

Millennium Diagnostic Center
Millennium CT/MRI/MRA Imaging
Division of Millennium Medical Group, P.C.

28625 Northwestern Hwy, Suite 120-150
Southfield, MI 48034

Phone: (248) 945-0000
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June 1, 2010

U.S. Nuclear Regulatory Commission
Materials Licensing Section
Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532

Dear Sir:


Please amend Byproduct material license no 21-32035-01 for an additional authorized users.

1. Add Stephen J. Gunther, MD (21-32297-01) for 10CFR35.100 and 10CFR35.200.
2. Add Kalil Masri, D.O. Preceptor form attached for 10CFR35.200.

We request that this request be processed as soon as possible.

If there are any questions please call our medical physicist: Ray A. Carlson, M.S. at (734) 455-4730 office / (734) 395-7361 cell.

Sincerely,


Sharon James
Manager

APPENDIX B

NRC FORM 313A (R50) (2-2007)	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2009
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.50]		

Name of Proposed Radiation Safety Officer
KALIL MASRI, D.O.

Requested Authorization(s) The license authorizes the following medical uses (check all that apply):

35.100
 35.200
 35.300
 35.400
 35.500
 35.600 (remote afterloader)
 35.800 (teletherapy)
 35.900 (gamma stereotactic radiosurgery)
 35.1000 ()

PART I - TRAINING AND EXPERIENCE
 (Select one of the four methods below)

Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have obtained related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.

1. Board Certification

a. Provide a copy of the board certification.

b. Use Table 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.

c. Skip to and complete Part II Preceptor Attestation.

OR

2. Current Radiation Safety Officer Seeking Authorization to Be Recognized as a Radiation Safety Officer for the Additional Medical Uses Checked Above

a. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for the additional types of medical use for which recognition as RSO is sought.

b. Skip to and complete Part II Preceptor Attestation.

OR

3. Structured Educational Program for Proposed Radiation Safety Officer

a. Classroom and Laboratory Training

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	ST JOHN OAKLAND	100	
Radiation protection	ST JOHN'S OAKLAND	30	
Mathematics pertaining to the use and measurement of radioactivity	ST JOHN'S OAKLAND	20	
Radiation biology	ST JOHN'S OAKLAND	20	
Radiation dosimetry	ST JOHN'S OAKLAND	30	

Total Hours of Training:


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NRC FORM 313A (R&O) U.S. NUCLEAR REGULATORY COMMISSION
 (2-2007)
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

b. Supervised Radiation Safety Experience

(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Description of Experience	Location of Training/ License or Permit Number of Facility	Dates of Training*
Shipping, receiving, and performing related radiation surveys	Garden City Hospital 	2005
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides		
Securing and controlling byproduct material		
Using administrative controls to avoid mistakes in administration of byproduct material		
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures		
Using emergency procedures to control byproduct material		
Disposing of byproduct material		
Licensed Material Used (e.g., 35.100, 35.200, etc.): 		↓ 2009

* Choose all applicable sections of 10 CFR Part 35 to describe radionuclides and quantities used: 35.100, 35.200, 35.300, 35.400, 35.500, 35.600 remote afterloader units, 35.800 brachytherapy units, 35.900 gamma stereotactic radiosurgery units, emerging technologies (provide list of services).

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NRC FORM 313A (RSC)
 (2-2007)

U.S. NUCLEAR REGULATORY COMMISSION

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

b. Supervised Radiation Safety Experience (continued)

(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Supervising Individual	License/Permit Number listing supervising individual as a Radiation Safety Officer
This license authorizes the following medical uses:	
<input type="checkbox"/> 35.100	<input type="checkbox"/> 35.200
<input type="checkbox"/> 35.500	<input type="checkbox"/> 35.600 (remote afterloader)
<input type="checkbox"/> 35.800 (gamma stereotactic radiosurgery)	<input type="checkbox"/> 35.400
	<input type="checkbox"/> 35.600 (teletherapy)
	<input type="checkbox"/> 35.1000 (_____)

c. Describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.

Description of Training	Training Provided By	Dates of Training*
Radiation safety, regulatory issues, and emergency procedures for 35.100, 35.200, and 35.800 uses		
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses		
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses		
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):		

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U.S. NUCLEAR REGULATORY COMMISSION

NRC FORM 313A (RSO)
(2-2007)

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

c. Training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license (continued)

Supervising individual if training was provided by supervising RSO, AU, ANP, or AMP. (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)

License/Permit Number listing supervising individual

License/Permit lists supervising individual as:

Radiation Safety Officer Authorized User Authorized Nuclear Pharmacist

Authorized Medical Physicist

Authorized as RSO, AU, ANP, or AMP for the following medical uses:

35.100 35.200 35.300 35.400

35.500 35.500 (remote afterloader) 35.600 (teletherapy)

35.600 (gamma stereotactic radiosurgery) 35.1000 (_____)

d. Skip to and complete Part II Preceptor Attestation.

OR

4. Authorized User, Authorized Medical Physicist, or Authorized Nuclear Pharmacist identified on the licensee's license

- a. Provide license number.
- b. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on this license.
- c. Skip to and complete Part II Preceptor Attestation.

PART II - PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each.

First Section
Check one of the following:

1. Board Certification

I attest that _____ has satisfactorily completed the requirements in

Name of Proposed Radiation Safety Officer

10 CFR 35.50(a)(1)(i) and (a)(1)(ii); or 35.50 (a)(2)(i) and (a)(2)(ii); or 35.50(c)(1).

OR

2. Structured Educational Program for Proposed Radiation Safety Officers

I attest that _____ has satisfactorily completed a structural educational

Name of Proposed Radiation Safety Officer

program consisting of both 200 hours of classroom and laboratory training and one year of full-time radiation safety experience as required by 10 CFR 35.50(b)(1).

OR

U.S. NUCLEAR REGULATORY COMMISSION

NRC FORM 313A (R30)
(2-2007)

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

Preceptor Attestation (continued)

First Section (continued)
Check one of the following:

3. Additional Authorization as Radiation Safety Officer

I attest that KALIL MASRI is an
Name of Proposed Radiation Safety Officer

Authorized User

Authorized Nuclear Pharmacist

Authorized Medical Physicist

identified on the Licensee's license and has experience with the radiation safety aspects of similar type of use of byproduct material for which the individual has Radiation Safety Officer responsibilities

AND

Second Section
Complete for all (check all that apply):

I attest that KALIL MASRI has training in the radiation safety, regulatory issues, and
Name of Proposed Radiation Safety Officer

emergency procedures for the following types of use:

Tc-99m diagnostic 1000 MBq 0.5mCi
Cs-137 diagnostic 11 0.5mCi
Ba-133 diagnostic 11 0.20mCi

35.100

35.200

35.300

oral administration of less than or equal to 33 millicuries of sodium iodide I-131, for which a written directive is required

35.300

oral administration of greater than 33 millicuries of sodium iodide I-131

35.300

parenteral administration of any beta-emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required

35.300

parenteral administration of any other radionuclide for which a written directive is required

35.400

35.500

35.600

remote afterloader units

35.600

teletherapy units

35.600

gamma stereotactic radiosurgery units

35.1000

emerging technologies, including:

03/08/2010 19:44 FAX 17344538851

RADIOLOGICAL PHYSICS SVC

001/001

APPENDIX B

NRC FORM 313A (RSO) (2-2007)	U.S. NUCLEAR REGULATORY COMMISSION
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)	

AND

Third Section
Complete for ALL

I attest that KALIL MASRI, D.O. has achieved a level of radiation safety knowledge
Name of Proposed Radiation Safety Officer

sufficient to function independently as a Radiation Safety Officer for a medical use licensee.


Fourth Section

Complete the following for Preceptor Attestation and signature

GARDEN City Hospital
MIDWEST Cardiovascular ASSOCIATE
Name of Facility

I am the Radiation Safety Officer for

License/Permit Number: 21-32502-01

Name of Preceptor <u>E. PAPANIKOLAOU, D.O.</u>	Signature 	Telephone Number <u>(734)261-9211</u>	Date <u>4/13/10</u>
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Certificate of Completion

This is to certify that

Kalil M. Masri, D.O.

has completed the Nuclear Regulatory Commission Required
Nuclear Medicine Physics Course
(200 hours)

March 30, 2000



Ray A. Carlson, M.S.
Radiological Physics Service, Inc.
Plymouth, Michigan

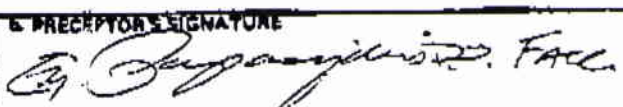
NRC FORM 313M SUPPLEMENT A (8-88)		U.S. NUCLEAR REGULATORY COMMISSION		
TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER		Approved by OMB 3150-0041 Expires 6-30-89		
1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER Kallu M. Masri, D.O		2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE Michigan		
3. CERTIFICATION				
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C		
4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES				
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING		
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D	
a. RADIATION PHYSICS AND INSTRUMENTATION	St. John's Oakland General Hospital Detroit, Michigan 01/2000 - 03/2000	100		
b. RADIATION PROTECTION	St. John's Oakland General Hospital Detroit, Michigan 01/2000 - 03/2000	30		
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	St. John's Oakland General Hospital Detroit, Michigan 01/2000 - 03/2000	20		
d. RADIATION BIOLOGY	St. John's Oakland General Hospital Detroit, Michigan 01/2000 - 03/2000	20		
e. RADIOPHARMACEUTICAL CHEMISTRY	St. John's Oakland General Hospital Detroit, Michigan 01/2000 - 03/2000	30		
5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experiences)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Tc-99m	150 mCi	St. John's Oakland General Hospital	January - March, 2000	Diagnostic
Cs-137	0.250 mCi	St. John's Oakland General Hospital	January - March, 2000	
Ba-133	0.250 mCi	St. John's Oakland General Hospital	January - March, 2000	

**EXHIBIT 3
 SUPPLEMENT B**

SUPPLEMENT		U. S. NUCLEAR REGULATORY COMMISSION	
PRECEPTOR STATEMENT			
Supplement B must be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each.			
1. PROPOSED PHYSICIAN USER'S NAME AND ADDRESS		KEY TO COLUMN C	
FULL NAME Kall M. Masri, D.O.		PERSONAL PARTICIPATION SHOULD CONSIST OF: 1-Supervised examination of patients to determine the suitability for radiological diagnosis and/or treatment and recommendation for prescribed therapy. 2-Participation in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data. 3-Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.	
STREET ADDRESS 6245 Inkster Road			
CITY Garden City	STATE MI		
2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN			
ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheet.) D
	Thyroid scan		
	Thyroid uptake		
	Lung perfusion scan ✓		
	Xenon ventilation study		
	Aerosol ventilation scan		
	Renal flow scan		
	Brain scan		
	Liver/spleen scan		
	Bone scan		
	Gastroesophageal study		
	LeVeen shunt study		
	Cystogram		
	Dacryocystogram		
	Cardiac perfusion scan.		229
Cardiac stress ventriculogram.		229	
Cardiac rest ventriculogram		300	
Gallium scan			

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EXHIBIT 3 (Continued)

PROPOSED PHYSICIAN USER			
PRECEPTOR STATEMENT (Continued)			
2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)			
ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
P-32 (Strahlm)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES		
P-32 (Colloid)	INTRACAVITARY TREATMENT		
I-131	TREATMENT OF THYROID CARCINOMA TREATMENT OF HYPERTHYROIDISM		
Au-198	INTRACAVITARY TREATMENT		
Co-60 or Co-137	INTERSTITIAL TREATMENT INTRACAVITARY TREATMENT		
I-125 or Ir-192	INTERSTITIAL TREATMENT		
Co-60 or Co-137	TELE THERAPY TREATMENT		
Sr-90	TREATMENT OF EYE DISEASE		
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR		
Sr-90/ Ir-113m	GENERATOR		
Tc-99m	REAGENT KITS		
Other			
3. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING LOCATION: Garden City Osteopathic Hospital, 6245 Inkster Road, Garden City, MI 48135 DATES: August 1, 1997 - June 30, 2000 CLOCK HOURS OF EXPERIENCE: 1000 hours			
4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF: a. NAME OF SUPERVISOR E. Papanifakis, D.O., F.A.C.C. b. NAME OF INSTITUTION Garden City Osteopathic Hospital c. MAILING ADDRESS 6245 Inkster Road d. CITY Garden City, MI 48135 e. STATE/ALIA LICENSE NUMBER(S) 21-26391-01		5. PRECEPTOR'S SIGNATURE  7. PRECEPTOR'S NAME (Print type or print) Emmanuel Papanifakis, D.O., F.A.C.C. 8. DATE May 24, 2000	

EXH-7

Millennium Diagnostic Center
Millennium CT/MRI/MRA Imaging

Division of Millennium Medical Group, P.C.
28625 Northwestern Highway, Suite 120-150
Southfield, MI 48034

Phone: (248) 945 - 0000
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FAX COVER SHEET

TO: NRC / materials licensing
FROM: Sharon James Section
DATE: 6-2-10
SUBJECT: license # 21-32035-01

NUMBER OF PAGES 12 INCLUDING COVERPAGE

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