Official Use Only - Security-Related Information

Licensee:	University of Hawaii, Ofc of the Pres.	License No.: 53-00017-23
Docket No.:	030-07517	Mail Control No.: 471042
Type of Action:	Amend	Date of Requested Action: 07/19/06
Reviewer Assigned:	Jim M.	ARM reviewer(s): Cook

Response	Deficiencies Noted During Acceptance Review							
	 [X] Open ended possession limits. Limit possession. Submit inventory. [] Submit copies of most recent leak test results. [] Add - delete IC license condition. Add IC paragraph in cover letter. [] Split license from cover letter. Add SUNSI marking to license. [] Ask the licensee if they have any type-amount of EPAct Material. 							

Reviewer's Initials:

Date: _

□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 ⊠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) are full for					
□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 <u>any</u> 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: Date: Date:

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Pre-Licensing Screening

Control	No.	471042
CONTROL	INU.	471042

Applicant Information:	Control No. 471042			
Name: University of Hawaii, Ofc of the Pres.	Type of Request: Amend Program Code(s): //00			
Location: HI	License No.: 53-00017-23	Docket No.: 030-07517		

STEP 1–Radioactive Materials and Quantities Requested:

instructions for Step 1: <u>Complete Step 1 for all applications</u> . 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.				
А.	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 (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	
lr-192	0.8	22	Yb-169	3	81	

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 Yes, No, or not the screening criteria in Step 2 were also completed to evaluate the application. Not Applicable (NA) NOTE-If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s). 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)] \geq 1.0.

Signature and Date for Step 1:

- 8/14/86

icense Reviewer and Date



UNIVERSITY OF HAWAI'L AT MÅNOA

Environmental Health and Safety Office

July 19, 2006

U.S. Nuclear Regulatory Commission Region IV Attn: Licensing Section 611 Ryan Plaza Drive, Suite 400 Arlington, Texas 76011-4005

License No.: 53-00017-23 Docket No.: 030-07517

Dear Sir/Madam,

The University of Hawaii would like to amend its current license to include the authorized use of a Troxler moisture gauge Model 3541. Our current use under Condition 9.V. and W states that only Troxler Model 3411B can be used.

It would be much appreciated if the authorized use could be amended to include Troxler 3400 series because the researcher using this gauge may use other models in the future as part of his research grant.

It would also be much appreciated if this amendment request could be expedited to assist the researcher in meeting his grant deadlines.

Thank you very much for your prompt attention to this matter.

Sincerely,

June Sakimato

Irene Sakimoto 808-956-859/ Radiation Safety Officer

MC-3-121

University of Hawaii at Manoa Environmental Health and Safety Office Radiation Safety Program 2040 East-West Road Honolulu, HI 96822 Phone: (808) 956-6475 Fax: (808) 956-3205

FAX TRANSMISSION COVER SHEET

Date: July 19, 2006

To: USNRC licensing section

Fax: 817-860-8263

Re: Amending University of Hawaii license

Sender: Irene Sakimoto, RSO

YOU SHOULD RECEIVE 2 PAGE(S), INCLUDING THIS COVER SHEET. IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL (808) 956-6475.

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Signed	OTHER	. Correct Fee Paid. Application may be processed for: Amendment Renewal License	. Fee Category and Amount:	. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered //)	. COMMENTS Signed Collen Mutachan Date 7-20-06 Jutachan	. FEE ATTACHED Amount: Check No.:	. APPLICATION ATTACHED Applicant/Licensee: HAWAII, UNIVERSITY OF Received Date: 20060519 Docket No:: 3007517 Control No:: 471042 License No:: 53-00017-23 Action Type: Amendment	. REGION	LICENSE FEE TRANSMITTAL	BETWEEN: Hicense Fee Management Branch, ARM Regional Licensing Sections Regional Licensing Sections Hicense Fee Category: EX 3L 2C Exp. Date: 20150831 Fee Comments: 170.11 (A) (4) Hicense Fee Categor Y

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