ENEEP Group Educational Activities

ENEEP Partner: The Slovak University of Technology Bratislava

Access Requirement Database

February 2024

Access Requirement Database - STU

Abstract

The Slovak University of Technology Bratislava, as an organization operating Radioisotope Laboratories (RIL), has a clear, transparent and non-discriminatory system of requirements for access to its RIL. Every person willing to enter the RIL must meet the following requirements:

- to be justified for entering the RIL,
- to accept and comply with the general requirements for entry into the RIL,
- to provide his/her personal data to STU in Bratislava.

Contents

1. Justification for entering the RIL

Justification for access to the RIL is an internal procedure of STU. The eligibility to enter the RIL is assessed by the head of the concerned institute or department and by the radiation safety officer (RSO).

2. General requirements and conditions for entering the RIL

Candidates willing to enter the RIL have to accept and follow these general requirements and conditions:

1. The RIL premises are accessible only to adults above 18 years of age.
2. Pregnant and breastfeeding women are not allowed to enter the RIL.
3. Only employees of the Institute of Nuclear and Physical Engineering (INPE) are allowed to access to the RIL. Other persons can visit the premises of the RIL only if they are accompanied by an authorized employee of INPE.
4. The general safety and hygiene requirements specified by law must be followed in the RIL.
5. Employees performing activities leading to exposure to ionizing radiation must be familiar with the safety and hygiene regulations under current legislation and need to demonstrate their knowledge by examination once a year.
6. Employees and students entering the RIL are required to use personal dosimeters.

7. When working with radioactive substances, it is always necessary to choose such a combination of distance, shielding and working time so that the absorbed dose is as low as possible and does not exceed the limit values (known as ALARA principle).
8. Employees performing activities leading to exposure to ionizing radiation (contamination, production of radioactive substances, manipulation of radioactive substances or manipulation of sources of ionizing radiation) must use appropriate protective equipment, i.e. work shoes and coats which are stored in the locker room outside the radiation controlled area, as well as gloves, tweezers, pliers, etc.
9. Students in the laboratory must be instructed on the valid safety principles and requirements prior to the experimental work. During their stay, two supervisory employees must always be present in the RIL, in order to avoid the possibility of an emergency radiation situation or to take immediate safety measures to prevent the spread of its consequences.
10. It is forbidden to eat, drink or smoke in the RIL as well as carrying food into the laboratory.
11. The RIL are not permitted to be used for purposes other than working with radioactive substances.
12. All instruments and devices used during work with sources of ionizing radiation shall be marked and cannot be used for other purposes in clean areas of RIL (non-contaminated areas or areas without any radioactive substances or sources of ionizing radiation).
13. The locations of radiation sources during the experimental work are marked with appropriate warning signs.
14. When using electronic devices, care must be taken with regard to the presence of high voltage (2 to 3 kV).
15. Before leaving the RIL, the radiation sources must be stored and inserted into the vault and locked.
16. After finishing work with a possibility of contamination of hands with radioactive substances, it is necessary to wash hands and check their cleanliness by a contamination detector.
17. If radioactive substances are dispersed at the workplace, it is necessary to report the case immediately to the head of the institute and to the RSO. Next, it is required to proceed in accordance with the instructions outlined in the emergency plan.
18. Shielding materials, portable shielding walls, shielding chambers, protective containers and protective aids - tweezers, spacers, etc. are used to minimize irradiation or contamination.
19. Sources of ionizing radiation not used for experiments are stored in the vault.

20. The detailed work procedures for laboratory exercises, including instructions for safe work, are given in the instructions for laboratory exercises from the subject ”Nuclear Physics and Technology” and ”Nuclear-Physical Methods and Devices”, published by STU.

3. Data required to allow entry to the RIL

The following data are required in order to allow to enter the RIL:

- name and surname,
- date and place of birth,
- address,
- passport or ID number,
- gender,
- citizenship,
- education (occupation),
- period at STU (from – to),
- medical certificate and occupational exposure history.