



# HULSTON CANCER CENTER

CoxHealth

September 28, 2011

Chief, Materials Licensing Branch  
United States Nuclear Regulatory Commission  
Region III  
8443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

RE: License #24-01143-06

Dear Toye Simmons:

Below are requests for a license amendment.

Please amend license number 24-01143-06 to add the following:

Authorized medical physicist:

Keith A. Hickey, PhD. --Iridium-192 in High Dose Rate Remote Afterloading Brachytherapy device, for calibration, spot checks and training.

Currently, Keith is listed as an AMP on license number OK-00376-02 with an expiration date of January 31, 2016. Please see the St. John's Medical Center, State license that is enclosed for your review.

Radiation Safety Officer:

Keith A. Hickey, PhD. is to be listed as RSO. Attached is a copy of the "Delegation of Authority for Radiation Safety Officer" and the State of Illinois IEMA Division of Nuclear Safety certificate.

Currently, Keith is listed as RSO on license number OK-01164-02 with an expiration date of May 31, 2011. That license is currently under review with a timely submittal. Please see the Jane Phillips Episcopal Memorial Medical Center, State license that is enclosed for your review.

Please amend license number 24-01143-06 to remove the following:

John Clouse, M.D. as acting RSO. He remains on the license in his role as an Authorized User.

Authorized User:--Christopher Gordon, M.D.  
10 CFR 35.100 and 35.200

Thank you for your attention to these requests. If you have any questions concerning the above amendment request, or if I can be of further assistance, please do not hesitate to call me at (417) 269-6991.

Sincerely,

Jeff S. Robinson, BA,R.T.(R)(N),CNMT  
Director, Radiation Oncology  
CoxHealth

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**MATERIALS LICENSE**

Pursuant to the Oklahoma Radiation Management Act (27A O.S. §2-9-101, *et seq.*) and the Oklahoma Radiation Management Rules (Rules) at Oklahoma Administrative Code (OAC) 252:410, including rules incorporated by reference from Title 10 of the Code of Federal Regulations, 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 the source(s) of radiation (byproduct, source and special nuclear material, accelerator produced material, radium sealed sources and/or radiation machines) designated below; to use such source(s) for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with applicable rules. This license is subject to all applicable rules and orders of the Oklahoma Department of Environmental Quality (DEQ) now or hereafter in effect and to any conditions specified below.

<p align="center"><b>Licensee</b></p> <p>1. Jane Phillips Episcopal Memorial Medical Center</p> <p>2. Department of Radiology 3500 S. E. Frank Phillips Blvd. Bartlesville, Oklahoma 74006</p>	<p>In accordance with a letter dated July 14, 2010</p> <p>3. License number OK-01164-02 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date: May 31, 2011</p> <hr/> <p>5. DEQ Login No.: 201012</p>	
<p>6. Byproduct [as defined in OAC 252:410-10-2(b)(1)], source, and/or special nuclear material.</p> <p>A. Any byproduct material identified in OAC 252:410-10-35(a)(4)(A) {10 CFR 35.100}</p> <p>B. Any byproduct material identified in OAC 252:410-10-35(a)(4)(C) {10 CFR 35.200}</p> <p>C. Any byproduct material identified in OAC 252:410-10-35(a)(5)(A) {10 CFR 35.300}</p> <p>D. Cobalt-57</p>	<p>7. Chemical and/or physical form</p> <p>A. Any radiopharmaceutical identified in OAC 252:410-10-35(a)(4)(A) {10 CFR 35.100}</p> <p>B. Any radiopharmaceutical identified in OAC 252:410-10-35(a)(4)(C) {10 CFR 35.200}</p> <p>C. Any radiopharmaceutical identified in OAC 252:410-10-35(a)(5)(A) {10 CFR 35.300}</p> <p>D. Sealed sources registered either with the Nuclear Regulatory Commission (NRC) under 10 CFR 32.210 or with an Agreement State (see License Condition 15)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> <p>C. 1,000 millicuries</p> <p>D. No single source to exceed the maximum activity specified on the certificate of registration issued by NRC or an Agreement State, total possession 50 millicuries</p>
<p>9. Authorized use</p> <p>A. Medical use described in OAC 252:410-10-35(a)(4)(A) {10 CFR 35.100}.</p> <p>B. Medical use described in OAC 252:410-10-35(a)(4)(C) {10 CFR 35.200}.</p> <p>C. Medical use described in OAC 252:410-10-35(a)(5)(A) {10 CFR 35.300}.</p> <p>D. Instrument calibration.</p>		

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
OK-01164-02DEQ Login No.  
201012Amendment No.  
31**CONDITIONS**

10. Location of use:  
A. 3500 S. E. Frank Phillips Blvd., Bartlesville, Oklahoma.  
B. 230 S.E. Howard, Bartlesville, Oklahoma.
11. Radiation Safety Officer (RSO): Keith Hickey, Ph.D.
12. Authorized Medical Physicists:  
A. Shawn Heldebrandt, M.S., for manual brachytherapy  
B. Keith Hickey, Ph.D., for manual brachytherapy
13. Authorized Users:  
A. Jim Andrew Bolene, M.D. for material identified in 10 CFR 35.100, 35.200, and 35.300, as adopted by reference in OAC 252: 410-10-35.  
B. Douglas M. Coldwell, M.D., for material identified in 10 CFR 35.100, 35.200, and 35.300 as adopted by reference in OAC 252: 410-10-35.  
C. Stanley P. Defehr, M.D., for material identified in 10 CFR 35.200 as adopted by reference in OAC 252: 410-10-35 for nuclear cardiology.  
D. Gary T. Dykstra, D.O., for material identified in 10 CFR 35.200 as adopted by reference in OAC 252: 410-10-35 for nuclear cardiology.  
E. Maurice D. Krause, M.D., for material identified in 10 CFR 35.100, 35.200, and 35.300 as adopted by reference in OAC 252: 410-10-35.  
F. Barbara J. Krueger, M.D., for material identified in 10 CFR 35.100, 35.200, and 35.300, as adopted by reference in OAC 252: 410-10-35.  
G. Michael A. Reburn, M.D., for material identified in 10 CFR 35.100, 35.200, and 35.300, as adopted by reference in OAC 252: 410-10-35.  
H. Jen H. Wong, M.D., for material identified in 10 CFR 35.100, 35.200, and 35.300, as adopted by reference in OAC 252: 410-10-35.  
I. Gale L. Joslin, M.D., for material identified in 10 CFR 35.100, 35.200, and 35.300, as adopted by reference in OAC 252: 410-10-35.  
J. John A. Yeabower, Jr., M.D., for material identified in 10 CFR 35.100, 35.200, and 35.300, as adopted by reference in OAC 252: 410-10-35.  
K. Anderson P. Mehrle, M.D., for material identified in 10 CFR 35.200 as adopted by reference in OAC 252: 410-10-35 for nuclear cardiology.
14. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in OAC 252: 410-10-30(3)(E){10 CFR 30.35(d)} for establishing decommissioning financial assurance.
15. The licensee shall keep a record of the certificate of registration for each sealed source authorized under 6. E on file and available for review by DEQ inspectors.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

OK-01164-02

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201012

Amendment No.

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16. 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 OAC 252: 410-10-35(a)(3)(G){10 CFR 35.26}. The Radiation Management rules shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the rules.

- A. Letter dated May 30, 2001
- B. Application dated June 28, 2001
- C. Letter dated August 22, 2002
- D. Letter received April 30, 2003
- E. Letter dated March 22, 2005
- F. Letter dated June 8, 2005
- G. Letter dated December 26, 2006

FOR THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Date:

8/4/10

By



Mike Broderick, Environmental Programs Manager  
Radiation Management Section  
Land Protection Division

**MATERIALS LICENSE**

Pursuant to the Oklahoma Radiation Management Act (27A O.S. §2-9-101, *et seq.*) and the Oklahoma Radiation Management Rules (Rules) at Oklahoma Administrative Code (OAC) 252:410, including rules incorporated by reference from Title 10 of the Code of Federal Regulations, 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 the source(s) of radiation (byproduct, source and special nuclear material, accelerator produced material, radium sealed sources and/or radiation machines) designated below; to use such source(s) for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with applicable rules. This license is subject to all applicable rules and orders of the Oklahoma Department of Environmental Quality (DEQ) now or hereafter in effect and to any conditions specified below.

Licensee	In accordance with the application dated
1. St. John Medical Center	March 15, 2011
2. 1923 South Utica Avenue Tulsa, Oklahoma 74104	3. License number OK-00376-02 is amended in its entirety to read as follows:
	4. Expiration date: January 31, 2016
	5. DEQ Login Nos. 203346

6. Byproduct [as defined in OAC 252:410-10-2(b)(1)], 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. Any byproduct material identified in OAC 252:410-10-35(a)(4)(A) {10 CFR 35.100}	A. Any radiopharmaceutical identified in OAC 252:410-10-35(a)(4)(A) {10 CFR 35.100}	A. As needed
B. Any byproduct material identified in OAC 252:410-10-35(a)(4)(C) {10 CFR 35.200}	B. Any radiopharmaceutical identified in OAC 252:410-10-35(a)(4)(C) {10 CFR 35.200}	B. As needed
C. Any byproduct material identified in OAC 252:410-10-35(a)(5)(A) {10 CFR 35.300}	C. Any radiopharmaceutical identified in OAC 252:410-10-35(a)(5)(A) {10 CFR 35.300}	C. 800 millicuries
D. Cesium 137	D. Sealed Sources (3M, Model 6D6C, 6B6G)	D. 60 millicuries per source and 1 curie total
E. Iridium 192	E. Sealed Sources (Best Industries, Model 81-01)	E. 1 millicurie per source and 1 curie total
F. Iodine 125	F. Sealed Sources (3M, Model 6711)	F. 1 millicurie per source and 500 millicuries total
G. Palladium 103	G. Sealed Sources (Theragenics Corp, Model 200)	G. 1.5 millicurie per source and 1.5 curies total
H. Strontium 90	H. Sealed Sources (Tracer Lab, Model No. RA-1A, Atlantic Research, Model No. ARC-B1)	H. 60 millicuries

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
OK-00376-02DEQ Login Nos.  
203346

Amendment No.

108

- B. Oliver Hanson, M.S., for material identified in 10 CFR 35.400 and for Ir-192 for use in a High Dose Rate Remote Afterloader Unit.
- C. Shawn Heldebrandt, M.S., for material identified in 10 CFR 35.400 and for Ir-192 for use in a High Dose Rate Remote Afterloader Unit.
- D. Keith A. Hickey, Ph.D., for material identified in 10 CFR 35.400 and for Ir-192 for use in a High Dose Rate Remote Afterloader Unit.
13. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

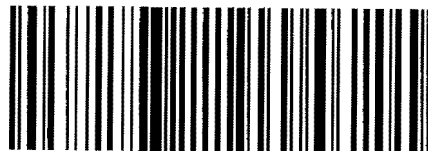
Authorized UsersMaterial and Use

- |                             |   |
|-----------------------------|---|
| A. Kevin G. Baker, D.O.     | For material identified in 10 CFR 35.100 and 35.200 as adopted by reference in OAC 252:410-10-35 limited to nuclear cardiology.                                       |
| B. Mark J. Baldeck, M.D.    | For material identified in 10 CFR 35.100 and 35.200 as adopted by reference in OAC 252:410-10-35.   |
| C. William C. Burnett, M.D. | For material identified in 10 CFR 35.200 and 35.500 as adopted by reference in OAC 252:410-10-35 for nuclear cardiology.  |
| D. Stephen C. Dobratz, M.D. | For material identified in 10 CFR 35.200 and 35.500 as adopted by reference in OAC 252:410-10-35.   |
| E. Charles T. Dolan, M.D.   | For material identified in 10 CFR 31.11 as adopted by reference in OAC 252:410-10-31(2)(H).   |
| F. Alan Feen, M.D.          | For material identified in 10 CFR 35.400 and 35.500 as adopted by reference in OAC 252:410-10-35, and for Ir-192 for use in a High Dose Rate Remote Afterloader Unit. |
| G. Michael J. Fogli, M.D.   | For material identified in 10 CFR 35.200 as adopted by reference in OAC 252:410-10-35 limited to nuclear cardiology.  |
| H. Richard Kacere, M.D.     | For material identified in 10 CFR 35.200 as adopted by reference in OAC 252:410-10-35 limited to nuclear cardiology.  |
| I. Gaurav Kumar, M.D.       | For material identified in 10 CFR 35.200 as adopted by reference in OAC 252:410-10-35 limited to nuclear cardiology.  |
| J. Thomachan Kalapura, M.D. | For material identified in 10 CFR 35.200 as adopted by reference in OAC 252:410-10-35 limited to nuclear cardiology.  |
| K. Richard Laughlin, M.D.   | For material identified in 10 CFR 35.100, 35.200, 35.300, 35.500, and 31.11 as adopted by reference in OAC  |



Hulston Cancer Center, Radiation Oncology • 3850 Soul  
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OCT 05 2011



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