



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

March 23, 2021

MEMORANDUM TO: Dennis C. Morey, Chief  
Licensing Projects Branch  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

FROM: Ngola Otto, Project Manager */RA/*  
Licensing Projects Branch  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MARCH 18, 2021, PARTIALLY CLOSED MEETING  
WITH GLOBAL NUCLEAR FUEL AND THE U.S. NUCLEAR  
REGULATORY COMMISSION REGARDING HIGHER BURNUP  
ADVANCED BOILING WATER REACTOR FUELS  
(EPID L-2021-LRO-0009)

On March 18, 2021, the U.S. Nuclear Regulatory Commission (NRC) staff held a partially closed teleconference meeting via Microsoft Teams with representatives from Global Nuclear Fuel (GNF). The purpose of the meeting was for GNF and the NRC staff to discuss plans for using higher burnup (HBU) advanced Boiling Water Reactor (BWR) fuels. The meeting was noticed on March 5, 2021, and is available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML21064A228. This meeting is a follow-up to the February 2, 2021, meeting (ADAMS Accession No. ML21026A240) with Exelon, Southern Nuclear Company, and GNF on HBU BWR fuels.

During the open session of the meeting representatives from GNF provided an overview of GNF plan for Risk-Informed licensing for increasing the burnup limit for BWR fuels. There were no questions from members of the public during the open session. During the closed session of the meeting, GNF discussed Risk-Informed approach, submittal and approval strategy, and risk assessments for specific impacted analyses, and addressed the NRC staff's questions pertaining to its planned submittal of its HBU extension topical report. GNF and the NRC plan to have a follow-up meeting to complete the discussion on risk assessments for specific impacted analyses and high burnup core designs.

A list of the attendees is enclosed. The presentation materials, including this meeting summary, can be found at ADAMS Package Accession No. ML21064A404.

Enclosure: As stated

CONTACT: Ngola Otto, NRR/DORL  
301-415-6695

**List of Attendees**

PARTIALLY CLOSED MEETING WITH GLOBAL NUCLEAR FUELS AND  
U.S. NUCLEAR REGULATORY COMMISSION (NRC) REGARDING  
HIGHER BURNUP ADVANCED BWR FUELS

MARCH 18, 2021

3:00 pm – 5:00 pm

<b><u>NAME</u></b>	<b><u>ORGANIZATION</u></b>
Paul Cantonwine	Global Nuclear Fuel – Americas (GNF)
Peter Diller	GNF
Christopher Edgar	GNF
Russ Fawcett	GNF
Kent Halac	GNF
Roseanne Harrington	GNF
Jim Harrison	GNF
Dave Hindera	GNF
Yu Huang	GNF
Randy Jacobs	GNF
Shawn Lamb	GNF
Guangjun Li	GNF
Christan McElroy	GNF
Brian Moore	GNF
Kurshad Muftuoglu	GNF
Ian Porter	GNF
Tyler Schweitzer	GNF
Russell Stachowski	GNF
Tao Wu	GNF
Bill Gassmann	Exelon Generation Company (Exelon)
Shane Gardner	Exelon
John McHale	Exelon
Rebecca Steinman	Exelon
Johnathan Chavers	Southern Nuclear Company (SNC)
Randall Dunavant	SNC
Joseph Donoghue	U. S. Nuclear Regulatory Commission (NRC)
Philip McKenna	NRC
MJ Ross-Lee	NRC
Robert Lukes	NRC
Ekaterina Lenning	NRC
Michael Orenak	NRC

Enclosure

<u>NAME</u>	<u>ORGANIZATION</u>
Ngola Otto	NRC
Kevin Heller	NRC
Paul Clifford	NRC
Andrew Proffitt	NRC
Mathew Panicker	NRC
John Lehning	NRC
Joseph Messina	NRC
Brandon Wise	NRC
John Wise	NRC
Josh Whitman	NRC
Lucas Kyriazidis	NRC
Andrew Barto	NRC
Elijah Dickson	NRC
Kristy Buckoltz	NRC
James Corson	NRC
Alice Chung	NRC
April Pulvirenti	NRC
Ronald Ballinger	Advisory Committee on Reactor Safeguards (ACRS)
Jose March-Leuba	ACRS
Joy Rempe	ACRS
Christopher Brown	ACRS
Zena Abdullahi	ACRS

SUBJECT: SUMMARY OF MARCH 18, 2021, PARTIALLY CLOSED MEETING WITH  
GLOBAL NUCLEAR FUEL AND THE U.S. NUCLEAR REGULATORY  
COMMISSION REGARDING HIGHER BURNUP ADVANCED BOILING WATER  
REACTOR FUELS (EPID L-2021-LRO-0009) MARCH 23, 2021

**DISTRIBUTION:**

PUBLIC	JCorson, RES
RidsACRS_MailCTR	ELenning, NRR
RidsNrrLADHarrison	JMessina, NRR
RidsOgcMailCenter	BWise, NRR
RidsNrrDssSfnb	EDickson, NRR
RidsNrrDoriLlpb	KBuckoltz, NRR
RidsResOd	LKyriazidis, RES
RidsNrrDss	AChung, RES
KHeller, NRR	AProffitt, NRR
DMorey, NRR	MOrenak, NRR
RLukes, NRR	MPanicker, NRR
NOtto, NRR	APulvirenti, NRR
JDonoghue, NRR	JWise, NMSS
MJRoss-Lee, NRR	ABarto, NMSS
PMcKenna, NRR	JMarch-Leuba, ACRS
PClifford, NRR	ZAbdullahi, ACRS
MPanicker, NRR	RBallinger, ACRS
JLehning, NRR	JRempe, ACRS
BWise, NRR	CBrown, ACRS
JWhitman, NRR	

**EXTERNAL DISTRIBUTION:**

Kent.Halac@ge.com

**ADAMS Accession Nos.:**

**ML21064A404 (Package)**

**ML21081A200 (Summary)**

**ML21075A219 (Affidavit)**

**ML21075A230 (Presentation - Proprietary)**

**ML21064A405 (Presentation - Non-Proprietary)**

**\*via e-mail**

OFFICE	NRR/DORL/LLPB/PM*	NRR/DORL/LLPB/LA*	NRR/DORL/LLPB/BC*	NRR/DORL/LLPB/PM*
NAME	NOtto	DHarrison	DMorey	NOtto
DATE	3/22/2021	3/22/2021	3/23/2021	3/23/2021

**OFFICIAL RECORD COPY**