

NRC FORM 313
(3-2009)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 3/31/2012

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

APPLICATION FOR MATERIALS LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

Br.2
(07-31394-01)

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

LL 31394
03038183
02201

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
612 E. LAMAR BOULEVARD, SUITE 400
ARLINGTON, TX 76011-4125

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
 B. AMENDMENT TO LICENSE NUMBER
 C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

Heart and Vascular Clinic
620 Stanton Christiana Road, Suite 203
Newark, Delaware 19713

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Same as Item 2.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Ashish Parikh, M.D.

TELEPHONE NUMBER

(302) 463-5379

RECEIVED REGION 1 NOV 16 PM 12:50

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL
a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 7C AMOUNT ENCLOSED \$ 2,300.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Ashish Parikh, M.D.

SIGNATURE

[Handwritten Signature]

DATE

11-12-9

FOR NRC USE ONLY

Table with columns: TYPE OF FEE, FEE LOG, FEE CATEGORY, AMOUNT RECEIVED, CHECK NUMBER, COMMENTS. Includes 'APPROVED BY' and 'DATE' fields.

144294

Items 5 & 6: Radioactive Material

<u>Byproduct Material</u>	<u>Amount</u>	<u>Purpose of Use</u>
5.a Material in 10 CFR 35.100	As Needed	Medical Use (diagnosis)
5.b. Material in 10 CFR 35.200	As Needed	Medical Use (diagnosis)

(except generators and xenon-133)

We do not request authorization for therapeutic materials or I-131 or I-125 above 30 microcuries.

We do not request authorization for uranium shielding for generators.

Item 6: Purpose for Which Licensed Radioactive Material Will Be Used

- 6.a. 10 CFR 35.100 **Medical Use of Unsealed Byproduct Material for uptake, dilution and excretion studies for which a written directive is not required**
- 6.b. 10 CFR 35.200 **Medical Use of Unsealed Byproduct Material for imaging and localization studies for which a written directive is not required**

Item 7: Radiation Safety Officer and Authorized Users

Name of Radiation Safety Officer

Training and Experience

David S. Grubbs, M.D.

**Please refer to license #07-31076-01,
David S. Grubbs, M.D., Newark,
Delaware for training and experience
records.**

Name of Authorized User(s)

Training and Experience

David S. Grubbs, M.D.

**Please refer to license #07-31076-01,
David S. Grubbs, M.D., Newark,
Delaware for training and experience
records.**

Item 9: Facilities Diagram

Attached is a drawing of our nuclear medicine facilities, Suite 203. The principle use of the rooms shown is:

- (a) Hot Lab: for receipt, survey and opening packages, preparation for injections, storage of radioactive materials and wastes.**
- (b) Nuclear Room: for imaging of patients, administration of dosages**
- (c) Exam Rooms 1 & 2: for stressing of nuclear cardiology patients on treadmills, dosages will be administered in these rooms.**

Wall, floor or ceiling shielding, portable shielding, etc. are not considered practical as we do not use any therapy materials. Only low activity, low energy diagnostic radionuclides will be used.

Syringes containing radiopharmaceuticals, radioactive wastes, stored radioactive materials will be held in lead shielded containers of at least 1/4" thickness when not in use.

Frequent surveys of the storage and usage areas will be performed to confirm the suitability of the shielding. Additional lead shielding will be added if any elevated readings are found.

We will only use unit doses.

Radiation Monitoring Instruments:

- A. Radiation Monitoring equipment will be calibrated by a person qualified to perform survey meter calibrations.**
- B. We will possess a portable thin-window survey meter to perform required surveys. We will possess a count rate meter with sodium iodide detector for assaying contamination wipe tests.**
- C. We reserve the right to upgrade our survey instruments as necessary as long as they are adequate to measure the type and level of radiation for which they are used.**
- D. Equipment used to measure dosages will be calibrated in accordance with nationally recognized standards or the manufacturer's recommendations.**

Item 9: Other Equipment and Facilities

We confirm that handling tongs, shielded syringe containers, shielded storage containers and shielded waste receptacles will be available for use and storage of radioactive materials. Frequent surveys will be performed and additional shielding added in cases where needed to maintain radiation levels within applicable limits and at ALARA levels.

There will be no radioactive gases used, and therefore fume hoods or glove boxes are not considered necessary.

For security purposes, all radioactive materials will be stored in the locked nuclear medicine room when not attended by authorized personnel.

Item 10: Radiation Protection Program

A. Occupational Dose:

Either we will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry that meets the requirements listed under "Criteria" in NUREG-1556, Vol. 9, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Medical Use Licensees".

B. Area Surveys

We have developed and will implement and maintain written procedures for area surveys in accordance with 10 CFR 20.1101 that meet the requirements of 10 CFR 20.1501 and 10 CFR 35.70.

C. Safe Use of Unsealed Licensed Material

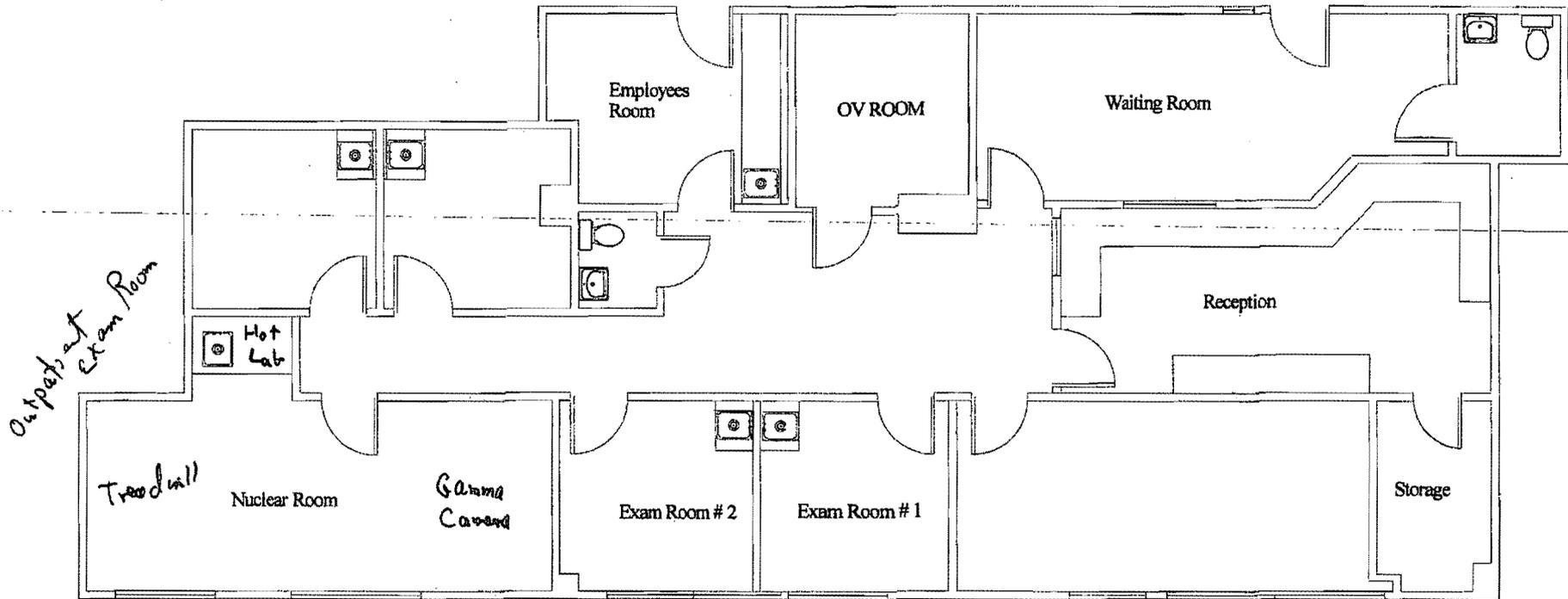
We have developed and will implement and maintain written procedures for safe use of unsealed radioactive material that meets the requirements of 10 CFR 20.1101 and 10 CFR 20.1301.

D. Spill Procedures

We have developed and will implement and maintain written procedures for safe response to spills of radioactive material in accordance with 10 CFR 20.1101.

Item 11: Waste Management

We have developed and will implement and maintain written waste disposal procedures for radioactive material in accordance with 10 CFR 20.1101, that also meet the requirements of the applicable section of Subpart K to 10 CFR Part 20 and 10 CFR 35.92



Outside Well

This is to acknowledge the receipt of your letter/application dated

11/12/09, and to inform you that the initial processing which includes an administrative review has been performed.

New License Application (03038183)
There were no administrative omissions. Your application was 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

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** 144294.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader

(FOR LEYS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 02201
Status Code: 3
Fee Category: _____
Exp. Date: 0
Fee Comments: _____
Decom Fin Assur Req'd: _
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LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: HEART AND VASCULAR CLINIC
Received Date: 20091116
Docket No: 3038183
Control No.: 144294
License No.: 07-31394-01
Action Type: New Licensee

2. FEE ATTACHED

Amount: \$2,300.00
Check No.: 3083

3. COMMENTS

Signed Rebecca Junod
Date 11/17/09

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 _____