



DEPARTMENT OF THE ARMY

UNITED STATES ARMY TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT SUPPORT GROUP  
REDSTONE ARSENAL, ALABAMA 35898-5400

REPLY TO  
ATTENTION OF  
*AMCSF-P/86-0117*  
AMXTM-SR

24 JULY 1986

SUBJECT: Amendment to Nuclear Regulatory Commission Licence No 01-00126-16,  
USATSG, Redstone Arsenal, AL

THRU: Commander  
U.S. Army Materiel Command  
ATTN: *AMCSF-P*  
5001 Eisenhower Avenue  
Alexandria, VA 22333-0001  
*J. Elker 1 Aug 86*

TO: Office of *Materials Licensing*  
~~Inspection and Enforcement~~  
U.S. Nuclear Regulatory Commission  
101 Marietta Street, NW.  
Suite ~~2100~~ 2900  
Atlanta, GA 30303

00 AUG 8 10:50

1. Request that Nuclear Regulatory Commission Licence Number 01-00126-16, U.S. Army TMDE Support Group be amended.
2. The following changes are requested:
  - a. Delete Richard L. Renne as an Alternate Radiation Protection Officer (RPO).
  - b. Add William E. Baber as Alternate RPO. Resume is enclosed.
3. POC is Mr. Jerry Gray, AV 746-5042.

Encl

*Del Loney*  
DELBERT D LONEY  
Chief  
Rad Std and Dev Lab

8608270245 860820  
REQ2 LIC30  
01-00126-16 PDR

FEE EXEMPT

Official Copy

WILLIAM E. BABER, Health Physicist, U.S. Army Test Measurement and Diagnostic Equipment Support Group (USATSG), Redstone Arsenal, Alabama, 35898-5400.

A. EDUCATION:

(1) B.S. - Eastern Kentucky University, Richmond, KY. Major: Mathematics

(2) M.A. - Eastern Kentucky University, Richmond, KY. Guidance and Counseling.

B. PROFESSIONAL EXPERIENCE:

(1) February 1982 - October 1982, U.S. Army Ionizing Radiation Dosimetry Center, Lexington, KY, Worked as Technician in the U.S. Army Film Badge and TLD dosimetry program.

(2) October 1982 - July 1985, Health Physicist, Lexington - Blue Grass Army Depot, Lexington, KY. Served as Radiation Protection Officer. Responsible for development and implementation of the local Radiation Protection Program in accordance with Federal and Army directives.

(3) July 1985 - July 86, Health Physicist, U.S. Army Missile Command, Redstone Arsenal, Alabama. Responsible for assisting in planning, implementing and operating Radiological Safety Program for MICOM and other attached or assigned organizations. Served as Alternate Radiation Protection Officer and Alternate MICOM Laser Safety Officer.

(4) July 86 - Present, Health Physicist, USATSG, Redstone Arsenal, Alabama. Serve as technical assistant to USATSG elements worldwide in matter involving radiation safety. Perform on-site evaluation of radiological operations to insure compliance with Federal, Army and Host Nation regulations.

C. SPECIALIZED TRAINING IN RADIATION PROTECTION METHODS, MEASUREMENTS AND EFFECTS:

(1) U.S. Army Ionizing Radiation Dosimetry Center, Lexington, KY, On-The-Job Training, 1982-83.

(2) Basic Radiological Health, University of Texas Health Science Center, San Antonio, TX, 1 week, 1982.

(3) Radiological Safety, U.S. Army Chemical School, Ft. McClellan, AL, 3 weeks, 1983.

(4) Radiological Safety I, Army Institute for Professional Development, 13 Correspondence hours, 1983.

(5) Radiological Hygiene, Eastern Kentucky University, Richmond, KY, 8 hours 1983.

(6) Industrial Hygiene Aspects of the OSH Act, Field Safety Activity, Charlestown, IN, 1 week, 1983.

(7) Laser and Microwave Workshop, Edgewood Arsenal, Aberdeen Proving Ground, MD, 1 week, 1983

(8) Emergency Planning & Control, Management Corp., Ft Belvoir, VA, 1 week, 1984.

(9) Applied Health Physics, Oak Ridge Associated Universities, Oak Ridge, TN, 5 week, 1984.

(10) Radioactive Materials Transportation Course, Ft Belvoir, VA 1 Week, 1985.

(11) Regulatory Awareness - Radioactive Waste Packaging, Transportation and Disposal Course, Chem-Nuclear Systems, Inc., Columbia, SC, 1 week, 1985.

(12) Health Physics and Radiation Instrumentation Course, Ft Belvoir, VA, 1 week, 1986.

D. EXPERIENCE WITH RADIATION:

(1) <u>Isotope</u>	<u>Amount</u>	<u>Experience</u>	<u>Use</u>
(a) Co 60	130mCi-10Ci	4 yrs	Source exchange, leak testing, shipping, receiving and storage.
(b) Kr 85	5mCi	4 yrs	Shipping, receiving, Storage
(c) Pu 239	1.4uCi-50.21uCi	4 yrs	Leak testing, calibration, Shipping, receiving & Storage.
(d) Sr-Y 90	200mCi	4 yrs	Maintenance, calibration, leak testing, shipping, receiving-storage.
(e) Cs 137	0.01uCi-120Ci	4 yrs	Storage, leak testing
(f) Ra 226	Various	4 yrs	Shipping, receiving, storage.
(g) Th 230,232	Various	4 yrs	Shipping, receiving, storage
(h) Po 210	40mCi	3 yrs	Shipping.
(i) Co 60	150Ci	1 yrs	Leak testing.
(j) Ni 63	15mCi	1 yrs	Leak testing.



(2) Ionizing Radiation Producing Devices

<u>Source Type</u>	<u>mA</u>	<u>Kvp</u>	<u>Duration</u>	<u>Location</u>
(a) X-Ray Diffraction	50	60	1 year	MICOM
(b) Industrial X-ray	1-30	140-320	1 year	MICOM
(c) Betatron	-	25 Mev	1 year	MICOM

(3) Supervision of refurbishment project involving 284 ea. AN/UDM-2 Sr-Y90 calibrators.

(4) Performed M1A1 Co 60 source exchanges in the M3A1 calibrator.