



ANDREWS
UNIVERSITY

March 7, 1988

United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Renewal of License Number 21-11654-03 for Andrews University

Gentlemen:

After reviewing our previous license application and documents supplied in support of the above mentioned license as referenced in Amendment 4, I find that with a single modification they fairly and accurately represent the radioisotope use program on this campus. Therefore, this letter and accompanying documents along with our previous application and letter should provide the information for the review of our license.

Modification:

Because radioisotopes are not used on a continuous basis in any research laboratories on the campus, we would like to modify our radiation survey program so the Radiation Safety Officer (RSO) makes monthly surveys only during the time when radioisotopes are being used. It will be the responsibility of the Responsible Users (RU) to notify the RSO prior to first use so the laboratory can be monitored, the RU or designee will monitor frequently, during their use of radioisotopes, and the RSO will monitor monthly. Both RSO and RU will maintain permanent records of monitoring.

We also wish to make the following addition to our license.

Addition:

Element and
mass number

Chemical and/or
Physical Form

³⁵S

any

EC

20

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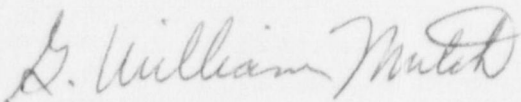
Use of Licensed Material

³⁵S Sequencing of DNA structure

✓ Additional facilities in the Biology Department where licensed materials (³⁵S) will be used are Price Hall rooms B-237, B-314, and B-316. Duplicate sketches of these rooms are included.

Point of Information: Dr. James Hayward, Professor of Biology, who is planning to use the ³⁵S has never used nor had training in the use of radioisotopes. However, he will be taking a course this summer on the technique of DNA sequencing using radioactive materials. His usage of radioactive materials will not begin until after he has taken this course, set up the necessary equipment, and we have received appropriate authorization. In addition, Dr. John Stout, who is an authorized user on our license, and also Chairman of the Biology Department, has agreed to supervise the use of ³⁵S until Dr. Hayward has received adequate training to be included on the license. This is in agreement with a phone conversation with the Region III office on March 1, 1988 in which it was recommended that we not seek to have Dr. Hayward included on the license, that we indicate who would be using the material, and that he receive between 20 to 40 hours of training before requesting his inclusion on the license via an amendment.

Cordially,



G. William Mutch
Associate Professor of Chemistry
Chairman, Radiation Safety Committee
(616) 471-3248 or 471-3247

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