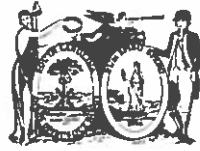


The State of South Carolina
Military Department



OFFICE OF THE ADJUTANT GENERAL

STANHOPE S. SPEARS
MAJOR GENERAL
THE ADJUTANT GENERAL

January 31, 2015

Mr. Conrad Burnside
Technological Hazards Branch
Department of Homeland Security, Reg. 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 2014. 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 "Kim Stenson".

Kim Stenson
Director

KS/nn
Attachment: DHEC ALC input (4 pages)

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
2014 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 minor revision of the South Carolina Operational Radiological Emergency Response Plan (SCORERP) occurred in January 2014. The annual review and crosswalk of the SCORERP occurred in November 2014. It was determined that no significant revisions are required; however, the SCORERP will be reviewed again, and appropriate revisions made, after the 2015 exercises.

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, December 2014
H.B. Robinson Steam Electric Plant, December 2014
Oconee Nuclear Station, December 2014
Savannah River Site, December 2014
V.C. Summer, December 2014
Vogtle Electric Generating Plant, January 2015

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 2014.

Emergency public information for the ingestion pathway was updated in 2014 by the appropriate state agencies. New brochures will be published and made available for use during the 2015 ingestion pathway exercise with H. B. Robinson.

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 2014 were:

Chesterfield General Hospital and Chesterfield County EMS on August 12, 2014
Cannon Memorial Hospital and Pickens County EMS on July 29, 2014
Palmetto Health Richland and Richland EMS on March 5, 2014
Oconee Medical Center and Oconee EMS on January 16, 2014

Communications checks to test all radiological emergency alert and notification systems are conducted quarterly or at more frequent intervals as deemed necessary. 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. The SEOC was evaluated for functionality and performance during the H.B. Robinson Exercise on May 21, 2013.

Lexington County EOC and Newberry County EOC underwent significant changes in 2014. Both will be evaluated for functionality and performance during the upcoming V. C. Summer graded exercise on September 22, 2015.

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 2014.



W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

January 20, 2015

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

Dear Mr. Nienhius,

This letter is sent in response to your request that the South Carolina Department of Health and Environmental Control (DHEC) provide specific information required for the annual letter of certification for the Federal Emergency Management Agency (FEMA). Please find our response below:

1. The South Carolina Technical Radiological Emergency Response Plan (SCTRERP) and all associated Letters of Agreement were reviewed for accuracy and completeness of information. Appropriate changes and revisions were made. The new revision of SCTRERP and all associated SOPs will be issued in February 2015.
2. Inspection, inventory and operational checks were made of survey instruments used for environmental monitoring and analysis. This is done once per quarter and before each drill and real world use. Instruments are calibrated on an annual basis. The usual and customary detail information regarding these instruments is available for a more detailed review during the designated Site Assisted Visit with FEMA staff.
3. DHEC emergency personnel, who perform field-sampling duties, receive initial and follow-up specialized training throughout the year. Please find below the dates of training specifically related to the Fixed Nuclear Facility sampling:

Date	Training Type/Attendees	# of Participants
01/09/14	DER Training Day: Radiological Release Investigations	17
02/11/14	DER Training Day: WebEOC, FRCC Staffing	12
03/10/14	DHEC Liaison Training (provided by NREES): Plans review, Liaison Training RAD Awareness/Health Physics, Emergency Worker Decontamination, RAD Equipment demonstrations	3
03/13/14	DER Training Day: Advanced Radiation Basics, RAD Instrument Technology, Isotope Identification, PRND, RAD Transportation Training	15

03/14/14	Modular Emergency Response Radiological Transportation Training (MERRTT) Train-the-Trainer Course – (8 hour)	4
03/24/14	MERRTT Training for Anderson County Fire	15
03/25/14	MERRTT Training for Anderson County Fire	12
03/26/14	MERRTT Training for Anderson County Fire	13
05/15/14	DER Training Day: Vogle Electric Generating Plant Exercise Training, RadResponder Videos and Webinar, Data Collection Field Exercise	11
06/12/14	DER Training Day: GPS YUMA Training, Medical Monitoring, Rehabilitation Practices, YUMA Exercise	16
06/25/14	RAD Fundamentals Training for Lexington County	21
06/26/14	RAD Fundamentals Training for Lexington County	18
06/27/14	RAD Fundamentals Training for Lexington County	23
08/14/14	DER Training Day: Oconee Nuclear Station Exercise Training, SE15 Training, Personal Dosimetry, RadEye GN Training and Exercise, Emergency Alert Level Training	17
08/27/14	RAD Fundamentals Training for Newberry County	13
10/09/14	DER Training Day: SCBA Training	17
11/13/14	DER Training Day: Radiological Response Deployment Exercise	16
12/08/14	DER and Region ERT Training Day: SCBA Training (make-up and Region Staff)	10
12/02/14	FEMA IS-307: Radiological Emergency Preparedness (REP) Program Disaster Initiated Review (DIR) – (8-hour)	5
Various Dates (completed individually)	Environmental Quality Control: Safety Policies	13
Various Dates (completed individually)	Environmental Quality Control: Appendix A Recommended Containers, Holding Times & Preservation	13
Various Dates (completed individually)	Environmental Quality Control: Ambient Air Monitoring	13
Various Dates (completed individually)	Environmental Quality Control: Air Monitoring Safety Equipment Calibration Procedures	13
Various Dates (completed individually)	Environmental Quality Control: Sample Control, Field Records, and Documentation	13
Various Dates (completed individually)	HazWOPER Refresher (8-hour)	13

4. Please find below radiological monitoring drills/events related to plume collection of particulate and radioiodine samples and radiation measurements pathways performed during 2014:

Date	Training Type/Attendees	# of Participants
01/16/14	Oconee Nuclear Station MS1 Drill	1
01/21/14	Palmetto Thunder WMD Exercise	1
02/06/14	Dose Assessment Training – Provided by Duke Energy	2
02/26/14	Catawba Nuclear Station Practice Drill	11
03/05/14	Palmetto Health Richland MS1 Drill	1
03/18/14	Catawba Nuclear Station Graded Exercise	11
04/06/14 to 04/11/14	Air Monitoring for Radioactive Materials (Oak Ridge, Tennessee)	1
4/30/14	Vogtle Electric Generating Plant Practice Drill	10
05/14/14	SRS Graded Exercise	4
5/21/14	Vogtle Electric Generating Plant Graded Exercise	10
06/10/14 to 06/11/14	SRS/EPA Exercise	3
07/15/14	Oconee Nuclear Station Practice Drill	9
08/19/14	Oconee Nuclear Station Practice Exercise	9
10/16/14 to 10/17/14	RACSAL 4.3 Training	1

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

Date	Training Type/Attendees	# of Participants
02/26/14	Catawba Nuclear Station Practice Drill	2
03/18/14	Catawba Nuclear Station Graded Exercise	2
4/30/14	Vogtle Electric Generating Plant Practice Drill	2
05/14/14	SRS Graded Exercise	2
5/21/14	Vogtle Electric Generating Plant Graded Exercise	2
06/10/14 to 06/11/14	SRS/EPA Exercise	3
07/15/14	Oconee Nuclear Station Practice Drill	2
08/19/14	Oconee Nuclear Station Practice Exercise	2

6. DHEC maintains an adequate supply of Potassium Iodide, also referred to as KI, for distribution to the general public and emergency workers. A total of **2,379,959** tablets, in 65mg dose, remain in DHEC custody in the various State and County DHEC Pharmacies. The expiration dates for the tablet form of 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 Section
Division of Emergency Response
Bureau of Environmental Health Services

PC: C. Staton, DHEC
D. Lybrand, DHEC
D. Solley, DHEC
N. Nienhius, SCEMD