

Procedure for Loss of Radioactive Material

1. All newly received packages should be verified with the contents of the purchase order and packing slip to assure that all materials that were ordered were received.

If an item is missing from a shipment, contact the supplier to ascertain that it was shipped.

2. Immediate action must be taken if a source is found to be missing either during the procedure noted above or if noted during routine quality assurance procedures (i.e., daily D.C. checks, flood imaging, or quarterly inventory). Report missing sources immediately to the R.S.O. Trace missing packages from the carrier to security. Survey for missing sources if necessary.
3. Lost or missing radioactive materials must be immediately reported to the regional NRC office as required by 10 CFR 20.2201. A telephone report is due immediately after occurrence if the lost, stolen, or missing radioactive material is equal to or greater than the amount noted below (ref. Appendix C to 10 CFR 20.1001 – 20.2401) under such circumstances that it appears to the licensee that an exposure could result to persons in unrestricted areas.
4. If the lost, stolen, or missing material is less than the amounts tabulated below, reports are due within 30 days. A written report must also be maintained on file as specified in 10 CFR 20.2201 (b).

NRC Operations Center (301) 951-0550

Pennsylvania DEP (717) 787-3720

Radionuclide	Amount (mCi)		Radionuclide	Amount (mCi)
Cobalt – 57	100		Iodine – 125	1
Gallium – 67	1,000		Iodine – 131	1
Technetium – 99m	1,000		Cesium – 137	10
Indium – 111	100		Barium – 133	100
Iodine - 123	100		Thallium – 201	1,000