

SYRACUSE UNIVERSITY
ENVIRONMENTAL HEALTH AND SAFETY SERVICE OFFICE

**MULTI-SENSOR CORE LOGGER
IN-LABORATORY RADIATION SAFETY ORIENTATION FORM**

In laboratory radiation safety training for the multi-sensor core logger (MSCL) must be performed by the Radiation Supervisor or another radiation safety trained and authorized MSCL operator. The instruction must be completed prior to independently operating the MSCL and/or prior to being in the MSCL laboratory without being directly supervised by an authorized MSCL operator. Instruction must be provided on each of the general radiation laboratory safety topics listed Section 1 below. Anyone who will independently be operating the MSCL must also be provided with training on the operational and radiation safety specific procedures for the MSCL and document this training in Section 2 below.

This training must be completed **within 4 months** of obtaining conditional approval to use the MSCL unless an extension is granted by the RSO. This completed form must be submitted to the University's Environmental Health and Safety Services. A copy of this form should be maintained by the Radiation Supervisor.

Name: _____ **Radiation Supervisor:** Dr. Chipman
Laboratory
Location: Heroy 012 **Trainer:** _____

Section 1: General Laboratory Safety Instruction

Instruction Topic	Date Completed	Signature of Trainer
Location of the radiation hazards on the MSCL (Cs-137 source and X-Ray Fluorescence Sensor)		
MSCL barricade purpose and requirements		
Safety devices and hazard reduction methods		
MSCL Laboratory entry and use restrictions		
Location of radiation safety related documents, records, manuals, and postings		
Location and use of standard operating procedures		
Location of emergency exits, fire extinguisher and emergency wash equipment		
Emergency procedures, emergency phone numbers		
Other general radiation and laboratory safety procedures and considerations specific to the lab		

Section 2: MSCL Specific Operational and Safety Procedures Instruction *(use additional sheets if necessary)*

Procedure Instructed On	Date Completed	Signature of Trainer
Operation of the MSCL		
Radiation Safety requirements and considerations for operating the MSCL		
Location and use of personal dosimetry and radiation survey meter		

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Return completed forms to SU EHSS at 029 Lyman Hall or scan and email to rijponza@syr.edu