

**ANNEX 2**  
**(TRAINING)**  
**TO THE SOUTH CAROLINA OPERATIONAL RADIOLOGICAL EMERGENCY**  
**RESPONSE PLAN**

---

**I. INTRODUCTION**

- A. Radiological Emergency Response (RER) training programs are essential to ensure South Carolina State Agencies and affected counties' agencies are prepared to implement the South Carolina Operational Radiological Emergency Response Plan (SCORERP).
- B. This Annex describes the training that will be provided for those tasked with Nuclear Power Plant (NPP) off-site RER responsibilities.

**II. PURPOSE**

Establish training requirements and programs for off-site RER organizations.

**III. CONCEPT OF OPERATIONS**

- A. The South Carolina Emergency Management Division (SCEMD) is responsible for ensuring the availability of training opportunities for all agencies and individuals involved in emergency response to an incident at an NPP.
  - 1. At the State level, department or agency heads are responsible for ensuring their personnel attend appropriate RER courses needed to accomplish all tasks assigned by this and other applicable documents.
  - 2. County emergency preparedness directors/coordinators are responsible for coordinating the training of local RER personnel and facilitating their attendance at SCEMD sponsored training.
  - 3. SCEMD will make use of the train-the-trainer concept to ensure State Agencies, and local fire, police and medical organizations have qualified instructors for maintenance of internal personnel capabilities.
- B. In support of State and county RER training, SCEMD will conduct an annual training needs assessment of State Agencies and NPP counties to determine specific requirements for courses involving radiological monitoring and decontamination, medical services, and emergency worker safety. The information derived from this assessment will be used to develop an annual training program that will integrate initial RER training for new personnel, annual refresher training, on-the-job training, periodic drills and exercises.

- C. During the 90-day window prior to each biennial FEMA evaluated Radiological Emergency Preparedness (REP) program exercise, the NPP, State agencies, affected counties and SCEMD will conduct an intensive refresher-training program for all impacted state and local RER personnel. This training will include:
1. Table top exercises
  2. Joint Information Center (JIC) operations
  3. State Emergency Operations Center (SEOC) operations
  4. Traffic control procedures for law enforcement officers
  5. Emergency worker dose limits and safety
  6. Radiological monitoring and decontamination procedures
  7. Reception center/congregate care facility operations.
- D. The various nuclear utilities are responsible for training on-site personnel, as well as those local government emergency service agencies that have agreed to provide RER on-site assistance.

#### IV. TRAINING PROGRAMS FOR STATE AND LOCAL AGENCIES

- A. State and local directors/coordinators and key response personnel participate in applicable Independent Study (IS) Courses, Radiological Courses, and federal/state training workshops and seminars.
1. Courses and workshops offered by the National Emergency Training Center (NETC) are listed in the current catalog of courses for the National Fire Academy and the Emergency Management Institute (EMI).
  2. Most resident courses/workshops are conducted by FEMA personnel at the NETC located in Emmitsburg, MD.
- B. SCEMD has developed the Fundamentals Course for Radiological Monitors and Emergency Workers which fills the training requirement for local responders and focuses on the unique aspects of South Carolina RER plans, procedures, equipment, and standards.

The course is divided into four (4) units:

1. Introduction
  2. Radiation Fundamentals
  3. Emergency Worker Safety
  4. Radiological Monitoring Equipment
- C. Shelter managers receive a shelter operations course conducted by the American Red Cross (ARC). Subsequent participation in regularly scheduled drills,

exercises, and refresher courses will maintain proficiency and qualification of shelter managers.

- D. Accident assessment personnel and radiological monitoring teams are trained by SCDHEC as outlined in Section 1.8 of the SC Department of Health and Environmental Control (SCDHEC) South Carolina Standard Technical Radiological Operating Procedures (SCSTROP).
- E. Training for medical support personnel involved in transport and treatment of radiologically contaminated individuals is conducted by hospital radiation safety officers and health physicists from the utility.
  - 1. Such training is coordinated by SCEMD in preparation for Medical Service (MS) drills.
  - 2. Key personnel are encouraged to take applicable radiological emergency medical services courses offered by the Radiation Emergency Assistance Center/Training Site (REAC/TS) at Oakridge, Tennessee.
- F. The Governor’s Office or its authorized representative and the utility information specialist will assure State and local PIO(s) are trained on JIC Operations as well as transmissions procedures. The EAS and the ETV Networks will periodically test their abilities to disseminate emergency information to monitoring stations.

**V. TRAINING REQUIREMENTS**

RER personnel will be trained initially, and at least annually, as shown below.

LEAD ORGANIZATION	PERSONNEL/ORGANIZATION	STATE	LOCAL	FREQUENCY
SCDHEC	Hospitals & EMS	X	X	Initially/Annually
Office of the State Fire Marshall	Fire		X	Initially/Annually
SLED	Law Enforcement	X		Initially/Annually
SCDSS	Mass Care	X	X	Initially/Annually
SCDHEC	Accident Assessment	X		Initially/Annually
	Radiological Monitoring	X		Initially/Annually
	Laboratory Analysis	X		Initially/Annually
SCEMD	Radiological Monitoring	X	X	Initially/Annually
	Communications (Federal)	X		Initially/Quarterly
	Directors/Coordinators	X	X	Initially/Annually
SCDNR	Search & Rescue	X		Initially/Annually
SCDPS	Emergency Traffic Management	X		Initially/Annually

Note: Direct coordination with lead organizations and elements to be trained is authorized and encouraged.

**VI. STANDARDS AND REQUIREMENTS**

- A. Planning standards for RER training are contained in paragraph O, NUREG-0654, FEMA-REP-1, REV. 1.
- B. Training requirements for county training programs are contained in State Regulation 58-1, and Planning Standard O, NUREG-0654.
- C. Training requirements for state agency training programs are contained in State Regulation 58-101, and Planning Standard O, NUREG-0654.
- D. Standards and requirements for Accident Assessment Personnel and Radiological Monitoring Team training are contained in Section 1.8 of the SCSTROP.