6650 Telecom Drive
Indianapolis, IN 46278

U.S. Customs and Border Protection

JUL 09 2015

Sattar Lodhi, Ph.D.
Senior Health Physicist
U.S. Nuclear Regulatory Commission
Region 1
2100 Renaissance Boulevard, Suite 100
King of Prussia, Pennsylvania 19406-2713

Q2

Dear Dr. Lodhi:

This correspondence conveys an amendment request for our Nuclear Regulatory Commission (NRC) License 08-17447-01/03012771

We wish to appoint Mr. Alex Grosso as the U.S. Customs and Border Protection Radiation Safety Officer effective June 29, 2015 while Mr. Steve Tilden is serving on a 60-day temporary duty assignment. A copy of Mr. Grosso's resume is attached. Please remove Mr. Steve Tilden's name as the CBP license holder.

Please also note that effective June 29, 2015, Mr. Mic McKeighan replaced Mr. Gary McMahen as the Director, Occupational Safety and Health. Mr. McMahen retired from government service. Mr. McKeighan will be the certifying official for future licensing correspondence at the address on file.

If you have any questions or require additional information, please contact Mr. Tilden. He may be reached at (443)869-1695 or at steven.tilden@dhs.gov on email.

Sincerely,

Mic McKeighan

Mickey D. McKeighan
Director, Occupational Safety and Health

Cc: Alex Grosso
Steve Tilden

5788341

IMNS/RGN1 MATERIALS-002

1300 Pennsylvania Avenue NW
Washington, DC 20229

U.S. Customs and Border Protection

JUL 09 2015

Mr. Alex Grosso
Health Physicist
Occupational Safety and Health Division
Human Resources Management
1000 Send Avenue #2200
Seattle, WA 98104

Dear Mr. Grosso:

I am pleased to confirm your appointment as the U.S. Customs and Border Protection (CBP) Radiation Safety Officer (RSO), effective June 29, 2015. In your capacity as the RSO, you are granted the authority to halt any work involving the use of radiation-producing devices or radioactive materials that you believe are an immediate risk to people or property.

A list of RSO duties and responsibilities is enclosed. Please sign and date a copy of this letter with enclosure and return it to Mr. Gary McMahen for the official file.

Sincerely,

Katherine M. Coffman
Assistant Commissioner
Human Resources Management

Enclosure

U.S. Customs and Border Protection
Radiation Safety Officer Duties and Responsibilities

The Radiation Safety Officer (RSO) shall ensure the following:

- Licensed activities that the RSO considers unsafe are stopped;
- Possession, use, storage, and maintenance of sources and gauges are consistent with the limitations in the U.S. Nuclear Regulatory Commission License, the Sealed Source and Device Registration sheet(s), and the manufacturer's recommendations and instructions;
- Individuals who use gauges are properly trained;
- When necessary, personnel monitoring devices are used and exchanged at the proper intervals; records of the results of such monitoring are maintained;
- Gauges are properly secured;
- Proper authorities are notified in case of accident, damage to gauges, fire, or theft;
- Unusual occurrences involving the gauge (e.g., accident, damage) are investigated, cause(s) and appropriate corrective action are identified, and corrective action is taken;
- Audits are performed at least annually and documented, and corrective actions are taken;
- Licensed material is transported in accordance with all applicable Department of Transportation requirements;
- Licensed material is disposed of properly;
- Appropriate records are maintained;
- An up-to-date license is maintained and amendment and renewal requests are submitted in a timely manner;
- Up-to-date operating and emergency procedures are developed, maintained, distributed, and implemented;
- Non-routine operations are performed by the manufacturer, distributor, or person specifically authorized by the Nuclear Regulatory Commission or an Agreement State;

- Documentation is maintained to demonstrate, by measurement or calculation, that the TEDE to the individual member of the public likely to receive the highest dose from the licensed operation does not exceed the annual limit in 10 CFR 20.1301;

- When violations of regulations or license conditions or program weaknesses are identified, corrective actions are developed, implemented, and documented;

- Posting of documents required by 10 CFR 19.11 (Parts 19 and 20, license documents, operating procedures, NRC Form 3, "Notice to Employees"), and 10 CFR 21.6 (Part 21, Section 206 of Energy Reorganization Act of 1974, procedures adopted pursuant to Part 21) or posting a notice indicating where these documents can be examined.

Alex Grosso
Health Physicist

08 July 2015
Date Received

Alex James Grosso
[redacted]
Day Phone: 3603209893
Email: alex.j.grosso@cbp.dhs.gov

Work Experience:

US Customs and Border Protection — **07/2008 - Present**
Seattle, WA United States

Health Physicist GS-1306-13

Serves as a regional technical authority in the area of health physics; and as a point of contact for a specific region of the United States representing the US Customs and Border Protection for all Non-Intrusive Inspection (NII) equipment and procedures. This position involves responsibility for administering a comprehensive radiation safety and health program involving control of hazards from all sources of ionizing and non-ionizing radiation in use and present at Customs and Border Protection facilities. This position works in concert with other regional Health Physicists and under the direction of the Radiation Safety Officer (RSO) and appropriate Team Supervisor. This includes radiation emitted from machines and devices, radioactive materials, and naturally occurring radioactive materials.

1. Provide comprehensive management of the US Customs and Border Protection assets in the specific region of the United States assigned. Assists the RSO with ensuring compliance with US Customs and Border Protection's Nuclear Regulatory Commission (NRC) radioactive materials license. This may include supervising the issuance of Radioactive Material Use Permits to specific locations which allows the possession and use of radioactive materials; planning, directing, and maintaining radioactive material inventory procedures; and assisting the RSO in maintaining a personnel radiation dosimetry program which will monitor both external and internal exposure to employees of the US Customs and Border Protection (CBP).

2. Assists the RSO in establishing a comprehensive and uniform radiation safety program. Additionally, for the region assigned, originates and implements program goals and sets objectives regarding radiation exposure reduction (ALARA), develops curricula; and presents radiation safety training classes. Assists the RSO in review and approval of proposed purchases of radioactive materials and x-ray generating equipment and machines used throughout CBP.

3. Independently conducts radiation surveys of US CBP ports of entry, border check points, research laboratories, offices, and grounds to determine compliance with Federal, state, and local radiation safety standards; enacts necessary corrective actions, and implements changes to reduce or eliminate these hazards. This compliance program includes annual visits to all ports and areas in the specified region that have radioactive materials and/or NII equipment to determine radiation safety trends and corrective actions needed. Additionally, this includes a radiation survey of all new large scale NII equipment after installation at a site and prior to use and deployment.

University of Washington, Radiation Safety Office — **11/2000 - 07/2008**
Seattle, WA United States

Compliance Analyst/ Health Physicist

Responsible for the operation, management, and administration of a very large radiation dosimetry program for research, medical and university staff including external and internal

dose assessment. Responsible for management, operation and licensing of the University of Washington's air emissions program for radioactive materials throughout the campus and its associated holdings. This involves collaboration with state and Federal agencies such as the EPA, OSHA, FDA, and Puget Sound Clean Air Authority. Over the past 5 years worked with Washington state Department of Health to update and put into law new regulations regarding air emissions by state licensed facilities. Provided guidance to University of Washington staff and faculty regarding safety and health issues dealing with environmental regulations. Called on as a technical expert to provide input into regulations changes in the state and University safety and health plans. Acted as sole web designer for Radiation Safety in the preparation, administration, and deployment of web based forms, technical documents, and training for all UW students and staff. Designed and implemented detailed training modules dealing with occupational safety and health to a variety of individuals from undergraduate students to senior university managers.
Assisted the Radiation Safety Officer in maintaining the requirements of a very large broad scope state Radioactive Materials License. Administered and managed licensing of off campus facilities for this quickly expanding university. Up to four new facilities off campus have been added each year. Worked with other staff in Environmental Health and Safety to develop and put in place detailed technical requirements for new construction to meet state and Federal standards relating to Occupation Health and Safety. Oversaw decontamination and decommissioning of on and off campus sites where radioactive and hazardous materials have been used. In several cases this involved contracting out and overseeing the work. Developed and wrote technical documents and reports to higher authority regarding safety and health issues associated with radiation, ionizing, and non-ionizing radiation.
These programs are extremely complex entities requiring interact action with people from Federal, state, county and city agencies as well as research and medical University staff. The ability to marry regulatory laws with the desires and needs of researchers and medical professionals to carry out their duties for the common good is an essential aspect of my duties. Lack of oversight could result in adverse public concern and relations, which would damage the public's confidence in the UW's control and management of research and medical hazards. Negative outcomes such as this would take years to overcome. Reviewed and evaluated for occupational health and safety concerns: environmental impact statements (EIS); environmental data reports; safety analysis reports (SAR or FSAR).

Naval Sea Systems Command **10/1992**
Arlington, VA United States **-**
12/1995

Radiation Specialist

Day to day manager of the US Navy's Radiological Controls Program to over 500 ship and shore facilities licensed for industrial sources of radioactive materials and to ships and facilities involved with weapons radiological controls. Instrumental in formulating and implementing Navy policy for the safe use, handling, and disposal of tritium associated with US Navy platforms. Senior hazards planner/controller for joint Department of Defense accident/incident exercises. Worked with DOD, Federal, state and local agencies in Virginia, the United Kingdom, and Washington to design scenarios, formulate emergency safety and disaster plans, and exercise local, Federal and state assets to test and analyze the ability to responds to emergency and disaster situations. Managed and coordinated all Radiation Detection equipment allowances for the US Navy's Weapons Radiological Controls program. Member of the working group to design and field the US Navy's first multifunction RADIAC which was approved and manufactured in 1996. Working with DOD and Weapons Training Groups conducted many weapons technical proficiency and safety inspections worldwide to ensure safe use and handling of weapon's systems. Base realignment and closure (BRAC) general radioactive material (G-ram) site remediation and environmental restoration technical expert. Developed technical guidance for use in the closure of Naval Shipyard, Charleston, SC and Polaris Missile Facility Charleston, SC. Technical safety and Health subject matter expert for all ship and shore activities for Weapons Radiological Safety policy and guidance. Responsibility included management, administration, and responsibility for directing and implementing environmental and safety guidelines for protection of personnel and the environment. With senior manager from the Department of Energy, the US Air Force, and

Chief of Naval Operations participated in the overall design review of training and technical modules relative to weapons and radiological safety and the integration and interaction with other occupational health and safety based modules. Personally rewrote the entire Naval Sea Systems Command Weapons Radiological Controls Program Manual, NAVSEA TW-120-AA-PRO-010, and NAVSEA Radiological Controls Program Manual, NAVSEA TW-120-AA-RAD-010 to conform to current Federal regulations. As technical radiological subject matter expert reviewed and edited training manuals and lesson plans to ensure conformity to Federal, Department of Defense and US Navy procedures and directives for Nuclear Weapons and Industrial Radiological Safety. These were used to standardize safety and health training throughout ship and shore installations.

Naval Hospital Charleston **07/1989**
Charleston, SC United States **-**
10/1992

Radiation Safety Officer

Responsible for the health and safety of personnel from all sources of ionizing and non-ionizing radiation in the US Navy Southeast region. Radiation Health Officer for all Naval Base and Naval Weapons Station Charleston activities, provided training support, dosimetry, guidance, and audit compliance review to over 15,000 civilian and Navy personnel. Acted as Head, Occupational Health and Safety on various occasions. Responded regionally throughout North and South Carolina for radiation safety and health related matters to all Marine Crops and Navy activities. Managed a large hospital's Broad scope Radioactive Materials license and trained and directed the radiological casualty assistance team. Provided guidance and training to patients and hospital personnel. Upgraded all radiology department facilities to include over 5 million dollars of radiographic, fluoroscopic, MRI and Nuclear Medicine equipment. Directed and implemented of new procedures in nuclear medicine which greatly reduced waiting time, cost and patient exposure to radiation. Spearheaded the effort to double the capacity of Nuclear Medicine by procuring additional staff and equipment. Provided design review for new buildings and renovations of existing structures. Initiated the formation of a Radiation Safety Department under the Occupational Health Directorate. Developed departmental guidelines and procedures and wrote technical guidance for shore activities at Camp Lejeune and Naval Intermediate Support Activity, Charleston. Responsible for direction and management of all resources providing radiation health services to over 4000 personnel at 10 activities including: radiation monitoring and decontamination; dose evaluation and reconstruction; dosimetry issue; safety training and counseling; program evaluation and remediation; equipment evaluation, procurement and calibration; and medical surveillance evaluation and review. Served on various committees and ad-hoc groups (e.g., Medical Records, Quality Improvement, Disaster Preparedness, Composite Health Care System (CHCS) Implementation, and Radiation Safety). In support of the US Navy radiological controls program, served as a technical safety expert on Weapons Training and inspection teams and deployed worldwide to various shore stations and ships.

Naval Undersea Medical Institute **05/1988**
Groton, CT United States **-**
07/1989

Head, Radiation Health

Directed and managed the US Navy's Radiation Health school for Health Physicists, Physicians, Nurses, Submarine Hospital Corpsmen and Allied Health professionals. Oversight of curriculum development and implementation of all 16 Health Physics course. Redesigned and redirected focus of training to include both operational and medical health physics and radiological safety. Supervised 12 Health Physicists and Technicians and trained over 300 personnel annually.

Naval Submarine Support Facility 06/1986
Groton, CT United States -
05/1988

Head Radiation Health

Provided safety and health services to over 2,000 personnel at a large industrial maintenance and repair facility. Including dosimetry support, work site monitoring, scheduling medical surveillance, training, administering computer based programs to monitor and ensure compliance with Federal and Department of Defense regulations.

Education:

The George Washington University Washington, DC
Technical or Occupational Certificate [redacted]
GPA: 3.8 of a maximum 4.0
Credits Earned: 24 Semester hours
Major: Education
Relevant Coursework, Licenses and Certifications:
Graduate Teacher certification program for science, chemistry and biology middle and secondary level education.

Webster University Charleston, SC United States
Master's Degree [redacted]
GPA: 4.0 of a maximum 4.0
Credits Earned: 36 Semester hours
Major: Management
Relevant Coursework, Licenses and Certifications:
Executive Level program for working professionals

Seton Hall University South Orange, NJ United States
Master's Degree [redacted]
GPA: 3.75 of a maximum 4.0
Credits Earned: 32 Semester hours
Major: Biology **Minor:** Microbiology

Seton Hall University South Orange, NJ United States
Bachelor's Degree [redacted]
GPA: 3.11 of a maximum 4.0
Credits Earned: 132 Semester hours
Major: Biology

Job Related Training:

Laser Safety Officer, February 2002 and September 2012; , Laser Safety Institute, Orlando, FL
Nevada Training Associates, 1995,Williamsburg, VA; Environmental Radiochemistry Certificate
Department of the Navy, Human Resource Office, Arlington, VA 1995 ,Project Management Certificate
Radiological Affairs Support Office, 1993,Yorktown, VA, Radiographic Safety Officer
Interservice Nuclear Weapons School, 1993 Albuquerque, NM, Advanced Nuclear Weapons Safety Officer Los Alamos National Laboratory, 1992-1995 Los Alamos, NM Emergency Preparedness and response to radiological disasters
Nuclear Weapons School, 1991; Albuquerque, NM Hazards of Nuclear Weapons
Radiological Affairs Support Office, 1983 Port Hueneme, CA Radiation Safety Officer's Course
Naval Undersea Medical Institute, 1982,Groton, CT Radiation Health Officer

Affiliations:

Health Physics Society - Plenary Member

Publications:

Thyroid shields and neck exposures in cephalometric radiography
BMC Medical Imaging (June 2006)

Philippe Hujoel, Lars Hollender, Anne-Marie Bollen, John D Young, Joana Cunha-Cruz, Molly McGee, and Alex Grosso

Radiographs Associated with One Episode of Orthodontic Therapy
Journal od Dental Education (Oct 2006)

Philippe Hujoel, D.D.S., Ph.D., Lars Hollender, D.D.S., Ph.D., Anne-Marie Bollen, D.D.S., Ph.D., John D. Young, B.A., Molly McGee, B.A. and Alex Grosso, B.S., M.S., M.A.

Head-and-neck organ doses from an episode of orthodontic care
American Journal of Orthodontics & Dentofacial Orthopedics (Oct 2007)

Philippe Hujoel, , Lars Hollender, , Anne-Marie Bollen, John D. Young,, Molly McGee, and Alex Grosso

Additional Information:

Web designer for radiation safety. Developed online training for all workers at the University of Washington. Skilled PC user, competent in many word processing, graphics, database, and spreadsheet applications. Familiar with Office 2013 applications such as Word, Power Point, Excel and Access; the Internet, Network Administration, World Wide Web and computer based US Code of Federal Regulations. Department of Defense Secret clearance from September 1980 through December 1995; US Customs and Border Protection Secret Clearance from July 2011 to present.

This is to acknowledge the receipt of your letter/application dated 07/09/2015, and to inform you that the initial processing which includes an administrative review has been performed.

08-17447-01 (Amendment)

[X] 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

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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** 588341
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader