

Advanced Gas Reactor TRISO Fuels Program Review

July 18-19, 2017
Center for Advanced Energy Studies (CAES)
995 University Boulevard
Idaho Falls, Idaho

Attire: Business casual

July 18, 2017

8:30	Welcome Introduction	Paul Demkowicz, INL
8:35	Department of Energy Nuclear Energy Perspectives	William McCaughey, DOE-NE
8:55	The Advanced Gas Reactor Fuel Development and Qualification Program Overview	Paul Demkowicz, INL
9:15	AGR-2 PIE Progress	John Stempien, INL
9:35	Reirradiation Testing	Paul Demkowicz, INL
9:55	<i>Break</i>	
10:15	AGR-2 PIE and Safety Testing	John Hunn, ORNL
10:45	AGR-2 Safety Testing at ORNL (FY2017)	Bob Morris, ORNL
11:15	AGR TRISO Fuel Advanced Microscopy and Micro-analysis Results: FY2017 Progress	Isabella van Rooyen, INL
11:45	<i>No Host Lunch</i>	
1:15	Effects Irradiation Damage on Fission Product Transport: FY2017 Progress	Isabella van Rooyen, INL
1:45	AGR-3/4 PIE: Fission Product Mass Balance in Capsules	John Stempien, INL
2:15	AGR-3/4 PIE: Destructive Exams	John Stempien, INL
2:45	Long Duration Heating Tests for Silver Release at Intermediate Temperatures	Tyler Gerczak, ORNL
3:15	<i>Break</i>	
3:35	High Temperature Testing of Surrogate Materials in air and Moisture	Tyler Gerczak, ORNL
4:05	AGR-5/6/7 Fuel Fabrication	Douglas Marshall, INL
4:35	The Advanced Gas Reactor TRISO Fuel Irradiation Experiments	Michael Davenport, INL
5:05	<i>Adjourn</i>	
6:30	No Host Dinner	Sandpiper 750 Lindsay Blvd

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8:00	Air Moisture Ingress Furnace Development	John Stempien, INL
8:30	GIF Leach-Burn-Leach Round Robin	John Hunn, ORNL
9:00	NDMAS Data Management and Archiving	Nancy Lybeck, INL
9:30	AGR Fuel Program Path Forward	Paul Demkowicz, INL
10:00	<i>Break</i>	
10:20	X-energy Progress Update	Pete Pappano, X-energy
10:35	Fabrication of Planar PyC/SiC Diffusion Couples to Study Radiation Enhanced Diffusion in Representative TRISO-Fuel SiC	Tyler Gerczak, ORNL
11:05	Fission product diffusion in SiC: experimental measurement and computational modeling	Robert Wahlen, University of Michigan
11:35	<i>Adjourn</i>	