

MATERIALS LICENSE

Amendment No. 23

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, 36, 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.

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Licensee

1. Department of the Army
U.S. Army Center for Health Promotion
and Preventive Medicine
2. Building E-2100, Bush River Road
Aberdeen Proving Ground, Maryland
21010-5422

In accordance with the letter dated
November 8, 1996,

3. License Number SNM-860 is amended in
its entirety to read as follows:

4. Expiration Date September 30, 2004

5. Docket or
Reference No. 070-00867

6. Byproduct, Source, and/or
Special Nuclear Material

7. Chemical and/or Physical
Form

8. Maximum Amount that Licensee
May Possess at Any One Time
Under This License

- A. Plutonium
B. Plutonium
C. Plutonium

- A. Sealed neutron sources
B. Plated alpha sources
C. Any

- A. 208 grams
B. 750 micrograms
C. 750 micrograms

9. Authorized use

- A. through C. Calibration of instruments; sample analysis.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at U.S. Army Environmental Hygiene Agency, Building E-2100, Bush River Road, Edgewood Area, Aberdeen Proving Ground, Maryland and at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. A. Licensed material shall be used by, or under the supervision of, individuals designated by the licensee's Radiation Control Committee, Stephen L. Kistner, Chairman.
B. The Radiation Protection Officer for this license is 1LT Kenneth L. Guiberson.
12. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.
B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed three months.

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- C. In the absence of a certificate from a transferor indicating that a leak test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. 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, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source or detector cell involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by the licensee. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.

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15. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.
16. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
17. 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 July 18, 1994
 - B. Letter dated November 8, 1996



For the U.S. Nuclear Regulatory Commission

Original Signed By:

John D. Kinneman

By

Nuclear Materials Safety Branch

Region I

King of Prussia, Pennsylvania 19406

JAN 28 1997

Date _____

JAN 28 1997

License No. SNM-860
Docket No. 070-00867
Control No. 123980

Commander, U.S. Army Medical Command
MCHO-CL-W
COL Daxon
2050 Worth Road
Fort Sam Houston, TX 78234-6000

Dear Colonel Daxon:

This refers to your license amendment request. Enclosed with this letter is the amended license. Please note that as part of this amendment, in accordance with 10 CFR 70.38, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. Your new expiration date is stated in Item 4 of the license.

You have requested that Mr. Stephen L. Kistner be named as Chairman of the Radiation Control Committee. We note that Mr. Kistner has not had any experience with the types and quantities of materials listed on License No. SNM-860, therefore, Mr. Kistner should not supervise authorized users of licensed material even though he may be named as the Chairman of the Radiation Control Committee.

The curriculum vitae for Stephen L. Kistner contains information which must be protected under the Privacy Act, such as date of birth and family situation. Documents submitted to the NRC are available to the public through the Freedom of Information Act. In future submissions, please include such information only when it is required to support the request.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

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COL Daxon
Department of the Army

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Thank you for your cooperation.

Sincerely,

Original Signed By:
John D. Kinneman

John D. Kinneman, Chief
Nuclear Material Safety Branch 2
Division of Nuclear Materials Safety

License No. SNM-860
Docket No. 070-00867
Control No. 123980

Enclosure:
Amendment No. 23

cc: Philip H. Perkins
Colonel, MS
Deputy Commander
Department of the Army
U.S. Army Center for Health Promotion
and Preventative Medicine
Building E-2100, Bush River Road
Aberdeen Proving Ground, MD 21010-5422

DOCUMENT NAME: R:\WPS\MLTR\LSNM860

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/BI	N			
NAME	JBondick AB		JKinneman				
DATE	01/27/97		01/27/97		01/ /97		01/ /97



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
5158 BLACKHAWK ROAD
ABERDEEN PROVING GROUND, MARYLAND 21010-5422

070-00867

MCHB-RPO (385-11m)

8 November 1996

MEMORANDUM THRU Commander, U.S. Army Medical Command, ATTN:
MCHO-CL-W (COL Daxon), 2050 Worth Road, Fort
Sam Houston, TX 78234-6000

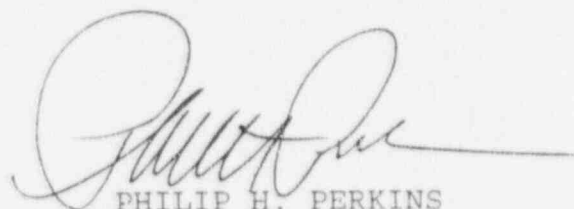
FOR U.S. Nuclear Regulatory Commission, Region I, Licensing
Assistant Section, Nuclear, Nuclear Materials Safety
Branch, 475 Allendale Road, King of Prussia,
PA 19406-1415

SUBJECT: Amendment of U.S. Nuclear Regulatory Commission,
Radioactive Material Licenses BLM 19-09880-01, SMB-707, and
SNM-860

1. Request that the U.S. Nuclear Regulatory Commission
Radioactive Material Licenses BLM 19-09880-01, SMB-707, and
SNM-860 be amended to reflect the following changes: 1LT Kenneth
L. Guiberson - Radiation Protection Officer and Mr. Stephen L.
Kistner - Radiation Control Committee Chairman.
2. 1LT Guiberson is the replacement for Mr. Craig R. Jones as
the Radiation Protection Officer. The NRC Form 313M
(enclosure 1) and a curricula vita (enclosure 2) for
1LT Guiberson are enclosed.
3. Mr. Stephen L. Kistner is the replacement for
COL John W. Yasalonis as the Radiation Control Committee
Chairman. The NRC Form 313M (enclosure 3) and a curricula vita
(enclosure 4) for Mr. Kistner are enclosed.

FOR THE COMMANDER:

4 Encls
as


PHILIP H. PERKINS
Colonel, MS
Deputy Commander

Readiness thru Health

OFFICIAL RECORD COPY ML 10

1 2 3 9 8 0
DEC - 3 1996

TRAINING AND EXPERIENCE
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER GUIBERSON, KENNETH L. MEDICAL HEALTH PHYSIC PROGRAM			2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE	
3. CERTIFICATION				
SPECIALTY BOARD A		CATEGORY B	MONTH AND YEAR CERTIFIED C	
NA		NA	NA	
4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES				
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING		
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D	
a. RADIATION PHYSICS AND INSTRUMENTATION	Nebraska Wesleyan University AHS, Fort Sam Houston, Texas U.S. Army Center for Health Promotion & Preventive Medicine	170	100	
b. RADIATION PROTECTION	Same as above	150	70	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	Same as above	170	70	
d. RADIATION BIOLOGY	Same as above	100	70	
e. RADIOPHARMACEUTICAL CHEMISTRY	Same as above	40	20	
5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
All isotopes with atomic number 84 and lower				check source
Tc-99	300 mCi	Fort Sam Houston, TX	5 weeks	training
I-131	100 mCi	Fort Sam Houston, TX	5 weeks	nuclear medical procedures
Cs-137	130 Ci	USACHPPM	11 months	calibration
Am-241	check source	USACHPPM	20 months	check source

Curriculum Vitae for:

1LT Kenneth L. Guiberson
USACHPPM
Aberdeen Proving Ground, MD 21010-5422
(410) 671-3548

Education:

Nebraska Wesleyan University - 1994
Bachelor's of Science - Physics
Lincoln, NE

Columbia University - 1994
Bachelor's of Science - Mechanical Engineering
New York, NY

Military Education:

Nuclear Hazards Training Course, The Defense Nuclear Agency, Kirtland Air
Force Base, NM (May 96)

Mammography Facility Inspection Techniques, The Uniform Services
University of the Health Sciences, Rockville, MD (Oct 95)

Medical Effects of Nuclear Weapons, Armed Forces Radiobiology Research
Institute, Bethesda, MD (Aug 95)

Medical X-Ray Survey Techniques Course, Academy of Health Sciences
Fort Sam Houston, TX (May 95)

Principles of Preventive Medicine Course, Academy of Health Sciences
Fort Sam Houston, TX (Nov 94)

AMEDD Officers Basic Course, Academy of Health Sciences
Fort Sam Houston, TX (Sep 94)

Civilian Education:

Internal Dosimetry, Oakridge Institute for Science and Education,
Aberdeen Proving Ground, MD (Mar 96)

MORE 3 Seminar (Management of Radiographic Environments)
Kodak's Education & Development Center
Rochester, New York (July 95)

AAPM 1995 Summer School: Medical CT and Ultrasound
Connecticut University, CT (Jun 95)

40-Hour Basic Health and Safety Training
Center for Hazardous Materials Research
Pittsburgh, PA (April 95)

Military Experience:

Nuclear Medical Science Officer
Survey Officer
U.S. Army Center for Health Promotion and Preventive Medicine
Medical Health Physics Program (Nov 94 - Present)

Alternate Radiation Protection Officer
U.S. Army Center for Health Promotion and Preventive Medicine
Medical Health Physics Program (Sep 95 - Present)

TRAINING AND EXPERIENCE
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER STEPHEN LAWRENCE KISTNER	2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE
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3. CERTIFICATION		
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C
State of Maryland Board for Professional Engineers	Comprehensive Practice	July 1978

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES			
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING	
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION			
b. RADIATION PROTECTION			
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY			
d. RADIATION BIOLOGY			
e. RADIOPHARMACEUTICAL CHEMISTRY			

5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE

STEPHEN L. KISTNER
Scientific Advisor to the Commander
U.S. Army Center for Health Promotion and Preventive Medicine

Mr. Kistner originally comes from far upstate (Plattsburgh) New York. He attended Manhattan College where he received his Bachelor and Master degrees in Chemical Engineering. After receiving direct commission in the Army in 1971 and after serving a tour with the 20th Preventive Medicine Unit in Vietnam, he was assigned to the Air Pollution Engineering Division of the Army Environmental Hygiene Agency (AEHA). In 1974, he left the military, but remained at the AEHA as a civilian employee.

In 1976, he moved to Water Quality Engineering Division where he served as a project officer and then as the Chief of the Wastewater Management Branch. During this period, Mr. Kistner continued his education at night and, via long-term training, where he obtained Master degrees in Environmental Engineering, and in Health Sciences from John Hopkins University. In April 1989, Mr. Kistner became the Chief, Hazardous and Medical Waste Branch, Waste Disposal Engineering Division.

In April 1991, Mr. Kistner was appointed as the Scientific Advisor to the Commander. In this current capacity, he is the senior consultant on all matters of a scientific, technological or programmatic nature. He also serves as the senior civilian advisor on matters of quality, career development, and training.

Mr. Kistner's awards include the Bronze Star, Army Commendation Medal, selected as the "Young Engineer of the Year" by the Maryland Society of Professional Engineers (1981), and recipient of the Joseph Lovell Award for demonstrated initiative and professional excellence by the AEHA (1981).

He is a Diplomat of the American Academy of Environmental Engineers (AAEE), a registered Professional Engineer in the State of Maryland, and an active member of the American Defense Preparedness Association. He is currently the Chair of the AAEE Water Supply and Wastewater Sub-Committee, and is the author of numerous technical reports and open literature publications.

He resides in [

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CURRICULUM VITAE

NAME: Stephen L. Kistner

BIRTHDATE: []

PLACE: []

MARITAL STATUS:

[]

[]

EDUCATION:

Academic.

Master of Health Science School of Hygiene and Public Health Johns Hopkins University, Maryland	1983
M.S. in Environmental Engineering Johns Hopkins University, Maryland	1980
M.E. in Chemical Engineering Mahattan College, New York	1971
B.E. in Chemical Engineering Manhattan College, New York	1970

Other Courses.

Toxic Chemical Training Course for Medical Support Personnel, Edgewood, MD	1996
ISO 14000 - An Executive Perspective, APG, MD	1996
ISO 9000 Lead Assessor Training University of Maryland, Deep Creek Lake, MD	1995
Thriving In a Turbulent Environment Md Center for Quality & Productivity, Baltimore, MD	1995

Transforming Government: Putting People and Quality First, Federal Quality Institute, Washington, DC	1993
How to Handle Difficult People/Conflict Management APG, MD	1993
TQM Facilitators, APG, MD	1992
Good Laboratory Practices (GLP), APG, MD	1992
The TQM Experience: Performance Appraisal of The Future, Baltimore, MD	1991
Advanced RCRA Seminar, APG, MD	1991
TQM, APG, MD	1991
HAZWOPER, APG, MD	1990
WordPerfect, APG, MD	1989
Organizational Planning, APG, MD	1987
Biological Wastewater Treatment, APG, MD	1986
Managing and Using Small Computer, APG, MD	1986
Management of Natural Resources, Executive Seminar Center, Oak Ridge, TN	1985
Personnel Management for Executives Army Regional Training Center, Williamsburg, VA	1983
Emerging Trends in Management Technology, APG, MD	1983
Basic Management Functions, APG, MD	1982
Environmental Management George Washington University, APG, MD	1981
Supervisory Development, APG, MD	1981

Mathematical Modeling of Natural Water Systems Manhattan College, NY	1979
Measurement of Organic Pollutants in Water and Wastewater, ASTM, Denver, CO	1978
Environmental Executive Course Logistics Management Center, APG, MD	1977
Air Quality Monitoring Systems Xonics, Inc., Van Nuys, CA	1976
Calibration Air Monitoring ASTM, Boulder, CO	1975
Fortran IV Computer Programming Harford County Community College, Bel Air, MD	1975
Air Quality Monitoring Systems EPA, Durham, NC	1974
Visible Emissions Evaluation EPA, Durham, NC	1973

REGISTRATION/CERTIFICATION: Registered Professional Engineer (by examination) in the State of Maryland (1978)

PROFESSIONAL EXPERIENCE:

-April 1991 to Present. Environmental Occupational Health Scientist, GM/GS-15. Scientific Advisor to the Commander, Office of the Commanding Officer, US Army Center for Health Promotion and Preventive Medicine, Aberdeen Proving Ground, Maryland. Serves as the senior consultant to the Commander on all matters of a scientific, technological or programmatic nature for the execution of the occupational and environmental health programs. Provides leadership and guidance in formulating comprehensive program plans to enable balanced, timely, and effective execution of mission services, and to ensure the general level of science in the Center. Represents the Commander on technical matters at senior level meetings with representatives of other Army commands, DOD, Federal and state agencies, industry and foreign countries on matters pertaining to this Center. Serves as the senior civilian advisor on problem areas, resource matters, and general career development issues.

-March 1989 to April 1991. Supervisory Environmental Engineer, GM-14. Chief, Hazardous and Medical Waste Branch, Waste Disposal Engineering Division, US Army Environmental Hygiene Agency, Aberdeen Proving Ground, Maryland. Served as Branch Chief and Program manager responsible for planning and executing the Agency's hazardous and medical waste engineering studies and consultations. Directed program development reviewed technical reports, and managed budgetary expenditures. Coordinated efforts of three Direct Support Activities, as well as provided hazardous and medical waste technical support to other divisions within this Agency.

-January 1980 to March 1989. Supervisory Environmental Engineer, GM-14. Chief, Wastewater Surveillance and Management Branch, Water Quality Engineering Division, US Army Environmental Hygiene Agency, Aberdeen Proving Ground, Maryland. Served as Branch Chief and Program Manager responsible for planning and directing the Agency's wastewater engineering studies and consultations. Directed program development, provided technical review of reports, and managed budgetary expenditures. Coordinated efforts of three Field Support Activities, as well as provided support to other engineering divisions in support of NEPA, RCRA and CERCLA.

-September 1976 to January 1980. Chemical Engineer, GS-13. Water Consultation Branch, Water Quality Engineering Division, US Army Environmental Hygiene Agency, Aberdeen Proving Ground, Maryland. Consultant in the chemical engineering aspects of water and wastewater treatment (particularly industrial wastewater). Consulted on the adequacy of abatement programs through review and evaluation of in-plant chemical processes. Prepared and reviewed Environmental Impact Statements coordinating input of a multi-disciplined environmental team.

-August 1974 to September 1976. Chemical Engineer, GS-12. Air Pollution Engineering Division, US Army Environmental Hygiene Agency, Aberdeen Proving Ground, Maryland. Planned and executed ambient air monitoring studies at various installations. Performed dispersion modeling, reviewed Environmental Impact Statements, and evaluated air pollution problems associated with hazardous chemicals.

-December 1972 to June 1974. 1st LT US Army, Sanitary Engineer, 20th Preventive Medicine Unit, South Vietnam. Supervised biological and chemical analyses of US military drinking water for the southern half of South Vietnam. Conducted studies of wastewater treatment facilities, x-ray equipment, and selected noise and industrial hygiene problems. Conducted training in field sanitation and waste purification for US Army field units.

AWARDS AND OTHER HONORS:

- * Received Commanding General's Gold Star Award for outstanding contributions in furthering the overall quality goals of the organization, 1995.
- * Selected as a finalist by the Baltimore Federal Executive Board for Outstanding Technical Supervisor Award, 1984
- * Selected as a finalist by the Baltimore Federal Executive Board for the Community Relations Award, 1982
- * Selected "Young Engineer of the Year" by the Maryland Society of Professional Engineers, 1981
- * Received Joseph Lovell Award for demonstrated exceptional initiative, creativity, innovative ability and professional excellence in support of the Army's Clean Water Program, U.S. Army Environmental Hygiene Agency, 1981
- * Selected for Long-Term Civilian Training, 1979-80
- * Army Commendation Medal, USAEHA, APG, MD 1972-74
- * Bronze Star, South Vietnam, 1971-72

PROFESSIONAL ACTIVITIES:

American Academy of Environmental Engineers
 -Chair of Water Supply and Wastewater Sub-Committee
 American Defense Preparedness Association
 Conference of Federal Environmental Engineers
 - President-Elect (1996-97)

PUBLICATIONS:

OPEN LITERATURE:

Kistner, S., et al., "Design, Testing, and Performance of a Caustic Scrubber System for the Control of Phosgene Emissions," Journal of the Air Pollution Control Association, July 1978.

Water Pollution Control Federation Manual of Practice SM-3, Water Reuse, 2nd Edition, 1989. (Authored Chapter 2, the "Chemical Constituents", a section of Chapter 7, and the Glossary.)

GOVERNMENT PUBLICATIONS:**Sole-Authored**

- Kistner, S.L., "Speaking Out: What Should the Army Emphasize in Developing Its Environmental R&D Plan?", Army RD&A Bulletin, March-April 1994.

-Water Quality Information Paper No.4, Recycle/Reuse of Wastewater, 27 October 1982.

-Water Quality Engineering Special Study No. 32-24-0180-79, Industrial Wastewater, Holston Army Ammunition Plant, Kingsport, Tennessee, 24 September 1979.

-Potable/Recreational Water Quality Survey No. 31-24-0163-79, Milan Army Ammunition Plant, Milan, Tennessee, 28 March 1979

-Water Quality Engineering Consultation No. 32-24-0130-79, Summer-Winter National Pollutant Discharge Elimination System Permit Limitations, Fort Campbell, Kentucky, 14 December 1978.

-Water Quality Engineering Consultation No. 240127-78, Seneca Army Depot, Romulus, New York, 29 September 1978.

-Water Quality Engineering Consultation No. 24-0048-78, Industrial Wastewater Treatment, Rock Island Arsenal, Illinois, January 1978.

-Environmental Impact Assessment for the Installation of Emergency Generator and Construction of 30-Day Underground Fuel Storage Facilities, Walter Reed Army Medical Center, Washington, DC, Project No. 24-1411-77, September 1977. (Document was authored by Mr. Kistner, although transmitted under the Director's signature).

-Annex B, Environmental Assessment of Ambient Air, Military Ocean Terminal, Bayonne, New Jersey, May 1977.

-Annex C, Environmental Assessment of Ambient Air, McGregor Range (New Mexico), Fort Bliss, Texas, July 1975.

Co-Authored.

- Kistner, S.L., et al., "Unitary Agents: A roadmap to Control Limits and Analytical Methods," Proceedings of the 16th Annual Army Environmental R&D Symposium, 1992.

-Water Quality Engineering Consultation No. 31-24-0137-79, Fort Lee, Virginia, 29 March 1979. Stephen L. Kistner and Joseph L. Carney. Mr. Carney provided microbiological input to this report while Mr. Kistner provided the engineering evaluation and wrote most of the report.

-Coordinated the writing of Environmental Impact Statement Data Reviews at 17 TRADOC and FORSCOM installations. Reports were multi-disciplined (air, water, solid waste, pesticides, noise, etc) efforts designed to identify data gaps in the information available to write ongoing mission environmental Impact statements. Work was accomplished between April 1977 and September 1978.

-Environmental Hazards for Activating Inactive Facilities (21-1418-77), January 1977. CPT Thomas Bedick and Stephen L. Kistner. CPT Bedick provided the air quality portion of this report (50%), while Mr. Kistner provided the water quality portion (50%).

-Air Pollution Engineering Special Study No. 99-041-75/76, Phosgene Measurement, Rocky Mountain Arsenal, Denver, Colorado, August 1976. Stephen L. Kistner and Kenneth G. Sexton. Mr. Kistner wrote the entire report, while Mr. Sexton was the principle technician utilized in performing the field study and reducing data.

-Air Pollution Special Study No. 21-005-75/76, Military Family Housing Project, Aliamanu Military Reservation, Oahu, Hawaii, October 1975. Stephen L. Kistner and William T. Coats. Mr. Kistner wrote the entire report while Mr. Coats was the principle technician utilized in performing the field study and reducing the data.

-Air Pollution Engineering Special Study No. 21-003-74/75, Management of Ambient Air Monitoring Networks, June 1975. Curtis A. Bond, Stephen L. Kistner, and Terry R. Deen. Mr. Bond and Mr. Kistner each contributed about 45% both in writing the document and in providing the actual supporting material. CPT Deen accomplished the considerable graphics associated with the document, or about 10%.

-Ambient Air Monitoring Networks Survey No. 21-031-72/74, October 1973. Curtis A. Bond and Stephen L. Kistner. Mr. Bond was responsible for approximately 70% of the report, while the remaining 30% was Mr. Kistner's responsibility.

-Evaluation of Data Processing Associated with Ambient Air Monitoring Networks, Survey No. 21-031-72/74, August 1973. Major Robert J. Murphy and Stephen L. Kistner. Major Murphy provided considerable guidance and supervision in the writing of the paper, while Mr. Kistner wrote the report.

Other.

- USACHPPM Technical Guide No. 218 - Detailed and General Facts About Chemical Agents, 1996.

- USACHPPM Corporate Training Plan, July 1995.

- Co-edited the Proceedings of a Conference entitled "Analytical Methods for Environmental Sampling of Chemical Warfare Agents and Their Degradation Products, ORNL/M-4315, June 1995.

- Co-edited USACHPPM Technical Guide No. 204 - Glossary of Terms for Chemical Agents and Chemical Defense Equipment, December 1994.

- USAEHA Career Development Guide - A Multidiscipline Approach to Employee Development (Scientists & Engineers), 1993.

-USAEHA SOP Number 200-1, Standing Operating Procedures, Conduct of Ambient Air Monitoring Surveys, November 1976. Although internal document, Mr. Kistner was the lead project officer for putting this document together. While various personnel from the Division contributed 35% of the material included in the SOP, Mr. Kistner provided the remaining 65%.

(FOR LFMS USE)
INFORMATION FROM LTS

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: PROGRAM CODE: 22150
: STATUS CODE: 0
: FEE CATEGORY: EX 10
: EXP. DATE: 20040930
: FEE COMMENTS:
: DECOM FIN ASSUR REQD: Y
: .....
: .....

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A. REGION

APPLICANT/LICENSEE: ARMY, DEPARTMENT OF THE
RECEIVED DATE: 961203
DOCKET NO: 7000867
CONTROL NO.: 123980
LICENSE NO.: SNM-860
ACTION TYPE: AMENDMENT

AMOUNT: _____
CHECK NO.: _____

Reference 123978 and
123979

SIGNED K. J. Brown
DATE 12/13/96

1. FEE CATEGORY AND AMOUNT: _____

AMENDMENT	-----
RENEWAL	-----
LICENSE	-----

SIGNED _____
DATE _____