

RADIATION WORKER TRAINING – OPEN SOURCE USERS

LEVEL 1 COMPETENCY

- 1) All new open source users should complete the e-learning level 1 training course. This course is a basic introduction to working safely with unsealed radioactive materials at Leeds. Instructions on how to access the course are at <http://wsh.leeds.ac.uk/info/218/training>.
- 2) When you have completed the course you will then need to undertake further practical training at the Radiation Protection Service. Instructions on booking a practical session are in the e-learning course.

LEVEL 2 COMPETENCY

- 3) Your Radiation Protection Supervisor (RPS) or a person nominated by them will give you a radiation safety induction before you start working with radioactivity. The induction should build on the basic information in the Level 1 course and give you specific instructions about how radiation safety is achieved in your lab and the local procedures that you should follow.
- 4) A checklist of the areas to be covered in the Level 2 training is given overleaf and your trainer should sign off each section to show that the training has been completed satisfactorily.

GET GOING

- 5) Once you have completed the level 1 and level 2 training your RPS should sign the form overleaf to confirm that your radiation safety training has been completed and that you are ready to start working with radioactivity.
- 6) Then forward the form to your Radiation Safety Coordinator who will authorise your application.
- 7) You will then receive a permit to use radioactivity at Leeds and be given full access to the RSID system.



Radiation Worker Local Training Record

UNIVERSITY OF LEEDS

Name		
Faculty / School / Institute & Group		
Prior to working with sources of ionising radiation all new users must be given a laboratory induction and local radiation safety training covering the following areas.		Trainer to initial each section
Risk assessment <ul style="list-style-type: none"> General risk assessments have already been prepared for most applications and are available at http://wsh.leeds.ac.uk/info/214/ionising_radiation/80/open_sources. The worker has read the relevant parts of these risk assessments and is familiar with the associated control measures. Dose assessments are completed on the RSID system for each radionuclide and technique used by the group. The worker has read the relevant dose assessment or will complete a new dose assessment if appropriate. 		
Local Rules / SOPs <ul style="list-style-type: none"> The worker has read the local rules for the group and any Standard Operating Procedures (SOPs) relevant to the proposed work, including emergency procedures. 		
Designated Areas and hazard warning <ul style="list-style-type: none"> The worker understands why labs are designated as 'Supervised' or 'Undesignated' and what this means with respect to the type of work that can be carried out in each. The worker understands the meaning of hazard warning signs and the necessity of labelling refrigerators and other stores where radioactive materials are held. 		
Contamination control <ul style="list-style-type: none"> The worker knows how to prevent the spread of radioactive contamination and understands the appropriate methods for monitoring work areas. The worker understands the purpose of different monitors and how to 'wipe test' if using tritium. 		
Dosimetry <ul style="list-style-type: none"> The worker understands the use of personal dose meters (body and extremity TLDs) for dose measurement and when these are appropriate. 		
Receipt and storage of radioactive materials <ul style="list-style-type: none"> The worker understands the purchase / acquisition procedures, knows how to open radioactive packages and what checks to carry out to ensure the integrity of the contents. The worker knows how to store radioactive materials safely and securely. 		
Record keeping <ul style="list-style-type: none"> The worker understands how to make records of usage and disposals using the RSID system and is also aware that all stocks and aliquots must be labelled with the RSID number. 		
Waste disposal arrangements. <ul style="list-style-type: none"> The worker is aware of the arrangements for the disposal of radioactive waste. 		
Handling techniques. <ul style="list-style-type: none"> The worker knows how to set up a radiation 'workstation' using trays, surface protection (Benchkote), and appropriate shielding. The worker has received relevant instruction and training for the experimental techniques they will be undertaking and appropriate supervision has been arranged. 		
Trainer	Signed	Date
Radiation Protection Supervisor	Signed	Date