



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

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OCT 10 AM 11 00

October 6, 1980

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

Dear Mrs. Solberg:

Following is the additional information you requested in your letter of August 25, 1980 to our amendment of License No. 04-09763-01. It represents some discussions between yourself and Neil Gaeta, our consultant Health Physicist.

Your Comment 1: Neil Gaeta is the consultant health physicist for all EDR0 facilities and provides overall guidance to our program. Milt Luke and Robert McDonald are the supervisor and principle user respectively in Los Angeles. They shall be considered the on-site responsible people.

Comment 2: The instrument was calibrated on site by Mr. Milt Kettle of Packard Instrument Company. This calibration will be monitored daily prior to counting with a Packard tritium standard of the following specification: $< 0.2 \mu\text{ci}$, 255,200 dpm, 27 Nov. 79. A written record of the cpm elicited by this standard will be kept in a bound notebook and significant deviation from prior readings will halt all work with tritium until the cause can be established. All counting will be done solely with the preset ^3H channel on the instrument, therefore no routine calibration will be done.

Comment 3: Waste disposal practices have been altered since the earlier request. All wastes will be contained in plastic lined 55 gallon drums. These drums will be stored in a segregated, locked area. A commercial company, Thomas Gray and Associates will be contracted to dispose of the barrels.

Comment 4: Swipe tests will be done using Whatman #1 filter paper on all incoming packages. They will be counted in the Liquid Scintillation Counter. The contamination limit will be twice the background count rate of the LSC per 100 square cm. A determination of the extent of contamination will be made and a decision made as to whether to decontaminate or dispose of the entire package. The supplier will be notified.

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release from HOD

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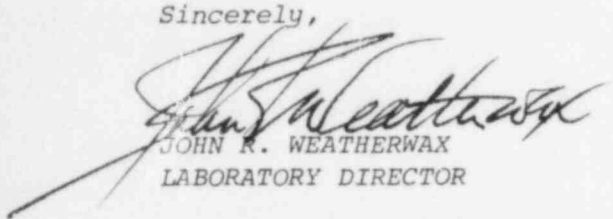
Comment 5: Area swipe surveys will be done using Whatman #1 filter paper and they will be counted in the LSC. A limit of twice background for a 100 cm² area will be used. Areas above this limit will be decontaminated using water and detergent.

Comment 6: See attached diagram.

Comment 7: Although the license calls for up to 50 mCi of tritium, the principle material used will be tritiated thymidine (or other nonvolatile tritium compounds) purchased in 5-10 mCi quantities. The bulk of this will be stored in the refrigerator and aliquots of up to 100 μ Ci will be used in an experiment. Since this material is not volatile, scrubbers in the hoods are not deemed necessary.

Comment 8: As in comment 7 since tritiated thymidine and other nonvolatile compounds will be used, an air sampling program would not be necessary at this time.

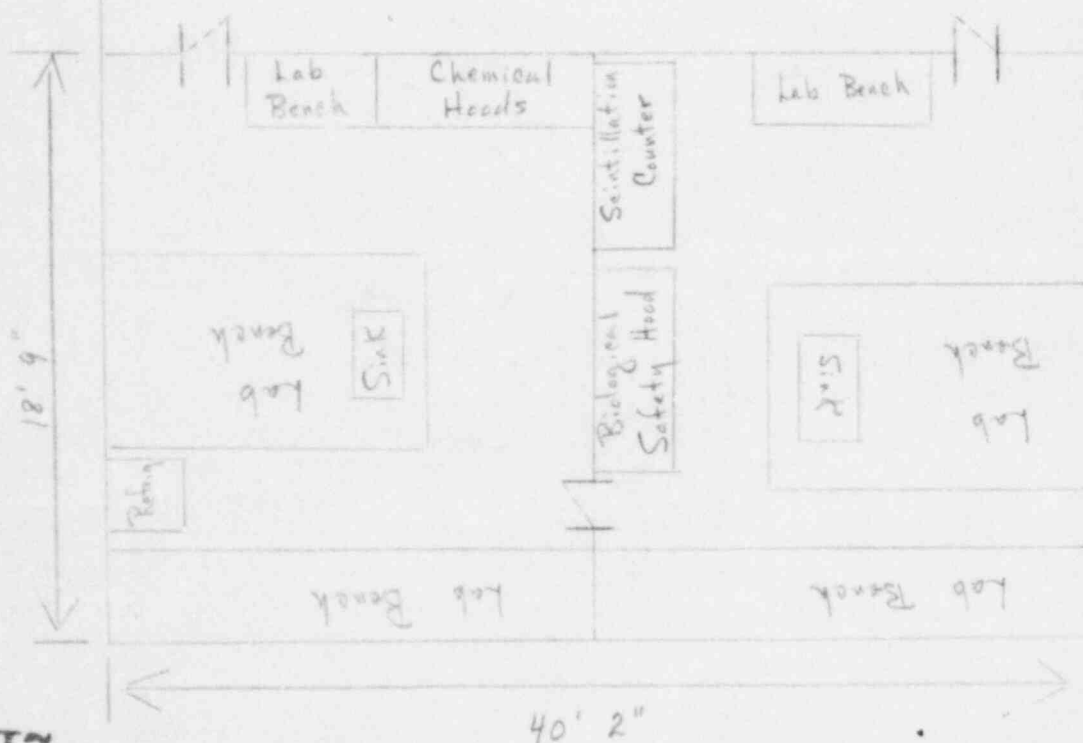
Sincerely,



JOHN R. WEATHERWAX
LABORATORY DIRECTOR

cc: Neil A. Gaeta, WEAC

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Main
Microbiology Laboratory