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Johnson Memorial Hospital

Medical Imaging

1125 W. Jefferson Street
Franklin, IN 46131
(317) 736-3300

www.johnsonmemorial.org

Radiology FAX: (317) 738-7824

Admissions/Scheduling FAX: (317) 736-3589



To: Kevin Null -NRC

From Dept: Medical Imaging

FAX #: 630-515-1078

Date: 6/30/08 Number of Pages Including Cover: 21

Message: Urgent For Review Reply ASAP Please Comment

Attn: Kevin Null

Please contact Nuclear Medicine at 317-736-3471 or Kandy Collins at 317-736-3478 if you need any new information or if you have any questions.

Thank you,
Kristin Burress cmt

Confidential Notice

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US Nuclear Regulatory Commission
Materials Licensing Branch
2443 Warrenville Road STE 210
Lisle, IL 60523-4352

June 30, 2008

Dear Sir or Madam:

Please expedite an amendment to Materials License 13-14817-01 to include as radiation safety officer:

James J. Blahunka, MD for materials license 13-1481-01. Dr. Blahunka is currently an authorized user for 10 CFR 35.100, 35.200, 35.300. Please see attached paper work.

Please amend Materials License 13-14817-01 and remove the following as radiation safety officer:

Dr. Steven Westphal last day with our organization will be June 30, 2008

Please amend Materials License 13-14817-01 and remove the following authorized users as of June 30, 2008:

Richard L. Buck, M.D. for materials 10 CFR 35.100, 35.200, 35.300, and 31.11
Mark Tann, M.D. for materials 10 CFR 35.100, 35.200, 35.300, and 31.11
Steven Westphal, M.D. for materials 10 CFR 35.100, 35.200, 35.300 and 31.11
James Fletcher, M.D. for materials 10 CFR 35.100, 35.200, and 35.300
Aslam Siddiqui, M.D. for materials 10 CFR 35.100, 35.200 and 35.300
Justin L. Wass, M.D. for materials 10 CFR 35.100, 35.200, and 31.11

Please amend Materials License 13-14817-01 to include as authorized users as of June 30, 2008:

Orin W. Perkins, M.D. for materials 10 CFR 35.100, 35.200, 35.300.
Gregory A. Merchun, M.D. for materials 10 CFR 35.100, 35.200, 35.300.
Franklin W. Sequeira, M.D. for materials 10 CFR 35.100, 35.200, 35.300.
Richard L. Scales, M.D. for materials 10 CFR 35.100, 35.200.
Thomas Guy Belt, M.D. for materials 10 CFR 35.100, 35.200, 35.300.

Paul W. Sheets, M.D. for materials 10 CFR 35.100 and 35.200.
John T. Mail, M.D. for materials 10 CFR 35.100 and 35.200.
Mary Below, M.D. for materials 10 CFR 35.100 and 35.200.
Mark Joseph Paluszny, M.D. for materials 35.100 and 35.200.
Thomas N. Murphy, M.D. for materials 35.100 and 35.200.
James Blahunka, M.D. for materials 35.100, 35.200 and 35.300.

If additional information or documentation is required, please contact me at (317) 736-3470. It is my understanding there is no fee required to process this amendment requested.

Sincerely,

Kristin M. Burress, CNMT

Handwritten signature of Kristin M. Burress, CNMT in cursive script.

Randy Collins, Medical Imaging Department Manager

Handwritten signature of Randy Collins, RT (MR) in cursive script.

NRC FORM 313A (RSO) (2-2007)	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2008
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.50]		

Name of Proposed Radiation Safety Officer
JAMES J. BIAHUNKA, M.D.

Requested Authorization(s) The license authorizes the following medical uses (check all that apply):

35.100
 35.200
 35.300
 35.400
 35.500
 35.600 (remote afterloader)
 35.600 (teletherapy)
 35.600 (gamma stereotactic radiosurgery)
 35.1000 (_____)

PART I -- TRAINING AND EXPERIENCE
(Select one of the four methods below)

*Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have obtained related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.

- 1. Board Certification**
- a. Provide a copy of the board certification.
 - b. Use Table 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.
 - c. Skip to and complete Part II Preceptor Attestation.

OR

- 2. Current Radiation Safety Officer Seeking Authorization to Be Recognized as a Radiation Safety Officer for the Additional Medical Uses Checked Above**
- a. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for the additional types of medical use for which recognition as RSO is sought.
 - b. Skip to and complete Part II Preceptor Attestation.

OR

- 3. Structured Educational Program for Proposed Radiation Safety Officer**
- a. Classroom and Laboratory Training

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	Indiana Univ. School of Med. NRC License No. IS-02752-03	34	7/2000 6/2001
Radiation protection	"	8	"
Mathematics pertaining to the use and measurement of radioactivity	"	7	"
Radiation biology	"	2	"
Radiation dosimetry	"	15	"

Total Hours of Training:

NRC FORM 313A (RSO)
(2-2007)

U.S. NUCLEAR REGULATORY COMMISSION

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

b. Supervised Radiation Safety Experience

(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Description of Experience	Location of Training/ License or Permit Number of Facility	Dates of Training*
Shipping, receiving, and performing related radiation surveys	Indiana University School of Medicine NRC License No. 13-02752-03	7/2000 - 6/2001
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides	"	"
Securing and controlling byproduct material	"	"
Using administrative controls to avoid mistakes in administration of byproduct material	"	"
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	"	"
Using emergency procedures to control byproduct material	"	"
Disposing of byproduct material	"	"
Licensed Material Used (e.g., 35.100, 35.200, etc.) ⁺	"	"

* Choose all applicable sections of 10 CFR Part 35 to describe radionuclides and quantities used: 35.100, 35.200, 35.300, 35.400, 35.500, 35.600 remote afterloader units, 35.600 teletherapy units, 35.600 gamma stereotactic radiosurgery units, emerging technologies (provide list of devices).

NRG FORM 313A (RSD)
(2-2007)

U.S. NUCLEAR REGULATORY COMMISSION

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

b. Supervised Radiation Safety Experience (continued)

(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Supervising Individual	License/Permit Number listing supervising individual as a Radiation Safety Officer
This license authorizes the following medical uses:	
<input checked="" type="checkbox"/> 35.100	<input checked="" type="checkbox"/> 35.200
<input checked="" type="checkbox"/> 35.300	<input type="checkbox"/> 35.400
<input type="checkbox"/> 35.500	<input type="checkbox"/> 35.600 (remote afterloader)
<input type="checkbox"/> 35.600 (gamma stereotactic radiosurgery)	<input type="checkbox"/> 35.600 (teletherapy)
	<input type="checkbox"/> 35.1000 ()

c. Describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.

Description of Training	Training Provided By	Dates of Training*
Radiation safety, regulatory issues, and emergency procedures for 35.100, 35.200, and 35.600 uses	INDIANA UNIVERSITY SCHOOL OF MED NRG LICENSE No. 13-02750-03	7/2000 6/2001
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	"	"
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	"	"
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses	"	"
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses	"	"
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses	"	"
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):	"	"

NRC FORM 318A (RSO)
(2-2007)

U.S. NUCLEAR REGULATORY COMMISSION

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

c. Training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license (continued)

Supervising Individual *If training was provided by supervising RSO, AU, AMP, or ANP. (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)*

License/Permit Number listing supervising individual

See Attached

13-02752-03

License/Permit lists supervising individual as:

- Radiation Safety Officer
- Authorized User
- Authorized Nuclear Pharmacist
- Authorized Medical Physicist

Authorized as RSO, AU, ANP, or AMP for the following medical uses:

- 35.100
- 35.200
- 35.300
- 35.400
- 35.500
- 35.600 (remote afterloader)
- 35.600 (teletherapy)
- 35.600 (gamma stereotactic radiosurgery)
- 35.1000 ()

d. Skip to and complete Part II Preceptor Attestation.

OR

4. Authorized User, Authorized Medical Physicist, or Authorized Nuclear Pharmacist identified on the licensee's license

- a. Provide license number. *13-02128-03*
- b. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.
- c. Skip to and complete Part II Preceptor Attestation.

PART II -- PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each.

First Section

Check one of the following:

1. Board Certification

I attest that _____ has satisfactorily completed the requirements in
Name of Proposed Radiation Safety Officer
10 CFR 35.50(a)(1)(i) and (a)(1)(ii); or 35.50 (a)(2)(i) and (a)(2)(ii); or 35.50(c)(1).

OR

2. Structured Educational Program for Proposed Radiation Safety Officers

I attest that *James Blahunka, MD* has satisfactorily completed a structural educational
Name of Proposed Radiation Safety Officer
program consisting of both 200 hours of classroom and laboratory training and one year of full-time radiation safety experience as required by 10 CFR 35.50(b)(1).

OR

NRC FORM 311A (RSO)
(2-2007)

U.S. NUCLEAR REGULATORY COMMISSION

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

Preceptor Attestation (continued)

First Section (continued)

Check one of the following:

3. Additional Authorization as Radiation Safety Officer

I attest that James Blahunka is an
Name of Proposed Radiation Safety Officer

- Authorized User Authorized Nuclear Pharmacist
- Authorized Medical Physicist

identified on the Licensees license and has experience with the radiation safety aspects of similar type of use of byproduct material for which the individual has Radiation Safety Officer responsibilities

AND

Second Section

Complete for all (check all that apply):

I attest that James Blahunka has training in the radiation safety, regulatory issues, and
Name of Proposed Radiation Safety Officer

emergency procedures for the following types of use:

- 35.100
- 35.200
- 35.300 oral administration of less than or equal to 33 millicuries of sodium iodide I-131, for which a written directive is required
- 35.300 oral administration of greater than 33 millicuries of sodium iodide I-131
- 35.300 parenteral administration of any beta-emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required
- 35.500 parenteral administration of any other radionuclide for which a written directive is required
- 35.400
- 35.500
- 35.600 remote afterloader units
- 35.600 teletherapy units
- 35.600 gamma stereotactic radiosurgery units
- 35.1000 emerging technologies, including:

NRC FORM 313A (RSO) (2-2007) U.S. NUCLEAR REGULATORY COMMISSION
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

AND

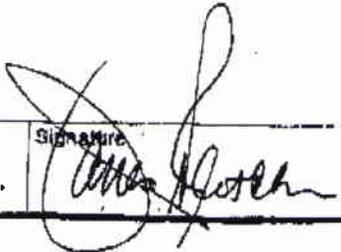
**Third Section
Complete for ALL**

I attest that James Blunka has achieved a level of radiation safety knowledge
Name of Proposed Radiation Safety Officer
sufficient to function independently as a Radiation Safety Officer for a medical use licensee.

**Fourth Section
Complete the following for Preceptor Attestation and signature**

I am the Radiation Safety Officer for _____
Name of Facility

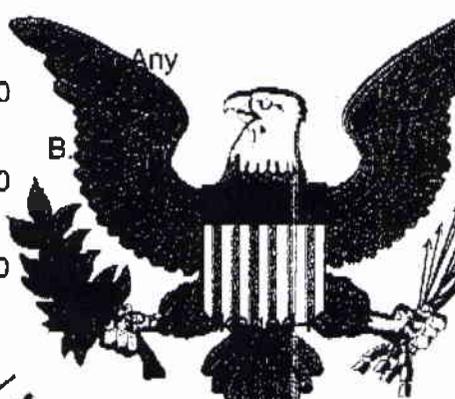
License/Permit Number: _____

Name of Preceptor James W. Fletcher M.D.	Signature 	Telephone Number 317-274-1000	Date 6/30/08
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MATERIALS LICENSE

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.

<p style="text-align: center;">Licensee</p> <p>1. Johnson County Memorial Hospital</p> <p>2. P.O. Box 549 1125 W. Jefferson Street Franklin, IN 46131</p>	<p>In accordance with letter dated July 17, 2007,</p> <p>3. License number 13-14817-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date August 31, 2013</p> <p>5. Docket No. 030-08553 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p> <p>C. Any byproduct material permitted by 10 CFR 35.300</p> <p>D. Any byproduct material permitted by 10 CFR 31.1</p>	<p>7. Chemical and/or physical form</p> <p style="text-align: center;">Any</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. 300 millicuries</p> <p>D. 10 millicuries</p>
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9. Authorized Use:
- A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.
 - B. Any imaging and localization study permitted by 10 CFR 35.200.
 - C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.
 - D. In vitro studies.

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 1125 W. Jefferson Street, Franklin, Indiana.
- 11. The Radiation Safety Officer for this license is **Stephen M. Westphal, M.D.**

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
13-14817-01

Docket or Reference Number
030-08553

Amendment No. 21

12. Licensed material is only authorized for use by, or under the supervision of:

- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Richard L. Buck, M.D.	10 CFR 35.100, 35.200, 35.300, and 31.11
Chandrablan Singh, M.D.	10 CFR 31.11
Justin L. Wass, M.D.	10 CFR 35.100, 35.200 and 31.11
Deovrat Singh, M.D.	10 CFR 35.200 limited to cardiovascular clinical procedures.
Habib Komari, M.D.	10 CFR 35.200 limited to cardiovascular clinical procedures.
Mark Tann, M.D.	10 CFR 35.100, 35.200, 35.300 and 31.11.
Aslam Siddiqui, M.D.	10 CFR 35.100, 35.200 and 35.300.
Karamchand Paul, M.D.	10 CFR 35.200 limited to cardiovascular clinical procedures and limited to cardiovascular clinical procedures.
Ramarao Yeleti, M.D.	10 CFR 35.200 limited to cardiovascular clinical procedures and limited to cardiovascular clinical procedures.
Ibad U. Ansari, M.D.	10 CFR 35.200 (excluding generators, aerosols, and xenon-133).
James Fletcher, M.D.	10 CFR 35.100, 35.200 and 35.300.
Srinivas Vallapuri, M.D.	10 CFR 35.200 limited to cardiovascular clinical procedures.
Omar S. Obeidat, M.D.	10 CFR 35.200 limited to cardiovascular clinical procedures.
Steven M. Westphal, M.D.	10 CFR 35.100, 35.200, 35.300 and 31.11.

- 13. 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 10 CFR 30.35(d) for establishing decommissioning financial assurance.
- 14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
13-14817-01Docket or Reference Number
030-08553

Amendment No. 21

15. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. 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. Application dated May 23, 2003; and
- B. Letter dated March 1, 2004.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUL 30 2007By Kevin G. Null
Kevin G. Null
Materials Licensing Branch
Region III

Official Use Only - Security-Related Information

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

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Amendment No. 42

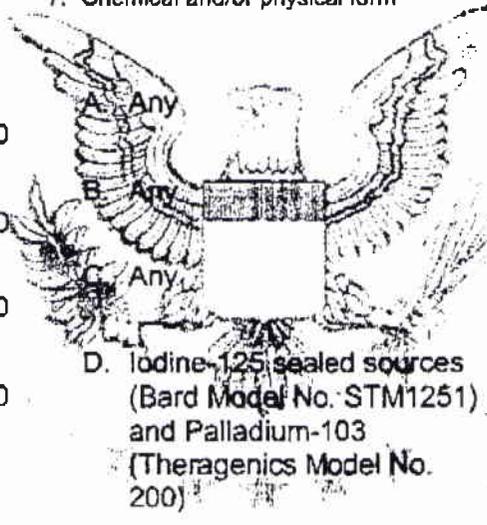
MATERIALS LICENSE

Corrected Copy

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 1, 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 August 26, 2007,
1. St. Francis Hospital & Health Centers	3. License number 13-02128-03 is amended in its entirety to read as follows:
2. 1600 Albany Street Beech Grove, IN 46107	4. Expiration date June 30, 2012
	5. Docket No. 030-09398 Reference No.

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. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any	B. As needed
C. Any byproduct material permitted by 10 CFR 35.300	C. Any	C. As needed (not to exceed one curie of iodine-131)
D. Any byproduct material permitted by 10 CFR 35.400	D. Iodine-125 sealed sources (Bard Model No. STM1251) and Palladium-103 (Theragenics Model No. 200)	D. 3 curies
E. Any byproduct material permitted by 10 CFR 35.500	E. Sealed sources (including but not limited to, IPL PHI-133 GFS Series)	E. As needed
F. Iridium-192 permitted by 10 CFR 35.600	F. Sealed sources (Nucletron Model No. 105.002, manufactured by Mallinckrodt BV or AEA Technology, Inc.)	F. 2 sources, 1 source not to exceed 12 curies and 1 source not to exceed 10 curies
G. Cesium-137	G. Sealed source (Tech Ops Model 77302)	G. 160 millicuries



Official Use Only - Security-Related Information

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

13-02128-03

Docket or Reference Number

030-09398

Amendment No. 42

Corrected Copy

- | | | |
|---|---|---|
| <p>6. Byproduct, source, and/or special nuclear material</p> <p>H. Cesium-137</p> <p>I. Yttrium-90 as permitted by 10 CFR 35.1000</p> | <p>7. Chemical and/or physical form</p> <p>H. Sealed source (Nordion Model C3001)</p> <p>I. Sealed sources as SIR-Spheres (ANSTO radiopharmaceuticals and industrials Model Microspheres)</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>H. Two sources not to exceed 3050 curies total</p> <p>I. Not to exceed 108 millicuries/vial, 540 millicuries total</p> |
|---|---|---|

9. Authorized use:

- A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.
- B. Any imaging and localization study permitted by 10 CFR 35.200.
- C. Any diagnostic study or therapeutic procedure permitted by 10 CFR 35.300.
- D. Any manual brachytherapy procedure permitted by 10 CFR 35.400.
- E. Any sealed source for diagnostic medical use permitted by 10 CFR 35.500.
- F. One source for therapeutic medical use permitted by 10 CFR 35.600, in a Nucletron Corporation MicroSelectron HDR remote afterloading brachytherapy device. The source activity may not exceed 10 curies at the time of installation. One source in its shipping container for source replacement.
- G. To be used in a Technical Operations Model 773 survey instrument calibrator for the calibration of survey instruments.
- H. For irradiation of materials in self-shielded irradiator devices in accordance with the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State and which have been distributed in accordance with a Commission or Agreement State specific license authorizing distribution to persons specifically authorized by a Commission or Agreement State license to receive, possess, and use the devices.
- I. For medical use, as permitted by 10 CFR 35.1000, in a Sirtex Medical Limited brachytherapy afterloader delivery system.

Official Use Only - Security-Related Information

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
13-02128-03

Docket or Reference Number
030-09398

Amendment No. 42
Corrected Copy

CONDITIONS

10. A. Licensed material listed in Items 6.A. through 6.D. may be used at the licensee's facility located at 1201 Hadley Road, Mooresville, Indiana.
- B. Licensed material listed in Items 6.A. through 6.E and 6.G and 6.H. may be used at St. Francis Hospital & Health Centers, 1600 Albany Street, Beech Grove, Indiana.
- C. Licensed material listed in Items 6.A., 6.B., 6.C., 6.D. (limited to permanent implants as described in your letter dated November 14, 2002), 6.E and 6.F. may be used at St. Francis Hospital & Health Centers, South Campus, 8111 South Emerson Avenue, Indianapolis, Indiana.
- D. Licensed material listed in Item 6.E may be used at St. Francis Hospital & Health Centers, South Campus, 8111 South Emerson Avenue, Indianapolis, Indiana and 1600 Albany Street, Beech Grove, Indiana.
11. Radiation Safety Officer: Berry L. Stewart, M.S.
12. Licensed material is only authorized for use by, or under the supervision of:
- A. Individuals permitted to work as an authorized user, authorized nuclear pharmacist, and/or authorized medical physicist in accordance with 40 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for the materials and uses indicated:

Authorized Users

Material and Use

Orin W. Perkins, M.D.	10 CFR 35.100, 35.200, 35.300 and 35.500.
Franklin W. Sequeira, M.D.	10 CFR 35.100, 35.200, 35.300 and 35.500.
Richard L. Scales, M.D.	10 CFR 35.100, 35.200 and 35.500.
Gregory A. Merchun, M.D.	10 CFR 35.100, 35.200, 35.300 and 35.500.
Ramchandra Reddy, M.D.	10 CFR 35.100, 35.200 and 35.500.
Thomas Guy Belt, M.D.	10 CFR 35.100, 35.200, 35.300 and 35.500.

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NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
13-02128-03

Docket or Reference Number
030-09398

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Corrected Copy

Paul W. Sheets, M.D.	10 CFR 35.100, 35.200 and 35.500.
John T. Mail, M.D.	10 CFR 35.100, 35.200 and 35.500.
✓ Mary Below, M.D.	10 CFR 35.100, 35.200 and 35.500.
Colleen M. Madden, M.D.	10 CFR 35.100, 35.200 and 35.500.
Peter G. Garrett, M.D.	10 CFR 35.300, 35.400, iridium-192 in HDR remote afterloading device and yttrium-90 as SIR-Spheres.
Thomas C. Dugan, M.D.	10 CFR 35.300, 35.400, iridium-192 in HDR remote afterloading device and yttrium-90 as SIR-Spheres.
Newell O. Pugh, M.D.	10 CFR 35.300, 35.400, iridium-192 in HDR remote afterloading device and yttrium-90 as SIR-Spheres.
David B. Ross, M.D.	10 CFR 35.300, 35.400, iridium-192 in HDR remote afterloading device and yttrium-90 as SIR-Spheres.
Scott Ackley, M.D.	10 CFR 35.300, 35.400, iridium-192 in HDR remote afterloading device and yttrium-90 as SIR-Spheres.
James C. Currier, M.D.	10 CFR 35.400, iridium-192 in HDR remote afterloading device and yttrium-90 as SIR-Spheres.
Mark Joseph Paluszny, M.D.	10 CFR 35.100 and 35.200.
Thomas N. Murphy, M.D.	10 CFR 35.100 and 35.200.
✓ James Blahunka, M.D.	10 CFR 35.100, 35.200 and 35.300.
Janan C. Graybill, M.D.	10 CFR 35.300, 35.400, and iridium-192 in HDR remote afterloading device.
Daniel C. Han, M.D.	10 CFR 35.300, 35.400, and iridium-192 in HDR remote afterloading device.
Stephen H. Kliman, M.D.	10 CFR 35.200.
David Kovacich, M.D.	10 CFR 35.200.

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- Richard Shea, M.D. 10 CFR 35.200.
- Alexander Yeah, M.D. 10 CFR 35.300, 35.400, iridium-192 in HDR remote afterloading device and yttrium-90 as SIR-Spheres.
- Daniel Weed, M.D. 10 CFR 35.400, and iridium-192 in HDR remote afterloading device.
- Valeri Goutsouliak, M.D. 10 CFR 35.400, iridium-192 in HDR remote afterloading device and yttrium-90 as SIR-Spheres.

C. The following individuals are authorized users for non-medical uses:

Authorized User

Material and Use

- Berry L. Stewart, M.S. Cesium-137 for use in irradiator in Subitem No. 6.G.
- Edward E. Wroblewski, M.A. Cesium-137 for use in irradiator in Subitem No. 6.G.
- William K. Breeden III, M.S. Cesium-137 for use in irradiator in Subitem No. 6.G.

D. The following individuals are Authorized Medical Physicists:

- Berry L. Stewart, M.S. Iridium-192 in High Dose Rate Remote Afterloading Brachytherapy device and for calibration, spot checks and training.
- Paul Mason, M.S. Iridium-192 in High Dose Rate Remote Afterloading Brachytherapy device and for calibration, spot checks and training.

E. Licensed material in Subitem 6.H. shall be used by, or under the supervision of, individuals who have received the training described in the application dated December 29, 1999, and the letter dated December 29, 1999. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.

13. 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 10 CFR 30.35(d) for establishing decommissioning financial assurance.

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14. For sealed sources not associated with 10 CFR Part 35 use, the following conditions apply:
- A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified by the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State.
 - B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified by the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
 - C. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
 - D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If a leak test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
 - E. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
 - F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.
15. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee, except as specifically authorized.
16. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.

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17. The licensee shall not repair, remove, replace, or alter any of the following: electrical and mechanical systems that control source or shielding movement, the irradiator's shielding or sealed source, safety interlocks, or any component that may affect safe operation of the irradiator. These activities shall be performed by a person specifically licensed by the Commission or an Agreement State to perform such services.
18. Except for maintaining labeling as required by 10 CFR 20 or 71, the licensee shall obtain authorization from the U.S. Nuclear Regulatory Commission before making any changes in the sealed source, device, or source device combination that would alter the description or specifications as indicated in the respective Registration Certificates issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.
19. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
20. For the self-shielded irradiator devices, the licensee shall not repair, remove, replace or alter any of the following: electrical and mechanical systems that control source or shielding movement, the irradiator's shielding or sealed source, safety interlocks, or any component that may affect safe operation of the irradiator. These activities shall be performed by a person specifically licensed by the Commission or an Agreement State to perform such services.
21. For the self-shielded irradiator devices, except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from the U.S. Nuclear Regulatory Commission before making any changes in the sealed source, device, or source device combination that would alter the description or specifications as indicated in the respective Registration Certificates issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.
22. A. The licensee shall comply with the requirements for "Increased Controls for Licensees that Possess Sources Containing Radioactive Material Quantities of Concern" (IC) (Accession No. ML053130364) published in the Federal Register (FR) on December 1, 2005 (70 FR 72128) as Attachment B to EA-05-090, "Order Imposing Increased Controls," (Accession No. ML053130218).
- B. The licensee shall complete implementation of the IC requirements by the first day that radionuclides specified in Table 1, Radionuclides of Concern, (Accession No. ML053130250) of the IC are possessed at or above the limits specified in the table.
- C. Notwithstanding any provisions of the Commission's regulations to the contrary, all measures implemented or actions taken in response to the IC requirements shall be maintained until the Commission orders otherwise or until the Commission explicitly modifies its regulations to reflect increased controls, and states in modifying its regulations that the revisions are to supercede Order EA-05-090.

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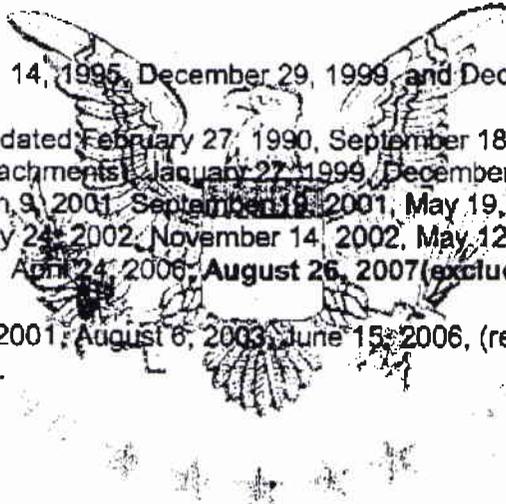
D. The licensee shall notify the Director, Office of Federal and State Materials and Environmental Management Programs, USNRC, Washington, DC, 20555, in writing, within 25 days after it has completed the requirements of this condition. In addition, licensee responses applicable to this license condition shall be marked as "Security-Related Information - Withhold Under 10 CFR 2.390."

23. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. 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 March 14, 1995, December 29, 1999, and December 27, 2001; and,

B. Letters with attachments dated February 27, 1990, September 18, 1995, October 9, 1996 (with attachments), January 27, 1999, December 29, 1999, January 19, 2001, February 28, 2001, March 9, 2001, September 19, 2001, May 19, 2002, December 22, 2001, (excluding item 10.2), July 24, 2002, November 14, 2002, May 12, 2003, July 18, 2003, October 8, 2004, February 28, 2005, April 24, 2006, August 26, 2007 (excluding Item 2) and,

C. Facsimiles dated July 2, 2001; August 6, 2003; June 15, 2006, (received July 20, 2006), March 6, 2007, and March 9, 2007.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JAN 22 2008

By Toye L. Simmons
Toye L. Simmons
Materials Licensing Branch
Region III