

AGENDA

**TR-0616-48793, "Nuclear Analysis Codes and Methods Qualification," Revision 0
&
TR-0116-21012, "Critical Heat Flux Correlation," Revision 1**

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Tuesday, May 15, 2018

Open session bridge number: 866-822-3032 - Passcode: 8272423

	Topic	Presenter(s)	Time
I	CHAIRMAN OPENING REMARKS	Michael Corradini, ACRS	1:00 - 1:05 PM
II	Overview: <u>Power Nuclear Analysis Codes</u> <ul style="list-style-type: none"> • Code Description • Core and Reflector Description • Code Validation and Benchmarking • Nuclear Reliability Factor Generation • Code Application <u>Critical Heat Flux Correlation</u> <ul style="list-style-type: none"> • Introduction and Background • Correlation Development • VIPRE-01 Code 	NuScale	1:05 - 1:35 PM
III	Overview: Power Nuclear Analysis Codes & Critical Heat Flux Correlation	B. Baval, NRO T. Drzewiecki, NRO	1:35 - 2:05 PM
IV	Public Comment		2:05 - 2:20 PM
	Break		2:20 - 2:30 PM
CLOSED SESSION BEGINS			
V	NuScale - Power Nuclear Analysis Codes <ul style="list-style-type: none"> • CASMO5 and SIMULATE5 Code Description • Benchmarks • Nuclear Reliability Factors and Update Methods 	NuScale	2:30 - 3:15 PM
VI	NRC - Power Nuclear Analysis Codes <ul style="list-style-type: none"> • Review Scope and Approach • Geometric, Material, and Physics Modeling • Code-to-code Benchmarking • Code Validation • Application Uncertainty • Limitations and Conditions 	T. Drzewiecki, NRO B. Baval, NRO	3:15 - 4:00 PM
	NuScale - Critical Heat Flux Correlation <ul style="list-style-type: none"> • CHF Correlation Development Background • CHF Testing Facilities • NSP1 and NSP2 Correlation Development 	NuScale	4:00 - 4:45 PM

ADVISORY COMMITTEE OF REACTOR SAFEGUARDS

	<ul style="list-style-type: none"> • NSP4 Correlation Development • Ranges of Applicability 		
	<p>NRC - Critical Heat Flux Correlation</p> <ul style="list-style-type: none"> • Review Scope and Approach • Experimental Data • Model Generation • Model Validation • Limitations 	T. Drzewiecki, NRO B. Bovol, NRO	4:45 - 5:30 PM
VII	ACRS Members Remarks		5:30 - 5:45 PM
	Adjourn		5:45 PM

- During the meeting, use 301-415-7360 to contact the ACRS Office.
- Presentation time should not exceed 50 percent of the total time allocated for a given item. The remaining 50 percent of the time is reserved for discussion.
- Thirty five hard copies of each presentation or handout should be provided to the Designated Federal Official (DFO)/ACRS Contact 30 minutes before the meeting.
- One electronic copy of each presentation should be e-mailed to the DFO/ACRS Contact one day before the meeting.