



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

October 13, 2011

**** FOR THE RECORD****

**RESPONSE TO CONCERNS ABOUT POTENTIAL THREAT TO NUCLEAR
REACTORS FROM ELECTROMAGNETIC PULSE INCIDENTS**

Recent concerns have been raised with regard to safeguarding nuclear reactors from natural and manmade disasters and in particular from electromagnetic pulses (EMP). Results of research on this matter have led the Nuclear Regulatory Commission to conclude that reactors can achieve safe shutdown following a manmade EMP event or a solar or geomagnetically-induced current event. The NRC is considering all information available about the threats from a great geomagnetic storm and from a manmade EMP that could have potential adverse effects on the safe operation of nuclear power plants. For more information on NRC's activities concerning this matter, please see the agency's [September 29 response to Representative Roscoe G. Bartlett](#).