

Radiation Spill Documentation Form

Principal Investigator: _____

Radiation Worker's Name: _____ Date: _____

Department: _____ Building and Room: _____

Minor and Major spills only relating to radioactive material, when there are no other emergency situations involved in the spill.

MINOR SPILL: Small localized area, no alpha activity, no activity greater than 100 microcuries, and no activity greater than 2 mR/hr at 12 inches.

MAJOR SPILL: Large affected area, any alpha, activity greater than 100 microcuries or radiation levels greater than 2 mR/hr at 12 inches.

EMERGENCY PROCEDURES FOR A MINOR SPILL.

- Confine the spill area. Survey and mark the contaminated area
- Assess the amount of the spill and the exposure in mR/hr
- If the floor is contaminated, immediately notify your supervisor.
- Restrict access to the contaminated area
- Inform other laboratory personnel
- Promptly decontaminate the area. If assistance is needed, contact the Principal Investigator (PI) and EH&S
- Complete the Spill Documentation Form and file it in the radiation notebook behind the present month's survey form

EMERGENCY PROCEDURES FOR A MAJOR SPILL.

- When feasible, immediately turn off experiment. Do not shut off chemical hood.
- Try to prevent the spread of contamination and secure the area. Shield affected area if necessary.
- Warn all other personnel.
- Remove contaminated clothing.
- Notify supervisor and EH&S (x2769) immediately.
- Once the spill has been decontaminated, fill out the Spill Documentation Form and file it in the radiation notebook behind the present month's survey form

BEFORE DECON: Be sure to take and record readings with the appropriate equipment and record the results below.

AFTER DECON: Perform both a wipe test and meter survey. Record all results below.

If wipe tests come back at or below background but you are still getting a reading with the survey meter, the radiation may be bound to the surface. Please contact both your supervisor and EH&S (x2769) for further instruction.

Radioactive Isotope: _____ Total amount of Radioactive Material working with: _____ μCi

Estimated amount of spilled material (μCi): _____

Grid of concentrated spill area:
Numbered to match surveyed areas

Survey BEFORE decontamination

#	Area Surveyed	mR/hr	DPM
1			
2			
3			
4			
5			
6			
7			

Survey AFTER decontamination

#	Area Surveyed	mR/hr	DPM
1			
2			
3			
4			
5			
6			
7			

Comments:

Radiation Worker's Signature: _____

Date: _____

PI's Signature: _____

Date: _____