



# 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.

## 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 OARS (x.2769)
- Complete the Spill Documentation Form and file it in the radiation notebook behind the present month's survey form.

**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 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 NUPD via the SafeZone app 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 OARS ([oars@northeastern.edu](mailto:oars@northeastern.edu)) for further instruction.**



Isotope: \_\_\_\_\_ Total amount of Radioactive Material working with: \_\_\_ uCi  
 Estimated amount of spilled material (uCi): \_\_\_\_\_

**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			

**PI Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_