

APR 25 1985

Docket No.: 030-18926  
License No.: 46-19584-01  
Control No.: 70182

V. A. Medical Center  
American Lake  
Tacoma, Washington 98493

Attention: Mr. William E. Claypool  
Medical Center Director

Gentlemen:

This is in reference to your letter dated March 25, 1985 for an amendment to your byproduct material license. In order to complete our review, we need the following additional information:

1. You should submit a more complete description of your bioassay program for individuals using millicurie quantities of radioactive iodine. You should include the type of bioassays (thyroid count, urine count, whole body count, etc.), the criteria and frequency for performing bioassays, and the type of action taken when positive results are obtained. For your assistance, we are enclosing the iodine bioassay guide which contains criteria for performing bioassays that we find acceptable.
2. In support of your request for 15 millicuries of phosphorus-32, you should develop and submit special safety instructions to be provided to individuals using millicurie quantities of P-32. We recommend that your procedures include, but not be limited to, the following:
  - a. The use of low density shielding (e.g., plexiglass) in order to keep Bremsstrahlung radiation at a minimum.
  - b. A mandatory radiation survey and wipe test procedures after each use.
  - c. The use of finger type extremity monitors for procedures that involve 1 millicurie or more.
  - d. The use of a dry run prior to the performance of unfamiliar procedures in order to preclude unexpected complications. In addition, it is recommended that the radiation protection officer be present during new procedures.

e. ~~The use of eye protection for procedures that involve 10 millicuries or more.~~

OFFICE	RV <i>PAR</i>						
SURNAME	Riedlinger/cb	8507180568	850524				
DATE	4/25/85	REQ LIC30					
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We will continue the review of your license amendment request upon receipt of this information. You should submit your response within thirty (30) days from the date of this notice. Please reply in duplicate, and refer to Mail Control No. 70182.

Sincerely,

*Beth A. Riedlinger*  
BA Riedlinger

Beth A. Riedlinger  
Health Physicist (Licensing)  
Nuclear Materials Safety Section

Enclosures:  
Applications of Bioassay for I-125 and I-131