

NRC-DOE Third Workshop on Advanced Reactors Agenda

April 25-26, 2017

Date: April 25, 2017	Time: 08:30 am to 05:00 pm
Location: Bethesda North Marriott Hotel and Conference Center, Salons A-C	

Time	Topic	Speaker
08:30 - 08:35 am	Welcome and logistics	<i>NRC (V. Ordaz)</i>
08:35 – 09:00 am	Opening remarks and objectives of the workshop	<i>NRC (Comm. Burns) DOE (R. Furstenuau)</i>
09:00 - 09:15 am 09:15 - 09:30 am 09:30 - 09:45 am	Update on non-LWR government initiatives <ul style="list-style-type: none"> • DOE initiatives • NRC initiatives • Q&A 	<i>DOE (T. Cook) NRC (A. Cubbage) ALL</i>
09:45 - 10:05 am	Break	
10:05 - 10:25 am 10:25 - 10:40 am 10:40 - 10:55 am 10:55 - 11:10 am 11:10 - 11:25 am 11:25 - 11:45 am	Regulatory review process options <ul style="list-style-type: none"> • Conceptual design assessment, staged review, prototype, pre-application interaction • CNSC update on advanced reactors/small modular reactor activities in Canada • Industry progress, initiatives, and concerns • Q&A 	<i>NRC (W. Reckley) CNSC (C. Morin) NEI (K. Austgen) NIC (J. Merrifield) NIA (A. Finan) ALL</i>
11:45 - 12:00 pm	Open Q&A session	<i>ALL</i>
12:00 - 01:00 pm	Lunch	
01:00 - 01:20 pm 01:20 - 01:40 pm	Safety-focused review for new reactor designs <ul style="list-style-type: none"> • Application of safety-focused review for NuScale • Q&A 	<i>NRC (L. Mrowca) ALL</i>
01:40 - 02:00 pm 02:00 - 02:20 pm 02:20 - 02:40 pm 02:40 - 03:00 pm	Use of modeling and testing in the reactor design and licensing process <ul style="list-style-type: none"> • Requirements and guidance • Modeling and testing programs (NEAMS, BISON) • Regulatory gaps, challenges, and suggestions • Q&A 	<i>NRC (S. Bajorek) LANL (C. Stanek) EPRI (A. Sowder) ALL</i>
03:00 - 03:20 pm	Break	
03:20 - 3:45 pm 03:45 - 4:00 pm	Standard review plan gap analysis <ul style="list-style-type: none"> • Standard review plan gap analysis – pilot results • Q&A 	<i>ORNL/INL (J. Kinsey) ALL</i>
04:00 - 04:20 pm 04:20 - 04:35 pm	Security by design <ul style="list-style-type: none"> • Security design considerations • Q&A 	<i>NRC (P. Lee/K. Lawson-Jenkins) ALL</i>
04:35 - 05:00 pm	Open Q&A session	<i>ALL</i>
05:00 pm	Adjourn	

Date: April 26, 2017

Time: 08:30 am to 03:30 pm

Location: Bethesda North Marriott Hotel and Conference Center, Salons A-C

Time	Topic	Speaker
08:30 - 08:35 am	Opening remarks and summary of day 1 activities	<i>DOE (C. Welling)</i>
08:35 - 08:50 am 08:50 - 09:05 am 09:05 - 09:20 am 09:20 - 09:40 am	Industry consensus standards development <ul style="list-style-type: none">• NRC strategy and priorities• DOE R&D scoping and support• Industry priorities and gaps/needs• Q&A	<i>NRC (T. Boyce)</i> <i>ORNL (G. Flanagan)</i> <i>DOE (W. Corwin)</i> <i>ALL</i>
09:40 - 10:00 am	Break	
10:00 - 10:30 am 10:30 - 10:50 am	Quality assurance to support research, development, and testing <ul style="list-style-type: none">• QA oversight of NuScale pre-application activities• Q&A	<i>NRC (P. Prescott)</i> <i>ALL</i>
	Reactor technology technical and licensing priorities	
11:00 - 11:30 am 11:30 - 11:50 am	High temperature gas reactor technology working group Q&A	<i>TWG (F. Shahrokhi)</i> <i>ALL</i>
11:50 - 01:00 pm	Lunch	
01:00 - 01:30 pm 01:30 - 01:50 pm	Fast reactor technology working group Q&A	<i>TWG (J. DeWitte)</i> <i>ALL</i>
01:50 - 02:20 pm 02:20 - 02:40 pm	Molten salt reactor technology working group Q&A	<i>TWG (N. Smith)</i> <i>ALL</i>
02:40 - 03:00 pm	Open Q&A session	<i>ALL</i>
03:00 - 03:15 pm	Summary and path forward <ul style="list-style-type: none">• Specific actions, desired outcomes, timetable• Potential framework for future discussion	<i>NRC (J. Monninger)</i>
03:15 - 03:30 pm	Closing remarks	<i>NRC (V. Ordaz)</i> <i>DOE (J. Herczeg)</i>
03:30 pm	Adjourn	