

**YOUNGSTOWN STATE UNIVERSITY**

**DOCUMENTATION OF RADIATION TRAINING OF INDIVIDUALS**

\_\_\_\_\_  
Name of Individual (Please Print)

\_\_\_\_\_  
Social Security #

\_\_\_\_\_  
Date of Training

\_\_\_\_\_  
Name of Trainer (Please Print)

\_\_\_\_\_  
Name of Instrument(s)

**TOPICS DISCUSSED**

Please check the topics addressed during training.

1. Radiation/Radioisotopes

- Products of decay (Alpha, Beta, Gamma)
- Activity of radioactive materials
- Units of measure
- X-Rays

2. Radiation Monitoring

- Area monitoring
- Basics of survey meters
- Scintillation counters
- Principles of Film/TLD badges

3. Biological Effects of Radiation

- Somatic/genetic effects
- Symptoms of acute/chronic exposures
- Effects during pregnancy

4. Procedures to Reduce Exposure

- ALARA
- Shielding/Distance/Time
- Principle of natural decay
- Proper waste disposal

5. Radiation Safety Procedures

- Permissible exposures
- Emergency procedures (Spills, accidents, etc.)
- Procedure for reporting an actual or suspected exposure
- Room designation
- Proper signage

6. Standard Operating Procedures

- Activation procedure
- Operation procedure
- Safety devices, interlocks and warning devices
- Deactivation procedure
- Maintenance procedures
- Competency demonstrated in operating equipment
- Identification of hazards associated with equipment

7. Miscellaneous Topics

- Procedure for reporting suspicious or unusual behavior of co-workers or others in the vicinity

I acknowledge that I have received instruction on the radiation topics checked above, and have been trained on the radiation equipment specified. I have been given the opportunity to review the training materials and ask questions.

\_\_\_\_\_  
Signature of Individual

\_\_\_\_\_  
Date

I acknowledge that I have trained the above individual in the radiation topics checked above, and that he/she has demonstrated competence in those topics.

\_\_\_\_\_  
Signature of Trainer

\_\_\_\_\_  
Date

Reference materials utilized:

- Radiation Safety for Laboratory Technicians, Charles A. Kelsey, Ph.D.
- Instrument Standard Operating Procedures
- Standard Operating Procedures for X-Ray Generating Equipment
- Youngstown State University's Radiation Safety Manual