

PHILIPS ROXANE, INC.

A NORTH AMERICAN PHILIPS COMPANY

January 19, 1981

United States Nuclear Regulatory Commission  
Regional Licensing Section  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Sirs:

Enclosed is a copy of your January 14, 1981 letter concerning Philips Roxanes' application for amendment of NRC license no. 24-12127-03 (Control No. 04174) requesting additional information. Our replies to these requests follow.

1). A. Type of Survey -

Wipe tests will be performed by one of the four persons listed on the application. While wearing protective gloves, a gauze pad will be soaked in suitable scintillation cocktail and entire surface area of bench top designated for nuclide use will be thoroughly wiped. Pad will then be rinsed using a given volume of scintillation cocktail, the rinse being collected in a scintillation vial for counting.

1). B. Frequency of Survey -

As use of radionuclides at our facility will be sporadic, wipe tests will be performed upon completion of any procedure requiring less than one week. If it is anticipated that procedures will be carried out for periods longer than one week, wipe tests will be performed weekly.

8102280556

JAN 21 1981

1). C. Decontamination Level -

If above wipe test shows a level of activity greater than 200 dpm per 100 cm<sup>2</sup>, the entire nuclide work station will be thoroughly wiped down with disposable towels soaked in appropriate solvent by the Radiation Officer (or a designated chemist) wearing appropriate safety equipment (eg. gloves and mask). The work area will then be re-checked by another wipe test.

The above procedure will be repeated, if necessary, until level of activity is less than 200 dpm per 100 cm<sup>2</sup>.

2). Methods of Handling Waste -

All aqueous scintillation counting waste will be disposed of in the municipal sewer system, providing said waste does not exceed one (1) curie per year of C<sup>14</sup> or five (5) curies per year of H<sup>3</sup> (proposed amendment to 10 CFR 20.303).

All organic scintillation counting waste (xylene or toluene based) will be disposed of through contractual arrangement with Nuclear Sources and Services, Houston, Texas as per their instructions.

All solid waste (eg. empty scintillation vials, wipes, pipet tips, etc...) will be disposed of in normal manner along with PRI's trash (ultimate destination - sanitary landfill).

3). Handling of Packages Containing Radioactive Material -

Upon receipt of any package bearing a radioactive label, Shipping will notify the Radiation Officer and he (or a designated chemist) will transport the unopened package from shipping to the area designated for radionuclide use.

3). Handling of Packages Containing Radioactive Material (cont.) -


While wearing appropriate safety equipment (eg. gloves and mask) the above person will carefully open package and visually inspect to insure no leakage of contents has occurred.

Providing no leakage has occurred, package will be placed in heavy-walled glass desiccator and transferred to -20°C freezer for storage.

If above inspection procedure indicates that leakage has occurred, all package material will immediately be sealed in a glass jar and the supplier contacted for further instructions. If destruction of package is indicated, Nuclear Sources and Services will be contacted for information concerning destruction at their Houston, Texas facility.

4). General Laboratory SAFETY Procedure -

All laboratories at Philips Roxane, Inc. are inspected monthly by company officials (President, Vice-President, Personnel Director, or Plant Engineer). Any defects are corrected ASAP. A copy of our inspection report form is enclosed.



John R. Carpenter  
Radiation Protection Officer  
Philips Roxane, Inc.

JC/ka

cc: D. Jeter  
K. Johnson  
Dr. J. Zupan