



ESTABLISHED 1856

Draper Brothers Company, Inc.

CANTON, MASSACHUSETTS 02021 · TELEPHONE (617) 828-0029

May 10, 1984

U. S. Nuclear Regulatory Commission
Region I
Material Program Section No. 2
631 Park Avenue
King of Prussia, PA. 19406

Subject: License Number 20-18489-01

Gentlemen:

I would like to amend License No. 20-18489-01, Item #12
(Licensed material shall be used by:)

Please add name: Wesley E. Hawkins

Training and experience data sheet is enclosed.

Amendment Fee of \$40.00 is enclosed.

Thank you,

R. Wayne Legge

R. Wayne Legge,
Radiation Safety Officer

Enclosures

RWL/ses

RECEIVED BY LFMB	
Date..	5/21/84
Log.	May 15 I
By.....	Brown
Orig. To.....	
Action Compl.	5/21/84

Applicant.....	2109
Check No.....	40-3
Amount, Fee Category.....	Amendment
Type of Fee.....	5/21/84
Date Check Rec'd.....	Brown
Received By.....	

"OFFICIAL RECORD COPY"

ML 10

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8406230164 840612
NMS LIC30
20-18489-01 PDR

MAY 15 1984

TRAINING AND EXPERIENCE OF EACH INDIVIDUAL NAMED IN ITEM 4 (Use supplemental sheets if necessary)

B. TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB (Circle answer)	FORMAL COURSE (Circle answer)
a. Principles and practices of radiation protection	U.S. Army Armored Officer School	6 Mo.	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
b. Radioactivity measurement standardization and monitoring techniques and instruments	U.S. Army Armored Officer School	6 Mo.	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
c. Mathematics and calculations basic to the use and measurement of radioactivity	U.S. Army Armored Officer Sch. ICS (Chem. Engineering)	6 Mo. 2 Yr.	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
d. Biological effects of radiation	*U.S. Army Armored Officer Sch. ICS (Chem. Engineering)	6 Mo. 2 Yr.	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No

9. EXPERIENCE WITH RADIATION (Actual use of radioisotopes or equivalent experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
AM 241	50	Draper Brothers Co., Inc. Canton, MA. 02021	5 Yrs.	Mass Gauging

10. RADIATION DETECTION INSTRUMENTS (Use supplemental sheets if necessary)

TYPE OF INSTRUMENTS (Include make and model number of each)	NUMBER AVAILABLE	RADIATION DETECTED	SENSITIVITY RANGE (mr/hr)	WINDOW THICKNESS (mg/cm ²)	USE (Monitoring, surveying, measuring)
Various Military Types					

11. METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED ABOVE

12. FILM BADGES, DOSIMETERS, AND BIO ASSAY PROCEDURES USED (For film badges, specify method of calibrating and processing, or name of supplier)

Various Military Types

INFORMATION TO BE SUBMITTED ON ADDITIONAL SHEETS IN DUPLICATE

13. FACILITIES AND EQUIPMENT. Describe laboratory facilities and remote handling equipment, storage containers, shielding, fume hoods, etc. Explanatory sketch of facility is attached. (Circle answer) Yes No
14. RADIATION PROTECTION PROGRAM. Describe the radiation protection program including control measures. If application covers sealed sources, submit leak testing procedures where applicable, name, training, and experience of person to perform leak tests, and arrangements for performing initial radiation survey, servicing, maintenance and repair of the source.
15. WASTE DISPOSAL. If a commercial waste disposal service is employed, specify name of company. Otherwise, submit detailed description of methods which will be used for disposing of radioactive wastes and estimates of the type and amount of activity involved.

CERTIFICATE (This item must be completed by applicant)

16. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE APPLICANT NAMED IN ITEM 1, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PART 30, AND THAT ALL INFORMATION CONTAINED HEREIN, INCLUDING ANY SUPPLEMENTS ATTACHED HERETO, IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF

Date May 10, 1984

By: Draper Brothers Company, Inc.
R. Wayne Legge
R. Wayne Legge,
Technical Director
 Title of certifying official

WARNING.— 18 U. S. C., Section 1001; Act of June 25, 1948, 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

DRAPER BROTHERS COMPANY, INC.

28 DRAPER LANE
CANTON, MASS. 02021

No. 01996

DATE May 10, 1984
DEPT. 010

U. S. Nuclear Regulatory Commission
631 Park Ave.
King of Prussia, Pennsylvania 19406

THIS NUMBER AND DEPARTMENT MUST
APPEAR ON ALL PACKAGES AND INVOICES.
RENDER ALL BILLS IN DUPLICATE.

Amendment fee of \$40.00 for adding Wesley E. Hawkins to radioactive by-product
License #20-18489-01

\$40.00

Mr. W. Legge IAB
CHECK ENCLOSED

The vendor agrees to comply with all provisions of Executive order #11246 of September 24, 1965, and of the rules, regulations and relevant orders of the Secretary of Labor.

In accepting this order, the Vendor agrees to assume the defense of any suit in equity or action at law which may be brought against Draper Brothers Company, Inc., in consequence of the use and (or) sale by it of the above article, and further agrees to pay any and all damages, losses, costs or other expenses to which the said Draper Brothers Company, Inc. may be subjected in consequences of the use and (or) sale by it of said articles.

The Vendor agrees to pay all expenses of boxing and packing when necessary.

The Vendee's check will be accepted in payment of the above order without discount for collecting.

In the event of fire, floods, strikes, lockouts, accidents, war or other causes beyond our control interfering with the consumption or the transportation of the goods herein described, deliveries under this order may be suspended during the period required to remove the cause.

Should the delivery of the goods herein ordered require the presence of employees of the Vendor on the premises of the Vendee for the purpose of installing the same or for any other purpose, the Vendor assumes full responsibility for the acts of such employees while on Vendee's premises and agrees to reimburse Vendee for any loss or damage caused by them and to hold Vendee harmless for any loss or damage alleged to have been suffered by them while on said premises.

"The Equal Employment Opportunity Clause in Section 202 of Executive Order 11246, and Executive Order 11375, relative to Equal employment opportunity and the implementing rules and regulations of the Office of Federal Contracts Compliance are incorporated herein by specific reference."

This Company will not in any manner be responsible for goods delivered or for work done on its account unless duly authorized by a formal written order approved by the purchasing agent properly authorizing the delivery of such goods or the performance of such work.

DRAPER BROTHERS COMPANY, INC.

BY Alyce I. Plant
Alyce I. Plant mr

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