



WHEELING JESUIT UNIVERSITY

Nuclear Medicine

2/18/05

USNRC Region II
Materials Licensing Branch
Division of Nuclear Material Safety
101 Marietta Street, NW Suite 2900
Atlanta, GA 30323-0199

RE: NRC License #47-14258-01

03014938

To Whom It May Concern:

Enclosed please find the application for renewal of the above referenced license for our facility.

We have followed NUREG-1556, Vol.9 in the preparation of this application.

Please contact me if you have any questions.

Sincerely,

Angela R. Macci Bires, M.P.M, RT (N), CNMT
Radiation Safety Officer

05 MAR -4 10:55

RECEIVED
REGION 2

Enclosure

136544

NMSS/RGNI MATERIALS-002

NRC FORM 313
(10-2002)
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 Management Branch (T-6 E6), 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:

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:

SAM NUNN ATLANTA FEDERAL CENTER
U. S. NUCLEAR REGULATORY COMMISSION, REGION II
61 FORSYTH STREET, S.W., SUITE 23T85
ATLANTA, GEORGIA 30303-8931

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
801 WARRENVILLE RD.
LISLE, IL 60532-4351

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

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.

<p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____</p> <p><input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER <u>47-14258-01</u></p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)</p> <p>Wheeling Jesuit University 316 Washington Avenue Wheeling, West Virginia 26003-6295</p>
<p>3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>Same as #2</p>	<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>Vincent Gargaro, MS, MBA, Medical Physicist</p> <p>TELEPHONE NUMBER</p> <p>440-327-9432</p>

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.

<p>5. RADIOACTIVE MATERIAL <u>See Attached</u> a. Element and mass number; b. chemical and/or physical form; and c. maximum amount</p>	<p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.</p>				
<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.</p>	<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.</p>				
<p>9. FACILITIES AND EQUIPMENT.</p>	<p>10. RADIATION SAFETY PROGRAM.</p>				
<p>11. WASTE MANAGEMENT.</p>	<p>12. LICENSE FEES (See 10 CFR 170 and Section 170.31)</p> <table border="1"> <tr> <td>FEE CATEGORY</td> <td>NA</td> <td>AMOUNT ENCLOSED</td> <td>\$</td> </tr> </table>	FEE CATEGORY	NA	AMOUNT ENCLOSED	\$
FEE CATEGORY	NA	AMOUNT ENCLOSED	\$		

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

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE <u>Joseph R. HACALA, S.T.</u>	SIGNATURE <u>[Signature]</u>	DATE <u>2/15/05</u>
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FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	<u>136544</u>

**Wheeling Jesuit University
316 Washington Avenue
Wheeling, West Virginia 26003-6295**

NRC LICENSE RENEWAL FOR #47-14258- 01

NRC FORM 313

Item 5 & 6 Radioactive Material and Purpose for Which Licensed Material
Will Be Used

<u>Byproduct Material</u>	<u>Chemical or Physical Form</u>	<u>Amount</u>
A. Any byproduct material identified in 10 CFR 35.100	Any radiopharmaceutical identified in 10 CFR 35.100	As Needed
B. Any byproduct material identified in 10 CFR 35.200	Any radiopharmaceutical identified in 10 CFR 35.200	As Needed
C. Any byproduct material identified in 10 CFR 31.11	Prepackaged Kits	As Needed
D. Cesium 137	Sealed Source	5 millicuries
E. Barium 133	Sealed Source	1 millicurie

Purpose of Authorized Use: To be used for teaching and training of students.

Item 7 Individual Responsible for Radiation Safety Program and Their Training and Experience.

The RSO for this facility is Angel R. Macci Bires, M.P.M. , RT (N).
For training and experience refer to prior NRC License Application
47-14258-01.

Authorized Users:

Angel R. Macci Bires, M.P.M., RT (N)
Vincent A. Garqaro, M.S., M.B.A., Medical Physicist, Certified Radiation Expert

Please refer to the enclosed documentation of the credentials for Mr. Gargaro and Ms. Mason.

Mr. Gargaro is listed on State of Ohio Radioactive Materials License 2120380001 for EMH Regional Healthcare and on State of Pennsylvania Radioactive Material License #PA-0087 and NRC License #37-0044402 for Hamot Medical Center.

**Wheeling Jesuit University
316 Washington Avenue
Wheeling, West Virginia 26003-6295**

NRC LICENSE RENEWAL FOR #47-14258- 01

- Item 8 Training for Individuals Working in or Frequenting Restricted Areas.
- We will establish and implement a Model Training Program that meets the requirements of 10 CFR 19.12 and 10 CFR 35.27 and Appendix J of NUREG – 1556 Vol. 9.
- Item 9 Facility and Equipment
- Item 9 – A Facilities of Use:
- Wheeling Jesuit University
 316 Washington Avenue
 Wheeling, West Virginia 26003-6295
- Item 9 - B Refer to the attached diagram.
- Item 10 Safety Procedures and Instructions
- Item 10 - 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," dated October, 2002.
- Item 10 - B Area Survey Records
- We will establish and 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.
- Item 10 - C Safe Use of Unsealed Licensed Material
- We have developed and will implement and maintain procedures for safe use of unsealed byproduct material that meet the requirements of 10 CFR 20.1101 and 10 CFR 20.1301

**Wheeling Jesuit University
316 Washington Avenue
Wheeling, West Virginia 26003-6295**

NRC LICENSE RENEWAL FOR #47-14258- 01

Item 10 – D Spill Procedures

We have developed and will implement and maintain written procedures for safe response to spills of licensed material in accordance with 10 CFR 10.1101, NUREG – 1556 Vol.9.

Item 10 – E Leak Testing

Leak testing of sealed sources will be done in accordance with the procedures as published in Appendix Q to NUREG – 1556, Vol. 9.

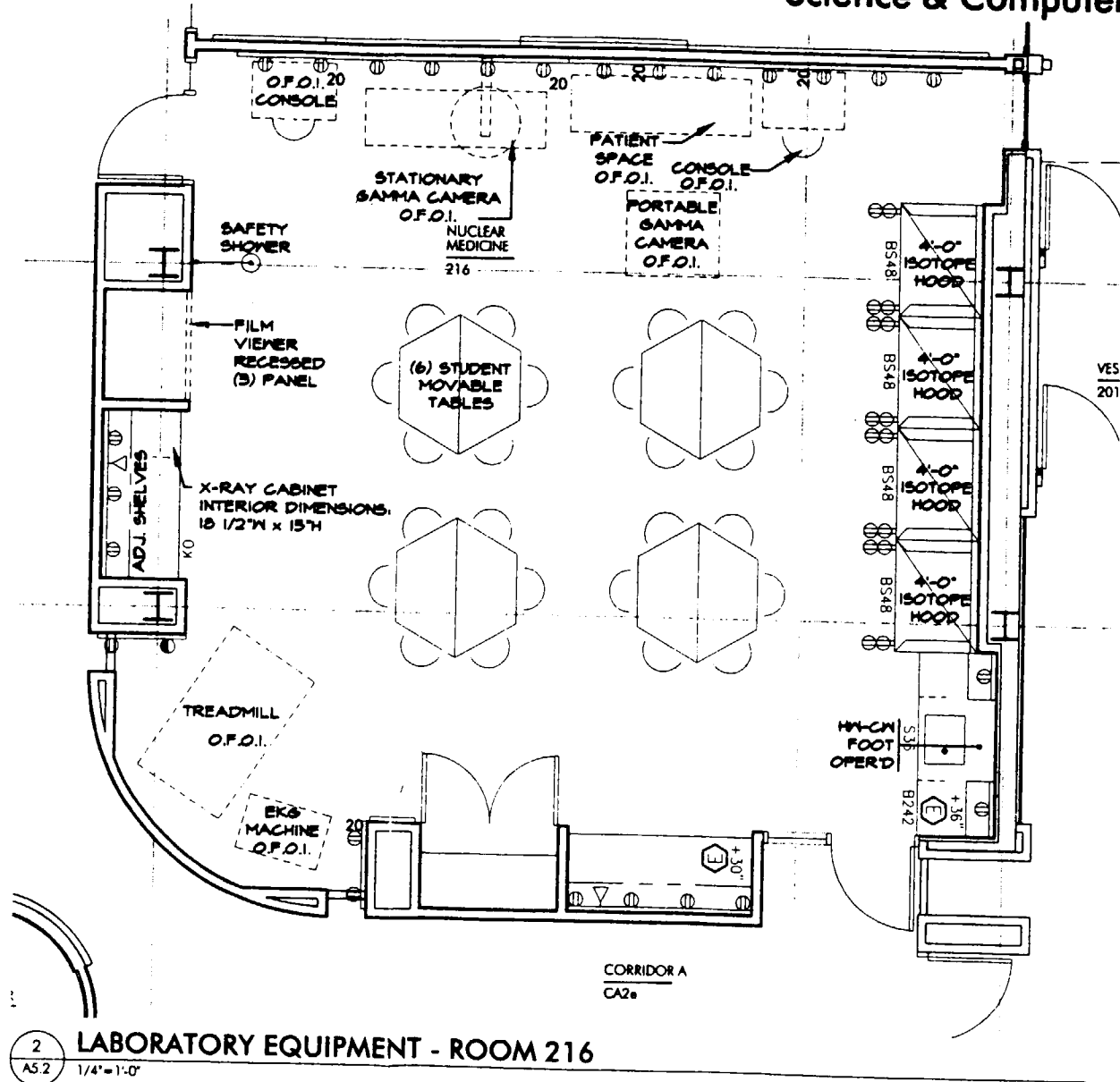
Item 11 Waste Management

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

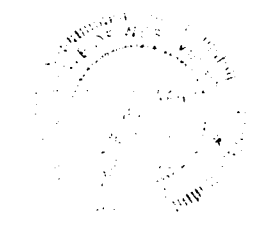
Wheeling Jesuit University Science & Computer Building



TIMBER COURT
127 ANDERSON STREET
PITTSBURGH, PA 15212-5801
TEL. (412) 321-0560
FAX (412) 321-2431



2 LABORATORY EQUIPMENT - ROOM 216
AS.2 1/4" = 1'-0"



MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	In accordance with the letter received November 14, 2001
1. Wheeling Jesuit University	3. License No. 47-14258-01
2. 316 Washington Avenue Wheeling, West Virginia 26003-6295	is amended in its entirety to read as follows:
	4. Expiration Date: March 31, 2005
	5. Docket No. 030-14938

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed
C. Any byproduct material identified in 10 CFR 31.11	C. Prepackaged Kits	C. As needed
D. Cesium 137	D. Sealed source	D. 5 millicuries
E. Barium 133	E. Sealed source	E. 1 millicurie

9. Authorized Use:

A. through E. To be used for teaching and training of students.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities located at 316 Washington Avenue, Wheeling, West Virginia.
- 11. The Radiation Safety Officer for this license is Angela R. Macchi.
- 12. Licensed material listed in Item 6 above shall be used by, or under the supervision of Angela R. Macchi.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License No.
47-14258-01Docket No.
030-14938Amendment No.
7

13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.
- B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- C. The test shall be capable of detecting the presence of 185 becquerels (Bq) (0.005 microcurie) of radioactive material on the test sample. If the test reveals the presence of 185 Bq or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall specify the source involved, the test results, and corrective action taken.
- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be opened by the licensee.
15. The licensee shall not use licensed material in or on human beings, animals, or in field applications where activity is released except as provided otherwise by specific condition of this license.
16. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:
- A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.
- B. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate survey meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
- C. A record of each disposal permitted under this license condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
17. In addition to the possession limits in item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35 for establishing decommissioning financial assurance.

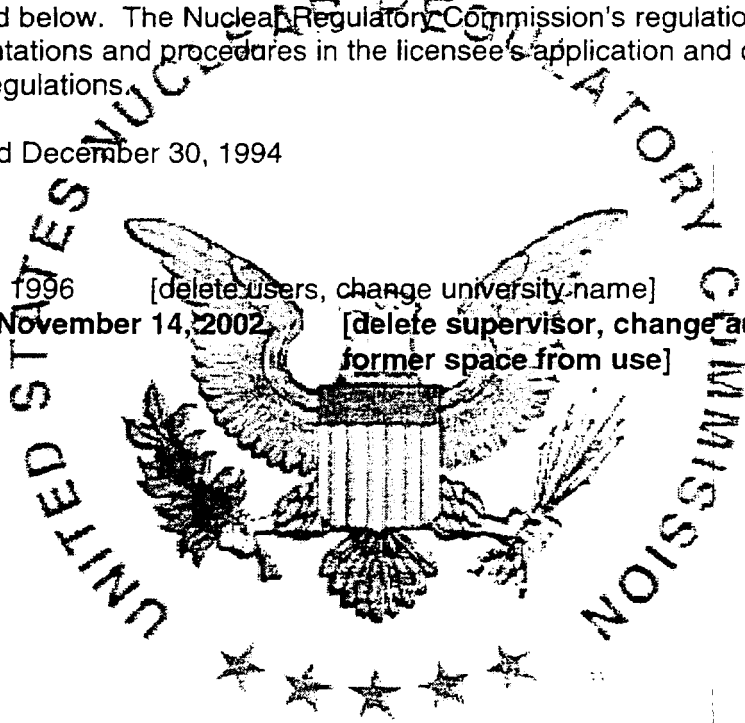
**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No.
47-14258-01

Docket No.
030-14938

Amendment No.
7

- 18. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
- 19. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Application dated December 30, 1994
 - B. Letters dated:
 - 1) August 25, 1996 [delete users, change university name]
 - 2) Received November 14, 2002 [delete supervisor, change authorized space, remove former space from use]



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

DATE JAN 31 2002

BY David J. Collins

David J. Collins
Region II, Division of Nuclear Materials Safety
61 Forsyth Street, SW, Suite 23T85
Atlanta, GA 30303-8931

VINCENT A. GARGARO, M.B.A., M.S.
President and Medical Physicist

EDUCATION

Radiology Technology, Mercy Hospital, Pittsburgh, PA., 1972
Nuclear Medicine Institute, Nuc. Med. Technology, Cleveland, OH, 1976
Nuclear Endocrine Laboratory, Cleveland, OH, 1976
Bionucleonics, Duquesne University, Pittsburgh, PA, 1976
Quality Assurance in Nuclear Medicine, Bureau of Radiological Health, F.D.A., 1977
Health Physics in Radiation Accidents, Oak Ridge Associated Universities, 1984
Radon Testing Specialist, Key Technologists, Pittsburgh, PA, 1988
Bachelor of Applied Science, Radiology and Nuc. Med., Siena Heights College, Adrian, MI. 1988
Master Business Admin. (Public Health), 1990, Lake Erie College,
Mammographic Image Quality, 1994, American College of Radiology
Master of Science in Biomedical Sciences, (MSBS) Medical Physics, 1999, Medical College of Ohio

PROFESSIONAL APPOINTMENTS

1976-1978 Program Director Associate Professor, Nuclear Medicine Technology Program,
Community College of Allegheny County, Pittsburgh, PA.
1978-1979 Consulting Physicist, Amici, Inc., Fairview Village, PA
1978-1979 Radiation Safety Officer and Consulting Physicist, National Inspection and Consultants,
Coraopolis, PA
1979-1983 Educational Coordinator and Consulting Medical Physicist, Nuclear Med. Associates,
Cleveland, Ohio
1983-Present President, Radiation Safety Officer and Medical Physicist,
Universal Consultants, Inc., North Ridgeville, OH.
2000-Present Adjunct Professor, Nuclear Medicine Technology Program,
Wheeling Jesuit University, Wheeling West Virginia

CERTIFICATION

Radiation Expert, State of Ohio. Diagnostic and Mammography
Qualified Radiation Expert, State of Pennsylvania
Registered Medical Health Physicist, License MHP-0000043 and Registered
Radiological Physicist, License DRP-0000067 for the State of Florida
Registered to perform Health Physics Consulting in the State of North Carolina, License #X000403
Registered to perform Health Physics Consulting in the State of West Virginia, Registration #806001
and #906000
Designated by MQSA as a Diagnostic Imaging Specialist, State of Illinois, State of Pennsylvania
Qualified Expert, State of Kentucky
American Registry for Radiological Technology Nuclear Medicine Technologist Certification Board
American Society of Clinical Pathologists, Board of Registry
American Board of Radiology, Part 1, Part 2.

PROFESSIONAL SOCIETIES

American Association of Physicists in Medicine
Society of Nuclear Medicine
American Society of Radiological Technologies
American Society of Clinical Pathologists
American Nuclear Society
Cleveland Area Medical Physicists
American Institute of Physics
American Society of Non-Destructive Testing
American Brachytherapy Society

PUBLICATIONS: Numerous Papers, Presentations and Publications available upon request.



UNIVERSAL CONSULTANTS, INC.
CONSULTING PHYSICS GROUP

35888 Center Ridge Road, Suite #7
North Ridgeville, Ohio 44039
(440) 327-9432 Fax (440) 327-6280

Medical College of Ohio At Toledo

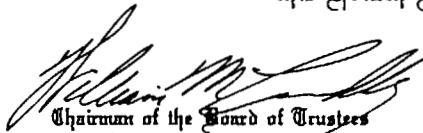


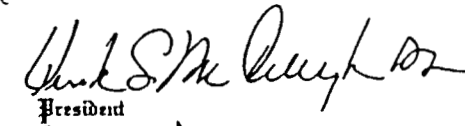

The Faculty and The Board of Trustees
of the Medical College of Ohio at Toledo
hereby confer the degree of

Master of Science in Biomedical Science
upon
Vincent Angelo Gargaro

Who has complied with all requirements of The Graduate School of The Medical College of Ohio at Toledo
and is entitled to all the honors, rights, and privileges pertaining therewith.

In testimony whereof, this degree is conferred, sealed with the seal of
The Medical College of Ohio at Toledo, Ohio,
this Fourth Day of June in the year Nineteen Hundred and Ninety-Nine.


Chairman of the Board of Trustees
Allan Block
Secretary of the Board of Trustees


President

Dean of the Graduate School

OHIO DEPARTMENT OF HEALTH
RADIOLOGIC TECHNOLOGY SECTION

PRESENTS THIS

RADIATION EXPERT CERTIFICATE

TO

Vincent A. Gargaro

Radiation Expert Category: Diagnostic Other Than Mammography
Mammography

Date of Expiration: September 22, 2006

Nick Baird
Nick Baird, M.D.
Director of Health

Certification Number: 030

OHIO DEPARTMENT OF HEALTH
LICENSE FOR RADIOACTIVE MATERIAL

Pursuant to Chapter 3748 of the Ohio Revised Code, and in reliance on statements and representations made by the licensee, a license is hereby issued authorizing the licensee named herein to receive, acquire, possess, and transfer radioactive material as designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the applications of Chapter 3748 of the Ohio Revised Code and all applicable rules promulgated thereunder. This license is subject to all applicable rules, regulations and orders of the Ohio Department of Health now or hereinafter in effect and to any conditions specified below.

LICENSEE	LICENSE NUMBER
1. EMH Regional Medical Center	3. 02120480001
	EXPIRATION DATE
	4. August 01, 2008
2. 638 East River Street Elyria, Ohio 44035	BUREAU DOCKET NUMBER
	5. JA50-12-97

6. RADIOACTIVE MATERIAL	7. CHEMICAL AND/OR PHYSICAL FORM	8. MAXIMUM QUANTITY THAT LICENSEE MAY POSSESS AT ANY ONE TIME UNDER THIS LICENSE
A. Any radioactive material identified in 10CFR35.100	A. Any radiopharmaceutical form	A. As needed, not to exceed 3.7 GBq (100 mCi) of Co-57
B. Any radioactive material identified in 10CFR35.200	B. Any radiopharmaceutical form, excluding generators	B. As needed
C. Any radioactive material identified in 10CFR35.300	C. Any radiopharmaceutical form, excluding I-131 for thyroid carcinoma therapy	C. As needed, not to exceed 37 GBq (1 Ci) of I-131
D. Any radioactive material identified in 10CFR35.400	D. Sealed brachytherapy sources, excluding Cs-137	D. As needed
E. Any radioactive material identified in rule 3701:1-46-11	E. Prepackaged kits	E. As needed
F. Phosphorus-32	F. Guidant Corporation intravascular brachytherapy system	F. 66.6 GBq (1.8 Ci) total, 22.2 GBq (600 mCi) per source assembly. Three source assemblies.
G. Iridium-192	G. Cordis intravascular brachytherapy system	G. 1.38 GBq (35 mCi) per seed, in a three-ribbon set containing 6, 10, and 14 seeds per ribbon. 39 GBq (1.1 Ci) total per set.
H. Cobalt-57	H. Sealed source (DuPont NES-392 or equivalent)	H. As needed, no single source to exceed 925 MBq (25 mCi)

9. AUTHORIZED USE

- A. Medical use described in 10CFR35.100, as delineated in rule 3701-39-02.1 of the Ohio Administrative Code.
- B. Medical use described in 10CFR35.200, as delineated in rule 3701-39-02.1 of the Ohio Administrative Code.
- C. Medical use described in 10CFR35.300, excluding I-131 for thyroid carcinoma therapy, as delineated in rule 3701-39-02.1 of the Ohio Administrative Code.
- D. Medical use described in 10CFR35.400, as delineated in rule 3701-39-02.1 of the Ohio Administrative Code.
- E. In Vitro studies in accordance with rule 3701:1-46-11 of the Ohio Administrative Code.
- F. For use in Guidant Corporation Galileo™ intravascular brachytherapy high dose rate afterloader devices for intravascular brachytherapy.
- G. For use in the Cordis Checkmate™ Catheter System for intravascular brachytherapy.
- H. Check, calibration, and reference sources.

LICENSE FOR RADIOACTIVE MATERIALS

SUPPLEMENTARY SHEET

License Number: 02120480001

Bureau Docket Number: JA50-12-97

Amendment No.: 8

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at:

630 East River Street
Elyria, Ohio 44035

11. The Radiation Safety Officer for this license is:

Vincent A. Gargano, M. S., MBA

12. The intravascular brachytherapy physicians for this license are:

Dale Starchman, Ph.D. David Hykes, Ph.D. Paul N. Shaheca, M.S. Louis Milavickas, Ph.D.

13. Licensed material shall be used by, or under the supervision of, individual(s) designated in writing:

Authorized UserMaterial and Use

- | | |
|-----------------------------------|---|
| A. Munir Ahmad, M.D. | A. 10CFR35.400 uses, P-32 in Guidant Galileo™ IVB remote afterloader device for intravascular brachytherapy, and Ir-192 in Cordis Checkmate™ Catheter system for intravascular brachytherapy |
| B. Paresk Arora, M.D. | B. 10CFR35.100, 35.200, and 35.300 uses, excluding I-131 for thyroid carcinoma |
| C. Karen Basile, M.D. | C. 10CFR35.100, 35.200, and 3701:1-46-11 uses |
| D. F. H. Dengel, M.D. | D. 10CFR35.100, 35.200, 35.300, excluding I-131 for thyroid carcinoma, and 3701:1-46-11 uses |
| E. Ralph R. Dobeibower, Jr., M.D. | E. 10CFR35.300, excluding I-131 for thyroid carcinoma, and 35.400 uses, P-32 in Guidant Galileo™ IVB remote afterloader device for intravascular brachytherapy, and Ir-192 in Cordis Checkmate™ Catheter system for intravascular brachytherapy |
| F. Peter Fantou, D.O. | F. 10CFR35.100, 35.200, 35.300, excluding I-131 for thyroid carcinoma, and 3701:1-46-11, uses |
| G. William Ferber, M.D. | G. 10CFR35.100, 35.200, 35.300, excluding I-131 for thyroid carcinoma, and 3701:1-46-11 uses |
| H. Eric C. Flint, M.D. | H. 10CFR35.100, 35.200, and 3701:1-46-11 uses |
| I. Francis M. Kearney, M.D. | I. 10CFR35.100, 35.200, and 35.300 uses, excluding I-131 for thyroid carcinoma |
| J. Shereff N. Khalil, M.D. | J. 10CFR35.100, 35.200, 35.300, excluding I-131 for thyroid carcinoma, and 3701:1-46-11 uses |
| K. S. Michael Kulasingham, M.D. | K. 10CFR35.100, 35.200, and 3701:1-46-11 uses |
| L. Eduardo P. Martinez, M.D. | L. 10CFR35.100, 35.200, 35.300, excluding I-131 for thyroid carcinoma, and 3701:1-46-11 uses |
| M. Cathy S. Miller, M.D. | M. 10CFR35.100, 35.200, 35.300, excluding I-131 for thyroid carcinoma, and 3701:1-46-11 uses |
| N. Carlos E. Fernandez Pena, M.D. | N. 10CFR35.100, 35.200, 35.300, excluding I-131 for thyroid carcinoma, and 3701:1-46-11 uses |
| O. Joseph A. Schoenberger, M.D. | O. 10CFR35.100, 35.200, and 3701:1-46-11 uses |
| P. Khalid Raheed Siddiqui, M.D. | P. 10CFR35.400 uses, P-32 in Guidant Galileo™ IVB remote afterloader device for intravascular brachytherapy, and Ir-192 in Cordis Checkmate™ Catheter system for intravascular brachytherapy |
| Q. David Stout, M.D. | Q. 10CFR35.100, 35.200, 35.300, excluding I-131 for thyroid carcinoma, and 3701:1-46-11 uses |
| R. Mark E. Thompson, D.O. | R. 10CFR35.400 uses, P-32 in Guidant Galileo™ IVB remote afterloader device for intravascular brachytherapy, and Ir-192 in Cordis Checkmate™ Catheter system for intravascular brachytherapy |
| S. Timothy Wolinet, M.D. | S. 10CFR35.100, 35.200, 35.300, excluding I-131 for thyroid carcinoma, and 3701:1-46-11 uses |
14. All sealed sources that are used or obtained shall have been evaluated and approved under the provisions of rule 3701:1-46-09 of the Ohio Administrative Code, or by equivalent regulations of the U.S. Nuclear Regulatory Commission, an Agreement State, or NARM licensing state.
15. All persons performing activities meeting the definition of "Nuclear Medicine Technologist" as specified in R.C. 4773.01 shall be licensed and in good standing with the State of Ohio.

OHIO DEPARTMENT OF HEALTH LICENSE FOR RADIOACTIVE MATERIALS SUPPLEMENTARY SHEET	Page <u>3</u> of <u>3</u>
	License Number: 02120480081
	Bureau Docket Number: JAS8-12-97
	Amendment No.: 8

16. In addition to the possession limits in item 8, the licensee shall further restrict the possession of sealed source licensed materials to quantities below the minimum limit specified in rule 3701:1-40-17(C) of the Ohio Administrative Code, for establishing decommissioning financial assurance.
17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The statutes, rules, and orders of the Ohio Department of Health shall govern unless statements, representations, and procedures in the application and correspondence submitted by the licensee are more restrictive than the regulations.
- A. Application for renewal dated April 29, 2003. Letters dated September 29, 2003, September 29, November 24, and December 04, 2003. Amendment 8 to License 02120480081 renews the license in its entirety.

FOR THE OHIO DEPARTMENT OF HEALTH

DATE:

12/22/03

BY:



Director, Ohio Department of Health

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

2/19/2005, and to inform you that the initial processing which includes an administrative review has been performed.

- Renew 47-14058-C1 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** 136514.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

BETWEEN: : (FOR LFMS USE)
 : INFORMATION FROM LTS
 : -----
 :
 License Fee Management Branch, ARM : Program Code: 03620
 and : Status Code: 0
 Regional Licensing Sections : Fee Category: EX 3P
 : Exp. Date: 20050331
 : Fee Comments: 170.11(A)(4)
 : Decom Fin Assur Req'd: N
 :

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED
 Applicant/Licensee: WHEELING JESUIT UNIVERSITY
 Received Date: 20050304
 Docket No: 3014938
 Control No.: 136544
 License No.: 47-14258-01
 Action Type: Renewal

2. FEE ATTACHED
 Amount:
 Check No.:

3. COMMENTS

Signed *Robert J. ...*
 Date 3/11/05

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 _____