At Sea/In Field Radioactive Material Authorization

Authorized User: Kathleen Scott		**Authorization Number:** KS09102014
Institution/Organization and Department: University of South Florida		**Date Approved:** 09/10/2014 **Authorization Dates:** 09/10/2014 – 12/10/2014
Research Vessel/Field Location: R/V Atlantis, East Pacific Rise, 9 and/or 13N sites		**Cruise Dates:** 11/02/2014-11/26/2014
Isotope(s): a. C-14 b. C-14	**Chemical/Physical Form:** a. Sodium Bicarbonate (liquid) b. Citric Acid (liquid)	**Maximum Activity:** a. 2 mCi b. 0.05 mCi
Authorized Radiation Workers: Juliana Leonard		
Authorized Use and Storage Areas: Isotope Van		

Conditions of Authorization:

- Authorized users may be responsible for all costs associated with significant decontamination efforts. UNOLS expects that research vessels and isotope vans are kept free of contamination that could impact natural radiotracer research: http://www.rsmas.miami.edu/groups/tritium/SWAB-comments-reports.html
- It is the responsibility of the authorized user to arrange for the removal and disposal of all radioactive waste that was generated.
- Work with dispersible/volatile radioactive materials must be performed within a properly labeled lab hood.
- All applicable requirements of the Radiation Safety Manual must be followed, including Protocol 14.
- Eating, drinking, smoking, and application of cosmetics is prohibited in any radioactive material use and storage areas.
- A copy of this authorization shall be posted in the work area.
- All radioactive materials must be properly labeled and in appropriate containers that prevent or minimize leaks, spillage, and contamination. All radioactive materials must be properly secured or under direct control of authorized personnel.
- Doors of work areas and storage areas must bear an appropriate 'Radioactive Material' sign
- All spills must be immediately reported to the Chief Mate
- Contamination surveys of all authorized radiological work areas shall be conducted in accordance with the Radiation Safety Manual. Work areas must be surveyed first then cleaned if contamination is found, to minimize waste. A thorough 'close out' survey shall be conducted of all equipment used. The results of all surveys shall be given to the Chief Mate or his designee.
- No radioactive material shall be discharged overboard. All radioactive waste must be collected for disposal. Segregate and collect liquid and dry waste in separate containers. Minimize the generation of mixed radioactive and hazardous wastes.
- Lab coat and gloves are required when handling radioactive materials. Change gloves as necessary to prevent cross contamination of the other van areas/equipment.
- Any changes in radioactive material, material use or storage areas, radiation, and/or possession limits will require an amendment to your Authorization prior to initiating your research.

Approved: RSO/Radiation Safety Committee **Date:** 9/11/2014