INSTRUCTIONS F T

Human use - The intentional use of any radiation source in or on humans

PPE - Personal Protective Equipment

RSO - Radiation Safety Officer

RSC - Radiation Safety Committee

Prospective User - A candidate to become an Authorized User

Approval for field release may only be granted by the State of Georgia on a case by case basis. At a minimum, an extended time delay in the permit process would be involved in granting approval for this type of field use. Researchers using radioactive material in live animals must also obtain approval from the Institutional Animal Care and Use Committee (IACUC).

Section 6 Prospective User Training and Experience Summary

In the training history section, record any specific radiation safety courses completed. Include training completed at the University of Georgia as well as other institutions or facilities. Approximate information regarding course hours and dates is sufficient. Supporting documentation such as certificates, class rosters, letters from former radiation safety organizations and the like should be included when available and may be attached to the application.

In the radiological work experience portion, please describe the types of sealed sources and radioisotopes you have experience working with. Include general information regarding the maximum quantities of radioactive materials with which you have experience. Quantities should be described in general ranges representative of the typical quantities you have experience handling during individual operations (<1mCi, 1 to 10 mCi, etc.). Again, approximate dates are sufficient.

Section 7 Technician or Assistant Training and Experience Summary

Complete section 7 in the same manner as section 6, except that the training and experience of your primary laboratory technician or assistant is listed.

Section 8 Facilities Description

Please provide a map or diagram of the laboratory as an attachment. Denote on the map and/or describe the proposed radioactive material use facilities. Include locations of hoods, sinks, cold rooms o 6eb.3 (a)-0.6 (c)-1.9 ( )u0.6 (o)b0.6 (c)ab.3 (t)-2.6oo o 6-(anL7.7 ( )S1.5 (peC)2 (t) u0.6 (o)-0.6 (c)eb.3 (a)t)4 (s

Portable instrumentation calibration services are provided by the UGA Radiation Safety Office. If your instrument does not have a calibration certificate from a qualified vendor, calibration will be required prior to radioactive material use. In addition, calibration of monitoring instrumentation is required on an annual basis.

In the case of sample counting instruments, such as liquid scintillation counters, shared instruments may also be acceptable. Please denote in the comments section the location of any such instrumentation and identify if they are primary, backup, or shared devices.

Section 10 Waste Handling and Disposal

Waste handling and disposal must be performed in accordance with the instructions specified in the Radiation Safety Manual. Segregation of dry waste, liquid waste, long lived waste, short lived waste, biological waste, and mixed waste is essential. A detailed Waste Control Plan must be provided if mixed waste, biomedical radioactive waste, or large quantities of radioactive waste are to be generated. If submission of a separate Waste Control Plan is not required, please discuss any general information regarding waste reduction, waste handling, and waste volume estimations in the project specific information section (section 11).

mixed with radioactive materials may not be incinerated, disposed of as ordinary trash, or offered for disposal via a contractor without the written approval of the Radiation Safety Office. The Radiation Safety Office will not pick up any waste in orange or red "biohazard bags." The Prospective User must initial the box in section 10 indicating that she/he certifies that all mixed biomedical wastes generated under the permit will be verified as deactivated, decontaminated, or sterilized prior to disposing of it via the Radiation Safety Office.

Section 11 Project Specific Information Regarding Methods to Maintain Exposure to Radiation and Radioactive Materials ALARA

In addition to the requirements of the UGA Radiation Safety Manual, please detail any project specific information here or with an attachment. Briefly discuss relevant information about personal protective equipment (PPE), proposed Radiation Worker training, personnel contamination monitoring requirements, frequency and methods of work area monitoring, access controls, volatile material handling methods, ALARA statements, use of shielding, remote handling tools, waste disposal, etc. Include information regarding planned response to spills, personnel contamination events, and emergency conditions.

Section 12 Acknowledgement of Responsibility

This section lists some specific requirements for which the candidate for radioactive material use needs to acknowledge their responsibility. The UGA Radiation Safety Office will provide support and assistance to all radioactive material users in achieving regulatory compliance. Ultimately, the success of any radiation safety program depends upon all individuals involved in radiological work to accept their responsibilities in maintaining exposure to radiation and radioactive materials ALARA.

The prospective user must sign and date in the space provided. Also, the department head of the prospective user is required to sign the application. This provides assurance to the Radiation Safety Committee that the department head is aware of the proposed use of radioactive materials. Prospective users who are tenants in leased space at the University should have a representative of The University of Georgia's Research Foundation, Inc. sign as department head.

Submission of Paperwork

Please submit all paperwork to the following address. You should contact the Radiation Safety Office if you have any questions in completing the application.

UGA Radiation Safety Office