

Tennessee Department of Environment and Conservation
Division of Radiological Health (DRH)
Agreement State

RSC (Management)

- Authorizes users
- Establishes policies
- Enforces regulation and policies
- Identify program problems and solutions
- ALARA program
- Ensures ionizing radiation used safely
- Reviews and approves protocols

***Radioactive Materials
Broadscope License
and Machine-produced
Radiation***
Vanderbilt University

RSO (Enforcement)

- Manages radiation program
- Identifies radiation safety problems
- Ensures compliance with regulations
- Initiates corrective actions
- Verifies implementation of corrective actions
- Ensures safe use of radiation

Radiation Safety (Operations)

Conception to grave control of RAM

- | | |
|---|---|
| Orders RAM | Receives RAM |
| Collection of RAM waste | Decay storage of RAM waste |
| Shipment of RAM waste | Radiation Worker Training |
| Shielding design | Nuclear Medicine Audits |
| Radiopharmacy Audits | PET Facility Audits |
| Lab Audits | Monitors releases of RAM |
| Monitor I-131 patients | Decontamination of I-131 patient rooms |
| Monitor Brachytherapies (I-125, Cs-137) | Monitors exposures to members of the general public |
| Radiation laboratory surveys | Maintain RAM inventory |
| Maintain training records | Maintain radiation survey records |
| Sealed source inventory | Sealed source leak test |
| Thyroid bioassays | Dosimetry |
| Instrument calibration | Performs NESHAP calculations |
| RAM spill response | Decommissioning & Decontamination |