



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

June 12, 2014

MEMORANDUM TO: Anthony Hsia, Deputy Director
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

FROM: Huda Akhavannik, Project Manager */RA/*
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF MAY 28, 2014, PRE-APPLICATION MEETING
WITH GLOBAL NUCLEAR FUEL - AMERICAS, LLC,
REGARDING SUBMITTAL REQUESTS FOR THE MODEL NO.
RAJ-II TRANSPORTATION PACKAGE

Background.

On May 28, 2014, a pre-application meeting was held in Rockville, Maryland, at the request of Global Nuclear Fuel - Americas, LLC (GNF-A) to discuss future requests to be submitted to the Nuclear Regulatory Commission regarding the Model No. RAJ-II transportation package.

The meeting was noticed on May 8, 2014 [ML14128A416]. The list of meeting attendees, including those participating via telephone, is provided as Enclosure 1. The meeting handout is provided as Enclosure 2.

Discussion.

The primary purpose of the meeting was to discuss future submittals to be made regarding the Model No. RAJ-II transportation package. GNF-A began by providing a brief description of the current Model No. RAJ-II transportation package. The Model No. RAJ-II transportation package is currently on Revision 9 of its certificate of compliance (CoC) and is approved to ship two boiling water reactor assemblies of individual fuel rods enriched below 5 weight percent U-235. GNF-A plans to submit a renewal request and possibly two letter authorization requests on this package.

For the renewal, GNF-A plans to submit a consolidated safety analysis report (SAR) which will incorporate all the page changes resulting from previous amendments. This SAR update will be administrative and is expected to be submitted in June 2014. Staff indicated that if the changes were indeed administrative that the renewal would not require a technical review team and could be completed in a timely manner.

GNF-A then discussed their "loose rod project" which could possibly result in the submittal of a letter authorization. For this project, GNF-A would use the existing CoC loose rod content parameters but would request a smaller rod outer diameter. Currently, the CoC states that loose rods will be shipped in 5-inch stainless steel pipes with minimum rod outer diameter of 1.118 cm. GNF-A would request a 1.117 cm minimum rod outer diameter. This request would be for shipments beginning in the late October/November 2014 timeframe to early 2015. GNF-A indicated submitting this request in July 2014. Staff indicated that if GNF-A can foresee needing a smaller rod outer diameter in the future, then instead of in a letter authorization, this request could be made as part of an amendment.

GNF-A then discussed their "lead use assembly" project. GNF-A spoke briefly about these new fuel design rods due to proprietary reasons, but indicated that they meet the existing CoC authorized contents except for some assembly parameters. Any future submittal would evaluate specific structural and criticality aspects. Staff and GNF-A discussed the pros and cons of shipping using a letter authorization versus an amendment. To simplify the request, the fuel assembly will be unchanneled and a maximum of four RAJ-II packages will be on a single truck. Shipments to customers for this content are planned for 2015 and 2016 and GNF-A plans to submit their request for NRC review in August 2014.

Docket No. 71-9309

TAC No. L24919

Enclosures:

1. Meeting Attendees
2. Meeting Handouts

GNF-A then discussed their “loose rod project” which could possibly result in the submittal of a letter authorization. For this project, GNF-A would use the existing CoC loose rod content parameters but would request a smaller rod outer diameter. Currently, the CoC states that loose rods will be shipped in 5-inch stainless steel pipes with minimum rod outer diameter of 1.118 cm. GNF-A would request a 1.117 cm minimum rod outer diameter. This request would be for shipments beginning in the late October/November 2014 timeframe to early 2015. GNF-A indicated submitting this request in July 2014. Staff indicated that if GNF-A can foresee needing a smaller rod outer diameter in the future, then instead of in a letter authorization, this request could be made as part of an amendment.

GNF-A then discussed their “lead use assembly” project. GNF-A spoke briefly about these new fuel design rods due to proprietary reasons, but indicated that they meet the existing CoC authorized contents except for some assembly parameters. Any future submittal would evaluate specific structural and criticality aspects. Staff and GNF-A discussed the pros and cons of shipping using a letter authorization versus an amendment. To simplify the request, the fuel assembly will be unchanneled and a maximum of four RAJ-II packages will be on a single truck. Shipments to customers for this content are planned for 2015 and 2016 and GNF-A plans to submit their request for NRC review in August 2014.

Docket No. 71-9309

TAC No. L24919

Enclosures:

1. Meeting Attendees
2. Meeting Handouts

DISTRIBUTION: CLOSERS TAC NO. L24919

SFST r/f NRC Attendees

G:\SFST\Akhavannik\RAJ-II\Meetings\05282014 Public Meeting Summary.docx

G:\SFST\Akhavannik\RAJ-II\Meetings\ 05282014 NRC RAJ-II Presentation 5-14.pdf

ADAMS Package ML14167A549, Memo ML14167A551, Slides ML14167A552

OFC:	SFST	E	SFST		SFST		
NAME:	HAkhavannik		MDeBose		JNguyen for MSampson		
DATE:	06/11/2014		06/12/2014		6/12/2014		

C = COVER E = COVER & ENCLOSURE N = NO COPY OFFICIAL RECORD COPY

Meeting Attendees
GNF-A and NRC Meeting
May 28, 2014, 1:00 p.m. – 4:00 p.m.

NAME	AFFILIATION	PHONE NUMBER
Scott Murray	GNF-A	910-819-5950
Bryce MacDonald	GNF-A	910-819-6537
Huda Akhavannik	NRC/NMSS/SFST	301-287-9241
Cindy Fung Poon	GNF-A	910-819-6829
Bob Tripathi	NRC/NMSS/SFST	301-287-9194
David Tang	NRC/NMSS/SFST	301-287-0678
Bernie White	NRC/NMSS/SFST	301-287-0810
James Ross	GNF-A	202-637-4160
Haile Lindsay	NRC/NMSS/SFST	301-287-0665
Christian Araguas	NRC/NMSS/SFST	301-287-9232
Kendell McGowen	GNF-A	
Kate Martin	GNF-A	
Andrew Barto	NRC/NMSS/SFST	301-287-0859
Jimmy Chang	NRC/NMSS/SFST	301-287-9096
Xi Ao	GNF-A	
Phillip Ollis	GNF-A	
Marvin Lewis	Member of the Public	