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U.S. NUCLEAR REG.
COMMISSION
MAIL SECTION



31 N. SECOND STREET
PHILADELPHIA, PA 19106

December 12, 1979

Mr. Joseph Del Medico
License Management Branch
Division of Fuel Cycle and
Material safety
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

RE: License Number 37-18461-01MD

Dear Sir.

We wish to ammend our materials license to include
Mr. Mark W. Browning as one of the authorized users.
Please find a copy of his professional training and
experience time in handling radioactive materials.

Also enclosed is the \$40.00 fee as required in
Section 170.13 (38) of 10 CFR 170.

RECEIVED BY LFMB	
Date	DEC 20 1979
Log	Dec Rg 16 Amend.
By	Oborn
Orig. To	
Action Compl.	12/20/79

Applicant	12504
Check No.	40(3B)
Amount Fee	Amend
Type of Fee	DEC 20 1979
Date Check Recd.	
Received By	Oborn

Sincerely,

Steven Dessel

Steven Dessel, RPh
Pharmacy Manager

SD/dh
COPIES SENT TO OFF. OF
INSPECTION AND ENFORCEMENT

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PDR FOIA
BARNAD81-301 PDR

02187

Name: Mark Walter Browning

Date: 12-12-79

Training and Experience In The Use of Radiopharmaceuticals:

<u>Type of Training</u>	<u>Where Trained</u>	<u>Duration</u>	<u>On the Job</u>	<u>Formal Course</u>
A. Principles and practices of radiation protection	TU School of Pharmacy *	15 months	yes	yes
	NPI **	8 months	yes	-
B. Radiation monitoring techniques and instruments	TU School of Pharmacy	15 months	yes	yes
	NPI	8 months	yes	-
C. Calculations relative to radioactivity	TU School of Pharmacy	15 months	yes	yes
	NPI	8 months	yes	-
D. Biological Effects of radiation	TU School of Pharmacy	15 months	yes	yes
	NPI	8 months	yes	-

* Temple University School of Pharmacy

** Nuclear Pharmacy Incorporated

Experience With Radiation

Actual Use of Radioisotopes or Equivalent Experience

Isotope	Maximum Amount	Place of Experience	Duration of Experience	Type of Use
99mTcO ₄	3000mCi	TU School of Pharmacy	15 months	Experimental
		NPI	8 months	Clinical
				Commercial
123-I	1mCi	TU School of Pharmacy	5 months	Clinical
		NPI	8 months	Commercial
125-I	1mCi	NPI	8 months	Commercial
67-Ga	120mCi	NPI	8 months	Commercial
133-Xe	1000mCi	NPI	8 months	Commercial
57-Co	250mCi	NPI	8 months	Commercial
111-In	3mCi	NPI	8 months	Commercial
51-Cr	2mCi	NPI	8 months	Commercial
197-Hg	2mCi	NPI	8 months	Commercial
75-Se	1mCi	NPI	8 months	Commercial
201-Tl	50mCi	NPI	8 months	Commercial