

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number
05-00046-15

Docket or Reference number
030-00107

Amendment No. 12

Department of the Army
Fitzsimons Army Medical Center
Aurora, Colorado 80045

In accordance with the letter dated December 4, 1985, License Number 05-00046-15 amended as follows:

Condition 24. is amended to read:

24. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Letter dated January 16, 1981
- B. Letter dated April 30, 1981
- C. Letter with enclosures dated February 1, 1983
- D. Letter dated May 16, 1984
- E. Letter dated October 24, 1984
- F. Letter with enclosure dated December 4, 1985

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date **FEB 20 1986**

Original Signed By
Jack E. Whitten

By
Nuclear Materials Safety Section
Region IV
Arlington, Texas 76011

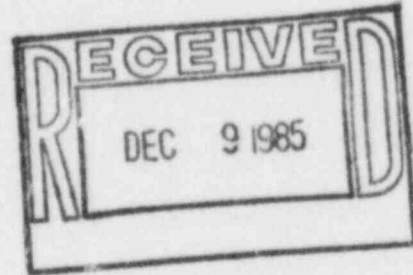
Official Record Copy

8603130274 860220
REG4 LIC30
05-00046-15 PDR

11 ML40

December 4, 1985

Preventive Medicine
Consultants Division



US Nuclear Regulatory Commission
Region IV
Nuclear Materials Safety Section
Parkway Central Plaza Building
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

36-41033

Gentlemen:

Two copies a request to amend BML No. 05-00046-13 and
05-00046-15, Fitzsimons Army Medical Center are enclosed. Both
are due to appointment of a new Radiation Protection Officer.

Sincerely,

Enclosure

Richard W. Field
Colonel, Medical Service Corps
Radiological Hygiene Consultant

FEE EXEMPT
470-116(5)

460880

8603130069



DEPARTMENT OF THE ARMY

FITZSIMONS ARMY MEDICAL CENTER
AURORA, COLORADO 80045

REPLY TO
ATTENTION OF

*Present med
Rad Protect officer*

HSBG-PMH

SUBJECT: Appointment of New Radiation Protection Officer

THRU: Commander
U.S. Army Health Services Command *AC 13/105 R*
ATTN: HSCL-P
~~Fort Sam Houston, TX 78234-6000~~

Department of the Army
Office of the Surgeon General
ATTN: DASG-PSP-E
Washington, D.C. 20310

TO: United States Nuclear Regulatory Commission
Material Licensing Branch
Division of Fuel Cycle and Material Safety
Washington, D.C. 20555

1. References:

- a. NRC BML No. 05-00046-13
- b. NRC BML No. 05-00046-15

2. In anticipation of the imminent reassignment of the present Radiation Protection Officer from Fitzsimons Army Medical Center, CPT Samuel Dunston's duties will be assumed by LTC Michael D. Williams. A copy of LTC Williams' Curriculum Vitae and supporting credentials documents are enclosed for your review. As you will see from the enclosures, LTC Williams is a medical physicist with board certification by the American Board of Radiology, has served as the Radiation Protection Officer at Tripler Army Medical Center for 3 years and has been the alternate Radiation Protection Officer at this institution for the past 5 years. LTC Williams' assumption of duties will be effective on 28 October 1985.

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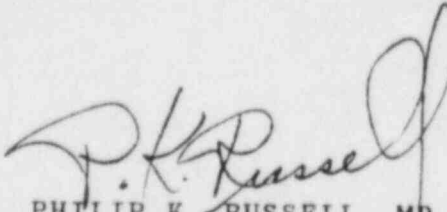
HSHG-PMH

SUBJECT: Appointment of New Radiation Protection Officer

3. Request your concurrence with this change in Radiation Protection Officers at your earliest convenience.

4. For additional information you may contact COL Paul Shetler at FTS 337-8312 or commercial (303) 361-8312.

Enclosures



PHILIP K. RUSSELL, MD
Brigadier General, MC
Commanding

TRAINING AND EXPERIENCE PROPOSED AUTHORIZED USER OR RADIATION SAFETY OFFICER

NAME OF CANDIDATE: **XXXXXXXXXXXXXXXXXXXX**

DATE OF BIRTH: **XXXXXX/XXXX/XXXX**

MICHAEL D. WILLIAMS

3. CERTIFICATION

AMERICAN BOARD OF RADIOLOGY	DATE OF CERTIFICATION	TYPE OF CERTIFICATION
Am. Board of Radiology	June 1984	Therapeutic Radiological Physics

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES (to be completed by institution providing training)

FIELD OF TRAINING	LOCATION WHERE RECEIVED TRAINING	DATE WHEN RECEIVED TRAINING	TYPE AND LENGTH OF TRAINING	
			LECTURES (HOURS)	FORMAL SUPERVISOR'S EVALUATION (HOURS)
RADIATION PHYSICS AND INSTRUMENTATION	Univ of MD	Sep 68-Jun 70	150	39
	Univ of FL	Sep 77-Jun 79		
RADIATION PROTECTION	Univ of MD	Sep 68-Jun 70	100	26
	Univ of FL	Sep 77-Jun 79		
MATHEMATICS PERTAINING TO THE USE, MEASUREMENT, AND HANDLING OF RADIOACTIVE SOURCES	Univ of MD	Sep 68-Jun 70	80	
	Univ of FL	Sep 77-Jun 79		
RADIATION BIOLOGY	Univ of MD	Sep 68-Jun 70	65	26
	Univ of FL	Sep 77-Jun 79		

5. EXPERIENCE WITH RADIOACTIVE MATERIALS (to be completed by institution providing training)

ISOTOPE	ACTIVITY (Ci or mCi)	LOCATION WHERE RECEIVED TRAINING	DATE WHEN RECEIVED TRAINING	TYPE OF USE
Co-60	4500 Ci	Tripler Army Medical Center	3 yrs	Therapy
Co-60	7550 Ci	Fitzsimons Army Medical Center	5 yrs	"
Cs-137	175 mCi	Fitzsimons Army Medical Center	5 yrs	"
Ra-226	100 mg	Tripler Army Medical Center	3 yrs	"
I-131	250 mCi	Tripler Army Medical Center	3 yrs	"
I-125	30 mCi	Fitzsimons Army Medical Center	5 yrs	"
P-32	100 mCi	Fitzsimons Army Medical Center	5 yrs	"

I, the undersigned, certify that the information furnished herein is true and correct to the best of my knowledge and belief, and that I am not aware of any information which would cause the information furnished herein to be false or misleading.

I, the undersigned, certify that the information furnished herein is true and correct to the best of my knowledge and belief, and that I am not aware of any information which would cause the information furnished herein to be false or misleading.

DATE OF PRINTED NAME

DATE

NAME OF POST OFFICE

MAILING ADDRESS

CITY

STATE

ZIP

TELEPHONE NUMBER

460880

DISPOSITION FORM

For use of this form, see AR 249-15, the proponent agency is TAGCENL

REFERENCE OR OFFICE SYMBOL

SUBJECT

HSF-ADJ

Duty Detail

TO SEE DISTRIBUTION

FROM

Cdr, FAMC

DATE 2 April 1981 CMT 1

1. Effective 2 April 1981, the below listed individuals
(Grade or Rank) (Name) SSN
Fitzsimons Army Medical Center, is detailed to the
(Current unit of assignment)

following duty: Radiation Protection Officer-1LT Harry M. Cullings
208-42-5092

Alternate Rad Prot Officer-MAJ Michael D. Williams
263-64-9333

2. Relieved from detail:
Until properly relieved
or reassigned.

DD 1141 Custodian-Carol E. Marshall
GS4 - 522-74-3419

3. Authority: Para 4(d)(1), AR 40-14

4. Special instructions: NA

FOR THE COMMANDER:

George H. Touchard, Jr.
GEORGE H. TOUCHARD, JR.
Major, MSG
Adjutant General

DISTRIBUTION:

1 - Ea Indt

1 - MILPO

1 - HQ File

1-Preventive Medicine

1-Health Physics

FAMC DVPT 8-149.2-ADJ, DEC 78

DA FORM 2496

REPLACES DD FORM 84, WHICH IS OBSOLETE

☆ U. S. GPO: 1977-0-745-124/100

5cp 1985

Curriculum Vitae

NAME: MICHAEL DUNCAN WILLIAMS

HOME ADDRESS: 1414 South Peoria Court
Aurora, CO 80012

OFFICE ADDRESS: Department of Radiology
Therapeutic Radiology
Fitzsimons Army Medical Center
Aurora, CO 80045-5001

BIRTHDATE: 27 December 1941

BIRTHPLACE: Jacksonville, FL

TELEPHONE: HOME: (303) 751-2341
OFFICE: (303) 361-8648

SOCIAL SECURITY NUMBER: 263-64-9333

FAMILY:

WIFE: Barbara

SONS: Matthew, 16 years
Patrick, 12 years

EDUCATION:

UNDERGRADUATE: B.A. (Physics and Mathematics) June 1965
Jacksonville University; Jacksonville, FL

GRADUATE: M.S. (Nuclear Engineering) August 1970
University of Maryland; College Park, MD

GRADUATE: Ph.D. (Radiological Physics) December 1980
University of Florida; Gainesville, FL

SHORT COURSES: External Beam Dosimetry, Principles and Applications,
N.D. Anderson Hospital, July 1975

Advances in Radiation Therapy Treatment Planning, AAPM
Summer School, 1982

MILITARY SERVICE: U.S. Army Direct Commission, 2LT, Medical Service Corps,
March 1966

Army Medical Department Officer Basic Course, Ft Sam
Houston, TX June 1966

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MILITARY SERVICE:
(Cont'd)

Company Commander, Medical Field Service School,
Ft Sam Houston, TX August 1966

Chief, Radiation Dosimetry Section, Walter Reed Army
Institute of Research, Washington, DC, June 1967

Graduate School, University of Maryland, College Park,
MD, September 1968

Staff Officer and Instructor, Office of the Surgeon,
Field Command, Defense Atomic Support Agency, Sandia
Base, Albuquerque, NM, July 1970

Staff Officer and Instructor, Nuclear Medical Research
Detachment, Europe, Landstuhl, Germany, September 1970

Army Medical Department Officer Advanced Course, Ft Sam
Houston, TX January 1974

Medical Physicist and Health Physics Officer, Tripler
Army Medical Center, Hawaii, July 1974

Graduate School, University of Florida, September 1977

Medical Physicist, Fitzsimons Army Medical Center,
Aurora, CO, September 1980 to present

Chief, Therapeutic Radiology Service, Fitzsimons Army
Medical Center, Aurora, CO, September 1983 to present

CURRENT RANK: Lieutenant Colonel

PROFESSIONAL SOCIETIES:

American Association of Physicists in Medicine
Rocky Mountain Chapter of AAPM
American College of Radiology
American Society of Therapeutic Radiology and Oncology
Health Physics Society

HONORARY SOCIETY:

TAU BETA PI Association (Honorary Engineering Scholastic
Society)

PROFESSIONAL CERTIFICATION: American Board of Radiology (Therapeutic Radiological
Physics)

AVOCATIONAL CERTIFICATION: FAA Commercial Pilot's License with Instrument Rating

PUBLICATIONS:

- "Trace Element Analysis of Two B-16 Melanomas by Particle-Induced X-ray Emission Analysis." Doctoral Dissertation, University of Florida, Gainesville, Florida, December 1980.
- W. Maenhaut, L. DeReu, H.A. VanRinsvelt, G.S. Roessler, J.W. Swanson, and M.D. Williams, "Trace Element Analysis of Biological Materials: Complementarity of PIXE and NAA." IEEE Transactions of Nuclear Science, Vol NS-28, No. 2, April 1981.
- G.S. Roessler, J.W. Swanson, W.H. Ellis, M.D. Williams. "Elemental Characterization of Cancer Tissue." Presented at the 27th Annual Meeting of the American Nuclear Society, Bal Harbour, Florida, June 1981.
- J. Swanson, M. Williams, G. Roessler, R. Weiner, W. Ellis, and H. VanRinsvelt. "Elemental Characterization of Metastatic Tumors Using Instrumental Neutron Activation Analysis." Submitted for publication to Physics in Medicine and Biology, August 1982.
- E.D. Hopper, M.D. Williams, J.J. Jackson, P.W. Blue, N. Ghed. "Pharmacologic Attempts at Bone Suppression in ^{99m}Tc Pyrophosphate Myocardial Scanning." Submitted to the Journal of Nuclear Medicine.
- S.F. Smazal, Jr., K.D. Hopper, L.E. Weisman, M.D. Williams. "Comparative Analysis of Ultrasonic Methods of Gestational Age Assessment." Journal of Ultrasound in Medicine, 2:147-150, 1983.
- S.F. Smazal, K.D. Hopper, L.E. Weisman, M.D. Williams. Methods for Dating Pregnancy: Letter to the Editor. Journal of Ultrasound in Medicine, 3:138-142, 1984.
- K.D. Hopper, S.F. Smazal, Jr., L.E. Weisman, M.D. Williams, R.W. Cotterill, and N. Ghed. "An Evaluation of Fetal Class as Assigned by GASA." Submitted to Journal of Ultrasound in Medicine.
- E.D. Hopper, G.H. Komppa, P. Bice, M.D. Williams, R.W. Cotterill, and N. Ghed. "Placental Grading: A Reevaluation of Its Occurrence and Clinical Significance." Journal of Ultrasound in Medicine, 3:261-266, 1984.

PRESENTATIONS:

S.F. Smazal, L.E. Weisman, K.D. Hopper, M.D. Williams.
Growth Adjusted Sonographic Age, Presented by S. Smazal
at the Rocky Mountain Radiological Society Meeting,
August 1981.

S.F. Smazal, L.E. Weisman, K.D. Hopper, M.D. Williams.
Growth Adjusted Sonographic Age, Presented by L. Weisman
at the Aspen Neonatal Conference, July 1981.

The American Board of Radiology

*Organized through the cooperation of the
American College of Radiology, the American Roentgen
the American Radium Society, the Radiological Society,
the Section on Radiology of the American Medical Association
and the American Society of Therapeutic Radiology.
Hereby certifies that*

Michael D. Williams, Ph.D.

*Has pursued an accepted course of graduate
and clinical work, has met certain standards and qualifications
has passed the examinations conducted under the auspices of*

The American Board of Radiology

On this first day of June, 1934

*Thereby demonstrating to the satisfaction of the
that he is qualified to practice the specialty*

Therapeutic Radiological Physics

James I. Wright
President

James H. L. ...

