

MATERIALS LICENSE

Amendment No. 05

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with letter dated September 13, 1996	
1. Ozarks Medical Center		3. License Number 24-18733-02 is amended in its entirety to read as follows:	
2. 1100 Kentucky Avenue P.O. Box 1100 West Plains, MO 65775		4. Expiration Date March 31, 2005	
		5. Docket or Reference No. 030-31197	
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License	
A. Cobalt-60	A. Sealed source model designation Nordion (formerly AECL C-146)	A. 8,000 curies per source	
B. Uranium depleted in uranium-235	B. Solid metal	B. 274 kilograms total possession limit	
9. Authorized Use:			
A. Medical use described in 10 CFR 35.600 in a Theratronics Theratron 780 teletherapy unit, and to be used for irradiation of blood and blood products (excluding explosive and flammable materials).			
B. Shielding in a teletherapy unit.			

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at
Doctors' Pavillion, 1115 Alaska Avenue, Suite 116, West Plains, Missouri.
11. Radiation Safety Officer: Walter Kopecky, Ph.D.
12. Authorized Users: Lovard M. Peacock, M.D.
John Lynch, D.O.
Kevin B. Collins, M.D.
- Teletherapy Physicists: Walter Kopecky, Ph.D.

190050

9612190267 961206
PDR ADOCK 03031197
C PDR

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

24-18733-02

Docket or Reference Number

030-31197

Amendment No. 05

13. The licensee is exempted from decommissioning financial assurance requirements for possession of licensed material in sealed sources in quantities greater than the limits in 10 CFR 30.35(d) for the purpose of source changes only. This exemption is granted for no more than 30 days for any one source change.
14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Applications dated June 8, 1989, October 19, 1995;
- B. Letters dated March 18, 1986, September 6, 1994 (excluding any reference to QMP), October 18, 1995, and September 13, 1996 (with enclosures); and
- C. Letter received December 4, 1996 (with enclosure).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date December 6, 1996

By

Loren J. Hunter
Nuclear Materials Licensing Branch, Region III

COPY

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 02300
Status Code: 0
Fee Category: 7A 2B
Exp. Date: 20050331
Fee Comments:
Decom Fin Assur Req'd: N

R8
13

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: OZARKS MEDICAL CENTER
Received Date: 960917
Docket No: 3031197
Control No.: 301838
License No.: 24-18733-02
Action Type: Amendment

2. FEE ATTACHED

Amount: 470
Check No.: 016234

3. COMMENTS

Signed
Date

D. Hersey
9-18-96

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / /)

1. Fee Category and Amount: (7A) 2B \$470

2. Correct Fee Paid. Application may be processed for:

Amendment ☒
Renewal ☐
License ☐

3. OTHER

Signed
Date

SC
9/24/96

1996 SEP 23 AM 11:21

SEP 30 1996

Log	Sep 8 VII
Remitter	
Check No.	6254
Amount	\$470
Fee Category	7A 2B
Type of Fee	AmD
Date Check Rec'd	9/23/96
Date Completed	9/24/96
By:	SC



Ozarks Medical Center

1100 Kentucky Avenue • P.O. Box 1100
West Plains, Missouri 65775
(417)256-9111 FAX (417)257-6770

Charles R. Brackney
President

September 13, 1996

Materials Licensing Branch Chief
Nuclear Regulatory Commission, Region III
Lisle, Illinois 60532-4351

RE: License Number: 24-18733-02

Dear Sirs:

We wish to amend the teletherapy license for Ozarks Medical Center (# 24-18733-02) in the following area:

1. Kevin B. Collins, M.D.

Dr. Collins to be an authorized user of materials in 35,600. Copies of supplement A, supplement B, Missouri license and a reference letter from his residency professor and director at NYU Medical Center are enclosed.

The fee of \$470.00 is enclosed. Should you have any questions, please call
Walter J. Kopecky, Ph.D. at 314-275-8224.

Sincerely,

Charles R. Brackney
President

RECEIVED
SEP 17 1996
REGION III

pm: 9-16-96

301838
SEP 17 1996

EXHIBIT 2
SUPPLEMENT A

SUPPLEMENT		U.S. NUCLEAR REGULATORY COMMISSION		
TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER				
1. NAME OF PROPOSED AUTHORIZED USER OR RADIATION SAFETY OFFICER Kevin Basil Collins, M.D.		2. FOR PHYSICIANS, STATE IN TERRITORY WHERE LICENSED		
3. CERTIFICATION				
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C		
Board Eligible Not yet Board Certified	Radiation Oncology			
4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES				
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING		
		CLOCK HOURS IN LECTURE OR LABORATORY	CLOCK HOURS OF SUPERVISED ON-THE-JOB EXPERIENCE	
a. RADIATION PHYSICS AND INSTRUMENTATION	New York University Medical Center	144 hours		
b. RADIATION PROTECTION				
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY				
d. RADIATION BIOLOGY		120 hours		
e. RADIOPHARMACEUTICAL CHEMISTRY				
	7/1/93 to 6/30/96			
B. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	mCi USED AT ONE TIME	LOCATION	CLOCK HOURS	TYPE OF USE
⁶⁰ Cobalt	5,000 Ci	New York University Medical Center	606.7 hours	Teletherapy
¹²⁵ Iodine	100mCi (average)		80 hours	Interstitial Brachytherapy
¹³⁷ Cesium	160mCi (average)		1753 hours	Intracavitary
¹⁹² Iridium	8,500mCi (average)		37.4 hours	Brachytherapy

EXHIBIT 3
SUPPLEMENT B

SUPPLEMENT		U. S. NUCLEAR REGULATORY COMMISSION	
PRECEPTOR STATEMENT			
<p><i>Supplement B must be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each.</i></p>			
<p>1. PROPOSED PHYSICIAN USER'S NAME AND ADDRESS</p>		<p>KEY TO COLUMN C</p>	
<p>FULL NAME</p> <p>Kevin Basil Collins, M.D.</p>		<p>PERSONAL PARTICIPATION SHOULD CONSIST OF:</p>	
<p>STREET ADDRESS</p> <p>Ozarks Medical Center</p>		<p>1. Supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation for prescribed dosage.</p>	
<p>1100 Kentucky Ave. PO Box 1100</p>		<p>2. Collaboration in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data.</p>	
<p>CITY STATE ZIP CODE</p> <p>West Plains, MO 65775</p>		<p>3. Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.</p>	
<p>2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN</p>			
ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
	Thyroid scan		
	Thyroid uptake		
	Lung perfusion scan		
	Xenon ventilation study		
	Aerosol ventilation scan		
	Renal flow scan		
	Brain scan		
	Liver/spleen scan		
	Bone scan		
	Gastroesophageal study		
	LeVeen shunt study		
	Cystogram		
	Decryocystogram		
	Cardiac perfusion scan.		
	Cardiac stress ventriculogram		
	Cardiac rest ventriculogram		
Gallium scan			

EXHIBIT 3 (Continued)

PROPOSED PHYSICIAN USER Kevin Collins, m.p.			
PRECEPTOR STATEMENT (Continued)			
2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)			
ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
P-32 (Sodium)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES		
P-32 (Ceriodol)	INTRACAVITARY TREATMENT		
I-131	TREATMENT OF THYROID CARCINOMA		
	TREATMENT OF HYPERTHYROIDISM		
Au-198	INTRACAVITARY TREATMENT		
Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT	21	
I-125 or Ir-192	INTERSTITIAL TREATMENT	23	
Co-60 or Cs-137	TELETHERAPY TREATMENT	200	
Sr-90	TREATMENT OF EYE DISEASE		
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR		
Sr-90/ Y-90	GENERATOR		
Tc-99m	REAGENT KITS		
Other			

1. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING		
LOCATION	DATES	CLOCK HOURS OF EXPERIENCE
New York University Medical Center	7/1/93 to 6/30/96	2477.1 hours

4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:		5. PRECEPTOR'S SIGNATURE	
a. NAME OF SUPERVISOR James M. Galvin		James M. Galvin	
b. NAME OF INSTITUTION New York University Med Center			
c. MAILING ADDRESS 560 First Ave New York, New York 10016		7. PRECEPTOR'S NAME (Please type or print) James M. Galvin	
8. MATERIALS LICENSE NUMBER(S) New York City Bureau of Radiologic Health License # 92-2955-03		9. DATE 9/10/96	

01005617

State of Missouri

Department of Economic Development
Division of Professional Registration
Board of Registration for the Healing Arts

PHYSICIAN AND SURGEON

VALID THROUGH JANUARY 31, 1997
ORIGINAL CERTIFICATE/LICENSE NO. MD 111463

ISSUED: 08/02/96

KEVIN B COLLINS M.D.
1809 CAROLYN DRIVE
JONESBORO, AR 72404

Lisa Sturgeon
EXECUTIVE DIRECTOR

Randall F. Singer
DIVISION DIRECTOR



566 First Avenue, New York, N.Y. 10016

Cable Address: NYUMEDIC

Division of Radiation Oncology

(212) 263-5055

September 9, 1996

Kevin B. Collins, M.D.

To Whom It May Concern:

I am writing on behalf of Kevin B. Collins, M.D. who in June 1996 successfully completed a three year residency program in Radiation Oncology at NYU Medical Center. As part of his training Dr. Collins was taught to use radionuclide sources safely and I believe that he is capable of independent use at this point. Our records indicate that Dr. Collins received approximately 120 hours of instruction in Radiation Biology and Radiopharmaceutical Chemistry. He also received nearly 150 hours of instruction in Mathematics, Radiation Physics and Instrumentation and Radiation Protection. He also participated, under strict supervision, in the care of twenty-one cases using radioactive cesium, eight cases using radioactive iridium, and fifteen cases utilizing radioactive iodine therapy. He treated approximately 200 patients using ^{60}Co therapy. In addition, Dr. Collins did an independent research project based on iodine implantation of prostate cancer that was accepted for presentation at the Eighteenth Annual Meeting of the American Brachytherapy Society. Thus I have no hesitation in recommending Dr. Collins to you. Should you have any questions please feel free to contact my office.

Sincerely,

A handwritten signature in dark ink, appearing to read "J. S. Cooper".

Jay S. Cooper, M.D. FACR
Professor and Director,
Radiation Oncology
NYU Medical Center

DEC 09 1996

Charles R. Brackney, President
Ozarks Medical Center
1100 Kentucky Avenue
P.O. Box 1100
West Plains, MO 65775

Dear Mr. Brackney:

Enclosed is Amendment No. 05 to your NRC Material License No. 24-18733-02 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
 - a. When an authorized user, Radiation Safety Officer, or Teletherapy Physicist permanently discontinues performance of duties under the license or has a name change; or
 - b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.

4. Request and obtain a license amendment before you:
 - a. Receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this Part;
 - b. Permit anyone, except individuals described in 10 CFR 35.13(b), to work as an authorized user under the license;
 - c. Change Radiation Safety Officers or Teletherapy Physicists;
 - d. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - e. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
 - f. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements,

C. Brackney

-3-

prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By
Loren J. Hueter
Nuclear Materials Licensing Branch

License No. 24-18733-02
Docket No. 030-31197

Enclosures:

1. Amendment No. 05
2. NRC Form 313

DOCUMENT NAME: M:\03031197.CL6

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII	<input checked="" type="checkbox"/>							
NAME	LJHueter:brt	<input checked="" type="checkbox"/>							
DATE	12/06/96								

OFFICIAL RECORD COPY



Loverd M. Peacock, M.D.
Kevin B. Collins, M.D.

John K. Lynch, D.O.
Melissa A. Burrow, M.S.N., R.N.P.

ARKANSAS RADIATION MEDICINE

Specialists in Cancer Diagnosis & Treatment

224 East Matthews
P.O. Box 719
Jonesboro, AR 72403-0719

Dear Mr Hueter

Please find enclosed additional
information for control # 301838.

Thank-you

Kevin Collins M.D.

RECEIVED

DEC 04 1996

REGION III

DEC 04 1996

Mailing Address: P.O. Box 719 • Jonesboro, AR 72403-0719
Phone: 501-972-4510 • FAX: 501-972-4444



NEW YORK UNIVERSITY MEDICAL CENTER

560 First Avenue, New York, N.Y. 10016

Division of Radiation Oncology

Phone: (212) 263-5055

Fax: (212) 263-8574

James M. Galvin, D.Sc.

Director of Physics

November 27, 1996

Kevin B. Collins, M.D.

To Whom It May Concern:

I am writing on behalf of Kevin B. Collins, M.D., who in June 1996 successfully completed a residency in Radiation Oncology at New York University Medical Center. During his three year training, Dr. Collins treated 200 patients using Co-60 Teletherapy.

During his clinical training, Dr. Collins worked under the supervision of an authorized user of Co-60. His experience included:

1. Examining patients and reviewing their case histories to determine their suitability for teletherapy treatment, and any limitations or contraindications;
2. Selecting the proper dose and how it was to be delivered;
Calculating the teletherapy doses and collaborating with the authorized user in the review of the patient's progress and consideration of the need to modify originally prescribed doses as warranted by the patient's reaction to radiation; and
4. Post-administration follow-up and review of case histories.

Sincerely,

A handwritten signature in cursive script, reading "James M. Galvin".

James M. Galvin

RECEIVED

DEC 04 1996

REGION III

DEC 04 1996

CONVERSATION RECORD

TIME

DATE

11-21-96

☐ VISIT☐ CONFERENCE☒ TELEPHONE☐ INCOMING☒ OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT

ORGANIZATION (OFFICE, DEPT. ETC.)

TELEPHONE NO.

Walter J. Kogelky, Ph.D.
RSD

Ozark Medical Center

314-
275-8024

SUBJECT

CN 301838

SUMMARY

To name Kevin B. Collins, M.D. for Teletherapy, exception statement needs to be expanded upon to demonstrate that he meets the 3 yrs of supervised clinical experience criteria in 10 CFR 35.760(b)(3), since all 3 years were listed during the 3 year residency program. Show that supervised experience was obtained over the 3 year period we possibly only met of the 3 years in which case he may not meet the criteria.

Ref. CN 301838 in response and respond in 15 days. He said he will try to FAX response by Nov 27th followed by hard copy.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Loren Hunter

11-21-96

ACTION TAKEN

SIGNATURE

TITLE

DATE



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

September 19, 1996

Walter Kopecky, Ph.D.
Radiation Safety Officer
Ozarks Medical Center
P. O. Box 1100
1100 Kentucky Avenue
West Plains, MO 65775

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated 09/13/96)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

☐ New License ☒ Amendment ☐ Renewal
☐ Termination ☐ Auth User (Amendment not required)
☐ Other _____

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-3 below, as applicable).

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration), you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 301838
License No. 24-18733-02