ENVIRONMENTAL HEALTH AND SAFETY
University of Nebraska-Lincoln

Safe Operating Procedure

(Revised 3/20)

SECURITY OF RADIOACTIVE MATERIALS AT UNL

The purpose of this Safe Operating Procedures (SOP) is to describe security requirements for the use and storage of radioactive material. Security of radioactive material is required by State and Federal regulation, and is a condition of UNL's Broadscope Radioactive Material License.

Security Procedure and Requirements

Authorized users are required to maintain constant surveillance or secure stock solutions of licensed radioactive material to prevent unauthorized removal or access. Trained radiation workers may provide the required surveillance.

Security of standard and/or stock solutions when not under the direct surveillance and physical presence of an authorized user or radiation worker will be accomplished by one or more of the following methods:

- Storage in a locked box or container;
- Storage in a locked refrigerator or freezer; and/or
- Storage in a locked room where all entrances are locked when a radiation worker is not present.

If a locked box or container is implemented, it MUST be attached to the storage location (e.g., chained or strapped to the refrigerator) or the store location (e.g., freezer) MUST be locked.

The above requirements also apply to sealed sources. Security requirements for gauges are provided in the EHS SOP, **Safety Protocol: ^{241}Am(Be) Neutron Probe**.

The above security requirements do not apply to diluted quantities or experimental units of radioactive material.

It is important to note that additional security measures may be necessary depending on the quantity and research application of radioactive material. The Radiation Safety Officer will make the authorized user aware of any additional security requirements.