UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

15 DEC 1986

Docket No. 030-29575
Control No. 119933

Dianon Systems, Inc.
ATTN: Phillenore D. Howard
Director, Laboratory
555 Lordship Blvd.
Stratford, CT 06497

Gentlemen:

This is in reference to your application dated September 20,1986, for a byproduct material license. In order to continue our review, we need the following questions answered:

1. Submit your procedures for receiving incoming packages of I-125. In addition, submit your procedures for surveying the packages prior to opening (refer to 10 CFR 20) and your method of wipe testing the final source containers for contamination after removing the outer packaging.

2. Specify the action levels of contamination, above which will cause you to start decontaminating the areas where the I-125 contamination is found on. In addition, submit a sample calculation, describing how you will convert cpm to units of dpm (or microcuries) and confirm you will record all contamination wipe counts in units of activity per unit area. Enclosed is a guide (Regulatory Guide 8.23) to assist you in formulating your response.

3. Radiation safety procedures in your RIA lab need to include additional precautions. Accordingly, please confirm the following:

   a) Mouth pipetting of radioactive materials is strictly prohibited.

   b) No drinking, eating, application of cosmetics or storage of personal effects in areas where radioactive material is used or stored will be allowed.

   c) No storage of food, drink or personal effects with radioactive will be allowed.

   d) Laboratory coats or protective clothing shall be worn at all times while in areas where radioactive materials are used.

   e) Radioactive solutions will be confined in covered containers, plainly identified and labeled, with the name of the compound, radionuclide, date and activity.

   f) Hands and clothing will be monitored for contamination after each procedure or before leaving the area.

8705150383 870227
REG1 LIC30
05-23655-01 PDR

"OFFICIAL RECORD COPY"

ML10

15 DEC 1986

4. Specify the radiation detection instrument you will use to monitor hands and clothing for contamination.

5. Describe your methods for controlling the sewage disposal of radioactive wastes in order to ensure that disposals do not exceed the limits specified in Section 20.303 of 10 CFR Part 20 (enclosed).

We will continue our review of your application upon receipt of the above information. Please reply in duplicate, referencing Control No. 119933. In order to continue prompt review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter.

Sincerely,
Original Signed By:
Jenny M. Johansen

John E. Glenn, Ph.D., Chief
Nuclear Materials Safety Section B
Division of Radiation Safety and
Safeguards

Enclosures:
1. Regulatory Guide 8.23
2. 10 CFR 20

RI:DRSS
Varela
12/11/86

RI:DRSS
Glenn
12/12/86

OFFICIAL RECORD COPY