



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

April 20, 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 APRIL 6, 2021, CLOSED MEETING WITH GLOBAL  
NUCLEAR FUEL AND THE U.S. NUCLEAR REGULATORY  
COMMISSION FOR UPDATE ON ARMOR TOPICAL REPORT DATA  
(EPID L-2019-PMP-0098)

On April 6, 2021, the U.S. Nuclear Regulatory Commission (NRC) staff held a closed teleconference meeting via Microsoft Teams with representatives from Global Nuclear Fuel (GNF). The purpose of the meeting was for GNF to provide an update on Abrasion Resistant More Oxidation Resistant (ARMOR) Post-Irradiation Exam (PIE) data results from Oak Ridge National Laboratory (ORNL) observations. The meeting was noticed on March 18, 2021, and is available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML21078A159. This meeting is a follow-up to the March 17, 2021, monthly management TR status meeting with GNF and the NRC.

During the meeting representatives from GNF discussed ORNL ARMOR PIE data results from lead test assemblies (LTAs), including ARMOR performance characteristics, discovery timeline, ARMOR PIE rapid exam update, sampling locations, ORNL unirradiated ARMOR polished condition, and next steps. GNF addressed the NRC staff's questions pertaining to ARMOR test results and future testing activities. GNF plans to conduct additional assessment of current and future post operation ARMOR LTA results and will have additional interaction with the NRC to provide updates.

A list of the attendees is enclosed. The presentation materials, including this meeting summary, can be found at ADAMS Package Accession No. ML21096A277.

Enclosure: As stated

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

**List of Attendees**

CLOSED MEETING WITH GLOBAL NUCLEAR FUELS AND  
U.S. NUCLEAR REGULATORY COMMISSION FOR UPDATE ON  
ARMOR TOPICAL REPORT DATA

APRIL 6, 2021  
9:00 am – 10:00 am

<b><u>NAME</u></b>	<b><u>ORGANIZATION</u></b>
Michelle Catts	Global Nuclear Fuel – Americas (GNF)
Connor Myles	GNF
Russ Fawcett	GNF
Kent Halac	GNF
Yang-Pi Lin	GNF
Mason Makovicka	GNF
Patty McCumbee	GNF
Tyler Schweitzer	GNF
John Tubergen	Exelon Generation Company (Exelon)
Philip Wengloski	Exelon
Johnathan Chavers	Southern Nuclear Company (SNC)
Randall Dunavant	SNC
Joseph Donoghue	U. S. Nuclear Regulatory Commission (NRC)
Philip McKenna	NRC
Dennis Morey	NRC
Robert Lukes	NRC
Michael Markley	NRC
Joel Wiebe	NRC
Ekaterina Lenning	NRC
Michael Orenak	NRC
Ngola Otto	NRC
Kevin Heller	NRC
Paul Clifford	NRC
Andrew Proffitt	NRC
Mathew Panicker	NRC
John Lehning	NRC
John Wise	NRC
Matt Bartlett	NRC
Josh Whitman	NRC
Lucas Kyriazidis	NRC

Enclosure

<b><u>NAME</u></b>	<b><u>ORGANIZATION</u></b>
Andrew Barto	NRC
James Corson	NRC
Alice Chung	NRC
Robert Krsek	NRC

SUBJECT: SUMMARY OF APRIL 6, 2021, CLOSED MEETING WITH GLOBAL NUCLEAR FUEL AND THE U.S. NUCLEAR REGULATORY COMMISSION FOR UPDATE ON ARMOR TOPICAL REPORT DATA (EPID L-2019-PMP-0098) DATED APRIL 20, 2021

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**ADAMS Accession Nos.:**

**ML21096A277 (Package)**

**ML21103A339 (Summary)**

**ML21096A288 (Affidavit)**

**ML21096A283 (Presentation - Proprietary)**

**ML21103A011 (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	04/13/2021	04/15/2021	04/16/2021	04/20/2021

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