

ELECTRIC

Knolls Atomic Power Laboratory
Schenectady, New York

January 29, 1958

Mr. E.J. Witkowski
Oak Ridge National Laboratory
Oak Ridge, Tennessee

Gentlemen:

Subject: Radioactive Waste Shipment from Model City, New York

Confirming our telephone conversation of January 29, 1958 attached is a list of items which Hooker Electrochemical Company is including in the three (3) carload shipments of radioactive waste material scheduled for shipment on January 31, 1958.

Mr. F.W. Malone, Chief AEC Niagara Falls Branch will advise you by phone exactly what day the shipment will leave Model City, New York. In addition, he will make arrangements to route the waste shipment to the Y-12 siding on the L & N railroad as per your request.

In the very near future (six to eight weeks) the Hooker Electrochemical Company personnel are planning to incinerate KAPL's combustible waste now in storage at Model City, New York. The ashes and the misc. non-combustible materials will be packaged to meet I.C.C. regulation and be included in the next waste shipment to Oak Ridge.

As in the past, a list of materials including dose rates, description and weights that will be put into each box car will be forwarded to you with our shipping documents. In addition, an itemized list of materials will be tacked inside of each box car shipped to assure for continued safe handling of our loadings and for your guidance at Oak Ridge burial grounds.

KAPL and the Hooker Electrochemical Co. appreciate your cooperation and trust that this shipment will run as smoothly as the past operations. If Oak Ridge has any questions regarding the plan or schedule, please do not hesitate to advise this section.

Very truly yours,

D.A. Manieri

D.A. Manieri, Foreman
Radioactive Waste
OPERATION & MAINTENANCE

ChemRisk Repository # 1251

ChemRisk Document No. 1251

DAM/smp
Attachment

Distribution

- W.F. Trolenberg - SOO
- T.R. Young - KAPL
- J. Lieberman - AEC, D.C.
- E.B. Haines - KAPL
- B. Ball - SOO
- A.A. Schoen - Oak Ridge OO
- L. Cherubin - KAPL
- H. McAluff - Oak Ridge OO

- F.W. Malone AEC Niagara Fa.
- J.D. Sweeney Hooker Co.
- J. Hanner Hooker Co.

MEDICINE, HEALTH & SAFETY 3-4

(Contaminated) it
FEB 5 1958
H: 1038

Radioactive Waste Material
In Box Cars for Disposal
 AT
OAK RIDGE NATIONAL LABORATORY

ATMX 207

Qty	Containers	Material	Max. Dose Rate	Max. Weight
9 Pallets	65 gal. s/s drum	Slurry	50 mr/hr.	2800#/pallet
2 "	55 " " "	"	50 "	2000 "
1 "	55 " " "	"	100 "	1000 "
1 "	55 " " "	"	80 "	1000 "
1 "	55 " " "	"	95 "	2000 "
1 "	55 " c/s "	PU	40 "	1000 "
1 "	55 " s/s "	Slurry	20 "	2800 "
3 "	65 " " "	"	40 "	2000 "
6 "	55 " " "	"	80 "	2000 "
24 "	55 " " "	"	"	"

Car #ATMX 209

9 Pallets	55 gal. c/s drum	Cont. oils	10 mr/hr.	2000#/pallet
8 "	55 " s/s "	Slurry	120 "	2000 "
6 "	65 " " "	"	90 "	2800 "
4 "	55 " c/s "	Solid Waste	200 "	1000 "
4 "	55 " " "	PU	10 "	1000 "
4 "	55 " " "	Oils	6 "	2000 "
4 "	55 " s/s "	Slurry	50 "	2000 "
2 "	65 " c/s "	Cont. ashes	6 "	2000 "
2 "	55 " s/s "	Slurry	180 "	2000 "
4 "	55 " c/s "	Solid Waste	150 "	1000 2

Car #ATMX 208

5 Pallets	65 gal s/s drum	Slurry	20 mr/hr.	2800#/pallet
4 "	55 " c/s "	Oils	10 "	2000 "
11 "	55 " s/s "	Slurry	500 "	2000 "
4 Boxes	4' x 3' x 2'	Misc. Scrap	6 "	300#/box
1 Pallet	55 gal. c/s drum	Solid Waste	3000 "	1000#/pallet
1 "	55 " s/s "	Slurry	800 "	2000 "
2 "	65 " c/s "	Misc. Waste	30 "	2000 "
4 "	30 " s/s "	Slurry	40 "	1500 "

Note: 16 additional pallets of drums will be loaded and monitored into this car by the Hooker Electrochemical Co. personnel.

Monitoring Results:
External radiation

Car ATMX 207) 10 mr/hr. at 12 ft. from outer surface of box car - 10 mr/hr. at 5 ft.
 Car ATMX 209) at ends of box car.
 Car ATMX 208 - Will be monitored by Hooker personnel when loading is completed

H 1038

FEB 5 '54

H 2423

Identification

Since some of this material has been in storage since 1952, we have re-surveyed and color coded radiation readings on each container for your guidance.

Yellow - L - indicates maximum reading 50 mr/hr.

Blue - M - indicates maximum reading 200 mr/hr.

Red - H - indicates maximum reading 1000 mr/hr.

Readings greater than 1 R/hr. have been identified in Red by the actual radiation readings on container.

All containers are palletized and banded four to a pallet.

Materials:

Miscellaneous Scrap is composed of materials contaminated with low level fission products, such as air filter, glass, metals, wood and all materials that cannot be baled.

Baled Materials are composed of dry waste, such as paper, rags, floor sweepings, gloves, lagging, etc., contaminated with low level fission products

Solid Waste is composed of high level fission products and includes both miscellaneous scrap and baled materials

PU Waste is composed of all materials contaminated with PU. This type of waste is put in one gallon cans and then into drums.

Slurry is composed of evaporator bottoms, neutralized and contaminated with high level fission products.

Oils are composed of degreasing fluid and cutting oils, contaminated with low level fission products.

DAM/emp