



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U. S. ARMY ENVIRONMENTAL HYGIENE AGENCY
ABERDEEN PROVING GROUND, MARYLAND 21010-6422



HS HB-MR-H

23 DEC 1987

MEMORANDUM THRU: HQDA(DASG-PSP-E), 5109 Leesburg Pike, Falls Church, VA
22041-3258

FOR: U.S. Nuclear Regulatory Commission, Region I, 631 Park Avenue, King of
Prussia, PA 19406

SUBJECT: Amendment of U.S. Nuclear Regulatory Commission (NRC) Radioactive
Material Licenses (BML) 19-09880-1, SMB-707, and SNM-860

1. Request that U.S. Nuclear Regulatory Commission Licenses BML 19-09880-01,
SMB-707, and SNM-860, be amended to reflect the following changes:

a. LTC(P) Daniel R. Voss - Chairperson, Radiation Control Committee and
Chief of Staff.

b. 1LT Jason D. Dunavant - Radiation Protection Officer.

c. CPT Mark A. Melanson - Alternate Radiation Protection Officer.

d. SFC William P. Menzel - Alternate Radiation Protection Officer.

e. SSG Scott G. Goodison - Alternate Radiation Protection Officer.

2. 1LT Dunavant is the replacement for MAJ Randall J. Hill as the Radiation
Protection Officer.

3. The curricula vitae of the Chairperson, Radiation Control Committee,
Radiation Protection Officer, and Alternate Radiation Protection Officers are
included as the enclosure.

Encl

CHARLES B. KENISON
Colonel, MS
Commanding

CF:

Cdr, HSC, ATTN: HSCL-P (w/encl)

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REG1 LIC70
SNM-0860 DCD

CURRICULUM VITAE

DANIEL R. VOSS
LIEUTENANT COLONEL, U.S. ARMY
MEDICAL SERVICE CORPS

CURRENT POSITION:

Chief of Staff
U.S. Army Environmental Hygiene Agency
Aberdeen Proving Ground, MD

PREVIOUS ASSIGNMENTS:

Aug 84 - Aug 86 - Executive Officer, 30th Medical Group,
Ludwigsburg, Germany
Jul 82 - Aug 84 - Commander, 32d Combat Support Hospital,
Ludwigsburg, Germany
Feb 79 - Jul 82 - Assistant for Occupational Health, Office,
Assistant Secretary of the Army
(Installations, Logistics and Financial
Management), Washington, DC
Jul 75 - Aug 78 - Chief, Field Survey Branch, Industrial
Hygiene Division, U.S. Army Environmental
Hygiene Agency, Aberdeen Proving Ground, MD
Jul 71 - Jan 75 - Chief, Enlisted Subjects Branch, Health
and Environment Division, Academy of Health
Sciences, Ft Sam Houston, TX
Feb 70 - Jul 70 - Administrative Assistant, Chief
Professional Services, Lyster Army Hospital,
Ft Rucker, AL
Aug 69 - Feb 70 - Member of Army Speakers Program, 3d U.S.
Army Information Office, Ft McPherson, GA
Jul 68 - Aug 69 - Aeromedical Evacuation Pilot, 44th Medical
Brigade, RVN

ACADEMIC TRAINING:

Military

Aug 86 - Jun 87 - U.S. Army War College, Carlisle Barracks,
PA
Jun 82 - Senior Officers Legal Orientation
Course, The Judge Advocate General School,
Charlottesville, VA
May 82 - AMEDD Battalion/Brigade Precommand Course,
Ft Sam Houston, TX
Mar 82 - Senior Officers Preventive Logistics
Course, U.S. Army Armor School, Ft Knox, KY
Aug 78 - Jan 79 - Armed Forces Staff College, Norfolk, VA
Jan 75 - Jul 75 - Army Medical Department Officer Advanced
Course, Ft Sam Houston, TX
Sep 67 - Jul 68 - Army Rotary Wing Aviator Training School,
Ft Rucker, AL
Jul 67 - Sep 67 - Army Medical Department Officer Basic
Course, Ft Sam Houston, TX

Encl

Civilian

Jan - Jul 88 - Baylor University; Post Graduate Studies
Jul 70 - Jul 71 - University of Minnesota; Degree - MPH
Jun 67 - Colorado State University; Degree - BS

Post Secondary Schooling

Aug 84 - Present - Personnel Management for Executives, U.S. Army
- Civil Military Cooperation Course (CIMIC),
(taught by Bundeswehr/German Government)
Jan 79 - Jul 82 - U.S. Army Environmental Hygiene Agency
(USAEHA) Occupational Health Workshops,
1980, 1981, and 1982
- Capital Hill Workshop for Executives, 1981
Jul 75 - Jul 78 - USAEHA, Industrial Hygiene Course, 1975, 1976
- USAEHA, Occupational Health Workshop, 1977,
1978
- USAEHA, Laser/Microwave Techniques Workshop,
1978
Jan 75 - Jul 75 - Health Care Administration Courses
Jun 71 - Jan 75 - Massachusetts Institute of Technology, Noise
and Vibration Control Seminar, 1972
- National Institute of Occupational Safety and
Health, Industrial Hygiene Measurements
Workshop, 1973
- St. Mary's University (6 hours), Masters
Program in Business Administration, 1971,
1972

Related Training

1971 - University of Minnesota; Radiation Protection
in Hospitals - 2 credits
1971 - University of Minnesota; Public Health Topics
(included topics on radiation protection) -
3 credits

PROFESSIONAL EXPERIENCE:

1971-1975 Instructor at the U.S. Army Academy of Health
Sciences, training 91S personnel in environmental
health (mainly Industrial Hygiene, but included
teaching classes in x-ray machine surveying and
certification (collimation and facility
construction).
1982-1986 Commanded a Field Hospital Unit that had diagnostic
x-ray units, and ensured their proper operation.

AWARDS/DECORATIONS:

Legion of Merit
Meritorious Service Medal
Bronze Star
Air Medal w/19 OLC
ARCOM w/1 OLC
NDSM
ASR
Presidential Unit Citation
Vietnamese Cross of Gallantry w/palm
Vietnamese Campaign Ribbon - 4 campaigns
Vietnamese Service Medal
Army Aviator
Army General Staff Identification Badge

CERTIFICATIONS/REGISTRATION:

Certified Hazards Control Manager - Master Level
Industrial Hygienist In Training
Registered Sanitarian - III (State of Texas)

RESEARCH/PAPERS:

- Developed TOE for Ambulance Train Use for Medical Evacuation of Casualties in Europe. (1987)
- Developed Standard Methods for Sampling and Analysis of Gases from Welding and Allied Processes. (1983)
- Developed and Tested Sampling Method for Ozone Exposure in Welders. (1982)
- Developed Computerized Industrial Hygiene Hazards Inventory System. (1978)
- Developed and Tested Measurement Methods for Determining Personnel Exposure Levels to Crew Served Weapons from Gun Exhaust Contaminants. (1978)
- Developed Dust Particle Generator for Calibration of Dust Monitoring Industrial Hygiene Equipment. (1977)
- Developed Isocyanate Sampling Method for Foam-in-Place Operations. (1976)
- Tested Personal Dosimeter for Carbon Monoxide Exposure. (1976)
- Developed Study on Hospital Design and Construction Criteria. (1975)
- Development of Baseline Ecological Data on a Five-Year-Old Man-Made Lake. (1974)
- Developed and Tested a Low Cost Injection Molded J-Tube Latrine for Use in Undeveloped Countries. (1974)
- Bacteriological Analysis of Water - Videotape. (1973)
- Stream Surveying Techniques - Videotape. (1973)
- Developed Study on Airport Noise Surveying Techniques. (1971)
- Developed Method for Aquatic Zonation by Remote Sensing. (1971)

MEMBERSHIPS:

American Welding Society
American Industrial Hygiene Association
American Society of Safety Engineers
International Hazard Control Managers
International Commission of Welding
National Environmental Health Association
American Conference of Government Industrial Hygienists
Army Conference of Industrial Hygienists
Uniformed Services Association of Sanitarians
American Public Health Association

PERSONAL INFORMATION:

Birth Date: 24 December 1943
Married: Yes
No. of Children: 3
Height: 68"
Weight: 178 lbs

CURRICULUM VITAE
FOR
1LT JASON D. DUNAVANT

Address.

Home: 803 Almond Ct, Apt A, Bel Air, MD 21014

Work: US Army Environmental Hygiene Agency, Aberdeen
Proving Ground, MD 21010-5422

Phone.

Home: (301) 836-9287

Work: (301) 671-3502

Place of Birth: Plainview, TX

Civilian Education and Professional Development

Plainview High School, Plainview, TX

Texas Atomic Energy Science Symposium, University of Texas, Austin, 1981,
36 hours of formal training.

University of Houston, University Park, Houston, TX
B.S. - Physics, 1985.

Basic Radiological Health Physics Short Course. University of Lowell,
1-6 June 1986, 30 Hrs. of formal training.

Indoor Radon Conference. Susquehanna Valley Health Physics Society,
Harrisburg, PA 10 April 1987, 3 Hrs. of formal training.

Health Physics Convention. Salt Lake City, 6-9 June 1987.

Military Education

AMEDD Officer Basic Course, Ft. Sam Houston, TX 1986

Medical X-Ray Survey Techniques, AHS, Ft Sam Houston, TX May 1986,
80 Hrs. of formal training

Amedd Physics in Military Medicine Conference, Aberdeen Proving Grounds,
MD, 20-24 October 1986,

On-The-Job-Training

Use of J.L. Sheppard Calibration Range using 130 Curie and
130 milliCurie Cesium source, 1 hour

Use of Pu-Be Neutron source, 1 hour

Clean up of radioactive spills, 4 hours

Calibration of radiation detection instruments, 4 hours

Experience

Laboratory Assistant - Condensed Matter Laboratory, Department of

Physics, University of Houston, Houston, TX 1984-1985.

Nuclear Medical Science Officer - USAEHA, Aberdeen Proving Grounds,
MD Jan 1986-present

Work Experience with Radioactive Isotopes

<u>Isotope</u>	<u>Max. Amount</u>	<u>Where Experience Gained</u>	<u>Duration of Experience</u>	<u>Type of Use</u>
Am-241	5 Ci	USAEHA	14 Months	Calibration Source
C-14	200 uCi	USAEHA	14 Months	Check Source
Ba-133	50 uCi	USAEHA	14 Months	Check Source
Co-57	1 uCi	USAEHA	14 Months	Check Source
Co-60	10 mCi	USAEHA	14 Months	Check/Calibration Source
Cs-137	1 mCi	USAEHA	14 Months	Check Source
Cs-137	130 Ci	USAEHA	14 Months	Calibration/Irradiation Source
H-3	300 Ci	USAEHA	2 Months	Procurement Testing
Mn-54	1 uCi	USAEHA	14 Months	Check Source
Na-22	2 uCi	USAEHA	14 Months	Check Source
Ni-63	15 mCi	USAEHA	14 Months	Test Source
Pb-147	1 mCi	USAEHA	14 Months	Check Source
Po-210	1 uCi	USAEHA	14 Months	Check Source
Pu-239	3 Ci	USAEHA	14 Months	Neutron Generator
Ra-226	3 mCi	USAEHA	14 Months	Check/Irradiation Source
Sr-90	1 mCi	USAEHA	14 Months	Irradiation Source
Tc-99m	10 uCi	USAEHA	14 Months	Check Source
Th-230	10 uCi	USAEHA	14 Months	Lens Testing
U-235	1 uCi	USAEHA	14 Months	Check Source
Zn-65	1 uCi	USAEHA	14 Months	Check Source

Professional Organizations.

Health Physics Society

CURRICULUM VITAE OF
MARK ALLEN MELANSON

Personal Data:

Home Address: 107 Chell Road, Joppa, MD 20158
SSN: 011-58-5382
Citizenship: USA
Marital Status: Married

Education:

High School: Peabody Veterans Memorial High School
Peabody, MA (Sep 75 - Jun 79)
College: Dickinson College, Carlisle, PA
B.S. Nuclear Physics, Mathematics
(Sep 79 - May 83)
Internship: Hershey Medical Center, Hershey, PA
Medical Health Physics (Jun - Dec 81)
Internship: Bureau of Radiation Protection
Department of Environmental Resources
Harrisburg, PA
Nuclear Waste Management/Regulatory
Health Physics (Nov 82 - May 83)

Military Education:

AMEDD Officer Basic Course
Academy of Health Sciences
Fort Sam Houston, TX (Jul - Sep 83)
Medical X-Ray Survey Techniques Course
Academy of Health Sciences
Fort Sam Houston, TX (May 84)
Medical Effects of Nuclear Weapons
AFRRI (Nov 84)
Assistant Course Coordinator
91X Health Physics Specialist Course
Academy of Health Sciences
Fort Sam Houston, TX (May - Jul 83)

Military Experience:

Radiation Protection Officer
Landstuhl Army Regional Medical Center
(Oct 83 - Nov 86)

Nuclear Medical Science Officer
Staff Health Physicist
USAEHA

<u>TYPE OF TRAINING</u>	<u>WHEN WHERE</u>	<u>DURATION</u>	<u>OJT</u>	<u>FORMAL</u>
a. Principles and Practices of Radiation Protection	Dickinson College	2 yrs	Yes	Yes
	Fall 1981			
	Hershey Medical Center, Fall 1981	6 mos	Yes	Yes
	Landstuhl Army Regional Medical Center (83-86)	3 yrs	Yes	No
b. Radioactivity Measurements and Monitoring Techniques and Instruments	Dickinson College	2 yrs	Yes	Yes
	Spring 1982			
	HMC, Fall 1981	6 mos	Yes	Yes
	Bureau of Rad Health Dept of Env Resources, PA, Spring 1983	6 mos	Yes	Yes
	LARMC (83-86)	3 yrs	Yes	No
c. Mathematics and Calculations Basic to Use and Measuring of Radioactivity	Dickinson College	2 yrs	Yes	Yes
	Spring 1982			
	HMC, Fall 1981	6 mos	Yes	Yes
	BRH, DER, Spring 1983	6 mos	Yes	Yes
	LARMC (83-86)	3 yrs	Yes	No
d. Biological Effects of Radiation	Dickinson College	2 yrs	Yes	Yes
	Spring 1982			
	HMC, Fall 1981	6 mos	Yes	Yes
	BHR, DEH, Spring 1983	6 mos	Yes	Yes
	LARMC (83-86)	3 yrs	Yes	No

EXPERIENCE WITH RADIATION

<u>ISOTOPE</u>	<u>MAXIMUM AMOUNT</u>	<u>WHERE/WHEN</u>	<u>DURATION</u>	<u>USE</u>
H-3	15 mCi	HMC Fall 81	2 mos	Research
P-32	50 mCi	HMC Fall 81	1 mo	Research
Cr-51	40 mCi	LARMC	3 yrs	Nuclear Med Studies
Co-57	2 mCi	LARMC	3 yrs	Check Sources
Co-58	1 mCi	LARMC	3 yrs	Equipment Calibration
Co-60	30 mCi	LARMC	3 yrs	Dose Calibration Source
Ga-67	20 mCi	LARMC	3 yrs	Nuc Med Operations
Sr-85	80 mCi	HMC	1 yr	Research
Mo-99/TC 99m	1.5 Ci	LARMC	3 yrs	Nuc Med Operations
In-111	20 mCi	LARMC	3 yrs	Nuc Med Operations
I-125	3 mCi	HMC	3 yrs	Nuc Med Operations
I-131	500 mCi	LARMC	3 yrs	Nuc Med Operations
Cs-137	3 mCi	LARMC	3 yrs	Nuc Med Operations
Tl-201	30 mCi	LARMC	3 yrs	Nuc Med Operations
Pu-Be	30 mCi	Dickinson College	4 yrs	Nuc Physics Lab Operations

CURRICULUM VITAE
WILLIAM P. MENZEL
SFC, USA
HEALTH PHYSICS TECHNICIAN

HOME ADDRESS: 804 Lynn Lee Drive, Aberdeen MD 21001

PERMANENT ADDRESS: 2319 S. Juneau, Seattle WA 98108

DATE OF BIRTH: 10 March 1955

PLACE OF BIRTH: Seattle, Washington

CIVILIAN EDUCATION:

Eberline Instruments Corp	Health Physics Instruments and Air Monitors Course	1987
University of Maryland European Division Heidelberg, FRG	Associate of Arts	1979
Bell & Howell	Home Electronics Course	1978

MILITARY EDUCATION:

X-ray Survey Techniques Course Ft. Sam Houston, TX	2 weeks	1985
Health Physics Radiation Protection Course Ft. Belvoir, VA	2 weeks	1985
Radioactive Waste Disposal Course Ft. Belvoir, VA	1 week	1985
Nuclear Weapons Hazards Course Kirtland AFB, NM	1 week	1984
Medical Effects of Nuclear Weapons Bethesda, MD	1 week	1984
Advanced NCO Course Ft. Belvoir, VA	14 weeks	1983
Prime Power Production-Instrumentation Specialty (52ES4) Ft. Belvoir, VA	1 year	1981
Avionics Repair (35L)	Correspondence	
Primary Leadership Course Bad Toelz, FRG	4 weeks	1978

MILITARY EDUCATION (CONT.):

Nuclear Weapons Electronics Spec (35F) Redstone Arsenal, AL	6 months	1974
Basic Training Ft. Ord, CA	8 weeks	1974

WORK EXPERIENCE:

Health Physics Technician, Alternate Radiation Protection Officer USAEHA, APG, MD 21010	1984-Present
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Senior Reactor Operator Co ⁶⁰ Source Operator Theratron Operator AFRRI, NMC-NCR, Bethesda, MD	1982-1984
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NCOIC Calibration Section ARRCOM Det, Picatinny Arsenal, Dover, NJ	1979-1980
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NCOIC Calibration Section 64th Ord Co, APO NY	1974-1979
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EXPERIENCE USING IONIZING RADIATION:

Research Reactor, 2500 MW Pulsing/1MW Steady State,* TRIGA	3 Ci
Plutonium-Beryllium, Neutron Source	100,000 Ci
Cobalt-60 Source	3,000 Ci
Cobalt-60 Theratron-80 Source	
Irradiated Experiments with Atomic #3-83	1 Ci
Produced Krypton-85	1 Ci
Produced Ar-41 for calibration purposes	130 Ci
Cesium 137 Source	

PROFESSIONAL SOCIETIES:

Member Health Physics Society

CURRICULUM VITAE
SCOTT G. GOODISON
SSG, USA
HEALTH PHYSICS TECHNICIAN

Home Address: 8901 Talc Drive #1C, Baltimore, MD 21237
Home of Record: 139 Scott Avenue, Syracuse, NY 13219
Date of Birth: 11 August 1963

CIVILIAN EDUCATION

West Genesee Senior High School, Syracuse, New York

MILITARY EDUCATION

1. Basic Training Ft Dix, NJ	8 Weeks	1981
2. Preventive Medicine Specialist Course Ft Sam Houston, TX	16 Weeks	1982
3. Medical X-Ray Survey Techniques Course Ft Sam Houston, TX	2 Weeks	1983
4. Nuclear Weapons Hazards Course, Kirtland AFB, NM	1 Week	1983
5. Radiation Protection Officers Medical/Dental, Heidelberg FRG	1 Week	1984
6. Local Radiation Protection Officers Course, Landstuhl FRG	1 Week	1984
7. Health Physics Specialist Course, Ft Sam Houston, TX	45 Weeks	1985
8. AMEDD Physics in Military Medicine Course	1 Week	1986
9. Radioactive Waste Management Course, Chemical Nuclear Columbia, SC	1 Week	1987

WORK EXPERIENCE

1. Health Physics Specialist
Health Physics Division
US Army Environmental Hygiene Agency
Edgewood, MD 21010

Duties include being in charge of Dosimetry for USAEHA. Perform radiation protection surveys and evaluations of Army, DLA, and DoD installations and activities. Serves as alternate radiation protection officer, which includes area surveys, radioactive waste management, and management of incoming and outgoing radioactive material.

2. Health Physics Technician
Brooke Army Medical Center
Ft Sam Houston, TX

As a Health Physics Technician, my duties included the evaluation of potential radiation hazards and the development of techniques to minimize personnel exposure. Other duties included area surveys swipe tests of sealed and unsealed sources, radioactive waste management, quality control and calibration of counting equipment, x-ray surveys and personnel dosimetry.

3. Preventive Medicine Specialist
Radiological Hygiene Branch
10th Medical Laboratory, Landstuhl FRG

Duties included being an x-ray survey technician for radiation protection surveys, x-ray compliance surveys and writing subsequent reports. Other duties included being the equipment manager and member of the USAEUR radiological emergency response team. Extra duties included custodian of dosimetry records for the 10th Med Lab and Air Sampler Calibration for USAEUR.

(FOR LFMS USE)
INFORMATION FROM LMS

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: PROGRAM CODE: 22150  
: STATUS CODE: 0  
: FEE CATEGORY: EX 1K  
: EXP. DATE: 19890430  
: FEE COMMENTS: -----  
: .....
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A. REGION

2. FEE ATTACHED
AMOUNT: _____
CHECK NO.: _____

- SIGNED _____
DATE 1/27/88

3. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED /_/_/

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT -----
RENEWAL -----
LICENSE -----

- SIGNED _____
DATE _____