



SECRETARY

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

November 17, 2014

Thomas Newton, Ph.D.  
Director of Reactor Operations and  
Associate Director for Reactor Engineering  
Massachusetts Institute of Technology  
MIT Nuclear Reactor Laboratory  
138 Albany St., Cambridge, MA 02139

Dear Dr. Newton,

The U.S. Nuclear Regulatory Commission (NRC) is pleased that you will participate in a public Commission meeting on research and test reactor initiatives, December 16, 2014 at 9:00 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 your views representing the National Organization of Test, Research, and Training Reactors on challenges facing the RTRs, including security, as well as the successes and challenges associated with a completed RTR license renewal review of MIT's research reactor. I am enclosing a copy of the meeting agenda for your information (enclosure 1).

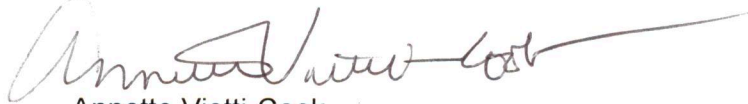
To assist the Commission in preparing for the meeting, please e-mail any written material, including slides, to Mr. Glenn Ellmers ([Glenn.Ellmers@nrc.gov](mailto:Glenn.Ellmers@nrc.gov)) and Ms. Pamela Shea ([Pamela.Shea@nrc.gov](mailto:Pamela.Shea@nrc.gov)) in the Office of the Secretary, by December 9, 2014, so that it can be distributed to the Commission for review in advance of the meeting. Enclosed are guidelines for slides, if you choose to use them (enclosure 2). PowerPoint is the preferred format, but other electronic presentation formats may be used. This Commission meeting will be webcast live at the Web address: [www.nrc.gov](http://www.nrc.gov), and materials provided for the meeting will be posted on the NRC public website prior to the meeting: <http://www.nrc.gov/reading-rm/doc-collections/commission/tr/>. If you have any questions, please contact Mr. Ellmers at 301-415-0442.

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 15 minutes, discussing the important points on which you wish to focus the Commission's attention. Please avoid the use of acronyms. If you do use acronyms, please explain them during your presentation.

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. Baval 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,

A handwritten signature in dark ink, appearing to read "Annette Vietti-Cook", with a long horizontal flourish extending to the right.

Annette Vietti-Cook  
Secretary of the Commission

Enclosures:

1. Agenda
2. Guidelines for Slides

Final: 11/17/14 (Rev.)

**SCHEDULING NOTE**

**Title:** **UPDATE ON RESEARCH AND TEST REACTORS INITIATIVES  
(Public Meeting)**

**Purpose:** To provide an overview of the research and test reactors (RTR) licensing program, including the status of license renewals, domestic production of medical isotopes, and security.

**Scheduled:** **December 16, 2014  
9:00 am**

**Duration:** Approx. 3 hours

**Location:** Commissioners' Conference Room, 1<sup>st</sup> fl OWFN

<b>Participants:</b>	<b>Presentation</b>
<b><u>External Panel</u></b>	<b>35 mins.*</b>

<b>Thomas Newton, Ph. D.</b> , Chair, The National Organization of Test, Research and Training Reactors, Inc. (TRTR) and Director of Reactor Operations and Associate Director for Reactor Engineering, Massachusetts Institute of Technology <u>Topic:</u> Challenges facing the RTRs, including security, and successes and challenges associated with a completed RTR license renewal review associated with the MIT research reactor	15 mins.*
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<b>Gregory Piefer, Ph.D.</b> , Chief Executive Officer, SHINE Medical Technologies, Inc. <u>Topic:</u> Licensing activities for SHINE's medical isotope facility and current licensing status of SHINE's domestic production of Molybdenum-99 technology	10 mins.*
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<b>Ralph Butler</b> , Director, Missouri University Research Reactor (MURR)  <u>Topic:</u> Status and challenges associated with an RTR license renewal review for MURR, which is currently under staff review	10 mins.*
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<b>Commission Q &amp; A</b>	<b>50 mins.</b>
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<b>Break</b>	<b>5 mins.</b>
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**NRC Staff Panel**

**35 mins.\***

**Mark Satorius**, Executive Director for Operations

**Lawrence Kokajko**, Director, Division of Policy and Rulemaking (DPR),  
Office of Nuclear Reactor Regulation (NRR)

Topic: Introduction and NRC organization structure for RTR regulation

**Alexander Adams, Jr.**, Branch Chief, RTR Licensing Branch, NRR/DPR

Topic: Current status of staff's efforts associated with RTR license renewal reviews, high-enriched to low-enriched uranium RTR conversions, and the RTR Streamlining Rule

**Steve Lynch**, Project Manager, RTR Licensing Branch, NRR/DPR

Topic: Current status of NRR staff efforts related to medical isotope production facility licensing actions

**John Adams**, Senior Level Advisor for Non-Power Reactors, NRR/DPR

Topic: RTR security activities

**Commission Q & A**

**50 mins.**

**Discussion – Wrap-Up**

**5 mins.**

\*For presentation only and does not include time for Commission Q & As

Documents:

Staff background materials due to SECY: December 2, 2014.

Slides due to SECY: December 9, 2014.



## Enclosure 2

- Use company/organization logo, and light background.
- Slides should contain substantive information, including text, photos, and graphics and be easily readable.
- Explain/spell out acronyms or include a separate slide with a list of acronyms.
- Number pages.
- Margins should be 1 inch.

# **PRESENTATION TITLE** **(Arial Black 40)**

**Date of Briefing**  
**Name and Title of Presenter**  
**(Arial Black 32)**

# **Slide Title – Arial Black 36**

- **Text (Arial Black 32) on white.**