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

OFFICE OF THE
SECRETARY

September 15, 2010

Ken Canavan
Senior Manager, Plant Technology, Nuclear Sector
Electric Power Research Institute
1300 West WT Harris Blvd.
Charlotte, NC 28262

Dear Mr. Canavan:

The Nuclear Regulatory Commission (NRC) is pleased that you will participate in a public Commission meeting on alternative risk metrics for new light water reactors, Thursday, October 14, 2010, at 9:30 a.m. The meeting will be held in the Commissioners' Conference Room on the first floor of the NRC's Headquarters building at One White Flint North, Rockville, Maryland. The Commission is interested in hearing an industry perspective on probabilistic risk assessment (PRA) for new light water reactors. I am enclosing a copy of the draft meeting agenda for your information (enclosure 1). My staff will keep you informed of any updates to the agenda.

To assist the Commission in preparing for the meeting, please e-mail any written material, including viewgraphs/slides, to Ms. Rochelle Bavol and Ms. Sandy Joosten (**rochelle.bavol@nrc.gov** and **sandy.joosten@nrc.gov**) in the Office of the Secretary, by October 6, 2010, so that it can be distributed to the Commission for review in advance of the meeting. Enclosed are guidelines for viewgraphs, if you choose to use them (enclosure 2). PowerPoint or other electronic presentation formats are acceptable. This Commission meeting will be webcast live at the Web address: **www.nrc.gov.** If you intend to use viewgraphs they will also be posted on the NRC website prior to the meeting. If you have any questions, please contact Ms. Bavol at 301-415-1651.

Your presentation at the Commission meeting should be based on the assumption that Commissioners are familiar with the content of your written material. Please plan your oral presentation for 10 minutes, discussing the important points on which you wish to focus the Commission's attention.

The NRC Headquarters building is located opposite the White Flint Metro Station on Rockville Pike and Marinelli Drive, Rockville, Maryland. The White Flint Metro Station is on the Red Line of the Washington area subway system. Reserved visitor parking for Commission guests is available. If you wish to use reserved parking, please notify Ms. Bavol in advance. If reserved parking has been arranged, please check-in with the security staff at the entrance to the NRC campus on Marinelli Drive when you arrive. A Security Guard will call for an escort. Please note that visitors will be screened through metal detectors, will have their packages x-rayed, and will be required to present a picture identification card prior to signing in at the registration desk.

Sincerely,

Annette L. Vietti-Cook
Secretary of the Commission

Enclosures:
1. Draft Agenda
2. Briefing Visuals Guidance

Draft: 9/15/10

SCHEDULING NOTE

Title: **BRIEFING ON ALTERNATIVE RISK METRICS FOR NEW LIGHT WATER REACTORS (Public)**

Scheduled: **Thursday, October 14, 2010**
9:30 am

Duration: Approx. 3.0 hours

Location: Commissioners' Conference Room, 1st fl OWFN

Participants:	**Presentation**
External Participants	**40 mins.***
Biff Bradley, Director of Risk Assessment, Nuclear Energy Institute Topic: Industry Perspective on the Approach to and Scope of Expected Risk-Informed Applications.	10 mins.*
Gary Miller, Technical Leader, ESBWR PRA, GE-Hitachi Topic: Vendor's Perspective on the Options for Risk-Informed Guidance for New Reactors.	10 mins.*
Ken Canavan, Senior Manager, Plant Technology, Electric Power Research Institute Topic: Industry Perspective on Probabilistic Risk Assessment (PRA) for New Light Water Reactors.	10 mins.*
Edwin Lyman, Union of Concerned Scientists Topic: NGO Perspective on Maintaining an Enhanced Level of Safety for New Reactors.	10 mins.*
Commission Q & A	**50 mins.**
Break	**5 mins.**
NRC Staff	**45 mins.***

Bill Borchardt, Executive Director for Operations
Michael Johnson, Director, Office of New Reactors
Charles Ader, Director, Division of Safety Systems and Risk Assessment, NRO
Frederick Brown, Director, Division of Inspection and Regional Support, NRR
Donald Dube, Senior Technical Advisor, Division of Safety Systems & Risk Assessment , NRO
Michael Mayfield, Director, Advanced Reactor Program

Topics:

- Status of New Reactor Program
- Risk-Informed Guidance for New Light Water Reactors (Commission paper on modifying risk-informed regulatory guidance for new light-water reactors)
    - Background on Risk-Informed Regulatory Guidance
        - Commission Policy
        - Licensing
        - Reactor Oversight Process (ROP)
        - Memorandum, dated 2/12/09, *Alternative Risk Metrics for New Light-Water Reactor Risk-Informed Applications*
    - Stakeholder and ACRS Interactions
    - Options
        - Treat new reactors and operating reactors the same using current risk-informed guidelines and ROP based on Core Damage Frequency and Large Early Release Frequency.
        - Modify current risk-informed guidance for changes to the licensing basis and ROP to explicitly address the need to evaluate the impact on those features added for enhanced safety performance.
        - Modify the current risk-informed guidance to include new, more stringent risk metrics for new reactors.
    - Staff Recommendation
    - Next Steps
- Progress on Identifying and Resolving Advanced Reactor Policy Issues

Commission Q & A **50 mins.**

Discussion – Wrap-up **5 mins.**

*For presentation only and does not include time for Commission Q & A's

Documents:
SECY10-0121, Modifying the Risk Informed Regulatory Guidance for New Reactors, dated 9/14/10.
Staff background material due to SECY: September 29, 2010.
Slides due to SECY: October 6, 2010.

Enclosure 2

PRESENTATION TITLE
Arial Black 40
on white background

Date of Briefing

Your name, title, office

Arial Black 32

Slide Title – Arial Black 36

- Text (Arial Black 32) on white.
- Top and Side margins 1 inch min.
- Bottom margin 2 inch min.
- Number pages
- Explain acronyms or include a separate slide with list