START

0012905

85

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

Rockwell International

BEST AVAILABLE COPY

FEB 1991
RECEIVED
EDMC

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

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 EDINGER TELEPHONE 5-6796

BUILDING/AREA [illegible]

II. IDENTIFICATION OF MATERIAL

TRADE NAME [illegible]

CHEMICAL NAME [illegible]

STORAGE LOCATION [illegible]

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID X SOLID ____ GAS ____

NUMBER OF CONTAINERS 1 WEIGHT ____ EA. VOLUME 50 GAL EA.

TYPE OF CONTAINER DRUM AGE OF CONTAINER ____

IV. REASON FOR DISPOSAL

No longer [illegible]

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

[illegible]

APPROVED FOR DISPOSAL BY [illegible]

DATE 1-18-78

DISPOSAL LOCATION ____

BY ____

DATE ____

0000002

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 FF [illegible] 700

II. IDENTIFICATION OF MATERIAL

TRADE NAME [illegible]

CHEMICAL NAME [illegible]

STORAGE LOCATION [illegible]

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 [illegible] AGE OF CONTAINER ?

IV. REASON FOR DISPOSAL

No longer [illegible]

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

[illegible]

APPROVED FOR DISPOSAL BY [illegible]

DATE [illegible]-18

DISPOSAL LOCATION ____

BY ____

DATE ____

0000003

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 [illegible] 1200

II. IDENTIFICATION OF MATERIAL

TRADE NAME [illegible]

CHEMICAL NAME [illegible]

STORAGE LOCATION [illegible]

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 [illegible] AGE OF CONTAINER ?

IV. REASON FOR DISPOSAL

No longer [illegible]

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

The [illegible] must be [illegible] a hydrochloric acid [illegible] with ammonium [illegible]

APPROVED FOR DISPOSAL BY [illegible]

DATE [illegible]

DISPOSAL LOCATION ____ 0000004

BY ____

DATE ____

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 2-6796

BUILDING/AREA [illegible] 700

II. IDENTIFICATION OF MATERIAL

TRADE NAME [illegible] #135

CHEMICAL NAME [illegible]

STORAGE LOCATION [illegible]

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 [illegible] AGE OF CONTAINER ?

IV. REASON FOR DISPOSAL

No [illegible]

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

[illegible]

APPROVED FOR DISPOSAL

BY [illegible]

DATE [illegible]

DISPOSAL LOCATION ____

BY ____

DATE ____

0000005

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

Form 131-R Rev. 3-76

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 Tony S I Anderson TELEPHONE 942-2779

BUILDING/AREA 2704-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 used

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

APPROVED FOR DISPOSAL
BY K Kauer
DATE 2-16-89

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 ← React with oxidizers	Organic, Liquid	500 ml
Cyclohexane	Organic, Liquid	500 ml
Hexone D - React with [illegible]	Organic, Liquid	500 ml
Nitroethane (2 bottles) Powerful oxidizers	Organic, Liquid	350 ml total
Chevron Dispersant NI-W	Organic, Liquid	300 ml
.05 M Br-PADAP/Hexanol React with oxidizers	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

Feb 10, 1978

To: SI Anderson

From: Karola Kowik
3-2662

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

We recommend the following action:

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

The inner bags in the 55 gal drums should be cleaned and if satisfactory they can be disposed of in these contain

Sodium Nitrate	Solid (I)	100 lb Bag
Sodium Sulfate	Solid (I)	100 lb drum
Ferric Nitrate	Solid (I)	100 lb Bag

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

The following can be put together in 55 gal drums with sufficient 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% Aliquat 336/Xylene	Liquid (O)	1 liter
30% Aliquat 336/Xylene	Liquid (O)	1 liter
DI (Secondary Butyl) Phenol Phosphonate	Liquid (O)	1 liter
5% (Tri-n-Butyl Phosphate)	Liquid (O)	
0.3 M [illegible]	Liquid (O)	200 ml

0000012

30% DI (Secondary Butyl) Phenol Phosphonate/Xylene	Liquid (O)	200 ml
100% Di Butyl-N, N-Diethylcarbamoyl Phosphonate	Liquid (O)	150 m
5% TBP/Cyclohexane	Liquid (O)	250 ml
.1M TBP/Cyclohexane	Liquid (O)	400 ml
15% Aliquat 336/Xylene	Liquid (O)	400 ml
25% Aliquat 336/Xylene	Liquid (O)	200 m
Asp in Isopropanol	Liquid (O)	500 ml
Cyclohexane	Liquid (O)	500 m
~~Nitroethane~~	~~Liquid (O)~~	~~250 m~~
.05 M Br-PADAP/Hexanol	Liquid (O)	100 m
.05 M Br-PADAP/Cyclohexane	Liquid (O)	100 m

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

Manganese Nitrate	Liquid (I)	5 gal
Sodium Silicate	Liquid (I)	5 gal
Nitroethane	Liquid (O)	350 ml
DTPA	Liquid (O)	2-6 liter 2-3 liter
HEDTH	Liquid (O)	4 liters
100% TBA	Liquid (O)	3 liters
NPA	Liquid (O)	2 liters
Di EHPA	Liquid (O)	150 ml

0000013

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
Hexane	Liquid (O)	500 ml
CCl4	Liquid (O)	100 ml

In 5 gal container with vermiculite put the following:

5% Liquinat 556/Chloroform	Liquid (O)	500 m
Chloroform	Liquid (O)	400 m
Chemon Dispersant N1-W	Liquid (O)	300 m
HOPPE'S #9 Solvent	Liquid (O)	5 lit

The 5-30 gal drums of 85% Phosphoric Acid can not be accepted at central landfill. 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. We 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

Enclosed is your approved disposal permit. Arrangements for transportation to central landfill 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 form.

If you have further questions please let me know.

Thank you for your cooperation

0000015

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. Sobeck TELEPHONE 2-2410

BUILDING/AREA 3704-10 300-10

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 Durex decontaminated [illegible]. Others are here in need for use to updated procedures.

V. DATE DISPOSAL REQUIRED

12/15/77

VI. COMMENTS

All chemicals are nonradioactive.

APPROVED FOR DISPOSAL BY R. L. Hiz / W. Kower

DATE 2/1/77

DISPOSAL LOCATION Chemical Trench — [illegible]

BY W. A. Stephens

DATE 2-15-78

0000016

JS-20013-721

s ~ stockroom
r ~ refrigerator
~ 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/e	Zirconyl Nitrate
s	l	9	g	4 oz/e	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./e	Lead Dioxide
s	s	2	g	1 lb./e	Lanthanum Nitrate
s	s	1	g	2 1/2 lb	Mercuric Nitrate
s	s	1	g	1 lb.	Magnesium Perchlorate
s	s	1	g	5 lb.	Sodium Perchlorate
s	s	5	g	1 lb./e	Phosphorous Pentoxide

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

20-200(3-72)

INORGANIC

Storage Area	Solid/ Liquid	Quant.	Container Type	Volume	Chemical
c	s	1	g	1 lb.	Potassium Oxalate
c	s	1	g	1 lb/e	Lanthanum Nitrate Crystals
c	s	1	g	1 lb	Sodium Bisulfate
c	s	1	m	1 lb.	Graphite Powder
s	s	1	g	1/4 lb.	Lithium Fluoride
c	s	1	p	5 g	Ferric Sulfate
c	s	1	g	1 lb.	Potassium Bromide
c	s	1	g	100 g	Reinecke Salt $NH_4[Cr(NH_3)_2(SCN)_4]\cdot H_2O$
s	s	1	g	4 oz.	Sodium Stannate
s	s	6	g	1 lb/e	Sodium Sulfate, Anhydrous
s	s	1	g	1/4 lb.	Tungstic Anhydride
s	l	4	g	1/4 lb/e	Sodium Silicate
s	s	1	g	1 lb	Potassium Carbonate
s	s	1	g	5 g	Hexachlorodihydrocis Platinum IV
c	s	1	p	1 gal	Ferric Sulfate
s	s	1	m	10 lb	Cresco Sulphur
s	s	1	g	1 lb.	Iron Chip Accelerator
s	s	1	g	1 lb.	Potassium Ferrocyanide
s	s	1	g	1 lb.	Lithium Hydroxide, Anhydrous
s	l	1	g	1 lb.	Sodium Hypochlorite
c	s	1	g	1 lb.	Potassium Fluoride
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 (National Aniline 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

0000018

INORGANIC (cont.)

Storage Area	Solid/ Liquid	Quant	Container Type	Volume	Chemical
e	s	1	g	100g	Nitroso R Salt
s	l	1	g	250ml	Hydroxylamine Hydrochloride
s	s	2	g	1/4 lb/s	Manganous Chloride
s	s	2	g	1 lb/s	Manganous Chloride
o	l	6	p	1 pt.	Ceric Ammonium Sulfate (0.04N)
o	s	1	g	1 pt.	Titanium Trichloride

238-200(3-72)

ORGANIC

Storage Area	Solid/liquid	Container Quant.	Container Type	Container Volume	Chemical
c	s	1	g	10 g	Phenol Red
c	s	1	p	½ lb.	TTA
c	s	1	g	1 lb.	Hydro Quinone
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	Cinnamon Essence
s	s	1	g	5 g	Glycol-Bis(2-hydroxyanil)
s	l	1	g	15 ml	Benzalkonium Cl (Zephiran) 0.8% (Grant Pharm)
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	3	g	5 g/e	N-Phenylbenzohydroxamic Acid
s	l	4	g	40 g/e	1,10-Phenanthroline Ferrous Sulfate, Solution (Ferro
s	s	1	g	5 g	Aluminum (2-ethylhexanoate)
s	s	1	g	100 g	1-Nitroso-2-naphthol
s	l	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% (Van Waters & Rogers)
s	s	1	g	5 g	Nickel Cyclohexane Butyrate
s	s	1	m	10 lb.	Trilauryl Tertiary Amine (Alamine 304)
s	l	1	g	250 ml	2-Ethylhexylamine
s	s	1	g	500 g	o-Aminophenol
s	l	1	p	1 kg	Di-N-Butyl Phosphate
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	p	3 g	Bathophenanthroline, Sulfonated, Sodium Salt
c	s	2	g	1 g/e	Thymol Blue Indicator
c	s	1	g	10 g	Hematoxylin
c	s	1	g	5 g	α-naphthylamine
c	s	4	g	10 g/e	Bromothymol Blue
c	s	2	g	10 g/e	Methyl Violet 2B
c	s	1	g	10 g	Diphenylthiocarbazone
c	s	1	g	25 g	3,4-Dimethyl Phenol
c	s	1	g	10 g	Congo Red
c	l	1	g	1 pt.	Kit Fisher Reagent

0000020

Organic, cont.

Storage Area	Solid/Liquid	Quant.	Container Type	Volume	Chemical
c	s	1	g	25 g	1-Nitroso-2-Naphthol-3,6-Disulfonic Acid Disodium Salt
c	s	1	g	25 g	1-Pyrolidine carbodithioic Acid, Ammonium Salt
c	s	1	g	5 g	POPOP 1,4-bis[2-(5-phenyloxazolyl)]-Benzene
c	s	1	g	25 g	Pre Mix "P" ~ 3% POPOP; 98% PPO (2,5-diphenyloxazole)
c	s	1	g	10 g	Methyl Red
c	s	1	g	100 g	Triethylphosphine Oxide
c	s	1	g	10 g	Oxime
l	s	1	g	100 g	Sulfosalicylic Acid
l	s	1	g	4 oz.	Potassium Biphthalate
l	s	1	g	21 g	EDTA (1,2-Cyclohexylene-dinitrilo)-tetraacetic acid
l	s	1	g	10 g	Potassium Iodide
c	s	1	g	200 g	Amadac-F (Rudolph & Henkel Laboratories)
s	l	1	g	1 pt.	"Aerosol OT Clear, 75%" (American Cyanamid Co.)
s	s	1	g	1 oz.	Methyl Red
c	s	1	g	1 lb.	Anion Exchange Resin (Chloride Form)
c	s	2	g	10 c/c	Dithizone
c	s	1	g	50 c	"Eosin Black A"
c	l	12	g	1 pt/	Elution Reagent Solution (p-dimethylaminobenzaldehyde)
o	s	1	g	1 lb.	Silica Powder
o	l	1	g	250 ml	Collodion in ethyl ether
o	l	14	g	1 pt/	Formaldehyde
o	l	1	g	1 pt.	Benzene
o	l	1	g	1 gal.	Special Thinner #92 (Alcohol Derivative)
o	l	1	g	1 gal.	Cyclohexane
o	l	1	g	1 gal.	N-Butyl acetate
o	l	1	g	1 gal.	Ketone
o	l	1	g	25 ml	34.7% Aromatic Solvent
					30.0% M-Cresol
					25.0% O-Dichlorobenzene
					12.5% Cresylic Acid
					5.0% Monoethanolamine
					2.8% Igepal CO 210
					(% by volume)
l	l	1	g	1 kg	Butyl acetate
l	l	1	g	5 pt	Carbon Tetrachloride

0000021

Unlabeled

Storage Area	Solid Liquid	Container Quant	Container Type	Volume	Chemical
r	s	1	Jar	1 lb.	?
r	l	1	Jar	1/4 lb.	?
r	l	40	Jar	15ml/1	(Organic gelatin + Dye)
o	l	1	Jar	1 gal.	(Flammable organic)
o	l	1	Jar	1 qt.	?
o	l	1	Jar	1 qt.	(organic)

0000022

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

Form 131-R Rev. 3-76

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 942-0925

BUILDING/AREA 300 TR. A

II. IDENTIFICATION OF MATERIAL

TRADE NAME ASBESTOS

CHEMICAL NAME [illegible]

STORAGE LOCATION 300 [illegible]

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES____ NO X

III. PACKAGING

LIQUID____ SOLID X GAS____

NUMBER OF CONTAINERS 15 WEIGHT [illegible] EA. VOLUME [illegible] EA.

TYPE OF CONTAINER PLASTIC AGE OF CONTAINER____

IV. REASON FOR DISPOSAL

Routine Laundry Bag

V. DATE DISPOSAL REQUIRED

Prior 3-30-78

VI. COMMENTS

Will be Double Bagged & Wetted Prior to Disposal

APPROVED FOR DISPOSAL BY [illegible]

DATE 3-[illegible]-78

DISPOSAL LOCATION____

BY C. H. Brown

DATE 3-21-78

0000024

GPO: 1977 799-434/13-10

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

DATE 2-24-78

TO Steve King

FROM Karala Kovari
2-2662

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

Arrangements for transportation of packaged ammonia should be made through Mr. Clark (2-6748) of TIMS. Please send the approval along with the shipment to be signed by the operator disposing of the material and returned to me.

If you have any questions let me know.

Thanks for

"TO MAKE LIFE LAST, PUT SAFETY FIRST"

2-28-78

Dutch
will you see
that we do this?
M Clark

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 2-6531

BUILDING/AREA 337 Bldg 300 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 1 gal EA.

TYPE OF CONTAINER Plastic AGE OF CONTAINER____

IV. REASON FOR DISPOSAL

No longer used.

V. DATE DISPOSAL REQUIRED

ASAP

VI. COMMENTS

Place the ammonia in a metal container and fill with vermiculite.

APPROVED FOR DISPOSAL
BY K Kerr
DATE 2-24-88

DISPOSAL LOCATION____

BY____
DATE____

0000026

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 each 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
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

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

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.

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 942-2995

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 BAGS 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 J. V. Parnell for K. Horner

DATE 3-23-78

DISPOSAL LOCATION ____

BY [illegible]

DATE 3-24-78

0000041

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 Karole Kover
DATE 3-23-78

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

0000042

3/23

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
26

VI. COMMENTS

Please Rush.

APPROVED FOR DISPOSAL
BY Karla Kowa
DATE 3-29-78

DISPOSAL LOCATION Central landfill
BY CW Brace
DATE 4-6-78

0000043

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 3930

BUILDING/AREA 336 [illegible]

II. IDENTIFICATION OF MATERIAL

TRADE NAME [illegible] TRISTOS

CHEMICAL NAME

STORAGE LOCATION [illegible]

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ . SOLID [illegible] GAS ____

NUMBER OF CONTAINERS 6 WEIGHT [illegible] EA. VOLUME ____ EA.

TYPE OF CONTAINER [illegible] AGE OF CONTAINER NEW

IV. REASON FOR DISPOSAL

[illegible]

V. DATE DISPOSAL REQUIRED

[illegible]

VI. COMMENTS

INSULATION HAS BEEN DOUBLE BAGGED AS REQUIRED

APPROVED FOR DISPOSAL
BY K Kowa
DATE 3-29-78

DISPOSAL LOCATION
BY RS Blaney
DATE 1-3-78

0000044

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 [illegible] GAS____

NUMBER OF CONTAINERS [illegible] WEIGHT [illegible] 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 [illegible]

0000045

✓

Mason
I believe you already have copy of all files.
Joe

GPO: 1977—799-434/33-10

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

DATE 3-30-78

TO Jack Hagan FROM Karola Kover

Please contact Mr. 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 Jo 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 covered WITH THE material

V. DATE DISPOSAL REQUIRED

AS SOON AS POSSIBLE

30 gal.

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 (MOSTLY)

APPROVED FOR DISPOSAL
BY Pamela Kover
DATE 3-30-78

DISPOSAL LOCATION____

BY____

DATE____

0000047

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 Kover

DATE 4-7-78

DISPOSAL LOCATION ____

BY C. E. Brown

DATE 4-11-78

0000048

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 UNK

STORAGE LOCATION 300 AREA 3722 BLDG.

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X GAS ____

NUMBER OF CONTAINERS ~~[illegible]~~ (4) WEIGHT UNK. EA. VOLUME 4 CU. FT. EA.

TYPE OF CONTAINER ~~[illegible]~~ PLASTIC BAGS AGE OF CONTAINER ____

IV. REASON FOR DISPOSAL

USED ASBESTOS THAT WAS REMOVED FROM ROUTINE LAGGING WORK

V. DATE DISPOSAL REQUIRED

~~[illegible]~~ Immed 28 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 3-28-78

0000049

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 THERMOBESTOS

CHEMICAL NAME ASBESTOS

STORAGE LOCATION 3718 F

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 BEEN [illegible]

V. DATE DISPOSAL REQUIRED

A.S.A.P.

VI. COMMENTS

Must be wetted and doubled bagged prior to burial

APPROVED FOR DISPOSAL
BY Karla Kouns
DATE 4-24-78

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

0000050

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 4-26-78

DATE [illegible]

DISPOSAL LOCATION _____

BY C. R. Brown

DATE 5-3-78

0000051

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~~ 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 Kower

DISPOSAL LOCATION

BY C.F. Brown

DATE 5-5-78

0000052

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 Fauer
DATE 5-26-78

DISPOSAL LOCATION _____
BY C F Brown
DATE 6-2-78

0000053

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 Myers TELEPHONE 2-5052

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 nr 200 W 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 Carole Kauer

DATE 8-24-78

DISPOSAL LOCATION _____ 0000054

BY _____

DATE _____

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 Doug Court TELEPHONE 9+2-[illegible]

BUILDING/AREA [illegible] H-D 18 / FFTF J+C 400A / TR 13

II. IDENTIFICATION OF MATERIAL

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 7-10-78

DISPOSAL LOCATION _____
BY _____
DATE _____

0000055

GPO: 1977—799-434/33-10

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

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 100N

II. IDENTIFICATION OF MATERIAL

TRADE NAME Asbestos & Fiberglass

CHEMICAL NAME

STORAGE LOCATION 100N

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES ____ NO X

III. PACKAGING

LIQUID ____ SOLID X GAS ____

NUMBER OF CONTAINERS 35 WEIGHT 30 lbs EA. VOLUME 5 @ 4 CUBFT 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 Works
BY O. G. Courteau
DATE Oct. 24 1978

0000057

Foster-Wheeler International

October 27, 1978 72330-78-208

Distribution K. Kover

2-2662

Nonradioactive Waste Inventory

Department of Energy has requested a Nonradioactive Hazardous Waste Inventory. These include all hazardous waste to be disposed of through 1982.

For each substance we require the following information:

A. Commercial/chemical name
B. Quantity
C. Location by building number
D. Mode of storage (jars, drums, etc.)
E. Current method of disposal
F. Future disposal plans (consider authorized offsite disposal, manufacturer, etc.)
G. Are the disposal methods now being used adequate?
H. Impact on operations because of lack of adequate disposal.

This information should be sent to Environmental Protection by November 10 in order to meet the DOE deadline of November 20, 1978.

If you have any questions, please contact me on 2-2662.

K. Kover

K. Kover
Environmental Engineer

KK/kkc

Distribution

List #3

From JKP's file
for your info
Gordon
Mark (L)
please file/toss as appropriate
thanks
JJK

0000058

CHEMICAL	VOLUME
4R Stored on sample cart	All quantities of the following chemicals range from 1 to 2 pints.
Decane R with OK	
Thioglycolic Acid OK	
Piperdine R with OK	
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	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 R with Ox	300 ml
Dicyclohexylamine R with Ox	1 pint
Formic Acid OK	2 pints
Butyl Alcohol [illegible]	700 ml
Glycerine [illegible]	1 pint
Cyclohexylamine R with Ox	1 pint
Acetic Anhydride [illegible]	1 pint
Benzene [illegible]	7 pints
Mono-Bromobenzene [illegible]	1 pint
Methyl Alcohol R with Ox	10 pints
? 1AX	1/2 gallon
2-Ethylhexyl Phenyl-Phosphoric Acid toxic	2 liters
Chevron Paraffin R with Ox	1/2 gallon
O-Cedar Furniture Polish OK	1 gallon
Paraffin Oil OK	2 quarts
Dimethylaminobenzaldehyde OK	1 liter
Lube Oil OK	100 ml
Fluorolube OK	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 Ox

1-Tetradecene R with Ox

Dichloromethane toxic

Hexadecyltrimethylammonium Hydroxide R with Ox

2-Ethyl-1-Hexanol R with Ox

Ethyl Malonate R with Ox

? Phenoldisulfonic Acid R with Ox

N,N-Dimethylbenzylamine R with Ox

Quinoline R with Ox

s-Tetrachloroethane R with Ox

Diethyl Oxalate R with Ox

? Dibutyl Hydrogen Phosphate

Tetradecane R with Ox

Nitrobenzene Powerful Oxidizer

? n-Butyl Sulfone

Glycerine R with Ox

2-Ethylhexanol R with Ox

Triacetin Powerful Oxidizer

Octane R with Ox

? Permacol

Phenylhydrazine R with Ox

Tetrabromo Ethane toxic

Decane R with Ox

0000063

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 toxic	
Tetraethylammonium Hydroxide [illegible]	
Isophorone [illegible]	
Dodecane OK	
? Pivelic Acid	
Tri Iso Octyl Amine OK	
? Triethyl Thiono Phosphate	
Methyl Tricaprylyl Ammonium Chloride toxic	
Benzyl Ethyl Ether toxic	
? n-Amyl Sulfone	
Trans-2-Octene [illegible]	
Tricresyl Phosphate [illegible]	
Tri-n-Decylamine	
? Methyl Iso Propyl Di Ketone	
? Trioctylamine	
Mercaptoacetic Acid [illegible]	
Dibenzylamine OK	
Trifluoroacetic Anhydride toxic	
? Perfluorobutyric Acid	
Dimethylsulfoxide [illegible] with OK	
Dodecyl Alcohol OK	

CHEMICAL	VOLUME
4Q Refrigerator	
Trifluoracetic Anhydride OK	1 pint
2-Ethoxyethyl Ether, 97%	1 liter
Formic Acid OK	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 OK	500 ml
Hydriodic Acid OK	500 ml
Karl Fischer Reagent OK	1 pint
Tetrahydrofuran - Stabilized with 0.025% BHT	250 ml

0000065

CHEMICALS	VOLUME
Cabinet in 4Q	
Paraffin Oil OK	500 ml
Iso-Propyl Alcohol R with Oxidizers	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 with [illegible]	1 gallon
2-Methoxyethanol R with Oxidizer	1 gallon
Hexone [illegible]	1 gallon
2-Ethoxyethanol, 99% R with Oxidizer	1500 ml
? Shell Ondina Oil 17	1/2 gallon
Dimethyl Formamide Merck with Oxidizer	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 with Oxidizer	3 pints
? Adogen 368	1 pint
Phenylhydrazine R with Oxidizer	1 pint
Toluene R with OX	1 pint
Petroleum Ether OK	1 pint
3-Methylpentane R with OX	300 ml
Nitromethane R with OX	1 pint
Can-o-Gas "Freon" toxic	

0000066

CHEMICAL	VOLUME
40 Refrigerator	
Hydrogen Peroxide Powerful Oxidizer	1 pint
2-Methoxyethanol R with Oxidizer	100 ml
Styrene R with 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 R with [illegible]	200 ml
Ethoxyethanol R with [illegible]	100 ml
Triethylene glycol dimethyl ether R with [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 ok	Organic, Liquid	25 ml
Di-isopropyl Carbinol ok	Organic, Liquid	100 ml
n-Octyl Alcohol	Organic, Liquid	100 ml
Tridecane	Organic, Liquid	50 ml
Tributyl Phosphate ok	Organic, Liquid	2 Liters
Butyronitrate Oxidizing agent	Organic, Liquid	2 Liters
Indene ok	Organic, Liquid	400 ml
Polycomplex A-11	Organic, Liquid	2 Liters
n-Dodecane ok	Organic, Liquid	58 ml
DBDECMP	Organic, Liquid	250 ml
Dibutyl hydrogen phosphate ok	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 Oxidizing	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

PERMIT NO.	Date Sent	CHEM.	VOLUME.		RETURNED	Date for sign
100	1-2-78	Asbestos			C. L. Smith	100-N 1705 Bldg Room 2
101	1-2-78	1% $CaNO_3$			W. Taylor	116 E Bldg
102	1-4-78	Asbestos vent	3x4	12' long	Vernon Harmon	2-808 West
103	12-17-78	Chemicals	(1) 55 gal drum		Byron Rentson	6-2737

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 2-2835

BUILDING/AREA 271-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 ~~LUGGER~~ 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 wetted and packaged in double ~~bag~~ thick plastic.

SURVEYED & RELEASED BY RAD. MONITORING ON 11/2/78

J.A. Jenkins Manager R.M. Rockwell Mgr.

APPROVED FOR DISPOSAL BY J.J. Paneko for K. Kover DATE 11-1-78

DISPOSAL LOCATION 0000071

BY C.T. Brown DATE 11-2-78

→ RETURN SIGNED COPY TO 222-T BLDG 200-W

~~RECEIVED~~

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 Karola Kover
DATE 11-28-78

DISPOSAL LOCATION Chem Treat Central Landfill
BY D N Henry
DATE 12-5-78

0000072

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