**Authorized User:** Click here to enter text. **Radionuclide:** Click here to enter text.

**Activity:** Click here to enter text. **Inventory #:** Click here to enter text.

**Vessel Name:** Click here to enter text. **Dates of Use:** Click here to enter text.

**Approval:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Radiation Safety Officer Captain**

**Instructions:**

1. When it is necessary for UWM Researchers to use radioactive materials on board UWM Research Vessels, it should be noted that all rules regarding the safe use of radionuclides, as outlined in the “Guide to the Safe Use of Radionuclides at the University of Wisconsin-Milwaukee”, must be followed in addition to any requirements which may be established by Radiation Safety or the Captain.
2. To use radionuclides aboard research vessels, please complete the above information and send this form to Radiation Safety. The approved form will be returned to you. Present the original to the Captain before your cruise. **This form serves as: (a) your authorization to use radionuclides aboard the vessel, and (b) your “Bill of Lading” or inventory record of the amount of radioactivity you brought aboard the vessel.** The Captain will enter the above information in the ship’s log for documentation purposes and return the form to you after all radioactivity has been removed from the vessel.
3. Follow the attached “**Checklist**” to ensure all regulatory requirements are met. Maintain completed documents for review by regulatory officials.
4. **Remember these special precautions:**
   1. Secure all sources of radioactivity against spillage which could arise from movement of the vessel.
   2. Use unbreakable containers and double containment for all sources whenever possible.
   3. Never use radionuclides in eating or berthing areas.
   4. Do not release any radioactivity into the environment.

**Shipboard Use Checklist**

**Before Cruise:**

\_\_\_\_\_\_ Provide Radiation Safety with a protocol describing anticipated use.

\_\_\_\_\_\_ Submit “Shipboard Use” (Form 410) to Radiation Safety as required.

\_\_\_\_\_\_ Arrange for radioactive materials to be transported to boarding site if other than CGLS dock.

\_\_\_\_\_\_ Verify that your DOT RAD Training is up-to-date.

\_\_\_\_\_\_ Collect all necessary spill control, containment, waste containers, and safety equipment.

**On Board Vessel:**

\_\_\_\_\_\_ Designate and label work area, equipment, and storage areas.

\_\_\_\_\_\_ Prohibit eating, drinking, and smoking in radionuclide work area. Radionuclides must not be used in eating or berthing areas.

\_\_\_\_\_\_ Use lab coats, disposable gloves, and safety eyewear for personal protection.

\_\_\_\_\_\_ Frequently monitor work area to detect and control the spread of contamination to other areas of the vessel.

**At Completion of Cruise:**

\_\_\_\_\_\_ Collect and package all radioactive materials, including waste, for return to the University for further analysis or disposal.

\_\_\_\_\_\_ Complete a thorough area monitoring survey of vessel work area. Perform and document any decontamination actions as necessary.

\_\_\_\_\_\_ Report any problems or concerns involved with the cruise to the Radiation Safety Program as soon as possible.

**Project Completed.**

All materials were returned to CGLS/Campus Radiation Safety.

**User:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Date:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_