



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

June 22, 2022

MEMORANDUM TO: Thomas H. Boyce, Chief
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

FROM: Jonathan G. Rowley, Project Manager
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

A handwritten signature in black ink that reads "Jonathan Rowley".

SUBJECT: SUMMARY OF MAY 3, 2022, PRE-APPLICATION MEETING WITH
GLOBAL NUCLEAR FUEL – AMERICAS REGARDING A POTENTIAL
LICENSE AMENDMENT REQUEST TO ALLOW ENRICHMENT UP TO
8 WEIGHT PERCENT URANIUM-235

On May 3, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff held a virtual public meeting with Global Nuclear Fuel – Americas (GNF-A) representatives via Microsoft Teams. The purpose of the meeting was to discuss the GNF-A plans for submitting a license amendment request to allow fuel fabrication with enrichments up to 8 weight percent uranium-235.

GNF-A informed the NRC staff of the rationale for the potential fabrication of high assay low-enriched uranium. GNF-A discussed the elements of the special nuclear material license that they see are affected by an increase in enrichment. GNF-A discussed some of the criticality safety analyses that may need to be re-evaluated if high enrichment is pursued. GNF-A provided an overview of the facility modifications that could be required. GNF-A went in-depth on the potential integrated safety analysis changes that could result for fabrication at a higher enrichment level. The environmental impacts of fabrications at higher enrichment were also discussed. GNF-A also indicated the specific chapter in the license that would and would not change due to operating at a higher enrichment.

A list of participants is provided as Enclosure 1. The meeting notice can be found in ADAMS at Accession Number ML22110A134. The GNF-A presentation given during the meeting can be found at accession number ML22104A092.

CONTACT: Jonathan Rowley, NMSS/DFM
301-415-4053

Enclosure:
Participants List

SUBJECT: SUMMARY OF MAY 3, 2022, PRE-APPLICATION MEETING WITH GLOBAL NUCLEAR FUEL – AMERICAS REGARDING A POTENTIAL LICENSE AMENDMENT REQUEST TO ALLOW ENRICHMENT UP TO 8 WEIGHT PERCENT URANIUM-235. DOCUMENT DATE: June 22, 2022

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**ADAMS Accession Nos.: ML22159A235 (Pkg) ML22159A236 (Memo and Encl.)
ML22110A134 (Notice) ML22104A092 (Presentation)**

OFFICE	DFM/FFLB/PM	DFM/FFLB/LA	DFM/FFLB/BC
NAME	JRowley	ELee	TBoyce
DATE	06/03/2022	06/13/2022	06/21/2022

OFFICIAL RECORD COPY

PARTICIPANTS LIST

Name	Organization
Phillip D. Ollis	Global Nuclear Fuel - Americas
Jonathan A Rohner	Global Nuclear Fuel - Americas
Karen Williams	Global Nuclear Fuel - Americas
Doug M Nay	Global Nuclear Fuel - Americas
Tyler Schweitzer	Global Nuclear Fuel - Americas
Julie A. Hawkins	Global Nuclear Fuel - Americas
Rich Augi	Global Nuclear Fuel - Americas
Adam Frye	Global Nuclear Fuel - Americas
Suzanne Kroma	Global Nuclear Fuel - Americas
David Barrientos	Global Nuclear Fuel - Americas
Ryan Huth	Global Nuclear Fuel - Americas
Steven Pope	Public
Susan Hoxie-Key	Public
John Pfabe	Public
Ben Nelson	Public
Andrea Jennetta	S&P Global
Jonathan Rowley	U.S. Nuclear Regulatory Commission
Mike Call	U.S. Nuclear Regulatory Commission
Lindsey Cooke	U.S. Nuclear Regulatory Commission
James Hammelman	U.S. Nuclear Regulatory Commission
Jimmy Chang	U.S. Nuclear Regulatory Commission
Joel Rivera Ortiz	U.S. Nuclear Regulatory Commission
Suzanne Ani	U.S. Nuclear Regulatory Commission
Glenn Tuttle	U.S. Nuclear Regulatory Commission
Jacob Zimmerman	U.S. Nuclear Regulatory Commission
Jeremy Smith	U.S. Nuclear Regulatory Commission
James Rubenstone	U.S. Nuclear Regulatory Commission
Damaris Marcano	U.S. Nuclear Regulatory Commission
Marilyn Diaz Maldonado	U.S. Nuclear Regulatory Commission
Robert Williams	U.S. Nuclear Regulatory Commission
Kenneth Kline	U.S. Nuclear Regulatory Commission
Jessie Quintero	U.S. Nuclear Regulatory Commission
Jeremy Munson	U.S. Nuclear Regulatory Commission
Jason Piotter	U.S. Nuclear Regulatory Commission
Magnus Mori	Urenco USA

Enclosure