

START

0012902 22

Atlantic Richfield Hanford Company
Federal Building
Richland, Washington 99352
Telephone 509 942 7411



BEST AVAILABLE COPY

October 30, 1975

Battelle Memorial Institute
Pacific Northwest Laboratory
Richland, Washington 99352

Attention: Mr. T. J. McLaughlin, Engineer
Occupational and Environmental
Safety Department



Subject: DISPOSAL OF UNKNOWN WASTE

Gentlemen:

There isn't any problem in disposing of your unknown laboratory waste to the Central Landfill. Please make sure the carcinogens are excluded from the waste before it goes to the Central Landfill. As per our conversation, Mr. M. E. Clark of Transportation, Utilities, Maintenance, Services is your contact for the disposal arrangements. Please keep us advised as to the disposition of the waste.

Yours truly,

J. L. Calder, III
Environmental Engineer
Environmental and Occupational Safety Department

JLC:pvb

- cc: GE Backman
- JL Calder III ✓
- ME Clark
- RI Grob
- KR Price

*Lab waste put in lab folder then
left. Very small quantities in 25ml bottles.*

1000000

91121370577



Project Number _____

Internal Distribution

Date November 12, 1975

To EA Weakley

From TJ McLaughlin

Subject Request for Chemical Disposal Assistance

JL Calder (w/o enc)
PFX Dunigan, Jr. (w/o enc)
JH Soehnlein (w/o enc)
File/LB

Enclosed please find four "Chemical Waste Disposal Permit" applications as supplied by your office. The applications were completed separately according to physical location of the wastes for accounting purposes.

As you may note, laboratory quantities of organic acids comprise the largest disposal request. This is due to the present inadequacy of Hanford hazardous waste management practices to handle such wastes. Other Battelle chemicals are disposed through burial and treatment systems provided by ARHCO and by in-house neutralization techniques.

Any cooperation you could render would be most appreciated. We look forward to working with you in this matter.

/mh

91121390578

0000002

REQUEST FOR DISPOSAL OF HAZARDOUS MATERIALS

Instructions

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

I Custodian

Name ROBERT M. FUSLACH Telephone 2-1588

Building/Area UNIT - FED. ~~KT20EXXK000X~~ 1720 K/2 100 K

II Identification of Material

Trade Name TURCO

Chemical Name DECON - 4306 C

Storage Location 185 BLDG. - 100F

Contaminated with Radioactive Material? Yes _____ No X

III Packaging

Physical Form: Liquid _____	Number of Containers <u>384</u>
Solid <u>X</u>	Weight <u>125 LB.</u> each
Gas _____	Volume <u>48,875 LB.</u> each
Compressed Gas _____	Age of Container <u>5 YEARS</u>

Container: Glass _____
 Wood, Fiber, Plastic FIBER
 Metal _____

IV Reason for Disposal

This Turco was originally procured for decontamination use in the old Reactors. Due to EE deactivation it is no longer required at K Area, and this type of Turco is not used at 100-H Area.

11/09/75 Date Disposal Required by _____

V Comments
(acid, caustic, flammable, toxic, etc.)

This material was buried at ARUNCO Landfill. 11/08/75

By Bob Gregory

0000003

91121390579

Atlantic Richfield Hanford Company



1) KRP for
action

2) Under - Copy for
Triller 8/15

Date: July 30, 1975
To: G. E. Backman
From: H. O. Monson *H. O. Monson*
Subject: DISPOSAL OF TURCO DECON 4306C

On December 1, 1971 United Nuclear Industries released 48,000 pounds of Turco Decon 4306C contained in 391 barrels to Atlantic Richfield Hanford Company for disposal. Three attempts have been made to find a buyer for this material but they have been unsuccessful. The last attempt was concluded on July 28, 1975, Public Sale 04-75. The material is stored in Building 185-B, 100-B Area. Being highly corrosive, the fumes are interacting on all metal-exposed areas. United Nuclear Industries is desirous that the material be removed, buried or destroyed so that the ecological and environmental effects will be minor.

Your expertise is required to advise us as to the method of disposal that will cause the least damage to the environs. To determine removal and handling costs, we need to know the specialized handling that will be required.

To expedite disposal we would like to receive your written instructions by August 22, 1975.

HOM:mwh

cc: JWO Ash, UNI
JT Baker, UNI
HO Monson
DL Richardson
BL Vail



0000004

912110000

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. J. Bachmann / D.E. Rutherford TELEPHONE 942-7169
BUILDING/AREA 1171 Building, 1100 Area

II. IDENTIFICATION OF MATERIAL

TRADE NAME Used Battery Acid
CHEMICAL NAME Electrolyte
STORAGE LOCATION 1171 Battery Acid Disposal Dump
CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID _____ SOLID X GAS _____
NUMBER OF CONTAINERS _____ WEIGHT _____ EA. VOLUME 2 yds EA.
TYPE OF CONTAINER Not Applicable AGE OF CONTAINER _____

IV. REASON FOR DISPOSAL

To remove gravel saturated with battery acid

V. DATE DISPOSAL REQUIRED

12-11-75

VI. COMMENTS

Gravel saturated with battery acid

APPROVED FOR DISPOSAL
BY [Signature]

DATE 12-9-75

DISPOSAL LOCATION Central Landfill

BY [Signature]
DATE 12-11-75 0000005

91121890571

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 Kathy Probasco TELEPHONE 946-2044

BUILDING/AREA LSL II/3000

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME Variety of waste chemicals

STORAGE LOCATION PS Loading Dock

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID X SOLID X GAS _____

NUMBER OF CONTAINERS -700 WEIGHT 50 lbs. EA. VOLUME 2.5 ft³ EA.

TYPE OF CONTAINER 55/30 gallon barrel AGE OF CONTAINER 2-10 years

IV. REASON FOR DISPOSAL

No longer useful chemicals

V. DATE DISPOSAL REQUIRED

12/12/75

VI. COMMENTS

Small quantities of organics present.

APPROVED FOR DISPOSAL
BY J. S. Keller JR

DATE 12/9/75

DISPOSAL LOCATION Central Landfill

BY R. S. Keller

DATE 12-11-75

0000006

91121390512



Battelle

Pacific Northwest Laboratories

Project Number _____

Internal Distribution

File/LB

Date December 9; 1975

To JL Calder

From TJ McLaughlin *TJ McLaughlin*

Subject Waste Chemicals to be Picked Up at P.S.B. Loading Dock

The chemicals listed below are ready for disposal:

- (8) jars of unknown liquids
- 100 ml phenyl isocyanate
- 1 Jar of 2, 7, Dichlorofloresceine Spray Reagent
- 1 Plastic Container NHy MB
- 216 Solvent Extracts 100 ml ea.
- 400 Scintilation Vials 25 ml ea.
- 12 Chunks of Sediment Contained in Plastic Containers
- 100 Vials of Unknown
- 4 Small Bottles Crude Oil
- 8 lt. (2 gal.) Crude Sludge
- 1 lt. Formamide Liquid
- 1 lt. HCL acid in Metal Container
- 15 lb Jars of Phosphorous Pentoxide (granular)

0000007

9 1 1 2 1 9 0 3

Orig. - M R Clark
C.C. - Custodian
- K R Price

REQUEST FOR DISPOSAL OF HAZARDOUS MATERIALS

Instructions

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

I Custodian

Name FS STONG Telephone 2-2719

Building/Area 271 T / 200 W

II Identification of Material

Trade Name 2 Misc small containers of old

Chemical Name Laboratory chemicals

Storage Location Basement 271 T

Contaminated with Radioactive Material? Yes No X

III Packaging

Physical Form: Liquid X

Solid X

Gas

Compressed Gas

Number of Containers numerous packs

Weight each in 55 gal.

Volume each

Age of Container Unknown

Container: Glass

Wood, Fiber, Plastic

Metal 55 gal drum for burial - 3 drums

IV Reason for Disposal

old, uncertain history, unusable

Date Disposal Required by ASAP

V Comments

(acid, caustic, flammable, toxic, etc.)

List of specific materials in each drum
supplied to J L Calder, E 505

Approved for Disposal:

Date 11-19-75

By K R Price

Burned at Central Fuelfill.

Date 11-13-1975

By M Clark

91121890504



Project Number _____

Internal Distribution
EH Phinney w/o enc.
JH Soehnlein w/o enc.
FB Steele w/o enc.
HC Stidham w/o enc.

Date November 18, 1975

To JL Calder

From TJ McLaughlin *TJ McLaughlin*

Subject Chemicals Packaged in 242-B Pending Burial

The following chemicals were placed into a 55 gallon drum for disposal purposes on November 17, 1975. All were solids except two unknown liquids.

<u>Chemical</u>	<u>Quantity</u>	<u>No. Containers</u>	<u>Container Size</u>
Aluminum (powder)	13.0 lb.	4	4/1 lb.
Calcium chloride	1.0 lb.	1	1 lb.
Soda lime	1.0 lb.	1	1 lb.
Sea sand	2.5 lb.	3	1 lb.
Phosphoric acid (granular)	19.0 lb.	21	1 lb.
Sodium oxalate	11.0 lb.	12	1 lb.
Pentasodium diethylene-triamine pentaacetate	0.8 lb.	1	1 lb.
Ethylene diamine tetraacetic acid	0.5 lb.	1	3 Kg
Oxalic acid (granular)	2.5 lb.	2	5/1 lb.
Manganous sulfate	1.0 lb.	1	1 lb.
Magnesium sulfate (anhydrous)	0.75 lb.	1	1 lb.
Silica gel	25.0 lb.	1	25 lb.
Sodium carbonate	4.0 lb.	4	1 lb.
Acridine	1.0 lb.	1	1 Kg
8-Quinolinol	1.0 lb.	1	1 Kg
8-Hydroxy-7-iodo-5-quinoline sulfonic acid	0.1 lb.	1	100 g
Sulfamic acid	0.5 lb.	2	100 g
Magnesium oxide	0.75 lb.	1	1 lb.
Potassium dichromate	0.75 lb.	1	1 lb.
Potassium iodide	1.0 lb.	1	1 lb.
Potassium permagnate	3.0 lb.	3	1 lb.
Thenoxitrifluoro acetone	0.5 lb.	1	1 lb.
Calcium carbonate	1.0 lb.	1	1 lb.
Phosphorous acid (granular)	0.25 lb.	1	1 lb.
Unknown liquid	10.0 lb.	1	10 lb.
Unknown liquid	0.1 lb.	1	0.1 lb.

The drum was placed just outside the west door of 242-B.

I am enclosing an ARHCO "Request for Disposal of Hazardous Materials form for the chemicals.

As I mentioned in our recent telephone conversation, I would like to coordinate this barrel pick up with others to reduce transport charges.

0000009

911210005

Handwritten notes:
W...
P...
15-2-75

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 Fred Steele TELEPHONE 942-2233
BUILDING/AREA 242-B/200-E

II. IDENTIFICATION OF MATERIAL

TRADE NAME See enclosed memo
CHEMICAL NAME _____
STORAGE LOCATION 242-B
CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID _____ SOLID X GAS _____
NUMBER OF CONTAINERS 1 WEIGHT ~ 100, EA. VOLUME 3 ft³, EA.
TYPE OF CONTAINER metal AGE OF CONTAINER > 5 yrs.

IV. REASON FOR DISPOSAL

No longer useful chemicals that no other researches want.

V. DATE DISPOSAL REQUIRED

December 1, 1975

VI. COMMENTS

Some granular acids present.

APPROVED FOR DISPOSAL

BY J. Salda

DATE 11/21/75

DISPOSAL LOCATION Central Landfill

BY D. Hartford (L)

DATE 12-11-75

0000010

91121390576

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 L F LUST *eff* TELEPHONE 7-3012

BUILDING/AREA 325/300

II. IDENTIFICATION OF MATERIAL

TRADE NAME _____

CHEMICAL NAME Trichloroethylene

STORAGE LOCATION 325/ Rm 528

CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID X SOLID _____ GAS _____

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

TYPE OF CONTAINER Drum AGE OF CONTAINER Unknown
Looks fairly new. Painted.

IV. REASON FOR DISPOSAL

No longer usable - polluted
with oil.

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

Used in Tech Shop for degreasing
metal

APPROVED FOR DISPOSAL

BY J. L. Lusk

DATE 12/16/75

DISPOSAL LOCATION Central Landfill

BY Bob Gregory

DATE 12-22-75

0000011

91121890577

DON'T SAY IT --- Write It!

DATE 12/31/75

TO Leonard Lust/HEDL

FROM John Calder - ARHCO *J. Calder*

Follow the same procedure as last time and call ME Clark or DE Rutherford at 2-6178. Please include the signed original of the request with the material to be signed by the operator that disposes of the asbestos. Thank you for your cooperation.

JLC:pvb

Att

cc: JL Calder, w/att
ME Clark/Rutherford, w/att
KR Price

8
0
4
1
2
1
1
6



"TO MAKE LIFE LAST, PUT SAFETY FIRST"



000001

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 LF Lust TELEPHONE 2-3012
BUILDING/AREA 325/300

II. IDENTIFICATION OF MATERIAL

TRADE NAME Asbestos (old lagging)
CHEMICAL NAME _____
STORAGE LOCATION 325 Bldg Rm 527
CONTAMINATED WITH RADIOACTIVE MATERIAL? YES _____ NO X

III. PACKAGING

LIQUID _____ SOLID X GAS _____
NUMBER OF CONTAINERS 1 WEIGHT 20 lb EA. VOLUME 10 cu ft EA.
TYPE OF CONTAINER double plastic bags AGE OF CONTAINER new

IV. REASON FOR DISPOSAL

Waste
double plastic bags
new

V. DATE DISPOSAL REQUIRED

VI. COMMENTS

This has not been in a Radiation Zone

APPROVED FOR DISPOSAL

BY J. S. Calder

DATE 12/31/75

DISPOSAL LOCATION _____

BY _____

DATE _____

0000013