

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Bozeman Deaconess
Foundation/Hospital

License No.: 25-10994-04

Docket No.: 030-33305

Mail Control No.: 471168

Type of Action: Notify

Date of Requested Action: 10-12-06

Reviewer Assigned: Jackie

ARM reviewer(s): Torres

Response	Deficiencies Noted During Acceptance Review
	<input type="checkbox"/> Open ended possession limits. Limit possession. Submit inventory. <input type="checkbox"/> Submit copies of most recent leak test results. <input type="checkbox"/> Add - delete IC license condition. Add IC paragraph in cover letter. <input type="checkbox"/> Split license from cover letter. Add SUNSI marking to license. <input type="checkbox"/> Ask the licensee if they have any type-amount of EPAct Material.
<i>MC 1/2</i>	Resubmit request signed by the current RSO or hospital administration.

Reviewer's Initials: *MC*

Date: *11/20/06*

- ☐ Yes ☐ No Unrestricted release Group 2 or >: Transfer memo to FCDB within 10 days.
- ☐ Yes ☐ No Decommissioning notification should be completed within 30 days.
- ☐ Yes ☐ No Termination request < 90 days from date of expiration
- ☐ Yes ☐ No Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
- ☐ Yes ☐ No TAR needed to complete action.

Branch Chief's and/or Sr. HP's Initials: _____

Date: _____

SUNSI Screening according to RIS 2005-31

☐ Yes ☒ No **Non-Publicly Available, Sensitive** 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 (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 Sr. HP's Initials: *RITZ*

Date: *10/30/06*

Pre-Licensing Screening

Applicant Information:

Control No. 471168

Name: Bozeman Deaconess Foundation/Hospital	Type of Request: Notify Program Code(s):
Location: MT	License No.: 25-10994-04 Docket No.: 030-33305

STEP 1—Radioactive Materials and Quantities Requested:

Instructions for Step 1: Complete Step 1 for all applications. If all your responses in Step 1 are "No" then do not complete Step 2 (Screening Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a "yes" response is indicated for any item in Step 1, also complete Step 2. If the type of use is subject to a Security Order or the requirements for increased controls, complete Step 3 (Item A or Item B) without delay.	Yes or No
A. The request is from a new applicant.	No
B. NUREG-1556, Volume 20, Section 4.9 indicates a licensing site visit is needed for the requested type of use, e.g., (1) Type A broad scope license, (2) panoramic irradiator containing > 10000 curies, (3) manufacturers or distributors using unsealed radioactive material or significant quantities of sealed material, (4) radioactive waste brokers, (5) radioactive waste incinerators, (6) commercial nuclear laundries, and (7) any other application that in the judgement of the reviewer and cognizant supervisor involves complex technical issues, complex safety questions, or unprecedented issues that warrant a site visit.	No
C. The applicant requested certain radionuclides and quantities that equal or exceed the Risk Significant Quantity (TBq) values in the table, below, that have been "highlighted" by the reviewer	No

Table of Risk Significant Quantities

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

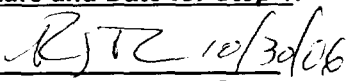
Radionuclide	Risk Significant Quantity (TBq ¹)	Risk Significant Quantity (Ci ¹)	Radionuclide	Risk Significant Quantity (TBq ¹)	Risk Significant Quantity (Ci ¹)
Am-241	0.6	16	Pm-147	400	11,000
Am-241/Be	0.6	16	Pu-238	0.6	16
Cf-252	0.2	5.4	Pu-239/Be	0.6	16
Cm-244	0.5	14	Ra-226 ²	0.4	11
Co-60	0.3	8.1	Se-75	2	54
Cs-137	1	27	Sr-90 (Y-90)	10	270
Gd-153	10	270	Tm-170	200	5,400
Ir-192	0.8	22	Yb-169	3	81

¹ The primary values are TBq. The curie (Ci) values are for informational purposes only.

² The Atomic Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226 and NRC is in the process of amending its regulations for discrete sources of Ra-226.

Calculations of the Total Activity or the Unity Rule are attached to document whether or not the screening criteria in Step 2 were also completed to evaluate the application. NOTE—If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).	Yes, No, or Not Applicable (NA)
Total Activity—multiple activities are requested for a single radionuclide and the sum of the activities equals or exceeds the quantity of concern for the radionuclide	_____
Unity Rule—multiple radionuclides are requested and the sum of the ratios equals or exceeds unity, e.g., [(total activity for radionuclide A) + (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) + (risk significant quantity for radionuclide B)] ≥ 1.0.	_____

Signature and Date for Step 1:


 License Reviewer and Date

**Bozeman Deaconess
HOSPITAL**

October 12, 2006

U.S. Nuclear Regulatory Commission, Region
611 Ryan Plaza Drive
Arlington, Texas 76011-4005

Dear Gentlemen/Ladies;

This communication is to inform you that we are deleting May L. Foo, M.D. from our license # 25-10994-04 under authorized users. (Material and use 10 CFR 35.300 And 35.400.)

Sincerely

John Bratke

John Bratke C.N.M.T
Nuclear Medicine
Bozeman Deaconess Hospital
915 Highland Blvd.
Bozeman, Montana

59715

PHONE 406-585-5033



Bozeman Deaconess
HOSPITAL

OCT 17 2006

October 12, 2006

DNMS

U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive
Arlington, Texas 76011-4005

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Sincerely,

John Bratke C.N.M.T
Nuclear Medicine
Bozeman Deaconess Hospital
915 Highland Blvd.
Bozeman, Montana

59715

PHONE 406-585-5033

406-585-1657 fax

This is to acknowledge the receipt of your letter/application dated
10-12-06, and to inform you that the initial processing,
which includes an administrative review, has been performed.

11-20-06
DATE

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

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

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** 471168.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,



Licensing Assistant

(FOR LEMS USE)
INFORMATION FROM LTS

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Program Code: 02120
Status Code: 0
Fee Category: 7C
Exp. Date: 20150131
Fee Comments:
Decom Fin Assur Req'd: N
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HOSPITAL

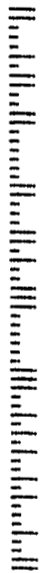
915 Highland Blvd. Bozeman, MT 59715-6999  
(406) 585-5000 FAX (406) 585-1070

US. Nuclear Regulatory Commission Region IV  
611 Ryan Plaza Drive  
Arlington, Texas 76011-4005

030-33305  
25-10994-04

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