

U.S. Nuclear Regulatory Commission Public Meeting Summary

Title: License renewal for 40 years of additional plant operation.

Meeting Identifier: 20201409

Date of Meeting: February 18, 2021, 9:00 A.M. to 10:30 A.M. (Eastern Time)

Location: WebEx

Type of Meeting: This was a Category 3 meeting. Public participation is actively sought for this meeting to fully engage the public in a discussion of regulatory issues.

Purpose of the Meeting(s):

The U.S. Nuclear Regulatory Commission (NRC) sought public dialogue related to license renewal for nuclear power reactors, specifically the possibility of extending the time period for renewed licenses from 20 years to 40 years.

General Details:

The NRC staff held a public meeting to discuss with the public potential technical issues related to license renewal that would extend the time period for renewed licenses from 20 years to 40 years. The meeting began at 9:00 a.m. and ended at approximately 10:30 a.m. There were at least 140 named participants, including NRC staff, external stakeholders, and members of the public (Attachment).

A description and agenda of this meeting is provided in the NRC's Agencywide Documents Access and Management Systems (ADAMS) using Accession No. [ML21034A197](#). The meeting was transcribed (ADAMS Accession No. [ML21069A038](#)). The presentation slides can be found in ADAMS Accession No. [ML21042B879](#).

Summary of Meeting:

Opening remarks

The meeting started with Ms. Anna Bradford, the Director of the NRC Division of New and Renewed Licenses (DNRL), welcoming all participants and providing opening remarks. She emphasized that the meeting is to gauge public and industry feedback in general on this topic, not to get detailed input. Should the NRC decide to continue consideration of revising the license renewal duration from 20 years to 40 years, she stated that the NRC would likely have additional public meetings in the future to get more specific public and industry input. The meeting followed the agenda (ADAMS Accession No. [ML21034A197](#)) as planned.

Staff presentation

Dr. Allen Hiser of the NRC's DNRL described the basis for license renewal in the U.S., the regulatory provisions that limit license renewal to 20 years, the process for the NRC to review license renewal applications, the standard for approval of a renewed license, and potential

topics for 40-year license renewal. He also described provisions in the Statement of Considerations for the 1991 license renewal rule (see 56 Federal Register 64943, 64964, under the heading “Renewal Term”), which contemplate changing the 20-year limit “if the Commission has sufficient confidence in the adequacy of licensee programs to detect and resolve in a timely manner any unforeseen age-related degradation.”

Public comments

Industry and public comments are provided on pages 24 to 60 of the meeting transcript.

Mr. Christopher Earls of the Nuclear Energy Institute (NEI) provided comments on industry interest in license renewal for 40 years, stating that there are no plants considering the combination of an SLR with a license to 100 years, and that it is just not being discussed or on industry’s radar right now. Mr. Earls also stated that NEI is taking a neutral view on this effort, not opposed to it and not actively supporting it either.

Mr. Paul Gunter of Beyond Nuclear stated that they are opposed to this venture. He raised concerns regarding the need to benchmark aging management programs for 20 years, let alone the proposed 40 year license extension period. He also expressed concern with extension of the 2013 Generic Environmental Impact Statement (GEIS) for License Renewal to cover a 40 year license renewal period.

Other comments included concerns with:

- inadequacies in reactor pressure vessel material surveillance and embrittlement predictions
- further limits that would occur to public engagement that is currently available every 20 years and would change to every 40 years
- inadequate local outreach for environmental meetings
- the staff-identified benefit of focusing on oversight of AMP implementation should be implemented now even without license renewal for 40 years
- the inability of the public affected by the winter storms occurring in many parts of the country to participate in this meeting

Closing remarks

Ms. Anna Bradford provided closing remarks, first thanking all of the meeting participants. She emphasized that the NRC has not made a decision whether to move forward on this topic, and following the meeting, the NRC would have internal deliberations on whether to proceed. Further, she stated that if a decision is made to continue to investigate license renewal for 40 years, there will be other opportunities for public input, not just the opportunity that was provided today.

Attachment: Meeting Attendees

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<u>Name</u>	<u>Organization</u>
Paul Aitken	Dominion
Brian Allik	NRC
Kyle Amberge	Electric Power Research Institute (EPRI)
Isaac Anchondo-Lopez	NRC
Chris Bagley	MPR Associates
Michael Benson	NRC
Jana Bergman	Curtiss-Wright
Araceli Billoch	NRC
Eric Blocher	Dominion
Steven Bloom	NRC
Jan Boudart	Nuclear Energy Information Service (NEIS)
John Bozga	NRC
Anna Bradford	NRC
Mike Burke	EPRI
Scott Burnell	NRC
Mat Burton	NRC
Brandon Caldwell	Framatome
Tison Campbell	NRC
Roberto Caricchio	Eletronuclear - Brazil
Ganesh Cheruvenki	NRC
Robert Choromokos	EPRI
Jay Collins	NRC
John Conly	Certrec Corp
Alan Cox	Entergy
Robert Davis	NRC
Russell Day	Talen Energy
Jonathan DeLaune	Tennessee Valley Authority (TVA)
Dave Dijamco	NRC
Steven Dolley	S&P Global
Peter Donahue	TVA
Steven Downey	NRC
Chris Earls	NEI
Shanna Eismar	Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH - Germany
Carolyn Fairbanks	NRC
Edison Fernandez	NRC
Leo Fifield	Pacific Northwest National Laboratory (PNNL)
Kevin Folk	NRC
Steve Frankl	NRC
Bridget Frymire	NY Department of Public Service
Bart Fu	NRC

James Gavula	NRC
Lloyd Generette	U.S. Environmental Protection Agency (EPA)
Anita Ghosh Naber	NRC
Lauren Gibson	NRC
Hipo Gonzalez	NRC
Briana Grange	NRC
Erica Gray	
Kim Green	NRC
Dan Green	TVA
Pamela Greenlaw	Midlands Group of Sierra Club
Hans Gripenberg	Radiation and Nuclear Safety Authority (STUK) - Finland
Jeff Gromatzky	Enercon Services, Inc.
Paul Gunter	Beyond Nuclear
Lifeng Guo	NRC
Brian Harris	NRC
Craig Heah	Dominion
Terry Herrmann	Structural Integrity Associates
John Hilditch	Exelon
Suzanne Hiser	
Julia Hiser	Boston Scientific
Elaine Hiser	
Matt Hiser	NRC
Allen Hiser	NRC
Hoa Hoang	General Electric
Keith Hoffman	NRC
Robert Hoffman	NRC
Joel Jenkins	NRC
Ronaldo Jenkins	NRC
Wayne Johnson	EPRI
Marieliz Johnson	NRC
Travis Jones	NRC
Shane Jurek	Talen Energy
Amit Kalia	Luminant
Robert Krsek	NRC
Bryce Lehman	NRC
Thomas Lentz	Energy Harbor Nuclear Corporation
Tracey LeRoy	Duke Energy
Marvin Lewis	
Linda Lewison	
Ryan Lighty	Morgan, Lewis & Bockius LLP
Eric Magnuson	NRC
Bill Maher	NextEra Energy
Andrew Mantey	EPRI
Brandon Marlow	Southern Co
Nancy Martinez	NRC

Lisa Matis	Tetra Tech
Wynter McGruder	EPRI
Joe McManus	NRC
James Medoff	NRC
Alfred Meyer	
Eric Michael	TVA
Keith Miller	Dominion
Seung Min	NRC
Bruce Montgomery	NEI
Carol Moyer	NRC
Duc Nguyen	NRC
Richard Orthen	NextEra Energy
Joon Park	NRC
Alyse Peterson	New York State Energy Research and Development Authority
Jose Pires	NRC
Jeffrey Poehler	NRC
Andrew Prinaris	NRC
Bill Rautzen	NRC
Jeffrey Rikhoff	NRC
Caroline Rivard	Nuclear Watch South
Hector Rodriguez	NRC
Bill Rogers	NRC
David Roth	NRC
David Rudland	NRC
Mo Sadollah	NRC
Kaori Saito	Kyodo News - Japan
Mike Semmler	Westinghouse
Maggie Shober	Southern Alliance for Clean Energy
John Simons	MPR Associates, Inc.
Madhumita Sircar	NRC
Taylor Smith	Luminant
Carl Sweely	Framatome
Steve Swilley	EPRI
Andrew Taylor	TVA
Doug Tift	NRC
Jennifer Tobin	NRC
Tam Tran	NRC
Rob Tregoning	NRC
Raymond Trelka	NRC
John Tsao	NRC
Toby Walter	Neal R. Gross & Co., Inc.
George Want	NRC
Chris Wax	EPRI
Heather Westra	Prairie Island Indian Community (PIIC)
Dan Widrevitz	NRC

Don Williams	XCEL Engineering
Steven Williams	EPRI
Chris Wilson	Exelon
Emma Wong	EPRI
Mary Woods	NRC
Angela Wu	NRC
On Yee	NRC
Mark Yoo	NRC
Sho Yoshinaga	Japan Electric Power Information Center, USA (JEPIC-USA)
Paul Young	Xcel Energy