



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

National Institutes of Health  
Bethesda, Maryland 20892  
Building : 21  
Room : 110  
(301) 496-2254

December 1, 1987

U.S. Nuclear Regulatory Commission  
Division of Radiation Safety and Safeguards  
Region 1  
631 Park Avenue  
King of Prussia, PA 19406

Reference: License No. 19-00296-10

Dear Sir or Ms.:

An amendment is requested to the above-referenced license to permit the use of byproduct material in a laboratory facility leased by the National Institutes of Health at 12441 Parklawn Drive, Rockville, Maryland. This building is located approximately 4 miles from the main campus of the NIH. All procedures, requirements and guidelines for the safe use and disposal of licensed materials, training of radiation workers, personnel and environmental monitoring, authorized users, shipping and receiving of material, etc., that are in effect for existing authorized locations of use will also be observed for use of byproduct material at this new facility.

The entire building is leased and under the control of the NIH. All biomedical research activities will be conducted on the second floor of this two-story building. In accordance with the leasing agreement, the lower level will be used by the Smithsonian Institution for artifact storage until 1990. Access to the second level from the lower level is precluded by doors which remain locked.

The rooms on the second level of this facility are currently being remodeled by the NIH for the conduct of biomedical research using tracer levels of radioactive materials. Current plans are for the use of radionuclides in rooms number 69-105 as shown on the enclosed diagram; the other areas will be used for offices and other purposes. The laboratories are well designed for work with radioactive materials. They are spacious, well ventilated and lighted. The bench tops and floor surfaces will be covered with readily cleanable material. Six chemical fume hoods are available for the conduct of experiments which may require the use of a fume hood. A facility for performing iodinations of

**FEE EXEMPT**

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proteins and other macromolecules will be located in room 77. This iodination facility will be equipped with a charcoal-filtered plastic enclosure ("iodination box") placed within a chemical fume hood. A Radiation Safety-approved written protocol, committing the users of this iodination facility to the same specific procedures required of users of iodination facilities on the main campus, will be required for any iodination.

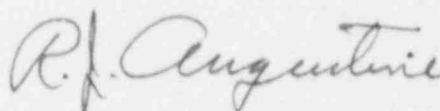
The new facility will be provided with NIH security and housekeeping services. Laboratory and service personnel will receive appropriate training concerning the hazards and precautions associated with radioactive materials, in accordance with the requirements of 10 CFR 19. A health physicist from the Radiation Safety Branch, Division of Safety, NIH will be assigned radiation safety oversight responsibility for this facility. The laboratories will be provided the same high level of surveillance and associated health physics services as are the other facilities encompassed by License No. 19-00296-10.

Currently the use of byproduct materials at this facility is under an agreement state license issued by the State of Maryland to Georgetown University. NIH personnel at the facility are working in collaboration with Georgetown staff, and are subject to the purview of the Georgetown Radiation Safety Program. In anticipation of the change to an NIH facility and to the NIH NRC license, the NIH Radiation Safety staff have been working with the Georgetown University staff to facilitate a smooth radiation safety transition. This includes implementing NIH radiation safety policies and procedures now for the radiation workers so that there will be no significant changes in requirements when NIH assumes control.

Georgetown University is requesting removal of this facility from their Maryland license effective January 22, 1988. It is requested that this new authorized location of use be added to License No. 19-00296-10 also effective January 22, 1988. Georgetown University will remove any licensed radioactive materials from this facility prior to January 22, 1988, or transfer such materials to the NIH at the time that NIH assumes licensed control of the facility.

With the scheduled date of transfer of this facility to the NIH rapidly approaching, it is obviously critical that prompt consideration be given to our request. Please contact me at (301-496-2254) if additional information is required.

Sincerely,

A handwritten signature in cursive script, reading "R. J. Augustine".

R. J. Augustine, Ph.D.  
Radiation Safety Officer, NIH

Enclosure

cc: Dr. Jacob Robbins, Chairman, NIH Radiation Safety Committee  
Dr. J. E. Rall, Deputy Director for Intramural Research  
Dr. Robert McKinney, Director, Division of Safety  
Ms. Catherine Sabo, Administrative Officer, NIAID  
Mr. Bruce Fernie, Assistant Director for Research, Division  
of Molecular Virology and Immunology, Georgetown University  
Mr. Roland Fletcher, Director of Radiation Control, MD

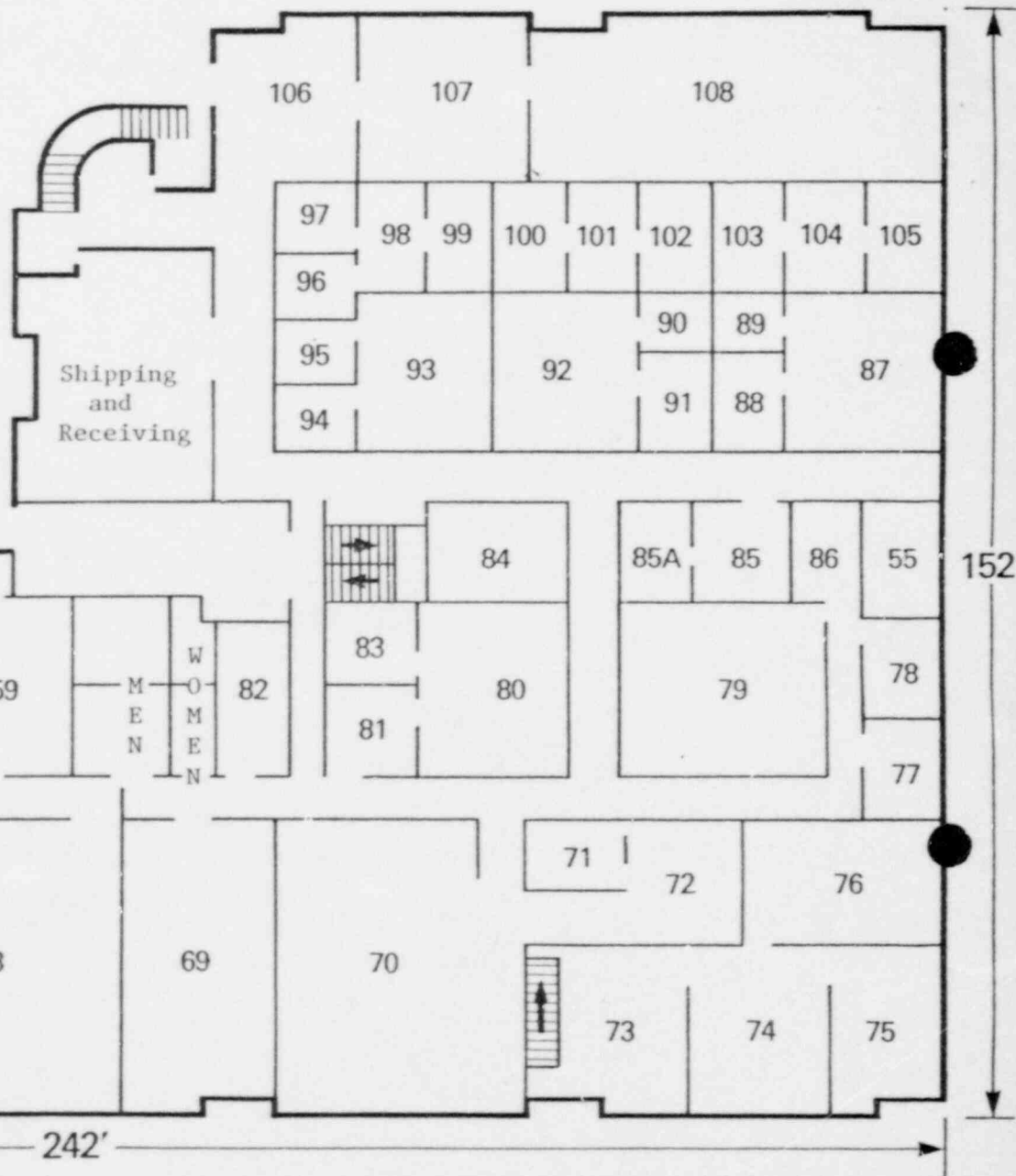
# 2nd FLOOR TWINBROOK II

12441 PARKLAWN DRIVE

ROCKVILLE, MD

Ref: License No 19-00296-10

Amendment Request Dated 12/01/87



152'

242'

108149

71'

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BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

: (FOR LFMS USE)  
: INFORMATION FROM LM  
: -----  
:  
: PROGRAM CODE: 02110  
: STATUS CODE: 2  
: FEE CATEGORY: EX 76  
: EXP. DATE: 19860831  
: FEE COMMENTS: -----  
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LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: HEALTH & HUMAN SERV., DEPARTMENT OF  
RECEIVED DATE: 871207  
DOCKET NO: 3001736  
CONTROL NO.: 108149  
LICENSE NO.: 19-00296-10  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: -----  
CHECK NO.: -----

3. COMMENTS

SIGNED  
DATE

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4. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED /

1. FEE CATEGORY AND AMOUNT: -----

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT -----  
RENEWAL -----  
LICENSE -----

3. OTHER -----  
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SIGNED  
DATE

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