

NRC FORM 313
(3-92)
10 CFR 30, 32, 33,
34, 35 and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120
EXPIRES 6-30-93

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 3.28 HOURS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

APPLICATION FOR MATERIAL 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. 030-31048

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

NUCLEAR MATERIALS SAFETY SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION II
101 MARIETTA STREET, NW, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

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

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
789 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

MATERIAL RADIATION PROTECTION SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVEDA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

NUCLEAR MATERIALS SAFETY SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION V
1450 MARIA LANE
WALNUT CREEK, CA 94596-5368

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 29-28361-01

2. NAME AND MAILING ADDRESS OF APPLICANT (Includes Zip Code)

Associates in Nuclear Cardiology
100 Perrine Road
Old Bridge, NJ 08857

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

100 Perrine Road
Old Bridge, NJ 08857

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Joseph Oldakowski

TELEPHONE NUMBER

908-788-9440

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 AND EXPERIENCE.

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

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

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

FEE CATEGORY 7C AMOUNT ENCLOSED \$ 1400.00

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, 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 OFFICE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE—CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

Shaukat Chaudhery

Shaukat Chaudhery

President

5/9/94

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

REN

May 29^I

7C

15 18 81 MW 76

AMOUNT RECEIVED
\$1400

CHECK NUMBER

0601

RECEIVED-REGION I

APPROVED BY

LM

DATE

6-1-94

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Item 5 and 6

Radioactive Material and Purpose

<u>Byproduct Material</u>	<u>Amount</u>	<u>Purpose</u>
5.a Material in 10 CFR 35.200 (excluding radioactive aerosols and gases)	As needed	6.a Cardiac imaging and localization procedures.

Item 7

Individuals Responsible for Radiation Safety Programs

Authorized Users for Medical Use

Material

Laximapathi Garipalli, M.D.

5.a

Radiation Safety Officer

Laximapathi Garipalli, M.D.

Please refer to NRC License Number 29-28361-01 for training and experience previously submitted, unless otherwise noted.

Item 8

Training for Individuals Working In or Frequenting Restricted Areas

Associates in Nuclear Cardiology will establish and implement the model training program that was published in Appendix A to Regulatory Guide 10.8, Revision 2.

Nuclear Medicine technologists will be instructed (via inservice lecture) by the health physicist or RSO upon starting duties and during annual refresher training.

Nursing will be provided with an annual lecture on radiation safety for caring for diagnostic patients by the health physicist, RSO, or supervised individual delegated by the RSO.

Housekeeping or other personnel (e.g. security) frequenting the department will be instructed via a meeting or discussion annually or as necessary by the supervised individual (Nuclear Medicine Technologist) or RSO.

Item 9

Facilities and Equipment

The following radiation safety equipment is present:

1. Syringe shields
2. Lead syringe holders
3. Disposable rubber gloves
4. Absorbent pads
5. Vials are stored in their lead pigs.
6. Lead L-block shield is present.
7. Remote handling devices are present.
8. Lab coats are worn by technologists.
9. Leaded radioactive waste storage bin present.

Available shielding:

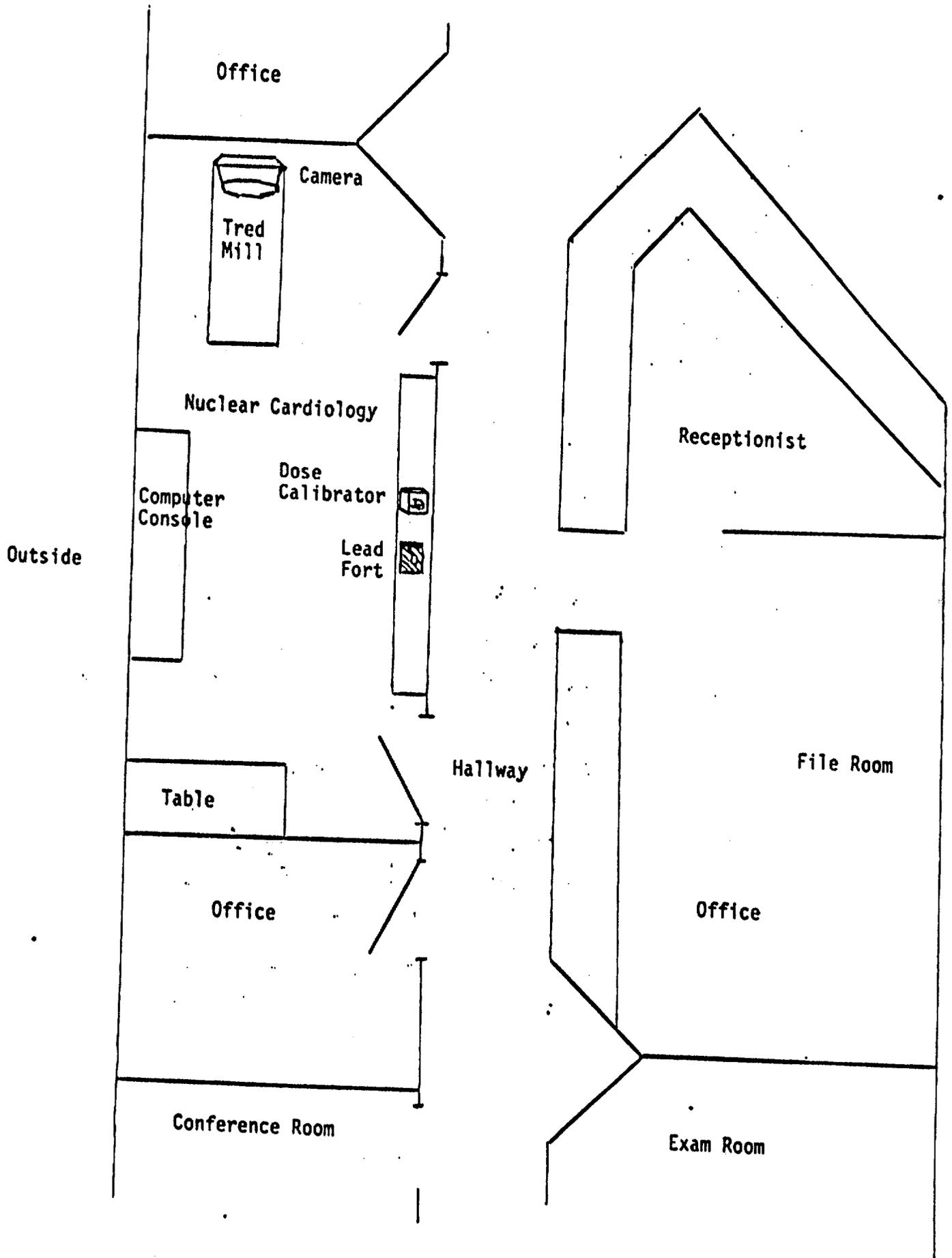
1. Rad Waste Storage: 1/8 inch lead walls
2. L-Block: 2 inch thick lead

The scale on attached floor plan: 1/4" = 1'

EQUIPMENT

# of units	Unit	Sensitivity Range
1	Ludlum Model 2200	0 - 9,999,999 cpm
1	Ludlum 14-C GM	.01 - 2000 mR/hr
1	Ludlum Model 3 GM	.01 - 200 mR/hr
1	Captintec CRC-7	100 uCi - 2 Ci
1	Baird Atomic Gamma Camera System 77	CPM

ASSOCIATES IN NUCLEAR CARDIOLOGY



Item 10

Radiation Safety Program

Associates in Nuclear Cardiology will establish and implement the model program published in the following Appendixes of Regulatory Guide 10.8, Revision 2.

Appendix B - Survey meters shall be calibrated by a contractor who holds a valid NRC or agreement State license. At the time of calibration the apparent exposure rate from the dedicated check source shall be recorded. Prior to use the exposure rate of the dedicated check source shall be verified, but not recorded.

Appendix C

Appendix D

Appendix F Excluding Radiation Safety Committee, Radiation Safety Officer Only

Appendix G

Appendix H

Appendix I

Appendix J

Appendix K

Appendix L

Appendix M.1, M.2

Appendix N Survey Trigger Levels: 0.5 mR/hr - 2000 dpm Unrestricted
5.0 mR/hr - 20000 dpm Restricted

All procedures and commitments described in model programs of the license guide pertain to Byproduct material only. Commitments do not apply to radioactive material and radiation exposure from other sources (accelerator produced, naturally occurring radioactive isotopes, machine sources, etc.).

Item 11

Waste Management

We will establish and implement the general guidance and model procedures for waste disposal that were published in Appendix R to Regulatory Guide 10.8, Revision 2.

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