

Emergency Procedure – Radiation Spill Clean-Up

1. Reporting Criteria for Spills involving Radioactive Materials. (If you are unsure if you should call or a situation does not appear on the list below please call the RSO or ARSO for advice.
 - Personnel contamination or injury (clothing or skin)
 - Unrestricted area is contaminated (an unrestricted area is anywhere outside a posted laboratory, such as a non-posted hallway, sidewalk, automobile etc.)
 - Large Activity spilled (mCi amounts)
 - Large volume (>1 liter)
 - Large area (>10 square feet) contaminated

2. Contact information:
 - Area Supervisor: _____
 - Radiation Safety Officer (RSO): John McGregor - cell phone 928-220-1388
 - Alternate Radiation Safety Officer (ARSO): James Biddle - cell phone 928-220-1728
 - Office of Regulatory Compliance: Matt Freyer 928-607-9995

3. Secure immediate area

4. Confine the spill
 - For liquid spills, put on protective gloves and place absorbent paper over the spill.
 - For dry spills, put on protective gloves and place lightly moistened absorbent paper over the spill, taking care not to spread contamination.

5. Follow the procedures below to clean up spill:
 - Put on protective gear appropriate to type of spill. Lab coat and gloves are the minimum protective gear required.
 - Using remote handling tongs, if applicable, carefully fold the absorbent paper and insert it into a plastic bag and dispose of in a labeled radioactive waste container.
 - All other contaminated materials, such as disposable gloves, should be placed inside the plastic bag.

6. Refer to P:NAU:RAD:3 – Contamination Monitoring for procedures on surveying for removable radioactive contamination.

7. After the area has been decontaminated, inform personnel that the area may be reoccupied.

8. The Area Supervisor, RSO and personnel responsible for the accident will document the spill and area cleanup.