

Idaho State  
UNIVERSITY

Office of Research

921 South 8th Avenue, Stop 8130 • Pocatello, Idaho 83209-8130

6 February, 2012

United States Nuclear Regulatory Commission  
Region IV  
Attn: Michelle Hammond  
1600 East Lamar Blvd.  
Arlington, Texas 76011-4511

RECEIVED

FEB 9 2012

DNMS

Dear Ms. Hammond:

We request an amendment to USNRC License 11-27380-01 to replace Dr. Jay Kunze with Mr. Peter C. Farina as the Radiation Safety Officer. Dr. Kunze had agreed to remain in the position on an interim basis until this amendment has been approved.

A copy of Mr. Farina's CV, a list of detailed isotope specific experience, the letter of delegation of Authority and the duties and responsibilities of the Radiation Safety Officer is included along with this amendment request as attachment 1. Mr. Farina has served as the Radiation Safety Officer on Georgia State University's broad license from 2001 and has served intermittently on the University of Georgia's broad and specific licenses. He is a certified industrial hygienist and certified hazardous material manager with over 20 years of health physics and radiation protection experience.

We thank you for your consideration of these requested amendments to USNRC License 11-27380-01.

Sincerely,

  
Richard Jacobsen, Ph.D., P.E.  
Interim Vice President for Research  
Idaho State University

Idaho State University  
Mail Stop 8103  
Pocatello, ID 83209-8103  
Work: (208) 282-3627

E mail: [pfarina@isu.edu](mailto:pfarina@isu.edu)

## Peter Farina M.S., C.I.H., C.H.M.M.

Education	PhD Student - Geochemistry	2010 – Current	Georgia State University Atlanta, Ga
	Master of Science – Physics	1987 – 1989	Florida State University Tallahassee, Fl
	Bachelor of Science – Physics	1983 – 1987	University of Massachusetts Amherst, Ma
	Bachelor of Science – Astronomy	1983 – 1987	University of Massachusetts Amherst, Ma
Professional experience	1/3/2012- Current	Idaho State University	Pocatello, Id
	<b>Director, Technical Safety Office</b> <ul style="list-style-type: none"><li>- I direct the Radiation Safety, Biological Waste, Chemical Safety and Hazardous Waste programs for Idaho State University and it's outlying campus's</li><li>- I direct a staff of 3 full time and 3 part time employees for a University of 15,000 students that includes an accelerator facility and training reactor.</li><li>- I meet regularly with senior administration to advise them regarding health and safety issues.</li><li>- I am the University's liaison with regulatory agencies.</li><li>- I will hold the duties and title of Radiation Safety Officer for the University's broad scope license.</li><li>- I serve as a member of the Radiation Safety Committee.</li><li>- I consult with architects and project managers on building modifications and construction with regards to safety, laboratory design and air handling systems.</li><li>- I perform as the University's Industrial Hygienist.</li><li>- I perform the duties of Emergency Responder.</li></ul>		
	2008-1/3/2012	Georgia State University	Atlanta, Georgia
	<b>Director, (Formerly Asst. Director) Safety Programs</b> <ul style="list-style-type: none"><li>- I directed the Radiation Safety, Biological Safety, Chemical Safety and Environmental Safety programs and direct a staff of 6 full time and 3 part time employees for a University of 32,000 students that includes a Cancer Research Center and a BSL4 facility.</li><li>- I met regularly with senior administration to advise them regarding health and safety issues.</li><li>- I was the University's liaison with regulatory agencies.</li><li>- I held the duties and title of Sr. Radiation Safety Officer for the University's broad license.</li><li>- I served as a member of the University's Laboratory Safety Committee, Radiation Safety Committee and IACUC.</li><li>- I consulted with architects and project managers on building modifications and construction with regards to safety, laboratory design and air handling systems.</li><li>- I performed as the University's Industrial Hygienist.</li><li>- I performed the duties of Emergency Response Incident Commander.</li></ul>		
	2001 – 1/3/2012	Georgia State University	Atlanta, Georgia
	<b>Senior Radiation Safety Officer (Formerly Radiation Safety Officer)</b> <ul style="list-style-type: none"><li>- I was responsible for a Radiation program of over 60 active Principle Investigators, over 300 radiation using personnel and the University's Radioactive Materials License.</li><li>- I supervised the Radiation Safety Staff.</li><li>- I conducted Radiation Safety training for University faculty, students and staff.</li><li>- I managed the radioactive waste, dosimetry, bioassay, laboratory inspection, laser safety, x-ray safety and sealed source programs.</li><li>- I managed and perform Industrial Hygiene duties including chemical monitoring, asbestos air monitoring (NIOSH 582), accident investigation, laboratory design consultation and fire code consultation.</li></ul>		

**2000 – 2003, 2007-2008**

Georgia State University

Atlanta, Georgia

**Hazardous Materials Manager/Environmental Program Officer**

- Directly managed the Hazardous Materials Program for a large quantity hazardous waste generator (chemical, universal & biological waste programs, emergency response, environmental monitoring, underground storage tanks, refrigerants, asbestos, lead based paints, laboratory safety, SPCC, pollution prevention etc.).
- Managed the activities of the Hazardous Materials staff.
- Estimated, created specifications, bid, contracted & managed all contractors for the abatement of hazardous materials (asbestos removals exceeding \$5000.00, lead, soil, demolitions and groundwater)
- Contracted and managed all phase I & II activities for property acquisitions.
- Maintained the University's Title V Air Permit.
- Oversaw the University Indoor air quality and drinking water quality program.
- Managed the University's emergency mass communication system.
- Performed as a construction project manager for renovations and demolitions where asbestos removal is involved.

**1998 - 2000**

Georgia State University

Atlanta, Georgia

**Hazardous Materials Specialist**

- Estimated, bid, contracted & managed all contractors for the removal of asbestos and lead based paint,
- Performed inspections for asbestos and lead,
- Developed and maintained a computerized database for all asbestos containing materials on campus,
- Developed and maintained the asbestos and lead paint management plan for the University,
- Developed and maintained multimedia training programs for asbestos, hazardous waste and chemical safety,
- Consulted with and submitted reports for University clients regarding exposure to hazardous agents,
- Measured and documented air concentrations of asbestos, lead and chemical agents,
- Assisted in performing industrial hygiene, hazardous waste, and radiation safety duties, and
- Responded to and investigated air quality complaints and events.

**1996 - 1998**

University of Georgia

Athens, Georgia

**Environmental Health and Safety Coordinator**

- Directly supervised the laboratory safety, industrial hygiene, occupational safety and hazardous response staff (5 full time and 4 part time employees).
- Managed all asbestos related projects and performed asbestos training for a campus with buildings throughout the State.
- Performed all industrial hygiene duties,
- Managed personnel and budget for my section that exceeded \$200,000.
- Served as a consultant to the Laboratory and Radiation Safety Committees,
- Acted as safety Liaison/Safety Officer and performed safety inspections at University farms, Art School, 4-H camps and research stations,
- Developed, implemented and managed the Respiratory Protection Program.
- Scheduled and performed Right to Know training for University employees,
- Led investigations of air quality complaints,
- Taught a graduate level credit course on safety in the sciences for the Biochemistry Department
- Assisted in teaching undergraduate courses in Hazardous Waste and Industrial Hygiene for the Environmental Sciences Department, and
- Performed the duties of Health and Safety Manager in their absence.



**1991 – 1996**

University of Georgia

Athens, Georgia

**Radiation Safety Officer**

- Acting Senior Radiation Safety Officer for over a year that required me to manage the Radiation Safety program and staff for a University with over 350 licensed laboratories, 240 Principle Investigators, a Veterinary Medicine School with a full nuclear medicine department, an accelerator facility, a sealed source manufacturing license, 5 large irradiators, a research vessel and research stations.
- Supervised the full time Radiation Safety Specialists and 2 part time assistants.
- Managed the radioactive waste program at a permit B TSD Waste facility.
- Managed the radiation dosimetry and bioassay programs with over 1500 enrollees.
- Managed the Radiation inspection and sealed source programs.
- Managed all environmental monitoring programs for 2 radiological burial sites.
- Developed and facilitated a laser safety program for over 140 lasers.

**1989 – 1991**

Florida State University

Tallahassee, Florida

**Health Physicist**

- Performed safety audits of laboratories and waste management duties,
- Managed the radiation monitoring programs, and
- Developed and facilitated a non-ionizing radiation and laser safety program.

**Awards,  
Publications  
and  
Presentations**

2007 Georgia State University Sparks Award Recipient (Employee of the Year)

2000 Process improvement Award Georgia State University, Finance and Administration Division

1995 University of Georgia Public Safety Employee of the Year Recipient

“TSCA Regulations, Bioterrorism, Chemistry & Physics Primer”, CHMM Prep Course, Kennesaw State University, Every October and April

“CASE STUDY: When Homeland Security meets the CIH's”, Georgia AIHA Fall Meeting, October 3, 2003

Charles R. Santerre, Jerry Campbell, Peter C. Farina and Lowell Muse; **Assessing Tritium Contamination on Three Surfaces**; International Journal of Applied Radiation and Isotopes; Volume 46, Number 4, 1995

Jerry Campbell, Charles R. Santerre, Peter C. Farina and Lowell Muse; **Wipe Testing for Surface Contamination by Tritiated Compounds**; Journal of Health Physics, Volume 64, Number 5, 1994

“Shallow Land Burial of Short Lived Radioactive Carcasses”, Presented at the D.O.E. Biomedical Mixed-Waste Workshop, November 3-4, 1993; Minneapolis, MN

X. Aslanoglow, K.W. Kemper, P. C. Farina and D. Trcka; **Location of Major Alpha Strength in  $^{13}\text{C}$  at 10.75 MeV**; Physical Review C, July 1989

**Professional  
Certifications  
& Licenses**

Certified Industrial Hygienist, American Board of Industrial Hygiene, Certification # 8464CP, Exp. 6/1/2013

Certified Hazardous Materials Manager, C.H.M.M., Certification #11616, Exp. 12/31/2013

40 hour Certified Hazardous Materials Technician, IHMM. Exp. 2/31/2012

Certified EPA Asbestos Inspector and Management Planner, Environmental Institute Certification # 12689, Exp. 6/20/12

Certified EPA/HUD and State of Georgia Licensed Lead based Paint Inspector and Risk Assessor Environmental Institute, Exp: 2/22/2013

### Experience with Specific Isotopes

Isotope	Form	Activities	Use Experience
<sup>241</sup> Am	Sealed	mCi, Ci	Leak tests, Instrument calibrations, XRF
	Liquid	mCi	Shipping
<sup>239</sup> PuBe	Sealed	Ci	Leak test, Instrument Calibration
<sup>239</sup> Pu	Sealed	mCi	Instrument Calibration
	Liquid	uCi	Research/Waste handling
<sup>235</sup> U	Liquid	nCi	Research
Nat. Uranium	Solid, Liquid	uCi	Research, Course Instruction, waste handling
Nat. Thorium	Solid, Liquid	nCi,uCi	Research, Waste Handling
<sup>226</sup> Ra	Sealed	uCi	Brachytherapy monitoring, inventory, leak test
<sup>252</sup> Cf	Sealed	uCi, mCi	Instrument calibration, leak tests
Mixed TransU	Liquid, solid	nCi,uCi	Waste handling
<sup>210</sup> Po	Sealed	uCi	Leak test, research
<sup>192</sup> Ir	Sealed	uCi	Brachytherapy monitoring, inventory, leak test
<sup>137</sup> Cs	Sealed	mCi,Ci	Instrument Calibration, Irradiation, Course Instruction, leak test
	Liquid	mCi	Research, waste handling
<sup>60</sup> Co	Sealed	mCi, Ci, kCi	Leak Testing, Dose monitoring
Cs/AmBe	Sealed	mCi	Leak testing
<sup>125</sup> I	Sealed	mCi	Leak testing
	Liquid	mCi	Monitoring, research, waste handling
<sup>203</sup> Hg	Solid, Liquid	mCi	Research, monitoring, waste handling
<sup>99</sup> Tc	Liquid	mCi	Course Instruction, monitoring
<sup>131</sup> I	Liquid	mCi	Dose Calibration, monitoring, waste handling
<sup>22</sup> Na	Liquid	uCi, mCi	Courses, waste handling
<sup>55</sup> Fe	Liquid	uCi, mCi	waste handling
<sup>51</sup> Cr	Liquid	uCi, mCi	waste handling
<sup>153</sup> Gd	Liquid	uCi, mCi	waste handling
<sup>54</sup> Mn	Liquid	uCi, mCi	waste handling
<sup>31</sup> S	Liquid	uCi, mCi	waste handling
<sup>90</sup> Sr	Sealed	mCi	Course Instruction, leak testing
	Liquid	uCi, mCi	Waste handling
<sup>32</sup> P	Liquid	uCi, mCi	Course Instruction, waste handling
<sup>33</sup> P	Liquid	uCi,mCi	Waste Handling
<sup>14</sup> C	Sealed	mCi	Leak test
	Liquid	uCi,mCi	Course Instruction, Instrument calibration, waste handling
<sup>3</sup> H	Sealed	mCi, Ci	Research, Leak test, waste handling
	Liquid	uCi,mCi	Course Instruction, Instrument calibration, waste handling
Mixed	Liquid, Solid	uCi, mCi	Activated accelerator parts/research, monitoring

Associate with Georgia State University License # GA-244-1, University of Georgia License GA-103-1, and Florida State University License 32-1.

Information regarding experience and isotopes under the licenses of Sapelo Island Marine Research Station, Skidaway Island Marine Research License, The University of Georgia Ecology Laboratory at the Savannah River Site and the discontinued University of Georgia production license was not included in the above.

# Idaho State UNIVERSITY

## Office of Research


921 South 8th Avenue, Stop 8130 • Pocatello, Idaho 83209-8130

### DELEGATION OF AUTHORITY

### RADIATION SAFETY OFFICER

### MEMORANDUM

To: Radioactive Materials Users and Principal Investigators

From:   
Dr. Richard Jacobsen  
Interim Vice President for Research  
Idaho State University

Subject: Delegation of Authority for Radiation Safety Officer

Peter Farina has been appointed Radiation Safety Officer and is responsible for ensuring the safe use of byproduct materials and other sources of ionizing and non-ionizing radiation. The Radiation Safety Officer is responsible for managing the radiation safety program; identifying radiation safety problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; and ensuring compliance with regulations for the use of byproduct material. The Radiation Safety Officer is hereby delegated the authority necessary to meet these responsibilities.

The Radiation Safety Officer has the authority to immediately stop any operations involving the use of byproduct material and other sources of ionizing and non-ionizing radiation in which health and safety may be compromised or may result in non-compliance with NRC requirements.



## **RADIATION SAFETY RESPONSIBILITIES OF THE DIRECTOR, TECHNICAL SAFETY OFFICE**

The Director of the Idaho State University Technical Safety Office has the responsibility for overseeing three core university functions:

- The University Radiation Safety Program as Radiation Safety Officer
- The University Hazardous Waste and Universal Waste Program
- The University Bio hazardous/Infectious Waste Program

The Director of the Technical Safety Office reports directly to Vice President for Research and serves as the university contact point to all federal, state, and local agencies which interface with the core university functions under the auspices of the directorship. His mission is to assure cooperation and compliance with these agencies. He has the authority to order immediate stop work of any actions deemed to be unsafe or in violation of federal or state laws. The Director of the Technical Safety office has been assigned authority and resources to assure both regulatory compliance and safe operating conditions exist in the areas over which he has responsibility. Most recently the Director of the Technical Safety Office has been asked to undertake the role of developing and coordinating an Integrated Safety Program that applies to all University entities. The Center for Advanced Energy Studies (CAES) Safety Officer reports to the Director of the Technical Safety Office and is delegated the responsibility as required to perform related duties in the CAES facilities in Idaho Falls, Idaho.

### **Radiation Safety Officer:**

Specific duties and responsibilities of the RSO include:

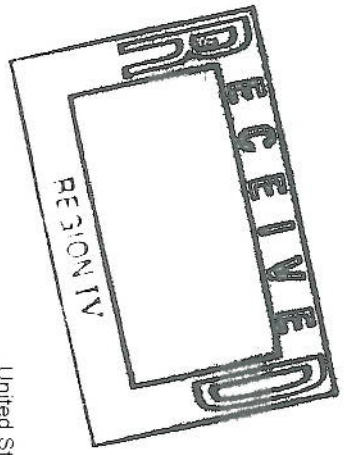
- Monitoring and surveys of all areas in which radioactive material is used,
- Oversight of ordering, receipt, surveys, and delivery of radioactive materials,
- Packaging, labeling, surveys, etc., of all shipments of radioactive materials leaving the institution,
- Oversight of the personnel monitoring program, including determining the need for and evaluating bioassays, monitoring personnel exposure records, and developing corrective actions for those exposures approaching maximum permissible limits,
- Training of all personnel,
- Oversight of the radioactive waste disposal program,
- Oversight of inventory and leak tests of sealed sources of radioactive material,
- Oversight of any decontamination efforts to remove radioactive material,
- Investigating any incidents and responding to any emergencies,
- Maintaining all required records

The Radiation Safety Officer provides guidance and advice to the Radiation Safety Committee while collaborating with them in the development of University Radiation safety Policy.

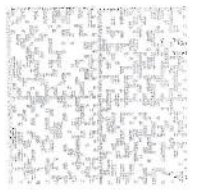
The Radiation Safety Officer also serves as the University LASER Safety Officer and participates with the University LASER Committee in establishing and implementing policy for the safe use of LASERS at Idaho State University.



Idaho State University  
Office of Research  
Campus Box 8130  
Pocatello, Idaho  
83209-8130  
*ARES 02*



United States Nuclear Regulatory Commission  
Region IV  
Attn: Michelle Hammond  
1600 East Lamar Blvd.  
Arlington, Texas 76011-4511  
[Barcode]



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US POSTAGE





DATE  
02/14/2012

NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE

Idaho State University  
Office of Research  
ATTN: Richard Jacobsen, Ph.D., P.E.  
Interim Vice President for Research  
921 South 8th Ave., Stop 8060  
Pocatello, ID 83209-8106

LICENSE NUMBER

11-27380-01

MAIL CONTROL NUMBER

576930

LICENSING AND/OR TECHNICAL REVIEWER

This is to acknowledge the receipt of your:

☒ LETTER and/or ☐ APPLICATION DATED: 02/06/2012

The initial processing, which included an administrative review, has been performed.

☒ AMENDMENT ☐ TERMINATION ☐ NEW LICENSE ☐ RENEWAL

- ☒ There were no administrative omissions identified during our initial review.
- ☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.
- ☐ Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, located at the following link:

<http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>

Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387

A copy of your action has been emailed to our License Fee and Accounts Receivable Branch, in our Headquarters office in Rockville, MD. You will be contacted separately if there is a fee issue involved.

Your application has been assigned the above listed **MAIL CONTROL NUMBER**. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region IV  
U. S. Nuclear Regulatory Commission  
DNMS/NMSB - B  
1600 E. Lamar Boulevard  
Arlington, TX 76011-4511  
(817) 200-1103 or (817) 200-1140

[ FOR ARPB USE ]  
INFORMATION FROM LTS

Program Code: 01100  
Status Code: Pending Amendment  
Fee Category: 1D 2C 3L 3P  
Exp. Date:  
Fee Comments:  
Decom Fin Assur Req: N

### A. REGION

Applicant/Licensee:	IDAHO STATE UNIVERSITY
Received Date:	02/09/2012
Docket Number:	3032322
Mail Control Number:	576930
License Number:	11-27380 01
Action Type:	Amendment

Amount: \_\_\_\_\_

Check No.: \_\_\_\_\_

Signed:

Cullen Murahan

Date:

2-13-2012

1. Fee Category and Amount: \_\_\_\_\_

Amendment:

Renewal: \_\_\_\_\_

License:

3. OTHER \_\_\_\_\_

Signed:

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Date: \_\_\_\_\_

Source: *Author's calculations*.