

MATERIALS LICENSE

Amendment No. 20

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.

OFFICIAL RECORD COPY

Licensee

1. Environmental Protection Agency
Environmental Research Laboratory
2. 27 Tarzwell Drive
Narragansett, Rhode Island 02882

In accordance with the letter dated
August 8, 1996,

3. License Number 38-11957-01 is amended in
its entirety to read as follows:

4. Expiration Date October 31, 2003

5. Docket or
Reference No. 030-06356

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. Any byproduct material with
Atomic Numbers 1 through 83

- A. Any

- A. Not to exceed 1
millicurie per
radionuclide and
1 millicurie total

- B. Hydrogen 3

- B. Any

- B. 50 millicuries

- C. Carbon 14

- C. Any

- C. 50 millicuries

- D. Sulfur 35

- D. Any

- D. 50 millicuries

- E. Nickel 63

- E. Foils or plated sources
in electron capture
detector cells

- E. Not to exceed 15
millicuries per source
and 150 millicuries total

9. Authorized use

- A. through D. Research and development as defined in 10 CFR 30.4; animal studies.

- E. In electron capture detector cells which are distributed under a specific license
issued by the U.S. Nuclear Regulatory Commission or any Agreement State.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities at 27 Tarzwell Drive,
Narragansett, Rhode Island.

- A. Licensed material shall be used by, or under the supervision of
individuals designated in writing by the Radiation Safety Committee,
Richard L. Lapan, Jr., Chairperson.

- B. The Radiation Safety Officer for this license is Richard L. Lapan, Jr.

12. In addition to the possession limits in Item 8, the licensee shall further restrict
the possession of licensed material to quantities below the minimum limit specified
in 10 CFR 30.35(d), 40.36(b), and 70.25(d) for establishing financial assurance for
decommissioning.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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13. Licensed material shall not be used in or on human beings.
14. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license.
15. Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption.
16. 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.
17. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
18. Maintenance, repair, cleaning, replacement, and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.
19. 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.
20.
 - A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 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 3 months.
 - C. In the absence of a certificate from a transferor indicating that a 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 gas; or
 - (iii) the half-life of the isotope is 30 days or less; or

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- (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. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. 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 shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 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 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.
21. This license does not authorize commercial distribution of licensed material.
22. The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal in ordinary trash, provided:
- A. Waste to be disposed of in this manner shall be held for decay a minimum of ten half-lives.
 - B. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
 - C. A record of each such disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

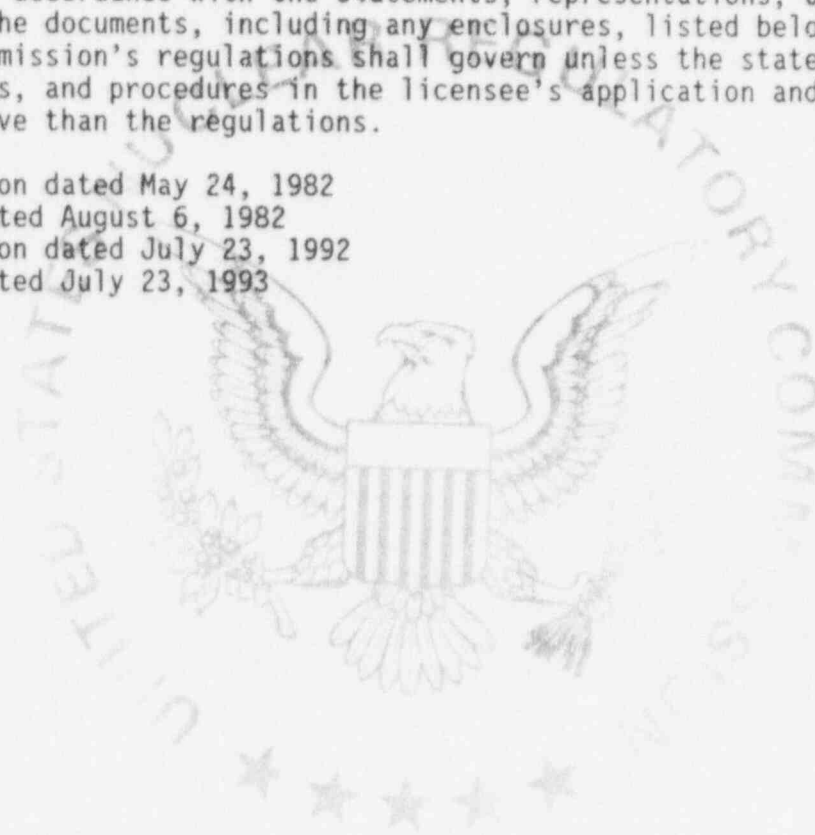
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23. Radioactive waste generated under this license shall be stored in accordance with the statements, representations, and procedures included with the licensee's waste storage plan described in the licensee's letter dated July 23, 1993.
24. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
25. 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 May 24, 1982
 - B. Letter dated August 6, 1982
 - C. Application dated July 23, 1992
 - D. Letter dated July 23, 1993



For the U.S. Nuclear Regulatory Commission

Original Signed By:

Pamela J. Henderson

Date

OCT 24 1996

By

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

OCT 24 1996

License No. 38-11957-01
Docket No. 030-06356
Control No. 123568

Norman I. Rubinstein
Acting Director
Environmental Research Laboratory
Environmental Protection Agency
27 Tarzwell Drive
Warragansett, RI 02882

Dear Mr. Rubinstein:

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 30.36, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. The new expiration date is stated in Item 4 of the license.

Your amended license (Amendment No. 20) is written in a format that incorporates current regulatory requirements and NRC policy. It includes the following additions/revisions/deletions of certain conditions that appeared in Amendment No. 19 of your license:

1. Condition 12 is replaced by two new conditions 13 and 14.
2. New Condition 12 is added. This condition limits the amounts of byproduct materials with a physical half-life of more than 120 days, that you may possess at any time. This condition is added to your amended license because you did not submit financial assurance to cover the cost of decommissioning of your facilities as required by 10 CFR 30.35. Should you find these possession limits to be inadequate, it will be necessary for you to submit financial assurance in accordance with 10 CFR 30.35, before higher possession limits could be authorized.
3. New Conditions 16, 18, and 21 are added to incorporate the current NRC policy.
4. New Conditions 15, 19, and 22 respectively, are the revised versions of Conditions 13, 16 and 19. Condition 22 authorizes you to hold radioactive material with a physical half-life of less than or equal to 120 days for decay in storage.
5. Condition 17 is deleted. This condition is no longer necessary because of the changes in 10 CFR Part 20.

N. Rubinstein
Environmental Research Lab.

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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.

Thank you for your cooperation.

Sincerely,

Original Signed By:
Pamela J. Henderson



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

License No. 38-11957-01
Docket No. 030-06356
Control No. 123568

Enclosure:
Amendment No. 20

DOCUMENT NAME: R:\WPS\MLTR\L3811957.01

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OFFICE	DNMS/RI	<input checked="" type="checkbox"/> N	DNMS/RI	<input checked="" type="checkbox"/> N			
NAME	SLodhi	<input checked="" type="checkbox"/>	JKinneman	<input checked="" type="checkbox"/>			
DATE	10/24/96	<input checked="" type="checkbox"/>	10/24/96	<input checked="" type="checkbox"/>	10/ /96	10/ /96	

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
NATIONAL HEALTH AND ENVIRONMENTAL EFFECTS
RESEARCH LABORATORY
ATLANTIC ECOLOGY DIVISION
27 TARZWELL DRIVE NARRAGANSETT, RI 02882

MS-16
Q2

OFFICE OF
RESEARCH AND DEVELOPMENT

October 9, 1996

License No. 38-11957-01
Docket No. 030-06356
Control No. 123568

John D. Kinneman, Chief
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety
US Nuclear Regulatory Commission, Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

Dear Mr. Kinneman:

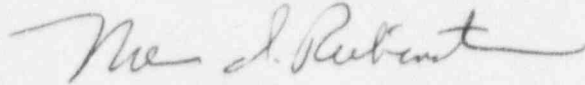
This letter is written in response to your September 18, 1996 letter requesting information on the training, experience and general qualifications of Richard A. Lapan, Jr. to serve as our Radiation Safety Officer. The four areas of formal training you mention were thoroughly covered during the 40 hour Radiation Safety Officer course completed by Mr. Lapan during the week of September 2-13, 1996. Copies of the training certificate and course outline are attached.

Additionally, Mr. Lapan has handled a number of isotopes in the course of his work as a chemist performing neutron activation analyses at our neighboring RI Nuclear Science Center. He has experience handling both long and short-lived radioisotopes including small quantities of ^{22}Na , ^{32}P , ^{35}S , and ^{57}Co . Irradiated environmental samples contained a myriad of additional trace isotopes.

As the Laboratory's Safety, Health and Environmental Management Program Manager for the last ten years, Mr. Lapan has had overall responsibility for review and approval of safety plans for projects involving the use of radionuclides, the management of our low level radioactive wastes, and has helped review specific projects using radiotracers, primarily ^3H and ^{14}C . He has assisted our Radiation Safety Officer and researchers with transfer of μCi and mCi levels of compounds and wastes and coordinated wipe surveys of restricted areas. He has also directed wipe tests of the Laboratory's sealed sources. Mr. Lapan has been subject to EPA's internal audits (safety and environmental) and shared responsibility for remediation of findings dealing with NRC regulations with our RSO.

Mr. Lapan's résumé is enclosed to provide a broad outline of his experience and training. If you have further questions regarding his candidacy for Radiation Safety Officer, please feel free to call me at 401-782-3001. Thank you.

Sincerely,

A handwritten signature in cursive script, appearing to read "Norman I. Rubinstein".

Norman I. Rubinstein, Director (Acting)

Enclosures

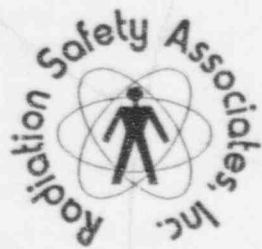
CERTIFICATE OF ACHIEVEMENT

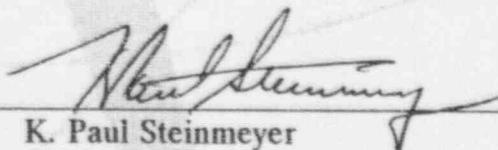
This is to Certify that

RICHARD L. LAPAN, JR.

Has Completed 40 Hours of
Radiation Safety Officer Training

September 9-13, 1996




K. Paul Steinmeyer
Radiation Safety Associates, Inc.

CERTIFICATE OF ACHIEVEMENT

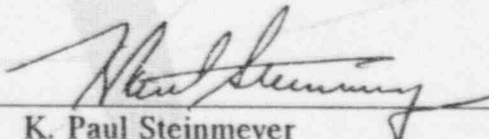
This is to Certify that

RICHARD L. LAPAN, JR.

Has Completed 40 Hours of
Radiation Safety Officer Training

September 9-13, 1996




K. Paul Steinmeyer
Radiation Safety Associates, Inc.

RADIATION SAFETY TRAINING

Course Outline

Prerequisite: None

1. THE ATOM

Atomic Structure
Elements
Isotopes

2. TYPES OF RADIATION

Radiation
Alpha Particles
Beta Particles
Gamma and X-rays
Neutrons
Units of Radiation Energy

3. RADIOACTIVITY AND DECAY

Radioactivity
Decay
Half-life: the rate of radioactive decay
Decay constant
Decay Equation
Conservation of Mass, Charge, and Energy
Methods Of Radioactive Decay
Alpha decay
Beta decay
Beta minus
Positrons
Gamma rays
X rays
Isomeric transition
Internal conversion
Auger electrons
Electron capture
Chart of the Nuclides
Decay Data Tables
Radioactive Series

4. UNITS OF MEASURE

Radioactivity

The curie
Subunits of the curie

Radiation

Radiation exposure vs. radiation dose
Radiation exposure: the roentgen
Absorbed dose: the rad
Dose equivalent: the rem
Dose and dose rate
Determination of dose and dose rate
Source Activity Vs. Gamma Exposure Rate
cpm Vs. dpm
Specific Activity
SI Units

5. RADIATION INTERACTIONS WITH MATTER

Charged Particle Interactions
Ionization
Excitation
Bremsstrahlung
Photons
Photoelectric effect
Compton scattering
Pair production
Neutron Interactions
Fast/slow neutron interactions

6. BACKGROUND RADIATION

Introduction
Cosmic Radiation
Radioactivity of the Earth
Radioactivity Of Air
Radioactivity Of Water
Radioactivity in the Human Body

Artificial (Manmade) Radioactivity

- Medical and dental exposures
- Nuclear reactors
- Transportation
- Low level waste storage
- Nuclear reactor accidents

Summary

7. APPLICATIONS

X Ray Machines

- Production
- Filtering

Other Industrial Sources

- Isotopic neutron sources
- Oil well logging
- Level and density gauges

8. BIOLOGICAL EFFECTS

Introduction

Cell Damage

Acute And Delayed Effects

Somatic And Genetic Effects

Linear Or Threshold

Stochastic And Nonstochastic Effects

Summary

9. PERSONAL DOSIMETRY

Dose Limits

Definitions

10 CFR 20 occupational dose limits

Pregnant workers

Minors

Non-radiation workers

Violations

ALARA

Personal Dosimetry

Badge placement

Film badge

Thermoluminescent dosimeter (TLD)

Pocket ion chambers

Chirpers and alarming dosimeters

Neutron dosimeters

Control badges

Regulatory Guide 8.13

10. RADIATION DETECTION AND MEASUREMENT

Gas-filled Detectors

Pulse size considerations

Ionization chambers

Proportional counters

Limited proportionality region

Geiger-Müller (GM)

Continuous discharge region

Solid State Detectors

Scintillation detectors

Semiconductor detectors

Detector Applications

Portable survey meters

Calibration programs

Laboratory instruments

Portal monitors

Personnel contamination monitors

Whole body counters

Basic Radiation Spectroscopy

Spectrometer

Single and multi-channel analyzers

11. NOT TO BE COVERED

12. EXTERNAL EXPOSURE CONTROL AND SURVEYS

ALARA

10 CFR 20

Current ALARA-related regulatory guides

Radiation Exposure Control

Time

Distance

Shielding

Administrative Controls

Radiation work permits

Access Control

10 CFR 20

Posting and Control

10 CFR 20

Surveys

10 CFR 20

Survey Form Contents

Regulatory Guide 8.21

13. DISTANCE AND SHIELDING

Distance

Point sources

Line sources

Plane sources

Shielding

Beta

Gamma

Neutron

14. CONTAMINATION CONTROL

Radiation Vs. Contamination

Survey Methods

Loose contamination

Total contamination

Wipe Test Evaluation

Statistical Considerations in a Counting Program

Accuracy and precision

Normal probability distribution

Standard deviation

Confidence levels

Minimum detectable count rate (MDCR)

Minimum detectable activity (MDA)

Changing the MDA

Survey Frequency And Limits

Protective Clothing

Self-Frisk

Personnel Decontamination

Skin Dose Assessment

Skin dose calculation

Documentation

Survey Documentation

Posting and Control of Contaminated Areas

Equipment And Area Decontamination

15. - NOT TO BE COVERED -

16. - NOT TO BE COVERED -

17. SOURCE HANDLING TECHNIQUES/RADIOACTIVE MATERIAL CONTROL AND DISPOSAL

Definitions

Sealed source

Source material

Special nuclear material

Regulations And Procedures

10 CFR 20

10 CFR 30

10 CFR 40

10 CFR 70/74

Exempt vs. Nonexempt Quantities of

Radioactive Material

Responsibilities

Use And Precautions

Labeling

Master Index

Leak Testing

Storage Limitations

Disposal

Receiving Packages

Container Labels

Exemptions From Labeling Requirements

Disposal Of Empty Radioactive Material

Containers

Storage And Control

Posting

Exceptions From Posting Requirements

Loss or Theft of Licensed Material

Industry Events

Radioactive Waste - Definition

Radwaste Minimization

Radwaste Treatment

Storage for decay

Evaporation

Dilution and release

Filtration and deionization

Incineration

Compaction

Solidification

Waste Disposal

Disposal facilities

Packaging

Physical form

Strong tight containers

Type A containers

Type B containers

Warning labels on packages

Contamination limits on packages

Radiation limits during transport

Vehicle placarding

Other methods

Source Handling Incidents

NRC Information Notice 88-32

NRC Information Notice 90-35

18. LICENSE REQUIREMENTS AND THE RADIATION PROTECTION PROGRAM

Notice Of Expiration

Application-NRC Form 313

Radiation Protection Program

ALARA

Procedures

Training

Document Posting

Surveys

Legal Aspects

Procedural Compliance

Fundamentals of excellence

Pitfalls

Ways for Health Physicists to Minimize the
Chances of Being Sued

19. EMERGENCY PLANNING

Introduction

The Emergency Plan

Emergency Response Organization

Characterization of Installation and Facilities

Licensed Activities

Emergency Plan Implementation

Response Actions

Assessment Actions

Protective Actions

Corrective Actions

Facilities And Equipment

Offsite Agreements And Support

Re-entry And Recovery

Maintaining Emergency Preparedness

Notifications

20. AUDITS

Introduction

In-House Audits

Who Should Audit?

What Should Be Audited?

Performing An Audit

Audit Preparation

Audit Performance

Audit Follow-Up

Suggested Audit Finding Format

Closing Out Previous Audits

Dealing With Findings

Handling A Regulatory Audit

Other Regulatory Action

General Comments

Richard L. Lapan, Jr.

(W) 401-782-3009
lapan.richard@epamail.epa.gov

EMPLOYMENT

1970 to present: U.S. Environmental Protection Agency, NHEERL, Atlantic Ecology Division
27 Tarzwell Drive, Narragansett, RI 02882

Research Support Management - 1986 to present

Safety, Health and Environmental Management Program Manager - 1986 to present

Direct the Laboratory's Safety, Health and Environmental Management Program as a Federal facility conforming with all federal, Rhode Island, and local statutes, regulations, permits and reporting requirements. Develop, organize, manage and evaluate the occupational health and safety and medical monitoring programs. Evaluate building and infrastructure conditions and recommend, prioritize and budget facility improvements. Advise the Laboratory Director on matters of environmental compliance and health and safety and liaise with EPA headquarters and the regional Field Federal Safety and Health Council. Organize and advise Safety, Health and Environmental Management Committee and draft standard operating procedures related to federal staff and contractor safety, health and environmental compliance. Manage employee and community right to know programs. Manage aggressive waste minimization and recycling programs. Direct safe handling and disposal of hazardous waste per RCRA, TSCA, OSHA and DOT statutes as well as low-level radioactive wastes in accordance with NRC regulations. Supervise research support personnel under contract.

Technical Information Manager - 1986 to 1992

Supervised and coordinated dissemination of laboratory published and non-published technical products and information. Drafted letters, memoranda, reports and briefings for Laboratory Director and senior management to EPA headquarters. Represented Laboratory management at various State meetings on water pollution policy and abatement. Coordinated responses to Freedom of Information Act requests. Supervised library personnel.

Analytical Chemistry - 1970 to 1986

Performed ultra-trace metal analyses and trace organic analyses of marine biota, sediments, and waters. Developed and used a variety of neutron activation analytical techniques for marine biogeochemistry. Interpreted, authored and presented research findings through technical papers, Agency reports and seminars. Organized and conducted training workshops in use of analytical instruments. Designed, constructed and maintained Class 100, metal-free clean rooms. Developed and supervised sample preparation and collection techniques.

EDUCATION

B.S. Geology, 1972, University of Rhode Island (emphasis on geochemistry)
(Includes work at Rensselaer Polytechnic Institute and Indiana University.)

Recent Continuing Education

Scientific and Technical Writing
Contract Administration
Asbestos Management in Buildings
Introduction to Fire Safety
Hazardous Chemical Safety
Safe Handling of Chemical Carcinogens
Laboratory Safety Management
Economics of Marine Resources
Environmental Compliance Workshops
Life Safety Code & Basic Fire Protection
Property Management
Hazardous Waste Regulatory Compliance (annual)
Advanced Leadership Skills ("Wood Badge")
Lab Waste Management-train the trainer
Understanding Supervision
Hazardous Waste Reduction Workshop
OSHA Lab Occupational Exposure
Federal Facility Safety Management
Safety and Health Decision-Making for Managers
Radiation Safety Officer

Source

University of Rhode Island
Environmental Protection Agency
Georgia Tech Research Institute
North Shore Community College
J T Baker Chemical Co.
University of Oklahoma
American Chemical Society
University of Rhode Island
Environmental Protection Agency
National Fire Protection Association
Environmental Protection Agency
GZA Environmental Services
Boy Scouts of America
Environmental Protection Agency
Environmental Protection Agency
Assn. for Quality and Participation
Pathfinder Associates
OSHA Training Institute
OSHA Training Institute
Radiation Safety Associates

COMMUNITY ACTIVITIES & RELEVANT EXPERIENCE

Chair volunteer Boy Scout Exploring Committee responsible for developing and promoting policies, programs, and budgets for statewide coed youth (ages 14-21) program. Also active in the Boy Scout movement in developing and coordinating the training of diverse groups of adult leaders.

Planned and directed major EPA Laboratory open houses in 1990, 1986, and 1977 and represented the Laboratory and US EPA through marine educational exhibits, tours, school career awareness programs, and speaking before professional and civic organizations.

Served as energy auditor and public presenter for the University of Rhode Island Cooperative Extension Service, Home Energy Awareness Program (US Dept. of Agriculture sponsored).

PERSONAL

US EPA Bronze Medal recipient, 1990, 1996
US EPA Tributes of Appreciation, 1989, 1990 and 1993
US EPA Quality Step Increases 1991, 1993, 1994
US EPA Sustained Superior Performance Award 1992, 1995

Member, American Chemical Society. Member, National Fire Protection Association.

Proficient or capable in several computer languages and programs.

Member of Executive Board, Narragansett Council, Boy Scouts of America. Member of executive board of the National Eagle Scout Association, Narragansett Council Chapter. Former Camping Chairman for local camping facilities serving over 6000 Scouts in the New England/New York region. Former Council Advancement Committee Chair. Member US EPA/BSA 1989, 1993 and 1997 National Jamboree Executive Committee.

SEP 18 1996

License No. 38-11957-01
Docket No. 030-06356
Control No. 123568

Norman I. Rubinstein, Director
Environmental Research Laboratory
Environmental Protection Agency
27 Tarzwell Drive
Narragansett, RI 02882

Dear Mr. Rubinstein:

This is in reference to your letter dated August 8, 1996, requesting to name Mr. Richard L. Lapan, Jr., as the Radiation Safety Officer on your NRC license. Please describe this individual's formal training in the following areas:

- a. principles and practices of radiation protection;
- b. radioactivity measurements standardization and monitoring techniques and instruments;
- c. mathematics and calculations basic to the use and measurement of radioactivity; and
- d. biological effects of radiation.

In addition, describe the specific isotopes the individual has handled, the maximum quantities of materials handled, where the experience was gained, the duration of the experience and the type of use.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I Office and refer to Mail Control No. 123568. If you have any technical questions regarding this deficiency letter, please call

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ML 10

N. Rubinstein
Environmental Research Lab

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Dr. Sattar Lodhi at (610) 337-5364. If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application.

Sincerely,

Original Signed By:
John D. Kinneman

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

License No. 38-11957-01
Docket No. 030-06356
Control No. 123568

DOCUMENT NAME: R:\WPS\DLTR\L3811957.01

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OFFICE	DNMS/RI	N	DNMS/RI				
NAME	SLodhi		JKinneman				
DATE	09/13/96		09/13/96	09/	/96	09/	/96

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
NATIONAL HEALTH AND ENVIRONMENTAL EFFECTS
RESEARCH LABORATORY
ATLANTIC ECOLOGY DIVISION
27 TARZWELL DRIVE • NARRAGANSETT, RI 02882

030-06356

August 8, 1996

OFFICE OF
RESEARCH AND DEVELOPMENT

Mr. John D. Kinneman, Chief
Nuclear Material Safety Branch 2
Division of Nuclear Materials Safety
US Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

RE: License No. 38-11957-01, Change of Designated Radiation Safety Officer

Dear Mr. Kinneman:

I am writing to inform you of a change of Radiation Safety Officer for our facility. As you know, Dr. Earl W. Davey has served us long and well but wishes to terminate this collateral duty. Our management team has made the logical decision to place this important task in the hands of our able-bodied Safety, Health and Environmental Manager, Richard L. Lapan, Jr.. Mr. Lapan will be completing a 5 day Radiation Safety Officer course with Radiation Safety Associates on September 13, 1996. Please note that this change of RSO will become effective October 1, 1996.

If you have any questions regarding this change of Radiation Safety Officer, please do not hesitate to call me at 401-782-3001.

Sincerely,

Norman I. Rubinstein, Director (Acting)

cc: Lawrence Reiter, Director NHEERL
Earl Davey
Richard Lapan

OFFICIAL RECORD COPY

ML 10

123568

AUG 13 1996

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LYS

PROGRAM CODE: 03620
STATUS CODE: 0
FEE CATEGORY: EX 3M
EXP. DATE: 20031031
FEE COMMENTS: -----
DECOM FIN ASSUR REQD: N
.....

LICENSE FEE TRANSMITTAL

A. REGION 1

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: ENVIRONMENTAL PROTECTION AGENCY
RECEIVED DATE: 960816
DOCKET NO: 3006356
CONTROL NO.: 123568
LICENSE NO.: 38-11957-01
ACTION TYPE: AMENDMENT

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

3. COMMENTS

SIGNED Rachel Sitron
DATE 8/16/96

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED)

1. FEE CATEGORY AND AMOUNT: -----

FEE EXEMPT

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

3. OTHER -----

SIGNED -----
DATE -----