



July 14th, 2015

NRC License # 48-32697-01

Material Licensing Branch  
U.S. Nuclear Regulatory Commission, Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

Northern Shared Medical Services would like to add an additional authorized user to our radioactive materials license. The authorized user is as follows:

**Additional Authorized Users:**

Douglas W. Hughes, M.D.

KS RAM license# 12-B840

Thank you for your kind attention. If any questions should arise, please feel free to contact me 608-839-9956.

Sincerely,

 7-14-15

Paul Flaten, Director Radiation Safety, ARSO  
Northern Shared Medical Services

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# State of Kansas

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## Radioactive Materials License

Pursuant to the Nuclear Development and Radiation Control Act (L. 1963, Ch. 290) and Kansas Annotated Regulations numbers 28-35-133 et. seq., 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 1. Name SHARED MEDICAL SVS INC  2. Address 209 LIMESTONE PASS COTTAGE GROVE, WI 53527		3. License Number 12-B840  4. Expiration Date June 30, 2018  5. Reference Number
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6.	Radioactive Material (Element and Mass Number)	7.	Chemical and/or Physical Form	8.	Maximum Quantity Licensee May Possess at One Time
A.	Fluorine-18	A.	Radiopharmaceutical: Any form for which an FDA NDA or IND application has been approved.	A.	2000 millicurie(s) total.
B.	Any radioactive material	B.	Sealed source(s): Any sealed source authorized by 10 CFR 35.65 or equivalent agreement state regulation.	B.	120 millicurie(s) total. No single source to exceed 30 millicurie(s).

### CONDITIONS

9. Authorized use.
  - A. Diagnostic studies involving imaging or tumor localizations.
  - B. To be used for calibration, transmission, reference and quality control.
10. Radioactive materials shall only be used at the following location(s):
 

ATCHISON HOSPITAL, 1301 N 2ND  
ATCHISON, KS 66002

CITIZENS MEDICAL CENTER, 100 E COLLEGE DR  
COLBY, KS 67701

CLARA BARTON HOSPITAL, 250 W NINTH  
HOISINGTON, KS 67544

CLAY COUNTY MEDICAL CENTER, 617 LIBERTY ST  
CLAY CENTER, KS 67432

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Supplementary Sheet

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CLOUD COUNTY HEALTH CENTER, 1100 HIGHLAND DR  
CONCORDIA, KS 66901

HAYS MEDICAL CENTER, 2220 CANTERBURY RD  
ST ANTHONY CAMPUS  
HAYS, KS

HIAWATHA COMMUNITY HOSPITAL, 300 UTAH  
HIAWATHA, KS

HORTON COMMUNITY HOSPITAL, 240 W 18TH  
HORTON, KS

KINGMAN COMMUNITY HOSPITAL, 750 W D AVE  
KINGMAN, KS

LABETTE HEALTH, 1902 59 HWY S  
PARSONS, KS

LAWRENCE MEMORIAL HOSPITAL, 325 MAIN ST  
LAWRENCE, KS 66044

MEMORIAL HEALTH SYSTEM, 511 NE 10TH ST  
ABILENE, KS

MERCY HEALTH SYSTEMS OF KANSAS, 401 WOODLAND HILLS BLVD  
FORT SCOTT, KS 66701

MERCY HOSPITAL, 800 W MYRTLE  
INDEPENDENCE, KS 67301

MITCHELL COUNTY HOSPITAL, 4000 W 8TH ST  
BELOIT, KS

NEMAHA VALLEY COMMUNITY HOSPITAL, 1600 COMMUNITY DR  
SENECA, KS

NEOSHO MEMORIAL REG MED CTR, 629 S PLUMMER  
CHANUTE, KS 66720

NEWMAN MEMORIAL COUNTY HOSPITAL, 1201 W 12TH AVE  
EMPORIA, KS

RANSOM MEMORIAL HOSPITAL, 1301 S MAIN ST  
OTTAWA, KS 66067

RUSSELL REGIONAL HOSPITAL, 200 S MAIN ST  
RUSSELL, KS 67665

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SMITH COUNTY MEMORIAL HOSPITAL, 614 S MAIN  
SMITH CENTER, KS

ST. CATHERINE HOSPITAL, 401 E SPURCE  
GARDEN CITY, KS 67846

SUSAN B. ALLEN MEMORIAL HOSPITAL, 720 W CENTRAL AVE  
EL DORADO, KS 67042

The licensee shall notify the Department, prior to engaging in licensed activities in the state of Kansas. Such notification shall indicate the location, period, and type of proposed possession and use of radioactive material within this state.

11. The following shall be responsible for the licensee's radiation protection program
  - A. Michael Zimmer Ph.D. Radiation Safety Officer
  - Paul Flaten Assistant Radiation Safety Officer
12. Radioactive material listed in Item 6 above is authorized for use by individuals for the materials and uses described as follows:

Radioactive material shall be used by or under the supervision of an individual listed below:

<b>Michael J. Brigg M.D.</b>	<b>Subitem(s) A, B</b>
<b>Craig M. Bruner M.D.</b>	<b>Subitem(s) A, B</b>
Thomas J. Flynn M.D.	Subitem(s) A, B
Benjamin A. Franklin M.D.	Subitem(s) A, B
<b>Sujit R. Gandhari M.D.</b>	<b>Subitem(s) A, B</b>
Crosby Gernon M.D.	Subitem(s) A, B
Robert Gibbs M.D.	Subitem(s) A, B
<b>Vandana Halder M.D.</b>	<b>Subitem(s) A, B</b>
<b>Kelly Z. Hart M.D.</b>	<b>Subitem(s) A, B</b>
Thomas S. Helling M.D.	Subitem(s) A, B
Douglas W. Hughes M.D.	Subitem(s) A, B
Paul J. Hutsey M.D.	Subitem(s) A, B
Rodney L. Johnson M.D.	Subitem(s) A, B
Richard J. Kueker M.D.	Subitem(s) A, B
Soen B. Liong M.D.	Subitem(s) A, B
James Mandigo M.D.	Subitem(s) A, B
Brett T. Meggison M.D.	Subitem(s) A, B
Kyle A. Miller M.D.	Subitem(s) A, B
Todd Oberzan M.D.	Subitem(s) A, B

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Darren K. Orme D.O.	Subitem(s) A, B
Gregory J. Orth M.D.	Subitem(s) A, B
Patrick M. O'Toole M.D.	Subitem(s) A, B
John T. Riekhof M.D.	Subitem(s) A, B
Paul A. Rodriguez M.D.	Subitem(s) A, B
Scott L. Rossow D.O.	Subitem(s) A, B
Gregory J. Welle M.D.	Subitem(s) A, B
Mark D. Witaczack D.O.	Subitem(s) A, B
Michael J. Wright M.D.	Subitem(s) A, B
Hilary Zarnow M.D.	Subitem(s) A, B

13. The licensee shall perform testing for leakage or contamination of sealed sources in accordance with K.A.R. 28-35-216a.
14. In lieu of an on-site physician, an authorized user shall be available on 24 hour call for emergency consultation to the licensee's clients while services are being performed, and

Notwithstanding the licensure requirements implemented by any other agency, a Nuclear Medical Technologist that meets the following requirements shall be physically present at licensee client facilities to perform procedures ordered by the authorized users listed on this license. The requirements for the Nuclear Medicine Technologist shall be one of the following:

(1) The individual must be a Registered or Certified Nuclear Medicine Technologist and be able to perform the procedures independently; or

(2) The individual must:

- (a) have one year of clinical or academic training in Radiologic Technology;
- (b) have one year of supervised "on the job" training in nuclear medicine at Hays Medical Center;
- (c) have basic CPR certification;
- (d) demonstrate proficiency and competency in nuclear medicine procedures and nuclear imaging equipment as assessed by a Certified or Registered Nuclear Medicine Technologist;
- (e) be able to work independently; and
- (f) demonstrate competency in intravenous injections.

15. The use of radioactive material in or on humans shall be by a physician.

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16. Sealed sources containing radioactive material shall not be opened.
  17. 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.
    - (3) PET radiopharmaceuticals for which an NDA or IND is not required and shall fully comply with all USP standards and monographs pertaining to PET drugs.
  - 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.
18. The licensee may transport radioactive material or deliver radioactive material to a carrier for transport, in accordance with the provisions of K.A.R. 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", Part 6, "Use of Radioactive Materials in the Healing Arts" and Part 10, "Notices, Instructions and Reports to Workers; Inspections".
  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 application dated June 10, 2013, signed by Lisa Arington, with attachments.
    - b. The electronic mail dated August 22, 2013, from Paul Flaten, with attachments.
    - c. The electronic mail dated August 27, 2013, from Paul Flaten, with attachments.
    - d. The letter dated June 3, 2014, signed by Paul Flaten, with attachments.

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- e. The electronic mail dated June 14, 2014, from Paul Flaten, with attachments.
- f. The electronic mail dated August 1, 2014, from Paul Flaten, with attachments.
- g. The letter dated October 1, 2014, signed by Paul Flaten, with attachments.
- h. The electronic mail dated October 30, 2014 from Paul Flaten, with attachments.
- i. **The electronic mail dated December 9, 2014, from Paul Flaten, with attachment(s).**

FOR THE STATE DEPARTMENT OF HEALTH AND ENVIRONMENT

Date February 10, 2015

By: \_\_\_\_\_



Thomas A. Conley, CHP  
Radiation Control Program

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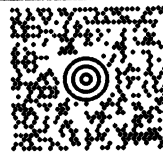
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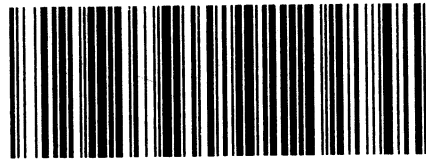
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