

2

JUL 11 1985

Illinois Racing Board Laboratory
ATTN: Dr. Paul Weidenbach, Ph. D.
EMHC-Mendel Building
750 South State St.
Elgin, IL 60120

Reference: Your Application dated April 22, 1985, to Renew NRC License
No. 12-13493-01

Gentlemen:

In order to continue our review, we need additional information on the following items:

1. Material

Please specify the model number of the detector cells you wish to possess and use in your Perkin Elmer Sigma 2000 gas chromatographs. We cannot locate Model Number 0000204 in our device registry as a detector cell that has been reviewed and approved for licensing purposes by the NRC or an Agreement State. We do have detector cell model numbers 030-0119 or 330-0119 listed for Sigma Series gas chromatographs.

2. Please specify the range and type of portable survey meter you have available and the method and frequency of calibration, since a March 11, 1982 letter you submitted to us (copy enclosed) indicates that you would be purchasing a new one. For calibration, you may return the instrument to the manufacturer or utilize the services of a firm approved for calibration of instruments by the NRC or an Agreement State. If you will utilize such a firm, please submit its name, address, and license number.

3. Authorized Users

- a. In order to add Dr. Paul Wiedenbach as a user, you will need to indicate the topics that were covered in the radiation safety course he completed at the University of Oklahoma. In addition, please clarify whether or not his experience included use of radioactive materials in animals.
- b. In order to add Dr. Vivian Dee Bass or Mr. Dan Daszkowski, you will need to indicate the type of training they have received in basic radioisotope handling techniques. The training should have covered the topics specified in Items 16 and 17 of the enclosed guide. In addition, please submit documentation of each individual's experience with the types and quantities of materials he/she desires to use. This experience may be obtained under the supervision of any individual authorized to use such material at your facility.

8512020051 851101
REG3 LIC30 PDR
12-13493-01

4. Leak Testing of Your Gas Chromatographs

Your application indicates that "wipe tests" will be performed by Nuclear Sources and Services. Please clarify if they will actually obtain the wipe samples or if you will be using a "kit" to collect samples and sent to them for analysis.

5. Ancillary personnel (clerical, housekeeping, security, etc.) whose duties may require them to work in the vicinity of radioactive material (whether escorted or not) need to be informed about radiation hazards and appropriate precautions. Outline your method to assure that these employees receive the necessary instructions. Confirm that this instruction will be given both initially and annually thereafter on a refresher basis.

6. Intended Use of Material

It appears that you inject prelabelled compounds into horses for tracer studies and collect samples for analysis in your laboratory. If our assumption is correct, you will need to describe the following:

- a. The animal's housing facilities.
 - b. The instructions provided to animal caretakers for handling of animals, animal waste, and cleaning and decontamination of stalls.
 - c. Your method of access control to areas that may become contaminated by the animals during studies.
7. Please specify the name, qualifications, and duties of the individual who will function as your Radiation Safety Officer.

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 78797.

Sincerely,

Original Signed By
Bruce S. Mallett, Ph.D.
Materials Licensing Section

Enclosures:

1. March 11, 1982 letter
2. Regulatory Guide 10.7

RIII

Mallett/jl
5/24/85