

115 Business Loop 70 West
Columbia, Missouri 65203
(314) 875-2100
1 (800) 392-2545

November 6, 1990

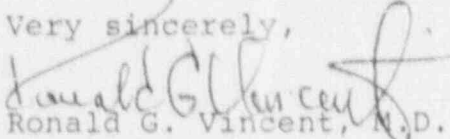
A. Bert Davis
Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Davis:

I am in receipt of your letter of November 2, 1990, relating to compliance with 10 CFR 30.35 of the NRC regulations by this Center. Pertaining to this matter, please be advised of the following:

1. On October 2, 1990, William J. Adams, Ph.D. of the Nuclear Regulatory Commission was advised of the pending merger between the University Health Science Center and the Ellis Fischel State Cancer Center. (attached)
2. As part of that communication, the Ellis Fischel State Cancer Center filed Form NRC 314 which indicated our intent to transfer to the Curators of the University of Missouri all radioactive materials in possession of the Center. Specifically, the transfer is to be made to the University License 24-00513-35. (attached)
3. We also note that the University Health Science Center is in compliance with 10 CFR 30.35 per a submittal made to the NRC on June 6, 1990. (attached)

We believe, therefore, for the Ellis Fischel State Cancer Center to make application, as requested, to comply with the 10 CFR 30.35 would be superfluous. We request your review of these facts and are hopeful for an early reply and recommendation as to what steps are necessary to be in full compliance with the NRC regulations.

Very sincerely,

Ronald G. Vincent, M.D.
Medical Director

RGV:nh
Attachments

c: Tom Murray
Dr. Steve Westgate
Lew Pitchford
Dr. Philip Lee

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REGION III

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REG3 LIC30
24-00513-35 PDR
University of Missouri Health Sciences Center

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UNIVERSITY OF MISSOURI SYSTEM

Office of Research Safety

518 Clark Hall
Columbia, Missouri 65201
Telephone (314) 882-3721

October 2, 1990

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

ATTENTION: William J. Adam, Ph.D.

RE: Amendment to License No. 24-00513-35

Dear Dr. Adam:

The University of Missouri is acquiring on November 1, 1990, the Ellis Fischel Hospital which is located in Columbia, MO. Radioactivity covered by the radiation programs at Ellis Fischel, including those authorized by NRC Licenses, 24-00481-04 and 24-00481-05, will be administered by the University of Missouri.

We would like to amend our teletherapy license to include Ellis Fischel Hospital as a site where licensed material may be used. Our license, 24-00513-35, states in Item 10, "Licensed material shall be used only at the licensee's facilities located at Health Sciences Center, Radiation Oncology, University of Missouri, Columbia, Missouri." That item may be adequate to include the Ellis Fischel Site after the merger on November 1, 1990. Since that site will be administered by the Health Sciences Center, you may desire to list it as another authorized location. The conditions of our present license will be applied to any use of radioactive material at the Ellis Fischel site. Authorized users will be authorized in accordance with our Handbook of Radiological Operations and our NRC license.

An application is attached. Please note that the therapists on the Ellis Fischel License No. 24-00481-05 are also listed on our teletherapy license and have been approved by our radiation safety committees. The radiation therapy physicist will be Keith Hickey, Ph.D. who is the current approved physicist at Ellis Fischel. Dr. Hickey will remain as the therapy physicist. We will make few changes in the radiation program at this time, for instance, the film badge service will remain with Siemens. Radiation safety will be provided by the University of Missouri, Columbia Campus, Health Physics Services. The Health Sciences Center Radiation Safety Committee (Human Use Subcommittee of the Radiation Safety Committee) will become responsible for the Ellis Fischel site.

Certain differences exist between our teletherapy license (24-00513-35) and the Ellis Fischel license (24-00481-04). We would like to retain all the conditions of our license (24-00513-35), to include nonhuman (animal) irradiation. Included with this application for amendment is a description of the teletherapy source at Ellis Fischel. Please note that it is a smaller source. Also included are the most recent surveys and a description of the facilities.

Page 2
William Adam
October 2, 1990

The teletherapy source authorized to the University has been transferred to Neutron Products, Inc. so the condition referring to the old source should be deleted from the license. A copy of the source transfer form and final survey are attached.

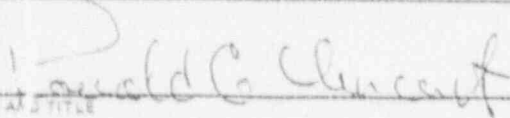
If you need additional information please call or write and I will promptly provide what is requested.

Sincerely,

T Low Pitchford
T Low Pitchford
Radiation Safety Officer

Enclosures

cc: Mark Burkholder, Ph.D.
Wynn Volkert, Ph.D.

NRC FORM 314 (6-89) 10 CFR 30.28(d)(1)(iv) 10 CFR 40.42(d)(1)(iv) 10 CFR 70.28(d)(1)(iv)	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: 3150-0028 EXPIRES: 4/30/92
CERTIFICATE OF DISPOSITION OF MATERIALS		ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST IS 5 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530) U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555 AND TO THE PAPERWORK REDUCTION PROJECT (3150-0028) OFFICE OF MANAGEMENT AND BUDGET WASHINGTON, DC 20503.
INSTRUCTIONS: SEND THE COMPLETED CERTIFICATE TO THE NRC OFFICE SPECIFIED ON THE REVERSE.		(All items MUST be completed—print or type)
LICENSEE NAME AND ADDRESS Ellis Fischel State Cancer Center		LICENSE NUMBER 24-00481-04 LICENSE EXPIRATION DATE July 31, 1993
THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT (Check and/or complete the appropriate item(s) below.)		
A. MATERIALS DATA (Check one and complete as necessary)		
<input type="checkbox"/> 1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE. OR <input checked="" type="checkbox"/> 2. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN DISPOSED OF IN THE FOLLOWING MANNER. (If additions, space is needed, use the reverse side or provide attachments.) Describe specific material transfer actions and, if there were radioactive wastes generated in terminating this license, the disposal actions, including the disposition of low-level radioactive waste, mixed waste, Greater-than-Class-C waste, and sealed sources, if applicable. The Ellis Fischel State Cancer Center will formally merge with the University of Missouri Health Science Center on Nov. 1, 1990. Subsequent to that date all NRC regulated procedure will be under the University of Missouri Health Science Center. For transfers, specify the date of the transfer, the name of the licensed recipient, and the recipient's NRC license number or Agreement State name and license number. All radioactive materials (over) were transferred on Nov. 1, 1990 to the Curators of the University of Missouri License #24-00513-05. If materials were disposed of directly by the licensee rather than transferred to another licensee, licensed disposal site or waste contractor, describe the specific disposal procedures (e.g., decay in storage).		
B. OTHER DATA		
<input checked="" type="checkbox"/> 1. OUR LICENSE HAS NOT YET EXPIRED. PLEASE TERMINATE IT. <input type="checkbox"/> 2. WAS A RADIATION SURVEY CONDUCTED TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE? (Check one): <input checked="" type="checkbox"/> NO (attach explanation) <input type="checkbox"/> YES, THE RESULTS (check one): <input type="checkbox"/> ARE ATTACHED, or <input type="checkbox"/> WERE FORWARDED TO NRC ON (Date): <input type="checkbox"/> 3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM NAME: T. Lew Pitchford, Director, Office of Research Safety and-Radiation Safety Officer TELEPHONE NUMBER: 314 882-3721		
<input type="checkbox"/> 4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO 518 Clark Hall Columbia, Missouri 65211		
CERTIFYING OFFICIAL		
I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.		
SIGNATURE  PRINTED NAME AND TITLE Ronald G. Vincent, M.D., Center Director	DATE 9-26-90	
WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.		

PHYSICIST REPORT

Ellis Fischel State Cancer Hospital

I. Quarterly Sealed Source Inventory License #24-00481-04

Radiation Therapy Source	Activity	Description	Location	Date
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Co-60	4.01×10^6 mCi	Teletherapy	Rm 141	9/1/90

June 15, 1990

RECEIVED

JUN 20 1990

Director, Nuclear Regulatory Commission Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

RESEARCH SAFETY OFFICE
UNIVERSITY OF MISSOURI

SUBJECT: FINANCIAL ASSURANCE STATEMENT AND
STATEMENT OF INTENT:

NRC LICENSE NOS.: 24-00513-32, 24-00513-33,
24-00513-34, 24-00513-35, SNM-247

Dear Sir/Madam:

This Statement of Intent is to certify that the University of Missouri is licensed to possess the radioactive material specified below and that financial assurance in the amounts prescribed by 10 CFR Parts 30, 40, and 70 will be available for decommissioning.

The guidance in U.S. NRC Draft Regulatory Guide (Task (DG-3002) entitled "Standard Format and Content of Financial Assurance Mechanisms Required for Decommissioning Under 10 CFR Parts 30, 40, 70, and 72" and in NUREG-1336, Rev. 1 entitled "Standard Format and Content Guide for Financial Assurance Mechanisms Required for Decommissioning Under 10 CFR Parts 30, 40, 70, and 72" have been used to prepare this assurance statement. This statement fulfills the requirements of 10 CFR Parts 30.35 (b)(2), 40.36 (b)(2), and 70.25 (b)(2).

The University of Missouri is a state organization licensed by the NRC to possess and use radioactive material. The University is authorized to possess quantities of nuclear material with a half-life greater than 120 days, in unsealed form, and that are greater than 10^4 times the applicable amounts specified in 10 CFR Part 20, Appendix C. Possession of sealed sources of byproduct, source, and special nuclear materials are also authorized. Therefore, the University is a Category A Licensee. Exhibits 2-1, 2-2, and 2-3 of the Draft Regulatory Guide Task DG-3002 indicate that we must assure the following dollar amounts:

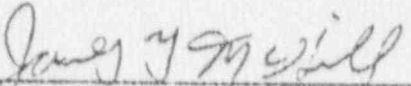
<u>MATERIAL</u>	<u>AMOUNT</u>	<u>LICENSING PART</u>
Unsealed Byproduct	\$750,000.	10 CFR Part 30
Sealed Byproduct	75,000.	10 CFR Part 30

Unsealed Source	150,000.	10 CFR Part 40
Scaled Source	None	10 CFR Part 40
Unsealed Special Nuclear	750,000.	10 CFR Part 70
Scaled Special Nuclear	None	10 CFR Part 70
<u>SUM</u>	<u>1,725,000.00</u>	

In accordance with 10 CFR Parts 30.35 (f)(4), 40.36 (e)(4), and 70.25 (f)(4) the financial assurance is provided in this statement of intent. The four University of Missouri campuses at Columbia, Kansas City, Rolla, and St. Louis where radioactive material is authorized to be used are covered by this statement. The two University reactors, at Columbia and at Rolla, are covered by separate commitments to the NRC, Director of Nuclear Reactor Regulation in Washington, D.C. Necessary funds for decommissioning will be requested and obtained sufficiently in advance of decommissioning to prevent delay of required activities.

A decommissioning funding plan will be submitted with the license renewal submitted to NRC or at the time of termination of the NRC licenses. U.S. NRC Regulatory Guide 3.65, Task CE 304-4, entitled "Standard Format and Content of Decommissioning Plans for Licensees Under 10 CFR Parts 30, 40, and 70" will be used to prepare the financial plan.

I certify that I am the Vice President for Administrative Affairs for the Curators of the University of Missouri and, as such, am authorized by the Board of Curators to execute contracts, other instruments and agreements, as indicated in Section 70.010C. of the Collected Rules and Regulations for the University of Missouri, a copy of which is enclosed.



JAMES T. MCGILL
Vice President for
Administrative Affairs

cc: Mark Burkholder, Ph.D., Associate Vice President,
Academic Affairs
Edward D. King, Risk and Insurance Management
✓ T. Lew Pitchford, Radiation Safety Officer

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

24-00513-35

Docket or Reference number

020-0030

Amendment No. 15

University of Missouri
Radiation Safety Office
413 Clark Hall
Columbia, MO 65211

In accordance with letter dated June 15, 1990, License Number 24-00513-35 is amended as follows:

Condition 14. is amended to read:

14. This license is based on the licensee's statements and representations listed below:

- A. Application dated December 16, 1988;
- B. Letters dated December 16, 1988 and June 15, 1990.

Condition 15. is added:

15. The licensee shall maintain records of information important to safe and effective decommissioning at 413 Clark Hall, Columbia, Missouri per the provisions of 10 CFR 30.35 (g) until this license is terminated by the Commission.

For the U.S. Nuclear Regulatory Commission

Date: 8/6/90

By Karin G. Ull
Materials Licensing Section, Region III