

ITEM 8 - TRAINING FOR INDIVIDUALS WORKING IN RESTRICTED AREAS

The radiation protection training which is available to AT&T Bell Laboratories employees is presented in the Radiation Protection Training catalog (Attachment 8A). All individuals that work with radioactive material under this USNRC license must attend "R-101: Fundamentals of Ionizing Radiation Protection." An attendance sheet for each training course is completed and placed into the training file for documentation.

Additional special instructions and assistance specific to Gamma Cell operation, as determined by the Radiological Safety Officer, is provided to personnel by the Radiation Protection Department. This instruction includes, but is not limited to, the following topics:

Gamma Cell Facility Operations

Only personnel trained and directly involved in the operation and use of the facility shall be permitted access to the area. Other personnel must receive specific authorization from both the supervisor responsible for the safe operation of the facility and the RSO. Users of the Cobalt-60/Cesium-137 Gamma Cells entering the controlled area of the cell must wear dosimeters.

I. Facility Maintenance Requirements

- A. Users must complete training/orientation before they are authorized to use the Gamma Cell.
- B. User orientation sessions and updating meetings will be held for all users and their supervisors.
- C. Positive door closures shall be maintained.
- D. Appropriate radiation area monitors shall be available and maintained.
- E. A source leak test must be performed semiannually and results recorded.
- F. Interlock checks must be performed every 6 months and results recorded in the log book. The procedure will be performed by the individual responsible for the Gamma Cell.

II. Access

- A. Key Policy - Access doors must be kept locked at all times. It is, therefore, required that all authorized users of a Gamma Cell obtain a personal key.
- B. Personnel Radiation Monitoring Policy
 1. Gamma Cell, operators, and visitors must:

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- a. be film badged
- b. may be temporarily monitored with a pocket dosimeter for a one day only use.

III. Operation

A. General

1. Only personnel who have completed the required training courses are approved as operators of the Gamma Cell. (An approved user list will be posted and maintained.)
2. Operator's Manual and Log Book are maintained; log book entries are to be kept current and complete.
3. Operators are not permitted to perform lubrication or other service to the unit.
4. No physical modifications of the equipment are to be performed.

- B. Materials to be irradiated - A review by the Radiation Protection Department is required prior to irradiations involving liquids (including LN₂), corrosive, or exothermic reactive materials.

IV. Emergency Procedures

A. Radiation Alarm

1. Kill electrical power if possible.
2. Lock door and evacuate to hallway.
3. Determine radiation level on hallway side of door with Survey Meter.
4. Notify person responsible for source.
5. Notify RSO or local RPR.

B. Fire

Perform in following order:

1. As you evacuate, kill electrical power if possible.
2. Exit to hall. Notify emergency response team.
3. Notify person responsible for source.
4. Notify RSO or local RPR.