

## RADIOLOGICAL SUPPORT SERVICES

Radiological Support Services (RSS) provides direct support to the operating and research divisions of ORNL in the development and implementation of programs for the identification, monitoring, and control of ionizing radiation and radioactive material in areas and facilities, on equipment and material, and on personnel. RSS also provides technical support for the planning and safe conduct of radiological work and can provide personnel to serve as Division Radiological Control Officers.

### Specialized program:

- Administrative/technical support for interpretation of DOE radiological rules and orders, technical document development/review, causal analyses, and programmatic evaluations
- Assistance in the purchase, control, and inventory of radioactive sources
- ALARA/design reviews of new or modified facilities and equipment, including the use of optimization principles and shielding/dose rate calculations
- Selection and use of radiological instrumentation
- Evaluation and implementation of new technologies such as electronic dosimetry, web-based applications, and gamma spectroscopy
- Radiological/ALARA training course design and instruction
- Assistance in the radiological characterization of radioactive waste



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