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

19 NOV 1987

Docket No. 030-30247
Control No. 107925

Alcor Therapeutics
ATTN: Michael Osband, M.D.
Executive Vice-President
& Chief Technical Officer
1256 Soldiers Field Road
Brighton, MA 02135

Gentlemen:

This is in reference to your application dated September 21, 1987, for a byproduct material license for R & D work. In order to continue our review, we need the following questions answered:

1. You have requested multi-millicurie quantities of radioisotopes, but have stated in another part of your application that you "will only be using small quantities of RIA kits". Specify the maximum anticipated amounts of H-3, C-14, S-35, Cr-51, and I-125 you intend to handle at any one time and to receive in a single container and justify your request for much larger possession limits.

2. Regarding your safe laboratory working procedures:

   (a) Confirm that each person leaving the radioisotope work areas will monitor their hands and clothing with a suitable survey meter at the end of each work day.

   (b) Confirm that application of cosmetics nor storage of food and drink will not be allowed in areas radioisotopes are being stored or handled.

   (c) Confirm that all containers containing radioisotopes will be properly labelled, identifying the type, form and quantity of isotope(s) in them.

3. For your area wipe survey procedures, define the trigger levels of contamination you will set, above which you will initiate decontamination procedures. Refer to the enclosed guide (Regulatory Guide 8.23). In addition, specify the frequency of your area surveys.

4. When handling quantities of unsealed I-125, greater than 1 mCi during a 3 month period, under a fume hood, a bioassay program is generally required. Submit your bioassay program (guide enclosed) for I-125, or confirm that individuals handling I-125 under a fume hood will not handle quantities (over a 3 month period) greater than 1 mCi.





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5. Submit your procedures for receipt of incoming packages of radioactive material, and your procedures for safely opening same. Refer to Section 20.205(d) of 10 CFR 20 (enclosed).

We will continue our review of your application upon receipt of the above information. Please reply in duplicate, referencing Control No. 107925. If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application.

Sincerely,

Original Signed By:
John E. Glenn

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

Enclosure:
1. Regulatory Guide 8.20
2. Regulatory Guide 8.23
3. 10 CFR 20

RI:DRSS
Varela
11/6/87

RI:DRSS
Glenn
11/18/87

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