



U.S. NRC
United States Nuclear Regulatory Commission

NRC Report

Protecting People and the Environment

HOME - ARCHIVE - PROFILES - TIPS - CALENDAR

Vol. 5, Issue 33, August 19, 2009

NRC: The Best Place To Work In the Federal Government

Inside this issue:

Outside of Scope

• External Peer Review of SOARCA Begins

Outside of Scope

External Peer Review of SOARCA Begins

The external peer review of NRC's State-of-the-Art Reactor Consequence Analyses (SOARCA) began recently at a meeting of review committee at Headquarters.

The NRC and Sandia National Laboratories are performing the analysis to develop a body of information about realistic outcomes of severe reactor accidents. The NRC staff recently completed analyses for two plants: Bottom and Surry, and the peer review committee will assess the underlying assumptions, results, and conclusions obtained from the analyses.

The peer reviewers will consider scenario selection and accident mitigation, containment failure modeling, accident progression and radiological offsite radiological consequences and emergency preparedness, and documentation. The peer review committee will identify areas of consensus and disagreement panel members. The NRC will incorporate comments into the final report, which will be available in early next year.

Dr. Karen Vierow, Texas A&M, is chair of the review committee. Other members include

- Bruce Mrowca, Information Systems Laboratories, and Kennel Electric Power Research Institute Nuclear Sector, *PRA Sequence and Mitigative Measures*
- Bernard Clément, Institut de Radioprotection et de Sécurité Nucléaire, Robert Henry, Fauske and Associates; and Jeff Gabor, ERIN, *Accident Progression and Radiological Release*
- Dr. Kevin O'Kula, Washington Safety Management Solutions, David Leaver, WorleyParsons Polestar, *Offsite Radiological Consequences*
- Roger Kowieski, Natural and Technological Hazards Manager Consulting, Inc., *Emergency Preparedness*
- Dr. Jacquelyn Yanch, Massachusetts Institute of Technology, *Physics*
- Dr. John Stevenson, JD Stevenson Consulting Engineer, *Structural (Seismic)*

The peer review committee will meet again next month.

Information in this record was deleted in accordance with the Freedom of Information Act Exemptions Outside of Scope
FOIAPA 2011-0093

D/14