

THE UNIVERSITY OF CHICAGO  
RADIATION PROTECTION SERVICE  
5841 SOUTH MARYLAND AVENUE  
CHICAGO - ILLINOIS 60637  
(312) 962-6299

U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

April 25, 1985

Gentlemen:

This is a request to amend byproduct material license 12-509-3 to provide for an increase in half lives of materials that can be stored for decay, and to change the frequency of surveying the storage facility. Also, we are updating the membership of our committee.

Amendment number 38 to license 12-509-3, dated Feb 2, -1981, permits storage for decay of isotopes with half lives of 60 days or less. We respectfully request approval to store for decay all licensed material with half lives of 90 days or less. A copy of Kenneth Dam's letter, dated January 16, 1981, describing the facility and procedures is enclosed. We also request approval to increase the interval for monitoring the storage facility from weekly to monthly. The type of materials stored and the level of activity do not require weekly surveys.

Also, with respect to all the university's NRC licenses, 12-509-3, 12-509-7, 12-509-8, SNM 1027, and 12-1721-2, please update the membership of the University Committee on Radiation Hazards with the addition of Dr. Frank Fitch, Eugene Goldwasser, and Lucia Rothman-Denes. A brief biography for each of these new members is attached. The following names should be deleted from the previous list of committee members: William B. Cannon, Dr. John Fennessy, and Roy Mackal. The current members are as follows:

Nathan Sugarman, Chairman  
Isaak D. Abella  
Dr. Leslie DeGroot  
Dr. Frank Fitch  
Eugene Goldwasser  
Dr. Clifford Gurney  
Lucia Rothman-Denes  
Samuel D. Golden, ex officio  
Edward W. Mason, ex officio  
Walter E. Massey, ex officio  
Norman H. Nachtrieb, ex officio

Dept of Chemistry  
Dept of Physics  
Dept of Medicine  
Dept of Pathology  
Dept of Biochemistry  
Dept of Medicine  
Dept of Biophysics  
Office of Legal Council  
Radiation Protection  
Office of the President  
Dept of Chemistry

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We will be glad to provide any further information you may need to approve this request. A check (#780929) in the amount of \$120 is enclosed to cover the license amendment fee for category 7C.

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Sincerely,

E. W. Mason  
Director

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Frank W. Fitch, M.D., Ph.D.

Professor of Pathology, University of Chicago, 1967 to present; Associate Dean for Academic Affairs, the Division of the Biological Sciences, 1981 to present; Member Cancer Preclinical Program Project Review Committee, National Cancer Institute, 1983 to present; Research related to regulation of immune responses, 1959 to present. (Research has included radiation effects on immune responses; radioisotopes including  $^{125}\text{I}$ ,  $^3\text{H}$ ,  $^{32}\text{P}$ ,  $^{35}\text{S}$  have been used in this research). More than 200 publications on these and related studies.

Eugene Goldwasser, PhD

Professor of Biochemistry and Molecular Biology, The University of Chicago, Chairman of Department 1984; Over thirty years of laboratory experience with radioactive isotopes; Some experimental work on the effect of ionizing radiation on hemopoiesis.

Lucia B. Rothman-Denes, PhD

Professor, Departments of Molecular Genetics and Cell Biology and of Biochemistry and Molecular Biology - 7/84 to present; Professor, Departments of Biophysics and Theoretical Biology and of Biochemistry 7/83 - 6/84; Associate Professor, Departments of Biophysics and Theoretical Biology 1/80-6/83. Member, Committees on Virology and Genetics, 7/74 to present; Assistant Professor, Department of Biophysics and Theoretical Biology 7/74-1/79; Postdoctoral fellow, Department of Biophysics and Theoretical Biology 8/70-7/74; Visiting fellow, Laboratories of Molecular Biology and of Biochemistry and Metabolism, NIAMD, NIA 9/67-7/70. Member NIH Microdial Genetics Study Section 1980-1983. Chairman-elect Bacteriophage Biology Division, American Society of Microbiology - 1984. Society memberships: American Society of Biological Chemists, American Society of Microbiology, American Society of Virology. Research interests: nucleic-protein interactions in transcriptions and replications.