



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

February 13, 2019

STATE LIAISON OFFICERS

NOTIFICATION OF A SPECIAL U.S. NUCLEAR REGULATORY COMMISSION (NRC)  
SPONSORED OFFERING OF PERSPECTIVES OF REACTOR SAFETY (R-800) COURSE  
(STC-19-011)

Purpose: To provide notification to the States of an opportunity to attend the NRC's Perspectives of Reactor Safety (R-800) course scheduled to be held April 8-12, 2019, in Rockville, Maryland.

Background: The NRC is providing funding to a limited number of State Liaison Officers for this training and the associated travel.

Discussion: This 5-day course provides a broad perspective of important reactor safety concepts with emphasis on topics important to reactor risk. Five Major areas are covered. (1) Historical Overview: design for safety; defense in depth strategy; ECCS rulemaking; and severe accident and safety goal policy, (2) Accident Sequences: safety risk concepts and terminology; accident sequence development; important accident sequences; and IPE and IPEEE programs, (3) Accident Progression in the Reactor Vessel: fission product inventory and decay heat; and core melt progression, (4) Accident Progression in the Containment: containment phenomena; reactor cavity and vessel breach phenomena; and hydrogen and combustion events, and (5) Radiological Releases and Consequences: radionuclide groups; environmental transport; EPA protective action guidelines; and emergency response. Discussions also focus on plant events; accident management principles; and historical perspectives.

Although attendees do not need a nuclear engineering degree or similar background (e.g., Navy nuclear program), or nuclear power plant operator level of knowledge, it is helpful that the attendee has some level of college work in science/engineering.

The deadline to submit an application to attend is March 12, 2019. Due to the limited availability of training slots for this course, only 15 applicants will be selected. The 15 attendees will be randomly selected from the pool of applicants submitted by the deadline. A follow-up STC letter will be sent to notify those selected.

If you have any questions regarding this correspondence, please contact me at (301) 415-3340 or the individual named below:

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Office of Nuclear Material Safety  
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COURSE (STC-19-011)

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