



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE

Auke Bay Laboratory

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January 9, 1987

Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 1000
Walnut Creek, Ca. 94596

Dear Ms. Riedlinger:

In response to your letter of December 15, 1986, mail control # 70492, we propose the following:

1) A portable survey meter from Eberline Model ASP-1 with a HP-210 AL pancake probe will be used for C-14 monitoring. A LEG1 probe will be used for I-125. There are no meters readily available to monitor low levels of H-3. Instrument will be calibrated by Eberline every six months if we are using isotopes or monitoring the decay of wastes. Wastes will be surveyed monthly to determine that they are not above background for I-125. C-14 and H-3 will be disposed of by evaporation into the air or disposal in the sewer system not to exceed NRC regulatory levels.

2) Wipe tests will be performed on bench tops, tanks, working areas, floors, and in disposal areas quarterly in locations that the isotopes are used (see attached diagram). For I-125 we will use commercial swab pads and count the pads in an Abbott Auto Logic gamma counter which has an efficiency of 35%. C-14 and H-3 will be monitored by wiping a 10 sq cm surface using Q-tips dipped in toluene then counting the samples in a Beckman model LS-00C scintillation counter with efficiencies of 20% for H-3 and 60% for C-14. All areas used with isotopes will also be monitored monthly when isotopes are being used, by the previously mentioned survey meter. If contamination is found by either method the area will be cleaned using Radiacwash pad manufactured by Atomic Products Inc. then resurveying the area to confirm decontamination. Wipe tests will be done by Sid Korn.

3) All records will be kept in a notebook including date of wipe test, area surveyed, results of the survey and calibration test done on the instruments.

Sincerely,

Dr. George R. Snyder
Laboratory Director

Attachment

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REG5 LIC30
50-16908-01 PDR

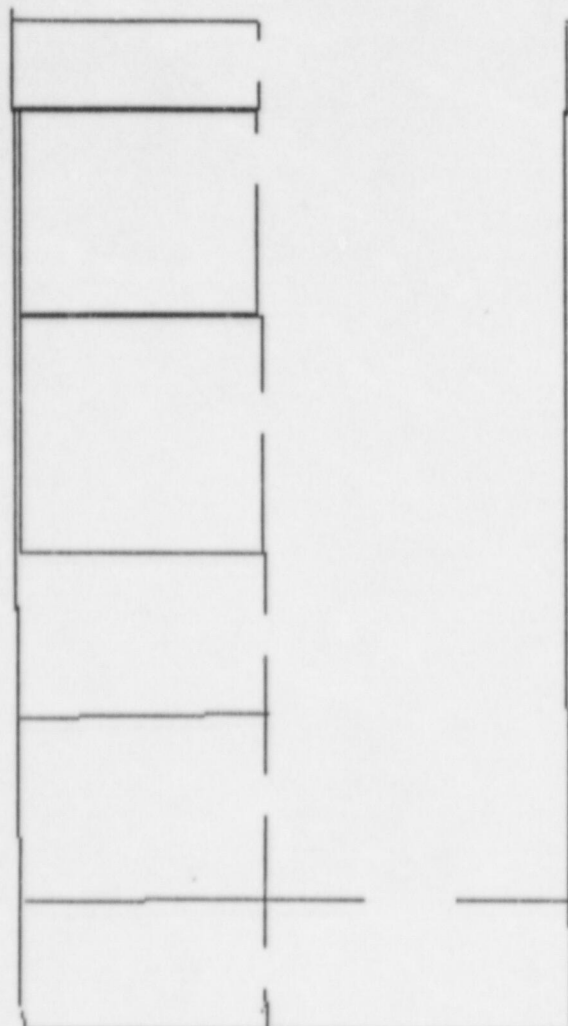
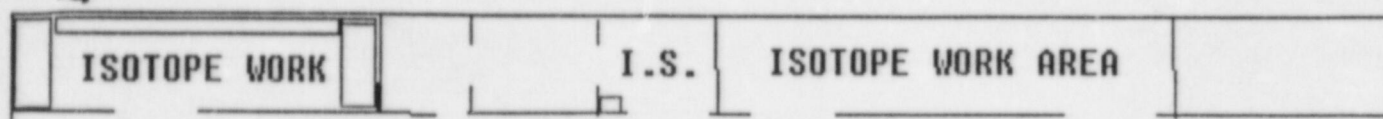
REGION V I&E

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I.S.=ISOTOPE STORAGE AREA
WIPE TEST WILL BE DONE IN THE STORAGE
AND WORK AREAS MARKED

AUKE BAY LABORATORY 1ST FLOOR

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