

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Pacific Cardiology, LLC **License No.:** 53-27747-01
Docket No.: 030-36196 **Mail Control No.:** 471080
Type of Action: Amend **Date of Requested Action:** 08-09-06
Reviewer Assigned: **ARM reviewer(s):** Torres

ATC

Response	Deficiencies Noted During Acceptance Review
	[] 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) *Licensee request*
 Yes No TAR needed to complete action.

Branch Chief's and/or Sr. HP's Initials: *ATC* **Date:** *8/18/06*

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: *ATC* **Date:** *8/18/06*

August 16, 2006

RTC

Attention: Ms. Cook
Materials Licensing, Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064
Fax Number: (817) 860-8263

Re: Pacific Cardiology, LLC
NRC License No. 53-27747-01
Docket No. 030-39196

Subject: Decommissioning survey report to complete amendment letter dated 2/26/06

Dear Ms. Cook:

Thank you for returning my phone call and advising on the procedure to request expedited consideration.

Dr. Yamada asked me to contact you to request expedited review of the decommissioning report of the restricted area of his old facility at 2226 Liliha Street, Suite 302. Now that he has moved his practice to Queen's POB III, Suite 601, 550 South Beretania Street, Honolulu, Hawaii 96813, he would like to release the old office space.

Thank you for your consideration.

Please direct any questions to Elizabeth Rodenbeck, MS our consultant on Radiation Safety Compliance, by phone at (808) 922-7743 or facsimile at (808) 373-3139 or email at beth808@hawaii.rr.com.

Mahalo and Aloha,
for Pacific Cardiology, LLC

Elizabeth S. Rodenbeck

Elizabeth Rodenbeck, MS



Pacific Cardiology LLC

Fax Transmittal Cover Sheet

- Calvin Y.H. Wong, M.D.
- Samuel Dacanay, M.D.
- Michael Hansa, M.D.

- Gregg M. Yamada, M.D.
- Sonny J.H. Wong, M.D.

Queens POBIII
 550 So. Beretania St. Suite 601
 Honolulu, Hawaii 96813
 Tel: (808)522-PACC(7222) Fax: (808) 532-0414

To: Materials Licensing, Nuclear Materials Safety Branch
 From: Lori DeCosta of Pacific Cardiology
 Of: U.S. NRC, Region IV Date: 8/10/06
 Fax: (817) 860-8263 # of pages(including cover sheet): 7
 Tel: (808) 522-7222 If received incomplete, please call.

This message is intended for the use of only the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone, and return the original message to us at the address above via the U.S. Postal Service. Thank you.

Re: Pacific Cardiology, LLC
NRC License No. 53-27747-01
Docket No. 030-39196

August 9, 2006

Materials Licensing, Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064
Fax Number: (817) 860-8263

Re: Pacific Cardiology, LLC
NRC License No. 53-27747-01
Docket No. 030-39196

Subject: Decommissioning survey report to complete amendment letter dated 2/26/06

Dear Sir or Madam:

Following our move to Queen's Physician's Office Building III, Suite 601 at 550 South Beretania Street, Honolulu, Hawaii 96813, our health physics consultants performed a decommissioning or closeout survey of the restricted area of our old facility at 2226 Liliha Street, Suite 302. We enclose that report and attachments for your consideration.


The decommissioning (return to unrestricted use) of the old office space will commence upon notification of your review of the enclosed report of the ambient survey and wipe counting.

Please change our location and mailing address to a single site:
Pacific Cardiology, LCC
Queen's POB III, Suite 601
550 South Beretania Street
Honolulu, Hawaii 96813

We ask that you please expedite your review.

Please direct any questions to Ronald Frick, MS, Gamma Corporation, 850 W. Hind Drive, Suite 214, Honolulu, HI 96821, by phone at (808) 373-7009, cell (808) 282-0619, or facsimile at (808) 373-7017 or email at rfrick@gammacorp.com. A second contact is Elizabeth Rodenbeck, our consultant on Radiation Safety Compliance, by phone at (808) 922-7743 or facsimile at (808) 373-3139 or email at beth808@hawaii.rr.com.

Sincerely,



Dr. Gregg Yamada
Radiation Safety Officer

Enclosures

DECOMMISSIONING SURVEY REPORT**SURVEY TYPE: CLOSEOUT SURVEY****LOCATION: SUITE 302, 2226 LILIHA STREET, HONOLULU, HAWAII*****Introduction:***

Pacific Cardiology, LCC moved their physician office operations from 2226 Liliha Street, Suite 302 to Queens Medical Center POB III, 555 Beretania Street, Suite 601. All operations in the nuclear cardiology imaging area in suite 302 at 2226 Liliha were discontinued on July 20, 2006. All equipment and radioactive material including radioactive waste and sealed sources of Cesium-137 and Cobalt-57 were removed from the imaging area prior to the closeout survey. Only two radionuclides, Technetium-99m and Thallium-201, were used for nuclear cardiology imaging. A final survey, designated as a closeout survey, was performed to assure that no residual radioactive contamination remained in the restricted area where radioactive material was used or stored.

Survey Instrument Data:

Ludlum model 2241-2, serial number 188138, using the Ludlum sodium iodine scintillation probe model 44-2, serial number PR199321 that was last calibrated 01/24/06. The meter check source reading was 76.5 kC/m (within 2% of the calibration check source reading) and the background reading (an average of 5 readings throughout 3 hour survey process) was 0.7 kC/m. The minimum detectable activity for the survey was 3054 dpm or 0.0138 μ Ci ($MDA = 2.71 + 3.39 (bkg\ cpm \times counting\ time)^{\frac{1}{2}} / sample\ time \times detector\ efficiency$).

Ambient Survey of All Restricted Areas:

A closeout survey of the empty former Pacific Cardiology facility located at 2226 Liliha Street, Suite 302, Honolulu, Hawaii 96817 was performed on August 3, 2006. The all surfaces of the floors, sinks, countertops, and the insides all mounted cabinets and drawers (including former location of hot lab and sink and countertop) of the Nuclear Imaging area, Treadmill Room 1 and Treadmill Room 2 were surveyed with a Ludlum survey meter with scintillation probe. No evidence of residual fixed radioactive contamination was found since no survey readings exceeded the average background reading of 0.7 kC/m.

Wipe Counting Instrument Data: (See attached wipe counting report.)

Wipe Survey of All Restricted Areas:

Wipe samples were obtained during the survey visit using cotton swabs with medium pressure over a 100 square centimeter area of sites where radioactive material was used to detect evidence of residual removable contamination. A total of 27 wipe samples were taken (see list of wipe locations and floor plan designations) of Treadmill Room #2, Treadmill Room #1, the previously designated Hot Lab Area, Imaging Area, and Sink counter area. The wipes were analyzed in scintillation well counter (see wipe counting report). No evidence of removable radioactive contamination was found in any area where radioactive materials were used.

Summary:

No evidence of fixed or removable radioactive contamination was found in the restricted area of Suite 302, 2226 Liliha Street. The area is now free of any radioactive material and pending approval of this survey report by Nuclear Regulatory Commission, may be released to unrestricted use.

The ambient survey was performed by and wipe samples were taken by:

Elizabeth S. Rodenbeck

Elizabeth Rodenbeck, M.S.
Radiation Safety Consultant

Date 8/8/06

The wipe sample analysis was performed by:

Gamma Corporation, 850 West Hind Drive, Suite 214, Honolulu, Hawaii 96821-1845

Attachments:

- List of wipe samples
- Location of wipes designated on floor plan
- Report of wipe counting
- Leak test certificate for sealed sources possessed by Pacific Cardiology, LCC

Closeout Survey for Residual Radioactive Contamination
Pacific Cardiology, LCC, 2226 Liliha Street, Suite 302, Honolulu, Hawaii 96817

Wipe specimens taken August 3, 2006 at the following locations (see attached diagram):

Treadmill Room # 2

- 1 Sink drain
- 2 Sink side
- 3 Countertop
- 4 Floor (6 tiles in from entrance/ 3 tiles from wall)
- 5 Door handle both sides

Treadmill Room #1

- 6 TV controls
- 7 Door handle both sides
- 8 Floor (8 tiles from entrance / 2 tiles from wall)
- 9 Floor (9 tiles from entrance / 4 tiles from wall)
- 10 Floor (6 tiles from entrance/9 tiles from wall)

Hot Lab Area

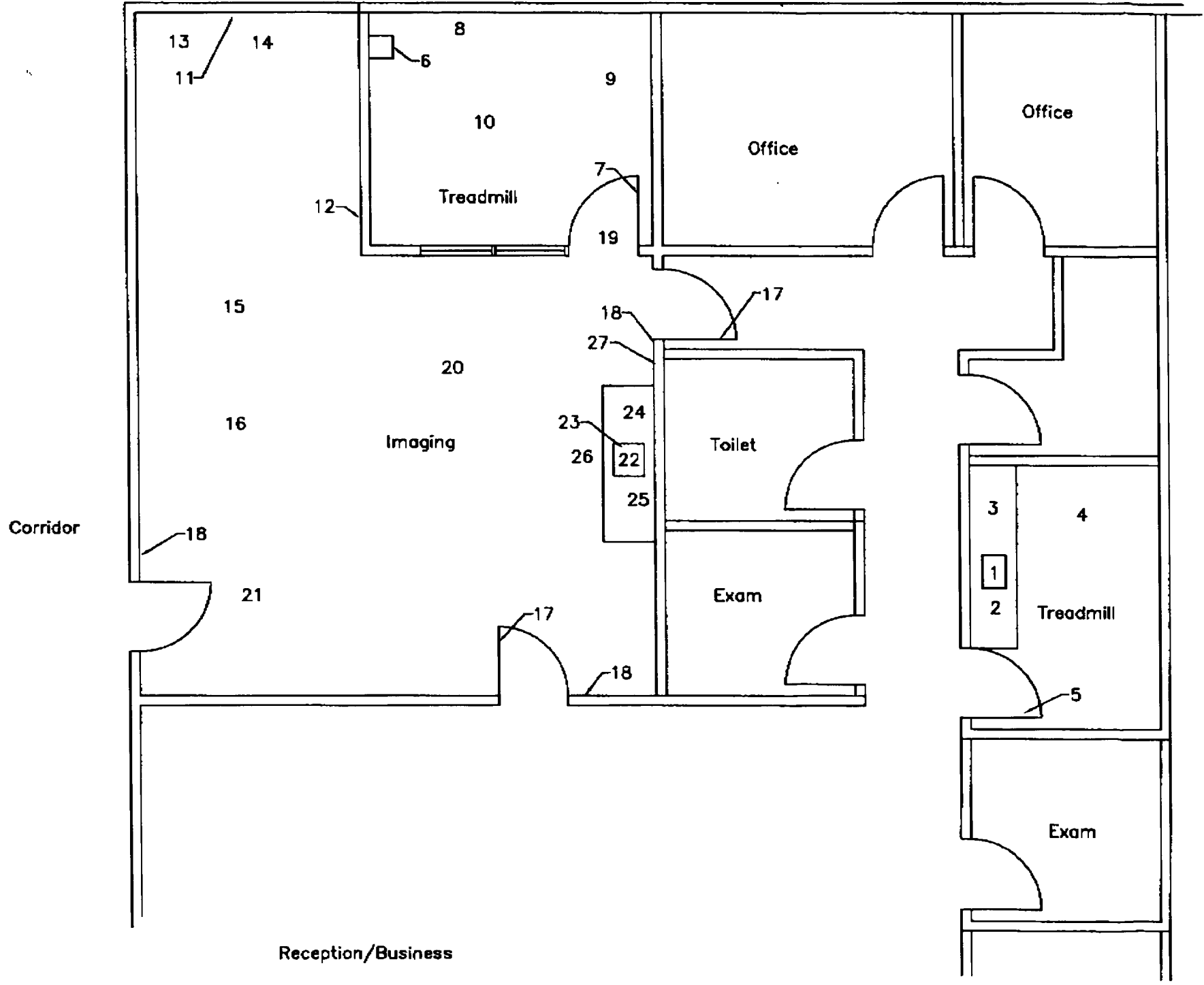
- 11 Electric outlets
- 12 Light switch
- 13 Floor (2 tiles to SE corner/ 2 tiles to wall to corridor, front of former lead safe location)
- 14 Floor (2 tiles to SE corner/ 5 tiles to wall to corridor, front of former draw dose station)

Imaging Area

- 15 Floor (7 tiles from wall to corridor, patient side of former camera location)
- 16 Floor (former head of camera location)
- 17 Door handles both sides (door to reception & door to MD hallway)
- 18 Light switches (4 in imaging area)
- 19 Floor at entry between Treadmill Room #1 & Imaging Area
- 20 Floor at center of imaging area (10 tiles to reception wall/ 8 tiles to corridor wall)
- 21 Floor (5 tiles to reception wall/5 tiles to corridor wall)

Sink counter Area

- 22 Sink drain
- 23 Sink sides
- 24 Countertop left of sink
- 25 Countertop right of sink
- 26 Floor in front of sink
- 27 Wall above former location of rubbish can



Reception/Business



Gamma Corporation

850 West Hind Drive #214, Honolulu, HI 96821

Phone (808) 373-7009

FAX (808) 373-7017

Wipe Sample Analysis

Facility: Pacific Cardiology

Address: 2226 Liliha Street, Suite 302
Honolulu, HI 96817

Analysis date: August 8, 2006

Performed By: Ronald Frick, M.S., CHP, DABR

Instrumentation:

Wipe samples were analyzed for gamma emitters with a Canberra Inspector multichannel analyzer with 2" x 2" NaI well detector. The detection efficiency for Co-57 gammas is 94.4%, as measured with a Co-57 standard. Average background for the counter is 3.28 count per second. For a 100 second count, minimum detectable activity is 1.0 count per second.

Efficiency Determination:

Co-57 Standard activity = 0.09513 µCi, Cal. 6/1/03

Activity on 6/26/06 = 201.8 cps

Net Measured cps = 190.5

Detection efficiency = 94.4%

MDA = 1.0 cps

Results

Wipe #	Results (Bq)	Wipe #	Results (Bq)	Wipe #	Results (Bq)
1	<1.0	10	<1.0	19	<1.0
2	<1.0	11	<1.0	20	<1.0
3	<1.0	12	<1.0	21	<1.0
4	<1.0	13	<1.0	22	<1.0
5	<1.0	14	<1.0	23	<1.0
6	<1.0	15	<1.0	24	<1.0
7	<1.0	16	<1.0	25	<1.0
8	<1.0	17	<1.0	26	<1.0
9	<1.0	18	<1.0	27	<1.0

AUG 21 2006

DATE

This is to acknowledge the receipt of your letter/application dated 08-09-06, 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.
your request is to be expedited.

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** 471080.

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

You may call me at 817/860-8103.

Sincerely,

Celien Murnihan
Licensing Assistant

(FOR LEMS USE)
INFORMATION FROM LTS

BETWEEN:
License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 02201
Status Code: 0
Fee Category: 7C
Exp. Date: 20130228
Fee Comments:
Decom Fin Assur Regd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: PACIFIC CARDIOLOGY, LLC
Received Date: 20060810
Docket No: 3036196
Control No.: 471080
License No.: 53-27747-01
Action Type: Amendment

2. FEE ATTACHED

Amount: _____
Check No.: _____

3. COMMENTS

Signed *Allen Menden*
Date 8-16-06

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 _____