



STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY

1035 OUTER PARK DRIVE
SPRINGFIELD 62704
(217) 546-8100

TERRY R. LASH
DIRECTOR

September 17, 1985

Dr. Bruce Mallett
NRC Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

re: Radioactive Material License Number 12-20084-01

Dear Dr. Mallett:

The Illinois Department of Nuclear Safety hereby requests that the above referenced license be amended as follows:

1. Add the following persons to Item 12.A. as authorized users of radioactive material - Sheryl Soderdahl, George Mosho, George Merrihew and Andrew Gulczynski. Resume's for these persons are attached.
2. Delete Kenneth Barat as an authorized radioisotope user.
3. Reflect the legal name change of Patricia A. Bostick to Patricia A. Chepulis.
4. Amend Item 12.C. to list Sheryl Soderdahl as Radiation Safety Officer.
5. Amend the authorized location for our radiochemistry laboratory to include our proposed new location at 1035 Outer Park Drive, Springfield, Illinois. Diagrams of the proposed laboratory area are enclosed. We plan to move our laboratory facilities to the new area in January, 1986. The lab facilities will be located on the first floor of the building. The wet lab area will have two fume hoods -

8602240520 851217
REG3 LIC30 PDR
12-20084-01

RECEIVED BY LFMD	
Date	SEP 23 1985
Log	9/23/85
By	[Signature]
Orig. To	[Signature]
Action Compl.	[Signature]

RECEIVED

SEP 19 1985

REGION III

CONTROL NO. 79786

EX 120.11(a)(9)
FEE EXEMPT

SEP 19 1985

U.S. N.R.C.
FEE MIGHT BRANCH

85 SEP 23 AM 1:56

RECEIVED

one specifically for use with radioisotopes and the other for work with acids. Each fume hood will have a face velocity of between 100 and 125 lfm (contract specifications for these new units - hood face measurements = 8 ft x 4 ft - air draw = 3200 cfm minimum) and will be vented to the roof of the building. The radioisotope hood will be equipped with charcoal and HEPA pre-filters. Both the wet lab and the counting room will have ventilation and heating separate from the rest of the building.

Close-out surveys of the 134 North Ninth Street facility will be performed by IDNS radiation safety staff. Results of these surveys will be maintained for inspection in the radiation safety office.

Thank you for your consideration. If further information is required to process this amendment request, please call our office at (217) 546-8100.

Sincerely,

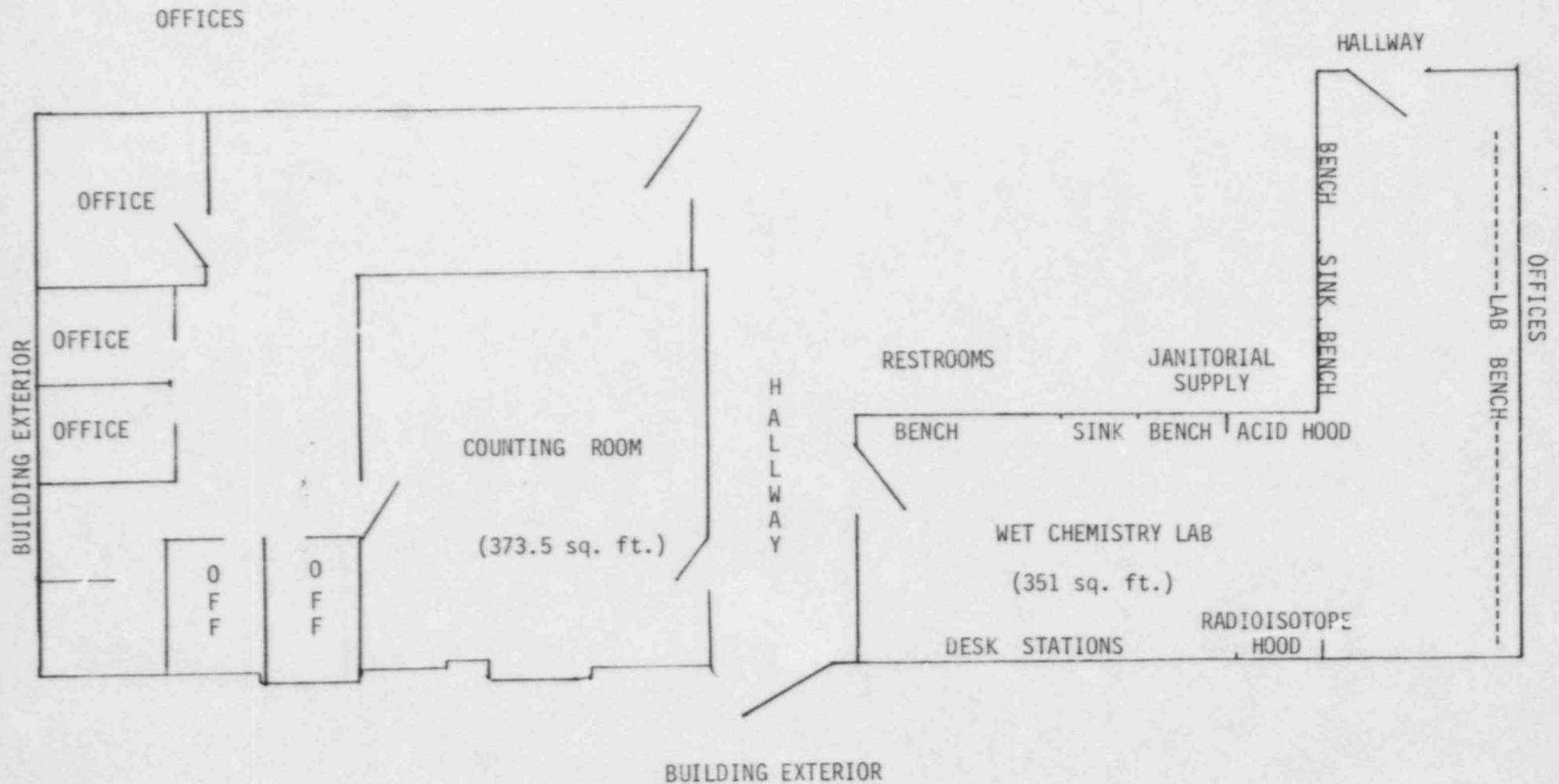
Paul D. Eastvold

Paul D. Eastvold
Radiation Safety Officer

SS

cc: license file

Proposed Department of Nuclear Safety
Radiochemistry Laboratory Floor Plan
first floor - 1035 Outer Park Dr.
Springfield, Illinois



CURRICULUM VITAE

SHERYL SODERDAHL

Head, Support Services
Division of Nuclear Materials
(Health Physicist IV)

EDUCATION: B.S. - Purdue University (1980)
- Health Physics

ADDITIONAL
TRAINING: U.S. Nuclear Regulatory Commission, Office of State Programs,
State Agreements Program, "Inspection Procedures." Atlanta,
Georgia, June 24 - 28, 1985.

University of Massachusetts, Department of Public Health,
"Environmental Health Practices." Amherst, Massachusetts,
September - December, 1982.

PROFESSIONAL
EXPERIENCE: 1985 - Present Illinois Department of Nuclear Safety

1980 - 1985 University of Massachusetts, Department of
Environmental Health and Safety, Amherst,
Massachusetts, Staff Health Physicist

1979 Fermi National Accelerator Laboratory,
Batavia, Illinois, Laboratory Assistant to
Radiation Safety Officer, Proton Department.

PROFESSIONAL
ASSOCIATIONS: Health Physics Society
Plenary Member

Greater St. Louis Chapter, Health Physics Society
Member

Conference of Radiation Control Program Directors, Inc.
Associate Member

Curriculum Vitae - Sheryl Soderdahl

Radioactive Material Experience:

<u>Isotopes Used</u>	<u>Approximate Amount</u>
H-3	2 Ci
C-14	5 mCi
Na-22	5 mCi
P-32	5 mCi
S-35	25 mCi
Ca-45	10 mCi
Cr-51	5 mCi
Fe-55	5 mCi
Co-60	1000 Ci
Ni-63	5 mCi
Rb-86	100 uCi
Sr-90	20 mCi
Ru-106	100 uCi
Cd-109	5 mCi
In-111	5 mCi
I-125	20 mCi
I-129	200 uCi
Cs-137	400 Ci
Ra-226	100 mCi
Am-241	100 mCi

GEORGE D. MOSHO

303 Oak Street
Irwin, PA 15642-3557
(412) 864-1869

OBJECTIVE: Entry Level Position in Personnel and Environmental Monitoring
in a Radiation Health Department

PROFESSIONAL EXPERIENCE AND SKILLS

Management	Commanded a Reinforced Combat Engineer Company of 180 Marines in Pisgah National Forest, N.C. Directed a Marine Aircraft Wing Information Systems Management Office in Okinawa, Japan Supervised Support Services for amphibious operations in the Mediterranean
Administration	Coordinated and provided personnel and unit records and correspondence for a Marine Division of 800 men Controlled Top Secret material and performed highly sensitive operations for a Marine Command while at sea
Project Planning and Implementation	Transposed a Marine Corps UNIVAC Computer from Okinawa, Japan to Subic Bay, Philippines Constructed fire breaks and rescue helicopter landing zones, and repaired forest roads for the U.S. Department of the Interior in Pisgah National Forest, N.C.
Training	Developed military training programs for Nuclear, Biological and Chemical (NBC) Warfare, and Combat Engineering skills Instructed young adults in National Rifle Association. Pennsylvania Hunter Safety Courses
Cost Analysis	Conducted time studies (motion analysis) on electrical switchgear components and incorporated new procedures for higher productivity in a Westinghouse Product Development Laboratory

CONTROL No. 79786

Research Participated in a U.S. Department of Energy-sponsored project monitoring Radon and Radon Daughters in the Canonsburg, PA area

Studying the radionuclide profile of Western Pennsylvania soils by Gamma Spectrometry (Master's Thesis)

Computer Languages Fortran IV, Watt V, Mark IV, Basic

Clearance Top Secret (by DIS, Feb. 15, 1980)

WORK HISTORY

1983-1984 Graduate School
1983-1984 Radon Project -- University of Pittsburgh/U.S. Department of Energy
1981-1982 Industrial Engineer -- Westinghouse Electric Corporation, East Pittsburgh, PA
1977-1981 Captain -- United States Marine Corps (Honorable Discharge)

EDUCATION

M.S., Radiation Health -- The University of Pittsburgh (Dec. 1984)
B.S., Physics -- The Citadel (1977)
Certificate, Industrial Engineering -- Westinghouse (1981)

AFFILIATIONS

Health Physics Society
American Physical Society
Association of Citadel Men

PERSONAL DATA

Born 1955. Married. No children. Excellent health. 5'10" 175 lbs.
Desire to relocate. Willing to travel.

References available on request

Andrew S. Gulczynski
4120 Twilight Drive
Apartment 204
Topeka, Kansas 66614

Telephone: (913) 273-6251 (Home)
(913) 862-9360 (Office)

OBJECTIVE

Pursuing a challenging career in health physics

EXPERIENCE

Kansas Department of Health and Environment
Bureau of Radiation Control
Materials Licensing and Control Section
Forbes Field, Building 321
Topeka, Kansas 66620

(October 1982 - Present)

I am presently employed as a Radiation Control Inspector by the State of Kansas, a Nuclear Regulatory Commission Agreement State.

Responsibilities include:

- Review of Radioactive Material License Applications with respect to health and safety considerations, compliance with State Regulations, and compatibility with USNRC Licensing Guides
- Upon satisfactory application, writing licenses for the possession and use of radioactive materials in the State of Kansas
- Inspection of Licensees to determine compliance with license conditions and regulations, offering recommendations to ensure exposures as low as reasonably achievable, and performing enforcement procedures
- Performing as a member of the Radiological Emergency Response Team
- Survey instrument calibration and equipment maintenance

Argonne National Laboratory
Division of Biological and Medical Research
9700 South Cass Avenue
Argonne, Illinois 60439

(September 1981 - May 1982)

I have completed two consecutive Student Research Appointments with the research group investigating the biological effects of extremely low frequency (ELF) high voltage electromagnetic radiation.

Responsibilities included:

- Data processing and analysis, including a variety of statistical analyses of various physiological and metabolic parameters
- Programming, operation and maintenance of three separate computer controlled exposure facilities
- Animal surgery, specifically, the intraperitoneal implantation of core body temperature telemetry devices

- Electric field mapping to determine the extent of field attenuation due to variables
- Necropsy of animals after long term exposure to ELF radiation
- Attendance of professional seminars

Northeastern Illinois University
Purchasing Department
5500 North St. Louis Avenue
Chicago, Illinois 60625

(January 1977 - August 1981)

I have held a variety of positions in Northeastern's Purchasing Department. My last position was supervisor of a department supplying the university with commodities, equipment and services. During my employment I have developed and instituted an equipment replacement program for the university.

EDUCATION

Medical Uses of Radionuclides For State Regulatory Personnel
USNRC sponsored training course
Oak Ridge, Tennessee
June 25 - June 29, 1984

Safety Aspects of Industrial Radiography For State Regulatory Personnel
USNRC sponsored training course
Baton Rouge, Louisiana
August 22 - August 26, 1983

Inspection Procedures For State Regulatory Personnel
USNRC sponsored training course
Atlanta, Georgia
August 1 - August 5, 1983

Radiological Emergency Response Operations
FEMA sponsored training course
Mercury, Nevada
March 22 - April 2, 1983

Northeastern Illinois University
Chicago, Illinois
September 1976 - August 1981

Degree: Bachelor of Science
Major: Biology, specializing in radiation biology
Grade Point Average: 4.27/5.00 overall
5.00/5.00 radiation biology
Graduated with honors

Weber High School
Chicago, Illinois
September 1972 - May 1976
Graduated with honors

PROFESSIONAL SOCIETY MEMBERSHIPS

Conference of Radiation Control Program Directors

Associate member

1984 - Present

Health Physics Society

Plenary member

1983 - Present

Health Physics Society

Mid America Chapter

Plenary member

1982 - Present

PERSONAL DATA

Date of Birth: May 16, 1958

Sex: Male

Marital Status: Single

Health: Excellent

Availability: Within thirty days of notification

PROFESSIONAL REFERENCES

Available upon request

CURRICULUM VITAE

GEORGE E. MERRIHEW

Division of Nuclear Materials Licensing
(Health Physicist)

EDUCATION:

- M.A. - Sangamon State University (1972)
 - Biology/Psychology
- B.A. - Sangamon State University (1971)
 - Biology/Psychology
- A.A. - Springfield College in Illinois (1969)
 - General Science

ADDITIONAL
TRAINING

U.S. Department of Energy, "Radioactive Material Training Course: Hazardous Material Regulations of the United States Department of Transportation, Chicago, Illinois; August 19-22, 1985.

U.S. Nuclear Regulatory Commission, Office of State Programs, State Agreements Program, "Safety Aspects of Industrial Radiography." Baton Rouge, Louisiana, April 29-May 3, 1985.

U.S. Nuclear Regulatory Commission, Office of State Programs, State Agreements Program, "Introduction to Licensing Practices and Procedures." Bethesda, Maryland, September 24-28, 1984.

U.S. Nuclear Regulatory Commission, Office of State Programs, State Agreements Program, "Inspection Procedures." Atlanta, Georgia, July 23-27, 1984.

U.S. Nuclear Regulatory Commission, Manpower Education, Research, and Training Division, Oak Ridge Associates Universities, "Health Physics and Radiation Protection." Oak Ridge, Tennessee, February-March, 1984.

Rockwell International, Energy Systems Group, "Radiation Protection Technology." November 1983.

TRAINING
(Continued)

U.S. Nuclear Regulatory Commission, "Seminar on the Transportation of Nuclear Materials." Springfield, Illinois, October 24-25, 1983.

State of Illinois, Data Processing Training Center. "ANS Cobol Course," June 1980; "Basic Systems Analysis," February 1980; "General Introduction to Statistical Package for the Social Sciences," August 1979; "DP Concepts Course," August 1979; "IMS environment Course," May 1979; "Easytrieve/IMS Class," March 1979; "Basics in Easytrieve," February 1977; Springfield, Illinois.

State Of Illinois, Department of Personnel, "Executive Development Academy," April 1981, Monticello, Illinois.

U.S. Environmental Protection Agency, "Air Pollution Control Orientation" course, 1978.

U.S. Health, Education and Welfare, Center for Disease Control, "Community Hygiene" course, Atlanta, Georgia, 1978.

University of Illinois, School of Clinical Medicine, Peoria, Illinois, 1974.

University of Illinois, School of Basic Medical Sciences, Urbana, Illinois, 1973

PROFESSIONAL
EXPERIENCE:

1983 - Present	Illinois Department of Nuclear Safety
1974 - 1983	Illinois Department of Public Health Division of Engineering
1971 - 1972	Sangamon State University, Springfield Illinois, Department of Biology Graduate Assistant
1965 - 1967	Memorial Medical Center, Springfield Illinois, Clinical Laboratory

PROFESSIONAL
ASSOCIATIONS

Health Physics Society, National Chapter, Plenary Member,
1984

Conference of Radiation Control Program Directors, Inc.,
Associate Member, 1984

National Environmental Health Association, Member
Environmental Management Committee, 1979.