

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.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION B
631 PARK AVENUE
KING OF PRUSSIA, PA 19406

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
MATERIAL RADIATION PROTECTION SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 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:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
MATERIAL RADIATION PROTECTION SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

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 JURISDICTION.

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)

Hazleton Radiology Associates
Northeastern Building
Hazleton, Pennsylvania 18201

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

Hazleton Radiology Associates
northeastern Building
Hazleton, Pennsylvania 18201

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Romeo C. Quano, M.D.

TELEPHONE NUMBER

(717) 455-3608

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

8509190644 850823
REG1 LIC30
37-20861-01 PDR

10. RADIATION SAFETY PROGRAM.

11. WASTE MAN.

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

FEE CATEGORY 7 C. AMOUNT ENCLOSED \$ 580.00

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 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.

SIGNATURE OF CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

X *Romeo C. Quano* Romeo C. Quano, M.D. Radiation Safety Officer X6-7-85

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS

<\$250K	\$1M-3.5M
\$250K-500K	\$3.5M-7M
\$500.1-750K	\$7M-10M
\$750K-1M	>\$10M

b. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)

c. NUMBER OF BEDS

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)

☐ YES

☐ NO

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

APPROVED BY

AMOUNT RECEIVED

CHECK NUMBER

DATE

Application

Same 155

7C

"OFFICIAL RECORD COPY" 03945

[Signature]

\$580

17353

ML10

JUN 10 1985

6/24/85

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on NRC Form 313. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY:** Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).
2. **PRINCIPAL PURPOSE(S):** The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30, 32, 33, 34, 35 and 40 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a radioactive material license or amendment thereof.
3. **ROUTINE USES:** The information may be (a) provided to State health departments for their information and use; and (b) provided to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for radioactive material license, or amendment thereof, will not be processed. A request that information be held from public inspection must be in accordance with the provisions of 10 CFR 2.790. Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned need to inspect the document.
5. **SYSTEM MANAGER(S) AND ADDRESS:** U.S. Nuclear Regulatory Commission
Director, Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
Washington, D.C. 20555

Hazleton Radiology Associates
Hazleton, Pa.

RADIOACTIVE MATERIAL

- A. Element and Mass Number: 153-Gd
- B. Chemical and/or Physical form: GdO_2
- C. Possission Limit: 3000mCi Total
- D. Manufacturer: Gulf Nuclear
- E. Model Number: Model GD-1
- F. NRC device Registration Number: NR-430-D-101-S
- G. FDA 510K Approval (K802180A)

Hazleton Radiology Associates
Hazleton, Pa.

Purpose for Which Licensed
Material Will be Used

^{153}Gd will be used in the DP3 Spine/Femur Scanner. This Instrument is used for the diagnosis and monitoring of bone disease. This method of bone disease monitoring and diagnosis utilizes the principle of single-photon absorptiometry (SPA).

Hazleton Radiology Associates
Hazleton, Pa.

Authorized Users

Romeo C. Quano, M.D.

Edgar Dessen, M.D.

Joseph Kalowsky, D.O.

Arthur S. Haber, M.D.

Hermenigildo A. Almaria, M.D.

Stanley P. Laucks, Jr., M.D.

Raulie Rodrigo, M.D.

All of the above named physicians are currently under
NRC License No. 37-15217-01. Please refer to this license
number for their training and experience.

PERSONNEL TRAINING PROGRAM

- I. Individuals who work in or frequent restricted areas will be instructed in the items specified in 10 CFR 19.12 at the time of initial employment and at least annually thereafter.

This instruction will include:

- a. All terms of the license pertinent to radiation safety.
 - b. Areas where radioactive material is used or stored.
 - c. Potential hazards associated with radioactive material.
 - d. Radiological safety procedures appropriate to their respective duties.
 - e. Pertinent NRC regulations.
 - f. Rules and regulations of the license.
 - g. Obligation to report unsafe conditions to the radiation safety officer.
 - h. Appropriate response to emergencies or unsafe conditions.
 - i. Right to be informed of their radiation exposure and bioassay results.
 - j. Locations where the licensee has posted or made available notices, copies of pertinent regulations, and copies of pertinent licenses and license conditions (including applications and applicable correspondence), as required by 10 CFR Part 19.
- II. Individuals whose duties may require them to work in the vicinity of licensed material will be informed about radiation hazards and appropriate precautions at the time of initial employment and at least annually thereafter.

Hazleton Radiology Associates
Hazleton, PA

FACILITIES AND EQUIPMENT

The Lunar DP3 Spine/Femur Scanner, NRC device registration NR-430-D-101-S is a self-contained unit with an internal ^{153}Gd , 1.500 mCi source. The sealed source will be leak tested each six months.

The Scanner will be utilized in a separate room with access only to authorized personnel. This area is secured while not in use. Please see the enclosed diagram for the proposed site.

CPED: Union

Empty Office

Proposed Location
ADSR Department
← 15ft →

Empty Office

Office
SIR (SIR) Office

Empty Office

Empty Office

Conference Room

POD (POD)

Waiting Area

BATH ROOM

10ft

10ft

BATH ROOM

MAIN OFFICE

4ft

ULTRA SOUND

XEROX PROCESSING

DOOR

READING AREA

Analyst Office

Analyst Office

Analyst Office

DRESSING ROOM
DRESSING ROOM
DRESSING ROOM

DARK ROOM

X-RAY

FLOOR

X-RAY

CHANGING ROOM

Hazleton Radiology Associates
Hazleton, Pa.

Radiation Safety Program

The 153-Gd is a sealed source to be used in the Lunar DP3 Spine/
Femur Scanner, NRC device registration NR-430-D-101-S.

The 153-Gd source will be installed by a qualified expert who
will provide initial training for instruction on source
replacement and wipe testing.

The Sealed source will be wipe tested each six (6) months
and following replacement.

The decayed source will be returned to the manufacturer
for wasted disposal.

The unit will be used under the direction of the Authorized users
by a registered radiological technologist.

The room will be secured when not in use to maintain unauthorized
access to the unit.

All individuals operating the unit will wear whole body film
badges which will be exchanged monthly.

Hazleton Radiology Associates
Hazleton, Pa.

Waste Management

^{153}Gd has a source life of 12-18 months typically.
When the source is no longer useful, it will be replaced
with a new source. At this time the decayed source will
be returned to the manufacturer for waste disposal.
The decayed source will not remain in house for decay.

BETWEEN: William O. Miller, Chief
License Fee Management Branch
Office of Administration

John E. Glenn, Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: Hazleton Radiology Associates

Application Dated: 6/7/85

Control No.: 03945

License No.: NEW

2. FEE ATTACHED

Amount: \$ 580.00

Check No.: 17353

3. COMMENTS

Signed Brenda P. Latchek

Date 6/12/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: \$580 - 7C

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

Amendment

Renewal

License

Signed L. Jackson

Date 6/24/85

new

"SECTION COPY"

HAZLETON RADIOLOGY ASSOCIATES - A PROFESSIONAL CORPORATION

17353

NORTHEASTERN BUILDING
HAZLETON, PA. 18201

7 JUNE 19 85

60-1
313

PAY
TO THE
ORDER OF

U. S. NUCLEAR REGULATORY COMMISSION

\$ 580.00

Five hundred & eighty

⁰⁰/₁₀₀ DOLLARS

HAZLETON RADIOLOGY ASSOCIATES

NORTHEASTERN BANK
of Pennsylvania
Hazleton Office
Hazleton, Pennsylvania 18201

Arthur S. Habes

FOR

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