

NRC FORM 313

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 01/31/2023

(01-2020)  
10 CFR 30, 32,  
33, 34, 35, 36,  
37, 39, and 40



## APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Information Services Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollects.Resource@nrc.gov](mailto:Infocollects.Resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOS-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

### APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

MATERIALS SAFETY LICENSING BRANCH  
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

### ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

#### IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, RHODE ISLAND, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,

#### SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PA 19406-2713

#### IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

#### IF YOU ARE LOCATED IN:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING,

#### SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
1600 E. LAMAR BOULEVARD  
ARLINGTON, TX 76011-4511

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

#### 1. THIS IS AN APPLICATION FOR (Check appropriate item)

- ☐ A. NEW LICENSE
- ☒ B. AMENDMENT TO LICENSE NUMBER 49-15978-01
- ☐ C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

#### 2. NAME AND MAILING ADDRESS OF APPLICANT (Include zip code)

Ivinson Memorial Hospital  
255 North 30th Street  
Laramie, WY 82072-5195

#### 3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED

Ivinson Memorial Hospital  
255 North 30th Street  
Laramie, WY 82072-5195

#### 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Pamela Wickkiser, MBA Senior Director of Ancillary Services

BUSINESS TELEPHONE NUMBER  
307-755-4630

BUSINESS CELLULAR TELEPHONE NUMBER  
570-905-6710

#### BUSINESS E-MAIL ADDRESS

[pwickkiser@ivinsonhospital.org](mailto:pwickkiser@ivinsonhospital.org)

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

#### 5. RADIOACTIVE MATERIAL

- a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

#### 6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

#### 7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

#### 8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

#### 9. FACILITIES AND EQUIPMENT.

#### 10. RADIATION SAFETY PROGRAM.

#### 11. WASTE MANAGEMENT.

#### 12. LICENSE FEES (Fees required only for new applications, with few exceptions\*)

(See 10 CFR 170 and Section 170.31)

\*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE  
CATEGORY

AMOUNT  
ENCLOSED \$

PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html>.

#### 13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 37, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

#### CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Pamela Wickkiser, Senior Director of Ancillary Services

#### SIGNATURE

*Pamela Wickkiser*

#### DATE

11/16/21

### FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

November 15, 2021

Nuclear Materials Licensing Branch  
U.S. Nuclear Regulatory Commission, Region IV  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

RE: **Request for License Amendment**  
Ivinson Memorial Hospital  
NRC License No. 49-15978-01

Dear Sir or Madam,

We wish to amend NRC License No. 49-15978-01 in the following ways:

1. Add the following Authorized Users. Supporting documents are enclosed for your review.

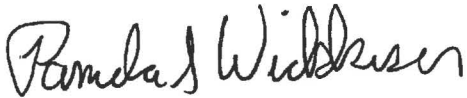
Authorized User	Material and Use	License Number and Supporting Documents
John P. Stamato, M.D.	35.300, 35.400	NRC 49-10982-02
John R. Bodenhamer, M.D.	35.100, 35.200, Oral administration of sodium iodide-131	CO 1255-01
Gabriel Edwards, M.D.	35.100, 35.200	CO 1255-01
Justin Monroe, M.D.	35.100, 35.200, Oral administration of sodium iodide-131	CO 1255-01
Richard J. Pacini, M.D.	35.100, 35.200, Oral administration of sodium iodide-131	CO 1255-01

2. Remove the following Authorized User.

Authorized User
Christopher M. Fleener, M.D.
Curtis L. Markel, M.D.
Andrew D. Mills, M.D.
Michael Rogan, M.D.
Thomas Patrick Sullivan, M.D.

If you have any questions regarding this amendment request or require further information, please contact me or our medical physicist, Joel McAllister, M.S., DABR, at (913) 579-6747 ([mcallister.joel@yahoo.com](mailto:mcallister.joel@yahoo.com)).

Sincerely,



Pamela Wickkiser, MBA  
Senior Director of Ancillary Services  
[pwickkiser@ivinsonhospital.org](mailto:pwickkiser@ivinsonhospital.org)  
(307) 755-4630



Jeanne M. Hennemann, M.D.  
Radiation Safety Officer  
[jhennemann@ivinsonhospital.org](mailto:jhennemann@ivinsonhospital.org)

Enclosures

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## U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 3 PAGES  
Amendment No. 32

## 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, 37, 39, 40, 70 and 71, 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 letters dated January 6, 2015 and February 8, 2015	
1. Memorial Hospital of Sheridan County	3. License number 49-10982-02 is amended in its entirety to read as follows:	
2. 1401 West 5th Street Sheridan, Wyoming 82801	4. Expiration date-December 31, 2021	
	5. Docket No. 030-13772 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. 1,100 millicuries
D. Any byproduct material permitted by 10 CFR 35.400	D. Sealed sources (M. Health Physics Service, and Minnesota Mining and Manufacturing Model Series 6500, formerly Model 6600).	D. 500 millicuries
E. Any byproduct material permitted by 10 CFR 31.11	E. Prepackaged kits	E. 50 millicuries
9. Authorized use:		
A. Any uptake, dilution and excretion studies permitted by 10 CFR 35.100.		
B. Any imaging and localization studies permitted by 10 CFR 35.200.		
C. Any use permitted by 10 CFR 35.300.		
D. For storage only.		
E. <u>In vitro</u> studies		

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<b>MATERIALS LICENSE SUPPLEMENTARY SHEET</b>	License Number <b>49-10982-02</b>
	Docket or Reference Number <b>030-13772</b>
	Amendment No. <b>32</b>

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities located at 1401 West 5th Street, Sheridan, Wyoming.
11. The Radiation Safety Officer for this license is William Byron Taylor III, M.D.
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 10 CFR 35.13 and 35.14.
  - B. The following individuals are authorized users for the material and medical uses indicated:
 

<u>Authorized Users</u>	<u>Material and Use</u>
Robert L. Stears, M.D.	35.100; 35.200; Oral administration of sodium iodide I-131; 31.11
Jason M. White, M.D.	35.100; 35.200; Oral administration of sodium iodide I-131; 31.11
Daniel R. Alzheimer, M.D.	35.100; 35.200; Oral administration of sodium iodide I-131; 31.11
William Byron Taylor III, M.D.	35.100; 35.200; Oral administration of sodium iodide I-131; 31.11
Michael W. Brennan, M.D.	35.200
Joseph Garcia, M.D.	35.200
John P. Stamato, M.D.	35.300; 35.400
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 financial assurance for decommissioning.
14. 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 sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 3 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.
15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."



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U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
49-10982-02Docket or Reference Number  
030-13772

Amendment No. 32

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. 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.

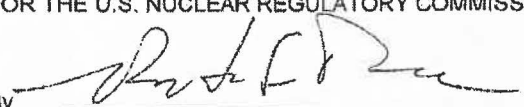
- A. Application dated August 26, 2011 (ML11244A032)  
B. Letter dated December 8, 2011 (ML113480266)  
C. Facsimile dated July 22, 2014 (ML14218A442)  
D. Letter dated February 8, 2015 with enclosure (ML15042A371)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date February 11, 2015

By

  
Roberto J. Torres, M.S., Senior Health Physicist  
Nuclear Materials Safety Branch B  
Region IV  
Arlington, Texas 76011-4511



## **RADIOACTIVE MATERIALS LICENSE**

Pursuant to the Colorado Radiation Control Act, Title 25, Article 11, Colorado Revised Statutes, and the State of Colorado Rules and Regulations Pertaining to Radiation Control (the Regulations) and in reliance on statements and representations heretofore made by the licensee designated below; a license is hereby issued authorizing such licensee to transfer, receive, possess and use the radioactive material(s) designated below; and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders now or hereafter in effect of the Colorado Department of Public Health and Environment and to any conditions specified below.

1. Licensee: Longs Peak Hospital
2. Mailing address: 1750 East Ken Pratt Boulevard, Longmont, Colorado 80504
3. License number: CO 1255-01, amendment number 10
4. Expiration date: July 31, 2022
5. Authorized storage/use locations:
  - A. 1750 East Ken Pratt Boulevard, Longmont, Colorado 80504
  - B. 2750 Broadway, Boulder, Colorado 80304
6. Designated Radiation Safety Officer: Deirdre H. Elder, M.S., DABHP
7. Radiation Safety Officer contact number: (720) 848-6549
8. Fee category: 7.C
9. Reference number: CO 487-01

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### **Conditions**

#### **10. Authorized radioactive material and uses:**

- A. The licensee is authorized to possess and use any unsealed radioactive material for uptake, dilution, or excretion studies which has been prepared for medical use in accordance with the requirements of Section 7.30 of the Regulations. The licensee shall not possess more than 370 GBq (10 Ci) of these materials at any one time.

- B. The licensee is authorized to possess and use any unsealed radioactive material for imaging and localization studies which has been prepared for medical use in accordance with the requirements of Section 7.32 of the Regulations. The licensee shall not possess more than 370 GBq (10 Ci) of these materials at any one time.
- i. This authorization includes radioactive aerosols and gases in accordance with Section 7.34 of the Regulations.
- C. The licensee is authorized to possess any unsealed radioactive material for which a written directive is required which has been prepared for medical use in accordance with the requirements of Section 7.36 of the Regulations. The licensee shall not possess more than 370 GBq (10 Ci) of these materials at any one time. The licensee is authorized to use these materials as per the following authorized subsections of Section 7.36 only:
- i. Use of any unsealed radioactive material for diagnostic or therapeutic medical use for which a written directive is required in accordance with Section 7.36.2 of the Regulations.
  - ii. Use limited to oral administration of  $\leq 1.22$  GBq (33 mCi) of iodine-131 Sodium Iodide in accordance with Section 7.36.3 of the Regulations.
  - iii. Use limited to oral administration of  $> 1.22$  GBq (33 mCi) of iodine-131 Sodium Iodide in accordance with Section 7.36.4 of the Regulations.
  - iv. Use limited to parenteral administration in accordance with Section 7.36.5 of the Regulations.
- D. The licensee is authorized to possess and use no more than 30 GBq (811 mCi) of yttrium-90 microspheres for use in a Sirtex SIR-Spheres® (MS-SIR) brachytherapy afterloader system in accordance with Section 7.62 of the Regulations. The total activity of yttrium-90 contained in each vial shall not exceed 10.97 GBq (296 mCi).
- E. The licensee is authorized to possess and use no more than 80 GBq (2.16 Ci) of yttrium-90 microspheres for use in a BWXT ITG Canada, Inc. TheraSphere® (MS-TS) therapy device in accordance with Section 7.62 of the Regulations. The total activity of yttrium-90 contained in each vial shall not exceed 20 GBq (540 mCi).
- F. The licensee is authorized to possess and use any radioactive materials specified in Section 7.19 of the Regulations for check, calibration, and reference use.
- G. In addition to the limits specified in Items 10.A through 10.F, the licensee shall limit the total activity of all radioactive materials in unsealed form, on foils or plated sources, or sealed in glass in its possession to not more than the quantities in Part 3 Schedule 3E of the Regulations.



## 11. Authorized users:

A. The following individuals are designated as associate radiation safety officers:

Name of Associate Radiation Safety Officer (ARSO)	Duties and tasks by types of authorized uses
Megan Brown, M.S.	7.30, 7.32, 7.36, 7.62(MS-SIR), 7.62(MS-TS)
Joel McAllister, M.S.	7.30, 7.32, 7.36, 7.62(MS-SIR), 7.62(MS-TS)

B. Radioactive material authorized in Item 10 shall be used by or under the supervision of the following authorized users as specified:

Name of Authorized User	Authorized use(s)
Wendy Austin, M.D.	7.32
Becky Benz, M.D.	7.30, 7.32
Bruce A. Berkowitz, M.D.	7.30, 7.32, 7.36.3, 7.36.4
John R. Bodenhamer, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Joseph M. Carabetta, M.D.	7.30, 7.32
Kenneth K. Cicuto, M.D.	7.30, 7.32, 7.36.3, 7.36.4, 7.62(MS-SIR), 7.62(MS-TS)
Jamie S. Colonnello, M.D.	7.30, 7.32, 7.36.3
Nicholas J. Constantine, M.D.	7.30, 7.32
Winfield M. Craven, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Anthony H. Doing, M.D.	7.32
Tristan Dow, M.D.	7.32
Jason P. Doye, M.D.	7.30, 7.32
Thomas R. Drake, M.D.	7.30, 7.32
Thomas R. Dunphy, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Gabriel Edwards, M.D.	7.30, 7.32, 7.62(MS-TS)
Christopher M. Fleener, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Michael J. Geraghty, M.D.	7.30, 7.32, 7.36.3, 7.36.4
C. Patrick Green, M.D.	7.32
Deborah Z. Gunderson, M.D.	7.30, 7.32, 7.36.2
Amy S. Hayes, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Jeanne M. Hennemann, M.D.	7.30, 7.32, 7.36.3
Sarah Jess, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Paul W. Johnson, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Isaac S. Jones, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Alistair Jordan, D.O.	7.30, 7.32, 7.62(MS-SIR), 7.62(MS-TS)
Michael Leigh Larson, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Kevin J. Limbaugh, M.D.	7.30, 7.32, 7.36.2
Karl E. Magsamen, M.D.	7.30, 7.32
Curtis L. Markel, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Andrew D. Mills, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Justin Monroe, M.D.	7.30, 7.32, 7.36.3, 7.36.4, 7.62(MS-TS)
John B. Oldemeyer, M.D.	7.32
Richard J. Pacini, M.D.	7.30, 7.32, 7.36.3, 7.36.4

Name of Authorized User	Authorized use(s)
Steven H. Peck, M.D.	7.30, 7.32, 7.36.3, 7.36.4, 7.62(MS-SIR), 7.62(MS-TS)
Matthew Purvis, M.D.	7.32
Lance C. Richards, D.O.	7.32
Richard Ruderman, M.D.	7.30, 7.32
Nicholas Statkus, M.D.	7.30, 7.32
Chad L Stoltz, M.D.	7.32
Stephen A. Treat, M.D.	7.32
Stanley W. Weinstein, M.D.	7.30, 7.32, 7.36.3, 7.36.4
Jeffrey R. Weissman, M.D.	7.30, 7.32, 7.36.3, 7.36.4

C. The following individuals are designated as authorized medical physicists:

Name of Authorized Medical Physicist	Authorized use
Megan Brown, M.S.	7.62(MS-SIR), 7.62(MS-TS)
Steven M. Jones, M.S.	7.62(MS-SIR), 7.62(MS-TS)
Joel McAllister, M.S.	7.62(MS-SIR), 7.62(MS-TS)
J. Michael Seamon, M.S.	7.62(MS-SIR), 7.62(MS-TS)
Christopher G. Waite-Jones, M.S.	7.62(MS-SIR), 7.62(MS-TS)

- D. Radioactive materials authorized in Items 10.D and 10.E require an authorized medical physicist listed on this license to calculate or review the calculation of the dose to the treatment and other sites, prepare or directly supervise the dose for administration, and perform or directly supervise the pre and post administration vial dose measurements.
- E. Radioactive material specified in Section 7.19 of the Regulations may be used by or under the supervision of any of the authorized users listed above, by the designated Radiation Safety Officer or an Associate Radiation Safety Officer, and by any authorized medical physicist listed on this license.
- F. The Radiation Safety Officer shall maintain documentation of the training and experience for each authorized user of radioactive materials. This documentation shall include for each user: a copy of the applicable board certifications, preceptor statements, and any other relevant training documents.

## 12. General requirements:

- A. The licensee shall comply with the provisions of the Regulations: Part 1, "General Provisions"; Part 3, "Licensing of Radioactive Material"; Part 4, "Standards for Protection Against Radiation"; Part 7, "Use of Radionuclides in the Healing Arts"; Part 10, "Notices, Instructions and Reports to Workers; Inspections"; and Part 17, "Transportation of Radioactive Material".

- B. The licensee shall not transfer possession and/or control of radioactive materials or items contaminated with radioactive material except: by transfer of waste to an authorized recipient; by transfer to a specifically licensed recipient; or, as provided otherwise by specific condition of this license pursuant to the requirements of Part 3, Section 3.22 of the Regulations.
- C. Radioactive material authorized by Item 10 of this license shall be stored and used in a manner that will preclude possession or use by unauthorized personnel.
- D. The licensee shall ensure that information listed in this license is correct and accurate. The licensee shall notify the department in writing within 10 days whenever the information contained in Items 1 through 7 above is no longer current or determined to be incorrect.
- E. The licensee may transport radioactive material or deliver radioactive material to a carrier for transport in accordance with the provisions of Part 17 of the Regulations and the requirements of U.S. Department of Transportation (49 CFR).
- F. The licensee shall not make any false statement, representation, or certification in any application, record, report, plan, or other document regarding radiation levels, tests performed or radiation safety conditions or practices.
- G. The Radiation Safety Officer shall maintain documentation of the training and experience for each person who uses radioactive materials under the supervision of an authorized user.
- H. Each person who uses radioactive material under the supervision of an authorized user shall be supervised and receive instruction in accordance with the requirements of Section 7.10 and Section 10.3 of the Regulations.

### **13. Specific radiation safety requirements:**

- A. The licensee shall acquire and maintain a current copy of the applicable Sealed Source and Device Registry Evaluation for each brachytherapy device/source in use by the licensee. Unless alternative operating procedures are specifically authorized by this license, the licensee shall comply with the safety precautions and limitations established in the applicable device registry evaluation.
- B. Authorized users of radioactive materials in Item 10.D and any authorized users subsequently approved for use, shall complete the Sirtex SIR-Spheres® training prior to initial use.
- C. The Sirtex SIR-Spheres® therapy device shall be used with the delivery set and delivery box in accordance with the manufacturer's instructions.

- D. Authorized users of radioactive materials in Item 10.E and any authorized users subsequently approved for use, shall complete the BWXT ITG Canada, Inc. TheraSphere® Radiotherapy System training program prior to initial use.
- E. The BWXT ITG Canada, Inc. TheraSphere® system shall be used with the administration set and accessory kit in accordance with the manufacturer's instructions. Only an inflation syringe capable of delivering a liquid volume of 20cc with a minimum pressure of 10 psi should be used with the Administration Set in accordance with the manufacturer's instructions.
- F. Each sealed source authorized in Item 10 of this license or in Section 7.19 of the Regulations shall be tested for leakage and/or contamination in accordance with the requirements of Section 7.20.2 of the Regulations, and Section 4.16 of the Regulations, at intervals not to exceed six months.

**14. Special license requirements:**

- A. Radioactive materials possession and use at the 1750 E. Ken Pratt Blvd., Longmont, Colorado 80504 location is limited to 7.19, 7.30, 7.32, 7.36.2, 7.36.3, 7.36.4, 7.36.5, 7.62(MS-SIR), and 7.62(MS-TS) uses as authorized by this license.
- B. Radioactive materials possession and use at the 2750 Broadway, Boulder, Colorado 80304 location is limited to 7.19 and 7.32 uses as authorized by this license.

## 15. Licensee commitments and reference documents:

The State of Colorado Rules and Regulations Pertaining to Radiation Control shall govern unless the licensee's statements, representations, and procedures contained in the application and correspondence are more restrictive than the Regulations. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Item 10 of this license in accordance with the statements, representations, and procedures contained in:

- A. the application and attachments dated August 12, 2016; and
- B. the license correspondence and attachments dated October 25, 2016; November 21, 2016; February 20, 2017; July 18, 2017; December 22, 2017; March 12, 2018; June 25, 2018; September 17, 2018; November 1, 2018; June 27, 2019; July 22, 2019; November 25, 2019; December 30, 2019; May 18, 2020; August 19, 2020; February 22, 2021; April 8, 2021; April 19, 2021; June 17, 2021; October 1, 2021; and October 6, 2021.

**For the Colorado Department of Public Health and Environment**

Date: 10/12/2021 By: \_\_\_\_\_





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ORIGIN ID: HNXA (307) 755-2757  
IVINSON HOSPITAL  
IVINSON MEMORIAL HOSPITAL  
255 NORTH 30TH STREET

SHIP DATE: 22NOV21  
ACTWGT: 1.00 LB  
CAD: 2053257/NET4400

LARAMIE, WY 82072  
UNITED STATES US

BILL SENDER

TO NUCLEAR MATERIALS LICENSING  
IS NUCLEAR REG COMMISSION  
1600 E LAMAR BLVD

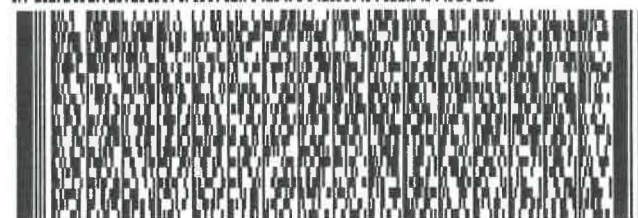
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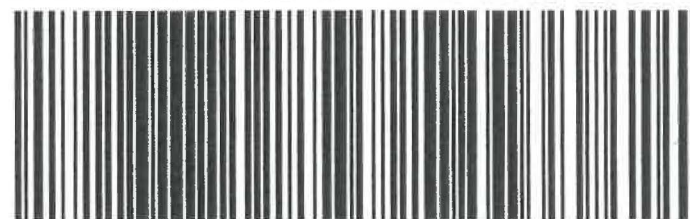
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