




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

September 23, 2022

MEMORANDUM TO: Steven Lynch, Chief  
Advanced Reactor Policy Branch  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

FROM: Shelley Pitter, Project Manager  Signed by Pitter, Shelley  
Advanced Reactor Policy Branch on 09/23/22  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JUNE 30, 2022, PERIODIC ADVANCED  
REACTOR STAKEHOLDER PUBLIC MEETING

On June 30, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff held an information meeting with a question-and-answer session with stakeholders to discuss advanced reactor topics including:

- Expanding and Internationalizing the EPRI Advanced Reactor Owner-Operator Requirements Guide
- Part 53 – Industry/Stakeholder Perspectives on Framework B, Framework A, and NRC Stakeholder Engagement Process
- Regulatory Priorities for New and Advanced Reactors
- Part 53 Subpart F Staffing Requirements
- U.S.-NRC-CNRC Memorandum of Cooperation: Joint Report, TRISO Fuel Qualification Assessment

CONTACT: Shelley Pitter NRR/DANU  
301-415- 3454

The meeting notice is available in the NRC's Agencywide Documents Access and Management System (ADAMS) at Accession No. ML22179A365, and the presentation slides are available at ADAMS Accession No. ML22180A296 and ML22234A289. The Enclosure to this summary lists the attendees for the meeting as captured by Microsoft Teams.

For each topic listed above, the NRC staff provided information and allotted time for stakeholder comments and questions. Stakeholders provided feedback on several of the topics and asked clarifying questions. NRC staff appreciated the feedback and provided response to the questions.

The NRC staff provided updates of the Advanced Reactor Integrated Schedule of Activities on the NRC's public website at <https://www.nrc.gov/reactors/new-reactors/advanced/integrated-review-schedule.html>. The NRC staff noted that the schedule reflects activities that have recently been completed, updated, or added since the May 11, 2022, advanced reactor stakeholder meeting.

Industry participation included EPRI, NEI (Nuclear Energy Institute), USNIC (US Nuclear Industry Council), the Breakthrough Institute and ANS (American Nuclear Society). EPRI provided an introduction and overview of current status of EPRI Owner-Operator Requirements Guidance and that a unique opportunity exists for international coordination and harmonization of end-user requirements for new (advanced) reactors.

NEI and USNIC provided initial comments regarding their review of Part 53 Framework B, and provided additional thoughts on Part 53 Framework A. The Breakthrough Institute provided thoughts on the NRC stakeholder engagement process and provided high-level comments on a risk-informed and performance-based regulatory framework, including Probabilistic Risk Assessment (PRA) in framework A. ANS provided comments on Part 53 Framework A, highlighting some specific concerns related to the fire protection requirements.

The NRC staff presented on its progress to develop a joint report regarding tri-structural isotropic (TRISO) Fuel Qualification Assessment under the NRC-Canadian Nuclear Safety Commission (CNSC) Memorandum of Cooperation. The staff discussed the various phases in the project and its current schedule to produce the final report in 2023.

Members of the public were in attendance and the NRC did not receive public meeting feedback forms. To see information regarding previously held periodic advanced reactor stakeholder public meetings, the NRC staff suggest that stakeholders visit the NRC's public website at <https://www.nrc.gov/reactors/new-reactors/advanced/details.html#stakeholder>. The next advanced reactor stakeholder meeting is currently scheduled for August 18, 2022.

Please direct any inquiries to me at 301-415-3454 or via e-mail at [Shelley.Pitter@nrc.gov](mailto:Shelley.Pitter@nrc.gov).

Enclosure:  
Attendance List

SUBJECT: SUMMARY OF JUNE 30, 2022, PERIODIC ADVANCED REACTOR  
STAKEHOLDER PUBLIC MEETING DATED: SEPTEMBER 23, 2022

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OFFICE	NRR/DANU/UARP/PM	NRR/DANU/UARP/BC	NRR/DANU/UARP/PM
NAME	S.Pitter	S.Lynch	S.Pitter
DATE	9/20/2022	9/20/2022	9/23/2022

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June 30, 2022, Periodic Advanced Reactor Stakeholder Public Meeting Attendance List

<b>Name</b>	<b>Org</b>
Aaron Majors (Guest)	General Atomics
Adam Masten	USNC
Adam Stein	Breakthrough Institute
Alan Masinter	CATF
Albert, Marc	EPRI
Andrukat, Dennis	NRC
Anzalone, Reed	NRC
Armstrong, Kenneth	NRC
Arndt, Steven	ORNL
Audrain, Meg	NRC
AUSTGEN, Kati	NEI
Ayersman, Brandon	NRC
Bailey, Stewart	NRC
BANKS, COURTNEY	NRC
Basavaraju, Chakrapani	NRC
Beall, Bob	NRC
Behnke, Donald H.	Westinghouse
Bergman, Jana	Curtiss wright
Biro, Mihaela	NRC
Borromeo, Josh	NRC
Bowen, Jeremy	NRC
Bowman, Eric	NRC
Boyle, Patrick	NRC
Brandon Hartle (Guest)	
Brooks, Caleb	Illinois
Buchanan, Theresa	NRC
Burg, Rob	EPM-INC
Bussey, Scott	NRC
C Cochran	
Carusone, Caroline	NRC
Chakrapani Basavaraju (Guest)	
Charlotte (Guest)	X-energy
Chereskin, Alexander	NRC
Chisholm, Brandon M.	SOUTHERNCO
Christopher P. Chwasz	INL
Cintron-Rivera, Jorge	NRC
Citizen	
Collier, Alex	NRC
Conlon, Kelly	Cnsc-ccsn
Correll, Jeff	NRC
Court Reporter2	NealRGrossCo660

Enclosure

Coyne, Kevin	NRC
Cubbage, Amy	NRC
Daniel Carleton (Guest)	
David Holcomb	
de Messieres, Candace	NRC
Deborah A Luchsinger (Services - 6)	Dominion Energy
Desaulniers, David	NRC
Dickerson, Kelly	NRC
Don Eggett	Uni alliance
Doub, Peyton	NRC
Drew Peebles (Guest)	Kairos Power
Dudek, Michael	NRC
Ewa Muzikova	USNC
Ezell, Julie	NRC
Feltus, Madeline	nuclear
frank akstulewicz (Guest)	TEUSA
Fraser, Roni	NRC
Fulton, John Douglas	sandia
Garcia, Ismael	NRC
Gascot Lozada, Ramon	NRC
George Flanagan	flanagan351
George Flanagan (Guest)	
George Wilson (Guest)	TerraPower
Gerhard Strydom	INL
Giacinto, Joseph	NRC
Glowacki, Brian	NRC
Gordon, Matthew	NRC
Grady, Anne-Marie	NRC
Green, Brian	NRC
Hahn, Matthew	nuclear
Hansing, Nicholas	NRC
Hanson, Sam	NRC
Hardesty, Duane	NRC
Hart, Michelle	NRC
Hayes, Michelle	NRC
Heh, Meredith	Westing house
Henneke, Dennis (GE Power Portfolio)	GE
Hilsmeier, Todd	NRC
Hoellman, Jordan	NRC
HOLTZMAN, Benjamin	NEI
Hsu, Kaihwa	NRC
Hughes Green, Niav	NRC
Ian Gifford (Guest)	
Ingrid Nordby (Guest)	X-energy
Jacobs, Jo	NRC

James C. Kinsey Jr	INL
Janati, Rich	PA
Jauntirans, Juris	NRC
Jelalian, Alan	EPM-INC
Jennetta, Andrea	SP Global
Jessup, William	NRC
Jim Tomkins (Guest)	
John Downing (Guest)	
John Pfabe (Guest)	
Jones, Cynthia	NRC
Jordan Hagaman	
Jordan Hagaman (Guest)	Kairos Power
Ju, Daniel	NRC
Karagiannis, Harriet	NRC
Krsek, Robert	NRC
Kurt Harris	FLIBE
Lance Sterling	Certrec
Lane Howard (Guest)	SWRI
LANE, Hilary	NEI
Lauron, Carolyn	NRC
Lee, Pete	NRC
Leidich, Anne	Pillsbury Law
Leigh Lloveras	ISU
Leslie Holden (Guest)	
Lu, Shanlai	NRC
Lynch, Steven	NRC
Mack, Stephanie (Whitehouse)	Whitehouse
Maltese, James	NRC
Manoly, Kamal	NRC
Marchlewski, Henry	NRC
Martin, Kamishan	NRC
Marzano, Matthew (EPW)	EPW
McConnell, Matthew	NRC
McGlinn, William	ICF
Melanie Snyder	Western energy board
Michael Mayfield	Mayfield consulting
Michelle Byman (Guest)	
Mihai Aurelian Diaconeasa	NCSU
mike keller (Guest)	
Mike Montecalvo (Guest)	
Miller, Ed	NRC
Milton (Guest)	
Moon Jr, James M. (Chip)	Energy-Northwest
Moore, Johari	NRC
Morrow, Stephanie	NRC

Moses, John	NRC
Moulton, Charles	NRC
Muniz, Adrian	NRC
Musico, Bruce	NRC
Mynatt, Norman Lynn	TVA
Nakanishi, Tony	NRC
Narasimha Prasad Kadambi	ECPL
Neuhausen, Alissa	NRC
Nguyen, Khoi	NRC
NICHOL, Marcus	NEI
Nolan, Chris	Duke-energy
Nolan, Ryan	NRC
OBryan, Phil	NRC
Oesterle, Eric	NRC
O'NEILL, Martin	NEI
Orenak, Michael	NRC
Paese, Richard M	Sargent Lundy
Palmrose, Donald	NRC
Park, Sunwoo	NRC
Patrick White (Guest)	NIA
Patrick, Wesley	SWRI20
Paul A. Demkowicz	INL
Peter D. Wolf (Guest)	
Peter Hastings (Guest)	Kairos Power
Phan, Hanh	NRC
Philpott, Stephen	NRC
Piotter, Jason	NRC
Pires, Jose	NRC
Pitter, Shelley	NRC
Rades, Paul	NRC
Rahn, David	NRC
Ramadan, Liliana	NRC
Raymond C. Wang (Guest)	X-energy
Reckley, William	NRC
Reed, Beth	NRC
Regan, Christopher	NRC
Reisi Fard, Mehdi	NRC
Robert Budnitz (Guest)	
Robert Fortner (Guest)	
Roche, Robert	NRC
Roger Mattson (Guest)	
Rose, Michael	NRC
Ross	
Rubenstone, James	NRC
Ryan Latta (Guest)	KP

Sarah Fields (Guest)	
Schichlein, Lisa (GE Power Portfolio)	GE
Schmidt, Jeffrey	NRC
Schrader, Eric	NRC
Scott E. Ferrara	INL
Sebrosky, Joseph	NRC
Segala, John	NRC
SHAHROKHI Farshid	FRA-CORP
Shams, Mohamed	NRC
Shepherd, Jill	NRC
Shrum, Laura	NRC
Smagacz, Phillip	NRC
Smith - NRR, Brian	NRC
Smith, Maxwell	NRC
Sofu, Tanju	ANL
Sosa, Belkys	NRC
Spalding, Amanda J	Westinghouse
Stadtlander, Richard A.	Xcelenergy
Steckel, Jim	NRC
Stephen J. Burdick	INL
Steve Vaughn (Guest)	
Steven Nesbit	ANS
Steven Pope	ISLINC
Stu Magruder (Guest)	
Stutzcage, Edward	NRC
Stutzke, Marty	NRC
Susan Gallier	ANS
Tappert, John	NRC
Teal, Charles	NRC
Tetter, Keith	NRC
Thomas Hicks	EarthLink
Thornsbury, Eric	EPRI
Tindell, Brian	NRC
Tom Braudt (Guest)	
Tonsfeldt, Scott	NRC
Travis Chapman (Guest)	X-energy
Tseng, Ian	NRC
Valliere, Nanette	NRC
Van Wert, Chris	NRC
Vazquez, Justin	NRC
Villarreal, Tristan	NRC
Vitto, Steven	NRC
Vokoun, Patricia	NRC
Waller, Madeleine C	Westinghouse
Weerakkody, Sunil	NRC



Weisman, Robert	NRC
Wes Patrick (Guest)	
Whitman, Jen	NRC
Widmayer, Derek	NRC
Williams, Donna	NRC
Williams, Edith	FEMA
Willingham, Laura	NRC
Wolf, Carolyn	NRC
Wong, Yuken	NRC
Wu, De	NRC
Wyman, Steve	NRC
Zach, Andrew (EPW)	EPW