ACCEPTANCE REVIEW MEMO (ARM)

License No.: 50-13648-01

Fairbanks Memorial Hospital

Licensee:

Docket No.:	030-03509	Mail Control No.: 471462		
Type of Actio	on: Amend	Date of Requested Action: 08-01-07		
Reviewer Assigned:		ARM reviewer(s): Torres		
Response	Response Deficiencies Noted During Acceptance Review			
	Submit copies of mos Add - delete IC license Split license from cover	on limits. Limit possession. Submit inventory. t recent leak test results. e condition. Add IC paragraph in cover letter. er letter. Add SUNSI marking to license. by have any type-amount of EPAct Material.		
Reviewer's Ir	nitials:	Date:		
□Yes □No		froup 2 or >: Transfer memo to FCDB within 10 days.		
□Yes □No	9	90 days from date of expiration		
□Yes □No	☐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 comple	ete action.		
Branch Chie	ef's and/or Sr. HP's Initial	s: Date:		
	CUNCI Comonii	na consider to DIC 2005 24		
□Yes ☑No		ng 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 facilitiesDetailed design drawings and/or performance informationEmergency 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				

Pre-Licensing Screening

Applicant Information:

Control No. 461462

Name: Fairbanks Memorial Hospital	Type of Request: /anebd Program Code(s):		
Location: AK	License No.: 50-13648-01	Docket No.: 030-03509	

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.		
A.	The request is from a new applicant.	No
В.	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 (TBq¹)	Risk Significant Quantity (Ci ¹)	Radionuclide	Risk Significant Quantity (TBq¹)	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
lr-192	0.8	22	Yb-169	3	81

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

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 Rulemultiple radionuclides are requested and the sum of the ratios equals or exceeds unity, e.g., [(total activity for radionuclide A) \div (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) \div (risk significant quantity for radionuclide B)] \geq 1.0.	

Signature and Date for Step 1:

License Reviewer and Date



Banner Health System

August 1, 2007

Nuclear Materials Licensing Branch United States Nuclear Regulatory Commission Region IV Nuclear Materials Safety Branch 611 Ryan Plaza Drive, Suite 400 Arlington, TX 76011-8064 RECEIVED

AUG 0 3 2007

DNMS

RE: License 50-13648-01

Dear Sir/Madam:

Please amend our radioactive materials license as follows:

- We wish to eliminate Strontium-90 permitted by 10 CFR 35.400 as listed on our license in item
 6 E. This source has been accepted by a licensed vendor for decay and is no longer in our possession. (See attached form)
- We wish to eliminate Samuel McConkey, M.D. as an authorized user for Strontium-90 as listed in Condition 12 on our license.

If you require any additional information, please call.

Sincerely,

Dr. Mark Burton Radiation Safety Officer

Fairbanks Memorial Hospital



6765 Langley Drive

Baton Rouge, Louisiana 70809 Telephone: 225-751-5893

Fax: 225-756-0365

Date: July 23, 2007

Janet Hanchett Fairbanks Memorial Hospital 1650 Cowles Street Fairbanks, AK 99701

Reference: 2007-268

This is to advise that the Radioactive Material as detailed below has been received by QSA Global, Inc as of 7-17-07 and we have taken possession of this source:

Manufacturer	Model	S/N	Isotope	Activity
ICN	RA-1	1332	Sr-90	50 mci on
				Date of Manuafcture

Please retain this record for your files. Should you require further assistance, please contact us at QSA Global, Inc.

Regards,

Rusty Barrett

Justy Banut

Technical Service Manager

VAG - 8 1979

8	s is to acknowledge the receipt of your letter/application dated	DATE	
风	There were no administrative omissions. Your application will be assigned reviewer. Please note that the technical review may identify additional omis require additional information.		
	Please provide to this office within 30 days of your receipt of this card:		
The	e action you requested is normally processed within 90 days.		
	A copy of your action has been forwarded to our License Fee & Accounts R Branch, who will contact you separately if there is a fee issue involved.	eceivable	
Your action has been assigned Mail Control Number When calling to inquire about this action, please refer to this mail control number. You may call me at 817-860-8103.			
	Sincerely,		
	Calleen Murnas	lan	

NRC FORM 532 (RIV) (10-2006)

Licensing Assistant

		: (FOR LFMS USE) : INFORMATION FROM LTS
BET	WEEN:	:
Lic	ense Fee Management Branch, ARM	: Program Code: 02120
Reg	and ional Licensing Sections	: Status Code: 0 : Fee Category: 7C : Exp. Date: 20111231 : Fee Comments: CODE 23 : Decom Fin Assur Reqd: N
LIC	ENSE FEE TRANSMITTAL	
Α.	REGION	
1.	APPLICATION ATTACHED Applicant/Licensee: FAIRBANKS MEMO Received Date: 20070803 Docket No: 3003509 Control No.: 471462 License No.: 50-13648-01 Action Type: Amendment	DRIAL HOSPITAL
2.	FEE ATTACHED Amount: Check No.:	
3.	COMMENTS / Signed (Date _	Colleen Murahan
В.	LICENSE FEE MANAGEMENT BRANCH (Check	k when milestone O3 is entered //)
1.	Fee Category and Amount:	
2.	Correct Fee Paid. Application may Amendment Renewal License	be processed for:
3.	OTHER	
	Signed Date	

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4b Express Freight Service / 7	1 / 6 2 Packages over 150 lbs.
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* Call for Confirmation.	** To most locations.
5 Packaging FedEx Envelope* FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pa	FedEx FedEx Other Tube Coclumed value larer \$500.
6 Special Handling	to Ex (Ex goldino) o in Control of
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If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

Rev Date 10/06-Pert #158279-12:1994 2006 FedEx+PRINTED IN U.S.A.+SHE