

BIOGEN

030-19268

September 6, 1988

Ms Jenny Johansen
 Nuclear Materials Safety Section B
 Division of Radiation Safety and Safeguards
 United States Nuclear Regulatory Commission
 Region I
 631 Park Avenue
 King of Prussia, PA 19406

Log	Oct. 10 ^I
Remitter	
Check No.	055233
Amount	8720
Fee Category	3M
Type of Fee	AMD
Date Check Rec'd.	10/12/88
Date Completed	10/12/88
By:	J. Kimbly

RE: URGENT AMENDMENT

Dear Ms Johansen,

This letter concerns an amendment to the Materials License of Biogen Research Corporation (License # 20-19808-01), whose facilities are located in Cambridge Massachusetts. Due to some personnel changes within the organization, as well as some new research projects, we would like to request the following changes be made to our license as urgently as possible.

- Section 8 : Increase tritium possession limit to 750 millicuries.
- Section 10: Add 337 Vassar Street, Cambridge, Massachusetts
- Section 11: Delete Alfred Vaz, Jr.
 Add Douglas Lord (CV is attached)

Mr Vaz recently left Biogen and I have replaced him as the Radiation Safety Officer. Attached you will find documentation describing my training and qualifications.

The increase in our possession limit for tritium is related to the leasing of a new laboratory facility located at 337 Vassar Street, Cambridge, Massachusetts. This laboratory was previously licensed by the NRC while under the operation of Baxter-Dade Corporation. This facility is a BL3 laboratory, as defined by NIH, and will be used by Biogen for Quality Control and research for our AIDS therapeutic. In order to supply this therapeutic as soon as possible to those in need, Biogen would like to request an expeditious review of this amendment application.

9001190160 BB1115
 REG1 LIC30
 20-19808-01 PDR

109588

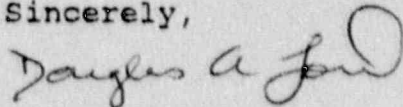
OFFICIAL RECORD COPY ML 10

SEP 16 1988

BIOGEN

Enclosed please find a check for \$120 as required by 10 CFR 170.31. If you have any questions or require further information, please call me at 617-864-8900. I would like to request that your office contact me by phone when this amendment has been reviewed so we can make the final arrangements to begin operations. Also, thank you in advance for your assistance in a timely review of this application.

Sincerely,



Douglas A Lord
Manager, Safety and Environmental Health

Enclosures

CURRICULUM VITAE
DOUGLAS A LORD

ACADEMIC RECORD

Pursuing - MSCE in Environmental Health Engineering, Tufts University, Medford, MA. Course work completed, thesis defense expected late Fall 1988.

B.S., Geology, Skidmore College, Saratoga Springs, New York. 1977.

INDUSTRIAL EXPERIENCE

Tufts University, Medford, MA
Business Manager, Department of Chemistry. Oct 1987 to April 1988. Responsible for the functioning of the Chemistry Department, Program Development, Fundraising, and Grant Management.

Lab Safety Specialist, Department of Safety and Risk Management. Oct 1985 to Oct 1987. Responsible for all laboratory safety and environmental programs. Designed and conducted environmental sampling. Audited Health Physics services provided by New England Medical Center. Member of all University Radiation Safety Committees. University Biosafety Officer. Managed all waste disposal programs.

Environmental Sciences Associates, Bedford, MA.
Regulatory Affairs/Quality Assurance Manager. Jan 1984 to Sept 1985. Responsible for Corporate environmental and safety programs. Directed environmental assessment programs. Managed Quality Control function and maintained regulatory compliance. Provided consulting expertise in radiological monitoring and surveillance.

Corning Medical and Scientific, Medfield/Walpole, MA.
Supervisor of Safety and Compliance. June 1981 to Jan 1984. Responsible for all Division safety and regulatory compliance issues. Functioned as Biosafety and Radiation Safety Officer. Managed the Process Management System, maintained strict process and product control.

New England Nuclear, Billerica, Massachusetts. Health Physics Technologist. August 1979 to June 1981. Responsible for dosimetry, air sampling and area surveys. Monitored exposures during maintenance on particle accelerators. Designed and implemented environmental monitoring programs. Packaged waste and received incoming shipments of radioactive materials.

RESEARCH

Graduate Work - Study of the Commercial Feasibility of Current Bioremediation Techniques. A multidiscipline evaluation of the technological feasibility of using various bacteria to clean up in situ hazardous wastes.

Graduate Work - Study of the Applicability of Laser-Induced Fluorescence to Monitor Volatile Organic Contamination in Groundwater.

Undergraduate Work - Structural Analysis of Sediments in the Bering Sea. Work was done in conjunction with Amoco Research Corporation.

PROFESSIONAL MEMBERSHIPS

Member - American Chemical Society
Member - American Nuclear Society
Member - Health Physics Society

Section 16 - Formal Training in Radiation Safety

- a) New England Nuclear Radiation Protection Department, 1979
New England Nuclear Health Physics Certification Program,
1979 - 1981
Frank Masse Associates, Tufts University, 1987
- b) New England Nuclear Radiation Protection Department, 1979
New England Nuclear Health Physics Certification Program,
1979 - 1981
Frank Masse Associates, Tufts University, 1987
- c) New England Nuclear Radiation Protection Department, 1979
New England Nuclear Health Physics Certification Program,
1979 - 1981
Frank Masse Associates, Tufts University, 1987
- d) New England Nuclear Radiation Protection Department, 1979
Environmental Health Engineering, Tufts University, 1986
Frank Masse Associates, Tufts University, 1987

RADIOISOTOPES HANDLED

<u>ISOTOPE</u>	<u>MAX QTY</u>
Am241	.010 Ci
C 14	1.000 Ci
Cs137	.300 Ci
Co 57	.100 Ci
Ga 67	1000.000 Ci
H 3	100.000 Ci
I 125	10.000 Ci
I 129	.005 Ci
I 131	1.000 Ci
In111	15.000 Ci
P 32	100.000 Ci
S 35	.100 Ci
Sr 90	.100 Ci
Tc99m	100.000 Ci
Tl201	1000.000 Ci

Multiple other isotopes were handled in the course of radiological surveillance and waste packaging operations during my employment with New England Nuclear. Exact isotopes and quantities are not known.

Extensive survey and bioassay experience associated with cyclotron operations for the production of Ga67, In111, and Tl201.

109588

16 SEP 1988

OFFICIAL RECORD COPY ML 10

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

PROGRAM CODE: 03620
STATUS CODE: 0
FEE CATEGORY: 3M
EXP. DATE: 19920229
FEE COMMENTS:

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: BIOGEN RESEARCH CORP.
RECEIVED DATE: 880916
DOCKET NO: 3019268
CONTROL NO.: 109588
LICENSE NO.: 20-19808-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: \$120
CHECK NO.: 255255

3. COMMENTS

Urgent

SIGNED
DATE

[Signature]
9/22/88

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1-1)

1. FEE CATEGORY AND AMOUNT: 3M \$120

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

AMENDMENT _____
RENEWAL _____
LICENSE _____

3. OTHER _____

SIGNED
DATE

[Signature]
10/12/88