START

0016289

NONRADIOACTIVE DANGEROUS WASTE LANDFILL

INTERNAL SHIPPING DOCUMENTS - MANIFESTS

CATEGORIZED PACKAGE

FOR YEAR 1978

SEP 1991
RECEIVED
EDMC

NOTES ON PREPARATION OF THE NONRADIOACTIVE DANGEROUS WASTE LANDFILL WASTE DISPOSAL DOCUMENT FOR YEAR 1978

1. The file copy of the Nonradioactive Dangerous Waste Landfill (NRDWL) disposal records for the operational years 1975 through 1985 were reviewed and assembled into waste disposal packets.

3. A waste disposal packet number is composed of the letter P (for packet), the last two digits of the year in which disposal took place, and a consecutively assigned three digit number starting with 001 for the first packet of each year (i.e. P75-001 or P83-001)

2. Generally, the disposal record packages contain information on the waste that was disposed only at the NRDWL. However, some waste disposal events have final disposal locations other than NRDWL, have unconfirmed disposal locations or have two or more final (partial) disposal locations. Other final disposal locations consist of the 2727-S/200W Offsite Staging Facility, United Nuclear Industries Landfill, Hanford Solid Waste Landfill, Hanford sanitary trenches, 200W burial area, or unidentified offsite locations. Retained in this document are those disposal events that identify the NRDWL as a final, partial or a uncertain disposal location. All disposal events having been identified as having been disposed of at an other facility either entirely or partially have been forwarded to that particular facility.

3. Records documenting disposal for a given year were assigned page numbers in the initial submittal of the file copy, "Manifest Records for Year 1978", on February 14, 1991. Records are numbered consecutively for each year beginning with 0000001. Generally all documents relating to a single disposal event are arranged in consecutive order. Occasionally, however, disposal packets contain related documents out of consecutive order. Some pages are related to more than one disposal event and appear in more than one waste disposal packet.

4. A cross reference table exists for this document which identifies the packet number, disposal date, file copy page numbers (from the original submittal), final disposal location, and trench number.

DISPOSAL PACKET NUMBER

78-001

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME [illegible] TELEPHONE [illegible]

BUILDING/AREA [illegible]

II. IDENTIFICATION OF MATERIAL

TRADE NAME [illegible]

CHEMICAL NAME _____

STORAGE LOCATION [illegible]

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO [illegible]

III. PACKAGING

LIQUID _____ SOLID X GAS _____

NUMBER OF CONTAINERS [illegible] WEIGHT 40 lbs EA. VOLUME [illegible] EA.

TYPE OF CONTAINER [illegible] AGE OF CONTAINER [illegible]

IV. REASON FOR DISPOSAL

[illegible]

V. DATE DISPOSAL REQUIRED

[illegible]

VI. COMMENTS

_____

APPROVED FOR DISPOSAL
BY [illegible]
DATE [illegible]

DISPOSAL LOCATION [illegible]
BY [illegible]
DATE _____

000045

DISPOSAL PACKET NUMBER

78-002

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME [illegible] TELEPHONE 2 2030

BUILDING/AREA [illegible]

II. IDENTIFICATION OF MATERIAL

TRADE NAME [illegible]

CHEMICAL NAME

STORAGE LOCATION [illegible]

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES____ NO X

III. PACKAGING

LIQUID____ . SOLID [illegible] GAS____

NUMBER OF CONTAINERS 6 WEIGHT 40# EA. VOLUME____ EA.

TYPE OF CONTAINER [illegible] AGE OF CONTAINER VIN

IV. REASON FOR DISPOSAL

[illegible]

V. DATE DISPOSAL REQUIRED

[illegible]

VI. COMMENTS

INFORMATION HAS BEEN DOUBLE BAGGED AS REQUIRED

APPROVED FOR DISPOSAL
BY K Kaul
DATE [illegible]

DISPOSAL LOCATION
BY RS Blanz
DATE 1-3-98

0000044

DISPOSAL PACKET NUMBER

78-003

S/I/150

Atomics International Division
Rockwell Hanford Operations
P.O. Box 800
Richland, WA 99352

Rockwell International

January 11, 1978

Mr. E. Edinger
General Services Administration
Box 400
Federal Building
Richland, Washington 99352

Dear Mr. Edinger:

Disposal of Chemicals

I have approved your request for the chemicals no longer being used in the basement of the Federal Building for disposal.

The following requirements shall be met. Each container will be placed in another metal container. The space between the two will be filled with vermiculite to insure any rupture or leak from the primary container will be confined.

We suggest using a 55 gallon drum for the 30 gallons of Watcoa Barler treatement solution, and for the 15 gallons of Minalk B Acid about a 30 gallon drum. Ten gallon metal containers will be suitable for both the Chromatic Product No. 135 and the five gallons of Soot and Fire powder.

Transportation and final disposal arrangements should be made with Mr. M. E. Clark (2-6748) of TUMS. Please include the approved permit with the shipment to the Central Landfill to be signed by the operator disposing of the material and return to me.

If you have any further questions please let me know.

Thank you for your cooperation.

Very truly yours,

K. Kover

K. Kover
Environmental Engineer

KK/kkc

cc:
M. E. Clark

FILED
FEB 19 1990
GOLDER ASSOCIATES
CA RECORDS

0000001

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME E. FDINGER TELEPHONE 2-6796

BUILDING/AREA 1st floor 700

II. IDENTIFICATION OF MATERIAL

TRADE NAME WT Co PROD #135

CHEMICAL NAME CHROMATE

STORAGE LOCATION BASEMENT

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID X SOLID ____ GAS ____

NUMBER OF CONTAINERS 1 WEIGHT ____ EA. VOLUME 2½ GAL EA.

TYPE OF CONTAINER METAL AGE OF CONTAINER ?

IV. REASON FOR DISPOSAL

NO LONGER USED

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

The 2½ gals of WT Co Prod #135 must be placed in a metal container and labeled with contents.

APPROVED FOR DISPOSAL BY K Rowen

DATE 1-11-78

DISPOSAL LOCATION ____

BY ____

DATE ____

000002

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME E. EDINGER TELEPHONE 26796

BUILDING/AREA FFDF-11-100

II. IDENTIFICATION OF MATERIAL

TRADE NAME PERLOKIN

CHEMICAL NAME SCOTT FINE SCALE POWDER

STORAGE LOCATION FFDF-11-T

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X GAS ____

NUMBER OF CONTAINERS 1 WEIGHT 40 LBS EA. VOLUME ____ EA.

TYPE OF CONTAINER Metal AGE OF CONTAINER ?

IV. REASON FOR DISPOSAL

No longer used

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

The 40 lbs of Powder must be placed in a metal container and filled with vermiculite

APPROVED FOR DISPOSAL BY K. [illegible]

DATE 1-18-78

DISPOSAL LOCATION ____

BY ____

DATE ____

000003

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME E. Edinger TELEPHONE 2-6796

BUILDING/AREA FEDERAL 700

II. IDENTIFICATION OF MATERIAL

TRADE NAME WATCOP

CHEMICAL NAME MINALK B ACID

STORAGE LOCATION BASEMENT

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID X SOLID ____ GAS ____

NUMBER OF CONTAINERS 1 WEIGHT ____ EA. VOLUME 15 GAL EA.

TYPE OF CONTAINER CARDBOARD AGE OF CONTAINER ?

IV. REASON FOR DISPOSAL

No longer used

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

The cardboard has rotted the plastic or metal containers which have been emptied

APPROVED FOR DISPOSAL
BY K Rogers
DATE 1-16-78

DISPOSAL LOCATION ____
BY ____
DATE ____

000004

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

STRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME E EDINGER TELEPHONE 2-6796

BUILDING/AREA FITZN. 700

II. IDENTIFICATION OF MATERIAL

TRADE NAME WATCOR

CHEMICAL NAME ? BOILER TREATMENT SOLUTION

STORAGE LOCATION BASEMENT

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID X SOLID ____ GAS ____

NUMBER OF CONTAINERS 1 WEIGHT ____ EA. VOLUME 30 GAL EA.

TYPE OF CONTAINER DRUM AGE OF CONTAINER ?

IV. REASON FOR DISPOSAL

NO LONGER USED

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

30 gal drums must be placed in metal containers, lids will not suffice

APPROVED FOR DISPOSAL BY K Kaus

DATE 1-18-78

DISPOSAL LOCATION ____

BY ____

DATE ____

000005

DISPOSAL PACKET NUMBER

78-004

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Bob Lane TELEPHONE _____

BUILDING/AREA 100-N T.H. JONES

II. IDENTIFICATION OF MATERIAL

TRADE NAME Asbestos Insulation

CHEMICAL NAME _____

STORAGE LOCATION 100 N T.H. JONES (Truck Load)

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X GAS ____

NUMBER OF CONTAINERS 1 WEIGHT ____ EA. VOLUME ____ EA.

TYPE OF CONTAINER Truck Load AGE OF CONTAINER ____

IV. REASON FOR DISPOSAL

Waste

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

Asbestos Material must be wetted and double-bagged in plastic sheet & taken to Central Landfill

APPROVED FOR DISPOSAL BY [illegible]

DATE 12-28-77

DISPOSAL LOCATION Central Landfill

BY [illegible] Brace

DATE 2-7-78

0000076

DISPOSAL PACKET NUMBER

78-005

9 1 1 2 4 0 0 1 0

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME F. J. Soleck TELEPHONE 2-3410

BUILDING/AREA 2704-10 [illegible]

II. IDENTIFICATION OF MATERIAL

TRADE NAME (Refer to attached list)

CHEMICAL NAME

STORAGE LOCATION

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO ✓

III. PACKAGING (Refer to attached list)

LIQUID ____ SOLID ____ GAS ____

NUMBER OF CONTAINERS ____ WEIGHT ____ EA. VOLUME ____ EA.

TYPE OF CONTAINER ____ AGE OF CONTAINER ____

IV. REASON FOR DISPOSAL

Most of these chemicals are from old stock since Divisions [illegible] Other [illegible] need for them to [illegible] procedures

V. DATE DISPOSAL REQUIRED

12/15/77

VI. COMMENTS

All chemicals are nonradioactive.

APPROVED FOR DISPOSAL BY [illegible]

DATE [illegible]

DISPOSAL LOCATION Chemical Truck —

BY [illegible]

DATE 2-15-78

0000016

JS-200(3-72)

s = stockroom
r = refrigerator
l = labs
c = corridor shelves
o = org liq. storage

INORGANIC OXIDIZERS

Storage Area	Solid/Liquid	Quant	Container Type	Volume	Chemical
s	s	1	g	1 lb.	Barium Perchlorate
c	s	2	g	1 oz/c	Ferrous Nitrate
s	l	9	g	4 oz/c	Mercuric Nitrate
s	s	1	g	3/4 lb	Silver Nitrate
s	s	1	g	1 lb.	Lead Nitrate
s	s	2	g	1 lb/c	Lead Dioxide
s	s	2	g	1 lb/c	Lanthanum Nitrate
s	s	1	g	2 1/2 lb	Mercurous Nitrate
s	s	1	g	1 lb.	Magnesium Perchlorate
s	s	1	g	5 lb.	Sodium Perchlorate
s	s	5	g	1 lb/c	Phosphorous Pentoxide

g = glass
m = metal
p = plastic
c = cardboard container

000017

26-20013-721

I. INORGANIC

Storage Area	Solid/Liquid	Count	Container Type	Volume	Chemical
c	s	1	g	1 lb	Potassium Oxalate
c	s	2	g	1 lb/c	Lanthanum Nitrate Crystals
c	s	1	g	1 lb	Sodium Bisulfite
c	s	1	g	1 lb	Graphite Powder
c	s	1	g	1/4 lb	Lithium Fluoride
c	s	1	g	5 g	Ferric Sulfate
c	s	1	g	1 lb	Potassium Bromide
c	s	1	g	100 g	Reineckes Salt $NH_4[Cr(NH_3)_2(SCN)_4]\cdot H_2O$
s	s	1	g	4 oz	Sodium Stearate
s	s	6	g	1 lb/c	Sodium Sulfite, Anhydrous
s	s	1	g	1/4 lb	Tungstic Anhydride
s	l	4	g	1/4 lb/c	Sodium Silicate
s	s	1	g	1 lb	Potassium Carbonate
s	s	1	g	5 g	Hexachloro Anhydrous Platinum IV
c	s	1	g	1 lb	Ferric Sulfate
s	s	1	g	10 lb	Cerium Sulfate
s	s	1	g	1 lb	Iron Chip Accelerator
s	s	1	g	1 lb.	Potassium Ferricyanide
s	s	1	g	1 lb.	Lithium Hydroxide Anhydrous
s	s	1	g	1 lb.	Sodium Hypochlorite
c	s	1	g	1 lb.	Potassium Iodide
c	s	1	g	10 g	Zinc Sulfate
c	s	1	g	25 g	Zinc Sulfide
c	s	1	p	4 oz.	Mercuric Chloride
c	s	1	p	10 g	Meta Sodium Bisulfite
c	s	1	p	1 lb	Sulfamic Acid
c	s	1	g	10 g	Sodium Tetra Borate
c	s	1	p	10 g	Magnesium Chloride
c	s	1	p	10 g	Nickel Sulfate
c	s	1	g	25 g	Sodium Perchlorate
c	s	1	g	50 g	Black K Salt (Midland Analine Division)
c	s	1	g	25 g	Potassium Ferricyanide
c	s	1	g	1/4 lb.	Lithium Chloride
c	s	1	g	100 g	Sodium Azide

0000015

INORGANIC (cont.)

Storage Area	Solid/ Liquid	Quant	Container Type	Volume	Chemical
e	s	1	g	100g	Nitron R Salt
e	l	1	g	250ml	Hydroxylamine Hydrochloride
e	s	2	g	1/4 lb/s	Magnesium Chloride
e	s	2	g	1 lb/s	Magnesium Chloride
e	l	4	p	1 pt.	Ceric Ammonium Sulfate (0.04N)
e	s	1	g	1 pt.	Titanium Trichloride

/38-200(3-72)

ORGANIC

Storage Area	Solid/Liquid	Container Qnt	Container Type	Container Volume	Chemical
c	s	1	g	10 g	Phenol Red
c	s	1	g	½ lb.	TTA
c	s	1	g	1 lb	Hydroquinone
c	s	1	g	100 g	2,5-Diphenyl Oxazole
s	s	1	g	25 g	1,5-Diphenyl Carbohydrazide
s	l	1	g	10 g	Cadoxen (Fluka)
s	s	1	g	5 g	Glyoxal-Bis(2-hydroxanil)
s	l	1	g	15 ml	Benzalkonium Chloride (Zephiran) 12.8% (Roxall Phase
s	l	1	g	100 g	Dodecyl Alcohol
s	s	1	g	100 g	4,5-Dihydroxy-3-(p-sulfophenylazo)-2,7-naphthalenedisulfonic Acid Trisodium Salt
s	s	1	g	5 g	Bis (1-phenyl-1,3-butanedione) Copper
s	s	2	g	5 g	N-Phenylbenzohydroxamic Acid
s	l	4	g	4 cc/c	1,10-Phenanthroline Ferrous Sulfate Solution (Fe
s	s	1	g	5 g	Aluminum (2-ethylhexanoate)
s	s	1	g	100 g	1-Nitroso-2-naphthol
s	s	1	g	10 g	6-Methyl-2,4-heptanedione
s	l	1	g	1 lb	Ammonium Sulfide
s	l	1	g	1 lb	Aerosol OT Solution, 75% (Vanderbilt & Co.)
s	s	1	g	5 g	Nickel Cyclohexane Butyrate
s	s	1	g	10 lb	Trilauryl Tertiary Amine (Alamine 304)
s	l	1	g	250 ml	2-Ethylhexylamine
s	s	1	g	500 g	o-Aminophenol
c	l	1	g	1 kg	Di-4-Butyl Phenolate
s	s	1	g	5 g	Aluminum Cyclohexane butyrate
s	s	1	g	5 g	Tris (1-phenyl-1,3-butanedione) iron
c	s	1	g	3 g	Bathophenanthroline, Sulfonated, Sodium Salt
c	s	2	g	1 g/c	Thymol Blue Indicator
c	s	1	g	10 g	Hematoxylin
c	s	1	g	5 g	α-naphthylamine
c	s	4	g	10 g/c	Bromothymol Blue
c	s	2	g	10 g/c	Methyl Violet 2B
c	s	1	g	10 g	Diphenylthiocarbazone
c	s	1	g	25 g	3,4-Dimethylphenol
c	s	1	g	10 g	Congo Red
c	l	1	g	[illegible]	[illegible]

0000020

Organics, cont.

Storage Area	Solid/Liquid	Qual	Container Type	Volume	Chemical
c	s	1	g	25 g	1-Naphthoxy-3-Naphthol-3,6-Disulfonic Acid Disodium Salt
c	s	1	g	25 g	1-Naphthylcarbodiethoxy Acid, Ammonium Salt
c	s	1	g	5 g	POPOP 1,4-bis[2-(5-phenyloxazolyl)]-Benzene
c	s	1	g	25 g	Pop Mix "D" ~ 3% POPOP, 97% PPO (scintillation grade)
c	s	1	g	10 g	Methyl Red
c	s	1	g	100 g	Triethylphosphine Oxide
c	s	1	g	10 g	Orange
c	s	1	g	100 g	Sulfosalicylic Acid
c	s	1	g	4 oz	Potassium Biphthalate
c	s	1	g	25 g	EDTA (1,2-Cyclohexylene-Dinitrilo)-Tetraacetic Acid
c	s	1	g	10 g	Potassium Fluoride
c	s	1	g	2000 g	Amoxac-F (Bentonite Industrial Products)
c	l	1	g	1 pt	"Aerosol" OT Grade, 75% (American Cyanamid Co.)
c	s	1	g	1 oz	Methyl Red
c	s	1	g	1 lb	Amino Strong Resin (Chloride Form)
c	s	1	g	10 g/l	Dithizone
c	s	1	g	500 g	Bromcresol Purple "A"
c	l	1	g	1 pt/l	Electrical Conducting Solution (p-dimethylaminobenzaldehyde)
c	s	1	g	1 lb	Silica Powder
c	l	1	g	250 ml	Collodion in Ethyl Ether
c	l	1	g	1 qt/l	Formaldehyde
c	l	1	g	1 pt	Benzene
c	l	1	g	1 gal	Special Thinner #93 (Alcohol Denatured)
c	l	1	g	1 gal	Cyclohexane
c	l	1	g	1 gal	N-Butyl Acetate
c	l	1	g	1 gal	Ketone
c	l	1	g	250 ml	24.7% Aromatic Solvent
					30.0% M-Cresol
					30.0% O-Chlorobenzene
					12.5% Cresylic Acid
					5.0% Monoethanolamine
					2.8% Igepal CO 210
					(% by volume)
c	l	1	g	1 kg	Butyl Acetate
c	l	1	g	1 pt	Carbon Tetrachloride

0000021

Unlabeled

storage area	Solid / Liquid	Containers Quantity	Type	Volume	Chemical
2	s	1	G	1 lb	?
2	s	1	G	1/4 lb	?
2	s	40	G	150 lb	(Organic gelatin & Agar)
2	l	1	G	1 gal	(Ammonium Hydroxide)
2	l	1	G	1 gal	?
2	l	1	G	1 qt	(organic)

Internal Letter

Rockwell International

Date: February 8, 1978

No: 12530-78-015

TO: (Name, Organization, Internal Address)
M. E. Clark

FROM: (Name, Organization, Internal Address, Phone)
D. R. Bratzel
2-2626

Subject: Disposal of Hazardous Chemicals

Enclosed is a list of chemicals within Purex Laboratory which are no longer useful and must be disposed of to facilitate the upgrading and restocking of the laboratory in preparation for the future start-up of Purex operations.

I have completed packing the listed chemicals with absorbent material (i.e., zonolite within 55-gallon drums). The chemicals have been packed and labeled within their respective classes:

Class	Quantity (55-Gallon Drum)
Inorganic Oxidizers	1
Inorganic (Liquid and Solid)	1
Organic (Liquid and Solid)	2

The permit for the disposal of nonradioactive hazardous material is enclosed for final approval and transportation arrangements for burial within the chemical trench - central landfill. The approved permit should be signed by the operator disposing of the material and returned to the originators (R. L. Dirkes/K. Kover).

D. R. Bratzel
Purex Analytical Laboratory

DRB:eyw

Enclosure

cc: wo/enc.
E. S. Baker
B. H. Nicholson
F. J. Sobeck

0000023

DISPOSAL PACKET NUMBER

78-006

9 1 1 2 0 1 0 9

GPO 1977 709-434 (13-10)

DON'T SAY IT --- *Write It!*

DATE 2-24-78

TO Steve King

FROM Kanala Kawai 2-2662

Please have ammonia packaged in metal container with vermiculite. Attached is space disposal permit.

Arrangements for transportation of packaged ammonia should be made through Mr. Clark (2-6748). First, please send the appropriate money with the shipment to be expended by the operator depending on the method and contents of the shipment.

If you have any questions, let me know.

Thank you

"TO MAKE LIFE LAST, PUT SAFETY FIRST"

2-28-78

Dutch
will you see
that we do this?
M Clark

POOR COPY RECEIVED

0000025

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Steve King TELEPHONE 2-6518 5-6251

BUILDING/AREA 337 Bldg 351 area

II. IDENTIFICATION OF MATERIAL

TRADE NAME Ammonia

CHEMICAL NAME

STORAGE LOCATION

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES____ NO____

III. PACKAGING

LIQUID X SOLID____ GAS____

NUMBER OF CONTAINERS 4 WEIGHT____ EA. VOLUME 1gal EA.

TYPE OF CONTAINER Plastic AGE OF CONTAINER____

IV. REASON FOR DISPOSAL

No longer needed

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

Place the ammonia in a metal container and fill with vermiculite

APPROVED FOR DISPOSAL
BY K Kerns
DATE 2-24-95

DISPOSAL LOCATION____
BY____
DATE____

0000026

DISPOSAL PACKET NUMBER

78-007

Internal Letter

Rockwell International

Date .February 10, 1978

No: .

TO: (Name, Organization, Internal Address)
.C. Kovar
.222-T Bldg., 200 West Area
.Environmental Protection

FROM: (Name, Organization, Internal Address, Phone)
.S. I. Anderson
.Technical Coordinator, Research
.2704-S Bldg., 200 West Area
.942-2770

Subject: .Chemical Disposal for Chemical Sciences Group Laboratories, 222-S Building

Attached is a listing of additional chemicals to be disposed of in the 222-S Building, Chemical Sciences Group Laboratories.

Please contact me on the day in which disposal service will be provided and I will escort the appropriate personnel through the 222-S Laboratory Building.

S. I. Anderson
Technical Coordinator, Research Department

SIA/mt

Attachment

cc:
D. A. Dodd
F. M. Jungfleisch
M. J. Kupfer
W. W. Schulz
M. J. Smith
K. M. Stelting

RECEIVED
FEB 14 1978
ENVIRONMENTAL PROTECTION SECTION

0000006

CHEMICAL	TYPE	VOLUME
Room 1-C, 222-S Building		
Cyclohexanol	Organic, Liquid	3 Liters
Aliquat-336	Organic, Liquid	1 Liter
n-octyl nitrate	Organic, Liquid	50 ml
Tri-n-octylphosphine oxide	Organic, Liquid	500 ml
Formic Acid	Organic, Liquid	25 ml
Di-isopropyl Carbinol	Organic, Liquid	100 ml
n-Octyl Alcohol	Organic, Liquid	100 ml
Tridecane	Organic, Liquid	50 ml
Tributyl Phosphate	Organic, Liquid	2 Liters
Butyronitrate	Organic, Liquid	2 Liters
Indene	Organic, Liquid	400 ml
Polycomplex A-11	Organic, Liquid	2 Liters
n-Dodecane	Organic, Liquid	58 ml
DBDECMP	Organic, Liquid	250 ml
Dibutyl hydrogen phosphate	Organic, Liquid	50 ml
DEDECMP	Organic, Liquid	100 ml
DIDECMP	Organic, Liquid	100 ml
HDEPH	Organic, Liquid	200 ml
Amberlite LA-Z	Organic, Liquid	500 ml
1,2,3 -TCB	Organic, Liquid	1 Liter
DBBP	Organic, Liquid	1 Gallon
TCB	Organic, Liquid	1 Gallon
Dowtherm-A	Organic, Liquid	1 Liter
TCE	Organic, Liquid	1 Liter
TBP	Organic, Liquid	1 Gallon
DBMP	Organic, Liquid	1 Liter
Numerous small bottles and vials - organic solvents	Organic, Liquid	10 Liters (Combined volume)

CHEMICAL	TYPE	VOLUME
Room 1-L, 222-S Building		
Versenol	Organic, Liquid	1 Liter
Room 1-E		
Cyclohexanone	Organic, Liquid	1 Liter
Diethylbenzene	Organic, Liquid	1 Liter
DBDECMP	Organic, Liquid	2 Liters
Room 4-Q		
TNDA	Organic, Liquid	1.5 Liters
Tri-n-octylamine	Organic, Liquid	1 Liter
Ethylene Glycol	Organic, Liquid	1 Liter
DBBP	Organic, Liquid	2 Liters
Diisobutyl Carbinol	Organic, Liquid	1.5 Liters
0.1 M EDTA	Organic, Liquid	1 Liter

2-

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME S. L. Anderson TELEPHONE 942-2779

BUILDING/AREA 2904-S

II. IDENTIFICATION OF MATERIAL

TRADE NAME (See attached sheet)

CHEMICAL NAME

STORAGE LOCATION

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO ✓

III. PACKAGING (See attached sheet)

LIQUID ____ SOLID ____ GAS ____

NUMBER OF CONTAINERS ____ WEIGHT ____ EA. VOLUME ____ EA.

TYPE OF CONTAINER ____ AGE OF CONTAINER ____

IV. REASON FOR DISPOSAL

No longer needed

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

APPROVED FOR DISPOSAL
BY K. Kaus
DATE 2-16-88

DISPOSAL LOCATION
BY
DATE

0000009

CHEMICAL	TYPE	VOLUME

Chemical Storage Room - 4-R, 222-S Building

One hand cart, both shelves with numerous bottles of solid and liquid chemicals; most are organic.

Upstairs Storage Area: 222-S Laboratory Building

Aluminum Nitrate	Inorganic, Solid	55 Gallon Drum
DTPA	Organic, Solid	55 Gallon Drum
Sodium Nitrate	Inorganic, Solid	100 lb. Bag
Sairset Bonding Mortar	Solid	100 lb. Drum
Manganese Nitrate	Inorganic, Liquid	5 Gallon Drum
Sodium Silicate	Inorganic, Liquid	5 Gallon Drum
Ferric Nitrate	Inorganic, Solid	100 lb. Barrel
DTPA	Organic, Liquid	2 6-Liter Containers 2 3-Liter Containers
Unknown Solution	Liquid	2-Liter Container (1/2 Full)
85% Phosphoric Acid (Located in rear of Glass Shop)	Inorganic, Liquid	5 30-Gallon Drums

Room 1GA, 222-S Laboratory Building (Top shelf next to Hood #1, Room 1GA)

HEDTA	Organic, Liquid	4 Liters
100% TBA	Organic, Liquid	3 Liters
NPH	Organic, Liquid	2 Liters
15% Aliquot 336/Xylene	Organic, Liquid	1 Liter
5% Aliquot 336/Chloroform	Organic, Liquid	500 ml
30% Aliquot 336/Xylene	Organic, Liquid	1 Liter
DI (Secondary-Butyl) Phenol Phosphonate	Organic, Liquid	1 Liter
5% TOPO/Cyclohexane	Organic, Liquid	250 ml
1.3 m HDEHP/Cyclohexane	Organic, Liquid	200 ml
30% DI (Secondary Butyl) Phenol Phosphonate/Xylene	Organic, Liquid	200 ml
100% Di Butyl-N, N-Diethylcarbamoyl-Phosphonate	Organic, Liquid	150 ml
CCl_4	Organic, Liquid	100 ml

CHEMICAL	TYPE	VOLUME
Chloroform	Organic, Liquid	400 ml
5% TOPO/Cyclohexane	Organic, Liquid	250 ml
D_2 EHPA	Organic, Liquid	130 ml
Hexone	Organic, Liquid	150 ml
.1m TOPO/Cyclohexane	Organic, Liquid	400 ml
15% Aliquot 336/Xylene	Organic, Liquid	400 ml
30% Aliquot 336/Xylene	Organic, Liquid	200 ml
Soap in Isopropanol [illegible]	Organic, Liquid	500 ml
Cyclohexane	Organic, Liquid	500 ml
Hexone [illegible]	Organic, Liquid	500 ml
Nitroethane (2 bottles) [illegible]	Organic, Liquid	350 ml total
Chevron Dispersant NI-W	Organic, Liquid	300 ml
.05 M Br-PADAP/Hexanol [illegible]	Organic, Liquid	100 ml
.05 M Br-PADAP/Cyclohexane	Organic, Liquid	100 ml
HOPPE's #9 Solvent (Under Sink, Room 1GA)	Organic, Liquid	3 Liters

POOR COPY RECEIVED

Feb 10, 1978

To: SI Anderson

From: Karola Kowal
3-2662

I have learned that service maintance people are the ones to provide the chemicals you are disposing of.

I recommend the following action:

Aluminum Nitrate	Liquid (I)	55 gal drum
DTPA	Liquid (O)	55 gal drum

The rest of the 55 gal drums should be used and completely may now be disposed of in the custom

Aluminum Nitrate	Liquid (I)	100% HNO_3
Acid solution to the wind		10% drum
Zinc Nitrate	Liquid (I)	100% Final

If possible these should be put into 55 gal drums filled with vermiculite to eliminate any wind spread.

The following can be put together in 55 gal drums with appropriate vermiculite around each container, so they do not come in contact with any other containers in the drum. If they do not fit in one drum use as many as needed but do not put with any other chemicals than the following list.

15% Alquest 336/Xylene	Liquid (O)	1 liter
30% Alquest 336/Xylene	Liquid (O)	1 liter
DT (Dinonyl Dithio) Phenol Phosphonate	Liquid (O)	1 liter
5% [illegible]	Liquid (O)	
[illegible]	Liquid (O)	[illegible]

0000012

POOR COPY RECEIVED

30% DI (Secondary Butyl) Phenol Phosphonate/Xylene	Liquid (O)	200 ml
100% Di Butyl-N, N-Diethylcarbamoyl Phosphonate	Liquid (O)	150 ml
5% TBP/Cyclohexane	Liquid (O)	250 ml
1M TBP/Cyclohexane	Liquid (O)	400 ml
1M [illegible] + Xylene	Liquid (O)	400 ml
30% [illegible] + Xylene	Liquid (O)	250 ml
Dup in [illegible]	Liquid (O)	50 ml
[illegible]	Liquid (O)	500 ml
~~[illegible]~~	~~Liquid (O)~~	~~[illegible]~~
1M DR-PADAP/Xylene	Liquid (O)	100 ml
0.5M DR-PADAP/Cyclohexane	Liquid (O)	100 ml

The following should be kept separate and put in 55 gal drums with vermiculite.

Magnesium Nitrate	Liquid (I)	5 gal
Sodium Silicate	Liquid (I)	5 gal
Nitrobenzene	Liquid (O)	350 ml
DTPA	Liquid (O)	2-6 liter 2-3 liter
HEDTH	Liquid (O)	7 liters
100% TBP	Liquid (O)	3 liters
NPH	Liquid (O)	2 liters
1.5 EDTA	Liquid (O)	1500 ml

0000013

POOR COPY RECEIVED

The unknown solution Liquid 2-liter can be put in a 5 gal container full of vermiculite.

In a 5 gal container with vermiculite put the following:

Hexane	Liquid (o)	150 ml
Toluene	Liquid (o)	50 ml
CCl4	Liquid (o)	100 ml

In 5 gal container with vermiculite put the following:

5% Bleach 50% Chloroform	Liquid (o)	500 ml
Chloroform	Liquid (o)	400 ml
Chemex Degreaser N1-W	Liquid (o)	300 ml
HCPPES #9 Solvent	Liquid (o)	5 lit

The 5-30 gal drums of 85% Phosphoric Acid can not be accepted at central landfills. This will have to be taken to United Nuclear facilities for disposal. At present there facility is shut down, they should be operative in about 2 months. He will get in touch with you at that time.

Please forward your other list of chemicals and we will send back the necessary info for disposal.

0000014

POOR COPY RECEIVED

Enclosed is your approved disposal permit. Arrangement for transportation to central landfill should be made with Mr. M.E. Clark (2-6748) of TLMS. Please include the approved permit with the shipment to the Central Landfill to be signed by the operator disposing of the material and returned to me.

If you have further questions please let me know.

Thank you for your cooperation

0000015

K. Kovar

Internal Letter

Rockwell International

Date March 7, 1978

No.

TO: (Name, Organization, Internal Address)
Chemical Sciences Group Manager,
Unit Managers, Team Leaders

FROM: (Name, Organization, Internal Address, Phone)
S. I. Anderson
Technical Coordinator/Research
2704-S Bldg., 200 West Area
942-2779

Subject: Disposal Procedures for Excess Chemicals in the 222-S Laboratory

I have consulted with Industrial Hygiene and Safety regarding the disposal of excess chemicals in the Chemical Sciences Group Laboratories, 222-S Building.

The Chemical Sciences Group Team Leaders will be responsible to conduct this disposal procedure and to coordinate the packaging such that all chemicals listed on Attachment A-I be kept separate from those chemicals listed on Attachment A-II.

In order to complete this task in a timely manner, I am requesting that these chemicals be ready for disposal on Friday, March 10, 1978. If the above schedules interfere with current commitments, determine a more suitable date agreeable for all concerned and contact me.

The first listing of chemicals (Attachment A-I) is evaluated so that all those chemicals circled in purple must be put into one separate container, packaged with vermiculite so that none of the individual containers touch each other or the waste barrel itself. The chemicals circled in orange must <u>each</u> be put into a separate container packaged with vermiculite for disposal. The other chenicals listed on Attachment A-I may be packaged with care in black 55-gallon waste drums, filled with vermiculite such that the individual containers do not come into contact with each other or with the waste barrel.

The second list of chemicals (Attachment A-II) is self-explanatory for packaging of those chemicals listed.

Before packaging, line each waste barrel with plastic. Upon packaging, each waste barrel must be labeled "Hazardous Chemicals".

I have separate authorized disposal requests; one for those chemicals listed in Attachment A-I and another for those chemicals listed in Attachment A-II. Please contact me when each group is ready for disposal.

S. I. Anderson

S. I. Anderson
Technical Coordinator/Research Department

SIA/mt

Attachments (2)

cc:
S. K. Fritts
C. H. Hunter
K. Kovar

RECEIVED
MAR 10 1978
ENVIRONMENTAL PROTECTION SECTION

0000027

Form 131-R Rev 3-76

ATTACHMENT A-I

CHEMICAL	TYPE	VOLUME
Room 1-C, 222-S Building		
Cyclohexanol	Organic, Liquid	3 Liters
Aliquat-336	Organic, Liquid	1 Liter
n-octyl nitrate	Organic, Liquid	50 ml
Tri-n-octylphosphine oxide	Organic, Liquid	500 ml
Formic Acid	Organic, Liquid	25 ml
Di-isopropyl Carbinol	Organic, Liquid	100 ml
n-Octyl Alcohol	Organic, Liquid	100 ml
Tridecane	Organic, Liquid	50 ml
Tributyl Phosphate	Organic, Liquid	2 Liters
Butyronitrate	Organic, Liquid	2 Liters
Indene	Organic, Liquid	400 ml
Polycomplex A-11	Organic, Liquid	2 Liters
n-Dodecane	Organic, Liquid	58 ml
DBDECMP	Organic, Liquid	250 ml
Dibutyl hydrogen phosphate	Organic, Liquid	50 ml
DEDECMP	Organic, Liquid	100 ml
DIDFCMP	Organic, Liquid	100 ml
HDEPH	Organic, Liquid	200 ml
Amberlite LA-Z	Organic, Liquid	500 ml
1,2,3 -TCB	Organic, Liquid	1 Liter
DBBP	Organic, Liquid	1 Gallon
TCB	Organic, Liquid	1 Gallon
Dowtherm-A	Organic, Liquid	1 Liter
TCE	Organic, Liquid	1 Liter
TBP	Organic, Liquid	1 Gallon
DBMP	Organic, Liquid	1 Liter

ATTACHMENT A-I (Continued)

CHEMICAL	TYPE	VOLUME
Room 1-L, 222-S Building		
Versenol	Organic, Liquid	1 Liter
Room 1-E		
Cyclohexanone	Organic, Liquid	1 Liter
Diethylbenzene	Organic, Liquid	1 Liter
DBDECMP	Organic, Liquid	2 Liters
Room 4-Q		
TNDA	Organic, Liquid	1.5 Liters
Tri-n-octylamine	Organic, Liquid	1 Liter
Ethylene Glycol	Organic, Liquid	1 Liter
DBBP	Organic, Liquid	2 Liters
Diisobutyl Carbinol	Organic, Liquid	1.5 Liters
0.1 M EDTA	Organic, Liquid	1 Liter

ATTACHMENT A-I
(Continued)

CHEMICAL	VOLUME
4Q Refrigerator	
Trifluoracetic Anhydride	1 pint
2-Ethoxyethyl Ether, 97%	~1 liter
Formic Acid	1 pint
Semi Carbazide Base (salt)	
Carbon Disulfide	2 pints
Dimethyl Sulfate	1 pint
Di Isopropyl Benzene	3/4 gallon
Titanous Sulphate - 20% solution	~200 ml
Tetrapropylammonium Hydroxide (10% H_2O)	100 ml
Hydrobromic Acid	1 pint
Ethyl Acetoacetate	1 pint
Ethylenediamine Anhydrous	500 ml
0.5 M TTA in Xylene	100 ml
Formaldehyde Solution	2 pints
Sodium Hypochlorite	1 pint
Hypophosphorous Acid	200 ml
SC-77-Dri film	500 ml
Acetyl-Chloride	1 pint
Ammonium Sulfide	1 pint
Methyl Methacricle	250 ml
Com-T Dressing	200 ml
Alcoholic KOH	500 ml
Hydriodic Acid	500 ml
Karl Fischer Reagent	1 pint
Tetrahydrofuran - Stabilized with 0.025% BHT	250 ml

ATTACHMENT A-I
(Continued)

CHEMICAL	VOLUME
40 Refrigerator	
Hydrogen Peroxide	1 pint
2-Methoxyethanol	100 ml
Styrene	200 ml
Selenic Acid	100 ml
Tetra-n-hexylammonium Iodide	1 pint
1-methylheptylamine	50 ml
30% L9-2 in TCB	1 pint
2-Methoxyethonal	200 ml
Ethoxyethanol	100 ml
Triethylene glycol dimethyl ether	50 ml
3 M Ferrous Sulfamate	100 ml
Unknown Flammable Solution	4 liters

ATTACHMENT A-I
(Continued)

CHEMICALS	VOLUME
Cabinet in 4Q	
Paraffin Oil	500 ml
Iso-Propyl Alcohol	1 gallon
Ready Solution VI - (BBS-3, 8 g/l Butyl PBD, 0.5 g/l PBBO + Toluene	1 gallon
Dibutyl Phosphate	1 gallon
Aqua fluor	1 gallon
2-Propanol	2 gallon
Ethyl Propionate	1 gallon
2-Methoxyethanol	1 gallon
Hexone	1 gallon
2-Ethoxyethanol, 99%	1500 ml
Shell Ondina Oil 17	1/2 gallon
Dimethyl Formamide Merck	1 pint
Formamide	1 pint
Iso Octane	75 ml
Formaldehyde	3 pints
Octyl Alcohol	3 pints
Petroleum Ether	1 pint
Butyl Acetate	3 pints
Adogen 368	1 pint
Phenylhydrazine	1 pint
Toluene	1 pint
Petroleum Ether	1 pint
3-Methylpentane	300 ml
Nitromethane	1 pint
Can-o-Gas "Freon"	

ATTACHMENT A-I
(Continued)

CHEMICALS	VOLUME
Cabinet in 4Q	
Amberlite LA-1	1 gallon + 1 gallon
1,2,3,4 Tetrahydronaphalene	1 gallon
Methylcyclohexane	50 ml
Amyl Acetate	1300 ml
Pentane	50 ml
Fluoboric Acid	1 pint
Freon-113	1 gallon + 500 ml
TBP	500 ml
Bis 2 Ethylhexyl Hydrogen Phosphate	100 ml
Nerol	400 ml
Trifluoro 7 Methyl	50 ml
Tetramethyl - Heptanedione	50 ml
n-Nonane, 99.5%	50 ml
Tridocane, 99.8%	50 ml
Gamma PiColine	1100 ml
Geraniol	500 ml
2,2 Dimethoxy Propane, 98%	1 pint
Hexanol	1 pint
Piperidine	1 pint
Decyl Alcohol	500 ml
Diethyl Sulfate	1 liter
Distilled Pyradine	250 ml
Tricaprylmethyl Ammonium Chloride	500 ml + 3 1/2 liters
Na DtPa	1 liter
Lactic Acid	1 pint

ATTACHMENT A-I
(Continued)

CHEMICALS	VOLUME
Cabinet in 4Q	
Dimethylsulfoxide	1 pint
Pyridine	4 1/2 pints
iso-Amyl Alcohol	1 1/2 gallons
Dichloromethane	200 ml
Triethylene Glycol Dimethyl Ether, 99%	1 liter
2-(2 Methoxyethoxy) - Ethanol	1 liter
1,4 Dioxan	300 ml
Dicyclohexylamine	1 pint
Formic Acid	2 pints
Butyl Alcohol	700 ml
Glycerine	1 pint
Cyclohexylamine	1 pint
Acetic Anhydride	1 pint
Benzene	7 pints
Mono-Bromobenzene	1 pint
Methyl Alcohol	10 pints
1AX	1/2 gallon
2-Ethylhexyl Phenyl-Phosphoric Acid	2 liters
Chevron Paraffin	1/2 gallon
O-Cedar Furniture Polish	1 gallon
Paraffin Oil	2 quarts
Dimethylaminobenzaldehyde	1 liter
Lube Oil	100 ml
Fluorolube	100 ml
Solvent Spray Cleaner	

ATTACHMENT A-I
(Continued)

CHEMICALS	VOLUME
Cabinet in 4Q	
Penetrating Oil	
Bio-Rad HZO-1 Ion Exchange Crystals	
1,1,1-Trichloroethane	3/4 gallon
Soltrol	
Room 4K	
Mixed Organic Solvent Waste	3 gallons

ATTACHMENT A-I
(Continued)

CHEMICAL	VOLUME
4R Stored on sample cart	All quantities of the following chemicals range from 1 to 2 pints.
Diethyl Oxalate	
Propylene Carbonate	
1-Tetradecene	
Dichloromethane	
Hexadecyltrimethylammonium Hydroxide	
2-Ethyl-1-Hexanol	
Ethyl Malonate	
Phenoldisulfonic Acid	
N,N-Dimethylbenzylamine	
Quinoline	
s-Tetrachloroethane	
Diethyl Oxalate	
Dibutyl Hydrogen Phosphate	
Tetradecane	
Nitrobenzene	
n-Butyl Sulfone	
Glycerine	
2-Ethylhexanol	
Triacetin	
Octane	
Permacol	
Phenylhydrazine	
Tetrabromo Ethane	
Decane	

ATTACHMENT A-I
(Continued)

CHEMICAL	VOLUME
4R Stored on sample cart	All quantities of the following chemicals range from 1 to 2 pints.
n-Butylsulfoxide	
Oil Turkey Red	
Gluconic Acid	
Thionyl Chloride	
Tetraethylammonium Hydroxide	
Isophorone	
Dodecane	
Pivelic Acid	
Tri Iso Octyl Amine	
Triethyl Thiono Phosphate	
Methyl Tricaprylyl Ammonium Chloride	
Benzyl Ethyl Ether	
n-Amyl Sulfone	
Trans-2-Octene	
Tricresyl Phosphate	
Tri-n-Decylamine	
Methyl Iso Propyl Di Ketone	
Trioctylamine	
Mercaptoacetic Acid	
Dibenzylamine	
Trifluoroacetic Anhydride	
Perfluorobutyric Acid	
Dimethylsulfoxide	
Dodecyl Alcohol	

ATTACHMENT A-I
(Continued)

CHEMICAL	VOLUME
4R Stored on sample cart	All quantities of the following chemicals range from 1 to 2 pints.
Decane	
Thioglycolic Acid	
Piperdine	
Isotane	
Benzylamine	
o-Ethyltoluene	

ATTACHMENT A-II

The following recommendations have been made concerning disposal of the chemicals listed on Attachment A-I for the Chemical Sciences Group, 222-S Laboratories:

Aluminum Nitrate	Solid (I)	55 gallon drum
DIPA	Solid (0)	55 gallon drum

The integrity of both 55 gallon drums should be checked and if satisfactory, they can be disposed of in these containers.

Sodium Nitrate	Solid (I)	100 lb. bag
Sairset Bonding Mortar	Solid	100 lb. drum
Ferric Nitrate	Solid (I)	100 lb. barrel

If possible these should be put in a 55 gallon drum filled with vermiculite to eliminate any void spaces.

The following can be put together in 55 gallon drums with sufficient vermiculite around each container, so they do not come in contact with any other containers or the drum. If they do not fit in one drum use as many as needed by do not put with any other chemicals than the following list:

15% Aliquot 336/Xylene	Liquid (0)	1 liter
30% Aliquot 336/Xylene	Liquid (0)	1 liter
DI (Secondary Butyl) Phenol Phosphonate	Liquid (0)	1 liter
5% (TOPO Cyclohexane)	Liquid (0)	250 ml
1.3 HDEHP/Cyclohexane	Liquid (0)	200 ml
30% DI (Secondary Butyl) Phenol Phosphonate/Xylene	Liquid (0)	200 ml
100% Di-Butyl-N, N-Diethyl-carbamoyl Phosphonate	Liquid (0)	150 ml
5% TOPO/Cyclohexane	Liquid (0)	250 ml
.1m TOPO/Cyclohexane	Liquid (0)	400 ml
15% Aliquot 336/Xylene	Liquid (0)	400 ml
30% Aliquot 336/Xylene	Liquid (0)	200 ml
Soap in Isopropanol	Liquid (0)	500 ml
Cyclohexane	Liquid (0)	500 ml
.05M BR-PADAP/Hexanol	Liquid (0)	100 ml
.05M BR-PADAP/Cyclohexane	Liquid (0)	100 ml

The following should be kept separate and put in 55 gallon drums with vermiculite:

Manganese Nitrate	Liquid (I)	5 gallons
Sodium Silicate	Liquid (I)	5 gallons
Nitroethane	Liquid (0)	350 ml
DTPA	Liquid (0)	2-6 liter, 2-3 liter
HEDTA	Liquid (0)	4 liters
100% TBA	Liquid (0)	3 liters
NPH	Liquid (0)	2 liters
D_2 EHPA	Liquid (0)	130 ml

The unknown Solution Liquid 2-liter, can be put in a 5 gallon container full of vermiculite.

In a 5 gallon container with vermiculite, put the following:

Hexone	Liquid (0)	150 ml
Hexone	Liquid (0)	500 ml
CCl_4	Liquid (0)	100 ml

In a 5 gallon container with vermiculite, put the following:

5% Aliquot 336/Chloroform	Liquid (0)	500 ml
Chloroform	Liquid (0)	400 ml
Chevron Dispersent N1-W	Liquid (0)	300 ml
HOPPE'S #9 Solvent	Liquid (0)	3 liters

The 5 30-gallon drums of 85% Phosphoric Acid cannot be accepted at central landfill. This will have to be taken to United Nuclear facilities for disposal.

CHEMICAL	VOLUME
4R Stored on sample cart	All quantities of the following chemicals range from 1 to 2 pints.
Decane R with Ox	
Thioglycolic Acid OK	
Piperdine R with GC	
Isotane	
Benzylamine	
o-Ethyltoluene	

CHEMICALS	VOLUME
Cabinet in 4Q	
? Amberlite LA-1	1 gallon + 1 gallon
1,2,3,4 Tetrahydronaphalene R with OK	1 gallon
Methylcyclohexane R with OK	50 ml
Amyl Acetate R with OK	1300 ml
Pentane	50 ml
Fluoboric Acid	1 pint
Freon-113	1 gallon + 500 ml
TBP	500 ml
? Bis 2 Ethylhexyl Hydrogen Phosphate	100 ml
Nerol	400 ml
Trifluoro 7 Methyl	50 ml
? Tetramethyl - Heptanedione	50 ml
n-Nonane, 99.5%	50 ml
? Tridocane, 99.8%	50 ml
? Gamma PiColine	1100 ml
Geraniol OK	500 ml
2,2 Dimethoxy Propane, 98%	1 pint
Hexanol	1 pint
Piperidine R with OK	1 pint
Decyl Alcohol R with OK	500 ml
Diethyl Sulfate R with OK	1 liter
? Distilled Pyradine	250 ml
? Tricaprylmethyl Ammonium Chloride toxic	500 ml + 3 1/2 liters
? Na DtPa	1 liter
Lactic Acid OK	1 pint

0000060

CHEMICALS	VOLUME
Cabinet in 4Q	
Dimethylsulfoxide R with Ox	1 pint
Pyridine R with Ox	4 1/2 pints
iso-Amyl Alcohol R with Ox	1 1/2 gallons
Dichloromethane toxic	200 ml
? Triethylene Glycol Dimethyl Ether, 99%	1 liter
2-(2 Methoxyethoxy) - Ethanol R with Ox	1 liter
1,4 Dioxan [illegible]	300 ml
Dicyclohexylamine R [illegible]	1 pint
Formic Acid [illegible]	2 pints
Butyl Alcohol [illegible]	700 ml
Glycerine [illegible]	1 pint.
Cyclohexylamine R [illegible]	1 pint
Acetic Anhydride [illegible]	1 pint
Benzene [illegible]	7 pints
Mono-Bromobenzene [illegible]	1 pint
Methyl Alcohol R [illegible]	10 pints
? IAX	1/2 gallon
2-Ethylhexyl Phenyl-Phosphoric Acid toxic	2 liters
Chevron Paraffin R [illegible]	1/2 gallon
O-Cedar Furniture Polish [illegible]	1 gallon
Paraffin Oil [illegible]	2 quarts
Dimethylaminobenzaldehyde [illegible]	1 liter
Lube Oil [illegible]	100 ml
Fluorolube [illegible]	100 ml
Solvent Spray Cleaner	

CHEMICALS	VOLUME
Cabinet in 4Q	
Penetrating Oil OK	
Bio-Rad HZO-1 Ion Exchange Crystals OK	
1,1,1-Trichloroethane toxic	3/4 gallon
Soltrol OK	
Room 4K	
Mixed Organic Solvent Waste OK	3 gallons

CHEMICAL	VOLUME
4R Stored on sample cart	All quantities of the following chemicals range from 1 to 2 pints.
? Diethyl Oxalate	
Propylene Carbonate R with EX	
1-Tetradecene R with EX	
Dichloromethane toxic	
Hexadecyltrimethylammonium Hydroxide R with OX	
2-Ethyl-1-Hexanol R [illegible]	
Ethyl Malonate [illegible]	
? Phenoldisulfonic Acid [illegible]	
N,N-Dimethylbenzylamine [illegible]	
Quinoline [illegible]	
s-Tetrachloroethane [illegible]	
Diethyl Oxalate [illegible]	
? Dibutyl Hydrogen Phosphate	
Tetradecane R [illegible]	
Nitrobenzene [illegible]	
? n-Butyl Sulfone	
Glycerine R [illegible]	
2-Ethylhexanol R [illegible]	
Triacetin [illegible]	
Octane R with OX	
? Permacol	
Phenylhydrazine R [illegible] OX	
Tetrabromo Ethane toxic	
Decane R with EX	

CHEMICAL	VOLUME
4R Stored on sample cart	All quantities of the following chemicals range from 1 to 2 pints.
? n-Butylsulfoxide	
Oil Turkey Red OK	
? Gluconic Acid	
Thionyl Chloride	
Tetraethylammonium Hydroxide	
Isophorone	
Dodecane	
? Pivelic Acid	
Tri Iso Octyl Amine	
? Triethyl Thiono Phosphate	
Methyl Tricaprylyl Ammonium Chloride	
Benzyl Ethyl Ether	
? n-Amyl Sulfone	
Trans-2-Octene	
Tricresyl Phosphate	
Tri-n-Decylamine	
? Methyl Iso Propyl Di Ketone	
? Trioctylamine	
Mercaptoacetic Acid	
Dibenzylamine	
Trifluoroacetic Anhydride	
? Perfluorobutyric Acid	
Dimethylsulfoxide with OK	
Dodecyl Alcohol OK	

CHEMICAL	VOLUME
40 Refrigerator	
Trifluoracetic Anhydride	1 pint
2-Ethoxyethyl Ether, 97%	1 liter
Formic Acid	1 pint
Semi Carbazide Base (salt)	
Carbon Disulfide	2 pints
Dimethyl Sulfate	1 pint
Di Isopropyl Benzene	3/4 gallon
Titanous Sulphate - 20% solution	200 ml
Tetrapropylammonium Hydroxide (10% H_2O)	100 ml
Hydrobromic Acid	1 pint
Ethyl Acetoacetate	1 pint
Ethylenediamine Anhydrous	500 ml
0.5 M TTA in Xylene	100 ml
Formaldehyde Solution	2 pints
Sodium Hypochlorite	1 pint
Hypophosphorous Acid	200 ml
SC-77-Dri film	500 ml
Acetyl-Chloride	1 pint
Ammonium Sulfide	1 pint
Methyl Methacricle	250 ml
Com-T Dressing	200 ml
Alcoholic KOH	500 ml
Hydriodic Acid	500 ml
Karl Fischer Reagent	1 pint
Tetrahydrofuran - Stabilized with 0.025% BHT	250 ml

CHEMICALS	VOLUME
Cabinet in 4Q	
Paraffin Oil OK	500 ml
Iso-Propyl Alcohol R with Oxidizer	1 gallon
Ready Solution VI - (BBS-3, 8 g/l Butyl PBD, 0.5 g/l PBBO + Toluene	1 gallon
Dibutyl Phosphate OK	1 gallon
? Aqua fluor	1 gallon
? 2-Propanol	2 gallon
Ethyl Propionate R [illegible]	1 gallon
2-Methoxyethanol R with [illegible]	1 gallon
Hexone [illegible]	1 gallon
2-Ethoxyethanol, 99% R with [illegible]	1500 ml
? Shell Ondina Oil 17	1/2 gallon
Dimethyl Formamide Merck with [illegible]	1 pint
Formamide OK	1 pint
Iso Octane [illegible]	75 ml
Formaldehyde	3 pints
Octyl Alcohol [illegible]	3 pints
Petroleum Ether OK	1 pint
Butyl Acetate R [illegible]	3 pints
? Adogen 368	1 pint
Phenylhydrazine R with [illegible]	1 pint
Toluene R with OK	1 pint
Petroleum Ether OK	1 pint
3-Methylpentane R with OK	300 ml
Nitromethane R with OK	1 pint
Can-o-Gas "Freon" [illegible]	

CHEMICAL	VOLUME
40 Refrigerator	
Hydrogen Peroxide Powerful Oxidizer	1 pint
2-Methoxyethanol Rank Oxidizer	100 ml
Styrene Rank Oxidizer	200 ml
Selenic Acid OK	100 ml
? Tetra-n-hexylammonium Iodide	1 pint
? 1-methylheptylamine	50 ml
30% L9-2 in TCB	1 pint
2-Methoxyethonal [illegible]	200 ml
Ethoxyethanol [illegible]	100 ml
Triethylene glycol dimethyl ether [illegible]	50 ml
? 3 M Ferrous Sulfamate	100 ml
Unknown Flammable Solution	4 liters

CHEMICAL	TYPE	VOLUME
Room 1-C, 222-S Building		
Cyclohexanol React with Oxidizers	Organic, Liquid	3 Liters
Aliquat-336	Organic, Liquid	1 Liter
n-octyl nitrate powerful oxidizing agents	Organic, Liquid	50 ml
Tri-n-octylphosphine oxide Reactive Oxidizer	Organic, Liquid	500 ml
Formic Acid "	Organic, Liquid	25 ml
Di-isopropyl Carbinol "	Organic, Liquid	100 ml
n-Octyl Alcohol	Organic, Liquid	100 ml
Tridecane	Organic, Liquid	50 ml
Tributyl Phosphate "	Organic, Liquid	2 Liters
Butyronitrate Oxidizing agent	Organic, Liquid	2 Liters
Indene "	Organic, Liquid	400 ml
Polycomplex A-11	Organic, Liquid	2 Liters
n-Dodecane "	Organic, Liquid	58 ml
DBDECMP	Organic, Liquid	250 ml
Dibutyl hydrogen phosphate "	Organic, Liquid	50 ml
DEDECMP	Organic, Liquid	100 ml
DIDECMP	Organic, Liquid	100 ml
HDEPH	Organic, Liquid	200 ml
Amberlite LA-Z	Organic, Liquid	500 ml
1,2,3 -TCB	Organic, Liquid	1 Liter
DBBP	Organic, Liquid	1 Gallon
TCB	Organic, Liquid	1 Gallon
Dowtherm-A	Organic, Liquid	1 Liter
TCE	Organic, Liquid	1 Liter
TBP	Organic, Liquid	1 Gallon
DBMP	Organic, Liquid	1 Liter
Numerous small bottles and vials - organic solvents	Organic, Liquid	10 Liters (Combined volume)

CHEMICAL	TYPE	VOLUME
Room 1-L, 222-S Building		
Versenol	Organic, Liquid	1 Liter
Room 1-E		
Cyclohexanone *React with Oxidizers*	Organic, Liquid	1 Liter
Diethylbenzene *Can react with Oxidizing mat*	Organic, Liquid	1 Liter
DBDECMP	Organic, Liquid	2 Liters
Room 4-Q		
TNDA	Organic, Liquid	1.5 Liters
Tri-n-octylamine *Can react with Oxidizing mat*	Organic, Liquid	1 Liter
Ethylene Glycol *" " Oxidizing mat*	Organic, Liquid	1 Liter
DBBP	Organic, Liquid	2 Liters
Diisobutyl Carbinol *React with Oxidizing mat.*	Organic, Liquid	1.5 Liters
0.1 M EDTA	Organic, Liquid	1 Liter

DISPOSAL PACKET NUMBER

78-008

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME D.R. HOLMES TELEPHONE 942-0995

BUILDING/AREA 300 TR. A

II. IDENTIFICATION OF MATERIAL

TRADE NAME ASBESTOS

CHEMICAL NAME UNKNOWN

STORAGE LOCATION 300 AREA

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES____ NO X

III. PACKAGING

LIQUID____ SOLID X GAS____

NUMBER OF CONTAINERS 16 WEIGHT UNK. EA. VOLUME 3 CU.FT. EA.

TYPE OF CONTAINER PLASTIC AGE OF CONTAINER____

IV. REASON FOR DISPOSAL

ROUTINE LAGGING WORK

V. DATE DISPOSAL REQUIRED

TUES. 3-28-78

VI. COMMENTS

WILL BE DOUBLE BAGGED & WETTED PRIOR TO DISPOSAL

APPROVED FOR DISPOSAL BY Karl Young

DATE 3-20-78

DISPOSAL LOCATION____

BY C.E. Brown

DATE 3-21-78

000024

DISPOSAL PACKET NUMBER

78-009

9 1 1 2 1 0 7 5 0

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME DR. HOLMES TELEPHONE 942-9995

BUILDING/AREA TR A 300 JAJ

II. IDENTIFICATION OF MATERIAL

TRADE NAME ASBESTOS

CHEMICAL NAME UNK.

STORAGE LOCATION 300 AREA

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X GAS ____

NUMBER OF CONTAINERS 50 WEIGHT UNK. EA. VOLUME 3 CU. FT. EA.

TYPE OF CONTAINER PLASTIC BAG AGE OF CONTAINER 2 days

IV. REASON FOR DISPOSAL

ROUTINE LAGGING WORK

V. DATE DISPOSAL REQUIRED.

MARCH 24, 1978 4:00 P.M.

VI. COMMENTS

WILL BE WETTED & DOUBLE-BAGGED

APPROVED FOR DISPOSAL BY [illegible]

DATE 3-23-78

DISPOSAL LOCATION ____

BY [illegible]

DATE 3-24-78

0000041

DISPOSAL PACKET NUMBER

78-010

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME D. R. HOLMES TELEPHONE 942-3380

BUILDING/AREA 3722 / 300

II. IDENTIFICATION OF MATERIAL

TRADE NAME ASBESTOS

CHEMICAL NAME LINK

STORAGE LOCATION 300 AREA 3722 BLDG.

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X GAS ____

NUMBER OF CONTAINERS (4) WEIGHT LINK EA. VOLUME 4 CU. FT. EA.

TYPE OF CONTAINER PLASTIC BAGS AGE OF CONTAINER ____

IV. REASON FOR DISPOSAL

USED ASBESTOS THAT WAS REMOVED FROM ROUTINE LAGGING WORK

V. DATE DISPOSAL REQUIRED

25 Feb. 78

A.A.H.

VI. COMMENTS

ON WORK ORDER 348636

- Material must be wetted and double-bagged in plastic.

APPROVED FOR DISPOSAL BY [illegible]

DATE [illegible]

DISPOSAL LOCATION ____

BY [illegible]

DATE [illegible]

0000049

DISPOSAL PACKET NUMBER

78-011

✓

Mason
Believe you already have copy of all files.
Jack

GPO: 1977—799-434/33-10

DON'T SAY IT --- *Write It!*

DATE 3-30-78

TO Jack Hagan

FROM Karola Kover

Please contact M. M.E. Clark (2-6748) for transportation of material to Central Landfill. Enclose permit with shipment, have operator sign it and return to me.
Thank you. KAROLA KOVER.

for transp = Dutch Rutherford
2-6654 2-6748

cc: M. E Clark

"TO MAKE LIFE LAST, PUT SAFETY FIRST"

0000046

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME J. HOGAN TELEPHONE 2-2881 EXT 373

BUILDING/AREA 2750 E / 200 EAST

II. IDENTIFICATION OF MATERIAL

TRADE NAME TURCO DESEALIT II

* CHEMICAL NAME Chlorinated Hydrocarbon 75-85% ; Vinegar Acid 9-14% wetting agent 1%; THICKNER 1%

STORAGE LOCATION 275 EA

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID X SOLID ____ GAS ____

NUMBER OF CONTAINERS 1 WEIGHT UNKNOWN EA. VOLUME ____ EA.

TYPE OF CONTAINER 55 GAL DRUM AGE OF CONTAINER UNKNOWN

IV. REASON FOR DISPOSAL

DRUM DEVELOPED A LEAK. 4-5 PALLETS (WOOD) WILL BE DISPOSED along WITH THE CHEMICAL AS THEY are contaminated WITH THE material

V. DATE DISPOSAL REQUIRED

AS SOON AS POSSIBLE

3 pal.

VI. COMMENTS

* MATERIAL DATA SHEET DOESN'T INDICATE WHICH Chlorinated Hydrocarbon it is, but it does say that it contains no Carbon Tetrachloride or ethylenedichloride so I assume it to be methylene Chloride (Most)

APPROVED FOR DISPOSAL BY Lonnie Koven

DATE 3-30-78

DISPOSAL LOCATION ____

BY ____

DATE ____

0000047

DISPOSAL PACKET NUMBER

78-012

3/20/78

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Earl Martin/Tom McLaughlin TELEPHONE 946-2737

BUILDING/AREA OSB/3000

II. IDENTIFICATION OF MATERIAL

TRADE NAME Small volume research chemicals

CHEMICAL NAME See attached list

STORAGE LOCATION 3714

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO XX

III. PACKAGING

LIQUID XX SOLID ____ GAS ____

NUMBER OF CONTAINERS ~50 WEIGHT <2 lbs. EA. VOLUME <1 qt EA.

TYPE OF CONTAINER glass AGE OF CONTAINER >4 yrs.

IV. REASON FOR DISPOSAL

Safety hazard in labs

V. DATE DISPOSAL REQUIRED

3-22-78

VI. COMMENTS

Please Rush.

APPROVED FOR DISPOSAL
BY Karl Kover
DATE 3-23-78

DISPOSAL LOCATION ~~[illegible]~~ Central Landfill
BY [illegible]
DATE 4-6-78

0000042

DISPOSAL PACKET NUMBER

78-013

3123

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Earl Martin/Tom McLaughlin TELEPHONE 946-2737

BUILDING/AREA OSB/3000

II. IDENTIFICATION OF MATERIAL

TRADE NAME Small volume research chemicals

CHEMICAL NAME See attached list

STORAGE LOCATION 3714

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO XX

III. PACKAGING

LIQUID XX SOLID ____ GAS ____

NUMBER OF CONTAINERS ~60 WEIGHT <50 lbs EA. VOLUME <10 gal EA.

TYPE OF CONTAINER glass AGE OF CONTAINER >4 yrs

IV. REASON FOR DISPOSAL

Safety hazard in labs

V. DATE DISPOSAL REQUIRED

3-28-78

VI. COMMENTS

Please Rush.

APPROVED FOR DISPOSAL
BY [illegible]
DATE 3-29-78

DISPOSAL LOCATION Central landfill
BY [illegible]
DATE 4-6-78

0000043

DISPOSAL PACKET NUMBER

78-014

original - Please Return to D. R. Holm.

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Holmes, David R. TELEPHONE 942-0995

BUILDING/AREA 300 - Area - TR - A

II. IDENTIFICATION OF MATERIAL

TRADE NAME Asbestos

CHEMICAL NAME UNK.

STORAGE LOCATION 3746 BLDG. 300 AREA

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO XX

III. PACKAGING

LIQUID ____ SOLID XX GAS ____

NUMBER OF CONTAINERS 100 WEIGHT UNK. EA. VOLUME 3 CU. FT. EA.

TYPE OF CONTAINER Plastic Bags AGE OF CONTAINER 1 week

IV. REASON FOR DISPOSAL

Routine Demolition Work

V. DATE DISPOSAL REQUIRED

April 11, 1978

VI. COMMENTS

Contents or Material is Double Bagged & Wetted prior to Disposal per Instructions from Roger Dirkes

APPROVED FOR DISPOSAL BY Karola Tower

DATE 4-7-78

DISPOSAL LOCATION ____

BY C. F. Brown

DATE 4-11-78

0000048

DISPOSAL PACKET NUMBER

78-015

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME W W BIGLIN TELEPHONE 942-3930

BUILDING/AREA 335 / 300

II. IDENTIFICATION OF MATERIAL

TRADE NAME THERMOSET

CHEMICAL NAME ASBESTOS

STORAGE LOCATION 3718F

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ . SOLID X GAS ____

NUMBER OF CONTAINERS 4 WEIGHT 35 LBS EA. VOLUME ____ EA.

TYPE OF CONTAINER PLASTIC BAG AGE OF CONTAINER N/A

IV. REASON FOR DISPOSAL

MATERIAL HAS NO [illegible]

V. DATE DISPOSAL REQUIRED

A.S.A.P.

VI. COMMENTS

Must be wetted and doubled bagged prior to burial

APPROVED FOR DISPOSAL
BY Kayla Kauer
DATE 4-24-78

DISPOSAL LOCATION ____
BY G Brown
DATE 4-26-78

0000050

DISPOSAL PACKET NUMBER

78-016

9 1 1 2 0 5 6 5

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME D. R. HOLMES TELEPHONE 942-0994

BUILDING/AREA Trailer "B" 300 Area Jones Office Complex

II. IDENTIFICATION OF MATERIAL

TRADE NAME ASBESTOS

CHEMICAL NAME UNKNOWN

STORAGE LOCATION 3705 Bldg. 300 Area

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO XXXX

III. PACKAGING

LIQUID _____ SOLID XXXXXX GAS _____

NUMBER OF CONTAINERS FOURTY WEIGHT UNK. /EA. VOLUME ^{3} Cu.Ft EA.

TYPE OF CONTAINER PLASTIC BAGS AGE OF CONTAINER 2 Days

IV. REASON FOR DISPOSAL

Routine Lagging Operations

V. DATE DISPOSAL REQUIRED

XXXXXXX MAY 2, 1978

VI. COMMENTS

Contents will be double bagged and wetted prior to disposal per instructions of Roger Dirkes nad Environmentaal Protection Regulations.

APPROVED FOR DISPOSAL

BY [illegible]

DATE [illegible]

DISPOSAL LOCATION _____

BY C. R. [illegible]

DATE 5-3-78

0000051

DISPOSAL PACKET NUMBER

78-017

9 1 1 2 1 0 3 6 7

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Bob LANG TELEPHONE 2-1635

BUILDING/AREA 100 N

II. IDENTIFICATION OF MATERIAL

TRADE NAME FIBER GLASS INSULATION & ASBESTOES

CHEMICAL NAME

STORAGE LOCATION 100N

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X GAS ____

NUMBER OF CONTAINERS 47 WEIGHT 20-60 ~~lbs~~ EA. VOLUME 4 ft³ EA.

TYPE OF CONTAINER PLASTIC AGE OF CONTAINER 2 days - 2 months

IV. REASON FOR DISPOSAL

NO FUTHER USE

V. DATE DISPOSAL REQUIRED

5-1-78

VI. COMMENTS

MUST BE WETTED AND DOUBLE BAGGED

APPROVED FOR DISPOSAL
BY 5-2-78
DATE K Kover

DISPOSAL LOCATION
BY C.F. Brown
DATE 5-5-78

0000052

DISPOSAL PACKET NUMBER

78-018

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME D.R. HOLMES TELEPHONE 942-0994

BUILDING/AREA TR. B Jones office complex

II. IDENTIFICATION OF MATERIAL

TRADE NAME ASBESTOS

CHEMICAL NAME UNKNOWN

STORAGE LOCATION EAST OF 306 Bldg. Lagging Storage Area. 300 Area

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES____ NO XXXXXXX

III. PACKAGING

LIQUID____ SOLID XXXXXXX GAS____

NUMBER OF CONTAINERS 70 WEIGHT UNKNOWN EA. VOLUME 3Cu.FT EA.

TYPE OF CONTAINER DOUBLE PLASTIC BAGS AGE OF CONTAINER 3 Days

IV. REASON FOR DISPOSAL

ROUTINE LAGGING WORK OF JOB NUMBERS A 42955 & J 48805

V. DATE DISPOSAL REQUIRED.

VI. COMMENTS

Contents are double bagged and wetted prior to disposal per instructions of Environmental Protection at 200 West.

APPROVED FOR DISPOSAL
BY R. Fauch
DATE 5-31-78

DISPOSAL LOCATION
BY C. Brown
DATE 6-2-78

0000053

DISPOSAL PACKET NUMBER

78-019

1 7 3 0 2 1 1 6

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME [illegible] TELEPHONE [illegible]

BUILDING/AREA [illegible] H-D 18 / FETF 7+C

II. IDENTIFICATION OF MATERIAL 400A / TR 13

TRADE NAME [illegible]

CHEMICAL NAME [illegible]

STORAGE LOCATION [illegible]

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES____ NO____

III. PACKAGING

LIQUID____ SOLID____ GAS____

NUMBER OF CONTAINERS [illegible] WEIGHT [illegible] EA. VOLUME____ EA.

TYPE OF CONTAINER [illegible] AGE OF CONTAINER [illegible]

IV. REASON FOR DISPOSAL

[illegible]

V. DATE DISPOSAL REQUIRED

[illegible]

VI. COMMENTS

APPROVED FOR DISPOSAL BY K. Kover

DATE 7-10-79

DISPOSAL LOCATION____

BY____

DATE____

0000055

GPO: 1977-799-434/13-10

DON'T SAY IT --- *Write It!*

DATE July 10, 1978

TO Doug Houck

FROM Karola Kover (2-2662)

Place the microbiocide containers in a metal container filled with vermiculite so the surfaces are not touching each other.

After packaging, please contact M.E. Clark of TUMS (2-6748), for transportation arrangements. Return the signed permit to me at, 222-T, 200 West, RHO.

cc: M.E. Clark

"TO MAKE LIFE LAST, PUT SAFETY FIRST"

0000056

DISPOSAL PACKET NUMBER

78-020

9 1 1 2 1 1 6 7 1 0 1 7 4

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

PERMIT NO. _____

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection. 222-T, 200 West, RHO.

I. CUSTODIAN

NAME David A Hyers TELEPHONE 2-5082

BUILDING/AREA POB/3000 CONTRACTOR PNL

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME PVC and ABS tubing and assorted trash

STORAGE LOCATION Meteorological Tower on 200 area

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X ____ GAS ____

NUMBER OF CONTAINERS ____ WEIGHT ____ EA. VOLUME ____ EA.

TYPE OF CONTAINER None AGE OF CONTAINER ____

IV. REASON FOR DISPOSAL

These materials have deteriorated to the point where they are no longer usable. Recent inspections of the storage area indicated that disposal was necessary for site safety and housekeeping

V. DATE DISPOSAL REQUIRED

As soon as possible

VI. COMMENTS

No active chemicals or the like is scheduled for disposal, only discarded research materials

"Burials during 8:30 a.m. - 3:00 p.m. Only"

APPROVED FOR DISPOSAL BY [illegible]

DATE 8-24-78

DISPOSAL LOCATION _____ 0000054

BY _____

DATE _____

9112 0975

DISPOSAL PACKET NUMBER

78-021

9 1 1 2 7 0 5 7 6

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME RH LANG TELEPHONE 2-1635

BUILDING/AREA 1007N

II. IDENTIFICATION OF MATERIAL

TRADE NAME Asbestos & Fiberglass

CHEMICAL NAME

STORAGE LOCATION 1607N

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X GAS ____

NUMBER OF CONTAINERS 35 WEIGHT 30 lbs EA. VOLUME 3 @ 4 cu FT EA.

TYPE OF CONTAINER Plastic AGE OF CONTAINER 46 days

IV. REASON FOR DISPOSAL

OF no use

V. DATE DISPOSAL REQUIRED

10-15-78

VI. COMMENTS

APPROVED FOR DISPOSAL BY Karola Konen

DATE 10-16-78

DISPOSAL LOCATION Central Land Fill Hanford, Wash

BY R. G. Courtrau

DATE Oct. 24 1978

0000057

DISPOSAL PACKET NUMBER

78-022

9112 0273

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME ROGER ADAMS TELEPHONE 2-2825

BUILDING/AREA 221-U

II. IDENTIFICATION OF MATERIAL

TRADE NAME ASBESTOS WASTE

CHEMICAL NAME

STORAGE LOCATION

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X GAS ____

NUMBER OF CONTAINERS 2 ~~Loads~~ WEIGHT ____ EA. VOLUME ____ EA.

TYPE OF CONTAINER Load Luggers AGE OF CONTAINER ____

IV. REASON FOR DISPOSAL

Waste

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

I understand that asbestos is not to be packed in plastic bags at this plant.

SURVEYED & RELEASED BY RAD. MONITORING ON 11/1/78 [illegible] Rockwell Int'l

APPROVED FOR DISPOSAL BY [illegible] for K. Kroen DATE 11-1-78

DISPOSAL LOCATION 0000071

BY C. T. Brown DATE 11-1-78

RETURN SIGNED COPY TO 222-T BLDG 200-W

0000071

DISPOSAL PACKET NUMBER

78-023

9 1 1 2 0 3 3 0

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME B. D. Robertson TELEPHONE 946-2737

BUILDING/AREA OSB-3000 Rm 279

II. IDENTIFICATION OF MATERIAL

TRADE NAME NaOH (Flakes)

CHEMICAL NAME Sodium Hydroxide (Caustic)

STORAGE LOCATION 306-W

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES____ NO X

III. PACKAGING

LIQUID____ SOLID X GAS____

NUMBER OF CONTAINERS 1 WEIGHT 200 lbs/EA. VOLUME 55gal EA.

TYPE OF CONTAINER Drum AGE OF CONTAINER UNK

IV. REASON FOR DISPOSAL

Out dated chemicals

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

APPROVED FOR DISPOSAL BY Karl A. Kover

DATE 11-28-78

DISPOSAL LOCATION Chem Stores

BY D. M. [illegible]

DATE 12-5-78

0000072

DISPOSAL PACKET NUMBER

78-024

REQUEST FOR DISPOSAL OF NONRADIOACTIVE HAZARDOUS MATERIAL

INSTRUCTIONS

Complete this request by providing all available information in the spaces provided. Fold, staple, and return completed form by plant mail to Environmental Protection.

I. CUSTODIAN

NAME Byron D. Robertson TELEPHONE 946-2737

BUILDING/AREA OSB-3000 Room 279

II. IDENTIFICATION OF MATERIAL

TRADE NAME Mixed Carcinogens

CHEMICAL NAME

STORAGE LOCATION 300 Area/304 Bldg.

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X GAS ____

NUMBER OF CONTAINERS 1 WEIGHT 880 EA. VOLUME 55 gal EA.

TYPE OF CONTAINER Steel Drum AGE OF CONTAINER UNK

IV. REASON FOR DISPOSAL

Contaminated Reagents

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

2-5 gal durms of carcinogenic waste have been placed in 1-55 gal drum of concrete and are ready for disposal.

APPROVED FOR DISPOSAL
BY ____
DATE ____

DISPOSAL LOCATION ____
BY ____
DATE ____

0000073