



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064

May 18, 1995

Department of the Army
ATTN: Arlene J. Zaloznik
Colonel, Medical Corps
Acting Commander
Fitzsimons Army Medical Center
HSHG-RP
Aurora, Colorado 80045-5001

SUBJECT: LICENSE AMENDMENT

Please find enclosed License No. 05-00046-13. You should review this license carefully and be sure that you understand all conditions. If you have any questions, you may contact the reviewer who signed your license at 817-860-8143.

Please be advised that you must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address (no fee required if the location of radioactive material remains the same).
5. Request and obtain written NRC consent before transferring your license or any right thereunder, either voluntarily or involuntarily, directly or indirectly, through transfer of control of your license to any person or entity. A transfer of control of your license includes not only a total change of ownership, but also a change in the controlling interest in your company whether it is a corporation, partnership, or other entity. In addition, appropriate license amendments must be requested and obtained for any other planned changes in your facility or program that are contrary to your license or contrary to representations made in your license application, as well as supplemental correspondence thereto, which are incorporated into your license. A license fee may be charged for the amendments if you are not in a fee-exempt category.

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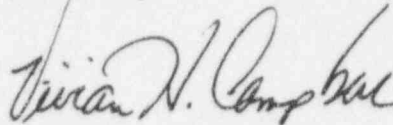
6. Maintain in a single document decommissioning records that have been certified for completeness and accuracy listing all the following items applicable to the license:
- Onsite areas designated or formerly designated as restricted areas as defined in 10 CFR 20.3(a)(14) or 20.1003.
 - Onsite areas, other than restricted areas, where radioactive materials in quantities greater than amounts listed in Appendix C to 10 CFR 20.1001-20.2401 have been used, possessed, or stored.
 - Onsite areas, other than restricted areas, where spills or other unusual occurrences involving the spread of contamination in and around the facility, equipment, or site have occurred that required reporting pursuant to 10 CFR 30.50(b)(1) or (b)(4), including areas where subsequent cleanup procedures have removed the contamination.
 - Specific locations and radionuclide contents of previous and current burial areas within the site, excluding radioactive material with half-lives of 10 days or less, depleted uranium used only for shielding or as penetrators in unused munitions, or sealed sources authorized for use at temporary job sites.
 - Location and description of all contaminated equipment involved in licensed operations that is to remain onsite after license termination.
7. Submit a complete renewal application with proper fee, or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
8. Request termination of your license if you plan to permanently discontinue activities involving radioactive material.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Action, 10 CFR Part 2, Appendix C. Since serious consequences to employees and the

public can result from failure to comply with NRC requirements. prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which the NRC expects of its licensees.

Thank you for your cooperation.

Sincerely,

A handwritten signature in cursive script, reading "Vivian H. Campbell".

Vivian H. Campbell
Senior Health Physicist
Nuclear Materials Licensing Branch

Docket: 030-01233
License: 05-00046-13
Control: 465639

Enclosures: As stated

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p>Licensee</p> <p>1. Department of the Army</p> <p>2. Fitzsimons Army Medical Center ATTN: HSHG-RP Aurora, Colorado 80045-5001</p>		<p>In accordance with letter dated May 10, 1995</p> <p>3. License number 05-00046-13 is amended in its entirety to read as follows:</p>																			
		<p>4. Expiration date December 31, 1990</p>																			
		<p>5. Docket or Reference No 030-01233</p>																			
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material with atomic numbers 1 through 83</p> <p>B. Any byproduct material with atomic numbers 1 through 96</p> <p>C. Uranium, Natural or Depleted</p>	<p>7. Chemical and/or physical form</p> <p>A. Any except sealed sources</p> <p>B. Sealed sources</p> <p>C. Shielding material</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Not to exceed 500 millicuries per radionuclide except:</p> <table> <tr><td>H-3</td><td>-</td><td>5 curies</td></tr> <tr><td>Mo-99</td><td>-</td><td>10 curies</td></tr> <tr><td>Tc-99m</td><td>-</td><td>10 curies</td></tr> <tr><td>I-125</td><td>-</td><td>1 curie</td></tr> <tr><td>I-131</td><td>-</td><td>2 curies</td></tr> <tr><td>Xe-133</td><td>-</td><td>2 curies</td></tr> </table> <p>B. Not to exceed 2 curies per source</p> <p>C. Not to exceed 999 kilograms</p>		H-3	-	5 curies	Mo-99	-	10 curies	Tc-99m	-	10 curies	I-125	-	1 curie	I-131	-	2 curies	Xe-133	-	2 curies
H-3	-	5 curies																			
Mo-99	-	10 curies																			
Tc-99m	-	10 curies																			
I-125	-	1 curie																			
I-131	-	2 curies																			
Xe-133	-	2 curies																			
<p>9. Authorized use:</p> <p>A. and B. Medical research, diagnosis, and therapy. <u>In vitro</u> studies. Studies in laboratory animals.</p> <p>C. Shielding in Molybdenum-99/Technetium-99m generators.</p>																					

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OFFICIAL RECORD COPY

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

05-00046-13

Docket or Reference number

030-01233

Amendment No. 55

CONDITIONS

10. Licensed material shall be used only at Fitzsimons Army Medical Center, 12101 East Colfax Avenue, Aurora, Colorado.
11. A. Licensed material shall be used by, or under the supervision of, individuals designated by the FAMC Radiation Control Committee.
B. The Radiation Safety Officer for this license is MAJ Albert T. Lambert.
12. A. (1) The sources specified in Item 7.B. shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.
(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.
C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Drive, Suite 400, Arlington, Texas 76011, ATTN: Director, Division of Radiation Safety and Safeguards. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Sealed sources containing licensed material shall not be opened.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

05-00046-13

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030-01233

Amendment No. 55

14. A. Detector cells containing titanium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents foil temperatures from exceeding 225 degrees Centigrade.
- B. Detector cells containing scandium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents foil temperatures from exceeding 325 degrees Centigrade.
15. Patients containing cobalt-60, cesium-137, or iridium-192 implants shall remain hospitalized until a source count and surveys made with an appropriate radiation detection instrument indicate that all implants have been removed. The results of these surveys shall be recorded and maintained for inspection by the Commission for 5 years from the time the implants are removed.
16. Patients containing iodine-131 for the treatment of thyroid carcinoma (or patients containing therapeutic quantities of gold-198) shall remain hospitalized until the residual activity is 30 millicuries or less.
17. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:
 - A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.
 - B. Before disposal as normal waste, radioactive waste shall be surveyed to determine that its radioactivity cannot be distinguished from background. All radiation labels will be removed or obliterated.
 - C. Generator columns shall be segregated so that they may be monitored separately to ensure decay to background levels prior to disposal.
18. The licensee shall maintain records of information important to safe and effective decommissioning at Department of the Army, Fitzsimons Army Medical Center, Aurora, Colorado, per the provision of 10 CFR 30.35(g) until this license is terminated by the Commission.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

05-00046-13

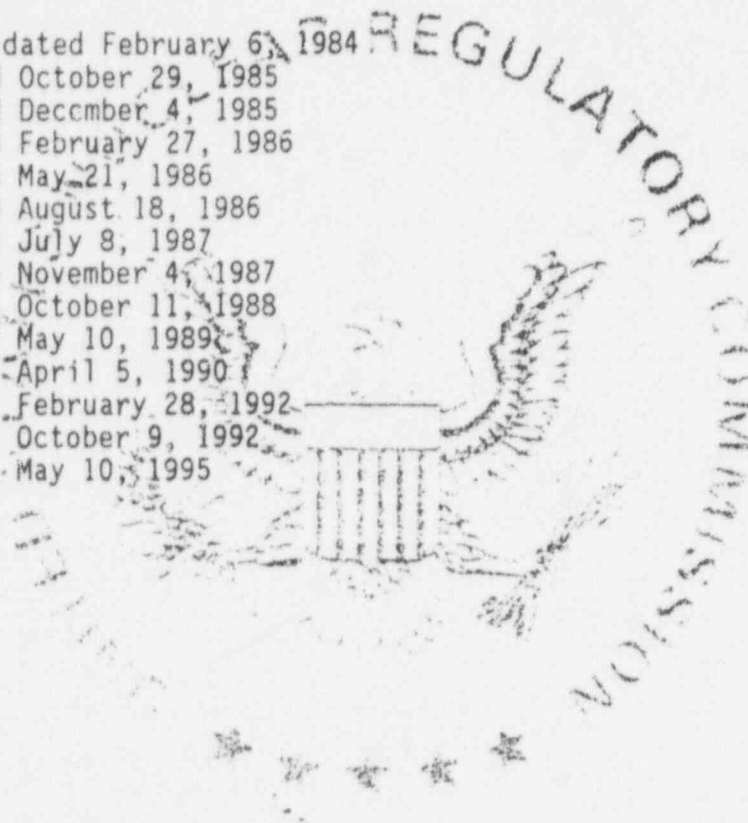
Docket or Reference number

030-01233

Amendment No. 55

19. 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. Application dated February 6, 1984
- B. Letter dated October 29, 1985
- C. Letter dated December 4, 1985
- D. Letter dated February 27, 1986
- E. Letter dated May 21, 1986
- F. Letter dated August 18, 1986
- G. Letter dated July 8, 1987
- H. Letter dated November 4, 1987
- I. Letter dated October 11, 1988
- J. Letter dated May 10, 1989
- K. Letter dated April 5, 1990
- L. Letter dated February 28, 1992
- M. Letter dated October 9, 1992
- N. Letter dated May 10, 1995



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAY 18 1995

By Original Signed By
Vivian H. Campbell

Nuclear Materials Licensing Section
Region IV
Arlington, Texas 76011

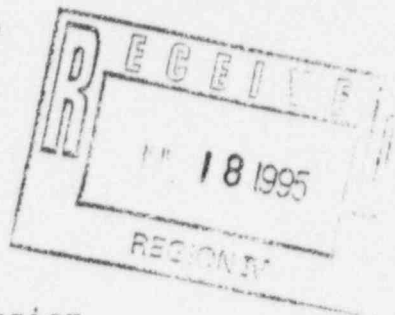


DEPARTMENT OF THE ARMY
FITZSIMONS ARMY MEDICAL CENTER
AURORA, COLORADO 80045-5001



REPLY TO
ATTENTION OF

July 5, 1995



License No.: 05-00046-13
Docket No.: 030-01233
Control No.: 463369

Ms. Jacqueline Burks
United States Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064

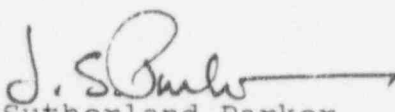
Dear Ms. Campbell:

We are resubmitting Captain Annette Boatwright credentials as requested in your letter, U.S. Nuclear Regulatory Commission, May 4, 1995, subject as above and telephone conversation between Captain Boatwright, FAMC, and Jacqueline Burks, U.S. NRC, 14 June 1995, subject as above.

Captain Boatwright meets the experience criteria and is competent to respond effectively to the radiation safety needs of FAMC. Characteristics are addressed as outlined in Appendix A of draft regulatory guide, "Qualifications for the Radiation Safety Officer in a Large-Scale Non-Fuel-Cycle Radionuclide Program," April 1982, as they pertain to Captain Boatwright (encl 1).

If decommissioning procedures for FAMC becomes effective in fiscal year 1996, we ask that the NRC grant FAMC a specific license before the process begins.

Please feel free to contact me or Captain Boatwright with any question.


J. Sutherland Parker
Brigadier General, U.S. Army
Commanding

Enclosure

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Qualifications for the Radiation Safety Officer in a Large-Scale Non-Fuel-Cycle Radionuclide Program," April 1982, as they pertain to Captain Boatwright.

1. CPT Boatwright has demonstrated her ability to communicate orally and in writing. She served as an instructor at U.S. Army Medical Center and School (U.S. AMEDDC&S), Fort Sam Houston, TX for two years. She co-wrote an article, titled, "U.S. Army Health Physics Specialist Training," for the Health Physics Society Midyear Review Seminar, February 28, 1995 - March 4, 1995. She wrote and presented a lecture on risk associated with fluoroscopic examinations to over 300 radiologic technicians in the San Antonio, TX area in May 1995.
2. She received training in several radiation courses: (1) Principles of Preventive Military Medicine Course, duration: 12 weeks. Four weeks were dedicated to health physics practices and laboratory exercises. (2) Low Level Radioactive Waste Management Course, duration: 1 week. (3) Basic Radiological Health, duration: 1 week. (4) Radiation Safety Officer's Course, duration: 1 week. (5) Radiological Safety Course, duration: 3 weeks.
3. Knowledge of current standards, guides, and reports is verified through her membership in several organizations, such as the American Association of Physicists in Medicine (1991) and the American Health Physics Society (1987). She personally receives current copies of NCRPs, ANSI Standards and routinely receives copies of ICRU News. These references have been used to stay abreast of current events and rules and regulations governing radiation safety practices. These references were also used to inform students at the U.S. AMEDDC&S of current standards as they relate to good radiation safety practices. These references along with the Comply, RBD and JCAHO software programs were used in obtaining and calculating shielding and personnel dose results. A minimum of 3 hours per week is spent on reading new rules and regulations and to remain familiar with current rules and regulations. Copies of ICRP and other regulations pertaining to radiation safety practices are maintained in the Radiation Protection Office.
4. Knowledge of applicable NRC regulations, regulatory guides, and NUREG-series report are acknowledged by attendance in several courses taken each year.
- 5,7. The type of instruments used at several Army Medical Treatment Facilities (MTF) are identical to the equipment used at FAMC. CPT Boatwright inspected Army MTFs radiation safety programs, which included but not limited to ensuring the facilities were operating the equipment efficiently and correctly. I worked three years at Fort Sill Army Community Hospital, BML No. 35-1020201; two and a half years at The Center for Health Promotion and Preventive Medicine, BML No. 19-09880-01 and AMEDD Center and School, Academic License No.42-01868-04.

CPT Boatwright has operated instruments and equipment such as, the ludlum spectrometer, liquid scintillation counter, eberline survey meters, eberline mini-scaler, dose calibrators, multi-channel analyzer, canberra series 10 plus, NARDA (used to survey microwave oven output) and radiographic system diagnostic survey equipment (use with Computer Tomography, mammography, general purpose units). U.S. Army radiation survey equipment included, AN PDR 27, IM-147, IM 174, VDR-2, Chemical Agent Monitor (CAM) and personnel dosimeters (DT-236, IM-9, IM-93). Army equipment can be used for aerial and ground survey.

6. Knowledge and ability sufficient to perform calibrations of instruments were demonstrated when instrument calibration were required in the principles of preventive medicine course. Dose calibrator checks were also performed. Identifying unknown sources included the compton edge, backscatter and photopeaks associated with radioactive sources. Equipment used were portable Canberra Series 10 Plus, multichannel analyzer with a NaI crystal, display terminal and well counter.

8. CPT Boatwright performed shielding evaluation studies for several Army Medical Treatment Facilities (MTF) in the continental United States and overseas. Shielding evaluations were also performed as part of the Radiological Safety Course held at Fort McClellan, Alabama and the Principles of Military Preventive Medicine (health physics track) at Fort Sam Houston, Texas.

9,10,11. She performed over 30 hours calculating radioactive decay, build-up secular and transient equilibrium as part of the (health physics track) at Fort Sam Houston, Texas and Radiological Safety Course. Calculated internal and external dose for Army MTFs, and assisted with internal dose assessment/measurements involving military and civilian personnel exposed to tritium. She also provided training to military personnel on dose calculation and entrance skin exposures (ESE) as required by JCAHO.

12. She instructed military and civilian personnel on radiation protection standards relating to nuclear, biological and chemical warfare to include radiation protection programs for Army MTFs.

13,14. Timed served at the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) as Nuclear Medical Science Officer illustrate my knowledge to recognize and anticipate existing and potential radiation safety problems and to take appropriate and timely action to such problems. For additional information see military experience at CHPPM.

15,18. Knowledge of current radioactive effluent treatment methods, equipment and procedures and the ability to sufficiently evaluate, select and maintain and use respiratory protective

equipment was demonstrated in the laboratory and classroom exercises in the industrial hygiene segments of the Principles of Military Preventive Medicine and the Radiological Safety Course.

16. CPT Boatwright provided oversight on decontamination procedures as part of the radiation protection programs at Fort Sill, Oklahoma for three years; U.S. Army Medical Department Center and School for two years; and Nuclear Hazards Training Course and the Radiological Safety Course at Fort McClellan, Alabama.

17,19. She wrote and implemented the emergency plan as part of the radiation protection program at Fort Sill Army Community Hospital.

20,21,22. Knowledge and abilities are sufficient to evaluate and manage hoods, sealed sources and radioactive waste based on eight and a half years experience in several different radiation protection programs.

24. CPT Boatwright served as consultant on the bioassay and dosimetry assessment program at Medical Health Physics Branch, CHPPM and provided consults to Army MTFs IAW NRC Regulatory Guides 10.8, 8.20, 8.9 and the RBD program.

25. Her knowledge and ability sufficient to manage a radiation safety program effectively is demonstrated in the Army's decision to retain me as a radiation safety officer in the Army for eight and a half years.

BOATWRIGHT, Annette
Captain, U.S. Army

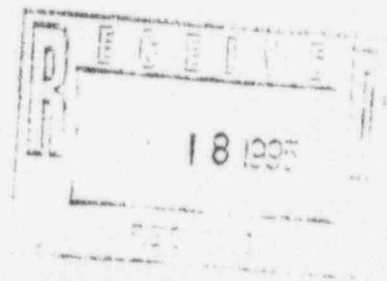
in compliance with principles, regulations, laws, and practices set forth by the NRC. Review Quality Assurance (QA) documentation to determine that the facilities are in compliance with rules and regulations set by NRC, OSHA, EPA, Federal and State Government. Conduct Radiographic X-ray system Compliance Testing for general purpose, mobiles mammographic, fluoroscopic, C-arms, and C.T. Perform consultations in health issues, personnel dosimetry, waste disposal and various parameters of health physics. The Nuclear Medical Science Officer plans, directs, and participates in activities relating to health physics, laser or microwave physics, medical radiation physics, ionizing and non-ionizing radiation biology research associated with military operation; functions in staff assignments and as instructor in these and related fields affecting the health and environment of personnel for which the Department of Army is responsible.

Chief, Radiation Protection Officer, Reynolds Army Community Hospital, Fort Sill, OK 73503-6300
1987-1990

Duties: Supervised three health physic specialists at Reynolds Army Community Hospital. I was responsible for the ionizing and nonionizing radiation safety program for the Hospital, Veterinary Services, six dental facilities, three health clinics, and three Military Entrance Processing Stations. Provided consultations to the Fort Sill installation Radiation Protection Officer. Provided radiation safety training to all radiation workers to include the Radiologist, Nuclear Medicine Physicians and the hospital ancillary staff. Member of the Hospital Radiation Control Committee. Conduct Radiographic X-ray System evaluations such as, general purpose, mammographic, fluoroscopic, C-Arms, Mobiles, and C.T. Performed consultations in health issues, personnel dosimetry and waste disposal.

CIVILIAN EXPERIENCE

Radiographer
Charleston Memorial Hospital
Charleston, SC
May 1985 - January 1987



BOATWRIGHT, Annette
Captain, U.S. Army

MILITARY EDUCATION

Tritium Training Course (40 hours) 1995; Management of Low Level Radioactive Waste Seminar (40 hrs) 1995; Principles of Military Preventive Medicine 1994, Health Physics Track (160+hours: lecture/lab); Nuclear Hazards Training Course 1992, 3-6 Mar 92 Kirtland AFB, Albuquerque NM; Medical Management of Chemical Casualty Care Course 1991; Medical Effects of Nuclear Weapons (40 hours) 1991; New 10 CFR 20 & Radiobioassay to Dose Software(40 hrs) 1992; Radiological Safety Course (176 hours) 1990, Fort McClellan, AL; Preventive Medicine Program Management (80 hours) 1989; Radioactive Waste Guidance Course (40 hours) 1989, Chem-Nuclear Systems, Inc; Nuclear, Biological, & Chemical Officers Course 1989; Radiation Safety Officer's Course 1988; Medical X-ray Survey Techniques Course (80 hours) 1988; Laser & Radiofrequency Hazards Course (40 hours) 1988; Radiation Safety Officer's Course (36 hours) 1988; Basic Radiological Health Course (40 hours) 1987; AMEDD Radiation Health Sciences Course (40 hours) Annually (x6), Radiation Safety Training (80 hours) O-J-T, 1987, Brooke Army Medical Center, Health Physics Office; Combined Arms and Services Staff School 1994; Combat Development Course 1993; AMEDD Officers Advanced Course 1993; AMEDD Faculty Development (Instructor) Course 1993; AMEDD Officers Basic Course 1987

CIVILIAN EDUCATION

Central Michigan University
M.S.(Health Care Adm)
1990-1992

Medical University of SC
B.S. (Rad Management)
1987

Health Physics Society Midyear Review (40 hours) 1995; Management of Radiographic Environments Seminar 1991, (Kodak), Rochester, NY 1-5 Apr 91; AAPM Conference on Quality Assurance, Santa Cruz, CA Summer 1991; Internal Dose Assessment Course (40 hours) 1988; Radiation Safety Officer's Course (36 hours) 1988 University of Health Sciences, San Antonio, TX; Basic Radiological Health Course (40 hours) 1987 University of Health Sciences, San Antonio, TX

BOATWRIGHT, Annette
Captain, U.S. Army

Additional Training

1. AMEDD Radiation Health Science Courses (x6), at the U.S. Army Center for Promotion and Preventive Medicine (CHPPM), APG, MD: Oct 87, Oct 88, Oct 89, Feb 91, Oct 91, & Dec 93.

05 hrs Radiation Physics & Instrumentation
76 hrs Radiation Protection
04 hrs Mathematics Pertaining to the Use and Measurement of Radioactivity
09 hrs Radiation Biology
2. Medical X-Ray Survey Techniques Course, Fort Sam Houston, TX: Jan 88.

39 hrs Radiation Physics & Instrumentation
12 hrs Radiation Protection
01 hr Mathematics Pertaining to the Use and Measurement of Radioactivity
01 hr Radiation Biology
3. Management of Radiographic Environments Seminar, Kodak, Rochester, NY: Apr 91.

07 hrs Radiation Physics & Instrumentation
20 hrs Radiation Protection
4. Radioactive Waste Packaging, Transportation, & Disposal Seminar, Chem-Nuclear Systems, Inc., Savanna, GA/Columbia, SC: Jun 89.

24 hrs Radiation Protection
02 hrs Mathematics Pertaining to the Use and Measurement of Radioactivity
5. Nuclear Hazards Training Course, Interservice Nuclear Weapons School, Kirtland AFB (Albuquerque), NM: 3-6 Mar 92.

12 hrs Radiation Physics & Instrumentation
07 hrs Radiation Protection
04 hrs Radiation Biology
6. Laser & Radiofrequency Hazards Course, AEHA, APG, MD/Apr 88.

04 hrs Radiation Physics & Instrumentation
12 hrs Radiation Protection
06 hrs Mathematics Pertaining to the Use and Measurement of Radioactivity

BOATWRIGHT, Annette
Captain, U.S. Army

Additional Training (continue)

7. Radiological Bioassay Dose (RBD) Software Course, Belvoir Research, Development & Engineering Center, Ft Belvoir, VA: 1992.

08 hrs Radiation Protection
24 hrs Mathematics Pertaining to the Use and Measurement of Radioactivity
04 hrs Radiation Biology

8. Principles of Military Preventive Medicine Course (6A-F5), Fort Sam Houston, TX: Oct-Nov 1994.

53 hrs Radiation Physics & Instrumentation
57 hrs Radiation Protection
51 hrs Mathematics Pertaining to the Use and Measurement of Radioactivity
13 hrs Radiation Biology
30 hrs Industrial Hygiene (includes air ventilation studies)

Radioactive Material Used: Ba-133, 265 uCi, S810107003-06;
Co-57, 6.0 mCi, S8221016-10; Th-230; Tl-204, 0.5 uCi and
Cs-137, 5 uCi.

9. Tritium Training Course, Allied Technology Group, Inc for US Army Material Command (AMC), Denver, Colorado: 27-29 June 1995

04 hrs Radiation Physics & Instrumentation
02 hrs Radiation Protection (internal & external control, bioassay)
02 hrs Mathematics (radiation fundamentals; radioactivity, decay)
06 hrs Radiation Protection Standards (license conditions, inspections, storage, leak testing, contamination control)
04 hrs Emergency Response practical exercise
02 hrs Radiation Biology

10. Radioactive Waste Course (Management of Low Level Radioactive Waste), Chem-Nuclear Systems, Inc., Columbia, SC 1-5 May 1995

12 hrs Radiation Protection Standards (10 CFR, 40 CFR, 49 CFR, Motor vehicle inspections)
15 hrs Packaging, Contamination limits
03 hrs Mathematics (radioactivity)

BOATWRIGHT, Annette
Captain, U.S. Army

MILITARY AWARDS

Meritorious Service Medal (1-OLC), Army Commendation Medal,
Army Achievement Medal, Army Superior Unit Award, National
Defense Service Medal, Armed forces Reserve Medal, Army
Reserve Component Achievement Medal, NCO Ribbon, Army Service
Ribbon

PROFESSIONAL ORGANIZATIONS

American Association of Physicists in Medicine
National Health Physics Society
American Society of Radiological Technologists

CERTIFICATION Registered Technologist in Radiography
Oct 1994

PUBLICATION

Boatwright, A., Curling, C.A., Cooper, L. Health
Physics Specialist Training, Health Physics
Society Midyear Meeting, Charleston, SC 1995.

Poster Board Presentation:
Boatwright, A., Curling, C.A., Cooper, L. Health
Physics Specialist Training, Health Physics
Society Midyear Meeting, Charleston, SC 1995.

COMMUNITY ACTIVITY Fort Sam Houston Mentorship Program
1993-1995

BOATWRIGHT, Annette
Captain, U.S. Army

Additional Training Information:

1. Nuclear Hazards Training Course at Kirtland Air Force Base, New Mexico. The course provided training in the management of patients exposed to high levels of ionizing radiation. Training was provided in instrumentation operation and treatment and care of radiation exposed casualties. Training included management of patient injuries arising from exposure to or involving ionizing radiation. Course included an eight hour emergency practical exercise.

2. New 10 CFR 20 and Radiological Bioassay to Dose Software Training. Information presented include the new radiation protection standards as written in the Federal Register 21 May 1991 and implementation by the U.S. Army in 1 January 1993. Includes a review of the behavior of inhaled and ingested radionuclides, the movement and retention of radionuclides within the organs and tissues of the body. Methods for computing the committed effective dose equivalent (CEDE) and the use of the RBD software with emphasis on computing the estimated CEDE as a function of radiological bioassay measurements.

3. Medical Management of Chemical Casualties Course. The information presented in this course included procedures necessary for providing medical care to chemical casualties in time war or peace. This course provided an overview of the different type of chemical agents. Their effects and medical treatment necessary for patient survival.

4. American Association of Physicists in Medicine Conference on Quality Assurance in Washington, DC. The course included radiographic quality assurance in diagnostic radiology. Subjects include computed tomography, fluoroscopy, general procedures, mammography, etc.

5. Basic Radiological Health, The University of Texas Health Science Center at San Antonio, Office of Continuing Medical Education, 24-28 Aug 87

This course involves the fundamentals of basic physics and radiological units; structure of matter, atomic and nuclear structure, electrons and electronic shells, dimensions and energy considerations; basic chemical principles and periodic chart; radioactivity, non-medical radioactivity general introduction and basic equations; radioactivity decay schemes; radiation, quantities and units; statistics lab and demonstration; lab on radioactivity; industrial radiation uses, x-ray machines; production of x-rays; time, distance and shielding uses in radiation safety; radiation detection devices, personnel

BOATWRIGHT, Annette
Captain, U.S. Army

dosimeters, dosimetry record keeping; radiation detection devices, ionization chambers, proportional counters, Geiger counters, solid scintillation detectors; biological effects of radiation; federal and state radiation control program.

6. AMEDD Physics And Military Medicine, US Army Environmental Hygiene Agency, Aberdeen Proving Ground, MD

This course provided technical continuing education in medical physics and health physics for Nuclear Medical Science Officer. This course included information on dose assessment, x-ray surveys, microwave and lasers, radiation safety, regulatory and safety requirements and practical, exercises.

7. Radiation Safety Officer's Course, University of Texas Health Science, Center at San Antonio Office of Continuing Medical Education, 4-8 Jan 88

This course emphasized detailed and in-depth information on Nuclear Regulatory Commission Regulations and Guides; basic fundamentals of radiation units; effects of ionizing radiation, safety and relation to worker and public, publication aids in radiation safety and practical problems; radiation detectors and uses; radiation safety program; practical problems in radiation safety; transportation of radioactive materials; understanding of the regulations, licensing procedures, practical technical aspects, and administrative factors involved in developing, implementing and supervising a radiation safety organization.

8. Medical X-ray Survey Techniques Course, US Army Academy of Health Sciences, Fort Sam Houston, Texas, 25 Jan - 6 Feb 1988

This course included didactic and practical exercises necessary to perform surveys on diagnostic x-ray survey machines. Information presented in the course included but not limited to the following; overview of diagnostic radiology, production of x-rays, x-ray generators, interactions between x-ray and matter, radiation safety, introduction to x-ray system and darkroom, measurement of x-rays, operation and limitation of the MDH, attenuation and absorption of x-rays, survey instrumentation, image receptor, legal aspects of occupational exposure, filters, collimators and grids, x-ray field characteristics, bio-effects of ionizing radiation, x-ray techniques and patient exposure, federal performance standards, and radiation protection program management.

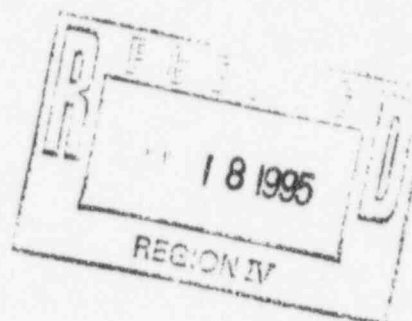
9. Laser & Radiofrequency Hazards Course, US Army Environmental Hygiene Agency, Aberdeen Proving Ground, MD 25-29 Apr 88

BOATWRIGHT, Annette
Captain, U.S. Army

This course involves information on health hazards associated with non-ionizing radiation sources and establishing effective control measures for these hazards. This course included information on lasers, searchlights, electromagnetic interference phenomena, and practical exercises.

CORRESPONDENCE COURSES

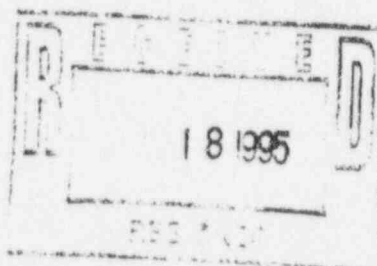
1. CM 1203, Read and Report Radiation Dosages
Reading and reporting reading radiation dosages using the IM-93/PD, IM-93/UD, IM-93A/UD and IM-14/PD Dosimeters.
2. CM 2206, Chemical and Biological Reconnaissance
Elements of chemical and biological reconnaissance
organizational structure of reconnaissance units, types of reconnaissance, movement and troop-leading techniques.
3. CM 2308, Calculate and Compute Nuclear Data
Calculating and computing nuclear data for personnel and units operating in or crossing an area of radiological contamination.
4. CM 1403, Supervise Tactical Dosimetry Operations
Fundamentals of radiation exposure reporting and control.
Collecting and reporting total dose.



BOATWRIGHT, Annette
Captain, U.S. Army

CHRONOLOGICAL ORDER OF TRAINING COURSES, MILITARY AND CIVILIAN

Tritium Training Course	1995
Management of Low Level Radioactive Waste Seminar	1995
Health Physics Society Midyear Review	1995
Principles of Military Preventive Medicine	1994
Health Physics Track (160+ hours:lecture/lab)	
Combined Arms and Services Staff School	1994
Combat Development Course	1993
AMEDD Officers Advanced Course	1993
5 Jan - 26 May 93	
AMEDD Faculty Development (Instructor) Course	1993
Nuclear Weapons Hazard Course (40 hours)	1992
New 10 CFR 20 & Radiobioassay to Dose Software	1992
Fort Belvoir, VA	
Nuclear Hazards Training Course	1992
Kirtland Air Force Base	
Medical Management of Chemical Casualty Care Course	1991
Medical Effects of Nuclear Weapons (40 hours)	1991
Management of Radiographic Environments Seminar	1991
(Kodak), Rochester, NY 1-5 Apr 91	
American Association of Physicists in Summer	1991
Medicine Conference on Quality Assurance	
Radiological Safety Course (176 hours)	1990
10-31 Jan 90 FT McClellan, AL	
Preventive Medicine Program Management (80 hours)	1989
27 Nov - 8 Dec 1989	
Radioactive Waste Guidance Course (40 hours)	1989
Nuclear, Biological, & Chemical Officers Course	1989
Radioactive Waste Guidance Course (40 hours)	1989
Chem-Nuclear Systems, Inc	
Radiation Safety Officer's Course	1988
4-8 Jan 1988 (36 hours)	
Medical X-ray Survey Techniques Course (80 hours)	1988
24 Jan - 5 Feb 95	
Internal Dose Assessment Course (40 hours)	1988
Laser Microwave Hazards Course (40 hours)	1988
Radiation Safety Training (80 hours) O-J-T	1987
Brooke Army Medical Center, Health Physics Office	
Basic Radiological Health (40 hours)	1987
AMEDD Radiation Health Sciences Course (40 hours)	Annually
24-28 August 1987 APG, MD	
AMEDD Officers Basic Course	1987
23 Feb - 15 May 87	





UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064

July 24, 1995

Department of the Army
Fitzsimons Army Medical Center
ATTN: J. Sutherland Parker
Brigadier General, U.S. Army Commanding
HSHG-RP
Aurora, CO 80045-5001

SUBJECT: LICENSE AMENDMENT

Please find enclosed License No. 05-00046-13. You should review this license carefully and be sure that you understand all conditions. Although its expiration date has not been changed by this amendment, your license remains in effect (that is, in timely renewal status) until further notice. If you have any questions, you may contact the reviewer who signed your license at 817-860-8132.

Please be advised that you must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address (no fee required if the location of radioactive material remains the same).
5. Request and obtain written NRC consent before transferring your license or any right thereunder, either voluntarily or involuntarily, directly or indirectly, through transfer of control of your license to any person or entity. A transfer of control of your license includes not only a total change of ownership, but also a change in the controlling interest in your company whether it is a corporation, partnership, or other entity. In addition, appropriate license amendments must be requested and obtained for any other planned changes in your facility or program that are contrary to your license or contrary to representations made in your license application, as well as supplemental correspondence thereto, which are incorporated into your license. A license fee may be charged for the amendments if you are not in a fee-exempt category.

A/253

6. Maintain in a single document decommissioning records that have been certified for completeness and accuracy listing all the following items applicable to the license:
 - Onsite areas designated or formerly designated as restricted areas as defined in 10 CFR 20.3(a)(14) or 20.1003.
 - Onsite areas, other than restricted areas, where radioactive materials in quantities greater than amounts listed in Appendix C to 10 CFR 20.1001-20.2401 have been used, possessed, or stored.
 - Onsite areas, other than restricted areas, where spills or other unusual occurrences involving the spread of contamination in and around the facility, equipment, or site have occurred that required reporting pursuant to 10 CFR 30.50(b)(1) or (b)(4), including areas where subsequent cleanup procedures have removed the contamination.
 - Specific locations and radionuclide contents of previous and current burial areas within the site, excluding radioactive material with half-lives of 10 days or less, depleted uranium used only for shielding or as penetrators in unused munitions, or sealed sources authorized for use at temporary job sites.
 - Location and description of all contaminated equipment involved in licensed operations that is to remain onsite after license termination.
7. Submit a complete renewal application with proper fee, or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
8. Request termination of your license if you plan to permanently discontinue activities involving radioactive material.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the "General Statement of Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy), 60 FR 34381, June 30, 1995.

Department of the Army
Fitzsimons Army Medical Center

-3-

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which the NRC expects of its licensees.

Thank you for your cooperation.

Sincerely,

Original Signed By
Jacqueline D. Burks

Jacqueline D. Burks
Health Physicist
Nuclear Materials Licensing Branch

Docket: 030-01233
License: 05-00046-13
Control: 465634

Enclosures: As stated

VOID SHEET

TO: License Fee Management Branch

FROM:

Page 4

SUBJECT: VOIDED APPLICATION

Control Number:

465728

Applicant:

Dept. of the Army - FPMC (License # 05-00046-13)

Date Voided:

7/24/95

Reason for Void:

MC# 465728 is a duplicate of MC# 465634
request for additional information. No review
accomplished.

Janet A. Banks 7/24/95
Signature Date

Attachment:

Official Record Copy of
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:

- ☐ Refund Authorized and processed
- ☐ No Refund Due
- ☐ Fee Exempt or Fee Not Required

Comments

~~9500170098~~ 950724
PDR ADOCK 03001233

74
Log completed

☐

11/2/94
ML40
111

R1201021

Licensing TRACK SYSTEM

DATE: 950719
PAGE: 1

LTS WORKSHEET

VOICED 7/24/95
MS# 23

19

DOCKET NO : 03001233 LICENSE NO : 05-00046-13 STATUS: 2
MAIL CONTROL : 465728 RECEIPT DATE : 950719 ACTION TYPE: 4
DUE DATE : 951011
FED. GOVT : Y INST. CODE : 00046 LICENSE REGION: 4
ISSUE DATE: 950518 ORIGINAL DATE: 871222 EXPIRATION DATE: 19901231
NAME : ARMY, DEPARTMENT OF THE DECOM FIN ASSUR RECD: Y
SUBM: Y
DEPT/BUREAU: FITZSIMONS ARMY MED. CTR. CONT PLAN REQD: N APPRV: Y
BUILDING :
STREET : ATTN: HS HG-RP
CITY : AURORA STATE: CO ZIP: 800455001
CONTACT PERSON: MAJ ALBERT LAMBERT PHONE: 303-361-8411
PRIMARY PGM CODE : 02110 SECONDARY PGM CODES: 11210
INSPECTION REGION: 4 PRIORITY CODE: 1 INSPECTION CATEGORY: G1
RADIATION SAFETY OFFICER: MAJ ALBERT LAMBERT
STATES WHERE USE IS AUTHORIZED: 1 0 - ALL LISTED STATES
1 - SAME AS STATE IN ADDRESS
2 - ALL STATES
3 - NON-AGREEMENT STATES
AUTHORIZED STATES: (USE ONLY IF ABOVE IS ZERO)
REPORTING IDENTIFICATION SYMBOL: 1
APPROVAL FOR: REDISTRIBUTION: N STORAGE ONLY: N
TEMPORARY JOB SITES: N INCINERATION: N
BURIAL: N
EXEMPTIONS: (1) (2)

REVIEWER
PLEASE UPDATE

- ☐ 5 half-lives
☐ > 65 day half-lives
☐ Extended storage
☐ 10 CFR 20.302/20.2002
☐ N/A

MATERIAL TYPE	A1X	FORM CODE: ANY	AGGREGATE CODE: A
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY	00000000000000000000	UNIT: MCI	
OTHER	# SOURCES:		
MATERIAL TYPE	A3	FORM CODE: SS	AGGREGATE CODE: SS
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY	00000002.0000000000	UNIT: I	
OTHER	# SOURCES:		
MATERIAL TYPE	DU	FORM CODE: MET	AGGREGATE CODE: MET
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY	0000999.0000000000	UNIT: KG	
OTHER	# SOURCES:		
MATERIAL TYPE	H3	FORM CODE: ANY	AGGREGATE CODE: A
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY	00000005.0000000000	UNIT: CI	
OTHER	# SOURCES:		
MATERIAL TYPE	I125	FORM CODE: ANY	AGGREGATE CODE: A
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY	00000001.0000000000	UNIT: CI	
OTHER	# SOURCES:		
MATERIAL TYPE	I131	FORM CODE: ANY	AGGREGATE CODE: A
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY	00000002.0000000000	UNIT: CI	
OTHER	# SOURCES:		
MATERIAL TYPE	MO99	FORM CODE: ANY	AGGREGATE CODE: A
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY	00000010.0000000000	UNIT: CI	
OTHER	# SOURCES:		

MATERIAL TYPE	TC99M	FORM CODE: ANY	AGGREGATE CODE: A
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY	0000010.000000000	UNIT: C1	
OTHER	-	# SOURCES: -	
MATERIAL TYPE	XE133	FORM CODE: ANY	AGGREGATE CODE: A
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY	0000002.000000000	UNIT: C1	
OTHER	-	# SOURCES: -	
MATERIAL TYPE		FORM CODE: -	AGGREGATE CODE: -
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY		UNIT: -	
OTHER	-	# SOURCES: -	
MATERIAL TYPE		FORM CODE: -	AGGREGATE CODE: -
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY		UNIT: -	
OTHER	-	# SOURCES: -	
MATERIAL TYPE		FORM CODE: -	AGGREGATE CODE: -
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY		UNIT: -	
OTHER	-	# SOURCES: -	
MATERIAL TYPE		FORM CODE: -	AGGREGATE CODE: -
MODEL NUMBER			
DESCRIPTION			
TOTAL QUANTITY		UNIT: -	
OTHER	-	# SOURCES: -	

MATERIAL TYPE
MODEL NUMBER
DESCRIPTION
TOTAL QUANTITY
OTHER

TC99M

FORM CODE: ANY

AGGREGATE CODE: A

0000010.000000000

UNIT: CI

SOURCES: _____

MATERIAL TYPE
MODEL NUMBER
DESCRIPTION
TOTAL QUANTITY
OTHER

XE133

FORM CODE: ANY

AGGREGATE CODE: A

0000002.000000000

UNIT: CI

SOURCES: _____

MATERIAL TYPE
MODEL NUMBER
DESCRIPTION
TOTAL QUANTITY
OTHER

FORM CODE: _____

AGGREGATE CODE: _____

UNIT: _____

SOURCES: _____

MATERIAL TYPE
MODEL NUMBER
DESCRIPTION
TOTAL QUANTITY
OTHER

FORM CODE: _____

AGGREGATE CODE: _____

UNIT: _____

SOURCES: _____

MATERIAL TYPE
MODEL NUMBER
DESCRIPTION
TOTAL QUANTITY
OTHER

FORM CODE: _____

AGGREGATE CODE: _____

UNIT: _____

SOURCES: _____

MATERIAL TYPE
MODEL NUMBER
DESCRIPTION
TOTAL QUANTITY
OTHER

FORM CODE: _____

AGGREGATE CODE: _____

UNIT: _____

SOURCES: _____

MATERIAL TYPE
MODEL NUMBER
DESCRIPTION
TOTAL QUANTITY
OTHER

FORM CODE: _____

AGGREGATE CODE: _____

UNIT: _____

SOURCES: _____

DOCKET 03001233 LIC 05-00046-13 NAME: ARMY, DEPARTMENT OF THE

PARTY ISSUING MECHANISM:
NAME DEPT. OF THE ARMY
ADDR1 _____
ADDR2 _____
CITY AURORA
STATE CO ZIP: 80045

ASSUR TYPE C (C=CERT D=DFP)
MECH TYPE S1
MECH AMOUNT 000750000
APPROVED? Y DATE 920406
EXPIRES? N DATE

PARTY ISSUING MECHANISM:
NAME _____
ADDR1 _____
ADDR2 _____
CITY _____
STATE _____ ZIP: _____

ASSUR TYPE - (C=CERT D=DFP)
MECH TYPE -
MECH AMOUNT -
APPROVED? DATE
EXPIRES? - DATE

PARTY ISSUING MECHANISM:
NAME _____
ADDR1 _____
ADDR2 _____
CITY _____
STATE _____ ZIP: _____

ASSUR TYPE - (C=CERT D=DFP)
MECH TYPE -
MECH AMOUNT -
APPROVED? DATE
EXPIRES? - DATE

PARTY ISSUING MECHANISM:
NAME _____
ADDR1 _____
ADDR2 _____
CITY _____
STATE _____ ZIP: _____

ASSUR TYPE - (C=CERT D=DFP)
MECH TYPE -
MECH AMOUNT -
APPROVED? DATE
EXPIRES? - DATE

PARTY ISSUING MECHANISM:
NAME _____
ADDR1 _____
ADDR2 _____
CITY _____
STATE _____ ZIP: _____

ASSUR TYPE - (C=CERT D=DFP)
MECH TYPE -
MECH AMOUNT -
APPROVED? DATE
EXPIRES? - DATE

PARTY ISSUING MECHANISM:
NAME _____
ADDR1 _____
ADDR2 _____
CITY _____
STATE _____ ZIP: _____

ASSUR TYPE - (C=CERT D=DFP)
MECH TYPE -
MECH AMOUNT -
APPROVED? DATE
EXPIRES? - DATE

PARTY ISSUING MECHANISM:
NAME _____
ADDR1 _____
ADDR2 _____
CITY _____
STATE _____ ZIP: _____

ASSUR TYPE - (C=CERT D=DFP)
MECH TYPE -
MECH AMOUNT -
APPROVED? DATE
EXPIRES? - DATE

DOCKET NO: 03001233 LICENSE NUMBER: 05-00046-13
NAME ARMY, DEPARTMENT OF THE

MEDICAL QUALITY MANAGEMENT PROGRAM REQUIRED: Y RECEIVED: Y APPROVED: N

DECOMMISSIONING FINANCIAL ASSURANCE REQUIRED: Y SUBMITTED: Y

CONTINGENCY PLAN REQUIRED: N APPROVED: Y

DECAY-IN-STORAGE APPROVED: N HOLDING FOR < 10 HALF-LIVES APPROVED: _

T 1/2 > 65 DAYS, ISOTOPE(S): _____

INTERIM STORAGE UP TO 1996: N

SAFETY INSPECTION

Page 1 of 2

1. LICENSEE

2. REGIONAL OFFICE

REGION IV

U S NUCLEAR REGULATORY COMMISSION

611 RYAN PLAZA DRIVE SUITE 400

ARLINGTON TX 76011-8064

3. DOCKET NUMBER(S)

4. LICENSE NUMBER(S)

5. DATE OF INSPECTION

730-01233

OE-00046-1E

July 26-28, 1995

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The findings as a result of this inspection are as follows:

☐ 1. Within the scope of this inspection, no violations were observed.

☒ 2. The inspector also verified the steps you have taken to correct the violations identified during the last inspection. We have no further questions on those actions at this time.

☒ 3. During this inspection certain of your activities, as described below or attached, were in violation of NRC requirements. This form is a **NOTICE OF VIOLATION**, which is required to be posted in accordance with 10 CFR 19.11.

☐ A. _____ was not properly posted to indicate the presence of a _____ 10 CFR 20.203(b),(c),(d),(e) or 34.42.

☐ B. _____ of sealed sources were not performed at the proper frequencies. 10 CFR _____ or License Condition Number _____.

☐ C. Records of _____ were not properly maintained. 10 CFR _____ or License Condition Number _____.

☐ D. Documents were not properly posted or otherwise made available. 10 CFR 19.11.

☐ E. Reports or notification of _____ were not made in accordance with 10 CFR _____ or License Condition Number _____.

☒ F. Contrary to 10 CFR 20.1202(a), the licensee had not made surveys of radioactive materials in gaseous effluents released to unrestricted areas to demonstrate

~~9509060198~~ 950728
PDR ADOCK 03001233
C PDR

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified in the items checked above. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201. No further response will be submitted unless required by the NRC.

SIGNATURE - LICENSEE

DATE

SIGNATURE - NRC INSPECTOR

DATE

SAFETY INSPECTION

Page 2 of 2

1. LICENSEE

2. REGIONAL OFFICE

REGION IV
U S NUCLEAR REGULATORY COMMISSION
611 RYAN PLAZA DRIVE SUITE 400
ARLINGTON TX 76011-8064

3. DOCKET NUMBER(S)

4. LICENSE NUMBER(S)

5. DATE OF INSPECTION

☒ (Continued)☒ G.☐ H.☐ I.

☐ 4. The violations listed below are not being cited because they were self-identified, and corrective action was or is being taken, and the remaining criteria in 10 CFR 2, App. C, to exercise discretion were satisfied.

☐ A.☐ B.☐ C.

IE-07