



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

October 16, 2019

**LICENSEE:** Susquehanna Nuclear, LLC

**FACILITY:** Susquehanna Steam Electric Station, Units 1 and 2

**SUBJECT:** SUMMARY OF SEPTEMBER 16, 2019, CLOSED MEETING WITH  
SUSQUEHANNA NUCLEAR, LLC REGARDING THE TRANSITION TO ALLOW  
THE USE OF ATRIUM 11 FUEL FOR THE SUSQUEHANNA STEAM ELECTRIC  
STATION, UNITS 1 AND 2 (EPID L-2019-LLA-0153)

On September 16, 2019, a closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Susquehanna Nuclear, LLC (the licensee) and Framatome Inc. (Framatome) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss the Anticipated Transient Without Scram With Instability Analyses to allow the use of ATRIUM 11 fuel for the Susquehanna Steam Electric Station, Units 1 and 2. A list of attendees is provided as Enclosure 1.

During the meeting, the NRC staff asked the licensee and Framatome to discuss the impact of the transition to ATRIUM 11 fuel on the Anticipated Transient Without Scram With Instability analysis results including:

- a) Changes in core operating characteristics because of the ATRIUM 11 fuel.
- b) Changes in operating limits for ATRIUM 11 fuel.
- c) Changes that affect the time constant for heat transfer from fuel to coolant.

The licensee gave insight about the distribution of the pressure drop; an understanding about the gap conductance; and what references can be used to locate the comparative stability calculations. No regulatory decisions were made during the meeting.

Members of the public were not in attendance.

Please direct any inquiries to me at (301) 415-1387 or [Tanya.Hood@nrc.gov](mailto:Tanya.Hood@nrc.gov).

Sincerely,

**/RA/**

Tanya E. Hood, Project Manager  
Plant Licensing Branch I  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-387 and 50-388

Enclosure:  
List of Attendees

cc: Listserv

LIST OF ATTENDEES

SEPTEMBER 16, 2019, CLOSED MEETING WITH SUSQUEHANNA NUCLEAR, LLC

REGARDING THE TRANSITION TO ALLOW THE USE OF ATRIUM 11 FUEL

FOR SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2

<b><u>Name</u></b>	<b><u>Organization</u></b>
Ganesh Cheruvenki	U.S. Nuclear Regulatory Commission (NRC)
Tanya Hood	NRC
Scott Krepel	NRC
Ashley Smith	NRC
Pete Snyder	NRC
Jason Hartzell	Susquehanna Nuclear, LLC (Susquehanna)
Jeff Hirt	Susquehanna
Shane Jurek	Susquehanna
William Kahler	Susquehanna
Melisa Krick	Susquehanna
Ronald Vasquez	Susquehanna
Roland DeSteese	Framatome Inc. (Framatome)
Christopher Hoffman	Framatome
Alan Meginnis	Framatome
Kevin Quick	Framatome
Daniel Tinkler	Framatome

Enclosure

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STATION, UNITS 1 AND 2 (EPID L-2019-LLA-0153) DATED  
OCTOBER 16, 2019

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ASmith, NRR  
SKrepel, NRR  
PSnyder, NRR  
GCherukenki, NRR  
JParillo, NRR  
SGoetz, NRR

**ADAMS Accession No.: ML19259A222**

**\*by e-mail**

OFFICE	DORL/LPL1/PM	DORL/LPL1/LA	DSS/STSB/BC*	DSS/SNPB/BC
NAME	THood	CSmith	VCusumano	RLukes
DATE	09/16/2019	10/01/2019	10/03/2019	10/02/2019
OFFICE	DSS/SRXB/BC	DMLR/MVIB/BC	DORL/LPL1/BC	DORL/LPL1/PM
NAME	JBorromeo(A)	DAiley	JDanna	THood
DATE	10/02/2019	10/02/2019	10/16/2019	10/16/2019

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