



Pharmaco nuclear inc.

1734 EAST 63RD STREET • SUITE 214
KANSAS CITY, MISSOURI 64110
(816) 523-4014

TIC

August 31, 1979

James G. Keppler, Director
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Mr. Keppler:

Enclosed is the report required by bulletin #79-19 and will be applicable for all of our radiopharmacies located in Region III. Below are the addresses and NRC license numbers for each:

Pharmaco Nuclear, Inc.
1734 E. 63rd Street, Suite 214
Kansas City, MO 64110
NRC License No. 24-16617-01 MD
Terrance O'Hara, Manager

Pharmaco Nuclear, Inc.
10900 Carnegie Avenue
Cleveland, OH 44106
NRC License No. 34-16405-01 MD
David Hurwitz, Ph.D., Manager

Pharmaco Nuclear, Inc.
210 South Desplaines, Suite 301
Chicago, IL 60606
NRC License No. 12-17910-01 MD
William H. McHugh, Ph.D., Manager

Our plan of action will be to implement items 1 through 9, bulletin #79-19, as soon as possible, but not longer than 60 days from the date of this bulletin. This will entail obtaining current licenses and procedures from those commercial waste disposal firms which are utilized by our various branch pharmacies.

Training of appropriate personnel will be accomplished on routine visits which are made by our Health Physics Staff to our branch pharmacies.

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The following answers are provided in accordance with bulletin #79-19:

1. How many low-level radioactive waste shipments did you make? What was the volume of low-level radioactive waste shipped?

Kansas City Branch - None
Chicago Branch - None
Cleveland Branch - 2 shipments of 55 gallon steel drums

2. What was the quantity (curies) of low-level radioactive waste shipped? What were the major isotopes in the low-level radioactive waste?

This question applies to our Cleveland facility only.

Quantity of Curies shipped = less than 0.010 Curies.

Major Isotopes:

1. Yb-169
2. Se-75
3. Mo-99
4. I-123

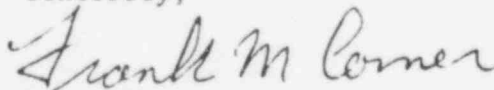
3. Did you generate liquid, low-level waste?

No

Comments:

In general low-level radioactive waste generated by radiopharmacies consists of empty syringes and vials, and represent solid low-level radioactive waste. The very small quantity of activity present in this waste is mostly attributed to Se-75 and Yb-169. At the present time, only one of our branch pharmacies has had occasion to utilize a commercial waste firm; however, it is anticipated that all facilities will at some point in time utilize such a service. We, therefore, will establish appropriate procedures, etc., to conform to NRC bulletin #79-19.

Sincerely,



Frank M. Comer
Health Physicist
Pharmaco Nuclear, Inc.

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Enclosure

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