



DEPARTMENT OF HEALTH & HUMAN SERVICES

National Institutes of Health
National Institute on Drug Abuse
Intramural Research Program
5500 Nathan Shock Drive
Baltimore, MD 21224

4 February 2006

U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415
ATTN: Mr. John Kinneman, Branch Chief
NNMS Branch II
Division of Nuclear Materials Safety

Re: License #19-09760-02

Dear Mr. Kinneman:

This is a request for approval of Mr. John Jacobus, CHP, as Radiation Safety Officer on License #19-09760-02. CV for Mr. Jacobus is attached. NIDA proposes that Mr. Jacobus begin serving as RSO on or about April 15, 2006.

I wish to express my sincere appreciation for the valuable assistance provided by your agency over the 15 years of my tenure on this license.

Yours sincerely,

CAPT. Peter A. Doob, MPH, JD
USPHS

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REGION I

2006 FEB - 6 AM 8:53

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138368
NMCS/RONI MATERIALS-002

JOHN P. JACOBUS, MS
Certified Health Physicist
Senior Health Physicist
Division of Radiation Safety
National Institutes of Health
Bethesda, Maryland 20892-6780
Work: (301) 594-4018

CITIZENSHIP: [REDACTED]

PROFESSIONAL CERTIFICATION AND TRAINING CERTIFICATES (ATTACHED):

Nuclear Regulatory Commission Form NRC-313M-Supplement A, 1978
Diplomate of the American Board of Health Physics, November 2000
Letter of renewal of certification by the American Board of Health Physics, March 2005

RELEVANT WORK EXPERIENCE:

National Institutes of Health, Bethesda, MD 20892-6780
Senior Health Physicist

3/95 to Present

Duties: Ensure compliance of the conditions of specific licenses of a Type A License of Board Scope issued by the Nuclear Regulatory Commission; direct contact with the scientific researchers on technical issues such as waste management and disposal, dosimetry requirements, shielding, and administrative requirements; review regulatory compliance surveys of labs performed by researchers and contractors; review research protocols and applications for radioactive material use for completeness and content; follow-up noncompliance problems or investigations; support radio-iodine patient therapies; perform and supervise decontamination of radiation spills; counsel to pregnant radiation workers as required by regulations and policies; write reports of surveys and audits and submit them in a timely manner; identify specific programmatic issues that require review or clarification by supervisors; respond quickly to situations involving skin dose assessments, contamination incidents, waste management, and shielding questions.

Additional Duties: Review proposed rule changes utilizing my experience and knowledge in medical health physics; provided detailed reports to management on the effects rule changes would have on the current radiation safety program; provide current professional information on training, radiation safety issues and regulator changes and clarifications to coworkers; developed a Standard Operating Procedures manual for the Radiation Safety Operations Branch; revised and improved training given to prospective authorized users on internal radiation hazards, controls and dosimetry; revised training information given to special radiation workers, such as cardiology staff and researchers, and physicians and nursing staff involved with radionuclide therapies in the NIH Clinical Center.

Presbyterian Hospital of Dallas, Dallas, TX 75231-4496
Medical Physicist

04/94 to 02/95

Duties: Assisted the Radiation Safety Officer in performing brachytherapy implants; Few others related to duties associated with operational health physics.

**PERSONAL INFORMATION WAS REMOVED
BY NRC. NO COPY OF THIS INFORMATION
WAS RETAINED BY THE NRC.**

Navy Dosimetry Center, Bethesda, MD 20889
Division Officer, Navy Automated Radiation Exposure Registry

9/93 to 3/94

Duties: Ensured that radiation exposure information from more than 530 Navy ships and shore-based commands were uploaded to an extensive computer database.

National Naval Medical Center, Bethesda, MD 20889-5000
Radiation Safety Officer

08/91 to 09/93

Duties: Responsible for all aspects of the medical radiation safety program of a large hospital; monitored and trained more than 500 military and civilian radiation workers; supervised one civilian and four military technicians; directed support of radioisotope therapies and brachytherapy therapy procedures; managed the removal of large quantities of radioactive waste that had remained on the site for many years; revised command's Radiation Safety Manual to bring it in compliance of Nuclear Regulatory Commission licensing requirements; instituted numerous changes involving the inspection of laboratories and the receipt of radioactive material to bring the program into compliance with licensing requirements; submitted renewal for radioactive material use license incorporating the new revisions to Title 10, Code of Federal Regulations, Part 20.

Armed Forces Radiobiology Research Institute, Bethesda, MD 20889
Division Chief, Operational Dosimetry Division

10/87 to 7/91

Duties: Strongly supported the institute's research and outreach programs as the Department of Defense's leading radiobiology research facility; supervised five military officers, two civilian physicists, and one civilian technician; performed dosimetry measurements in the institute's various high intensity radiation facilities which included a TRIGA pulsed-mode research nuclear reactor, 300,000 curie cobalt-60 whole-body irradiator and 50 MeV linear accelerator; managed a budget of \$350,000 that supported in-house purchases and several extramural contracts; managed Institute's Cf-252 calibration source; participated in preliminary work involving the proton accelerator at Brookhaven National Laboratory, NY, in support of a new research thrust involving the National Aeronautical and Space Administration.

Charleston Naval Shipyard, Charleston, SC
Military Radiation Health Officer, Dosimetry Branch

11/86 to 10/87

Duties: Administrative duties associated with the personnel dosimetry program, personnel decontamination, training courses on the biological effects of ionizing radiation

Naval Hospital, Charleston, SC
Radiation Safety Officer

2/83 to 11/86

Duties: Radiation Safety Officer for 200 bed hospital with nuclear medicine clinic; evaluated diagnostic x-equipment for (a) Naval Hospital and Branch Clinics, Charleston, SC; (b) Naval Dental Clinics, Charleston, SC; (c) local ships in Naval Base, Charleston, SC; (d) Naval Hospital and Branch Clinics, Beaufort, SC; (e) Naval Dental Clinic, Parris Island, SC; (f) Naval Hospital and Branch Clinics, Camp Lejeune, NC; and (g) Naval Dental Clinics, Camp

Lejeune, NC; conducted training and evaluated Naval Hospital, Charleston, SC response to radiation accidents involving Naval Base, Charleston, and Polaris Missile Facility, Atlantic, Charleston, SC. Investigated microwave and radar personnel exposures. Performed radar and microwave emission surveys in Charleston, SC, Beaufort, SC, and Camp Lejeune, NC; NAVHOSP, Charleston, Laser Safety Officer.

EDUCATION:

Master of Science, Biomedical Engineering, June 1976

Pennsylvania State University, University Park, PA, 16802

Master of Science, Biophysics, May 1973

Pennsylvania State University, University Park, PA 16802

Bachelor of Science, Engineering Science, May 1970

New Jersey Institute of Technology, (Formerly, Newark College of Engineering), Newark, NJ 07102-9895

Additional Post-Graduate Courses

Radiation Science I – Radiological Physics, Georgetown U, Washington, DC 1990

Radiation Detection, Georgetown U, Washington, DC, 1988

Applications of Ionizing Radiation, Catholic University of America, DC, 1979

Professional Training Courses:

Dept. of Transportation Regulations for Hazardous Waste, NIH, 2005

Health Physics Certification Exam Preparation Course, 1999

Occupational Internal Dosimetry, ORISE, Oak Ridge, 1995

Hospital Health Physics, HPS Summer School, 1993

Implementation of NRC's New Part 20, BWC-HPS meeting, 1993

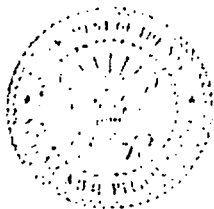
Health Physics in Radiation Accidents, REAC/TS, 1985

Health Physics Aspects of Nuclear Attack, HPS Summer School, 1984

Radiological Health for Radionuclide Users, NIH, 1980.

Ionizing and Non-ionizing Radiation in Medicine, HPS Summer School, 1979.

Nuclear Medicine for Physicians, NNMC, 1978



NATIONAL NAVAL MEDICAL CENTER

BETHESDA, MARYLAND - 20014

IN REPLY REFER TO

NNMC:C-95:JAT

1520

22 November 1978

LT John P. Jacobus, MSC, USN
Armed Forces Radiobiological Research Institute
Defense Nuclear Agency
Bethesda, Maryland 20014

Dear Lt Jacobus:

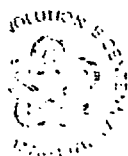
The following information is enclosed for your records and for use when
applying for a NRC By-Products Materials License.
Part 4 to Form NRC-313M-Supplement A (7-77) 10 CFR 30

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	National Naval Med. Ctr. Bethesda, Md. 20014 Course # 7901 20Oct-22Nov 1978	83	22
b. RADIATION PROTECTION	SAA	30	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	SAA	21	4
d. RADIATION BIOLOGY	SAA	21	
e. RADIOPHARMACEUTICAL CHEMISTRY	SAA	29	10

The training and experience indicated above was obtained
under the supervision of:

Richard F. Kieffer, M.D.
CAPT (MC) USN
Head, Nuclear Medicine
National Naval Medical Center



American Board of Health Physics

Be it known that

John Peter Jacobus, M.S.

has satisfactorily met the professional standards established by the

American Board of Health Physics

*and is hereby certified in
the comprehensive practice of*

HEALTH PHYSICS

*and is entitled to be identified as a Diplomate
of the American Board of Health Physics*



[Signature]

Chairman

[Signature]

Vice-Chairman

November 2000

Date

[Signature]

Secretary

[Signature]

Chairman, Panel of Examiners



AMERICAN ACADEMY OF HEALTH PHYSICS

1313 Dolley Madison Blvd., Suite 402, McLean, VA 22101

Phone: 703-790-1745 ■ FAX: 703-790-2672 ■ Email: AAHP@BurkInc.com

March 14, 2005

John P. Jacobus
[REDACTED]

Dear John:

It is a pleasure to inform you that your application for renewal of certification by the American Board of Health Physics has been approved and your certification thereby renewed. Enclosed is a seal which you may affix to your certificate to show that you are meeting the obligations of an active Certified Health Physicist.

As a result of this action, you will remain on the roster of active Certified Health Physicists (unless you request a change) until December 31, 2008. During this period, you should take the necessary steps to continue your certification, assuming that you remain active as a health physicist. Many CHPs have found it convenient to set up a file to keep track of the functions they are attending that count toward the Continuing Education requirements. This helps avoid problems at the last minute.

In applying for renewal, you acknowledged your commitment to remain active in the field of health physics and acquainted with scientific, technical, and regulatory developments. Should changing circumstances make it impossible or impractical for you to continue this commitment, please advise the Board so that you may be transferred to the Inactive or Emeritus class as appropriate.

The Continuing Certification Program of the American Board is intended to serve the needs of Certified Health Physicists. If you have any suggestions or comments concerning this program, I would appreciate hearing from you.

Congratulations on your successful application for renewal!

Sincerely,

Nancy K. Johnson

Nancy K. Johnson
Program Director

PERSONAL INFORMATION WAS REMOVED
BY NRC. NO COPY OF THIS INFORMATION
WAS RETAINED BY THE NRC.

Enclosure: Renewal Seal



This is to acknowledge the receipt of your letter/application dated

2/4/2006, and to inform you that the initial processing which includes an administrative review has been performed.

☒ NR 610. 19-09760-02
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 138368.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.