

University of Lethbridge
Physics - Authorized Worker Confirmation of Lab-specific Radiation Safety Training

Radioisotope Permit Holder Name:	Date:
Supervisor Name:	Permit #
Supervisor Signature:	

Radioisotopes Used	Experimental Procedure (Name or description)	Activity Used in Experimental Procedure

Radiation Awareness Training only	<input type="checkbox"/> Check if individual is not working with radioisotopes (complete items 1-6 below)
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Competency Requirements	Competent Authorized Workers must demonstrate specific knowledge, understanding and skills in the following areas:	Completed		Comments (Add additional info if required)
		YES	NO	
1. Hazard Assessment	Understands the hazards associated with each radioisotope used in lab and all lab procedures (review hazard assessment)			
2. Spill Response Procedures	Understands the following: <ul style="list-style-type: none"> • Spill kit location and spill cleanup procedures • Reporting requirements, contact numbers • Contamination surveys and waste management 			
3. Security	Understands measures to be taken by staff: <ul style="list-style-type: none"> • Keep door locked and closed when lab vacant, question strangers, etc. • Sources locked when not in use (i.e. do not leave sources unattended at any time) 			

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		YES	NO	(Add additional info if required)
4. ALARA	Conducts procedures in manner to reduce exposures: <ul style="list-style-type: none"> • Demonstrates use of increased distance from the source, minimized time around radioactive materials, use of correct shielding 			
5. Dosimetry	<ul style="list-style-type: none"> • Understands wearing requirements, storage location/requirements and dosimeter exchange procedure 			N/A
6. PPE	<ul style="list-style-type: none"> • Demonstrates the proper use of personal protective equipment (PPE) - safety glasses, lab coats, gloves, appropriate clothing 			
7. Contamination Monitoring	<ul style="list-style-type: none"> • Demonstrates correct procedure for using portable contamination monitoring meters (operational checks – battery, source response), measure background, documentation of results) • Demonstrates correct procedure for using liquid scintillation/gamma counter (calibration and verification of accuracy, swipe test procedure, documentation of results) • Understands UofL action limits for contamination and CNSC licence contamination limits • Understands reporting requirements 			N/A – this is performed by supervisor
8. Purchasing and Acquisition	<ul style="list-style-type: none"> • Understands required information on all orders - review example of completed form (i.e. chemical name, isotope, activity, cat #, Permit holder name and signature, Permit Number, inventory on hand) • All purchases of radioisotopes, check sources, radiation devices (and transfers) require RSO approval • How to swipe test incoming shipments • Recording of contamination monitoring results (attach to inventory form) • Proper disposal of packaging 			N/A – this is performed by supervisor

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		YES	NO	
9. Inventory	Demonstrates the following: <ul style="list-style-type: none"> • Complete inventory record when procedure is complete (“cradle to grave”) • Sealed source sign out procedure and record keeping (if applicable) 			
10. Waste Disposal	Demonstrates the following: <ul style="list-style-type: none"> • Prepare open source waste for disposal (Isotope generator – follow lab procedure; contact RSO regarding sealed source disposal) • Complete paper work (waste disposal form) and verify activity is correct 			
11. Resources	<ul style="list-style-type: none"> • Copy of Radiation Safety and Procedures manual available in lab • Risk and Safety Services webpage – information, questions, forms • Radiation Safety Data Sheets area available for radioisotopes used 			
12. Other:				
13. Other:				

Comments:

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All personnel handling open and/or sealed radioactive sources must have **BOTH** generic and site-specific training documented below.

I have read carefully and understand all of the safety requirements and procedures for working safely with radioisotopes in the lab. I also agree to read all procedures for specific experiments contained in the Radiation Safety and Procedures Manual and/or laboratory manuals. **I recognize that it is my responsibility to strictly follow these procedures.**

I understand that I am required to **wear personal protective equipment**, such as safety glasses, lab coat, gloves etc., at all times when directed to do so in the laboratory.

If I am unsure of the potential hazards related to lab procedures, I will discuss this with my supervisor prior to undertaking the procedure in question.

LABORATORY PERSONNEL:

Authorized Worker (print name)	Generic Radiation Safety Training Date	Job-specific Training Date	Authorized Worker Signature	Principal Investigator/ Supervisor Initial

Retain a copy of completed form and forward a copy to Radiation Safety Officer.