

Instructions for emergencies such as major spills and emissions of hazardous chemicals

Dnr 1–573/2021

Valid from. 2021-06-08



**Karolinska
Institutet**



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Ref.no.number: 1–573/2021	Ref. no previous version: 1–1084/2019	Date of decision: 2021-06-08	Period of validity: Valid until further notice from 2021-06-08
Decided by: Facilities director		Document category: Instructions	
Handled by office/unit: Property and Facilities office; Environment, safety and security unit		Prepared together with:	
Revised concerning: Contact details, title, introduction and type of steering document			

Introduction

For environmentally hazardous activities, instructions for acting in emergency situations must always be in place. In the event of a major spill or discharge of chemicals to sewage network, it is important to contact the treatment plant and the municipality as soon as possible. This instruction must be supplemented with local instructions for the lab or house.

Please note that radioactive waste is handled in accordance with KI's guidelines for radiation safety.

Please note that departments located at the hospitals must apply the hospitals' corresponding rules / instructions. The special chemist from Stena Recycling AB is, however, available for consultation also for these departments.

Incident reporting

An incident that has occurred must be reported in the incident reporting system and to the immediate manager. Spills and incorrect use are reported as work environment incident (or work accident if someone has been injured), discharges to drain is reported as environmental incident. Serious personal injury or incidents that have entailed a serious danger must also be reported to the Swedish Work Environment Authority.

Severe accident where there is a risk for personal injuries or other damage

Call the emergency services (räddningstjänsten): 112.

Major spill or incorrect use of hazardous chemicals

1. Close the area.
2. Consult the risk assessment (written locally for handling of the chemical) or the Safety Data Sheet (SDS). Also check the local emergency procedure. If you are uncertain, call special chemist *Thomas Fritze* for advice, Stena Recycling AB, 010-445 64 81 (office hours), 070-560 7517 (outside office hours).
3. When decontamination help is needed call *Mikael Lönnström*, FA/VA, Ragn Sells, 070 837 92 72 (office hours), 070 927 27 57 (outside office hours).
4. Clean the area yourself **only** if you consider you can do this without major risk. Decontamination of chemicals in a fire-damaged area should always be done by a decontamination company.
 - a. Use protective equipment, such as gloves that can withstand the chemical, goggles or respiratory mask, boots and protective clothing.
 - b. Liquid spills should be removed thoroughly with a disposable absorbent.
 - c. Use a shovel to collect the spill. Transfer to a plastic container with a tight lid. Contaminated gloves, tissue, etc. should also be placed in the same container. Seal the container.
 - d. Put a label on the container with the text: "Spill of xx" (the name of the chemical) and possibly also the text "absorbed in yy (the name of the absorbent)". Also write the name of the person who filled the container.
 - e. The waste should be handled as chemical waste in accordance with [KI rules on laboratory waste](#).
 - f. Clean the floor properly.
 - g. Never let the cleaning staff or other service staff remove chemical spills! They do not have the necessary training for this type of cleaning.

Major accidental discharge of hazardous chemicals to drains

Inform the sewage treatment plant and the environmental inspection unit in the municipality in question. Also inform KI's Environment, safety and security unit.

Environment, safety and security unit; on-call number: 08 524 801 00. For questions call 08 524 865 64.

Campus Flemningsberg (Huddinge):

Henriksdals reningsverk: 08 522 120 00 (office hours), 08 454 25 70 (outside office hours).

For spills/emissions in Flemingsberg, also email information about the incident and contact details to Miljö- och bygglovsförvaltningen at Huddinge municipality, miljotillsyn@huddinge.se or call 08 535 300 00 and ask for an environmental inspector.

Campus Solna:

Käppalaverket: Contact one of the environmental engineers at Kretsloppsavdelningen, 08 766 67 00 (office hours); or, the on-call operations engineer, 08 766 67 36 (outside office hours). In non-acute situations, email kretsloppsavdelningen@kappala.se.

For spills/emissions in Solna, also inform Miljö- och byggnadsförvaltningen in Solna municipality, phone 08 746 10 00 or via the web form at www.solna.se. Alternatively, email miljohalsoskyddsnamnden@solna.se.