AUTHORIZATION TO USE RADIOACTIVE MATERIALS ABOARD
UWM RESEARCH VESSELS

AUTH. USER: ____________________________ RADIONUCLIDE: ________________________

ACTIVITY: ____________________________ INVENTORY #: __________________________

VESSEL NAME: __________________________ DATES OF USE: ________________________

APPROVED:

HEALTH PHYS.: ____________________ 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 original 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:
   * Secure all sources of radioactivity against spillage which could arise from movement of the vessel.
   * Use unbreakable containers and double containment for all sources whenever possible.
   * Never use radionuclides in eating or berthing areas
   * Do not release any radioactivity into the environment

10/92
SHIPBOARD USE CHECKLIST

BEFORE CRUISE

___ Provide Radiation Safety with a protocol describing anticipated use
___ Submit "Shipboard Use" form to Radiation Safety as required
___ Arrange for radioactive materials to be transported to boarding site if other than CGLS dock
___ Collect all necessary spill control, containment, 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.
___ Secure all sources. Use double containment and spill trays for all liquid procedures.
___ 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 vessel.

AT COMPLETION OF CRUISE

___ Collect and package all radioactive materials, including waste, for return to 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 in cruise to the Radiation Safety Program

Project Completed. All materials returned to CGLS/Campus Radiation Safety.

User: _______________________________ Date: ____________________________