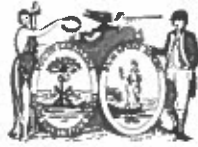


The State of South Carolina  
Military Department



OFFICE OF THE ADJUTANT GENERAL

ROBERT E. LIVINGSTON, Jr.  
MAJOR GENERAL  
THE ADJUTANT GENERAL

February 6, 2014

Mr. Conrad S. Burnside, Chief  
Technological Hazards Branch  
Department of Homeland Security  
Region IV  
3003 Chamblee-Tucker Road  
Atlanta, GA 30341

Dear Mr. Burnside:

The State of South Carolina has met radiological emergency preparedness (REP) planning and preparedness requirements for calendar year 2013. Activities required by NUREG-0654, FEMA REP-1, and 44 CFR 350 have been undertaken and/or completed by the state and local organizations for the following functions:

- Update Plans and Letters of Agreement
- Public Education and Information
- Radiological Emergency Response Training
- Drills
- 24-Hour Staffing
- Emergency Facilities and Equipment
- Alert and Notification

There are four commercial nuclear facilities in South Carolina:

- Oconee Nuclear Station
- H.B. Robinson Steam Electric Plant
- Catawba Nuclear Station
- V.C. Summer Nuclear Station

The Vogtle Electric Generating Plant in Georgia directly affects South Carolina. Annual siren operability reports and testing records of alert and notification systems are provided directly to FEMA by the nuclear utilities.

Sincerely,

A handwritten signature in black ink, appearing to read "K Stenson".

Kim Stenson  
Director

KS/nn

Attachment – DHEC ALC input

Emergency Management Division  
2779 Fish Hatchery Road  
West Columbia, South Carolina 29172  
(803) 737-8500 • Fax: (803) 737-8570

Adjutant General's Office provided to Oversight  
Committee in 2017 Program Evaluation Report



**STATE OF SOUTH CAROLINA  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
2013 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 major revision of the South Carolina Operational Radiological Emergency Response Plan (SCORERP) occurred in December 2012. Most recently, the annual review of the SCORERP commenced in November 2013. Due to the Federal government shutdown and subsequent rescheduling of the V.C. Summer Graded Exercise, the SCORERP review and revision process was delayed. 2013 SCORERP revisions are currently pending final review and will likely be disseminated in early February 2014.

**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). Emergency information calendars and brochures were distributed by each nuclear power plant via mail as follows:

Catawba Nuclear Station, November 2013  
H.B. Robinson Steam Electric Plant, expected February 2014  
Oconee Nuclear Station, November 2013  
Savannah River Site, December 2013  
V.C. Summer, January 2014  
Vogtle Electric Generating Plant, December 2013

Emergency information for transients is posted and distributed by utilities in areas surrounding nuclear power stations. 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 waterways, parks, or other recreational areas were expanded, nor were new transient areas added to the EPZ in 2013.

Emergency public information brochures for the ingestion pathway are currently being updated by the appropriate state agencies. The new brochures will be distributed to the counties upon completion and should be available for FEMA review at the time of the state staff assistance visit (SAV).

**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, agencies/organizations represented, and the organizations responsible for conducting the training are maintained by state and/or county emergency management offices and will be made available to FEMA during scheduled SAVs.

**Drills (NUREG-0654, Para N.)**

The State and local counties participate in each NPP quarterly emergency response operations drill, with a SCEMD liaison at the NPP EOF and an additional liaison from SCEMD to each county 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, ESF participation, and JIS operations.

Medical Services (MS) drills conducted in 2013 were:

Carolina Pines Regional Medical Center and Darlington County EMS on May 22, 2013  
Piedmont Medical Center and York County EMS on May 29, 2013  
Lexington Medical Center and Lexington EMS on July 17, 2013

Communications checks to test all radiological emergency alert and notification systems are conducted monthly and quarterly. Records will be made available during the state SAV.

**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.

**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. In 2013, the SEOC was outfitted with two new high definition overhead projectors and a larger projection screen which provides users with the ability to view up to 16 different data or video images simultaneously. In addition, the Governor's Situation Room was remodeled with a new multi-functional table with built in computers, new chairs, and larger LED TVs. The SEOC was evaluated for functionality and performance during the H.B. Robinson Exercise on May 21, 2013.

Lexington County EOC was the only county facility to undergo significant changes in 2013. Although the new facility was operational, it was determined that the evaluation of the facility would be done at a later date because of extenuating circumstances.

Radiological monitoring equipment is provided and managed by the Emergency Management Division 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. The RIMC Lab accomplishes inspection, inventory, and operability checks of radiological monitoring equipment for all REP counties, 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 reviewed annually during the 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. Each NPP conducted a full-volume, annual test of all their fixed-installed siren systems with success.

Tests were conducted with the State Primary Emergency Alert System (EAS) radio station weekly. Local primary (LP-1) EAS radio stations serving NPP emergency planning zones participated in REP exercises evaluated by FEMA in 2013.





Catherine B. Templeton, Director

*Promoting and protecting the health of the public and the environment*

December 27, 2013

Mr. Nathan Nienhius  
 SCEMD  
 2779 Fish Hatchery Road  
 West Columbia, South Carolina 29172

Dear Mr. Nienhius,

This is in response to your request that SCDHEC provide specific information required for the annual letter of certification for FEMA. Please find below our response:

1. SCTRERP and any associated letters of Agreements were reviewed for accuracy and completeness of information, and appropriate changes made. The new revision of SCTRERP and associated SOPs will be issued Feb 2014.
2. Inspection, inventory, and operational checks were made of survey instruments used for environmental monitoring and analysis at least once each calendar quarter and before each use. The instruments are calibrated on an annual basis. The usual and customary detailed information regarding these instruments is available for review during a Site Assisted Visit by FEMA staff.
3. DHEC emergency response staffs performing field-sampling duties receive initial and follow-up specialized training throughout the year. Please find below dates of training specifically related to the FNF field sampling:

Date	DHEC Emergency Response Staff	# of Participants
1.31.13	NREES Training Day	18
5.07.13	Thermo Instrument Training	3
5.07.13	Thermo Instrument Training	14
5.16.13	NREES Training Day	18
5.21.13	HB Robinson Exercise	14
9.16.13	NREES Training Day	25
11.18.13	NREES Training Day	16
10.03.13	Nuclear Reactors, Materials & Waste and Food & Agriculture Cross-Sector Exercise	5
10.31.13	Watts Barr Exercise IPX	1
11.20.13	VCS Exercise	22

4. Radiological monitoring drills/events related to plume collection of particulate and radioiodine samples and radiation measurements pathway drills that were performed during 2013.

Date	DHEC Emergency Response Staff	# of Participants
4.22.13	Env. Monitoring ORAU	1
5.21.13	HB Robinson Exercise with Utility staff	14
11.20.13	VCS exercise With Utility Staff	22
Actual Field response to material release		
11.11.13	Oconee Incident with utility staff	4

5. Dose assessment training with a minimum of two staff members was performed during actual exercises and training events. Additional training may be obtained through self-study and in-house monthly training days.

Date	DHEC Emergency Response Staff	# of Participants
5.21.13	HB Robinson Exercise with Utility staff	14
7.22.13	Rad Accident Assessment Concepts – FEMA	2
11.20.13	VCS exercise With Utility Staff	22
Actual Field response to material release		
11.11.13	Oconee Incident with utility staff	4

6. South Carolina maintains an adequate supply of the tablet form of KI for distribution to the general public and emergency workers. The expiration dates for the tablet KI are February 2018 and October 2017.

Thank you for your continued support of our program. Please do not hesitate to contact Mary Nguyen Bright, (803) 896-4099, or me, if additional information is required.

Sincerely,

Sandra Threatt, Manager  
 Nuclear Response and Emergency Environmental Surveillance  
 Division of Emergency Response  
 Bureau of Environmental Health Services

Pc: C. Staton, SCDHEC  
 N. Nienhius, SCEMD  
 D. Lybrand, SCDHEC  
 D. Solley, SCDHEC