



DEPARTMENT OF THE ARMY

U.S. Army Corps of Engineers
WASHINGTON, D.C. 20314

REPLY TO
ATTENTION OF:

DEZAN/ca/20091

DAEN-ECS-I

5 MAR 84

SUBJECT: Change in RPO, NRC License No. 10-16458-01

U.S. Nuclear Regulatory Commission
Division of Fuel Cycle and Material
Safety and Safeguards
Material Licensing Branch
Washington, DC 20555

84 MAR -7 P2:48

Gentlemen:

Attached letter is forwarded for your information and records.

Sincerely,

JOHN DEZAN, JR.
Industrial Hygienist
Occupational Health Team
Safety & Occupational Health Division
Directorate of Engineering & Construction

8506190021 850531
REG2 LIC30
10-16458-01 PDR

17184

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DEPARTMENT OF THE ARMY

SOUTH ATLANTIC DIVISION, CORPS OF ENGINEERS

510 TITLE BUILDING, 30 PRYOR STREET, S.W.

ATLANTA, GEORGIA 30303

REPLY TO
ATTENTION OF:

SADSO

22 February 1984

SUBJECT: Change in RPO

CDR (DAEN-ECS-I)
WASH DC 20314

1. Reference is made to NRC license No. 10-16458-01.
2. The following changes in RPO's is forwarded for your information.

Thomas Billings - RPO
Gary W. King - Alternate RPO
3. This change will not affect condition twelve of the license but is a change in the license application information.

FOR THE COMMANDER:

Gary W. King
GARY W. KING
Chief, Safety Office

17184



DEPARTMENT OF THE ARMY

U.S. Army Corps of Engineers
WASHINGTON, D.C. 20314

RECEIVED

REPLY TO
ATTENTION OF:

DAEN-SOI

1982 APR 15 AM 9 31
13 April 1982

SUBJECT: Amendment of NRC License #10-16458-01

U.S. NUCLEAR REG
COMMISSION
NMSS MAIL SECTION

US Nuclear Regulatory Commission
Division of Fuel Cycle and Material Safety
and Safeguards
Material Licensing Branch
Washington, DC 20555

Request subject license be amended as follows:

1. Person to be contacted regarding this license (Item 3 on 28 February 1980 application) - Change to Gary W. King.
2. Individual(s) who will use or directly supervise the use of the licensed material (Item 6 on 28 February 1980 application) - delete H. E. Miller.
3. Radiation Protection Officer (Item 7 on 28 February 1980 application) - Change to Gary W. King, Radiation Protection Officer and Thomas Billings, Alternate Radiation Protection Officer. Resumes attached.

Please address any questions or correspondence concerning this request to:

HQDA
DAEN-SOI (Mr. Dezan)
Washington, DC 20314
Telephone: (202) 272-0091

Sincerely,

John Dezan
for LARY R. COOK
Chief, Industrial Health & Hygiene Team
Safety & Occupational Health Office

1 Incl
as

FEE EXEMPT

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3PP

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INSPECTION AND ENFORCEMENT

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RESUME OF TRAINING AND EXPERIENCE

Radiation Protection Officer - Gary W. King

TRAINING

Principles of Radiological Safety - Texas A&M Univ. (160 hours)

Thesis - Design of a Radiological Educational - Texas A&M Univ
Laboratory

EXPERIENCE

Safety engineer assistant to Chairman of the US Army Material Command
Reactor Safety Committee and Chairman of the US Army Nuclear
Weapons Systems Safety Committee. (2 years)

System safety engineer for development of equipment and munitions at
Chemical Systems Laboratory. I was responsible for overall items
design safety to include detectors with radiation resources. I
interfaced with health physics section in our office pertaining
to radiation design and licensing requirements. (2½ years)

Alternate Radiation Protection Officer - Thomas Billings

TRAINING

Nuclear, Biological, Chemical Warfare protection and decontamination
techniques training while on active duty with US Navy.

EXPERIENCE

Monitors film badge program of Laboratory.

Custodian of Radiological test equipment.

Implements and monitors laboratory radiological safety program.

INCL 1-



DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF ENGINEERS
WASHINGTON, D.C. 20314

REPLY TO
ATTENTION OF:

DAEN-SOI

10 March 1980

US Nuclear Regulatory Commission
Division of Fuel Cycle and Material Safety
Material Licensing Branch
Washington, D. C. 20555

RECEIVED
MAR 14 PM 2 44
U.S. NUCLEAR REG
COMMISSION

Gentlemen:

Attached are two (2) copies of NRC Form 312(I) requesting renewal of NRC License No. 10-16458-01, currently held by the South Atlantic Division of the U.S. Army Corps of Engineers.

This license is scheduled to expire on 30 April 1980, therefore your assistance in assuring a new license is received prior to the expiration date would be appreciated.

All correspondence regarding this matter should be directed to:

HQDA
DAEN-SOI
Washington, D. C. 20314

Sincerely,

LARRY R. COOK
Assistant for Industrial Hygiene
Safety Office

1 Incl (2 cys)
as

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INSPECTION AND ENFORCEMENT
~~8/8/88~~
IP

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FORM NRC-313 I
(1-79)
10 CFR 30

U.S. NUCLEAR REGULATORY COMMISSION

1. APPLICATION FOR:
(Check and/or complete as appropriate)

APPLICATION FOR BYPRODUCT MATERIAL LICENSE
INDUSTRIAL

a. NEW LICENSE

b. AMENDMENT TO:
LICENSE NUMBER

c. RENEWAL OF:
LICENSE NUMBER

X 10-16458-01

See attached instructions for details.

Completed applications are filed in duplicate with the Division of Fuel Cycle and Material Safety, Office of Nuclear Material Safety, and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555 or applications may be filed in person at the Commission's office at 1717 H Street, NW, Washington, D. C. or 7915 Eastern Avenue, Silver Spring, Maryland.

2. APPLICANT'S NAME (Institution, firm, person, etc.)

U.S. Army Corps of Engineers
South Atlantic Division - Laboratory

TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION
424-8811 404 2345

3. NAME OF PERSON TO BE CONTACTED REGARDING THIS APPLICATION

Frank J. Kouba

TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION
221-6794 404 -

4. APPLICANT'S MAILING ADDRESS (Include Zip Code)

611 South Cobb Dr.
Marietta, GA 30061

5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USED
(Include Zip Code)

611 South Cobb Dr.
Marietta, GA 30061

(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)

6. INDIVIDUAL(S) WHO WILL USE OR DIRECTLY SUPERVISE THE USE OF LICENSED MATERIAL

(See Items 16 and 17 for required training and experience of each individual named below)

	FULL NAME	TITLE
a.	H. E. Miller	Chemist (See Incl 5)
b.	James F. Nowland	Chemist (See Incl 6)
c.		

7. RADIATION PROTECTION OFFICER

Frank J. Kouba

Attach a resume of person's training and experience as outlined in Items 16 and 17 and describe his responsibilities under Item 15.

See Inclosure #2, 3 & 4

8. LICENSED MATERIAL

L I N E	ELEMENT AND MASS NUMBER	CHEMICAL AND/OR PHYSICAL FORM	NAME OF MANUFACTURER AND MODEL NUMBER (If Sealed Source)	MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTI- VITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME
NO.	A	B	C	D
(1)	Nickel 63	Foil	Tracor, Inc Model 111019	15 MC
(2)				
(3)				
(4)				

DESCRIBE USE OF LICENSED MATERIAL
E

(1) The by-product (Nickel 63) is used and contained within an Electron Capture
(2) Detector. The E C Detector is used for pesticide analysis.

(3)
(4)

9. STORAGE OF SEALED SOURCES

LINE NO.	CONTAINER AND/OR DEVICE IN WHICH EACH SEALED SOURCE WILL BE STORED OR USED. A.	NAME OF MANUFACTURER B.	MODEL NUMBER C.
(1)	Contained in Electron Capture Detector	Tracor Instruments, Inc.	M-T222Q/INH
(2)			
(3)			
(4)			

10. RADIATION DETECTION INSTRUMENTS

LINE NO.	TYPE OF INSTRUMENT A.	MANUFACTURER'S NAME B.	MODEL NUMBER C.	NUMBER AVAILABLE D.	RADIATION DETECTED (alpha, beta, gamma, neutron) E.	SENSITIVITY RANGE (milliroentgens/hour or counts/minute) F.
(1)	Survey Meter	Victoreen	440	1	Gamma	3-300 mr/hr
(2)						
(3)						
(4)						

11. CALIBRATION OF INSTRUMENTS LISTED IN ITEM 10

☐ a. CALIBRATED BY SERVICE COMPANY

NAME, ADDRESS, AND FREQUENCY

Not recently

☐ b. CALIBRATED BY APPLICANT

Attach a separate sheet describing method, frequency and standards used for calibrating instruments.

N/A

12. PERSONNEL MONITORING DEVICES

TYPE (Check and/or complete as appropriate.) A.	SUPPLIER (Service Company) B.	EXCHANGE FREQUENCY C.
<input checked="" type="checkbox"/> (1) FILM BADGE	Blue Grass Army Depot Lexington, KY	<input checked="" type="checkbox"/> MONTHLY
<input type="checkbox"/> (2) THERMOLUMINESCENCE DOSIMETER (TLD)		<input type="checkbox"/> QUARTERLY
<input type="checkbox"/> (3) OTHER (Specify): _____		<input type="checkbox"/> OTHER (Specify): _____

13. FACILITIES AND EQUIPMENT (Check where appropriate and attach annotated sketch(es) and description(s).)

- ☒ a. LABORATORY FACILITIES, PLANT FACILITIES, FUME HOODS (Include filtration, if any), ETC.
- ☐ b. STORAGE FACILITIES, CONTAINERS, SPECIAL SHIELDING (fixed and/or temporary), ETC.
- ☐ c. REMOTE HANDLING TOOLS OR EQUIPMENT, ETC.
- ☐ d. RESPIRATORY PROTECTIVE EQUIPMENT, ETC.

14. WASTE DISPOSAL

a. NAME OF COMMERCIAL WASTE DISPOSAL SERVICE EMPLOYED

AR 755-38

b. IF COMMERCIAL WASTE DISPOSAL SERVICE IS NOT EMPLOYED, SUBMIT A DETAILED DESCRIPTION OF METHODS WHICH WILL BE USED FOR DISPOSING OF RADIOACTIVE WASTES AND ESTIMATES OF THE TYPE AND AMOUNT OF ACTIVITY INVOLVED. IF THE APPLICATION IS FOR SEALED SOURCES AND DEVICES AND THEY WILL BE RETURNED TO THE MANUFACTURER, SO STATE

AR 755-38

INFORMATION REQUIRED FOR ITEMS 15, 16 AND 17

Describe in detail the information required for Items 15, 16 and 17. Begin each item on a separate page and key to the application as follows:

15. **RADIATION PROTECTION PROGRAM.** Describe the radiation protection program as appropriate for the material to be used including the duties and responsibilities of the Radiation Protection Officer, control measures, bioassay procedures *(if needed)*, day-to-day general safety instruction to be followed, etc. If the application is for sealed source's also submit leak testing procedures, or if leak testing will be performed using a leak test kit, specify manufacturer and model number of the leak test kit.
16. **FORMAL TRAINING IN RADIATION SAFETY.** Attach a resume for each individual named in Items 6 and 7. Describe individual's formal training in the following areas where applicable. Include the name of person or institution providing the training, duration of training, when training was received, etc.
 - a. Principles and practices of radiation protection.
 - b. Radioactivity measurement standardization and monitoring techniques and instruments.
 - c. Mathematics and calculations basic to the use and measurement of radioactivity.
 - d. Biological effects of radiation.
17. **EXPERIENCE.** Attach a resume for each individual named in Items 6 and 7. Describe individual's work experience with radiation, including where experience was obtained. Work experience or on-the-job training should be commensurate with the proposed use. Include list of radioisotopes and maximum activity of each used.

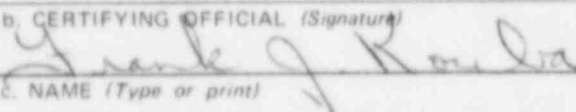
(See Incl 1)

18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in Item 2, 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.

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

a. LICENSE FEE REQUIRED <i>(See Section 170.31, 10 CFR 170)</i> Exempt	b. CERTIFYING OFFICIAL <i>(Signature)</i> 
(1) LICENSE FEE CATEGORY:	c. NAME <i>(Type or print)</i> Frank J. Kouba d. TITLE Division Radiation Protection Officer
(2) LICENSE FEE ENCLOSED: \$	e. DATE 28 February 1980

RADIATION PROTECTION PROGRAM
U.S. ARMY ENGINEER DIVISION
SOUTH ATLANTIC DIVISION LABORATORY

1. The Electron Capture Detector is located in a separate room. Both the detector and room are marked with radioactive caution signs.
2. Monthly radiation leak tests are conducted comparing results with background radiation. This is conducted by using a Victoreen Survey Meter.
3. Semiannual wipe-tests are conducted, and material is sent to the Tracor Instruments, Inc., for evaluation. Results are returned to Laboratory.
4. Film badge program is in effect, and service is provided by the Blue Grass Army Depot, Lexington, KY. Monthly readings are recorded in the individual's personnel folder. Radiation exposure surveillance is conducted by the Radiation Protection Officer.

RADIATION SAFETY TRAINING

FRANK J. KOUBA

DIVISION RADIATION PROTECTION OFFICER

See Inclosure 3 and 4 for radiation training.

Has had actual intermittent experience since 1964 on the implementation of leak detection and radiation safety. Field experience has been accomplished in both the Bureau of Reclamation and the Army Corps of Engineers.

Encl 2 to dtd 2¹

U.S. Army Chemical School

Be it known that

Mr. Frank J. Kouba

having successfully completed the

RADIOLOGICAL SAFETY COURSE CLASS NUMBER THREE

is awarded this

CERTIFICATE OF PROFICIENCY

Subjects completed

	Hours
Fundamental Nuclear Radiation Physics	23
Radiological Instruments and Laboratory Exercises	31
Radiological Safety Regulations and Procedures	14
Medical Aspects of Radiation	2
Total	70

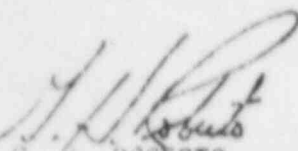
This also certifies that the hours required in compliance with current directives for training the Radiological Protection Officer for Radiac Calibrator TS-784/PD has been met

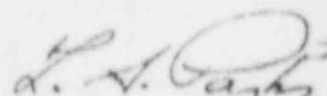
Given at Fort McClellan, Alabama

this

Twenty-fourth day of March

One thousand nine hundred and sixty four


G. H. ROBERTS
Lt Colonel CMC
Secretary


L. A. PARKS
Colonel CMC
Commandant

and to date 2



UNIVERSITY OF SOUTHERN CALIFORNIA

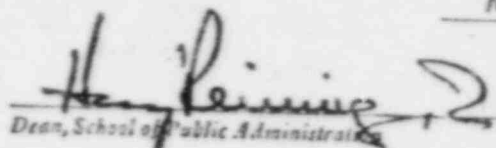
SCHOOL OF PUBLIC ADMINISTRATION
CENTER FOR TRAINING AND CAREER DEVELOPMENT
CIVIL DEFENSE TRAINING PROGRAM

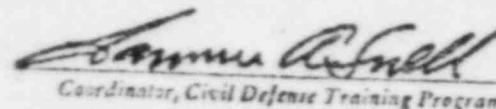
FRANK JOHN KOUBA

is awarded this certificate in recognition of successful completion of the
RADIOLOGICAL MONITORING FOR INSTRUCTORS COURSE

May 10, 1968

Date


Dean, School of Public Administration


Coordinator, Civil Defense Training Program

H. E. MILLER
Chemist - User

<u>Type of Training</u>	<u>Where Trained</u>
Principles and Practices of Radiation Protection	EPA, Athens, GA 1 week, formal
Radio Activity Measurement and Monitoring	Formal training and 5 years on the job
Mathematics and Calculations	On the job - 5 years
Biological Effects	none

April 5th 1962

JAMES F. KNOWLAND

Chemist - User

Has had 6 months experience at the University of Arkansas, Medical School.

The work consisted of experimental analysis using isotopes H_3 and C_{14} in the maximum amount of 0.01 micro curries.

Has had 4 years experience operating subject equipment.

03050

1
attach to clust 2