

Virginia Institute of Marine Science  
Eric M. Fidler - Radiation Safety Officer  
1370 Greate Road, Gloucester Point, VA 23062  
804-684-7322

December 16, 2021

Nuclear Regulatory Commission – Region I  
Division of Radiological Safety and Security  
King of Prussia, PA 19406

Re: Termination of NRC License 45-07112-01

Upon careful consideration and consultation with VIMS leadership, it has been decided to terminate NRC license 45-07112-01. VIMS currently maintains a Virginia state-issued license (VDH #073-221-2) in addition to our NRC license. After a review of current and proposed research activities, it has been determined that the NRC license is no longer necessary.

The license has solely been used for “at-sea” operations classified as temporary job sites aboard Federally managed research vessels primarily in Antarctica. No such activity has taken place since the last NRC inspection of November, 29, 2016 and none is anticipated in the near future.

In addition to this letter, you will also find Form 314 “Certificate of Disposition of Materials” completed and signed. Due to the somewhat unique nature of our activities, I would like to take the opportunity to provide an overview of the disposal and survey protocols as they relate to form 314.

**Section B. Disposal of Radioactive material:** A typical research vessel is equipped with multiple modular laboratories, often referred to as “vans”. These units are self-contained and assigned to individual research groups from different institutions and universities. There is also an RSO onboard that has purview over all of the labs or “rad vans” on the ship. Each cruise has its own waste collection protocol, but typically consists of waste collection and consolidation by the RSO and Authorized Users onboard. Upon returning to port, waste and unused source material is removed from the ship and disposed of by a licensed contractor. Waste and excess source material is not returned to individual institutions.

**Section C. Surveys Performed and Reported:** Prior to departure, contamination surveys are performed in each lab and throughout the ship by the ship’s RSO. During operations at sea, AUs perform regular contamination surveys and report those results to the RSO. Upon the conclusion of the cruise AUs perform a final survey and dispose of any radiological waste according to protocols. Subsequently the ship’s RSO performs an additional survey of each lab and the ship as a whole.

Records pertaining to waste disposal and contamination surveys exist for each cruise and are available upon request.

Please contact me should you require any additional information or clarification.

Sincerely,



Eric M. Fidler

(01-2021)  
10 CFR 30.36(j)(1);  
40.42(j)(1); 70.38(j)(1);  
and 72.54(k)(5)(1)(1)



**CERTIFICATE OF DISPOSITION  
OF MATERIALS**

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the FOIA, Library, and Information Collections Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollections.Resource@nrc.gov](mailto:Infocollections.Resource@nrc.gov), and the OMB reviewer at: OMB Office of Information and Regulatory Affairs, (3150-0028), Attn: Desk Officer for the Nuclear Regulatory Commission, 725 17th Street NW, Washington, DC 20503; e-mail: [ira\\_submission@omb.eop.gov](mailto:ira_submission@omb.eop.gov). The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the document requesting or requiring the collection displays a currently valid OMB control number.

LICENSEE NAME AND ADDRESS

College of William and Mary-Virginia Institute of Marine Science  
1370 Greate Road., P.O. Box 1346  
Gloucester Point, VA 23062

LICENSE NUMBER

45-07112-01

DOCKET NUMBER

030-06569

LICENSE EXPIRATION DATE

January 31, 2026

**A. LICENSE STATUS (Check the appropriate box)**

- This license has expired.  This license has not yet expired; please terminate it.

**B. DISPOSAL OF RADIOACTIVE MATERIAL**

*(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)*

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.
  - a. Transfer of radioactive materials to the licensee listed below:
  - b. Disposal of radioactive materials:
    - 1. Directly by the licensee:
    - 2. By licensed disposal site:
    - 3. By waste contractor:  
\*\*\*\*Please see attached document for further explanation\*\*\*\*
  - c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

**C. SURVEYS PERFORMED AND REPORTED**

- 1. A radiation survey was conducted by the licensee. The survey confirms:
  - a. the absence of licensed radioactive materials
  - b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- 2. A copy of the radiation survey results:
  - a. is attached; or  b. is not attached (Provide explanation); or  c. was forwarded to NRC on: \_\_\_\_\_ Date
- 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
  - a. The results of the latest leak test are attached; and/or
  - b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
Eric M. Fidler	Radiation Safety Officer	804-684-7322	emfidler@vims.edu

Mail all future correspondence regarding this license to:

1370 Greate Road., P.O. Box 1346, Gloucester Point, VA 23062

**C. CERTIFYING OFFICIAL**

**I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT**

PRINTED NAME AND TITLE	SIGNATURE	DATE
Eric M. Fidler - Radiation Safety Officer		12/16/2021

**WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.**