

# Overview of the Amber Waves 2012 Exercise

*Presented to*  
*Radiation Response Volunteer Corps*

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**Radiation Control Program**



# **Amber Waves 2012**

Date: Last week of Sept, 2012

**3-day, Tier II, Full-scale/National Level  
Exercise focusing on Radiological  
Terrorism  
Multiple state/county participation**

**Kansas, Missouri, Iowa**



# **U.S. Department of Energy**

## **“FRMAC”**

### **Federal Radiological Monitoring and Assessment Center**

#### **Mission**

**The mission of the FRMAC is to coordinate and manage all federal radiological environmental monitoring and assessment activities during a nuclear or radiological incident, within the United States in support of state, local, tribal governments, DHS, and the federal coordinating agency**

# Amber Waves Exercise Participants

## **FEDERAL**

U.S. Dept of Energy-FRMAC (sponsor/lead planner),  
multiple federal assets

## **KANSAS**

State EOC (limited), Radiological Health, CST,  
Leavenworth County, Local/KC-Metro...

## **MISSOURI**

State/County EOC (TBD), Radiological Health, Local/KC  
Metro...

## **IOWA**

State/County EOC (TBD), Radiological Health, Local  
TBD...

# State/County Exercise Considerations

- **Integration of state/local/federal radiological response assets (T + 24 hrs)**
- **County-to-County; County-to-State; State-to-State communication/coordination**
- **Population Monitoring; radiological monitoring/sampling; laboratory analysis**
- **Unified Command**
- **3 days of 12 hr operations (shift changes)**
- **Training and tabletops**

*NOTE: This is not intended to be a “lights & sirens” first response exercise*

# State Objectives for Population Monitoring

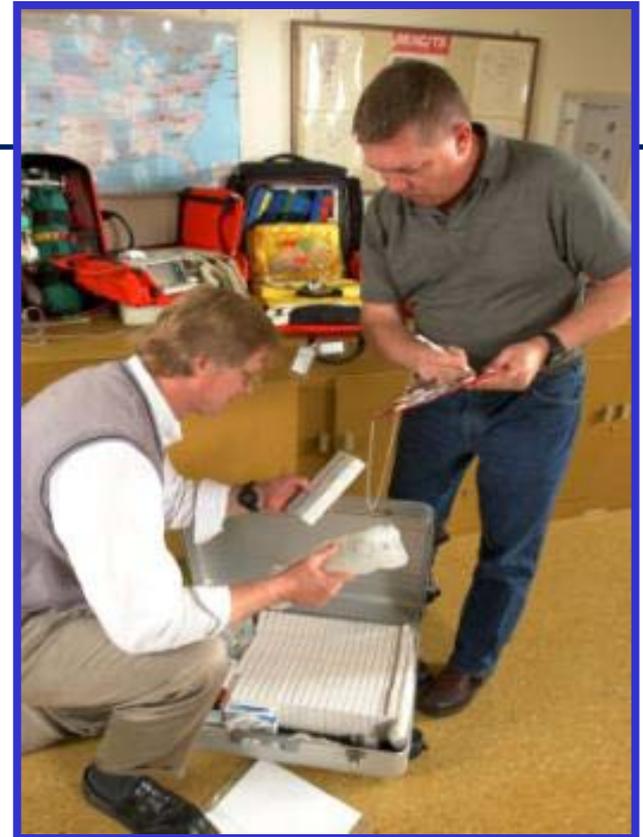
- **Establish a location for a CRC**
- **Coordinate resources and staff CRC**
- **Set up CRC in a timely fashion**
- **Monitor First Responders and the public, including pets, for radiological contamination**
- **Document use and replacement of resources**
- **Document any exposure and contamination**
- **Demonstrate long-term tracking ability**

# Radiation Emergency Assistance Center/Training Site (REAC/TS)

[www.orise.orau.gov/reacts](http://www.orise.orau.gov/reacts)

**Mission:** Provide expertise in medical management of radiation injuries both domestically and internationally.

**Activation:** 4 – 6 hours wheels up



A program of the DOE's Institute for Science and Education operated by Oak Ridge Associated Universities (ORAU)

# Radiation Emergency Assistance Center/Training Site (REACTS)

[www.orise.orau.gov/reacts](http://www.orise.orau.gov/reacts)

- Provides advice and consultation to emergency personnel involving radiation
- On-site assistance for the treatment of radiation exposure
- Provides clinical information to practitioners on treatments for exposure to specific radionuclides
- Maintains national and international registries concerning radiation accidents worldwide
- Calculations for radiation dose estimates



# Empire-09

- Hosted by New York
- Approximately 900 participants from all levels of government
- Goals and Objectives
- Issues and lessons learned
- Corrective actions and more training

# Are you interested?

**If you would like to become part of the  
Amber Waves 2012 exercise, please  
email [RRVC@kdheks.gov](mailto:RRVC@kdheks.gov).**

## **Thank You!**