



# Full-Scale Nuclear Power Plant Exercise



# Exercise Purpose

duct a realistic exercise featuring the integration of organizations at all levels of government to demonstrate “Whole Community” ability to coordinate and conduct response and recovery activities in response to a nuclear power plant emergency.

# Origin

The FRPCC supports broader Federal participation in radiological response exercises.

A need was recognized for more realistic exercises, better integration of the Whole Community, and an efficient use of limited resources.

To this end, a large-scale nuclear power plant exercise was proposed by NRC, FEMA, and DOE/NNSA.

# NPP 15 At a Glance

**Type:** Full-Scale Exercise (FSE) & biennial Radiologic  
Emergency Preparedness Program graded exercise

**Date:** week of July 20, 2015

**Host:** South Carolina

**Plant:** H. B. Robinson plant

**Sponsors:** DOE/NNNSA, FEMA, NRC

**Focus:** Response and Recovery

# Anticipated Participants

Emergency Team

Center for Disease Control and Prevention

Department of Agriculture

Department of Defense

Department of Energy

Department of Health and Human Services

Department of Homeland Security

Department of the Interior

Department of State

Department of Transportation

Department of Veterans Affairs

Environmental Protection Agency

Federal Bureau of Investigation

Federal Emergency Management Agency

Food and Drug Administration

National Institute of Standards and Technology

Nuclear Regulatory Commission

U.S. Fish and Wildlife Service

## State

- SC Emergency Management Division
- SC Department of Agriculture
- SC Department of Health and Environmental Control
- SC Department of Public Safety
- North Carolina

## Local

- Darlington County
- Chesterfield County
- Florence County
- Lee County
- Other surrounding Counties

## International

- International Atomic Energy Agency
- Canada

## NGO

- Nuclear Energy Institute
- Red Cross
- Institute of Nuclear Power Operations

## Licensee

- Duke Energy

# National Policies & Guidance

National Response Framework

Nuclear/Radiological Incident Annex (2014)

National Incident Management System

National Disaster Recovery Framework

US REG-0654/FEMA-REP-1

RAFT EPA-400 PAG Manual

rice Anderson

# Scope and Scenario

scenario will involve an incident at the plant resulting in the release of biological material  
significant but realistic consequences to drive realistic decision-making actions.

primary audience for this exercise will be

Licensee, local, state and federal responders

Incident management and multi-agency coordination centers

Senior decision makers

Recovery stakeholders

Public information will be a focus at all levels of government, including how messages are generated and disseminated.

# Components

Full-Scale Exercise

Controlled Exercise

Recovery



# Goals and Timeline

# Draft Federal Goals

monstrate the ability to **coordinate and conduct response and recovery** activities in the presence of competing and conflicting priorities and authorities.

monstrate the ability of the whole community to shape response activities and facilitate a smooth **transition into recovery** activities.

monstrate the ability of the whole community to **identify, assess, and effectively communicate the immediate and long-term impacts, risks, and required protective actions** to save lives, mitigate damages, and protect public health and safety in the event of a Nuclear Power Plant incident. **Validate the implementation of federal support** for a REP NPP incident response, including timing and appropriate coordination with the IMAT teams and appropriate state and local agencies.

Review and test the soon to be completed **NRRIA** update that will include federal radiological response and recovery actions.

# Draft Federal Goals

monstrate the ability for responding organizations to **integrate into incident management organizations** using the incident command and emergency coordination systems.

monstrate the ability of the whole community to provide coordinated **public messaging** during a nuclear power plant emergency.

monstrate the FRMAC's ability to coordinate and conduct **radiation monitoring, dose assessments, laboratory analysis, and public health safety** in response to nuclear power plant emergency.

monstrate effective **information sharing** among international, federal, state, and local responders during the response to a nuclear power plant incident.

monstrate the ability for FRMAC to collect and clearly **communicate technical or operational information** with decision-makers at multiple government.

# DRAFT Exercise Planning Timelin

Event	Date	Location
End Objectives Meeting	March 26, 2014	Local
NCR Meeting	July 1, 2014	NCR
/s	July 8, 2014	Local
ning Meeting	July 9-10, 2014	Local
anagement Workshop	August 20, 2014	Local
Event A	August 21, 2014	Local
NCR Meeting	December 3, 2014	NCR
Event B	December 9, 2014	Local
Planning Meeting	December 10-11, 2014	Local
oting	February 18-19, 2015	Local
NCR Meeting	March 13, 2015	NCR
Event C	March 10, 2015	Local
ining Meeting	May 20-21, 2015	Local
hronization Meeting	June 16, 2015	Local
ct NCR Meeting	July 9, 2015	NCR
conduct	July 21-23 2015	Local

NCR Me
Planning
Other Ev
Conduct



# Contacts

ardner  
Exercise Director  
[ardner2@fema.dhs.gov](mailto:ardner2@fema.dhs.gov)  
7573

Dr. Dan Blumenthal  
DOE Exercise Director  
[Daniel.Blumenthal@nnssa.doe.gov](mailto:Daniel.Blumenthal@nnssa.doe.gov)  
(202) 287-5269

Sally Billings  
NRC Exercise Director  
[Sally.Billings@nrc.gov](mailto:Sally.Billings@nrc.gov)

erst@fema.dhs.gov  
4917

Brendan Palmer  
[Brendan.Palmer@orise.orau.gov](mailto:Brendan.Palmer@orise.orau.gov)  
(202) 955-3658

Tony Bowers  
[Anthony.Bowers@nrc.gov](mailto:Anthony.Bowers@nrc.gov)

aux  
Exercise Director  
[emd.sc.gov](mailto:emd.sc.gov)

Tony Pilo  
Licensee Exercise Director  
[Tony.Pilo@duke-energy.com](mailto:Tony.Pilo@duke-energy.com)

Bethany Cecere  
Inspection Liaison  
[Bethany.Cecere@nrc.gov](mailto:Bethany.Cecere@nrc.gov)

Matthew Nelson  
[Matthew.Nelson@duke-energy.com](mailto:Matthew.Nelson@duke-energy.com)