

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Hawaii Pacific Health **License No.:** 53-23297-01
Docket No.: 030-31200 **Mail Control No.:** 471153
Type of Action: Amend **Date of Requested Action:** 09-26-06
Reviewer Assigned: **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.

RJC

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 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: RJR **Date:** 10/16/06

Pre-Licensing Screening

Applicant Information:

Control No. 471153

Name: Hawaii Pacific Health	Type of Request: Amend Program Code(s):
Location: HI	License No.: 53-23297-01 Docket No.: 030-31200

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 to any question in Step 1, also complete Step 2. If the type of use is subject to a Security Order or the requirements for increased security, also complete Step 3 (Item A or Item B) without delay.		Yes or No
A.	The request is from a new applicant.	N
B.	NUREG-1550, 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 of unsealed material, (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 licensee and cognizant supervisor involves complex technical issues, complex safety questions, or other unprecedented issues that warrant a site visit.	N
C.	The applicant is requesting certain radionuclides and quantities that equal or exceed the Risk Significant Quantity (RSQ) values in the table, below, that have been "highlighted" by the reviewer	N

Table of Risk Significant Quantities

(Category 1 and 2) AEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

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

¹ The quantities in Bq and Ci are TBq. The curie (Ci) values are for informational purposes only.
² The Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226. NRC is in the process of amending its regulations for discrete sources of Ra-226.

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

Signature and Date:

[Signature] 10/16/06
 License Reviewer

Hawaii Pacific Health

55 Merchant Street • Honolulu, Hawaii 96813 • hawaiiapacifichealth.org

September 26, 2006

RECEIVED
OCT 03 2006
DNMS

U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

NTC
Subject: Notification
NRC License No. 53-23297-01
Docket No. 030-31200

Dear License Reviewer:

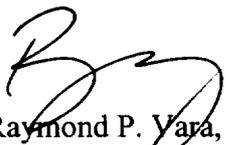
Our Radiation Safety Committee has approved Eugene J. Ichinose, M.D. as an authorized user for byproduct materials listed in 10 CFR 35.200. Dr. Ichinose is certified in Nuclear Cardiology by the Certification Board of Nuclear Cardiology. This certification was obtained within the past seven (7) years. We have enclosed a copy of his board certification, the Certificate of Completion for the Nuclear Cardiology Training program at the University of Massachusetts Medical School, and a letter issued by his preceptor, Seth T. Dahlberg, M.D.

In addition, please remove Mitchell Moy, M.D. and Lawnie-Lyn Uluihi Lau, M.D. from our license.

If you require additional information, please contact our Radiation Safety Officer, Ronald Frick, at (808) 373-7009.

Sincerely,

KAPI'OLANI MEDICAL CENTER AT PALI MOMI


Raymond P. Yara, Jr.
Chief Executive Officer

Enclosures

THE CERTIFICATION BOARD OF NUCLEAR CARDIOLOGY

Incorporated 1996

CERTIFIES THAT

Eugene J. Ichinose, M.D.

HAVING MET THE REQUIREMENTS PRESCRIBED BY THIS BOARD FOR PHYSICIANS RESIDING
IN THE UNITED STATES AND HAVING SATISFACTORILY PASSED THE REQUIRED EXAMINATION,

IS HEREBY DESIGNATED

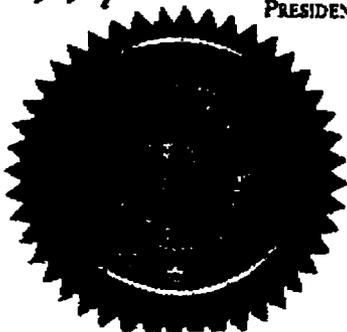
A DIPLOMATE CERTIFIED IN THE SUBSPECIALTY OF

NUCLEAR CARDIOLOGY

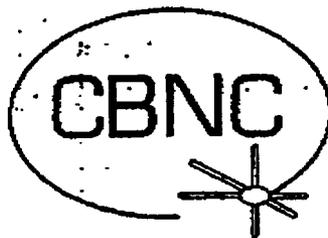
FOR THE PERIOD 2005 THROUGH 2015

Manoel D. Cerqueira
PRESIDENT

Jan A. Amighi
SECRETARY



CERTIFICATE # 3956



OCTOBER 23, 2005

Certificate for Completion

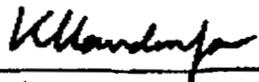
Nuclear Cardiology Training

Eugene J. Ichinose, M.D.

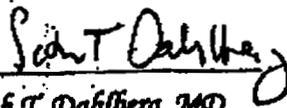
Has successfully completed the Clinical Requirements in,
Nuclear Cardiology Training

July 1, 2002 to June 30, 2005

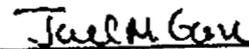
University of Massachusetts Medical School
Department of Radiology,
Division of Nuclear Medicine



Krishna Kandarpa, MD, PhD
Chairman
Radiology



Seth T. Dahlberg, MD
Director
Nuclear Cardiology



Joel M. Gore, MD
Director
Division of Cardiology



University of Massachusetts
Medical School

Department of Medicine
Division of Cardiology

Department of Radiology
Division of Nuclear Medicine

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Seth T. Dahlberg, MD
Associate Professor

Nobuyuki Miki, M.D.
Vice President Medical Affairs
Medical Staff Services
Kuakini Health System
347 North Kuakini Street
Honolulu, Hawaii 96817-9980

August 25, 2006

RE: Eugene J. Ichinose, M.D.

Dear Dr. Miki:

Dr. Eugene Ichinose completed 4 years of fellowship in Cardiovascular Medicine here at University of Massachusetts Memorial Medical Center, Worcester, MA from 7/1/2002 - 6/30/2006 (including 1 year of interventional training). He was board certified in Cardiovascular Medicine by the ABIM in 2005.

During his Cardiology fellowship Dr. Ichinose completed training in Nuclear Cardiology including exercise and pharmacologic stress testing and interpretation of over 300 clinical cases of myocardial perfusion imaging and resting radionuclide ventriculography. He also received greater than 80 hours of classroom and laboratory training in radiation physics, radiopharmacy, gamma camera physics and radiation safety from our physics staff, directed by Michael King, Ph.D. fulfilling NRC requirements as an Authorized User of radioisotopes and COCATS Level 2 training. Dr. Ichinose was certified by the Certification Board of Nuclear Cardiology in 2005.

From my personal experience I have found Dr. Ichinose to have excellent skills in Nuclear Cardiology including stress testing, and acquisition and interpretation of nuclear cardiology images. I highly recommend him to you. Please contact me if I can be of further assistance.

Yours Truly,

Seth T. Dahlberg, M.D.
Director, Nuclear Cardiology

10-17-06

DATE

This is to acknowledge the receipt of your letter/application dated 09-26-06, and to inform you that the initial processing, which includes an acceptance 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 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 in 90 days.

A copy of your action has been forwarded to the NRC Office of the Chief Financial Officer, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 471153.

When you call to inquire about this action, please refer to this mail control number.

You may call me at 817-860-8103.

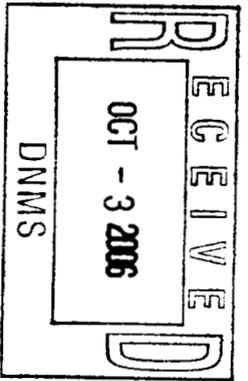
Sincerely,

Colleen Murnahan
Licensing Assistant

Raymond P. Varr: JPKWGM-1 Chief Executive Officer, MS 30/9/110

114 Varr: JPKWGM-1 Chief Executive Officer, MS 30/9/110

25 Merchant Street • Honolulu, Hawaii 96813



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IV
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