

framato**me**

EMF-93-177, Revision 1,
Supplement 3,
ATRIUM BWR
Enhanced Accident
Model (A-BEAM)
Pre-Submittal Meeting

Scott Adair, Morris Byram, Benoit
Dulauroy, Szilard Kovacs

Remote, 11/7/2024

Safety Message

Office Safety

Office incidents happen when people rush, don't keep things in the proper place or take unnecessary risks.

Eliminate Tripping Hazards – Use handrails on stairs, keep your eyes on path and do not place or store items in stairwells.

Practice “Wire Management” – To avoid wire and cord trip hazards, loosely wrap and tie the wires and cords, and arrange them so they are not in the path of travel.

Use Step Stools or Contact Facilities – Do not stand on tables, chairs, desks, etc.

General Office Safety

- Close desk and file drawers when not in use.
- Avoid storing items in aisles or travel paths.
- Use carts or **get help** when lifting and carrying heavy objects. Lift with your legs, not your back.
- Do not daisy chain power strips.
- Do not run extension cords under carpeting, through windows or doorways, or fasten to walls or other surfaces with staples or other metallic fasteners.
- Ensure items stored or hung overhead are well secured to prevent falling objects.



Order and cleanliness

Practice good housekeeping!



First minutes dedicated to safety

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A-BEAM Team Introduction

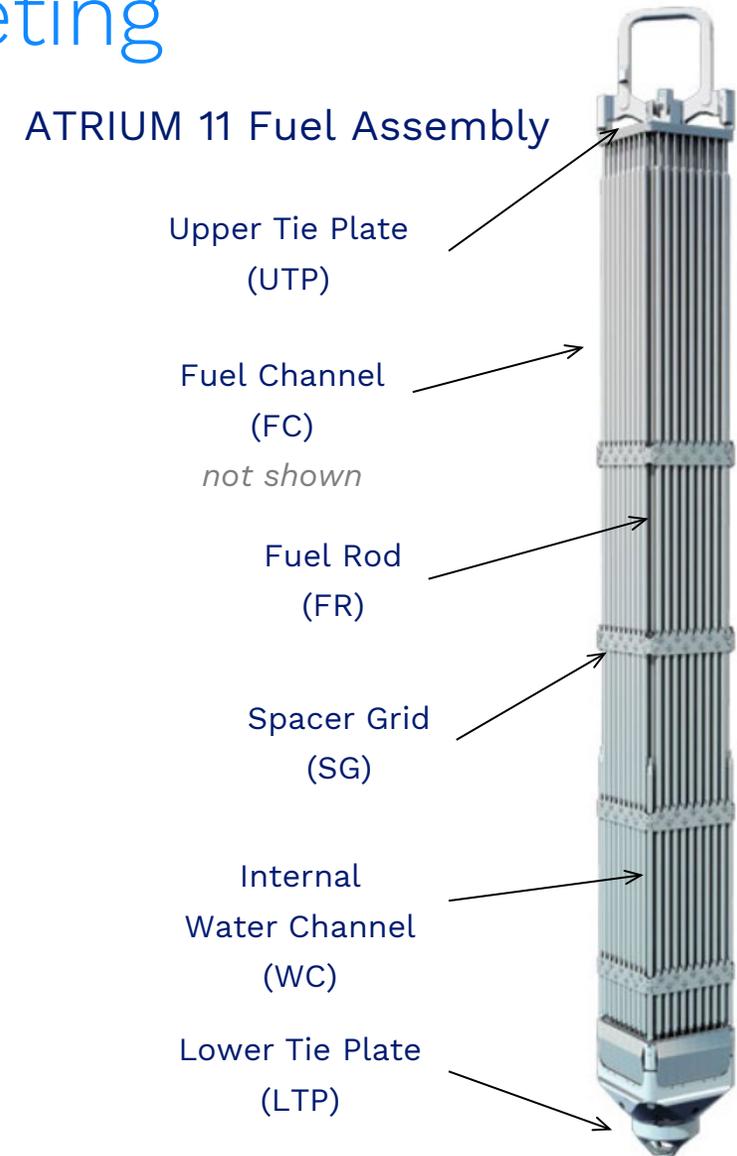
- **BWR Analysis Group – Mechanical Engineers**
Richland, WA, and Erlangen, Germany
- **Scott Adair** – Engineering Project Lead, Richland, WA
 - 17 years of experience at Framatome, specializing in accident analysis since 2013
- **Szilard Kovacs, PhD** – Framatome Senior Expert, Erlangen, Germany
 - 21 years of experience at Framatome, PhD earned in 2010
- **Benoit Dulauroy** – Framatome Expert, Richland, WA
 - 19 years of experience at Framatome, specializing in accident analysis since 2017
- **Keziah Hampton** – Mechanical Engineer, Richland, WA
 - 4 years of experience at Framatome, focusing on accident analysis since 2021

Topical Report History

- *EMF-93-177, Revision 1, Mechanical Design for BWR Fuel Channels - approved August 2005*
- *This TR : EMF-93-177, Revision 1, Supplement 3P ATRIUM BWR Enhanced Accident Model (A-BEAM) earlier pre-submittal meeting on 11/19/2020*
 - *Minor changes since last pre-submittal meeting*
 - *SHP-1 full bundle (channeled and un-channeled) testing completed in 2021, evaluations completed in 2022*

Objectives for Pre-Submittal Meeting

- Provide an overview of Framatome's upcoming submittal of TR supplement to Mechanical Design for BWR Fuel Channels addressing accident analyses
 - *EMF-93-177, Revision 1, Supplement 3P ATRIUM BWR Enhanced Accident Model (A-BEAM)*
 - TR supplement provides an option for a more detailed horizontal dynamic model to get more refined accident analysis results for fuel assembly components.
 - No change to the TR sections related to the fuel channel design, design criteria, or normal operation analysis methods.
- Obtain NRC feedback



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Thank

you