THE UNIVERSITY OF
SOUTHERN MISSISSIPPI.

DEPARTMENT OF MARINE SCIENCE
1020 Balch Boulevard | Stennis Space Center, MS 39529
Phone: 228.688.3177 | Fax: 228.688.1121 | www.usm.edu/marine

March 1, 2016

Nuclear Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region IV
1600 E. Lamar Blvd.
Arlington, TX 76011-4511

To Whom It May Concern,

This letter is in regard to Nuclear Materials License 23-24850-01 (Docket No. 030-29278) issued to the Department of Marine Science of The University of Southern Mississippi. I would like to amend the license to replace Mr. Merritt Tuel as Radiation Safety Officer (RSO) with Ms. Allison Mojzis (see attached statement of experience and training certificate). A letter requesting the change in RSO from Mr. Tuel to Dr. Donald Redalje was sent in May 2014 (also see attached). However, the letter was sent to the incorrect address and thus the amendment was never processed. When the May 2014 letter was written, Ms. Mojzis had not yet obtained the RSO training and hence Dr. Redalje was requested to act as RSO. Since then, she has completed the required RSO training and has added to her experience in the past few years, while working under the guidance of Mr. Tuel and Dr. Redalje.

Should you have any questions in regard to this requested amendment to Nuclear Materials License 23-24850-01, please contact me at your convenience. I will promptly answer any questions and supply any additional information that you may require. Thank you for considering this requested amendment.

Regards,

Merritt Tuel

Merritt Tuel, Radiation Safety Officer

The University of Southern Mississippi
Department of Marine Science
Stennis Space Center, MS 39529
(228) 688-1180
Merritt.Tuel@usm.edu

May 15., 2014

Ms. Judith Joustra
U.S. Nuclear Regulatory Commission, Region I
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

Dear Ms. Joustra,

This letter is in regard to Nuclear Materials License 23-24850-01 (Docket No. 030-29278) issued to the Department of Marine Science of The University of Southern Mississippi. We request the replacement Mr. Merritt Tuel as Radiation Safety Officer for this license with Dr. Don Redalje. Dr. Redalje has had extensive experience using radioactive materials since 1969 (please see attached Training Statement). He also was the RSO for U.S. NRC license 23-24850-01 from May, 1986 until May, 2012.

Should you have any questions in regard to this requested amendment to Nuclear Materials License 23-24850-01 please contact me at your convenience. I will promptly answer any questions and supply any additional information that you may require. Thank you for considering this requested amendment.

Regards,

Merritt Tuel
Radiation Safety Officer
(228) 688-1180
Merritt.Tuel@usm.edu

The University of Southern Mississippi
Department of Marine Science
Building 1103, Room 102
Stennis Space Center, Mississippi 39529

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The University of Southern Mississippi

Department of Marine Science

Statement of Training and Experience

Every individual proposing to use radioactive materials is required to submit a Statement of Training and Experience to the Department of Marine Sciences Radiation Safety Officer.

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1. Name of proposed user: Allison Mojzis

Position Title: Facilities Manager
Address and phone: 1020 Balch Blvd, Stennis Space Center MS 39529
Office: 228.688.3504

2. Description of proposed use:

Radioactive material inventory and sample/byproduct management of unsealed sources (Carbon-14 and Hydrogen-3) used in primary productivity and uptake experiments, and sealed sources existing in scientific instrumentation (Ni-63).

3. Training:
Undergraduate: Southampton College, Long Island University
Degree: BS in Marine Science (Biology Conc.) in 2002
Education applicable to use of radioactive materials: None

Graduate Institution: University of Southern Mississippi
Degree: MS in Marine Science (Biological Oceanography) in 2010
Education applicable to use of radioactive materials: Class work (1 year as a student, 2 years as a lab assistant) using Carbon-14 in primary production experiments with marine phytoplankton. Attended 5-day Radiation Safety Officer training held by Dade-Moeller Training Academy in July 2014 (see certificate of training)

4. Experience:
List experience with radioactivity beginning with most recent:

A. Dates: From March 2015 to present.

Title and Duties: Facilities Manager; Maintain inventory for sealed and unsealed sources, Perform quarterly wipe tests, Report activities/inventories to NASA/Stennis Space Center (SSC) and maintain compliance with NASA regulations for radioactive material use and environmental and personnel safety.

Serve as the Radiation Safety Officer (RSO) for the Department of Marine Science, MS Department of Health Radioactive Materials License #MS-976-01 and serve as the Assistant to the RSO (Mr. Merritt Tuel) for the US Nuclear Regulatory Commission Materials License #23-24850-01.

Continue to serve as the USM representative to the NASA/SSC Health Physics Committee, which meets quarterly.

Institution and Address: Department of Marine Science, The University of Southern Mississippi, 1020 Balch Blvd, Stennis Space Center MS 39529

B. Dates: From April 2014 to March 2015.

Title and Duties: Facilities Manager; Maintain inventory for sealed and unsealed sources, Perform quarterly wipe tests, Report activities/inventories to NASA/SSC.

Serve as an assistant to the Radiation Safety Officers (Dr. Donald Redalje and Mr. Merritt Tuel) for the Department of Marine Science, MS Department of Health Radioactive Materials License #MS-976-01 and the US Nuclear Regulatory Commission Materials License #23-24850-01.

Serve as the USM representative to the NASA/SSC Health Physics Committee, which meets quarterly.

Institution and Address: Department of Marine Science, The University of Southern Mississippi, 1020 Balch Blvd, Stennis Space Center MS 39529

C. Dates: From 2007 to 2008.

Title and Duties: Teaching Assistant for Biological Oceanography; Assist professor (Dr. Donald Redalje) in performing laboratory experiments using C-14 for primary production of marine phytoplankton.

Institution and Address: Department of Marine Science, The University of Southern Mississippi, 1020 Balch Blvd, Stennis Space Center MS 39529

5. Radioactive materials previously used. Cite typical radioisotopes used and key to experience listed in Part 4.

Isotope Type	Quantities Handled	Where Used (from Part 4)
Alpha emitters:		
None		

Beta-gamma emitters:

Carbon-14	milli-Curies	A, B
Hydrogen-3	micro-Curies	A

Sealed and Neutron sources:
None

6. Describe procedures similar to those proposed (in Part 2) with which you have had experience. Indicate time of experience with each and key to experience listed in Part 4.

(All from Part 4A and B) I have used C-14 ($H^{14}CO_3^-$) in both micro- and millicurie levels to measure phytoplankton production at USM. I have performed wipe tests and calculated radioactive material inventories quarterly since April 2014. I maintain records for the department as a whole on training, license amendments, inventories, and inspections.

7. Indicate types of facilities you have used and key to experience listed in Part 4:

(A,B) Ordinary chemical/biological laboratories
( ) "Controlled Area" (Type B) laboratories
( ) Glove boxes
( ) Shielded glove boxes
( ) Field operations with portable equipment

8. Certification of Statement:

I hereby certify that all information contained in this Statement is accurate to the best of my knowledge. I also certify that I have read and understand the USM Manual of Radiation Safety Procedures and hereby agree to comply strictly with all such rules and regulations waiving any right or recourse against The University of Southern Mississippi for any damage resulting from failure to conform with said regulations.

Allison K Moore — 3·1·16

Signature — Date

Radiation Safety Officers Recommendation:

✓ Approved
__ Disapproved
__ Temporary

__ Registrant under DMS NRC Materials Use License
__ Exempt Quantities
__ Student

Date: 3/1/16 RSO Signature: Merrill Lueck

Date: _____ Advisor: _____

Date: _____ Department Chair: _____

Ver. 08/04

Certificate of Training

Awarded To

Allison Mojzis

Recognizing completion of 5 days of specialized instruction in

Radiation Safety Officer

July 25, 2014

Presented By: **Alan Fellman**
Dade Moeller Training Academy
438 N. Frederick Avenue, Suite 220, Gaithersburg, MD 20877
www.moellerinc.com/academy -- 301-990-6006

Presented For: **NASA Goddard Space Flight Center**

Presented At: **Greenbelt, MD**

Alan L. Fellman, PhD, CHP

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Allison K Mojzis

From: Martha Sparrow
Sent: Wednesday, July 09, 2014 10:41 AM
To: Allison K Mojzis
Subject: FW: Quiz for Laboratory Radiation Safety [#10] stennis lic

Thank you for your quiz submission. You passed with a score of 80%. You may now use this quiz as your training record.

From: no-reply@forms.usm.edu [mailto:no-reply@forms.usm.edu]
Sent: Wednesday, July 09, 2014 10:36 AM
To: EHS@usm.edu
Subject: Quiz for Laboratory Radiation Safety [#10]

Name	Allison Mojzis
Email	allison.mojzis@usm.edu
1. Scottish kilts should never be worn in the laboratory.	- False True
2. Laboratory coats provide some protection against radioactive spills.	True
3. Absorbent plastic backed paper is a good choice for covering lab bench tops.	True
4. Commonly available household cleaning solutions are often a good choice for cleanup of radioactive spills.	True
5. For a smear survey, you should swipe about one square foot of surface with paper.	True False (swipe a 4 inch square)
6. To survey your bench top for contamination, you should hold the probe approximately one foot from the surface.	False
7. You should select the proper survey instrument to use with close attention to the characteristics of the radioactive isotopes that are used in your facility.	True
8. Skin contamination will quickly result in a fatal dose of radiation.	False
9. The use of soap and water is much better for removing skin contamination than the use of a wire brush.	True
10. Frequent use of survey meters for checking for contamination is necessary when working with radioactive materials.	True

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