Emergency Procedures

Fixed Gauges

1. Cease work immediately.
2. Notify your radiation safety officer.
3. If the gauge has been partially damaged or destroyed, keep people at least 5 m (approximately 16 ft) away until the source is replaced, reinstalled, shielded, or until radiation levels are known to be safe.
4. Have a leak test performed after any incident that may result in source damage.
5. In case of an accident or fire, do not use the gauge until the damage is assessed by a qualified person.
6. Inform a CNSC duty officer as soon as practical of any theft, accident or incident.
7. A full written report must be submitted to the CNSC within 21 days of a loss or accident.

Portable Gauges

1. Cease work immediately.
2. Keep people at least 2 m (approximately 6 ft) away until the source is removed or until radiation levels are known to be safe.
3. Inform your radiation safety officer.
4. Use a **calibrated radiation survey meter** to ensure safe radiation levels and confirm the degree of damage. Do not proceed without proper protection if radiation levels are unsafe.
   * If the damage is minor, the source is shielded, or the radiation transport index (TI) levels for your gauge are not exceeded, use a **Type A** transport container (i.e. gauge transport case) to move the device.
   * If the damage is severe or the source rod will not retract, use a **special transport container** such as a steel drum with a secure lid and sand or gravel as shielding. Contact the CNSC, as special precautions, packaging, and permissions may be needed to move the device.
5. Before the site is re-opened for regular use, a calibrated survey meter must be used to verify that all sources have been retrieved. If the licensee does not own a meter, arrangements must be made with an external company to ensure that a meter is available in case of accidents.
6. In case of an accident or fire, do not use the gauge until the damage is assessed. A leak test must be performed after any incident that may have resulted in source damage.
7. Inform a CNSC duty officer as soon as practical of any theft, accident or incident.
8. A full written report must be submitted to the CNSC within 21 days of a loss or accident.