

File

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Boehringer Mannheim Corporation
Biochemicals Division
ATTN: Kevin Kearney, Ph.D.
Radiation Protection Officer
7941 Castleway Drive
Indianapolis, IN 46250

License No. 13-24471-01

Re: Application Dated March 11, 1985 for an NRC License

Gentlemen:

In order to complete your licensing request, it will be necessary for you to submit the following information:

1. Procedures for Ordering, Receiving, and Opening Packages Containing Radioactive Material

- a. Please describe your procedures for ordering radioactive material, and for receipt of materials during normal working hours and during off-duty hours. The procedures should be adequate to ensure that possession limits are not exceeded, that radiation levels in unrestricted areas do not exceed those specified in 10 CFR 20.105, and that radioactive materials are secured against unauthorized removal at all times. It is preferable that all radioactive materials be ordered by one person and received in one location so that they may be reliably accounted for and surveyed expeditiously.
- b. Please also describe procedures for safely opening packages containing radioactive materials. These procedures should include instructions to wear gloves, check package for damage or leakage, wipe test the final source container, and monitor the packing material for contamination prior to disposal. You should also include your procedures for handling packages that are leaking or contaminated.

2. General Laboratory Instruction

Please submit a copy of your general laboratory safety rules and confirm that these safety rules will be posted in areas where radioactive materials will be used and stored. We have enclosed a one-page "Guide for Drafting Radiation Safety Instructions for Laboratory Use of Radioisotopes" for your review, and request that your procedures incorporate the recommendations contained in this guide.

3. Area Surveys

Please be advised that an adequate number of surveys at intervals frequent enough to prevent unnecessary exposure or spread of contamination should

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be performed. We request that you reconsider your proposed survey program and modify it to include a survey of areas where phosphorous-32 is used, as a minimum, upon completion of the experiment.

4. Radiation Protection Officer

Submit a description of the duties and responsibilities of your Radiation Protection Officer (RPO). Typical duties of an RPO should include the following:

- a. To ensure that the use of radioactive material is by or under the direct supervision of individuals specifically listed on your license.
- b. To ensure that all users (where appropriate) wear personnel monitoring equipment when using radioactive materials.
- c. To ensure that radioactive materials are properly secured against unauthorized removal at all times when not in use.
- d. To perform routine inspections of all laboratories using or storing radioactive materials.
- e. To ensure that the terms and conditions of your license are met, and that all required records are maintained.

If you have any questions or require clarification on any of the information stated above, you may contact us at (312) 790-5625.

We will continue our review of your application upon receipt of this information. Please reply in duplicate, within 30 days, and refer to Control Number 78505.

Sincerely,

Original Signed By
Patricia J. Whiston
Materials Licensing Section

Enclosure: As stated

RLLI

Whiston/jl
4/12/85