



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
FOOD AND DRUG ADMINISTRATION

LOS ANGELES DISTRICT
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June 16, 1980

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U.S. NUCLEAR REG.
COMMISSION
NMSS MAIL SECTION

30-03665
Neil Gaeta
8-839-8700

U. S. Nuclear Regulatory Commission
Radioisotopes Licensing Branch
Division of Fuel Cycle and Material Safety
Washington, D. C. 20555

Gentlemen:

The following information is being submitted for a license amendment to Food and Drug Administration, Los Angeles District. License Number 04-09763-01.

Item 6: Individual User(s) - By-product material will be used by or under the supervision of the Laboratory Director or Supervisor (designated by appropriate training by Neil A. Gaeta, Consultant Health Physicist).

Item 7: Individual user is on-site RPO; Neil Gaeta, Certified Health Physicist EDRO/WEAC is consultant. Address; Winchester Engineer-and Analytical Center, 109 Holton St., Winchester, MA 01890.

Item 8: Licensed Material

- A. Element/Mass Number: Tritium, ^3H
- B. Chemical and/or Physical Form: Any
- C. _____
- D. Maximum Number Millicuries: 50 mCi
- E. Use - Laboratory Tracer Studies

Item 10: Radiation Detection instrument

- A. Liquid Scintillation Spectrometer
- B. Packard
- C. Model #3385
- D. One (1)
- E. Beta
- F. Sensitivity - 100 cpm

Item 11: Calibration is done using a standard of ^3H form NBS and counting in a 2 ml mini-vial geometry.

FEE EXEMPT

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Item 12: Personnel Monitoring Devices - None

Item 13: Facilities and Equipment

Studies will be performed in a hood which has a minimum air flow of 75 linear feet per minute. All work is done on trays with foil-lined absorbent paper. Individuals will wear lab coats and use disposable gloves. Liquid ^3H will be kept in a locked refrigerator/freezer. All areas will be placarded with Caution/Radioactive Material signs.

Item 14: Waste Disposal

All waste will be considered LSV material and will be discarded unopened and/or as solid refuse in absorbent material in a separate waste can. This material will be transferred to the RSO at UCLA for disposal in 55 gallon LSV barrels. Trace quantities of liquid wastes may be discharged into the sanitary sewer system at levels below Table II, Appendix B, 10 CFR 20.

Item 15: Radiation Protection Program

After working with more than ten (10) millicuries (10mCi), a swipe survey will be made of the hood surfaces to assure no significant contamination. If not, regular swipe surveys will be done quarterly. If an individual works with 25 mCi or more, a urine sample will be taken as soon after the work as possible, (within 24 hours).

Item 16/

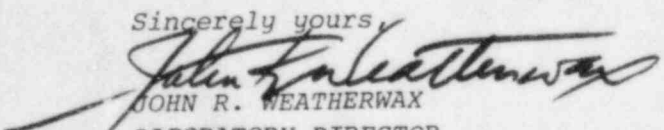
17: Formal Training/Experience

All individuals who work with the tritium will have received a minimum of two (2) days training in radiation protection covering subjects of Fundamentals of Radioactivity, Interactions, Basic Principle of Detection, Detection Systems, Basic Principles of Protection Biological Effects, and Lab Techniques for Safe Handling.

Workers with equivalent training will be reviewed and approved by the consultant health physicist.

Please advise if there are any further questions and I shall give them my immediate attention.

Sincerely yours,


JOHN R. WEATHERWAX
LABORATORY DIRECTOR

cc: N.A. Gaeta

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