



**ENVIRONMENTAL HEALTH
AND SAFETY**

**LABORATORY BASED TRAINING
FOR ANALYTICAL X-RAY EQUIPMENT SAFETY**

This laboratory-based training must be completed and on file with the Radiation Safety Office U-4097 prior to working with or near radiation-producing equipment. This serves as supplemental training to the X-ray Safety User Training provided by EHS through HuskyCT. The supervisor responsible for overseeing the laboratory's radiation-producing equipment must present this portion of the training to applicable individuals.

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**Name of Trainee (print):** \_\_\_\_\_ **NetID:** \_\_\_\_\_

**User** \_\_\_\_ **or Non-User** \_\_\_\_

**Date HuskyCT X-ray Safety Training Completed (users only):** \_\_\_\_\_

**Trainee Signature:** \_\_\_\_\_  
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Equipment Supervisor (print): _____

Date Laboratory Based Training Completed: _____

X-ray Unit(s) Covered by this Training (users only): _____

Equipment Supervisor Signature: _____
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**REQUIRED TOPICS FOR USERS & NON-USERS (check each item as it is discussed)**

- \_\_\_ Identification of X-ray equipment and radiation hazards associated with them.
- \_\_\_ Significance of the various radiation warning, safety devices and interlocks incorporated into the equipment, or the reasons they have not been installed on certain pieces of equipment and the extra precautions required in such cases.
- \_\_\_ Informed of requirement to report potential safety or security concerns pertaining to the analytical X-ray equipment to the equipment supervisor and the Radiation Safety Officer (RSO).
- \_\_\_ Informed of monitoring badges used during instrument operation, if applicable, and routine survey and inspection performed by EHS Radiation Safety.
- \_\_\_ Informed of laboratory emergency procedures and contact information for the equipment supervisor and the RSO.

**REQUIRED TOPICS FOR USERS ONLY (check each item as it is discussed)**

- \_\_\_ Administrative controls, documentation requirements, procedures for equipment use, and location of procedures.
- \_\_\_ Limitations and conditions relative to the safe use of the equipment reviewed including the requirement to report unsafe conditions or operational change that could adversely impact radiation safety to the equipment supervisor and the RSO.
- \_\_\_ Survey and monitoring requirements reviewed to include procedures for survey meter checks and operation, if applicable and proper use, storage and exchange procedures for personal and/or area monitoring badges, if issued.
- \_\_\_ Steps to be taken to prevent entry into X-ray beam by user or unauthorized personnel when unit is left unattended.
- \_\_\_ Proper procedures for reporting an actual or suspected exposure and symptoms of an acute localized exposure.