(s) specified in this Disposal Analysis must be applied to the container. Labels may be obtained from Rockwell Shipping (6-4271).
- o The DOT Shipping Name and the DOT Identification Number specified in this Disposal Analysis must be marked on the container.
- o The weight of the container, if over 110 pounds, must be marked on the container.
- o In accordance with 49 CFR 172.301 and 172.304, all marking must be legible, durable, in letters at least one-half inch high and in a color which contrasts with the container.

All hazardous waste must be accompanied by a Uniform Hazardous Waste Manifest. The manifest has been initiated by the Rockwell Solid Waste Processing and Disposal Unit (SWP&DU). Both the waste generator and a representative from SWP&DU will sign the Generator's Certification block 16. After block 17 has been signed by the transporter and block 20 has been signed by the disposal site operator, the manifest will be returned to SWP&DU, 2750-E/200 East for distribution of the copies.

DISPOSAL ANALYSIS NO. 11-39

Onsite Disposal

Items listed for Onsite Disposal must be properly packaged, labeled and manifested for disposal at the Hanford Nonradioactive Hazardous Waste Chemical Trench.

The waste generator must comply with the following requirements for packaging, labeling and marking wastes for onsite disposal:

- o In accordance with 49 CFR 173.24, waste must be packaged in strong, tight DOT-approved containers.
- o The DOT Labels(s) specified in this Disposal Analysis must be applied to the container. Labels may be obtained from Rockwell Shipping (6-4271).
- o The DOT Shipping Name and the DOT Identification Number specified in this disposal Analysis must be marked on the container.
- o The weight of the container, if over 110 pounds, must be marked on the container.
- o In accordance with 49 CFR 172.301 and 172.304, all marking must be legible, durable, in letters at least one-half inch high and in a color which contrasts with the container.
- o Bungs must be securely in place for transport.

All hazardous waste must be accompanied by a Uniform Hazardous Waste Manifest. The manifest has been initiated by the Rockwell Solid Waste Processing and Disposal Unit (SWP&DU). Both the waste generator and a representative from SWP&DU will sign the Generator's Certification block 16. After block 17 has been signed by the transporter and block 20 has been signed by the disposal site operator, the manifest will be returned to SWP&DU, 2750-E/200 East for distribution of the copies.

91122130559

DISPOSAL ANALYSIS NO. 11-39

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
<u>OFFSITE DISPOSAL</u>									
1		Paint	Flammable Liquid	UN1263	Flammable Liquid	D001	182	Metal	1 gal.
2		Paint Related Material (Paint Thinner)	Flammable Liquid	NA1263	Flammable Liquid	D001	2	55-gal Drum	43 gal.
<u>ONSITE DISPOSAL</u>									
3		Paint Related Material (Paint sludge w/ liquid removed)	Flammable Liquid (solidified)	NA1263	Flammable Liquid	D001	3	55-gal Drum	25 gal.
4		Paint	Flammable Liquid	UN1263	Flammable Liquid	D001	1	55-gal Drum	Empty

0001283

Complete unshaded parts and forward to: SMP&DU
 RM-D126 2750E/200E Rockwell

 ROCKWELL HANFORD OPERATIONS
 CHEMICAL WASTE DISPOSAL REQUEST

Logbook # 71-39

Manifest(s) cross-reference

Requested by E. D. Moxley Telephone number 3-2359 Address 284 E Company RHO

Signature _____ Date 10/2/84

WASTE DESCRIPTION (if more than 12 items, continue on the back of this form)

# of cont.	vol. of cont.	vol. of waste	container material	Chemical or Trade Name	Solid(B) Liquid(L) Gas(G)	Hazards*	Status**	Disposition and Date
182	19gal	182gal	Metal	Paint, oil base, vinyl Base	L	F	F	
1	55gal	55gal	steel	waste Paint Thinner	L	F	F	
4	55gal	55gal	steel	Dextol R 8001 (Corros)	L		F	Deleted 10/3/84
1	55gal	0	steel	Empty Aluminum Paint drums			MT	
2	55gal	15gal	steel	Aluminum Paint sludge	S		PF	
1	55gal	30gal	steel	Paint Thinner	L	F	PF	
1	55gal	45gal	steel	Paint sludge	S	F	PF	

Radiation Monitoring Release Survey Card Number (if applicable)

*Hazards
 Corrosive-C Flammable-F
 Oxidizer-O Explosive-E
 Poison-P

**Status
 Full-F New (unused)- N
 Partially Full-PF
 Empty (1 in.) - MT
 Triple rinsed (empty drums)-TR
 Reacted-Rx

C-280

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8767	Manifest Document No. RHD-11-39A	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address MD Mackey 284 E 1200 East				A. State Manifest Document Number NA		
4. Generator's Phone (509) 373-2359				B. State Generator's ID NA		
5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 789 000 8767		C. State Transporter's ID NA		
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 6-1420		
9. Designated Facility Name and Site Address 3727-S/200 West		10. US EPA ID Number WA 789 000 8767		E. State Transporter's ID NA		
				F. Transporter's Phone NA		
				G. State Facility's ID NA		
				H. Facility's Phone 3-3679		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
a. Paint Flammable Liquid UN1263		1	152	G	DC01	
b. Paint Related Material Flammable Liquid NA 1263		2	36	G	DC01	
c.						
d.						
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.						
Printed/Typed Name R.E. MASSINGALE				Signature <i>R.E. Massingale</i>		Date 11/7/94
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date
Printed/Typed Name				Signature		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date
Printed/Typed Name				Signature		Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Gary R. Cox				Signature <i>Gary R. Cox</i>		Date 11/11/94

91122610763

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 MD MOXLEY RMO-11-39 B 284-E/200 East		6. US EPA ID Number WA 789 000 8967		A. State Manifest Document Number NA	
4. Generator's Phone (509) 373-3359		7. Transporter 1 Company Name ROCKWELL HANFORD		B. State Generator's ID NA	
5. Transporter 1 Company Name ROCKWELL HANFORD		8. US EPA ID Number NA		C. State Transporter's ID NA	
7. Transporter 2 Company Name NA		9. US EPA ID Number NA		D. Transporter's Phone 6-1420	
8. Designated Facility Name and Site Address CENTRAL LANDFILL CORROSIVE TRENCH		10. US EPA ID Number WA 789 000 8967		E. State Transporter's ID NA	
				F. Transporter's Phone NA	
				G. State Facility's ID NA	
				H. Facility's Phone 6-6748 5412	

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. PAINT RELATED MATERIAL (Sludge) FLAMMABLE LIQUID NA1263	3	DM	75	G	D001
b. PAINT FLAMMABLE LIQUID UN1263	1	DM (Empty)	0		D001
c.					
d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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

Inspected by: **R.E. Massingale** Date: **11/7/84**

Printed/Typed Name: **R.E. MASSINGALE** Signature: *R.E. Massingale*

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: **T. Timothy W. Toberg** Signature: *Timothy Toberg* Date: **11/7/84**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Signature: Date:

19. Discrepancy Indication Space

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

Printed/Typed Name: **DE Phelps** Signature: *DE Phelps* Date: **11/7/84**

000290

911201064

DISPOSAL PACKET NUMBER

P84-082

9 1 1 2 2 1 3 0 5 6 5

6-14-84

~~Fiberglass~~
ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be double plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: NS JARSON

Phone Number: 272-4000

Contractor Contracted By: R40

Location: 200-11/1000 110 Estimated Volume (ft³): 8 (1 load/lugger)

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: J.S. Dawson

Date: 11-14-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: DE Phelps

Date: 11-14-1984

91122430566

DISPOSAL PACKET NUMBER

P84-083

91142000007

674-3

Fiberglass
ASBESTOS DISPOSAL

RADIATION RELEASE

BLDG. 2701 A

DATE 11-14-84

RELEASED BY: BEK RPT
RADIATION MONITORING

REMARKS:

The Industrial Hygiene & Safety Department (IH&S) of asbestos management at Hanford. Accordingly, requirements for asbestos at the Central Landfill A

1. A radiation release must be obtained for any 64-3000-022 (5-67)
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: H.S. PARSONS

Phone Number: 373-4000

Contractor Contracted By: RHO

Location: 272-AW 200-E Estimated Volume (ft³): 4 (1.5 x 10³ LBS)

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: J.D. Dawson

Date: 11-14-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 11-14-1984

91122430568

DISPOSAL PACKET NUMBER

P84-084

6
0
0
0
7
1
1
6

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: J. E. Hodgson

Phone Number: 3-3368 or 3-4661

Contractor Contracted By: UAC

Location: 100-D-105-D Estimated Volume (ft³): 512

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: J. E. Hodgson

Date: 11-15-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D. E. Phelps

Date: 11-15-1984

9112230570

DISPOSAL PACKET NUMBER

P84-085

91122430571

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: Westinghouse Hanford

Phone Number: 376-3743

Contractor Contracted By: RAO Hensyael

Location: 300A / under water tower Estimated Volume (ft³): 336

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: RAO Hensyael

Date: 11-14-84

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D E Phelps

Date: 11-16-1984

9112230572

DISPOSAL PACKET NUMBER

P84-086

91122110574

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 787 000 3767	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address DF Bravard RHO-9-17B 2704 W 120 West				A. State Manifest Document Number				
4. Generator's Phone (509) 373-3326				B. State Generator's ID				
5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 787 000 3767		C. State Transporter's ID				
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 6-1420				
9. Designated Facility Name and Site Address Chemical Trench Central Landfill		10. US EPA ID Number WA 787 000 8967		E. State Transporter's ID				
				F. Transporter's Phone				
				G. State Facility's ID				
				H. Facility's Phone 6-6748				
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)					12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. 1 through 14 None None None					14	0	-	None
b. 15 Methyl Ethyl Ketone					3	0	-	DC01
c. 16 Flammable Liquid					1	0	-	DC01
d. 17 Corrosive Liquid, NOS					1	0	-	DC02
J. Additional Descriptions for Materials Listed Above 8 empty 55 gal drums = 58 ft³					K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.								
Printed/Typed Name D.F. BRAVARD					Signature <i>D.F. Bravard</i>		Date 11/14/84	
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name A. Akidie					Signature <i>A. Akidie</i>		Date 11/14/84	
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name					Signature		Date	
19. Discrepancy Indication Space								
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name MERL Hamilton					Signature <i>Merl Hamilton</i>		Date 11/26/84	

000155

91122330575

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator's US EPA ID No. WA 789 000 3967	Manifest Document No.	22. Page 2 of 2	Information in the shaded areas is not required by Federal law.				
23. Generator's Name DF Brovard 2704 W/200 West				RHD-9-19B			L. State Manifest Document Number.		
24. Transporter Company Name Rockwell Hanford				25. US EPA ID Number WA 789 000 3967		N. State Transporter's ID			
26. Transporter Company Name NA				27. US EPA ID Number NA		O. Transporter's Phone 6-1420			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity	31. Unit Wt/Vol	R. Waste No.	
				No.	Type				
a.	24	Ethylene Glycol	None	None	1	DM	2	G	None
b.	<input checked="" type="checkbox"/>	Wastewater Det-retent	None	None	1	DM (Empty)	0	-	Name
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above				
32. Special Handling Instructions and Additional Information									
TRANSPORTER	33. Transporter Acknowledgement of Receipt of Materials					Date			
	Printed/Typed Name A. Akland					Signature <i>[Signature]</i>		Month Day Year 11 26 24	
FACILITY	34. Transporter Acknowledgement of Receipt of Materials					Date			
	Printed/Typed Name					Signature		Month Day Year	
35. Discrepancy Indication Space									

91122370576

Internal Letter



Rockwell International

Date August 28, 1984

No. 65950-84-536

TO: (Name, Organization, Internal Address)

FROM: (Name, Organization, Internal Address, Phone)

· D. F. Bravard
· Process Operations Control
· 2704W/13

· L. F. Lust
· Solid Waste Processing
· and Disposal Unit
· 3-4802

Subject: APPROVED DISPOSAL REQUEST 9-19 (ROCKWELL)

Reference: Application to Dispose of Nonradioactive Hazardous Waste,
D. F. Bravard, August 20, 1984

The Solid Waste Processing and Disposal Unit has completed review of referenced Disposal Request 9-19. The disposal method for these wastes is outlined on the attached "Disposal Analysis 9-19."

All packaging, labeling, and marking of the waste materials shall be completed in accordance with the prescribed instructions which are based on Department of Transportation (DOT) Regulations 49 CFR 171-179. A Hazardous Waste Manifest is required to accompany all waste shipments in accordance with 40 CFR 263.

Making arrangements for transporting waste materials to the 2727-S storage facility (for forwarding to offsite disposal) and transporting onsite disposal packages directly to the Hanford Nonradioactive Hazardous Waste Disposal Trench is a generator responsibility and may be implemented following compliance with Disposal Analysis 9-19 instructions and preparation of the Hazardous Waste Manifest. Contact A. D. Poor (6-1452) for transport arrangements.

Inspection by the Solid Waste Processing and Disposal Unit (SWP&DU) of package content and integrity will be made as required to certify that the waste is prepared in the manner designated on Disposal Analysis 9-19. After the waste is prepared for shipment by the generator and inspected by SWP&DU, the "Generator Signature" in the first certification block of the Hazardous Waste Manifest will be provided by SWP&DU. Failure to package in the manner described in the Disposal Analysis 9-19 will result in suspension of disposal privileges for the offending facility.



Rockwell
International

Mr. D. F. Bravard
Page 2
August 28, 1984

Should you require further assistance regarding the disposition of wastes listed on Disposal Analysis 9-19, please contact the following personnel:

L. F. Lust, Solid Waste Processing & Disposal Unit (3-4802).

G. R. Cox, Industrial Hygiene & Safety (2727-S Offsite shipment coordinator) (3-3679).

L. F. Lust

L. F. Lust
Solid Waste Processing and Disposal Unit

LFL:ra

Att.

cc: D. B. Groth w/att *rich*
A. D. Poor w/att

000157

91122430573

REQUEST TO DISPOSE OF NONRADIOACTIVE HAZARDOUS WASTE

9-19

GENERATION: The Generator should complete Part I and forward this form to:

W&DF SWP&D
202 S/200 West 2750 E/200 East
Rockwell

- A. Generator's Name: D F Bravard Phone: 3-3326 Address: 2724 W Company: RHO
- B. Custodian's Name: JW Matthews Phone: 3-2933 Address: 274 W Company: RHO
- C. Waste Description: (If more than five items, attach additional sheets)

Generic Name	Total Quantity	Type of Container	Number of Containers	(Check One)			Hazard Class
				Sol.	Liq.	Gas	
1. <u>See Attached List, Page 2 of 2</u>							
2.							
3.							
4.							
5.							

- D. Have appropriate labels been affixed to containers? _____ Not required _____
- E. Have efforts been made to recycle (e.g., excess) waste? _____
- F. Has waste been treated in any manner? _____ If so, how? _____
Storage Location: West of 277 W shop.
- H. "I hereby certify that this material has been released by Radiation Monitoring (if applicable) and that Part One of this form has been completed to the best of my knowledge." Survey Card Number: _____

Generator's Signature: David Bravard Date: 8-16-84

II. APPROVAL

- A. Approved for disposal by Name: L.F. Lust Phone: 3-4106 Address 2750 E Co.: RHO
Date: 8-20-84 Signature: L F Lust
- B. Packaging Requirements (specify): See Disposal Analysis 9-19
- C. Disposal Location: _____ Chemical Trench, _____ Asbestos Trench,
(check one) _____ 212-P (Storage) 2727-5 Other
See Disposal Analysis 9-19.

III. TRANSPORTATION/DISPOSAL

- Transporter(s) Name: _____ Phone: _____ Address: _____ Company _____
- B. Date Transported/Disposed: _____
- C. Transporter(s) Signature: _____

91122130779

Disposal Request 9-19

<u>Containers</u>			<u>Waste Material</u>		
<u>Item Number</u>	<u>Quant.</u>	<u>Type</u>	<u>Description</u>	<u>Liq/Sol</u>	<u>Amount of Haz. Waste</u>
1-10	10	55 gal drum, open	Empty (steel shot)	N/A	0
11	1	30 gal drum, open	Empty (steel shot)	N/A	0
12-14	3	55 gal drum, closed	Empty (lube oil)	Liquid	< 1"
15-17	3	55 gal drum, closed	Empty (Methyl ethyl ketone)	Liquid	< 1"
18-21	4	55 gal drum, closed	Methyl Ethyl Ketone	Liquid	10 gal (each)
22-23	2	55 gal drum, open bungs	Unknown (formerly MEK drums)	Liquid	10 gal (each)
24	1	55 gal drum, closed	Ethylene glycol	Liquid	2 gal (absorbed)
25	1	55 gal drum, closed	Empty (Petroleum naphtha)	Liquid	< 1"
26	1	55 gal drum, closed	Empty (Unknown)	Liquid	< 1"
27	1	55 gal drum	Empty (Westpower)	Liquid	Empty

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Disposal Analysis No. 9-19

Onsite Disposal

Items listed for Onsite Disposal must be properly packaged, labeled and manifested for disposal at the Hanford Nonradioactive Hazardous Waste Chemical Trench.

The waste generator must comply with the following requirements for packaging, labeling and marking wastes for onsite disposal.

In accordance with 49 CFR 173.24, waste must be packaged in strong, tight, DOT-approved containers, unless otherwise specified in this Disposal Analysis.

The DOT hazard class LABEL(s) specified in this Disposal Analysis must be applied to the container. Labels may be obtained from Rockwell Shipping, 6-7768.

The DOT SHIPPING NAME and the DOT IDENTIFICATION NUMBER specified in this Disposal Analysis must be marked on the container.

The weight of the container, if over 110 pounds, must be marked on the container.

In accordance with 49 CFR 172.301 and 172.304, all marking must be legible, durable, in letters at least one-half inch high and in a color which contrasts with the container.

Bungs must be securely in place for transport.

All hazardous waste must be accompanied by a HAZARDOUS WASTE MANIFEST. The manifest will be initiated by the Rockwell Solid Waste Processing and Disposal Unit (SWP&DU). Both the waste generator and a representative from SWP&DU will sign the "CERTIFICATION" block on the manifest after labeling, marking and inspection are completed. After the "TRANSPORTER" and the "TREATMENT/STORAGE/DISPOSAL FACILITY" blocks have been completed and signed, the manifest will be returned to SWP&DU for filing and for distribution of copies.

000160

Disposal Analysis 9-19

Offsite Disposal

Items listed in the Offsite Disposal section must be properly packaged and manifested for shipment to an offsite disposal facility in accordance with the State of Washington law (Chapter 173-303). The Hanford generator has the responsibility for packaging and shipping of the waste to the offsite staging facility, 2727-S/200W. Offsite disposal shipments originating from this facility will be arranged by Rockwell Industrial Hygiene & Safety Unit.

The waste generator must comply with the following requirements for packaging, labeling and marking wastes for offsite disposal.

- o In accordance with 49 CFR 173.24, waste must be packaged in strong, tight, DOT-approved containers, unless otherwise specified in this Disposal Analysis.
- o The DOT hazard class label(s) specified in this Disposal Analysis must be applied to the container. Labels may be obtained from Rockwell Shipping, 6-7768.
- o The DOT Shipping Name and the DOT Identification Number specified in this Disposal Analysis must be marked on the container.

DISPOSAL ANALYSIS 9-19

HAZARD CLASS	DISPOSAL ITEM NO.	SHIPPING NAME	EPA NO.	ID. NO.	LABEL	NO. OF CONTAINERS	CONTAINER TYPE	QUANTITY Per CONTAINER
OFFSITE DISPOSAL								
Flammable Liquid	18-21	Methyl Ethyl Ketone	U159 - D001	UN1193	Flammable Liquid	4	55 gal drum	10 gal
Flammable Liquid	22-23	Flammable Liquid N.O.S. (MEK Label)	D001	UN1993	Flammable Liquid	2	55 gal drum	10 gal
ONSITE DISPOSAL								
Not Regulated	1-10	N/A	N/A	N/A	None	10	55 gal drum	Empty
Not Regulated	11	N/A	N/A	N/A	None	1	30 gal drum	Empty
Not Regulated	12-14	(Lube oil)	N/A	N/A	None	3	55 gal drum	Empty
Flammable Liquid	15-17	Methyl Ethyl Ketone	D001	UN1193	Flammable Liquid	3	55 gal drum	Empty
Flammable Liquid	25	Flammable Liquid N.O.S. (Petroleum naphtha)	D001	UN1993	Flammable Liquid	1	55 gal drum	Empty
Corrosive Material	26	Corrosive Liquid N.O.S. (drum 215583)	D002	UN1760	Corrosive	1	55 gal drum	Empty
Not Regulated	24	Ethylene Glycol	N/A	N/A	None	1	55 gal drum	2 gal (absorbed)
Not Regulated	27	Westpower Detergent	N/A	N/A	None	1	55 gal drum	Empty

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 DF Bravard 2704 W/300 West					A. State Manifest Document Number						
4. Generator's Phone (509) 373-3326					B. State Generator's ID						
5. Transporter 1 Company Name Rockwell Hanford					6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID				
7. Transporter 2 Company Name NA					8. US EPA ID Number NA		D. Transporter's Phone 6-1420				
9. Designated Facility Name and Site Address 27275/300 West					10. US EPA ID Number WA 789 000 8967		E. State Transporter's ID				
							F. Transporter's Phone				
							G. State Facility's ID				
							H. Facility's Phone 3-3679				
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)					12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.
					No. Type						
a. ¹⁸ waste ¹⁹ Methyl Ethyl Ketone ²⁰ Flammable ²¹ Liquid					UN1193 4 DM		40		G		D001
b. ²² Flammable ²³ Liquid NOS					UN1993 2 DM		20		G		D001
c.											
d.											
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.											
Printed/Typed Name					Signature					Date	
					<i>Inspected J S Faust 11/14/84</i>					Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name					Signature					Date	
										Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name					Signature					Date	
										Month Day Year	
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name					Signature					Date	
										Month Day Year	

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91122130584

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator's US EPA ID No.	Manifest Document No.	22. Page	Information in the shaded areas is not required by Federal law.				
		WIA 789 000 2967						2 of 2	
23. Generator's Name DF Brouard 2704 W/200 West				RHO-9-19B					
				L. State Manifest Document Number					
24. Transporter Company Name Packwell Hanford				25. US EPA ID Number IWA 789 000 8967		N. State Transporter's ID			
26. Transporter Company Name N/A				27. US EPA ID Number I N/A		O. Transporter's Phone 6-1420			
						P. State Transporter's ID			
						Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total	31. Unit	R. Waste No.	
				No.	Type	Quantity	Wt/Vol		
a.	24 Ethylene Glycol		None	None	1	DM	2	G	None
b.	West power Detergent		None	None	1	DM (Empty)	0	-	None
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above			
32. Special Handling Instructions and Additional Information									
TRANSPORTOR	33. Transporter Acknowledgement of Receipt of Materials						Date		
	Printed/Typed Name				Signature		Month Day Year		
TRANSPORTOR	34. Transporter Acknowledgement of Receipt of Materials						Date		
	Printed/Typed Name				Signature		Month Day Year		
FACILITY	35. Discrepancy Indication Space								

911 221 0535

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.				
3. Generator's Name and Mailing Address DF Bravard RHO-9-19B 2704 W/2nd West				A. State Manifest Document Number					
4. Generator's Phone (509) 373-3326				B. State Generator's ID					
5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID					
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 6-1420					
9. Designated Facility Name and Site Address Chemical Trench Central Landfill				10. US EPA ID Number WA 789 000 8967		E. State Transporter's ID			
						F. Transporter's Phone			
						G. State Facility's ID			
						H. Facility's Phone 6-6748			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)					12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
					No.	Type			
a.	1 through 14	None	None	None	14	DM (Empty)	0	-	None
b.	15 through 17	Methyl Ethyl Ketone	Flammable Liquid	UN 1193	3	DM (Empty)	0	-	D001
c.	25	Flammable Liquid, NOS	Flammable Liquid	UN 1993	1	DM (Empty)	0	-	D001
d.	26	Corrosive Liquid, NOS	Corrosive	UN 1760	1	DM (Empty)	0	-	D002
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.									
Printed/Typed Name					Signature			Date	
					<i>Inspected K. J. Hunt 11/14/84</i>			Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name					Signature			Date	
								Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name					Signature			Date	
								Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name					Signature			Date	
								Month Day Year	

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GENERATOR TRANSPORTER FAC

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 799 CCC 3967	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 DF Island - 274 W. 200th St					A. State Manifest Document Number RHO-9-19A						
4. Generator's Phone (517) 373-3326					B. State Generator's ID						
5. Transporter 1 Company Name Rockwell Hazard					6. US EPA ID Number WA 797 CCC 3967		C. State Transporter's ID			D. Transporter's Phone 6-1920	
7. Transporter 2 Company Name NA					8. US EPA ID Number NA		E. State Transporter's ID			F. Transporter's Phone	
9. Designated Facility Name and Site Address 27975 / 300th St					10. US EPA ID Number WA 797 CCC 3967		G. State Facility's ID			H. Facility's Phone 3-3479	
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	a.	19	Waste	Flammable	Liquid	UN1113	4	DM	4	G	D001
	b.	22	Flammable	Flammable	Liquid	UN1193	2	DM	20	G	D001
	c.										
	d.										
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.											
Printed/Typed Name DAVID F. BRAVARD						Signature <i>[Signature]</i>			Date		
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials						Signature			Date	
	Printed/Typed Name NA						Signature			Month Day Year 11 20 87	
	18. Transporter 2 Acknowledgement of Receipt of Materials						Signature			Date	
Printed/Typed Name						Signature			Month Day Year		
19. Discrepancy Indication Space											
FACILITY	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
	Printed/Typed Name NA						Signature <i>[Signature]</i>			Date 11 20 87	

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 787 000 3767	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address D.F. Bravard RHO-7-170 2704 W 12th Street				A. State Manifest Document Number		
4. Generator's Phone (509) 373-3526				B. State Generator's ID		
5. Transporter 1 Company Name Kirkwood Hazard		6. US EPA ID Number WA 787 000 3767		C. State Transporter's ID		
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 6-1420		
9. Designated Facility Name and Site Address Chemical Trench Central Landfill		10. US EPA ID Number WA 787 000 3767		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone 6-6748		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
		No.	Type			
a. 14	None None None	14	DM (Empty)	0	-	None
b. 17	Methyl Ethyl Fluoride Liquid UN1113	3	DM (Empty)	-	-	D001
c. 15	Fluoride Liquid UN1113	1	DM (Empty)	-	-	D001
d. 15	Fluoride Liquid UN1700	1	DM (Empty)	-	-	D002
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.						
Printed/Typed Name D.F. BRAVARD				Signature <i>D.F. Bravard</i>		Date Month Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Asst. Manager				Signature		Date Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name				Signature		Date Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Michael Hamilton				Signature <i>Michael Hamilton</i>		Date Month Day Year 11 06 84

000167

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator's US EPA ID No. <u>U/A 785 000 167</u>	Manifest Document No.	22. Page <u>2 of 2</u>	Information in the shaded areas is not required by Federal law.		
23. Generator's Name <u>DF Brown</u> <u>2704 W/300 West</u>		RHO-7-170		L. State Manifest Document Number			
24. Transporter Company Name <u>Russell Hanford</u>		25. US EPA ID Number <u>U/A 784 000 167</u>		N. State Transporter's ID			
26. Transporter Company Name <u>N/A</u>		27. US EPA ID Number <u>N/A</u>		O. Transporter's Phone <u>6-14-1</u>			
26. Transporter Company Name <u>N/A</u>		27. US EPA ID Number <u>N/A</u>		P. State Transporter's ID			
26. Transporter Company Name <u>N/A</u>		27. US EPA ID Number <u>N/A</u>		Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers No.	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.	24. Single Solid		None	1	2	G	None
b.	Waste Liquid		None	1	1 (E-F)		None
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above			
32. Special Handling Instructions and Additional Information							
33. Transporter Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
				<u>A. Allen</u>		<u>[Signature]</u>	
						Date <u>11/1/84</u>	
34. Transporter Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
						<u>[Signature]</u>	
						Date <u>11/1/84</u>	
35. Discrepancy Indication Space							

GENERATOR

TRANSPORTER

DELIVERY

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967		Manifest Document No.		2. Page 1 of 2		Information in the shaded areas is not required by Federal law.				
		3. Generator's Name and Mailing Address DF Bravard RHO-9-19B 2704 W/200 West						A. State Manifest Document Number		B. State Generator's ID		
4. Generator's Phone (509) 373-3326						6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID		D. Transporter's Phone 6-1420		
5. Transporter 1 Company Name Rockwell Hanford						8. US EPA ID Number NA		E. State Transporter's ID		F. Transporter's Phone		
7. Transporter 2 Company Name NA						10. US EPA ID Number WA 789 000 8967		G. State Facility's ID		H. Facility's Phone 6-6748		
9. Designated Facility Name and Site Address Chemical Trench Central Landfill												
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		
						No.		Type				
GENERATOR	a. 1 through 14		None		None		None		14 DM (Empty)		- None	
	b. 15 through 17		Methyl Ethyl Ketone		Flammable Liquid		UN 1193		3 DM (Empty)		- D001	
	c. 25		Flammable Liquid NOS		Flammable Liquid		UN 1993		1 DM (Empty)		- D001	
	d. 26		Corrosive Liquid, NOS		Corrosive		UN 1720		1 DM (Empty)		- D002	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above						
15. Special Handling Instructions and Additional Information												
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.												
Printed/Typed Name D.F. BRAVARD						Signature <i>D.F. Bravard</i>			Date 11/14/84			
17. Transporter 1 Acknowledgement of Receipt of Materials												
Printed/Typed Name J. A. Aldridge						Signature <i>J. A. Aldridge</i>			Date 11/26/84			
18. Transporter 2 Acknowledgement of Receipt of Materials												
Printed/Typed Name						Signature			Date			
19. Discrepancy Indication Space												
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.												
Printed/Typed Name MER Hamilton						Signature <i>MER Hamilton</i>			Date 11/26/84			

91122430590

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator's US EPA ID No. IWA 789 000 8967	Manifest Document No.	22. Page 2 of 2	Information in the shaded areas is not required by Federal law.			
23. Generator's Name DF Bravard 2704 W/200 West		RHO-9-19B		L. State Manifest Document Number				
24. Transporter Company Name Rockwell Hanford		25. US EPA ID Number IWA 789 000 8967		N. State Transporter's ID				
26. Transporter Company Name NA		27. US EPA ID Number NA		O. Transporter's Phone 6-1420		P. State Transporter's ID		
				Q. Transporter's Phone				
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.	
				No.	Type			
a.	24 Ethylene Glycol	None	None	1	DM	2	G None	
b.	Westpower detergent	None	None	1	DM	0 (Empty)	- None	
c.								
d.								
e.								
f.								
g.								
h.								
i.								
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above				
32. Special Handling Instructions and Additional Information								
33. Transporter Acknowledgement of Receipt of Materials				Date				
Printed/Typed Name J.A. Aldridge				Signature <i>J.A. Aldridge</i>		Month Day Year 11 26 84		
34. Transporter Acknowledgement of Receipt of Materials				Date				
Printed/Typed Name				Signature		Month Day Year		
35. Discrepancy Indication Space								

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DISPOSAL PACKET NUMBER

P84-087

21139 1002

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 KH Smith 105N/100 N				A. State Manifest Document Number WMC-12-158				
4. Generator's Phone (509) 373-4940				B. State Generator's ID				
5. Transporter 1 Company Name Rouswell Hanford		6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID				
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 376-1420				
9. Designated Facility Name and Site Address Central Landfill Chemical Treach		10. US EPA ID Number WA 789 000 8967		E. State Transporter's ID				
				F. Transporter's Phone				
				G. State Facility's ID				
				H. Facility's Phone 509-376-6748				
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)					12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a.	B Oxidizer, Corrosive solid, NOS		Oxidizer & Corrosive NA 9194	1	DM	4	f ³	0007 DUC2
b.	C Flammable Liquid, NOS		Flammable Liquid UN1993	1	DM	4	f ³	4154 DUC1
c.	D Oxidizer, Corrosive, solid, NOS		Oxidizer & Corrosive NA 9194	1	DM	4	f ³	DUC2
d.								
J. Additional Descriptions for Materials Listed Above Labpacks containing glass and metal containers, packed in vermiculite.					K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.								
Printed/Typed Name JOE COOPER		Signature <i>[Signature]</i>		Inspected by <i>[Signature]</i>		Date 11/29/84		Month Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name R.C. HAWKS		Signature <i>[Signature]</i>		Date 12/5/84		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name ROBERT CHURCH		Signature <i>[Signature]</i>		Date 12/5/84		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 D.E. Phelps		Signature <i>[Signature]</i>		Date 12/5/84		Month Day Year		

9112210593



Rockwell
International

~~Mr. K. H. Smith~~

~~Page 2~~

~~MAY 11 1984~~

Should you require further assistance regarding the disposition of the wastes listed on the subject Disposal Analysis, please contact Mr. L. F. Lust (3-4802).

Very truly yours,

H. A. Haerer

H. A. Haerer, Project Manager
Hazardous Waste Program

HAH:LFL:ra

Att.

000100

DISPOSAL ANALYSIS NO. 12-15

Offsite Disposal

Items listed for Offsite Disposal must be properly packaged, labeled and manifested for shipment to an offsite disposal facility in accordance with the State of Washington law (Chapter 173-303). The Hanford generator has the responsibility for packaging and for shipping the waste to the offsite staging facility, 2727-S/200 West. Offsite disposal shipments originating from this facility will be arranged by Rockwell.

The waste generator must comply with the following requirements for packaging, labeling and marking wastes for offsite disposal:

- o In accordance with 49 CFR 173.24, waste must be packaged in strong, tight, DOT-approved containers.
- o The DOT Label(s) specified in this Disposal Analysis must be applied to the container. Labels may be obtained from Rockwell central stores.
- o The DOT Shipping Name and the DOT Identification Number specified in this Disposal Analysis must be marked on the container.
- o The total weight, if over 110 pounds must be marked on the container.
- o In accordance with 49 CFR 172.301 and 172.304, all marking must be legible, durable, in letters at least one-half inch high and in a color which contrasts with the container.
- o Bungs must be securely in place for transport.

If more than one waste type is placed in a single package, the following additional requirements must be met:

- o Only items in the same compatibility group, as specified in this Disposal Analysis may be placed in a common overpack.
- o Inert packing material (e.g., "kitty litter" or vermiculite) must be used to separate individual containers and to fill any void space within the overpack.
- o A weather-proof listing of the chemicals (e.g., a protected cut-out of the information provided in this Disposal Analysis), including DOT Shipping Names and DOT Identification Numbers, must be applied to the overpack.
- o "THIS SIDE UP" or "THIS END UP" must be marked on the top of the overpack.

000001

Disposal Analysis No. 12-15. (cont'd)

Offsite Disposal (cont'd)

- o The package must be marked with an identification number correlating with the package number on the attached Uniform Hazardous Waste Manifest.

All hazardous waste must be accompanied by a Uniform Hazardous Waste Manifest. The manifest for shipment to 2727-S has been initiated by the Rockwell Solid Waste Processing and Disposal Unit (SWP&DU). Both the waste generator and a representative from SWP&DU will sign the Generator's Certification block 16. After block 17 has been signed by the transporter and block 20 has been signed by the disposal site operator, the manifest will be returned to SWP&DU, 2750-E/200 East for distribution of the copies.

000302

DISPOSAL ANALYSIS NO. 12-15

Onsite Disposal

Items listed for Onsite Disposal must be properly packaged, labeled and manifested for disposal at the Hanford Nonradioactive Hazardous Waste Chemical Trench.

The waste generator must comply with the following requirements for packaging, labeling and marking wastes for onsite disposal:

- o In accordance with 49 CFR 173.24, waste must be packaged in strong, tight DOT-approved containers.
- o The DOT Label(s) specified in this Disposal Analysis must be applied to the container. Labels may be obtained from Rockwell central stores.
- o The DOT Shipping Name and the DOT Identification Number specified in this Disposal Analysis must be marked on the container.
- o The total weight, if over 110 pounds, must be marked on the container.
- o In accordance with 49 CFR 172.301 and 172.304, all marking must be legible, durable, in letters at least one-half inch high and in a color which contrasts with the container.
- o Bungs must be securely in place for transport.

All hazardous waste must be accompanied by a Uniform Hazardous Waste Manifest. The manifests for shipment to the central landfill and to 2727-S have been initiated by the Rockwell Solid Waste Processing and Disposal Unit (SWP&DU). Both the waste generator and a representative from SWP&DU will sign the Generator's Certification block 16. After block 17 has been signed by the transporter and block 20 has been signed by the disposal site operator, the manifests will be returned to SWP&DU, 2750-E/200 East for distribution of the copies.

000303

91122 0600

Complete any parts and forward to: **Rockwell**

Rockwell Har Operations
CHEMICAL WASTE DISPOSAL REQUEST

Logbook No. 12

Manifest cross-reference

Requested by: Ken Smith Telephone Number _____ Address _____ Company _____

Signature _____ Date _____

Remover

WASTE DESCRIPTION (If more than 12 items, continue on the back of this form)

Item No.	*** No. of Containers	Container Volume	Waste, Total	Container Material	DOT NAME	DOT Hazard Class	DOT No.	EPA No.	Solid(S) Liquid(L) Gas(G)	Hazards*	Status**	Compatibility Baker 12-15
1	1	1 pint	1 pint	Glass	ethyl Acetate	Flammable Liquid	UN1173	0001	L	F	F	34 C
2	8	1 pint	8 pints	Glass	Toluene	Flammable Liquid	UN1294	U210 (61W)	L	F	F	32 A
3	1	1 pint	1 pint	Glass	Xylene	Flammable Liquid	UN1307	U239 (61W)	L	F	F	32 A
4	3	1 pint	3 pints	Glass	Methyl Alcohol	Flammable Liquid	UN1230	U154	L	F	F	20 C
5	5	1 pint	5 pints	Glass	Benzene	Flammable Liquid	UN1114	U019 (61W)	L	F	F	32 A
6	2	1 quart	2 quarts	Metal	Isopropanol	Flammable Liquid	UN1219	0001	L	F	F	20 A
7	1	1 lb	1 lb	Glass	None (Coal Amp)	None	None	None	S	None	F	N SL
8	1	1 lb	1 lb	Glass	Potassium Permanganate	Oxidizer	UN1490	None	S	O	F	OX B
9	1	1 lb	1 lb	Glass	Ammonium Nitrate	Oxidizer	UN1942	None	S	O	F	OX D
10	3	1 lb	3 lb	Glass	Sodium Nitrate	Oxidizer	UN1498	None	S	O	F	OX B
11	1	1 lb	1 lb	Glass	None (Sulfuric Acid)	None	None	None	S	None	F	N SL
12	1	1 lb	1 lb	Glass	Ammonium Chloride	ORM-E	NA9085	None	S	None	F	6 D
13	1	1 lb	1 lb	Glass	None (Tartaric Acid)	None	None	None	S	None	F	4 SL

Radiation Monitoring Release Survey Card Number (if applicable)

- * Hazards
Corrosive - C Flammable - F
Oxidizer - O Explosive - E
Poison - P
 - ** Status
Full - F New (unused) - N
Partially Full - PF
Empty (<1 in.) - M.T.
Triple rinsed (empty drums) - TR
Reacted - Rx
Old (expired) - O
 - *** Indicate how many containers of this size are being offered for disposal
- N = non reactive
OX = oxidizer
= offsite

600030

WASTE DESCRIPTION

Item No.	No. of Containers	Container Volume	Waste, Total	Container Material	DOT Name	Hazard. Class	DOT No.	EPA No.	Solid(S) Liquid(L) Gas(G)	Hazards*	Status**	Location & Date
14	1	1 lb	1 lb	Glass	Sodium Chromate	ORM - E	NA9145	0007	S	P	F	N B
15	1	1 qt	1 qt	Metal	1-1 Trichloroethane	ORM-A	UN2831	EHW U226	L	P	F	36 A
16	2	1 qt	2 qt	Glass	Ammonium Hydroxide	Corrosive Material	NA2672	0002	L	C	F	6 D
17	1	1 pt	1 pt	Glass	(37%) Formaldehyde Solution	ORM-A	UN1198	EHW U122	L	P	F	19 A
18	1	5 lb	5 lb	Glass	Sodium Hydroxide dry solid	Corrosive Material	UN1823	0002	S	C	F	5 B
19	1	1 gal.	1 gal.	Glass	Naphtha	Flammable Liquid	UN1553	0001	L	F	F	33 C
20	1	2 qt	2 qt	Glass	Ammonium Oxalate (TUACO 4521)	ORM-A	NA 2449	None	L	P	F	6 D

Compatibility Group A (OFFSITE; Aldehydes, Aromatic Hydrocarbons, Halogenated Hydrocarbons)

Items 3, 3, 5, 15, 17

Group B (ONSITE: Caustics, Oxidizers, Chromate)

Items 8, 10, 14, 18

Group C (ONSITE: Organic Acids, Alcohols, Naphtha, Esters)

Items 1, 4, 6, 19

Group ~~B~~^{SL} (ONSITE - Sanitary Waste Dumpster: Non-hazardous, Nonreactive)

Items: 7, 11, 12, 13, 16, 20

600505



Rockwell
International

Mr. K. H. Smith

Page 2

MAY 11 1984

Should you require further assistance regarding the disposition of the wastes listed on the subject Disposal Analysis, please contact Mr. L. F. Lust (3-4802).

Very truly yours,

H. A. Haerer

H. A. Haerer, Project Manager
Hazardous Waste Program

HAH:LFL:ra

Att.

91122410503

000007

DISPOSAL ANALYSIS NO. 12-15

Offsite Disposal

Items listed for Offsite Disposal must be properly packaged, labeled and manifested for shipment to an offsite disposal facility in accordance with the State of Washington law (Chapter 173-303). The Hanford generator has the responsibility for packaging and for shipping the waste to the offsite staging facility, 2727-S/200 West. Offsite disposal shipments originating from this facility will be arranged by Rockwell.

The waste generator must comply with the following requirements for packaging, labeling and marking wastes for offsite disposal:

- o In accordance with 49 CFR 173.24, waste must be packaged in strong, tight, DOT-approved containers.
- o The DOT Label(s) specified in this Disposal Analysis must be applied to the container. Labels may be obtained from Rockwell central stores.
- o The DOT Shipping Name and the DOT Identification Number specified in this Disposal Analysis must be marked on the container.
- o The total weight, if over 110 pounds must be marked on the container.
- o In accordance with 49 CFR 172.301 and 172.304, all marking must be legible, durable, in letters at least one-half inch high and in a color which contrasts with the container.
- o Bunges must be securely in place for transport.

If more than one waste type is placed in a single package, the following additional requirements must be met:

- o Only items in the same compatibility group, as specified in this Disposal Analysis may be placed in a common overpack.
- o Inert packing material (e.g., "kitty litter" or vermiculite) must be used to separate individual containers and to fill any void space within the overpack.
- o A weather-proof listing of the chemicals (e.g., a protected cut-out of the information provided in this Disposal Analysis), including DOT Shipping Names and DOT Identification Numbers, must be applied to the overpack.
- o "THIS SIDE UP" or "THIS END UP" must be marked on the top of the overpack.

600303

Disposal Analysis No. 12-15 (cont'd)

Offsite Disposal (cont'd)

- o The package must be marked with an identification number correlating with the package number on the attached Uniform Hazardous Waste Manifest.

All hazardous waste must be accompanied by a Uniform Hazardous Waste Manifest. The manifest for shipment to 2727-S has been initiated by the Rockwell Solid Waste Processing and Disposal Unit (SWP&DU). Both the waste generator and a representative from SWP&DU will sign the Generator's Certification block 16. After block 17 has been signed by the transporter and block 20 has been signed by the disposal site operator, the manifest will be returned to SWP&DU, 2750-E/200 East for distribution of the copies.

000003

DISPOSAL ANALYSIS NO. 12-15

Onsite Dispsal

Items listed for Onsite Disposal must be properly packaged, labeled and manifested for disposal at the Hanford Nonradioactive Hazardous Waste Chemical Trench.

The waste generator must comply with the following requirements for packaging, labeling and marking wastes for onsite disposal:

- o In accordance with 49 CFR 173.24, waste must be packaged in strong, tight DOT-approved containers.
- o The DOT Label(s) specified in this Disposal Analysis must be applied to the container. Labels may be obtained from Rockwell central stores.
- o The DOT Shipping Name and the DOT Identification Number specified in this Disposal Analysis must be marked on the container.
- o The total weight, if over 110 pounds, must be marked on the container.
- o In accordance with 49 CFR 172.301 and 172.304, all marking must be legible, durable, in letters at least one-half inch high and in a color which contrasts with the container.
- o Bungs must be securely in place for transport.

All hazardous waste must be accompanied by a Uniform Hazardous Waste Manifest. The manifests for shipment to the central landfill and to 2727-S have been initiated by the Rockwell Solid Waste Processing and Disposal Unit (SWP&DU). Both the waste generator and a representative from SWP&DU will sign the Generator's Certification block 16. After block 17 has been signed by the transporter and block 20 has been signed by the disposal site operator, the manifests will be returned to SWP&DU, 2750-E/200 East for distribution of the copies.

000010

DISPOSAL ANALYSIS NO. 12-15

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
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OFFSITE DISPOSAL

Compatibility Group A

2		Toluene	Flammable Liquid	UN1294	Flammable Liquid	U220	8	Glass	1 pint
3		Xylene	Flammable Liquid	UN1307	Flammable Liquid	U239	1	Glass	1 pint
5		Benzene	Flammable Liquid	UN1114	Flammable Liquid	U019	5	Glass	1 pint
15	1-1-1	Trichloroethane	ORM-A	UN2831	None	U226	1	Metal	1 quart
17		Formaldehyde Solution (37%)	ORM-A	UN1198	None	U122	1	Glass	1 pint

ONSITE DISPOSAL

Compatability Group B

9		Potassium Permanganate	Oxidizer	UN1490	Oxidizer	None	1	Glass	1 pound
8		Sodium Nitrate	Oxidizer	UN1498	Oxidizer	None	3	Glass	1 pound
14		Sodium Chromate	ORM-E	NA9145	ORM-E	D007	1	Glass	1 pound
18		Sodium Hydroxide, Dry Solid Material	Corrosive	UN1823	Corrosive	D002	1	Glass	5 pounds

Compatibility Group C

1		Ethyl Acetate	Flammable Liquid	UN1173	Flammable Liquid	D001	1	Glass	1 pint
4		Methyl Alcohol	Flammable Liquid	UN1230	Flammable Liquid	U154	3	Glass	1 pint
6		Isopropanol	Flammable Liquid	UN1219	Flammable Liquid	D001	2	Metal	1 quart
19		Naphtha	Flammable Liquid	UN2553	Flammable Liquid	D001	1	Glass	1 gallon

000011

DISPOSAL ANALYSIS NO. 12-15

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
<u>ONSITE DISPOSAL (Cont'd)</u>									
<u>Compatibility Group D</u>									
10		Ammonium Nitrate	Oxidizer	UN1942	Oxidizer	None	1	Glass	1 pound
12		Ammonium Chloride	ORM-E	NA9085	None	None	1	Glass	1 pound
16		Ammonium Hydroxide	Corrosive Material	NA2672	Corrosive	D002	2	Glass	1 quart
20		Ammonium Oxalate (TURCO 4521)	ORM-A	NA2449	None	None	1	Glass	2 quart
<u>ONSITE DISPOSAL - SANITARY WASTE</u>									
7		None (Cool Amp)	None	None	None	None	1	Glass	1 pound
11		None (Oxalic Acid)	None	None	None	None	1	Glass	1 pound
13		None (Tartaric Acid)	None	None	None	None	1	Glass	1 pound

000012

8th, 85

On Friday, November 8th, 1985, trench #19-N, the Oxidizer Trench at the Central Landfill was excavated in order to remove drums containing sodium nitrite. All other waste drums previously manifested to this trench were also removed. The following information is to be attached to each hazardous waste manifest which was affected by the excavation.

Manifest #	Status of Waste Drums After Trench Excavation:
RHO-13-33	Drums disposed to trash trench, central landfill.
PNL-7-23	Drums were returned back to oxidizer trench.
UNC-12-15B	Drums were returned back to oxidizer trench:
RHO-5-31	13 drums of sodium nitrite were not located in the oxidizer trench. It is assumed that burial took place in the corrosive trench, since the manifest gives a disposal date to the chemical trench.
RHO-13-9	Drums were disposed to trash trench, central landfill.
RHO-11-29	Drums were disposed to trash trench, central landfill.
RHO-13-5	Drums were disposed to trash trench, central landfill.
RHO-11-3	Drums were disposed to trash trench, central landfill.
PNL-7-25	2 lab packs in this disposal request were not located in the oxidizer trench. It is assumed that past burial occurred in the corrosive trench, since the manifest shows disposal in the chemical trench.
RHO-10-31	Drums were disposed to trash trench, central landfill.
PNL-5-9	13 Drums of sodium nitrite were transported to the 2727-S storage facility/200 West because of their EHW designation. For the 10 drums of hydrated nickel listed on the manifest, status is: 1 drum was also transported to 2727-S, for storage (EHW because of carcinogenic waste designation). At time of transport drum was not known. The hydrated nickel drum was opened at 2727-S for clear identification. The other 9 drums of hydrated nickel were not found in the oxidizer trench. It is assumed they were buried in the corrosive trench.
RHO-9-33	Drums redispensed to the oxidizer trench.
PNL-5-17	Drums were disposed to trash trench, central landfill.

91122127116

000313

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 KH Smith 105N/100 N				A. State Manifest Document Number UNK-12-15B				
4. Generator's Phone (509) 373-4940				B. State Generator's ID				
5. Transporter 1 Company Name Roussell Hanford		6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID				
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 376-1420				
9. Designated Facility Name and Site Address Central Landfill Chemical Trench				E. State Transporter's ID				
10. US EPA ID Number WA 789 000 8967				F. Transporter's Phone				
				G. State Facility's ID				
				H. Facility's Phone 509-376-6748				
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity	14. Unit W/Vol	15. Waste No.		
		No.	Type					
a.	B Oxidizer, Corrosive solid, NOS	Oxidizer & Corrosive	NA 9194	1	DM	4	F³	D007 D002
b.	C Flammable Liquid, NOS	Flammable Liquid	UN1993	1	DM	4	F³	U154 D001
c.	D Oxidizer, Corrosive, solid, NOS	Oxidizer & Corrosive	NA 9194	1	DM	4	F³	D002
d.								
J. Additional Descriptions for Materials Listed Above Labpacks containing glass and metal containers, packed in vermiculite.				K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.								
Printed/Typed Name JOEL COOPER				Signature <i>[Signature]</i>		Inspected by L J Lunt 11/29/84	Date Month Day Year 11 29 84	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name R.C. HAWKS		Signature <i>[Signature]</i>		Date Month Day Year 12 15 84
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name ROBERT CHAMBERS		Signature <i>[Signature]</i>		Date Month Day Year 12 15 84
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 D F Phelps				Signature <i>[Signature]</i>		Date Month Day Year 12 15 84		

000381

DISPOSAL PACKET NUMBER

P84-088

91122430611

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>WA 789 000 8967</i>	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 <i>HA Clark 2722-E/200 East RHO 13-7</i>				A. State Manifest Document Number						
4. Generator's Phone (<i>509</i>) <i>373-2319</i>				B. State Generator's ID						
5. Transporter 1 Company Name <i>Rockwell Hanford</i>		6. US EPA ID Number <i>WA 789 000 8967</i>		C. State Transporter's ID						
7. Transporter 2 Company Name <i>NA</i>		8. US EPA ID Number <i>NA</i>		D. Transporter's Phone <i>376-1420</i>						
9. Designated Facility Name and Site Address <i>Central Landfill Chemical Trench</i>				10. US EPA ID Number <i>WA 789 000 8967</i>		E. State Transporter's ID				
						F. Transporter's Phone				
						G. State Facility's ID				
						H. Facility's Phone <i>(509) 376-6748</i>				
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers	13. Total Quantity	14. Unit	L. Waste No.	
						No.	Type	W/Vol		
a. <i>Non-Regulated Empty drums</i>						<i>None</i>	<i>None</i>	<i>66 DM</i>	<i>482 Ft³</i>	<i>None</i>
b. <i>Non-Regulated Empty drums</i>						<i>None</i>	<i>None</i>	<i>4 DF</i>	<i>29 Ft³</i>	<i>None</i>
c.										
d.										
J. Additional Descriptions for Materials Listed Above <i>66 Metal drums, 4 Fiber Drums Total Volume 511 Ft³</i>						K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.						Approved by		Date		
Printed/Typed Name <i>H.A. Clark</i>				Signature <i>H.A. Clark</i>		<i>L.J. Lust</i>				
17. Transporter 1 Acknowledgement of Receipt of Materials						Date				
Printed/Typed Name <i>JO THOMPSON</i>				Signature <i>JO Thompson</i>		Month Day Year <i>3 7 85</i>				
18. Transporter 2 Acknowledgement of Receipt of Materials						Date				
Printed/Typed Name				Signature		Month Day Year				
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Date				
Printed/Typed Name <i>H.A. Clark</i>				Signature <i>H.A. Clark</i>		Month Day Year <i>12 14 84</i>				

C00321

91122-0612

Internal Letter



Rockwell International

Date December 10, 1984

No . 05000-84-081

TO: (Name, Organization, Internal Address)

FROM: (Name, Organization, Internal Address, Phone)

H. A. Clark
2722E/200 East

H. A. Haerer
Hazardous Waste Program

3-4216

Subject . DISPOSAL ANALYSIS NO. 13-7

Reference: Chemical Waste Disposal Request, December 3, 1984

The Solid Waste Processing & Disposal Unit (SWP&DU) of Rockwell Hanford Operations (Rockwell) has completed analysis of the referenced Chemical Waste Disposal Request. Disposal instructions for these wastes are prescribed in the attached, subject Disposal Analysis.

It has been determined that the waste described in the referenced Disposal Request consists entirely of non-regulated empty drums which should be deposited in the Hanford Nonradioactive Chemical Trench.

Arranging for transportation of waste packages directly to the Chemical Trench is a generator responsibility and may be implemented following compliance with the disposal instructions for Onsite Disposal in the subject Disposal Analysis, completion of the attached Uniform Hazardous Waste Manifest and certification by SWP&DU. Transportation arrangements can be made by contacting A. D. Poor (6-1420).

Should you require further assistance regarding the disposition of the wastes listed on the subject Disposal Analysis, please contact Mr. L. F. Lust (3-4802).

H. A. Haerer
H. A. Haerer
Project Manager
Hazardous Waste Program

HAH:LFL:ra

Att.

cc: G. R. Cox *GRC*
D. R. Groth *DRG*
L. F. Lust (2)

12/18/84 C900-0930

RM

HAERER-JIM

RECEIVED
DEC 13 1984
HA CLARK

000322

DISPOSAL ANALYSIS NO. 13-7

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
----------	---------------	-------------------	------------------	---------------------------	-----------	------------	-------------------	-------------------	------------------------

OFFSITE DISPOSAL

ONSITE DISPOSAL

		Non-Regulated Empty Drums	None	None	None	None	66	42-gallon metal drums	Empty
		Non-Regulated Empty Drums	None	None	None	None	4	42-gallon fiber drums	Empty

000323

Internal Letter



Rockwell International

Date December 10, 1984

No 05000-84-081

TO: Name Organization, Internal Address

FROM: Name Organization, Internal Address, Phone

H. A. Clark
2722E/200 East

H. A. Haerer
Hazardous Waste Program
3-4216

Subject DISPOSAL ANALYSIS NO. 13-7

Reference: Chemical Waste Disposal Request, December 3, 1984

The Solid Waste Processing & Disposal Unit (SWP&DU) of Rockwell Hanford Operations (Rockwell) has completed analysis of the referenced Chemical Waste Disposal Request. Disposal instructions for these wastes are prescribed in the attached, subject Disposal Analysis.

It has been determined that the waste described in the referenced Disposal Request consists entirely of non-regulated empty drums which should be deposited in the Hanford Nonradioactive Chemical Trench.

Arranging for transportation of waste packages directly to the Chemical Trench is a generator responsibility and may be implemented following compliance with the disposal instructions for Onsite Disposal in the subject Disposal Analysis, completion of the attached Uniform Hazardous Waste Manifest and certification by SWP&DU. Transportation arrangements can be made by contacting A. D. Poor (6-1420).

Should you require further assistance regarding the disposition of the wastes listed on the subject Disposal Analysis, please contact Mr. L. F. Lust (3-4802).

H. A. Haerer

H. A. Haerer
Project Manager
Hazardous Waste Program

HAH:LFL:ra

Att.

cc: G. R. Cox *GRC*
D. R. Groth *DRG*
-L. F. Lust (2)

000325

. A R Poor

91122430616

DISPOSAL ANALYSIS NO. 13-7

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
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OFFSITE DISPOSAL

ONSITE DISPOSAL

		Non-Regulated Empty Drums	None	None	None	None	.66	42-gallon metal drums	Empty
		Non-Regulated Empty Drums	None	None	None	None	4	42-gallon fiber drums	Empty

000026

Internal Letter



Rockwell International

Date December 10, 1984

No . 05000-84-081

TO: *Name Organization Internal Address*

FROM: *Name Organization Internal Address Phone*

H. A. Clark
2722E/200 East

H. A. Haerer
Hazardous Waste Program

3-4216

Subject . . . DISPOSAL ANALYSIS NO. 13-7

Reference: Chemical Waste Disposal Request, December 3, 1984

The Solid Waste Processing & Disposal Unit (SWP&DU) of Rockwell Hanford Operations (Rockwell) has completed analysis of the referenced Chemical Waste Disposal Request. Disposal instructions for these wastes are prescribed in the attached, subject Disposal Analysis.

It has been determined that the waste described in the referenced Disposal Request consists entirely of non-regulated empty drums which should be deposited in the Hanford Nonradioactive Chemical Trench.

Arranging for transportation of waste packages directly to the Chemical Trench is a generator responsibility and may be implemented following compliance with the disposal instructions for Onsite Disposal in the subject Disposal Analysis, completion of the attached Uniform Hazardous Waste Manifest and certification by SWP&DU. Transportation arrangements can be made by contacting A. D. Poor (6-1420).

Should you require further assistance regarding the disposition of the wastes listed on the subject Disposal Analysis, please contact Mr. L. F. Lust (3-4802).

HAH Haerer
H. A. Haerer
Project Manager
Hazardous Waste Program

HAH:LFL:ra

Att.

cc: G. R. Cox *GRC*
D. R. Groth *DRG*
-L. F. Lust (2)

COCC
328

91122430619

DISPOSAL ANALYSIS NO. 13-7

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
----------	---------------	-------------------	------------------	---------------------------	-----------	------------	-------------------	-------------------	------------------------

OFFSITE DISPOSAL

ONSITE DISPOSAL

		Non-Regulated Empty Drums	None	None	None	None	66	42-gallon metal drums	Empty
		Non-Regulated Empty Drums	None	None	None	None	4	42-gallon fiber drums	Empty

000000

Complete all parts and forward to: **SWP&QU 2750E/200E Rockwell**

**Rockwell Manfg. Operations
CHEMICAL WASTE DISPOSAL REQUEST**

Logbook No. **13-7**

Manifesta cross-reference

Requested by: **H.A. Clark** *H.A. Clark* Telephone Number: **3-2319** Address: **2722-E** Company: **RHO**

Signature: *H.A. Clark* Date: **12-3-84**

WASTE DESCRIPTION (If more than 12 items, continue on the back of this form)

Item No.	No. of Containers	Container Volume	Waste Volume	Container Material	Chemical or Trade Name	Solid(S) Liquid(L) Gas(G)	Hazards*	Status**	Disposition and Date
1	60	42 gal.		metal	Sludgetrol Deatrol 4752	L	C	MT	
2	2	42 gal.		metal	Amine-Super Filmeen 14	L	none	MT	
3	4	42 gal.		fiber	Corregen-Dearbourn 66	S	C	MT	
4	4	42 gal.		Metal	Lubricating Oil	L	none	MT	
					All material located at 284-W				

Radiation Monitoring Release Survey Card Number (if applicable)

- * Hazards:
 - Corrosive - C
 - Oxidizer - O
 - Poison - P
 - Flammable - F
 - Explosive - E
- ** Status:
 - Full - F
 - Partially Full - PF
 - Empty (<1 in.) - M.T.
 - Triple rinsed (empty drums) - TR
 - Reacted - Rx
 - Old (expired) - O
 - New (unused) - N
- *** Indicate how many containers of this size are being offered for disposal

C.C.C.

Complete unshipped and forward to: SWPBUJ 2760E/200E Rockwell	Rockwell Hanford Operations CHEMICAL WASTE DISPOSAL REQUEST	Logbook No. 13-7 Manifest(s) cross-reference	
Requested by H.A. Clark <i>H.A. Clark</i>	Telephone Number 3-2319	Address 2722-E	Company RHO
Signature <u><i>H.A. Clark</i></u>		Date <u><i>12-3-84</i></u>	

WASTE DESCRIPTION (If more than 12 items, continue on the back of this form)

Item No.	*** No. of Containers	Container Volume	Waste Volume	Container Material	Chemical or Trade Name	Solid(S) Liquid(L) Gas(G)	Hazards*	Status**	Disposition and Date
1	60	42 gal.		metal	Sludgetrol <i>Dearrol 1% NaOH</i> Deatrol 4752 <i>pH 9.5</i>	L	C	MT	
2	2	42 gal.		metal	Amine-Super Filmeen 14 <i>Non hazardous</i>	L	none	MT	
3	4	42 gal.		fiber	Corregen-Dearbon 66 <i>95% Na₂SO₃</i> <i>New Jersey</i>	S	C	MT	
4	4	42 gal.		Metal	Lubricating Oil	L	none	MT	
					All material located at 284-W				
				<i>Item 3</i>	<i>Coal bit LDG 20 mg/h; Non toxic</i>				

Radiation Monitoring Release Survey Card Number (if applicable)

- Hazards**
- Corrosive - C
- Oxidizer - O
- Poison - P
- Flammable - F
- Explosive - E
- Status**
- Full - F
- Partially Full - PF
- Empty (<1 in.) - M.T.
- Triple rinsed (empty drums) - TR
- Reacted - Rx
- Old (expired) - O
- ***** Indicate how many containers of this size are being offered for disposal

100001

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967		Manifest Document No.		2. Page 1 of 1		Information in the shaded area is not required by Federal law.		
		3. Generator's Name and Mailing Address HA Clerk 2722-E/2nd East		RHD 13-7		A. State Manifest Document Number		B. State Generator's ID		
4. Generator's Phone (509) 372-2319		5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID		D. Transporter's Phone 376-1420		
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		E. State Transporter's ID		F. Transporter's Phone		G. State Facility's ID		
9. Designated Facility Name and Site Address Central Landfill Chemical Trench		10. US EPA ID Number WA 789 000 8967		H. Facility's Phone (509) 376-6748						
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste No.		
	a. Non-Regulated Empty drums			None None		66	DM	482	Ft³	None
	b. Non-Regulated Empty drums			None None		4	DF	29	Ft³	None
	c.									
	d.									
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above				
66 Metal drums, 4 Fiber Drums										
Total Volume 511 Ft³										
15. Special Handling Instructions and Additional Information										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.										
Printed/Typed Name				Signature		Date		Month Day Year		
				Approved by L.J. Lust						
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials									
	Printed/Typed Name				Signature		Date		Month Day Year	
FACILITY	18. Transporter 2 Acknowledgement of Receipt of Materials									
	Printed/Typed Name				Signature		Date		Month Day Year	
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.										
Printed/Typed Name				Signature		Date		Month Day Year		

POOR COPY RECEIVED

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

Form Approved. OMB No. 2000-0404. Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 E167	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 HA Clark 1722 E 1200 East RHO 13-7				A. State Manifest Document Number			
4. Generator's Phone (509) 379-2317				B. State Generator's ID			
5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 787 000 3167		C. State Transporter's ID			
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 376-1420			
9. Designated Facility Name and Site Address Central Landfill Chemical Trinch		10. US EPA ID Number WA 789 000 E767		E. State Transporter's ID			
				F. Transporter's Phone			
				G. State Facility's ID			
				H. Facility's Phone (509) 376-6748			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	15. Waste No.
a. Non-Regulated Empty drums		66 DM		4.7		Ft ³	None
b. Non-Regulated Empty drums		4 DF		27		Ft ³	None
c.							
d.							
J. Additional Descriptions for Materials Listed Above 66 Metal Drums, 4 Fiber Drums Total Volume 511 Ft ³				K. Handling Codes for Wastes Listed Above			
16. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.							
Printed/Typed Name H. H. Clark		Signature H. H. Clark		Approved By P. J. Hunt		Date Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date			
Printed/Typed Name		Signature		Month Day Year			
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date			
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name H. H. Clark		Signature H. H. Clark		Date 12 18 84			

9112230524

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 HA Clark 2722 E/200 East RHO 13-7				A. State Manifest Document Number			
4. Generator's Phone (509) 373-2319				B. State Generator's ID			
5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID			
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 376-1420			
9. Designated Facility Name and Site Address Central Landfill Chemical Trench		10. US EPA ID Number WA 789 000 8967		E. State Transporter's ID			
				F. Transporter's Phone			
				G. State Facility's ID			
				H. Facility's Phone (509) 376-6748			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
				No.	Type		
a.	Non-Regulated Empty drums			66	DM	482	FT ³ None
b.	Non-Regulated Empty drums			4	DF	29	FT ³ None
c.							
d.							
J. Additional Descriptions for Materials Listed Above 66 Metal drums, 4 Fiber Drums Total Volume 511 FT ³					K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.							
Printed/Typed Name H.A. Clark				Signature H.A. Clark		Date Approved by L.J. Lust	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature J.O. Thompson		Date 3/7/84	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name H.A. Clark				Signature H.A. Clark		Date 12/14/84	

91122480525

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

Form Approved. OMB No. 2030-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. WA 751 000101	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
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3. Generator's Name and Mailing Address HA Clark 2122 E. 1st St		4. Generator's Phone (714) 375-2511		A. State Manifest Document Number RHC 12-7
5. Transporter 1 Company Name		6. US EPA ID Number WA 751 000101		B. State Generator's ID
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID
9. Designated Facility Name and Site Address		10. US EPA ID Number		D. Transporter's Phone 374-1426
				E. State Transporter's ID
				F. Transporter's Phone
				G. State Facility's ID
				H. Facility's Phone 374-2745

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
	No.	Type			
a. Non-Regulated Kerosene	66	DM	4.7	FF ³	None
b. Non-Regulated Kerosene	4	DF	21	FF ³	None
c.					
d.					

J. Additional Descriptions for Materials Listed Above 66 Metal drums, 4 Fiberglass Total Volume 511 Ft ³	K. Handling Codes for Wastes Listed Above
---	---

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name	Signature	Date
		Month Day Year

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

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

19. Discrepancy Indication Space

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

91122130626

GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8167		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 HA Clark 2722-E/3rd East		RHD 13-7		A. State Manifest Document Number		B. State Generator's ID					
4. Generator's Phone (509) 375-2317		5. Transporter 1 Company Name Rockwell Hazard		6. US EPA ID Number WA 789 000 8167		C. State Transporter's ID		D. Transporter's Phone 376-1426					
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		E. State Transporter's ID		F. Transporter's Phone		G. State Facility's ID					
9. Designated Facility Name and Site Address Central Hazardous Chemical Treatment		10. US EPA ID Number WA 789 000 8167		H. Facility's Phone (509) 376-6746									
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
						No. Type		Quantity		Unit Wt/Vol		Waste No.	
a. Non-Regulated Empty Drums						66 DM		400		Ft³		None	
b. Non-Regulated Empty Drums						4 DF		29		Ft³		None	
c.													
d.													
J. Additional Descriptions for Materials Listed Above 66 Metal drums, 4 Fiber Drums Total Volume 511 Ft³						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.													
Printed/Typed Name H. A. Clark				Signature <i>H. A. Clark</i>				Date Approved by <i>P. J. Funt</i>		Date Month Day Year			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Date Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Date Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										Date			
Printed/Typed Name H. A. Clark				Signature <i>H. A. Clark</i>				Date 12 14 86					

91122130627

GENERATOR

TRANSPORTER

FACILITY

DISPOSAL PACKET NUMBER

P84-089

91122430628

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: RONALD L. NELSON

Phone Number: 373-2323

Contractor Contracted By: ROCKWELL HANFORD OPS.

Location: 202A/200E Estimated Volume (ft³): 8

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Ronald L. Nelson

Date: December 17, 1984

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: D. E. Phelps

Date: 12-17-1984

DISPOSAL PACKET NUMBER

P84-090

91122130630

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 RE Wickersham 372-E/200 East				A. State Manifest Document Number RHO 10-23					
4. Generator's Phone (509) 373-4074				B. State Generator's ID					
5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 789 000 3767		C. State Transporter's ID					
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 376-1420					
9. Designated Facility Name and Site Address Central Landfill Corrosive Treat		10. US EPA ID Number WA 789 000 3967		E. State Transporter's ID					
				F. Transporter's Phone					
				G. State Facility's ID					
				H. Facility's Phone (509) 376-6748					
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.		
	a. waste Flammable Liquid Corrosive			Flammable Liquid	UN 2720	1 DM	0.7	FE3 #	DCC2 L154
	b.							DCC1	
	c.								
	d.								
J. Additional Descriptions for Materials Listed Above Steel paint bucket w/ glass inside container				K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.									
Printed/Typed Name RWE Wickersham		Signature <i>[Signature]</i>		Inspected by <i>[Signature]</i>		Date 12/19/84			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name JOHN H. ARMSTRONG		Signature <i>[Signature]</i>		Date 12/20/84			
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Date			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name JOE Phelps		Signature <i>[Signature]</i>				Date 12/20/84			

00C198

9112230631

✓
Internal Letter



Rockwell International

Date: November 19, 1984

No . 05000-84-067

TO: *(Name, Organization, Internal Address)*
. R. E. Wickersham
. 272-E/200 East

FROM: *(Name, Organization, Internal Address, Phone)*
. H. A. Haerer
. Hazardous Waste Program
. 3-4216

Subject: . DISPOSAL ANALYSIS NO. 10-23

Reference: Chemical Waste Disposal Request, November 6, 1984

The Solid Waste Processing and Disposal Unit (SWP&DU) of Rockwell Hanford Operations (Rockwell) has completed analysis of the referenced Chemical Waste Disposal Request. Disposal instructions for these wastes are prescribed in the attached, subject Disposal Analysis.

All packaging, labeling and marking of the waste must be completed in accordance with the prescribed instructions, which are based on Department of Transportation (DOT) regulations 49 CFR 171-179. In accordance with 40 CFR 263, a properly completed Uniform Hazardous Waste Manifest is required to accompany all waste shipments. A partially completed manifest is attached for your use.

After packaging, labeling and marking have been completed by the waste generator, inspection of the waste packages will be made by SWP&DU personnel as required to certify that the waste is prepared in the manner designated in the subject Disposal Analysis. After inspection, an SWP&DU representative will sign the manifest. Failure of the generator to comply with the instructions in the subject Disposal Analysis will result in suspension of disposal privileges for the offending facility.

Arranging for transportation of waste packages directly to the Hanford Nonradioactive Hazardous Waste Disposal Trench is a generator responsibility and may be implemented following compliance with the disposal instructions for Onsite Disposal in the subject Disposal Analysis, completion of the manifest and certification by SWP&DU. Transportation arrangements can be made by contacting A. D. Poor (6-1420).

91122130632
006199



Rockwell
International

Mr. R. E. Wickersham
Page 2
November 19, 1984

Should you require further assistance regarding the disposition of the wastes listed on the subject Disposal Analysis, please contact Mr. L. F. Lust (3-4802).

H. Haerer

H. A. Haerer, Project Manager
Hazardous Waste Program

HAH:LFL:ra

Att.

cc: G. R. Cox *GRC*
D. R. Groth *DRG*
L. F. Lust
A. D. Poor

91122430633

000200

DISPOSAL ANALYSIS NO. 10-23

Onsite Disposal

Items listed for Onsite Disposal must be properly packaged, labeled and manifested for disposal at the Hanford Nonradioactive Hazardous Waste Chemical Trench.

The waste generator must comply with the following requirements for packaging, labeling and marking wastes for onsite disposal:

- o In accordance with 49 CFR 173.24, waste must be packaged in strong, tight DOT-approved containers. The overpack may be a DOT Spec. 12 B fiberboard box or a 5-gallon paint bucket (Stores 42-1380-105).
- o Inert packing material (e.g., "kitty litter" or vermiculite) must be used to separate individual containers within the common overpack.
- o The DOT Label(s) specified in this Disposal Analysis must be applied to the container. Labels may be obtained from Rockwell Central Stores.
- o The DOT Shipping Name and the DOT Identification Number specified in this Disposal Analysis must be marked on the container.
- o The total weight, if over 110 pounds, must be marked on the container.
- o In accordance with 49 CFR 172.301 and 172.304, all marking must be legible, durable, in letters at least one-half inch high and in a color which contrasts with the container.
- o A weather-proof listing of the chemicals (e.g., a protected cut-out of the information provided in this Disposal Analysis), including DOT Shipping Names and DOT Identification Numbers, must be applied to the overpack.
- o "THIS SIDE UP" or "THIS END UP" must be marked on the top of the overpack.

All hazardous waste must be accompanied by a Uniform Hazardous Waste Manifest. The manifest has been initiated by the Rockwell Solid Waste Processing and Disposal Unit (SWP&DU). Both the waste generator and a representative from SWP&DU will sign the Generator's Certification block 16. After block 17 has been signed by the transporter and block 20 has been signed by the disposal site operator, the manifest will be returned to SWP&DU, 2750-E/200 East for distribution of the copies.

000201

DISPOSAL ANALYSIS NO. 10-23

ITEM NO.	CONTAINER NO.	DOT SHIPPING NAME	DOT HAZARD CLASS	DOT IDENTIFICATION NUMBER	DOT LABEL	EPA NUMBER	NO. OF CONTAINERS	TYPE OF CONTAINER	QUANTITY PER CONTAINER
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OFFSITE DISPOSALONSITE DISPOSAL

1		Waste Corrosive Liquid, Poisonous, NOS	Corrosive Material	UN2922	Corrosive and Poison	D002	4	Glass	69 ml
2		Waste Methyl Alcohol	Flammable Liquid	UN1230	Flammable Liquid	U154	1	Glass	230 ml

Note: These are compatible items and may be placed in a common overpack.

000202

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 757 000 5167	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 E WICK OFFSHORE RHD 10-23 372-E/300 East				A. State Manifest Document Number		
4. Generator's Phone (509) 373-4074				B. State Generator's ID		
5. Transporter 1 Company Name Keelewell Hazard		6. US EPA ID Number WA 757 000 5167	C. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Phone 376-1420			
9. Designated Facility Name and Site Address Central Landfill Corvallis Trench		10. US EPA ID Number WA 757 000 5167	E. State Transporter's ID			
			F. Transporter's Phone			
			G. State Facility's ID			
			H. Facility's Phone (509) 376-6746			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
a. Flammable Liquid Liquid		1	0.7	FD	D002 U154	
b.					U111	
c.						
d.						
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.						
Printed/Typed Name Keelewell-Keele				Signature [Signature]		Date 12 VI 89
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name JOHN H. ARMSTRONG				Signature [Signature]		Date 12 VI 89
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name				Signature		Date
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name O E F-105				Signature [Signature]		Date 12 20 89

91122130637

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 RE Wickersham RHO 10-23 272-E/200 East				A. State Manifest Document Number				
4. Generator's Phone (509) 373-4074				B. State Generator's ID				
5. Transporter 1 Company Name Rocwell Hanford		6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID				
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 376-1420				
				E. State Transporter's ID				
				F. Transporter's Phone				
9. Designated Facility Name and Site Address Central Landfill Corrosive Trexk		10. US EPA ID Number WA 789 000 8967		G. State Facility's ID				
				H. Facility's Phone (509) 376-6748				
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
				No.	Type			
a.	waste Flammable Liquid Corrosive		Flammable Liquid UN2920		1 DM	0.7	FL3	D002 U154
b.								D001
c.								
d.								
J. Additional Descriptions for Materials Listed Above Steel paint bucket w/ glass inside container						K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.								
Printed/Typed Name X RWE Wickersham						Signature <i>RWE Wickersham</i>		Date 12/19/84
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <i>John H. Armstrong</i>		Date 12/20/84
Printed/Typed Name JOHN H. ARMSTRONG						Signature		Date
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature		Date
Printed/Typed Name						Signature		Date
19. Discrepancy Indication Space								
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Signature <i>W E Phelps</i>		Date 12/20/84
Printed/Typed Name W E Phelps						Signature		Date

9112200678

DISPOSAL PACKET NUMBER

P84-091

91122430639

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 789 000 8967	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 R. L. Nelson 307A/200E			RHC 13-13		A. State Manifest Document Number			
4. Generator's Phone (509) 323-3323					B. State Generator's ID			
5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 789 000 8967		C. State Transporter's ID				
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		D. Transporter's Phone 376-1420				
9. Designated Facility Name and Site Address Central Landfill Corrosive Trench			10. US EPA ID Number WA 789 000 8967		E. State Transporter's ID			
					F. Transporter's Phone			
					G. State Facility's ID			
					H. Facility's Phone (509) 376-6748			
GENERATOR	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 Empty, Non-Regulated Drums (Ferric Sulfamate and hydromyl aniline nitrate)		None	None	117	Dr	FC ³	14.1.0
	b.							
	c.							
	d.							
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.								
Printed/Typed Name RONALD L. NELSON		Signature Ronald L. Nelson		Approved by T. Lust		Date 12/20/84		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name TIMOTHY W. TOBERG		Signature Timothy W. Toberg		Date 12/20/84		
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Date		
19. Discrepancy Indication Space								
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name D. E. Phelps		Signature D. E. Phelps				Date 12/08/84		

G0C338

91122130440

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 799 000 8967	Manifest Document No. RHO 13-13	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address R L Nelson 202 A1200E		4. Generator's Phone (509) 373-2323		A. State Manifest Document Number		
5. Transporter 1 Company Name Rockwell Hanford		6. US EPA ID Number WA 789 000 8967		B. State Generator's ID		
7. Transporter 2 Company Name NA		8. US EPA ID Number NA		C. State Transporter's ID		
9. Designated Facility Name and Site Address Central Landfill Corrosive Trench		10. US EPA ID Number WA 789 000 8967		D. Transporter's Phone 376-1420		
				E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone (509) 376-6748		
GENERATOR	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	a.	Waste Empty Non-Regulated Drums (Perovous sulfamate and hydromyl amine nitrate)	15	117	ft ³	Name
	b.					
	c.					
	d.					
J. Additional Descriptions for Materials Listed Above					K. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.						
Printed/Typed Name RONALD L. NELSON		Signature Ronald L. Nelson		Approved by L. J. Lutz		Date 12/20
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Timothy W. Tobey		Date 12/20	
	18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
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 N. E. Phelps		Signature N. E. Phelps		Date 12/20		EPA Form 351

9112200642

No DA letter
Ref 11-29

000340

DISPOSAL PACKET NUMBER

P84-092

91122430644

ASBESTOS DISPOSAL REQUEST

The Industrial Hygiene & Safety Department (IH&S) of Rockwell Hanford Operations has control of asbestos management at Hanford. Accordingly, IH&S has established the following disposal requirements for asbestos at the Central Landfill Asbestos Trench:

1. - A radiation release must be obtained for any asbestos emanating from a Radiation Zone.
2. All asbestos material packaged for disposal must be thoroughly wetted to eliminate any airborne asbestos particles during transportation, handling, or burial.
3. All asbestos material must be doubled plastic bagged or wrapped (6 mil or equivalent) to eliminate any airborne asbestos particles. A seal to preclude environmental or personnel exposure should be provided.
4. An accurate estimate of the asbestos volume must be provided along with the following information:

Generator's Name: John Morris / Larry Brown

Phone Number: 3-2338 / 2-3312

Contractor Contracted By: UNC - Tim Huber

Location: 88 N 6N Estimated Volume (ft³): 270

I have read and accept responsibility for the above outlined requirements for disposal of asbestos material.

Generator Name: Jim Brown *Jim Brown*
 Date: 12/17/84 *John E. Phillips*
Kate Lynn Lewis

The above requirements have been met and the estimated volume appears correct.

Landfill Operator: John E. Phillips

Date: 12-20-1984

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