

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Guam Memorial Hospital
Authority

License No.: 56-18134-01

Docket No.: 030-14539

Mail Control No.: 471505

Type of Action: Notify

Date of Requested Action: 09-05-07

**Reviewer
Assigned:**

ARM reviewer(s): Torres

Response	Deficiencies Noted During Acceptance Review
	<ul style="list-style-type: none">[] 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 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: _____

Date: SEP 21 2007

Pre-Licensing Screening

Applicant Information:

Control No. 471505

Name: Guam Memorial Hospital Authority	Type of Request: Notify Program Code(s): 02120
Location: GU	License No.: 56-18134-01 Docket No.: 030-14539

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.	N
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.	N
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	N

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:

SEP 21 2007

License Reviewer and Date



Guam Memorial Hospital Authority
Aturidåt Espetåt Mímuriåt Guåhan

850 GOV. CARLOS CAMACHO ROAD
OKA, TAMUNING, GUAM 96911
TEL: 647-2444 or 647-2330
FAX: (671) 649-0145



05-Sep-07

RECEIVED

SEP 17 2007

DNMS

September 5, 2007

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

Subject: Notification
NRC License No. 56-18134-01
Docket No. 030-14539

Dear License Reviewer:

We have approved W. Richard Smith, M.D. as an authorized user for byproduct material listed in 10 CFR 35.200. Dr. Smith was previously listed as an Authorized User on California Agreement State license #4930-50 issued to Valley Heart Associates. A copy of this license is enclosed.

If you require any additional information please contact our consultant, Ronald Frick at 808-373-7009.

Sincerely,

Peter John D. Camacho, M.P.H.
Hospital Administrator/CEO

Enclosure

No 4 7 1 5 0 5

State of California-Health and Human Services Agency

Department of Health Services

Page 1 of 3 pages

RADIOACTIVE MATERIAL LICENSE

Pursuant to the California Code of Regulations, Division 1, Title 17, Chapter 5, Subchapter 4, Group 2, Licensing of Radioactive Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, use, possess, transfer, or dispose of radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders of the Department of Health Services now or hereafter in effect and to any standard or specific condition specified in this license.

1. Licensee: Valley Heart Associates	3. License Number: 4930-50 Amendment Number: 18
2. Address: 1540 Florida Avenue, Modesto, CA 95350	4. Expiration date: January 12, 2006 (3)
Attention: Alan A. Garvin, M.D. Radiation Safety Officer	5. Inspection agency: Radiologic Health Branch North

In response to the letter, with attachments, dated January 3, 2007, signed by Alan A. Garvin, M.D., Radiation Safety Officer and Duane Parsons, Administrator, License Number 4930-50 is hereby amended as follows:

6. Nuclide	7. Form	8. Possession Limit
A. Group 2 as specified in Item 9. Any radionuclide with atomic number 3-83.	A. Any Excluding Xenon Excluding generators	A. Combined possession limit for Group 2 not to exceed 1.0 Ci.
B. Group 9 as specified in Item 9. 1. Any radionuclide with atomic numbers 3-83, inclusive, except: Strontium-90 and Lead-210. 2. Gadolinium-153	B. 1. Sealed or solid sources manufactured in accordance with a specific license issued by the United States Nuclear Regulatory Commission, an Agreement State or a Licensing State. 2. Sealed sources (NAS, Inc., Model MED 3601, and IPL Models A3410 and NES 8412)	B. 1. Total not to exceed 15 mCi. Each source not to exceed 10 mCi. 2. Total 4.0 Ci, no single source to exceed 300 mCi.

9. Authorized Use

To be used for nuclear medicine procedures as specified in groups below:

- A. Group 2 Diagnostic studies involving imaging excluding the use of Xenon-127 and/or Xenon-133 gas.
- B. Group 9
 - 1. Marker and calibration sources.
 - 2. To be used in the ADAC Laboratories Vantage Attenuation Correction System line source housing for SPECT cameras.

LICENSE CONDITIONS

10. Radioactive material shall be used only at the following location:

- (a) 1540 Florida Avenue, , Modesto, CA.

State of California-Health and Human Services Agency

Department of Health Services

Page 2 of 3 pages

RADIOACTIVE MATERIAL LICENSELicense Number: 4930-50Amendment Number: 18

11. This license is subject to an annual fee for sources of radioactive material authorized to be possessed at any one time as specified in Items 6, 7, 8 and 9 of this license. The annual fee for this license is required by and computed in accordance with Title 17, California Code of Regulations, Sections 30230-30232 and is also subject to an annual cost-of-living adjustment pursuant to Section 100425 of the California Health and Safety Code.
12. The individuals named below are authorized the specific uses of radioactive material described in Items 6, 7, 8, and 9 of this license as follows:

(a) Alan A. Garvin, M.D.	Groups 2 and 9
(b) W. Richard Smith, M.D.	Groups 2 (cardiac studies only) and 9
(c) Leslie C. Baluyot, M.D.	Groups 2 (cardiac studies only) and 9
(d) Shewit Weidetsenae, M.D.	Groups 2 and 9
(e) Marlon G. Ramilo, M.D.	Groups 2 (cardiac studies only) and 9
13. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 7, 8 and 9 of this license in accordance with the statements, representations, and procedures contained in the documents listed below. The Department's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - (a) The application dated received December 12, 1994, and follow-up letter, with attachments, dated March 22, 1996, both signed by Alan A. Garvin, M.D., regarding renewal and follow-up facsimile dated June 21, 1996, signed by Larry Gindratt, Radiation Safety Officer, regarding additional information requested for renewal.
 - (b) The letter dated January 12, 1998, signed by Mary Ellen Westray, Radiation Safety Officer, regarding the removal of the Radiation Safety Committee.
 - (c) The letter dated February 15, 1998, signed by Mary Ellen Westray, CNMT, Radiation Safety Officer, regarding annual radiation safety training and removing groups 1 and 3.
 - (d) The letter dated January 29, 2002, with attachments, signed by Alan Garvin, M.D., Physician Director of Nuclear Services, and Duane Parsons, Administrator, as supplemented by the letter dated March 28, 2002, with attachments, signed by Alan Garvin, M.D., Physician Director of Nuclear Services, Radiation Safety Officer, regarding the new ADAC Forte gamma cameras with Vantage line option and appointment of new Radiation Safety Officer.
 - (e) The letter dated July 10, 2002, signed by Duane Parsons, Administrator, and Alan Garvin, M.D., Radiation Safety Officer, regarding changing radiation safety refresher training to an annual frequency.
 - (f) The letter dated June 4, 2003, signed by Alan Garvin, M.D., Radiation Safety Officer, regarding a change in dosimetry system and exchange frequency.
14.
 - (a) The Radiation Safety Officer in this program shall be Alan A. Garvin, M.D.
 - (b) The Custodian of sealed sources shall be Alan A. Garvin, M.D.
15. Sealed sources possessed under this license shall be tested for leakage and/or contamination as required by Title 17, California Code of Regulations, Section 30275 (c).

State of California-Health and Human Services Agency

Department of Health Services

Page 3 of 3 pages

RADIOACTIVE MATERIAL LICENSE

License Number: 4930-50Amendment Number: 18

16. The following individuals are authorized to collect wipe test samples of sealed sources possessed under this license using leak test kits acceptable to the California Department of Health Services:
- (a) The Radiation Safety Officer
 - (b) Qualified individuals designated in writing by the Radiation Safety Officer
17. The licensee is authorized to hold radioactive materials with a physical half-life of less than 65 days for decay in storage before disposal in ordinary trash provided:
- (a) Radioactive waste to be disposed of in this manner shall be held for decay in storage for at least 10 half-lives.
 - (b) Before disposal as normal waste, radioactive waste shall be surveyed to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
18. The licensee may use one constancy source for the dose calibrator constancy test provided that the dose calibrator manual indicates that only one constancy source is needed for proper Quality Control.
19. The licensee may use any commercially available device, acceptable to the U.S. Nuclear Regulatory Commission, an Agreement State or a Licensing State, for doing linearity tests of its dose calibrator provided the procedures described by the manufacturer of the linearity device are followed.
20. Nuclear medicine technology procedures shall be performed by nuclear medicine technologists pursuant to Title 17, California Code of Regulations, Subchapter 4.6. Such procedures shall be performed under the supervision of authorized user physicians on this license who meet the criteria specified in Section 30510. Certificates or special permits issued pursuant to Subchapter 4.6 shall be prominently displayed at the facility(ies) authorized on this license.
21. Notwithstanding the definition of "Misadministration" in title 17, 30100(j), and the requirements listed in title 17, section 30322, the Licensee shall notify and submit reports regarding "Medical Events," as defined in title 10, Code of Federal Regulations, Part 35, section 35.2, to the Department in accordance with title 10, Code of Federal Regulations, Part 35, section 35.3045.
22. Production or processing of radiopharmaceuticals for the purpose of commercial distribution to other licensees is not authorized by this license.
23. At least 30 days prior to vacating any address of use listed in Condition 10 of this license, the licensee shall provide written notification thereof to the Department of Health Services, in accordance with Title 17, California Code of Regulations, Section 30256 (b).
24. A copy of this license and a copy of all records and documents pertaining to this license shall be maintained available for inspection at 1540 Florida Avenue, Suite 100, Modesto, CA.

Issued for the State Department of Health Services

Date: February 5, 2007By: 

Radiologic Health Branch
MS 7810, P.O. Box 997414
Sacramento, CA 95899-7414

No 471505

SEP 21 2007

This is to acknowledge the receipt of your letter/application dated 9-05-07, and to inform you that the initial processing, which includes an administrative review, has been performed.

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** 471505.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,

Cathleen Murnahan

Licensing Assistant

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

: Program Code: 02120
: Status Code: 0
: Fee Category: 7C
: Exp. Date: 20080131
: Fee Comments: CODE 12
: Decom Fin Assur Req'd: N
:

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: GUAM MEMORIAL HOSPITAL AUTHORITY
Received Date: 20070917
Docket No: 3014539
Control No.: 471505
License No.: 56-18134-01
Action Type: Notifications

2. FEE ATTACHED

Amount: _____
Check No.: /

3. COMMENTS

Signed
Date

Celine M. Munsan
9-18-07

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /___/)

1. Fee Category and Amount: _____

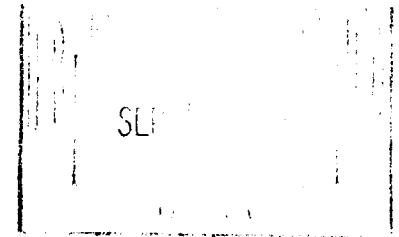
2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed
Date

Guam Memorial Hospital
850 Gov. Carlos Camacho Rd.
Tamuning, Guam 96911



Nuclear Materials Lic
Branch

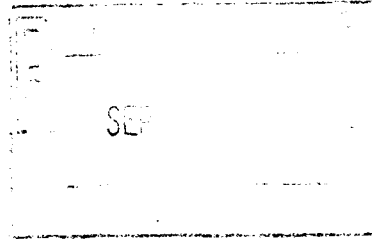
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Nuclear Materials Licensing
Branch

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8064