

Memorial Hospital of Sweetwater County  
1200 College Drive  
Rock Springs, WY 82901

Sept. 1, 2009

License Number 49-17940-01

Mr. Torres,

Please accept the following request to add Richard D. Clark , MD as an authorized user per NRC provision 35:14 notification process. Attached is a copy his Oregon Radioactive Materials License. If you have any specific questions regarding this license, Julian Manders RSO Bay Hospital Coos Bay, OR would be helpful to contact. 541-269-8536

Please call me at 307-352-8387 , if you have any questions.

35.100  
35.200

Thank you for your time and effort.

Sincerely,



Keith Carnahan RT N RSO

RECEIVED

SEP 09 2009

DNMS

*Originally  
rec'd via fax  
on 9/01/09  
Cm*



Bay Area Hospital  
1775 Thompson Road  
Coos Bay OR 97420  
(541) 289-8111

DATE: 1 SEP 09

TO: KEITH CARNANAN

BUSINESS:

DEPARTMENT:

FROM: Radiation Therapy Center  
(541)289-8520

SUBJECT DR. CLARK

DEPARTMENT:

TOTAL NUMBER OF PAGES BEING SENT: 6  
(Includes this cover letter)

TRANSMITTING FROM FAX #: (541) 287-5083

CONFIDENTIAL

DELIVER IMMEDIATELY

PLEASE FORWARD

PLEASE RESPOND

MESSAGE: RAM LICENSE

NOTE: Sender will  will not  forward a hard copy of this document.

NOTICE OF CONFIDENTIALITY

STATE OF OREGON  
 OREGON STATE HEALTH DIVISION  
 DEPARTMENT OF HUMAN SERVICES  
**RADIOACTIVE MATERIALS LICENSE**

Page 1 of 5 Pages  
 License No. ORE-90358  
**Amendment Number 47**

Pursuant to the Radiation Control Act and the Oregon Rules for the Control of Radiation, 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 materials 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 State Health Division and to any and all conditions specified below.

In accordance with letter dated September 19, 2006, Oregon Radioactive Materials License Number ORE-90358 is amended to read as follows:

	3. License Number <b>ORE-90358</b>
1. Name <b>Bay Area Hospital</b>	4. Expiration Date <b>May 31, 2009</b>
2. Address <b>1775 Thompson Road Coos Bay, Oregon 97420</b>	3. Reference Number <b>Medical Diagnostic/Therapy-QMP</b>

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 identified in OAR 333-116-0300	A. Any radiopharmaceutical identified in OAR 333-116-0300	A. As needed. <i>35.100</i>
B. Any radioactive material identified in OAR 333-116-0320	B. Any radiopharmaceutical identified in OAR 333-116-0320	B. As needed. <i>35.200</i>
C. Any radioactive material identified in OAR 333-116-0360	C. Any radiopharmaceutical identified in OAR 333-116-0360	C. 22.2 GBq (600 millicuries).
D. Any radioactive material identified in OAR 333-116-0420	D. Any brachytherapy source identified in OAR 333-116-0420	D. 111 GBq (3,000 millicuries).
E. Gadolinium-153	E. Sealed sources (North American Scientific Model 3601; DuPont Merck Model NES-8412)	E. Two sources not to exceed 11.1 GBq (300 millicuries) each.
F. Fluorine-18	F. Fluoro-2-deoxy-D-glucose	F. 7.4 GBq (200 millicuries).
G. Depleted Uranium	G. Shielding for Varian Clinac Model 6 Linear Accelerator	G. <999 kilograms.

9. Authorized use.

- A. Medical use as described in OAR 333-116-0300.
- B. Medical use as described in OAR 333-116-0320.
- C. Medical use as described in OAR 333-116-0360.

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- 9. Authorized use. (cont.)
  - D. Medical use as described in OAR 333-116-0420.
  - E. For patient transmission determination in ADAC Laboratories Forte camera.
  - F. Medical use as described in OAR 333-116-0320 for imaging and localization on board mobile coach operated by P.E.T. Imaging Services, LLC (Oregon License # ORE-91007).
  - G. Shielding for Varian Clinac Model 6 Linear Accelerator.

**CONDITIONS**

- 10. Licensed radioactive material shall be used only at the licensee's facilities located at 1775 Thompson Road, Coos Bay, Oregon 97420.
- 11. This license is subject to and void without an annual validation certificate. Insofar as the licensee has submitted the proper fee prior to the expiration of a validation certificate, such existing validation certificate shall not expire until the issuance of a new validation certificate for the then current fiscal year.
- 12. The Radiation Safety Officer for the activities authorized by this license is Philip J. Keizer Jr., M.D.
- 13. A. Licensed radioactive material listed in Item 6 above is authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

<u>NAME</u>	<u>USE</u>
<b>John D. Gorman, M.D.</b>	<b>Subitems A and B</b>
<b>David W. Tsai, M.D.</b>	<b>Subitems A and B</b>
<b>Stephen G. Thiede, M.D.</b>	<b>Subitems A and B</b>
<b>John D. Grimme, M.D.</b>	<b>Subitems A and B</b>
<b>Akshay S. Gupta, M.D.</b>	<b>Subitems A and B</b>
<b>Stephanie Telesetsky Young, M.D.</b>	<b>Subitems A and B</b>
<b>Matthew John Thomson, M.D.</b>	<b>Subitems A and B</b>
Charles McGlade, M.D.	Subitems A, B and E
Lee G. Michels, M.D.	Subitems A, B and E
L. Paul Wilson, M.D.	Subitems A, B and E
Cathryn L. Chicola, M.D.	Subitems A, B and E
Charles E. Deaton, M.D.	Subitems A, B and E
Robert Gunderman, M.D.	Subitems A, B and E
James D. Kippen, M.D.	Subitems A, B and E
Bernardo Isuani, M.D.	Subitems A, B and E

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CONDITIONS (cont.)

- (13.) A. 

<u>NAME</u>	<u>USE</u>
Jon E. Ekstrom, M.D.	Subitems A, B, E and F
Philip J. Keizer, Jr. M.D.	Subitems A, B, E and F
Gregory Deke Kienzle, M.D.	Subitems A, B, E and F
Rodger W. Shaver, M.D.	Subitems A, B, E and F
Barbara Michaelis, M.D.	Subitems A, B, E and F
Richard D. Clark, M.D., Ph.D.	Subitems A, B, E and F
Mathews B. Fish, M.D.	Subitems A, B, C, E and F
Carl R. Jenson, M.D.	Subitem D and G
- B. Yttrium-90 Zevalin for treatment of non-Hodgkins lymphoma shall be used by Carl R. Jenson, M.D.
- C. Notwithstanding the requirements of OAR 333-116-0360, iodine-131 for treatment of hyperthyroidism and thyroid carcinoma, may also be used by Barbara Michaelis, M.D., Carl R. Jenson, M.D., or Philip J. Keizer Jr., M.D.
- D. Notwithstanding the requirements of OAR 333-116-0360, strontium-89 and samarium-153 for treatment of bone metastasis, may also be used by Carl R. Jenson, M.D.
14. The licensee is authorized to receive, possess and use as reference and calibration sources:
- A. Sealed sources of radioactive material containing cobalt-57 not to exceed 20 millicuries.
- B. Sealed sources of radioactive material with a half-life longer than 100 days in individual amounts not to exceed 1 millicurie.
- C. Technetium-99m in individual amounts not to exceed 50 millicuries.
- D. Yttrium-90 in individual amounts not to exceed 70 millicuries with maximum possession quantity of 140 millicuries.
15. Insofar as the licensee restricts the possession of radioactive material to quantities below the minimum limit specified in Appendix B of 10 CFR 30.35, the licensee is not required to provide financial assurance pursuant to OAR 333-102-0200(6).
16. A. Notwithstanding the requirement to prepare and use drugs in accordance with the package insert, if, in the judgement of the physician as an authorized user, departures from the package insert, or use of unapproved drugs, is indicated, the physician may perform such procedures consistent with good professional medical practice as judged by the Oregon Board of Pharmacy, the Oregon Board of Medical Examiners, and/or the Oregon Radiation Advisory Board, as appropriate.

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CONDITIONS (cont.)

- (16.) B. Procedures shall be done by or under the supervision of persons whose training meets the requirements in OAR 333-116 and shall be in accordance with safe radiation safety procedures and ALARA in OAR 333-120. Radiopharmaceuticals shall not be used in humans until their pharmaceutical quality and assay have been established. Records documenting radioactive material use described in A. of this condition shall be kept by the licensee until inspection by the Agency.
17. The licensee may use the calicheck or lineator device for doing linearity tests of its dose calibrator provided it follows the manufacturer's instructions and recommendations.
18. A. The licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material in Clinac 600 linear accelerators.
- B. The licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material in molybdenum-99/technetium-99m generators.
19. The licensee is prohibited from redistributing molybdenum-99/technetium-99m generators unless the generator is unopened and remains in its original packaging.
20. Notwithstanding the requirements in OAR 333-120-0180 and 333-116-0260, the licensee is authorized to release a patient who has been administered therapeutic radiopharmaceuticals or permanent implants containing radioactive material if the total effective does equivalent (TEDE) to any other individual is not likely to exceed 500 mrem. Upon release, the licensee shall:
- (1) Provide the patient with written instructions to maintain doses to other individuals as low as reasonably achievable if the TEDE to any other individual is likely to exceed 5 millisieverts (0.5 rem);
  - (2) Maintain, for three years after the date of release, a record of the basis for authorizing patient release if the TEDE is calculated:
    - A. using the retained activity rather than the activity administered
    - B. using an occupancy factor less than 0.25 at 1 meter
    - C. using the biological or effective half-life, or
    - D. considering shielding by tissue
  - (3) Maintain a record, for three years after the date of release, showing that instructions were provided to a breast-feeding woman if the radiation dose to the infant or child from continued breast-feeding could result in a TEDE exceeding 5 millisieverts (0.5 rem).

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CONDITIONS (cont.)

21. Except as specifically provided otherwise by this license, the licensee shall conduct its program in accordance with statements, representations and procedures contained in the documents, including any enclosures listed below. The Oregon Rules for the Control of Radiation shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the rules.
- A. Application dated May 12, 2005, signed by Ben Pfau, Vice President Clinical Support Services.
  - B. Email correspondence dated June 20, 2005, from Douglas Gauntz.
  - C. Letter dated July 21, 2005, signed by Doug Gauntz, BS, RT(R)(CV) CNMT, Manager, Radiology & Medical Imaging Department.
  - D. Letter dated September 6, 2005, signed by Ben Pfau, Vice President, Clinical Support Services.
  - E. Letter dated July 7, 2006, signed by Ben Pfau, Vice President, Clinical Support Services.
  - F. Letter dated September 19, 2006, signed by Ben Pfau, Vice President, Clinical Support Services.

Date: October 30, 2006

FOR DHS PUBLIC HEALTH DIVISION

By *Danny D. Loomis*

Danny D. Loomis, Manager  
Radioactive Materials Licensing Program

## ACCEPTANCE REVIEW MEMO (ARM)

**Licensee:** Memorial Hosp/Sweetwater Cty      **License:** 49-17940-01  
**Docket:** 030-13672      **Mail Control:** 472398  
**Type of Action:** Notify      **Date of Requested Action:** 09-01-09  
**Reviewer Assigned:**      **ARM reviewer(s):** Torres

Response	Deficiencies Noted During Acceptance Review
	[ ] Open ended possession limits. Submit inventory. Limit possession. [ ] Submit copies of latest leak test results. [ ] Add IC L.C./Fingerprint LC, add SUNSI markings to license. [ ] Confirm with licensee if they have NARM material. [ ] Change of contact information (RSO), send request to update IC database.

**Reviewer's Initials:** \_\_\_\_\_ **Date:** \_\_\_\_\_

<input type="checkbox"/> Yes	<input type="checkbox"/> No	Request for unrestricted release Group 2 or >. Consult with Bravo Branch.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Termination request < 90 days from date of expiration
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
<input type="checkbox"/> Yes	<input type="checkbox"/> No	TAR needed to complete action.

**Branch Chief's and/or HP's Initials:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**SUNSI Screening according to RIS 2005-31**

Yes     No    **Sensitive and Non-Publicly Available** if any item below is checked

General guidance:

- \_\_\_\_\_ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- \_\_\_\_\_ Exact location of RAM [suite #, bldg. #, location different from mailing address] (whether = or > than Category 3 or not)
- \_\_\_\_\_ Design of structure and/or equipment (site specific)
- \_\_\_\_\_ Information on nearby facilities
- \_\_\_\_\_ Detailed design drawings and/or performance information
- \_\_\_\_\_ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- \_\_\_\_\_ RAM quantities and inventory
- \_\_\_\_\_ Manufacturer's name and model number of sealed sources & devices
- \_\_\_\_\_ Site drawings with exact location of RAM, description of facility
- \_\_\_\_\_ RAM security program information (locks, alarms, etc.)
- \_\_\_\_\_ Emergency Plan specifics (routes to/from RAM, response to security events)
- \_\_\_\_\_ Vulnerability/security assessment/accident-safety analysis/risk assess
- \_\_\_\_\_ Mailing lists related to security response

**Branch Chief's and/or HP's Initials:** RTZ      **Date:** SEP 15

9-15-09  
DATE

This is to acknowledge the receipt of your letter/application dated 9-01-09, and to inform you that the initial processing, which includes an administrative review, has been performed.

There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify other omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card:

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The action you requested is normally processed within \_\_\_\_\_ days.

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 472398.  
When calling to inquire about this action, please refer to this mail control number.  
You may call me at 817-860-8103.

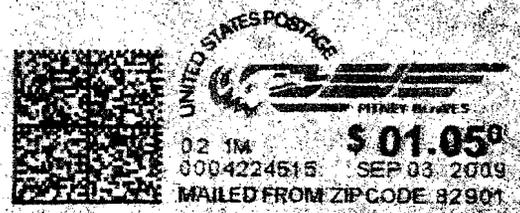
Sincerely,

*Colleen Murnahan*  
Licensing Assistant



in County

901



RECEIVED  
 SEP 03 2009  
 DNMS

U.S. NRC Region IV  
 License Request  
 Texas Health Resources Tower  
 612 E. Lamar Rd., Suite 400  
 Arlington, TX 76011-4125

