



MAUI MEMORIAL  
MEDICAL CENTER



*RITC*

October 18, 2012

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

Subject: Notification  
NRC License No. 53-13519-01  
Docket No. 030-03561

Dear License Reviewer:

Our Radiation Safety Committee has approved the following physicians as Authorized Users:

Dennis Kumura, M.D. for use of byproduct materials listed in 10 CFR 35.100, 35.200, and 35.300. Dr. Kumura is currently authorized for these uses on NRC License #53-16929-01 issued to Castle Medical Center. A copy of this license is enclosed.

Michael Sassman, M.D. for use of byproduct materials listed in 10 CFR 35.100 and 35.200. Dr. Sassman is currently authorized for these uses on Colorado Radioactive Materials License #1063-01 issued to Centura Health Parker Adventist Hospital. A copy of this license is enclosed.

In addition, please remove the following physicians from the list of authorized users:

- Sheri W. Armstrong, M.D.
- James Bendon, M.D.
- David Heeney, M.D.
- Andrew V. Kayes, M.D.
- Christopher Neal, M.D.
- Lee E. Miyasato, M.D.

If you require any additional information please contact our radiation safety consultant, Ronald Frick at 808-373-7009.

Sincerely,

Wesley P. Lo  
Chief Executive Officer

**PUBLIC**

- Immediate Release
- Normal Release

**NON-PUBLIC**

- A.3 Sensitive-Security Related
- A.7 Sensitive Internal
- Other: \_\_\_\_\_

Reviewer: RITC Date: 10-29-12

**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.

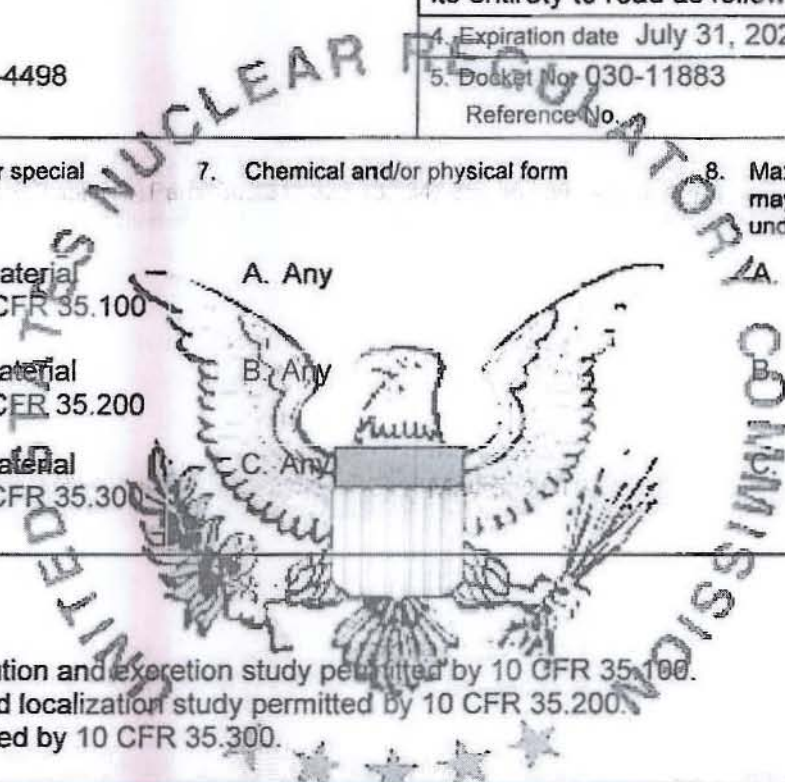
<p>Licensee</p> <p>1. Castle Medical Center</p> <p>2. 640 Ulukahiki Street Kailua, Hawaii 96734-4498</p>	<p>In accordance with application dated May 5, 2012</p> <p>3. License number 53-16929-01 is renewed in its entirety to read as follows:</p> <p>4. Expiration date July 31, 2022</p> <p>5. Docket No. 030-11883 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>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. 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 total</p>
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<p>9. Authorized use:</p> <p>A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.</p> <p>B. Any imaging and localization study permitted by 10 CFR 35.200.</p> <p>C. Any use permitted by 10 CFR 35.300.</p>
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**CONDITIONS**

- 10. Licensed material may be used and/or stored only at the licensee's facility located at 640 Ulukahiki Street, Kailua, Hawaii (island of Oahu).
- 11. The Radiation Safety Officer for this license is Ronald W. Frick, 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 and/or authorized nuclear pharmacist in accordance with 10 CFR 35.13 and 35.14.



**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
53-16929-01

Docket or Reference Number  
030-11883

Amendment No. 40

B. The following individuals are authorized users for material and medical uses indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Kim Mika Fujinaga, M.D.	35.100; 35.200
Ann Asako Ohata, M.D.	35.100; 35.200
Kevin N. Kon, M.D.	35.100; 35.200
Ian Robert Cunningham, M.D.	35.100; 35.200
Jerel K. Saito, M.D.	35.100; 35.200
Venerando S. Seguritan, M.D.	35.100; 35.200
Ryan L. Albritton, M.D.	35.100; 35.200
Kenneth S. Allison, Jr., M.D.	35.100; 35.200
Robert M. DiMauro, M.D.	35.100; 35.200; 35.300
Dennis H. Kumura, M.D.	35.100; 35.200; 35.300
Joel R. Okazaki, M.D.	35.100; 35.200; 35.300
Lansdale Lau, M.D.	35.100; 35.200; oral administration of sodium iodide I-131 in quantities less than or equal to 33 millicuries
Norman O. Polk, M.D.	35.100; 35.200; oral administration of sodium iodide I-131 in quantities less than or equal to 33 millicuries; Phosphorus-32 for treatment of polycythemia vera leukemia and bone metastases

13. For sealed sources not associated with 40 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 in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of 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.
- D. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.

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- E. 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.
- F. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the 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. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region IV, 1600 East Lamar Boulevard, Arlington, Texas 76011-4511, ATTN: Director, Division of Nuclear Materials Safety. The report shall specify the source involved, the test results, and corrective action taken.
- G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- H. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.
14. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee.
15. 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.
16. 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.
17. 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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SUPPLEMENTARY SHEET**License Number  
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030-11883

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18. 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 5, 2012 (ML 121447309)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date July 2, 2012

BY

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

# STATE OF COLORADO

## RADIOACTIVE MATERIALS LICENSE



Colorado Department  
of Public Health  
and Environment

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: Centura Health Parker Adventist Hospital
2. Mailing Address: 9395 Crown Crest Boulevard, Parker, Colorado 80138
3. License Number: Colo. 1063-01, Amendment Number 10
4. Expiration date: November 30, 2013
5. Authorized Storage/Use Location: 9395 Crown Crest Boulevard, Parker, Colorado 80138
6. The Designated Radiation Safety Officer is: Dan Marvel, M.S.  
The Designated Alternate Radiation Safety Officers are: Gregory Lee Gibbs, M.S.;  
Richard McKeown, M.S.; Jennifer Stickel, Ph.D.; and Gerald White, M.S.
7. Radiation Safety Officer Contact Number: (303) 506-2461
8. Fee Category: 7.C
9. Reference Number:

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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.

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RADIOACTIVE MATERIALS LICENSE**

- 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 and use 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.
  - i. Use limited to oral administration of  $\leq 1.22$  GBq (33 mCi) of I-131 Sodium Iodide in accordance with Section 7.36.3 of the Regulations
  - ii. Use limited to oral administration of  $> 1.22$  GBq (33 mCi) of I-131 Sodium Iodide in accordance with Section 7.36.4 of the Regulations
  
- D. 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.

**11. Authorized Users:**

- A. 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	Description of Materials Authorized
Mitchell Achee, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Michael Bennett, M.D.	10.A, 10.B
Sean Bryant, M.D.	10.A, 10.B
Ana Cajade-Law, M.D.	10.A, 10.B
Michael Degroot, M.D.	10.A, 10.B
Lawrence Emmons, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Alexandra Fortner, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Monique Fox, M.D.	10.A, 10.B
Garret Gannuch, M.D.	10.A, 10.B
Stephen George, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
John Gerhold, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Scott Glasser, M.D.	10.A, 10.B
Richard Grzbowski, M.D.	10.A, 10.B
Stephen Gunberg, M.D.	10.A, 10.B
Eric Handley, M.D.	10.A, 10.B
Jason Handwerker, M.D.	10.A, 10.B

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Name of Authorized User	Description of Materials Authorized
Vincent Herlihy, M.D.	10.A, 10.B
Gerald Horgan, M.D.	10.A, 10.B
Peder Horner, M.D.	10.A, 10.B
Zubier Jaffer, M.D.	10.A, 10.B
Trystain Johnson, M.D.	10.A, 10.B
Robert Johnston, M.D.	10.A, 10.B
Jennifer Kemp, M.D.	10.A, 10.B
Craig Kornbluth, M.D.	10.A, 10.B
Adam Kowalski, M.D.	10.A, 10.B
Michele Lajaunie, M.D.	10.A, 10.B
John Lewin, M.D.	10.A, 10.B
Kelly Lindauer, M.D.	10.A, 10.B
Kim McMillin, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Andrew Meade, M.D.	10.A, 10.B
Randy Mound, M.D.	10.A, 10.B
Lisa Niebergall, M.D.	10.A, 10.B
Michael Oakes, M.D.	10.A, 10.B
Nicole Restauri, M.D.	10.A, 10.B
Eric Robbins, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Bradford Robinson, M.D.	10.A, 10.B
John Roth, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Carol Rymer, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Michael Sassman, M.D.	10.A, 10.B
Barry Schoelch, D.O.	10.A, 10.B
Jerome Schroeder, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Dietrich Schultze, M.D.	10.A and 10.B
Stephen Shealy, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Brian M. Steele, M.D.	10.A, 10.B
Perry Stevens, M.D.	10.A, 10.B
Michael Stone, M.D.	10.A, 10.B
Janice Ugale, M.D.	10.A, 10.B
Wayne Wenzel, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
James Wilson, M.D.	10.A, 10.B, 10.C.i, 10.C.ii
Charles Edwin Winn II, M.D.	10.A, 10.B
Raymond Yost, M.D.	10.A, 10.B, 10.C.i, 10.C.ii

B. Radioactive material authorized in Item 10.D may be used by or under the supervision of any of the authorized users listed above and by the designated Radiation Safety Officer and alternate RSOs listed on this license.



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- C. 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 all applicable provisions of the Regulations including: 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 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.
- C. 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.
- D. 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.
- E. 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.
- F. The licensee shall ensure that information listed in this license is correct and accurate. The licensee shall notify the Department in writing within ten (10) days whenever the information contained in Items 1 through 7 above is no longer current or determined to be incorrect.
- G. 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).
- H. 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.



DATE  
10/30/2012

NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE  Maui Memorial Medical Center Radioisotope Service ATTN: Ronald Frick Radiation Safety Consultant 221 Mahalani Street Wailuku, HI 96793	LICENSE NUMBER 53-13519-01
	MAIL CONTROL NUMBER 579300
	LICENSING AND/OR TECHNICAL REVIEWER cmurnahan <i>cm</i>

This is to acknowledge the receipt of your:

LETTER and/or  APPLICATION DATED: 10/23/2012

The initial processing, which included an administrative review, has been performed.

AMENDMENT  TERMINATION  NEW LICENSE  RENEWAL

- There were no administrative omissions identified during our initial review.
- This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.
- Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, located at the following link:

<http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>

Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387

A copy of your action has been emailed to our License Fee and Accounts Receivable Branch, in our Headquarters office in Rockville, MD. You will be contacted separately if there is a fee issue involved.

Your application has been assigned the above listed **MAIL CONTROL NUMBER**. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region IV  
U. S. Nuclear Regulatory Commission  
DNMS/NMSB - B  
1600 E. Lamar Blvd.  
Arlington, TX 76011-4511  
(817) 200-1103 or (817)-200-1140

*e-mailed to licensee  
10-30-12 cm*

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM WBL

Program Code: 02120  
Status Code: Pending Amendment  
Fee Category: 7C  
Exp. Date: 05/31/2011  
Fee Comments:  
Decom Fin Assur Reqd: N

## License Fee Worksheet - License Fee Transmittal

### A. REGION

#### 1. APPLICATION ATTACHED

Applicant/Licensee: MAUI MEMORIAL MEDICAL CENTER  
Received Date: 10/23/2012  
Docket Number: 3003561  
Mail Control Number: 579300  
License Number: 53-13519-01  
Action Type: Amendment

#### 2. FEE ATTACHED

Amount: \_\_\_\_\_

Check No.: \_\_\_\_\_

#### 3. COMMENTS

Signed: Colleen Murnaghan

Date: 10-26-12

### B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / / )

1. Fee Category and Amount: \_\_\_\_\_

#### 2. Correct Fee Paid. Application may be processed for:

Amendment: \_\_\_\_\_

Renewal: \_\_\_\_\_

License: \_\_\_\_\_

3. OTHER \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_