



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

~~October 9, 2020~~

TBD

Mr. Timothy J. Tate, Manager  
Environmental, Health, Safety and Licensing  
Framatome, Inc.  
2101 Horn Rapids Road  
Richland, WA 99354

SUBJECT: AUTHORIZATION FOR SHIPMENT OF FRAMATOME BOILING WATER REACTOR ATRIUM 10XM FRESH FUEL ASSEMBLIES EQUIPPED WITH INERT TEST RODS

Dear Mr. Tate:

and supplemented on  
November 4, 2020

As requested by your application dated June 15, 2020 (ADAMS Accession No: ML20167A186), pursuant to Title 10 of the *Code of Federal Regulations* Part 71, the Certificate of Compliance (CoC) No. 9372, for the Model No. TN-B1 package is amended to authorize a maximum of ~~1 shipment~~ of Framatome Boiling Water Reactor (BWR) ATRIUM 10XM (FANP 10X10) fresh fuel assemblies (FA), equipped with inert test rods, to support the development of Enhanced Accident Tolerant Fuels (eATF), as follows:

3 shipments

- (1) ~~Authorization is for a maximum of 1 shipment of all 8 test rods (4 fuel assemblies) in one transport.~~ Authorization is for a maximum of 3 shipments of up to 8 test rods (4 fuel assemblies) in one transport.
- (2) The ATRIUM 10XM LTR FAs include up to two test rods located on the periphery of the assembly, in locations B10 and L2. FAs contain commercial grade uranium, meet Type A contents, and shall be shipped channeled.
- (3) TN-B1 packages transporting ATRIUM 10XM LTR FAs shall commingle only with other TN-B1 packages transporting fresh fuel assemblies currently approved in the CoC No. 9372.
- (4) All other conditions of CoC No. 9372 shall remain the same.
- (5) This authorization shall expire on October 31, 2021.

If you have any questions regarding this authorization, please contact Pierre Saverot of my staff at (301) 415-7505.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

**John B. McKirgan**

Digitally signed by John B.

McKirgan

Date: 2020.10.09 11:32:08 -04'00'

John McKirgan, Chief  
Storage and Transportation Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 71-9372  
EPID L-2020-LLA-0087

Enclosure: Safety Evaluation Report

cc w/encl: R. Boyle, Department of Transportation  
J. Shuler, Department of Energy c/o L. F. Gelder

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DOCUMENT DATED: October 9, 2020

DISTRIBUTION: SFST r/f ADimitriadis, RI; BDesai, RII; DHills, RIII; GWarnick, RIV

Closes EPID L-2020-LLA-0087

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ADAMS Accession Nos.: ML20283A357 (Pkg) ML20283A358 (Ltr)  
ML20283A359 (Encl)

<b>OFC:</b>	DFM	DFM	DFM	DFM	DFM	DFM
<b>NAME:</b>	PSaverot	ABarto	RChang	SFigueroa	JMcKirgan	
<b>DATE:</b>	09/28/2020	09/28/2020	09/30/2020	10/02/2020	10/09/2020	

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