

05 NOV 27 A 9:00

November 21, 1985



Earl G. Wright  
United States Nuclear Regulatory Commission  
Region II, Nuclear Materials Safety Section  
101 Marietta Street, Suite 2900  
Atlanta, GA 30303

Dear Sir:

As the new Director of the Nuclear Medicine Technology Program,  
I have reviewed our NRC license (47-14258-01) and request an  
amendment to Part 12.

Please delete: Arthur Moren, Ph.D., and Mark H. Crosthwaite.

Please add: Marie A. Costanza.

Please note that I am also the new Radiation Safety Officer for  
Wheeling College. Enclosed please find Form 313M.

Sincerely,

A handwritten signature in cursive script that reads 'Marie A. Costanza'.

Marie A. Costanza, B.S., CNMT, RT (ARRT)  
Director  
Nuclear Medicine Technology Program

MAC/lf  
Encl.

License Fee Information  
on Next Page

8604040567 860106  
REQ2 LIC30  
47-14258-01 PDR

Jesuit Education In West Virginia

WHEELING COLLEGE WHEELING, WEST VIRGINIA 26003 (304) 243-2000

Official Copy

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RECEIVED

U.S. N.R.C.  
LIC. FEE MON. BRANCH

50821

(8-78)

# TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER Marie A. Costanza, BS, CNMT, RT (ARRT)		2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE		
3. CERTIFICATION				
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C		
ARRT	Radiologic Technology	11 - 1968		
ARRT	Nuclear Medicine Technology	11 - 1969..		
CNMT	Nuclear Medicine Technology	12 - 1979		
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	Johns Hopkins Hospital Schools of Radiologic Technology & Nuclear Medicine Technology	12 months		
b. RADIATION PROTECTION	Baltimore, MD 9-66 to 8-69 (include a,b,c,d,e)	6 months		
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY		3 months		
d. RADIATION BIOLOGY		6 months		
e. RADIOPHARMACEUTICAL CHEMISTRY		6 months		
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>RECEIVED BY LFMB</p> <p>Date... 12/4/85</p> <p>Log... Dic 2#</p> <p>By... dk</p> <p>Orig. To...</p> <p>Action Compl. 12/5/85</p> </div>				
5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
		see attached sheet		
		<div style="border: 1px solid black; padding: 10px; display: inline-block;"> <p><b>FEE EXEMPT</b></p> <p>170,116(A)</p> </div>		

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE GAINED	DURATION OF EXPERIENCE	TYPE OF USE
MC-99/TC-99M	1.5 Curies	Johns Hopkins Hospital Baltimore, MD Presbyterian University Hosp., Pittsburgh, PA Southwestern Health Ctr. Pittsburgh, PA	9-68 to 5-81	Generator elution
TC-99M	150mCi	JHH - PUH - SWHC	9-68 to 5-85	Diagnostic imaging Radiopharmaceutical preparation
I-131	50uCi	JHH - PUH - SWHC	9-68 to 5-85	Thyroid uptake & imaging
I-131	200mCi	PUH - SWHC	5-71 to 5-85	Thyroid Rx for carcinoma. Whole body imaging for thyroid metastasis
ga-67	5mCi	PUH - SWHC	5-71 to 5-85	Infection & abscess localization Lymphatic imaging for metastasis
I-123	1.5mCi	PUH	5-71 to 8-78	Thyroid uptake & imaging
I-125	25uCi	JHH - PUH	9-68 to 8-78	Plasma labeling
Cr-51	150uCi	JHH - PUH	9-69 to 8-78	RBC volume. Splenic sequestration
In-111	10mCi	JHH	9-69 to 8-70	Placenta imaging
Xe-133	250mCi	PUH	5-71 to 8-78	Generator elution
Xe-133	10mCi	PUH	5-71 to 8-78	Pulmonary ventilation imaging
Sr-85	300uCi	PUH	5-71 to 8-78	Bone imaging
Fl-18	15mCi	PUH	5-71 to 8-75	Bone imaging agent
Co-57	50uCi	JHH - PUH	9-69 to 8-85	Schillings Test - Marking sources
Co-57	350mCi	PUH - SWHC	5-71 to 5-85	Dose calibrator sources

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Cs-137	250mCi	PUH - SWHC	5-71 to 5-85	Dose calibrator sources
Co-58	250mCi	PUH - SWHC	5-71 to 5-85	Schillings
Ba-133	15uCi	PUH - SWH	5-71 to 5-85	Well counter sources
Yb-169	20mCi	PUH	5-71 to 8-78	Cisternography
Hg-198	1500uCi	PUH	5-71 to 1975	Renograms
Au-198	1.5mCi	JHH - PUH	5-71 to 1973	Liver imaging