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

Radioactive Materials
Broadscope License
and Machine-produced Radiation
Vanderbilt University

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

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
Collection of RAM waste
Shipment of RAM waste
Shielding design
Radiopharmacy Audits
Lab Audits
Monitor I-131 patients
Monitor Brachytherapies (I-125, Cs-137)
Radiation laboratory surveys
Maintain training records
Sealed source inventory
Thyroid bioassays
Instrument calibration
RAM spill response

Receives RAM
Decay storage of RAM waste
Radiation Worker Training
Nuclear Medicine Audits
PET Facility Audits
Monitors releases of RAM
Decontamination of I-131 patient rooms
Monitors exposures to members of the general public
Maintain RAM inventory
Maintain radiation survey records
Sealed source leak test
Dosimetry
Performs NESHAP calculations
Decommissioning & Decontamination