March 26, 1987

United States Nuclear Regulatory Commission Region III Materials Licensing Branch 799 Roosevelt Glen Ellyn, IL 60137

Gentlemen:

Please amend our by-product materials license 34-13273-01 to allow Bob F. Klingelheber, D.O., to be an authorized user of the following materials:

- Groups I, II, and III
- Zenon-133
- Iodine-131 as sodium iodide for treatment of hyperthyroidism.

Enclosed please find his NRC Form 313M Supplements A and B, and payment of \$120 for the amendment.

If you have any questions concerning this amendment request, please contact our consultant, Jim Tomlinson, at (313) 662-3197.

Sincerely,

James C. Gwyn Administrator

Parkview Hospital

JCG/clw

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(9.81)

## TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER

Bob F. Klingelheber, D.O.

2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE

Ohio

SPECIALTY BOARD A	CATEGORY	MONTH AND YEAR CERTIFIED
American Osteopathic Board of Radiology	Radiology	July 1986

## 4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

		TYPE AND LENGTH OF TRAINING	
FIELD OF TRAINING	LOCATION AND DATE (S) OF TRAINING	LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours)
B. RADIATION PHYSICS AND INSTRUMENTATION	Lect: Wm. Beaumont Hosp. Royal Oak, Mi. 9/83- Lab: Wm. Beaumont Hosp. 10/19/83-10/21/83	100 8/84	16
b. RADIATION PROTECTION	Lect: Wm. Beaumont Hosp. 9/83-8/84 Lab: Wm. Beaumont Hosp. 10/19/83-10/21/83	26	4
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	Lect: Wm. Beaumont Hosp. Royal Oak, Mich. 1/84-6/84	24	
d. RADIATION BIOLOGY	Lect: Wm. Beaumont Hosp. Royal Oak, Mich. 10/83-11/83	20	
e. RADIOPHARMACEUTICAL CHEMISTRY	Lect&Lab: Wm. Beaumont Hos Royal Oak, Mich. Left: 18/23783-11/27/83		15

## 5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Cs-137	250uCi	Botsford Gen Hosp	8/2/82-8/1/85	calibration
Ba-133	250uCi	Botsford Gen Hosp	8/2/82-8/1/85	calibration
Co-57	5mCi	Botsford Gen Hosp	8/2/82-8/2/85	calibration
I- 123	100 uCi	Botsford Gen Hosp	8/2/82-8/1/85	diagnostic
I-125	20 uCi	Botsford Gen Hosp	8/2/82-8/1/85	diagnostic
I-131	100 uCi	Botsford Gen Hosp	8/2/82-8/1/85	diagnostic
Xe-133	10mci	Botsford Gen Hosp	8/2/82-8/1/85	diagnostic
Ga 67	4mCi	Botsford Gen Hosp	8/2/82-8/1/85	diagnostic
T1-201	2mCi	Botsford Gen Hosp	8/2/82-8/1/85	diagnostic

NRC FORM 313M Supplement A In-III 500 UCI Bots Gen Hosp 872/82-8/1/85 diagnosti

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## 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.

FULL NAME  Bob F. Klingelheber, D.O.		SS	PERSONAL PARTICIPATION SHOULD CONSIST OF:  1-Supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation for prescribed dosage.	
STREET ADDRESS 2164 Plum Lea	ıf.		2-Collaboration in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data.	
CITY	STATE	ZIP CODE	3-Adequate period of training to enable physician to manage radio patients and follow patients through diagnosis and/or course of	
Toledo	Ohio	43614	treatment.	

Tole			ABOVE NAMED PHYSICIAN
	Z. CLINICAL TRAINING AN	NUMBER OF	Above
ISOTOPE	CONDITIONS DIAGNOSED OR TREATED	CASES INVOLVING PERSONAL PARTICIPATION C	(Additional information or comments may be submitted in duplicate on separate sheets.)
	DIAGNOSIS OF THYROID FUNCTION	169	
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME	25	
1-131	LIVER FUNCTION STUDIES		
or 1-125	FAT ABSORPTION STUDIES		
	KIDNEY FUNCTION STUDIES	40	
	IN VITROSTUDIES schilling	20	
OTHER	123I Thyroid	269	
1-125	DETECTION OF THROMBOSIS		
1-131	THYROID IMAGING		
P-32	EYE TUMOR LOCALIZATION		
Se-75	PANCREAS IMAGING		
Yb-169	CISTERNOGRAPHY	10	
Хе-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	559	
OTHER	Ga-67 (abscess); T1-201 (ca	rdiac) 30;18	0
	BRAIN IMAGIN'G	223	cerebral flow study 170
	CARDIACIMAGING	72	
Tc-99m	THYROID IMAGING	269	
	SALIVARY GLAND IMAGING	15	
	BLOOD POOL IMAGING	615	
	PLACENTA LOCALIZATION		
	LIVER AND SPLEEN IMAGING	2614	
	LUNGIMAGING	724	DOMESTON NO. 8 3 8 T
	BONE IMAGING	2502	
OTHER	HEPATOBILIARY	749	renal flow 10 imaging 73