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03013764**HEART AND LUNG**

SCHNIEDER REGIONAL MEDICAL CENTER

PHONE: 340.776.8311 EXT. 2101

FAX: 340.714.3279

FAX

Pages: _____

To: ROBIN ELLIOTTFax: NRC Region IDate: FEB. 7, 2018Re: COMPLETE RAM
LICENSE~~From: L. Althoff, Front Desk Assistant/Clinical Assistant~~

Fax: 340.714.3279

Phone: PHONE: 340.776.8311 EXT. 2101

~~From:~~ MARIONETTE JOHNSONComments: NUCLEAR MEDICINE
SCHNEIDER MED CTR

MS ELLIOTT - AS YOU
REQUESTED HERE IS THE
COMPLETE RAM LICENSE
FOR DR. JOY JOHNSON.

THANK YOU.

- ☐ Urgent
- ☒ For Review
- ☐ Please Comment
- ☐ Please Reply
- ☐ Please Recycle

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REGIONAL MEDICAL CENTER

STATE OF KANSAS**RADIOACTIVE MATERIALS LICENSE**

Pursuant to the Nuclear Development and Radiation Control Act (L. 1963, Ch. 290) and Kansas Annotated Regulations numbers 28-35-133 through 28-35-363 inclusive, and in reliance on statements and representations made to this agency by the licensee designated below, a license is hereby issued authorizing the licensee to transfer, receive, possess, and use the radioactive material or materials listed below; and to use such materials at the place or places listed below; and to use the material for the purpose or purposes listed below. This license is subject to all applicable rules, regulations, and orders now in effect or placed in effect by the Department of Health and Environment and any conditions specified below.

Amendment No. 26

Licensee		3. License number
1. Name	Saint John Hospital	19-B383-01
2. Address	3500 South Fourth Street Leavenworth KS 66048	4. Expiration date September 30, 2006
		5. Reference number
6. Radioactive materials (element and mass number)	7. Chemical and/or physical form	8. Maximum quantity licensee may possess at any one time
See Page No. 2	See Page No. 2	See Page No. 2

CONDITIONS

9. Authorized use. (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)
 - A. Any diagnostic procedure listed in Groups I and II, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations.
 - B. Any therapeutic procedure listed in Group IV, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations.
 - C. through H. To be used for instrument calibration and quality control.
10. Radioactive materials shall only be used at 3500 South Fourth Street, Leavenworth, KS.
11. The radiation safety officer in this program shall be Joy A. Johnson, M.D.
12. Radioactive material shall be used by, or under the supervision of, Jeffrey L. Borders, M.D., John M. Bramble, M.D., Joy A. Johnson, M.D., Caprice M. Olomon, M.D., and John McMillan, M.D.

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Supplementary Sheet

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6. Radioactive materials (element and mass number)	7. Chemical and/or physical form	8. Maximum quantity licensee may possess at any one time
A. Any radioactive material listed in Groups I and II, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations.	A. Any radiopharmaceutical listed in Groups I and II, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations.	A. As necessary for uses authorized in Subitem 9.A
B. Any radioactive material listed in Group IV, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations.	B. Any radiopharmaceutical listed in Group IV, Schedule D, Regulation 28-35-199a of the Kansas Radiation Protection Regulations.	B. 100 millicuries of each radioactive material authorized in Subitem 6.B.
C. Cobalt-57	C. Sealed source (DuPont NES-206, NES-391, NES-392, NES-8012, NES-8300, NES-8400, NES-8450; Amersham CTR-Q1 series; North American Scientific MED3550, MED3700-3749; Isotope Products FL series, NES series, RV-057; International Isotopes BM-01 series, BM-02 series, BM-04 series, BM-05 series, BM-06 series, BM-09 series)	C. No single source to exceed 25 millicuries
D. Cesium-137	D. Sealed source (DuPont NES-356; Amersham CDC.VI)	D. No single source to exceed 250 microcuries
E. Barium-133	E. Sealed source (DuPont NES-358; Amersham BDC.VI)	E. No single source to exceed 250 microcuries

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|---|--------------------------------------|---|
| 6. Radioactive materials
(element and mass number) | 7. Chemical and/or physical form | 8. Maximum quantity licensee
may possess at any one time |
| F. Cobalt-60 | F. Sealed source (DuPont
NES-354) | F. No single source to
exceed 100 microcuries |
13. A. (1) Each sealed source containing radioactive material, other than Hydrogen-3, with a half-life greater than thirty (30) days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- (2) Notwithstanding the periodic leak test required by this condition, any radioactive sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- (3) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six (6) months prior to the date of use or transfer. Sources in storage shall be physically inventoried every six months and listed in the radioactive materials inventory.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcurie and maintained for inspection by the Department.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Department regulations. A report shall be filed within five (5) days of the test with the Radiation Control Program, Bureau of Air and Radiation, Kansas Department of Health and Environment, Topeka, Kansas, describing the equipment involved, the test results and the corrective action taken.
- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Department, the United States Nuclear Regulatory Commission, or an Agreement State to perform such services.
14. The use of radioactive material in or on humans shall be by a physician.

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15. Sealed sources containing radioactive material shall not be opened.
16. A. Radiopharmaceuticals dispensed and/or distributed for human use shall be either:
- (1) Repackaged from prepared radiopharmaceuticals that are the subject of an FDA-approved "New Drug Application" (NDA) or for which FDA has accepted a "Notice of Claimed Investigational Exemption for a New Drug" (IND), or
 - (2) Prepared from generators and reagent kits that are the subject of an FDA-approved NDA or for which FDA has accepted an IND.
- B. Prepared radiopharmaceuticals for which FDA has accepted an IND and radiopharmaceuticals prepared from generators or reagent kits for which FDA has accepted an IND shall be dispensed and/or distributed:
- (1) In accordance with the directions provided by the sponsor of the IND, and
 - (2) Only to physicians who have been accepted by the sponsor of the IND to participate in clinical evaluation of the drug.
- The licensee shall inform, in writing, each physician who participates in an IND evaluation, that the physician is responsible to the sponsor of the IND for use of the drug in accordance with protocols established by the sponsor and for reporting to the sponsor the clinical information obtained through use of the drug.
17. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:
- A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.
 - B. Before disposal as normal waste, radioactive waste shall be surveyed to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
18. The licensee may transport radioactive material or deliver radioactive material to a carrier for transport, in accordance with the provisions of Kansas Radiation Protection Regulations 28-35-196a, "Preparation of Radioactive Material for Transport".
19. The licensee shall comply with the provisions of Kansas Radiation Protection Regulations, Part 4, "Standards for Protection Against Radiation" and Part 10, "Notices, Instructions and Reports to Workers; Inspections."

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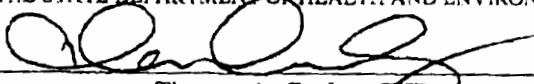
20. The licensee shall possess and use radioactive material described in Items 6, 7 and 8 of this license according to the most restrictive of; the Kansas Radiation Protection Regulations, this license or statements, representations, and procedures contained in the following documents:
- (a) The letter dated September 24, 1998, signed by Greg Fitts, with attachments.
 - (b) Facsimile dated November 17, 1998, signed by David Buller.
 - (c) Curriculum vitae, training and experience documentation for Jeffrey L. Borders, M.D., Caprice M. Olomon, M.D., John M. Bramble, M.D., Joy A. Johnson, M.D., received on January 15, 1999.
 - (d) Facsimile dated February 2, 1998 and received February 2, 1999, signed by Dave Buller, with attachments.
 - (e) The letter dated April 19, 2001, signed by Mary Jo McLear.
 - (f) The letter dated June 18, 2002, signed by Mary Jo McLear.
 - (g) The letter dated April 1, 2003, signed by Joy A. Johnson, MD, with attachments.
 - (h) The letter dated March 23, 2004, signed by Laurie McIntosh.
 - (i) The letter dated August 31, 2004, signed by J. A. Johnson, MD.

Date

OCT 21 2004

FOR THE STATE DEPARTMENT OF HEALTH AND ENVIRONMENT

By:

Thomas A. Conley, CHP
Radiation Control Program