



SECRETARY

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

February 13, 2018

Mr. Thomas P. Miller  
Director, Office of Accelerated Innovation  
Department of Energy  
1000 Independence Ave. SW  
Washington DC 20585

Dear Mr. Miller:

The U.S. Nuclear Regulatory Commission (NRC) is pleased that you will participate in a public Commission meeting on licensing accident tolerant fuel (ATF) for use in commercial nuclear reactors, on April 12, 2018, at 9:00 a.m. The Commission is interested in hearing an update on the Consortium for Advanced Simulation of Light Water Reactor (CASL), CASL interaction and collaboration with the nuclear industry, and interaction and collaboration with the NRC. 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. I am enclosing a copy of the meeting agenda for your information. 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 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 **April 5, 2018**, so that it can be distributed to the Commission for review in advance of the meeting. 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 about 8 minutes, discussing the important points on which you wish to focus the Commission's attention. Please avoid the use of acronyms where possible. 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. McGovern 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 black ink, appearing to read "Annette Vietti-Cook", with a stylized flourish at the end.

Annette L. Vietti-Cook

Enclosures:  
Draft Agenda

## SCHEDULING NOTE

**Title:** **BRIEFING ON ACCIDENT TOLERANT FUEL (Public Meeting)**

**Purpose:** To provide the Commission an update on the status and issues associated with the path to licensing accident tolerant fuel (ATF) for use in commercial nuclear power reactors.

**Scheduled:** **April 12, 2018**  
**9:00 am**

**Duration:** Approx. 3 hours

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

**Participants:** **Presentation**

**External Panel** **40 mins.\***

**Bill McCaughey**, Acting Director, Office of Fuel Cycle Research and Development, Department of Energy (DOE) 8 mins.\*

Topics:

- Congressional mandate on research and development of ATF
- Background on the ATF program at DOE and the DOE plan
- Current efforts of the Advanced Fuels Campaign

**Thomas P. Miller**, Director, Office of Accelerated Innovation, DOE 8 mins.\*

Topics:

- Update on the Consortium for Advanced Simulation of Light Water Reactors (CASL)
- CASL interaction and collaboration with nuclear industry
- Interaction and collaboration with NRC

**Danny Bost**, Executive Vice President and Chief Nuclear Officer, Southern Company, Executive Sponsor, Industry Accident Tolerant Fuel Working Group 8 mins.\*

Topics:

- Safety and economic benefits of ATF
- Overview of the working group mission and activities
- Perspective on regulatory framework for ATF

**Neil Wilmschurst**, Vice President, Nuclear & Chief Nuclear Officer, Electric Power Research Institute (EPRI) 8 mins.\*

Topics:

- EPRI coordination of activities related to ATF
- Cost benefit analysis and business case for ATF

<b>Dr. Edwin Lyman</b> , Senior Scientist, Union of Concerned Scientists	8 mins.*
<u>Topics:</u>	
<ul style="list-style-type: none"> <li>Perspectives on ATF technologies and licensing process</li> </ul>	
<b>Commission Q &amp; A</b>	<b>50 mins.</b>
<b>Break</b>	<b>5 mins.</b>
<b><u>NRC Staff</u></b>	<b>40 mins.*</b>
<b>Victor M. McCree</b> , Executive Director for Operations	
<b>Raymond K. Lorson</b> , Acting Deputy Director for Engineering, Office of Nuclear Reactor Regulation (NRR)	
<b>Mirela Gavrilas</b> , Director, Division of Safety Systems (DSS), NRR	
<b>Jacob Zimmerman</b> , Chief, Enrichment and Conversion Branch, Division of Fuel Cycle Safety, Safeguards and Environmental Review, Office of Nuclear Material Safety and Safeguards	
<b>Michelle F. Bales</b> , Senior Reactor Systems Engineer, Division of Systems Analysis, Office of Nuclear Regulatory Research	
<b>Christopher J. Fong</b> , Team Leader, Division of Risk Assessment, NRR	
<u>Topics:</u>	
<ul style="list-style-type: none"> <li>Overview of the NRC's ATF project plan</li> <li>Path to licensing ATF for use in commercial reactors</li> </ul>	
<b>Commission Q &amp; A</b>	<b>50 mins.</b>
<b>Discussion – Wrap-Up</b>	<b>5 mins.</b>
*For presentation only and does not include time for Commission Q & A's	
<b><u>Documents:</u></b>	
<ul style="list-style-type: none"> <li>Slides due to NRC: <b>April 5, 2018</b></li> </ul>	