

**STATE OF SOUTH CAROLINA
RADIOLOGICAL EMERGENCY PREPAREDNESS
2016 ANNUAL LETTER OF CERTIFICATION**

Update of Plans and Letters of Agreement (NUREG-0654, Para P.)

State and county Radiological Emergency Preparedness (REP) plans/procedures and letters of agreement (LOA) have been reviewed for accuracy and completeness of information, and appropriate changes made. A significant review and revision process of the South Carolina Operational Radiological Emergency Response Plan (SCORERP) and associated LOAs began in November 2015. The most updated draft SCORERP, which includes updated LOAs, will be provided electronically. The final SCORERP, including a detailed crosswalk, will be provided to FEMA upon completion. Expected completion of the SCORERP is first quarter 2017. County plan changes and LOA updates that have not already been provided to FEMA, are included in this packet.

Public Education and Information (NUREG-0654, para. G.)

Dissemination of radiological emergency planning and response information to the public are accomplished by annual distribution of emergency information calendars and brochures to all permanent residents, businesses, and schools located within each nuclear power plant's (NPP) 10-mile Emergency Planning Zone (EPZ). Copies of emergency information calendars and brochures, along with details of dissemination, are included in this packet. SCEMD received copies via mail as follows:

Catawba Nuclear Station, December 2016
Oconee Nuclear Station, November 2016
Robinson Nuclear Plant, December 2016
Savannah River Site, January 2017
V.C. Summer, December 2016
Vogtle Electric Generating Plant, January 2017

Emergency information for transients is posted and distributed by utilities in areas surrounding NPPs. Addresses and phone numbers of local emergency preparedness offices are contained in this information. Local emergency management directors whose counties are in the 10-mile EPZ of a NPP assist in distributing information about where one may turn for additional information or aid during an emergency.

Public information signage located along waterways, parks and other recreational areas are checked annually and maintained by each NPP. No additional signage was added by any of our NPPs in 2016.

Emergency public information for the ingestion pathway was updated in 2015 and made available to all ingestion counties. This material was reviewed in 2016 but no changes were made. A copy was provided in last year's ALC submission.

Each NPP conducts media programs, at least annually, to acquaint news media with emergency plans/procedures, information concerning radiation, and points of contact for release of public information in an emergency. Details of these media programs are included in this packet.

State/Local Agency Radiological Emergency Response (RER) Training (NUREG-0654, Para O.)

Initial training and annual retraining of state and county personnel who implement radiological response plans/procedures was accomplished per state and county plans/procedures. The types of training, dates of training, number of participants, and the organizations responsible for conducting the training are included in this packet. The associated sign-in sheets, which include the agencies/organizations represented, are maintained by state and/or county emergency management offices and will be made available during annual Staff Assistance Visits (SAVs).

Drills (NUREG-0654, Para N.)

The State and local counties participated in each NPP quarterly emergency response operations drill involving offsite notification. It is customary for South Carolina Emergency Management Division (SCEMD) to deploy liaisons to each NPP Emergency Operations Facility (EOF), if activated, and each county Emergency Operations Center (EOC), if requested. In addition, dress rehearsals were conducted prior to each graded exercise in conjunction with the NPP's quarterly drill. These involved a much higher level of participation from the State and counties, including State and county EOC staffing, Emergency Support Function (ESF) participation, and Joint Information System (JIS) operations. State participation in NPP drills is included in this packet.

Medical Services (MS) drills conducted in 2016 were:

Cannon Memorial Hospital and Pickens County EMS on April 12, 2016
McLeod Cheraw Hospital and MedShore EMS on November 02, 2016
Palmetto Health Richland and Fairfield County EMS on September 21, 2016

Communications checks to test all radiological emergency alert and notification systems are conducted in accordance with plans/procedures. Records of these communications checks have been provided in this packet.

Drills involving personnel and resources for field team coordination and dose assessment were conducted by the Department of Health and Environmental Control (DHEC). Specific details are included in this packet.

24-Hour Staffing (NUREG-0654, Para A.)

The State of South Carolina and all counties impacted by NPPs employ highly trained, competent staff to maintain appropriate 24-hour response capabilities as detailed in the SCORERP. Staffing rosters are provided to FEMA, upon request, during biennial evaluated exercises or during annual SAVs.

Emergency Facilities and Equipment (NUREG-0654, para. H.)

South Carolina has a state-of-the-art State Emergency Operations Center (SEOC). It is fully functional and adequately equipped to manage all hazard emergencies to include severe radiological incidents at any of the NPPs in or impacting the state. There have been no substantial changes in structure or mission since the SEOC was evaluated for functionality and performance during the Robinson Nuclear Plant Exercise on May 21, 2013.

Richland County moved their reception center to a new location in 2015; however, due to historic flooding in the area, the evaluation was postponed until 2017. In 2016, Union County debuted a new reception center at the First Baptist Family Life Center. Additionally, South Carolina OROs for the Catawba Nuclear Station exercised a new State JIC. Both were evaluated by FEMA for functionality and performance in conjunction with Catawba REP Exercise in 2016. No other facilities underwent substantial changes in structure or mission in 2016.

Radiological monitoring equipment is provided and managed by the SCEMD Radiological Instrumentation Maintenance and Calibration (RIMC) Laboratory. All REP counties are equipped with Ludlum Model 3 survey meters, self-reading dosimeters (SRDs), and permanent record dosimeters (PRDs). Ludlum Model 52 or 52-1 portable portal monitors are strategically located throughout the state. All radiological monitoring equipment can be moved rapidly to reinforce any area/county in need in accordance with SCEMD's Dosimetry Redistribution SOP. Twenty one (21) additional portal monitors were added to the State's inventory in 2016. A revised Dosimetry Redistribution SOP, which will include new equipment numbers and the addition of personnel to accompany that equipment, will be made available to FEMA upon completion.

The RIMC Lab accomplishes inspection, inventory, and operability checks of radiological monitoring equipment for all REP counties annually, with the exception of York County. York County has the ability to accomplish inspection, inventory, and operability checks of the York County radiological monitoring equipment. Records are maintained by each agency and are available for review during annual SAVs.

Alert and Notification (NUREG-0654, Appendix 3.)

Siren operability tests were conducted quarterly by each NPP. Each licensee provides certification of siren operability direct to FEMA. Furthermore, each NPP conducted a full-volume, annual test of all their fixed-installed siren systems with success as documented in this packet.

Tests were conducted with the State Primary Emergency Alert System (EAS) radio stations weekly in accordance with plans/procedures. Records of these tests are available during annual SAVs, upon request. Additionally, a local primary (LP-1) EAS radio station, WFBC, serving the Oconee NPP emergency planning zone, was evaluated by FEMA in 2016.