

**SYRACUSE UNIVERSITY  
ENVIRONMENTAL HEALTH AND SAFETY SERVICES**

**X-RAY USER IN LABORATORY RADIATION SAFETY TRAINING FORM**

X-ray laboratory training must be performed for the specific x-ray system to be used. If multiple x-ray systems are to be used, a separate form must be completed for each x-ray system. Training must be provided by the Radiation Supervisor or another authorized x-ray user in the x-ray laboratory prior to independently using the x-ray equipment. Instruction must be provided on each of the general x-ray safety topics listed below. Instruction must also be provided for each x-ray specific procedure the individual will be required to perform with the x-ray system. All training must be documented on this form and 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:** \_\_\_\_\_

**Laboratory Location:** \_\_\_\_\_ **Trainer:** \_\_\_\_\_

**X-ray System Trained On:**

- Chemistry Single Crystal XRD (Bruker Apex Duo)       Engineering Powder XRD (Rigaku)  
 Chemistry Powder XRD (Bruker D2 Phaser)       Engineering-SBI WAX X-ray (Rigaku PSAX)  
 Chemistry XRF (Amptek MiniX)

**General X-ray Laboratory Safety Instruction**

| Instruction Topic  | Date Completed | Signature of Trainer |
|--|----------------|----------------------|
| Theory of x-ray operation  |                |                      |
| Proper use of x-ray system   |                |                      |
| Proper x-ray system start up and shut down procedures                          |                |                      |
| Emergency procedures   |                |                      |
| Location of radiation safety related documents, records, manuals, and postings |                |                      |
| Interlocks and safety devices  |                |                      |
| Location of emergency exits and exit routes                                    |                |                      |
| Standard operating procedures  |                |                      |
| Other Instruction  |                |                      |

**X-ray Specific Procedures Instruction** *(use additional sheets if necessary)*

| Procedure Instructed On | Date Completed | Signature of Trainer |
|-------------------------|----------------|----------------------|
|                         |                |                      |
|                         |                |                      |
|                         |                |                      |

Return completed forms to SU EHSS at 029 Lyman Hall or scan and email to [rjponza@syr.edu](mailto:rjponza@syr.edu)