

Southern Exposure 2015 Overview

The Southern Exposure 2015 Exercise (SE15), sponsored by the State of South Carolina, is a progressive exercise designed to test and analyze the Whole Community's ability to respond to, and recover from, a nuclear power plant emergency.

The core Exercise Planning Team consists of Duke Energy, DHS/FEMA/Technological Hazards Division (Radiological Emergency Preparedness Program), the Nuclear Regulatory Commission (NRC), the Department of Energy (DOE)/National Nuclear Security Administration (NNSA), and the State of South Carolina.

The Southern Exposure 2015 Exercise (and preparatory events) is intended to build on recent experiences and exercises, including FEMA/NRC policy updates and lessons learned from previous exercises and real-world events. The Southern Exposure 2015 Exercise will be integrated with the Radiological Emergency Preparedness Program biennial evaluated exercise involving an incident at the HB Robinson Nuclear Power Plant in South Carolina. It will require the State of South Carolina, various local governments, and many federal agencies to work in close coordination to achieve the objectives of the exercise.

Preparatory events including various discussion-based activities will occur prior to and following the exercise to allow for further discussion and exploration into response and recovery activities associated with a radiological release incident

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Southern Exposure 2015 Exercise



July 21-23, 2015
September 9-10, 2015

Sponsored by the
State of South Carolina



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Scenario Concept

- Involve an incident at the nuclear power plant resulting in the release of radiological material into the environment beyond the site boundary and cause significant consequences to drive decision-making and actions
- Focus on public information at all levels of government, including how messages are generated and disseminated
- Focus on the NPP incident, the first few days of response, and allow for discussion of immediate and long-term recovery issues

Exercise Goal

- Organizations at all levels of government demonstrate the Whole Community standard of coordinating and conducting response and recovery activities during and after a NPP incident
- Identify the immediate, and long-term recovery needs of local and state communities following a radiological release
- Test capabilities, train personnel with specific response and recovery roles and responsibilities, and foster meaningful interaction and communication across organizations

Objectives

Seven exercise objectives guide the full scale exercise and preparatory events. The objectives were developed to encompass the agency/ organization specific objectives submitted by each participating agency.

Core Capabilities

The seven exercise objectives were aligned with the following core capabilities guiding SE15:

All Mission Areas	Response
• Planning	• Environmental Response/ Health and Safety
• Public Information and Warning	• Public Health and Medical Services
• Operational Coordination	• Situational Assessment
	• Operational Communications
Recovery	• Critical Transportation
• Economic Recovery	
• Housing	

Working Groups

Seven working groups, with representatives from private and public sector stakeholders have been organized and are responsible for coordinating the development of various components of the Southern Exposure 2015 Exercise:

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|-------------------------------|-----------------------|
| • Control & Evaluation | • Incident Management |
| • Scenario & Simulation | • Logistics |
| • External Affairs | • Recovery |
| • Public Health & Environment | |

Planning Meeting/Exercise Planning Event Timeline

- Concept and Objectives (C&O) Meeting
March 26, 2014
- Southern Exposure Seminar
July 29, 2014
- Initial Planning Meeting (IPM)
July 30, 2014
- Incident Management Workshop
November 20, 2014
- Midterm Planning Meeting (MPM)
December 10, 2014
- Duke Energy Tabletop Exercise (TTX)
February 10, 2015
- Master Scenario Events List (MSEL) Scripting
February 11-12, 2015
- MSEL Synchronization Meeting
April 13-15, 2015
- National Disaster Recovery Framework Workshop
May 27, 2015
- American Nuclear Insurers/ Price Anderson Act Workshop
May 28, 2015
- Agricultural Response and Recovery Workshop
May 29, 2015
- Final Planning Meeting (FPM)
June 18, 2015
- Exercise Conduct
July 21 -23, 2015
- Recovery Tabletop Exercise (TTX)
September 9-10, 2015
- After Action Meeting (AAM)
September 29, 2015



FEMA



DUKE ENERGY