

## EMERGENCY PROCEDURES

### Loss or Theft of Radioactive Materials

These must be reported immediately to the RPA or Radiation Protection Physicist/Technician. The RPA has to report to the police and SEPA 'whenever there are reasonable grounds for believing or suspecting that any radioactive source has been lost or stolen.' The RPA also has to report the loss/theft of radioactive material to the HSE. The HSE-reportable levels for loss/theft (Schedule 8, IRR99) for some common radionuclides are given in Appendix 1 (along with the HSE-reportable levels for spills).

### Other incidents

The following incidents must be reported immediately to the RPA or Radiation Protection Physicist/Technician.

*Any incident in which a person or clothing, other than protective clothing, has been contaminated.*

*Any incident in which more than 10 MBq of radioactivity has been spilled.*

*Any incident in which the terms of a Radioactive Substances Act 1993 certificate have been breached.*

*Any incident in which overexposure to radiation is suspected.*

### **The telephone numbers are as follows:**

RPA (Main Campus):	...	...	...	88467
RP Technician (Main Campus):			...	88468
RPA (Ninewells):	...	...	...	(2) 32794
RP Physicist (Ninewells)		...	...	(2) 36489

## APPENDIX I

### NOTIFICATION TO THE HEALTH AND SAFETY EXECUTIVE OF LOSSES/THEFTS OR SPILLS/RELEASES

These occurrences have to be reported if certain activities are exceeded (IRR99, Schedule 8).  
“Trigger” levels for common radionuclides are listed below.

	<b>Loss/Theft (MBq)</b>	<b>Release/Spill (MBq)</b>
Tritiated Compounds	$10^4$	$10^6$
Elemental Tritium Gas	$10^4$	$10^7$
$^{14}\text{C}$	$10^2$	$10^5$
$^{32}\text{P}$	1	$10^4$
$^{33}\text{P}$	$10^3$	$10^5$
$^{35}\text{S}$	$10^3$	$10^5$
$^{125}\text{I}$	10	$10^4$