

Advanced Reactor Technologies Gas-Cooled Reactor Program Review

July 13-14, 2021
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July 13, 2021
Advanced Gas Reactor (AGR) Program
Session 1 (All Times MT)

8:00	Welcome and meeting logistics	Gerhard Strydom, INL
8:10	Department of Energy perspective	Tom Sowinski, DOE-NE
8:20	ART GCR program overview	Gerhard Strydom, INL
8:30	Advanced Gas Reactor program overview	Paul Demkowicz, INL
8:50	AGR-3/4 Post-irradiation Examination (PIE)	John Stempien, INL
9:10	AGR-3/4 modeling	Adriaan Riet, INL
9:30	FITT oxidation testing	Tyler Gerczak, ORNL
9:50	<i>Break</i>	
10:00	ORNL irradiated particle microanalysis	Tyler Gerczak, ORNL
10:20	INL particle microanalysis	Subhashish Meher, INL
10:40	AGR-5/6/7 irradiation analysis results and reporting	Paul Demkowicz, INL Mike Davenport, INL
11:10	AGR-5/6/7 PIE: brief results update and plans	John Stempien, INL
11:40	Wrap-up	Paul Humrickhouse, INL
11:55	<i>Adjourn Day 1</i>	

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July 14, 2021
GCR Advanced Materials and Experimental/Simulation Methods
Session 2 (All Times MT)

8:00	Advanced materials program summary	Sam Sham, INL
8:30	High Temperature Gas-Cooled Reactor (HTGR) simulation methods and international collaborations	Paolo Balestra, Gerhard Strydom, INL
9:00	Water-Cooled Natural Convection Shutdown Heat-Removal Test Facility (NSTF) data and status	Darius Lisowski, ANL
9:30	RELAP5-3D modeling of High Temperature Test Facility (HTTF) tests PG-26 and PG-27	Aaron Epiney, INL
10:00	<i>Adjourn Session 2</i>	



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Advanced Graphite Campaign (AGC) Program
Session 3 (All Times MT)

11:00	AGC R&D introduction	Will Windes, INL
11:15	Graphite baseline: unirradiated testing, web portal, split-disk testing	Austin Matthews, INL
11:35	AGC status: AGC-4, HDG-1, ASME data	Will Windes, INL
11:55	Oxidation studies: irradiated graphite, GIF summary, ASME	Rebecca Smith, INL
12:15	Molten Salt Reactors: testing status, ASME support	Nidia Gallego, ORNL
12:40	<i>Break</i>	
13:00	ASME (status, current and future task group activities)	Wilna Geringer, ORNL
13:20	Modeling (oxidation model, NRC-ASME degradation model)	Joseph Bass, INL
13:40	Collaborations (GIF, NEUP, Rx vendors, NRC, EPRI, international labs)	Will Windes, INL
14:00	AGC discussion	All
14:15	Meeting wrap-up	Gerhard Strydom, INL
14:30	<i>Adjourn meeting</i>	