



Ron Lennox, CEO
BioRelix, Inc.
25 Science Park at Yale
150 Munson Street
New Haven, CT 06511

August 6, 2007

Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415
Attention: Elizabeth Ullrich

Q-5
MS-16

RECEIVED
REGION 1

2007 AUG - 8 AM 10:36

SUBJECT: BIORELIX, INC RESPONSE TO THE REQUEST FOR ADDITIONAL
INFORMATION CONCERNING APPLICATION FOR NEW LICENSE
(CONTROL NO. 140774)

06-31263-01 03037508

Dear Ms. Ullrich,

This letter is in reference to your request for additional information regarding BioRelix, Inc. application for a new NRC license.

1.
 - a. The correct information for Item 5 and Item 6 is: BioRelix, Inc. requests the use of unsealed material, P-32 in any chemical or physical form for labeling and *in vitro* studies.
 - b. The total P-32 activity requested (including in-storage waste) is 25 millicuries (mCi).
 - c. BioRelix, Inc. radiation safety procedures will be developed before receipt of licensed material with the consideration of the following special procedures, based on our request for (total in-storage waste and new isotopes) more than 1 millicurie (mCi) of P-32 and its use in labeling.
 - i. We will use low density shielding (3/8" plexiglass) in order to keep Bremsstrahlung radiation to a minimum.
 - ii. A mandatory radiation survey of the working area using GM Pancake Detector will be performed after each use of isotope. Additionally, if the amount will involve 1 millicurie (mCi) or more in a single experiment the wipe test for radioactive contamination of the working area will be performed and documented.

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NMSS/RGN MATERIALS-002

- iii. Film dosimeters (film badges) will be used while working with any amount of radiation. The amount of P-32s used per one experiment will never involve 1 millicurie (mCi) or more, therefore we do not expect to issue extremity monitors. In the event that an individual must use 1 mCi or more, extremity monitors will be utilized.
- iv. A dry run prior to the performance of unfamiliar procedures will be performed in order to preclude unexpected complications.
- v. Eye protection will be used for procedures that involve handling 10 millicuries (mCi) or more.

2. Izabela Puskarz:

- a. The quantities of licensed materials (P-32) used in the past per single experiment were less than 1 millicurie (mCi).
- b. The duration of experiments using less than 1 millicurie (mCi) did not exceed 48 hours.

Kenneth F. Blount, PhD:

- a. The quantities of licensed materials (P-32) used in the past per single experiment were 1 millicurie (mCi) or less.
- b. The duration of experiments using 1 millicurie (mCi) or less did not exceed 48 hours.

- 3. BioRelix, Inc. will be available during normal business hours at the proposed facilities to discuss the application.

If you have any other questions or concerns please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Ronald Lennox", with a stylized, cursive script.

Ronald Lennox

Certificate of Training

Awarded To

Izabela Puskarz

Recognizing completion of 40 hours of specialized instruction in

Radiation Safety Officer

July 27, 2007

Presented By

Radiation Safety Academy
481 North Frederick Avenue, Suite 302
Gaithersburg, Maryland 20877

AAHP has awarded this course 32 Continuing Education Credits, 2007-00-031

ABIH has awarded this course 4.5 CM Points, CM Approval # 07-550

ARRT and SNMT has awarded this course 52.25 CEHs, 024073-024077



Raymond Johnson, MS, PE, FHPS, CHP
Academy Director

