

8-2534-10
File

ORDNANCE CORPS
DIAMOND ORDNANCE FUZE LABORATORIES
WASHINGTON 25, D. C.

2 OCT 1962

IN REPLY
REFER TO:
AMKDO-SSB

SUBJECT: Application for Amendment to Byproduct Material License
8-2534-10 (Americium 241)

THRU: The Surgeon General
ATTN: MEDPS-PO
Department of the Army
Washington 25, D. C.

TO: Atomic Energy Commission
Washington 25, D. C.

The following amendment to byproduct license Number 8-2534-10 (Americium 241) is requested. Mr. Gerald P. Hanson is designated as Radiation Protection Officer, replacing Mr. Robert E. McCoskey. Mr. Hanson's training and experience are as follows:

Training

<u>Type of Training</u>	<u>Where Trained</u>	<u>Duration of Training</u>	<u>On the Job</u>	<u>Formal Course</u>
a. Principles	Univ. of Mich.	1 yr	No	Yes
	Argonne Nat'l Lab	3 mos	Yes	No
b. Measurement	Univ. of Mich.	1 yr	No	Yes
	Argonne Nat'l Lab	3 mos	Yes	No
c. Mathematics	Flint Jun. Coll.	2 yrs	No	Yes
	Univ. of Mich.	5 yrs	No	Yes
d. Biological	Univ. of Mich.	1 yr	No	Yes
	Argonne Nat'l Lab	3 mos	Yes	No

Experience

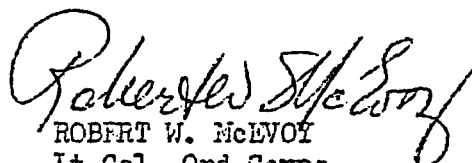
<u>Isotope</u>	<u>Maximum Amount</u>	<u>Where Experience Was Gained</u>	<u>Duration of Experience</u>	<u>Type of Use</u>
Cobalt-60	2,500 c	Univ. of Michigan	4 mos	Lab Project
Cesium-137	100 mc	Univ. of Michigan	1 yr	Instrument Calibration
Iodine-131	40 mc	Univ. of Michigan	4 mos	Field Project
Misc(3-94)	Varicous amts (few micro - several hundred mc)	Argonne Nat'l. Lab	3 mos	On the Job training - instrument calibration waste disposal, decontamination

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In addition, during approximately one and one half years with the Kansas State Board of Health he worked in a supervisory capacity as Supervisor of Radiation Hygiene Services. In this capacity his responsibilities were in the areas of registration of radioactive sources, promulgation of radiation protection regulations, consultation with users of radiation sources and radioactive materials, and co-inspection of licensees with A.E.C. inspectors.



ROBERT W. McEVOY
Lt Col, Ord Corps
Commanding

Item 5. See Item 8.

Item 8. Training of Radiation Protection Officer and Users.

Type of Training	Where Trained	Duration of Training	On the Job	Formal Courses
<u>R. E. McCoskey</u>				
a. Principles	DOFL	5 years	yes	no
b. Measurement	DOFL	5 years	yes	no
c. Mathematics	Geo. Wash. Univ.	5 years	no	yes
d. Biological	DOFL	3 years	yes	no
<u>R. E. McIntyre</u>				
a. Principles	American Univ.	4 months	no	yes
b. Measurement	DOFL	2 years	yes	no
c. Mathematics	Univ. of Missouri	2 years	no	yes
d. Biological	American Univ.	8 months	no	yes
<u>Cita Marie Wright</u>				
a. Principles	Texas Christian Univ.	1 year	no	yes
b. Measurement	Texas Christian Univ.	1 year	no	yes
c. Mathematics	Texas Christian Univ.	4 years	no	yes
d. Biological	NONE			

Item 9. Experience of R.P.O. and Users.

Isotope	Max. Amount	Where Experience was Gained	Duration of Experience	Type of Use
<u>R. E. McCoskey</u>				
Cobalt 60	75 mc	DOFL	3 years	Lab. Field
Cesium-137	15 mc	DOFL	2 years	Lab. Field
Misc (3-83) *	100 mc	Nevada Test Site	1 year	Lab. Field
Misc (3-83) *	20 mc	DOFL/Gen. Atomic	1 year	Laboratory

R. E. McIntyre - NONE

Cita Marie Wright

Am²⁴¹ 50 microcuries DOFL 1 1/2 yrs. Lab.

Misc. (including Co58, Zn65, Hg203, Cr51, In115, S32, etc.) 200 microcuries A Short Course in Activation Analysis - Texas A & M College 2 weeks Lab.

* The maximum amounts of radioactivity and the identification of all isotopes handled are extremely difficult to determine. The amounts can only be given as maximum estimates. Some of the isotopes handled were: Al28, Mn 56, Co60, Cu64, Zn65, W185, and Ta 182.