**Emergency routines for spills of radioisotope material**

**ANA Futura**

**In case of Personal contamination**

* Remove all contaminated clothing as quickly as possible, including shoes
* Check remaining clothes and skin with a radiation safety instrument
* Place contaminated clothing in a shielded space in a well-sealed plastic bag for depletion
* Wash contaminated skin with a mild soap and warm water without scrubbing. You find shower in corridor and in changing room at 5th floor. Never use solvents or rubbing alcohol, which impair the skin’s natural protection. Wash until additional washing gives no results when checked with a radiation safety instrument.

**If the contamination remains:**

* Contact Sofia Skyttner, KI's radiation protection expert, 0737-12 15 79, [sofia.skyttner@ki.se](mailto:sofia.skyttner@ki.se) , and Marjan Amiri [marjan.amiri@ki.se](mailto:marjan.amiri@ki.se)
* Identify what happened and calculate the dose received
* If necessary, contact the occupational health service for a medical examination
* If the Swedish Radiation Safety Authority’s annual dose threshold is exceeded, the person in question may not continue working with radioactive substances for the remainder of the year
* Complete a local anomaly report
* Review procedures and methods to minimize the risk of recurrence.

**Spillage without personal contamination**

* Soak up the spill with absorbent material. Avoid rubbing, as there is a danger of spreading the contamination. Start cleaning from the edges and work towards the middle of the contaminated area to avoid spread. Clean the surface with soap and water, soaking up all
* Liquid with absorbent material. Decontamination fluid such as Count-Off can be used.
* Use a radiation safety instrument to make sure that the area is clean, and that the contamination has not spread.
* Keep cleaning until the instrument gives no further reading. Clean the surface with plastic-backed paper if the contamination persists. Measure with a radiation safety instrument and note the result on the upper surface of the paper and in the laboratory logbook. Write the date and the name of the contaminated radionuclide and sign the paper with your name and telephone number.

**Emergency measures in case of accidents or incidents**

* All laboratory incidents / near accidents, with or without bodily injury, have to be reported using Karolinska Instiutets internal incident reporting system (<https://ki.se/en/staff/reporting-incidents>) and sometimes also to the Swedish Work Environment Authority (*Arbetsmiljöverket*) and/or to the Swedish Social Insurance Agency (*Försäkringskassan*) ([www.anmalarbetsskada.se](http://www.anmalarbetsskada.se/)).
* To report the injury according to instructions on the KI homepage; to report in the internal KI homepage (http://ki.se/medarbetare/tillbud-och-arbetsskador).