## **ACCEPTANCE REVIEW MEMO (ARM)**

Licensee:	Hilo Medical Center	License No.: 53-03506-01		
Docket No.:	030-03542	Mail Control No.: 471517		
Type of Actio	on: Notify	Date of Requested Action: 09-25-07		
Reviewer Assigned:		ARM reviewer(s): Torres		
Response	Deficiencies N	oted During Acceptance Review		
	<ul> <li>[ ] Open ended possession limits. Limit possession. Submit inventory.</li> <li>[ ] Submit copies of most recent leak test results.</li> <li>[ ] Add - delete IC license condition. Add IC paragraph in cover letter.</li> <li>[ ] Split license from cover letter. Add SUNSI marking to license.</li> <li>[ ] Ask the licensee if they have any type-amount of EPAct Material.</li> </ul>			
Reviewer's lı	nitials:	Date:		
<ul> <li>□Yes □No</li> <li>□Yes □No</li> <li>□Yes □No</li> <li>□ Decommissioning notification should be completed within 30 days.</li> <li>□ Yes □No</li> <li>□ Termination request &lt; 90 days from date of expiration</li> <li>□ Yes □No</li> <li>□ Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)</li> <li>□ Yes □No</li> <li>□ TAR needed to complete action.</li> </ul>				
Branch Chief's and/or Sr. HP's Initials: Date:				
	4			
SUNSI Screening according to RIS 2005-31  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				

Date:

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

## **Pre-Licensing Screening**

**Applicant Information:** 

**Control No.** 471517

Name: Hilo Medical Center	Type of Request: Notify Program Code(s): 02120		
Location: HI	License No.: 53-03506-01	Docket No.: 030-03542	

STEP 1-Radioactive Materials and Quantities Requested:

(Screer	ctions for Step 1: Complete Step 1 for all applications. If all your responses in Step 1 are "No" then do not complete Step 2 ining Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a esponse 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 ments 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
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 <sup>1</sup> )	Radionuclide	Risk Significant Quantity (TBq¹)	Risk Significant Quantity (Ci <sup>1</sup> )
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 <sup>2</sup>	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) ÷ (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:

77 OCT -3 2007

License Reviewer and Date



U.S. Nuclear Regulatory Commission Region IV Material Radiation Protection Section 611 N. Ryan Plaza Drive, Suite 400 Arlington, TX 76011 9.19.2007

Re: Hilo Medical Center Radioactive Materials License License No. 53-03506-01 Docket No. 0300-03542

To Whom It May Concern:

This letter is requesting amending Hilo Medical Center's Authorized Users list. Please remove the following users from the license: Dr. Brian Funaki and Dr. David Brown

RECEIVED

SEP 2 5 2007

**DNMS** 

If there are any questions please contact Reynold Cabarloc at 808-933-0637 or Harry Palmer at 808-547-9617.

Regards,

Reynold Cabarloc Facility Director of Radiology Hilo Medical Center

1190 Waianuenue Avenue, Hilo, Hawaii 96720-2020 Phn: 808-974-6840 Fax: 808-935-1889

E-mail: info@hhsc.org

10-03-07

	is to acknowledge the receipt of your letter/application dated  One of the initial processing, and to inform you that the initial processing, the includes an administrative review, has been performed.					
X	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	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 <b>Mail Control Number</b> When calling to inquire about this action, please refer to this mail control number.  You may call me at 817-860-8103.						
	Sincerely,					
	Colleen Murnakan					
NRC (10-2	ORM 532 (RIV) Licensing Assistant					

		: (FOR LFMS USE) : INFORMATION FROM LTS		
BET	WEEN:			
Lic	ense Fee Management Branch, ARM	: : Program_Code: 02120		
Reg		: Status Code: 0 : Fee Category: 7C : Exp. Date: 20150131 : Fee Comments: CODE 12 : Decom Fin Assur Reqd: N		
LIC	ENSE FEE TRANSMITTAL			
Α.	REGION			
1.	APPLICATION ATTACHED Applicant/Licensee: HILO MEDICAL CENTER Received Date: 20070925 Docket No: 3003542 Control No.: 471517 License No.: 53-03506-01 Action Type: Notifications			
2.	FEE ATTACHED Amount: Check No.:			
3.	COMMENTS			
	Signed Date	Illen Muruahan		
В.	LICENSE FEE MANAGEMENT BRANCH (Check w	hen milestone O3 is entered //)		
1.	Fee Category and Amount:			
2.	Correct Fee Paid. Application may be processed for: Amendment Renewal License			
3.	OTHER			
	Signed Date			



1190 Waianuenue Ave. Hilo, HI 96720-2020

ATTN: R CABARLOC RODINIOGY DEPT.



U.S. NUMBER REGULATURY COMMISSION
REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 N. RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011

Na 471517

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