

GENERAL INSTRUCTIONS FOR THE LRS CONTROLLED AREA

Opening hours: Monday to Friday (08h00 – 17h00)

For students and visitors

- Access to the controlled area is only possible via authorized CAMIPRO cards or accompanied by an LRS responsible.
- Each student or a visitor must be equipped by a personnel dosimeter RADOS / IsoTrak. One dosimeter per group rule can be applied by an LRS responsible for big groups of visitors.
- Entrance date, time, dosimeter number, full name, institution must be recorded in the logbook of the LRS controlled area.
- Exit date, time, obtained integral dose and signature must be recorded in the logbook at the end of the visit; an LRS responsible need to be informed if the received integral dose $> 1\mu\text{Sv}$.
- Eating, smoking, drinking and applying make-up are all forbidden in the LRS controlled area.
- Jackets, bags or other personal belongings need to be stored in the locker room.
- Barriers and protective equipment around areas that have increased ambient dose rate must not be removed or modified without the permission of an LRS responsible.
- Each student or a visitor must undergo a surface contamination screening at the end of the visit. One person measured per group rule can be applied by an LRS responsible for big groups of visitors.
- Each student or a visitor must follow instructions given by the LRS staff.

For the LRS staff and researchers

- Access to the controlled area is only possible via authorized personal CAMIPRO cards.
- The LRS staff and researchers are equipped by personal dosimeters (β , γ , neutron) or by RADOS / IsoTrak.
- Young people under the age of 18 may only work in the LRS controlled area for training purposes.
- Eating, smoking, drinking and applying make-up are all forbidden in the LRS controlled area.
- Jackets, bags, bicycles, sport equipment or other personal belongings need to be properly stored in the locker room.
- The contamination monitor positioned at the exit from the CROCUS reactor hall must be used to check for any possible contamination each time an individual leaves the LRS controlled area.
- Any individual who handles or is responsible for radiation sources must take all the necessary steps to comply with the radioprotection rules and dose limit values prescribed by ORaP.
- Any individual needs to report a received integral dose $> 10\mu\text{Sv}$ to the responsible of LRS nuclear facilities.

- New projects and activities that may entail the emission of ionizing radiation as well as intended changes to existing facilities of relevance for radiation protection must be notified to the responsible of LRS nuclear facilities.
- Anyone who intends to employ external companies in the control zone must inform the responsible of LRS nuclear facilities in advance so that the authorization situation and the scope of dosimetric monitoring can be clarified.
- Anyone who intends to bring a radioactive source onto the LRS site must declare this intention to the responsible of LRS nuclear facilities.
- Anyone who wishes to move temporarily radioactive substances or materials outside the LRS controlled area, but still within areas of EPFL (teaching or experimental purposes) must inform the responsible of LRS nuclear facilities.
- The loss or discovery of a radioactive source must be reported to the responsible of LRS nuclear facilities.
- Barriers and protective equipment around areas that have increased ambient dose rate must not be removed or modified without the permission of an LRS expert in radioprotection.
- If it is not possible to fit suitable shielding in particular cases, an LRS expert in radioprotection will decide on any other necessary radiation protection measures.
- Radioactive materials may not be mixed with inactive materials for the sole purpose of removing them from the scope of ORaP.
- Contaminated items with sharp edges, in particular syringes, should be sealed (e.g. in cardboard boxes) in such way that the container's contamination barrier cannot be damaged on the way to the storage room (PH LO 509).
- Each radiological incident, or even a suspicion that one may have occurred, must be reported to the responsible of LRS nuclear facilities.
- Individuals affected by a radiological incident must remove themselves as quickly as possible from the direct area of danger and go to a safe place of assembly, which will be determined on site, depending on the situation. While there, they will be checked for contamination by the LRS staff.
- Each researcher or the LRS staff must follow instructions given by the responsible of LRS nuclear facilities.