



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

October 9, 2020

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:

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:

- (1) Authorization is for a maximum of 1 shipment of all 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 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	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		

C = COVER

E = COVER & ENCLOSURE

N = NO COPY

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