

Main Line Health
Lankenau Hospital

August 29, 2005

NMSB1

Main Line Health

Radiation Oncology Department

Bryn Mawr Hospital

Lankenau Hospital

Paoli Hospital

Bryn Mawr Rehab Hospital

Great Valley Health

The Home Care Network

Lankenau Institute for
Medical Research

Main Line Health Centers
Exton
Lawrence Park
Shannondell
Upper Providence

Main Line Health
Adult Day Services

Main Line
Clinical Laboratories

Wayne Center

US NRC Region One Office
Medical Licensing Section
475 Allendale Road
King of Prussia, PA 19406-1415

03003048

37-07905-04

RE: License Amendment For ~~37-07722-04~~ – Addition of Authorized Medical
Physicists *WMS*

To Whom It May Concern:

We are writing to request an amendment to our NRC license to allow us to add two
physicists to our license as Authorized Medical Physicists (AMP's). One of the
physicists is an ABR certified physicist who meets the criteria for 10 CFR 35.51(a).
Form 313A is included along with his a copy of his certificate.

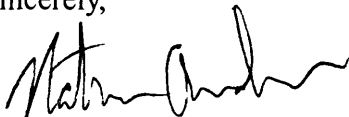
The second physicist has just completed the requirements of 10 CFR 35.51(b).
Attached to this are Form 313A filled out with the details of her training and the
preceptor forms for the physicists responsible for this training.

If there are any questions in the processing of this amendment, please contact:

Nathan Anderson, MS DABR
Bryn Mawr Hospital
Department of Radiation Oncology
130 S. Bryn Mawr Ave.
Bryn Mawr, PA 19010

Email: AndersonN@mlhs.org
Phone: (610) 645-2581

Sincerely,



Nathan Anderson
Medical Physicist

RECEIVED
PERIOD 1
2005 SEP -6 PM 1:07

137635

NMSS/RONI MATERIALS-002

NRC FORM 313

(4-2004)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2005

APPLICATION FOR MATERIAL LICENSE

Estimated burden per response to comply with this mandatory collection request: 7 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 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@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.

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:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
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, MISSISSIPPI, 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

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

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, 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
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

03003098

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 37-07905-04

☐

C. RENEWAL OF LICENSE NUMBER

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

Gail A. Egan, President
Lankenau Hospital and Lankenau Institute
100 Lancaster Ave.
Wynnewood, PA 19096

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Lankenau Hospital and Lankenau Institute
Department of Radiation Oncology
Basement
100 Lancaster Ave.
Wynnewood, PA 19096

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Nathan Anderson, Authorized Medical Physicist

TELEPHONE NUMBER

(610) 645-2581

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

AMOUNT
ENCLOSED

\$ 0.00

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

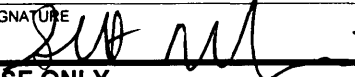
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND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

Scott McKinnon

SIGNATURE



DATE

8/30/05

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		

APPROVED BY

DATE

137635

**MEDICAL USE TRAINING AND EXPERIENCE
AND PRECEPTOR ATTESTATION**

APPROVED BY OMB: NO. 3150-0120
EXPIRES: 10/31/2005

PART I -- TRAINING AND EXPERIENCE

Note: Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulation (10 CFR Part 35)

1. Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)

Benjamin Anderson, Authorized Medical Physicist, 10 CFR 35.51(b) for HDR, LDR I-125 Prostate Seeds, Gliasite, Novoste IVB

2. For Physicians, Podiatrists, Dentists, Pharmacists -- State or Territory Where Licensed

3. CERTIFICATION

- a. Provide a copy of the board certification. *(Stop here if applying under 10 CFR Part 35, Subpart J or 35.590(a); continue if applying under other subparts.)*
 - b. Provide documentation in appropriate items 4 through 10 of training or clinical case work required by 35.50(e); 35.51(c); 35.290(c)(1)(ii)(G) for AU seeking 35.200 authorization; 35.390(b)(1)(ii)(G); 35.396(d)(1) and 35.396(d)(2); 35.590(c); or 35.690(c).
 - c. Provide completed Part II Preceptor Attestation, Items 11a through 11d.
- Stop here after completing items 3a, 3b, and 3c when using board certification to meet 10 CFR Part 35 training and experience requirements.

4. INDIVIDUALS IDENTIFIED ON A LICENSE OR PERMIT AS RADIATION SAFETY OFFICERS (RSO), AUTHORIZED USERS (AU), AUTHORIZED MEDICAL PHYSICISTS (AMP), OR AUTHORIZED NUCLEAR PHARMACISTS (ANP) SEEKING ADDITIONAL AUTHORIZATIONS

- a. Provide a copy of the license or broadscope permit listing the current authorization **and** (b) or (c)
- b. Complete items 6c (and 10 when training is provided by an RSO, AMP, ANP, or AU) and preceptor items 11b through 11d to meet requirements for: RSO in 35.50(c)(2) or 35.50(e); or AU in 35.290(c)(1)(ii)(G) or 35.390(b)(1)(ii)(G) or 35.590(c) or 35.690(c); or AMP under 35.51(c).
- c. Complete items 5, 6a, 6b, 10, and Preceptor items 11a through 11d to meet AU requirements in 35.396(a).

5. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Physicists)

Description of Training	Location	Clock Hours	Dates of Training
Radiation Physics and Instrumentation			
Radiation Protection			
Mathematics Pertaining to the Use and Measurement of Radioactivity			
Radiation Biology			
Chemistry of Byproduct Material for Medical Use			
OTHER			

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6a. WORK OR PRACTICAL EXPERIENCE WITH RADIATION

Description of Experience	Name of Supervising Individual(s)	Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience
Clinical Rotations at Barrett Cancer Center, I-125 Prostate Seed Implants, Stereotactic Radiosurgery, LDR manual Brachytherapy, Novoste IVBT	Howard Elson	Univ. Hosp, 234 Goodman St, Cincinnati, Ohio 45219 34-06903-05	18 months Sept 2002- June 2004
Full Time Employment-Clinical Medical Physicist - HDR program, I-125 Prostate Seeds, Glaisite Observation, Rad Safety Program	Nathan Anderson	Lankenau Hospital Department of Rad Onc 100 Lancaster Ave,	13 months Aug 2004 - Sept 2005
		Wynnewood, PA 19096 37-07905-04	

6b. SUPERVISED CLINICAL CASE EXPERIENCE (describe experience elements in 6a)

Radionuclide	Type of Use	No. of Cases Involving Personal Participation	Name of Supervising Individual	Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6c. TRAINING FOR SECTIONS 35.50(e), 35.51(c), 35.590(c), or 35.690(c)

Training Element	Type of Training *	Location and Dates
HDR Calibrations, QA, and clinical cases participated in simulation, planning, qa, and calibrations	supervised by Nathan Anderson and vendor safety training	Lankenau Hospital, Aug 2004 - Sept 2005
I-125 prostate seed implants - ordering, package receipt, calibration, inventory, waste tracking, planning and rad safety	supervised by Al Denittis, AU, Nathan Anderson, AMP and Della Hutchenson, AMP	Lankenau Hospital
Gliasite - ordering, package receipt, inventory, waste tracking, planning and rad safety, area and patient surveys	supervised by N. Anderson, AMP	Lankenau Hospital 3 cases

* Types of training may include supervised (complete item 10 for 35.50(e), 35.51(c), and 35.690(c)), didactic, or vendor training.

7. FORMAL TRAINING Physicians (for uses under 35.400 and 35.600) and Medical Physicists

Degree, Area of Study or Residency Program	Name of Program and Location with Corresponding Materials License Number	Dates	Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490)

8. RADIATION SAFETY OFFICER (RSO) -- ONE-YEAR FULL-TIME EXPERIENCE

- ☐ YES Completed 1 year of full-time radiation safety experience (in areas identified in item 6a) under supervision.
- ☐ N/A of _____ the RSO for License No. _____.

9. MEDICAL PHYSICIST -- ONE-YEAR FULL-TIME TRAINING/WORK EXPERIENCE

- ☒ YES Completed 1 year of full-time training (for areas identified in item 6a) in therapeutic radiological physics (35.961) or medical physics (35.51) under the supervision of Howard Elson
- ☐ N/A who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51);

and

- ☒ YES Completed 1 year of full-time work experience (at location providing radiation therapy services described and for topics identified in item 6a) for (specify use or device) HDR, Gliasite, Prostate Seed Implants
- ☐ N/A under the supervision of Nathan Anderson who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51) (specify use or device) HDR, Gliasite, Novoste IVBT.

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

10. SUPERVISING INDIVIDUAL -- IDENTIFICATION AND QUALIFICATIONS

The training and experience indicated above was obtained under the supervision of (if more than one supervising individual is needed to meet requirements in 10 CFR Part 35, provide the following information for each) :

A. Name of Supervisor

Nathan Anderson

B. Supervisor is:

☐

Authorized User

☒

Authorized Medical Physicist

☐

Radiation Safety Officer

☐

Authorized Nuclear Pharmacist

C. Supervisor meets requirements of Part 35, Section(s) 51, 690, and 961

for medical uses in Part 35, Section(s) 633

D. Address

E. Materials License Number

Lankenau Hospital Wynnewood,
PA 19096 37-07905-04

PART II -- PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. This part is not required to meet training requirements in 35.590 or Part 35, Subpart J (except 35.980).

I attest the individual named in Item 1:

11a.

☒

has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) 690(c),
as documented in section(s) 6c of this form.

11b. Select one

☒

meets the requirements in ☐ 35.50(e) ☐ 35.51(c) ☐ 35.390(b)(1)(ii)(G) ☒ 35.690(c) for HDRgliasite
types of use, as documented in section(s) 6c of this form.

☐ N/A

11c.

☐

has achieved a level of competency sufficient to independently operate a nuclear pharmacy (for 35.980); **or**

☒

has achieved a level of competency sufficient to function independently as an authorized
medical physicist for HDR, GLiasite, Prostateseeds uses (or units); **or**

☐

has achieved a level of radiation safety knowledge sufficient to function independently as a Radiation Safety
Officer for a medical use licensee ; **or**

☐ N/A

11d.

☐

I am an Authorized Nuclear Pharmacist; **or** ☐ I am a Radiation Safety Officer; **or**

☒

I meet the requirements of 51, 690, 961 section(s) of 10 CFR Part 35

or equivalent Agreement State requirements to be a preceptor ☐ AU or ☒ AMP

for the following byproduct material uses (or units): HDR, Gliasite, I-125 Prostate Seeds

A. Address

Lankenau Hospital
Department of Radiation Oncology, Basement
100 Lancaster Ave.
Wynnewood, PA 19096

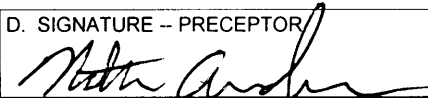
B. Materials License Number

37-07905-04

C. NAME OF PRECEPTOR (print clearly)

Nathan Anderson

D. SIGNATURE -- PRECEPTOR



E. DATE

6/29/05

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

8/29/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☒ AMEND. 37-07722-04 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** 137635.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.