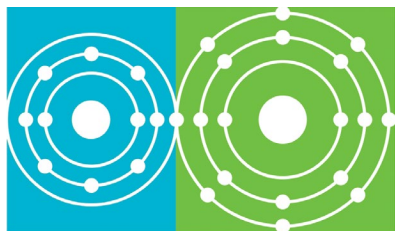


# MOLTEN SALT REACTOR CAMPAIGN REVIEW MEETING

ALL TIMES ARE PACIFIC DAYLIGHT TIME (PDT)

APRIL 26-27, 2022

TEAMS CALL



**Molten Salt Reactor**  
P R O G R A M

<b>TUESDAY, APRIL 26, 2022</b>			
8:00 AM	8:05 AM	Opening Remarks	Brian Robinson/DOE-NE
8:05 AM	8:15 AM	Overview of the MSR Campaign	Patricia Paviet/PNNL
<b>THERMOPHYSICAL AND THERMOCHEMICAL PROPERTIES OF SALT</b>			
8:15 AM	8:45 AM	Thermochemical and Thermophysical Property Database Development at ANL	Melissa Rose/ANL
8:45 AM	9:15 AM	Thermochemical and Thermophysical Property Database Development at ORNL	Dianne Ezell/ORNL
9:15 AM	9:45 AM	Thermochemical and Thermophysical Property Database Development at PNNL	Jason Lonergan/PNNL
9:45 AM	10:15 AM	Thermochemical and Thermophysical Property Database Development at INL	Toni Karlson/INL
10:15 AM	10:30 AM	BREAK	
10:30 AM	11:00 AM	Thermochemical and Thermophysical Property Database Development at LANL	Marisa Monreal/LANL
11:00 AM	11:30 AM	Ab Initio Molecular Dynamic	Manh Thuong Nguyen and Vanda Glezakou/PNNL
11:30 AM	12:00 PM	Overview Databases	Ted Besmann/UCS and Dianne Ezell/ORNL
<b>MATERIALS</b>			
12:00 PM	12:30 PM	Salt and Materials Interaction	Bruce Pint/ORNL
12:30 PM	1:00 PM	Development of surveillance test articles for materials Degradation management in MSR environment	Sam Sham/INL
1:00 PM	1:30 PM	Graphite and Salt Interaction	Nidia Gallego/ORNL
1:30 PM		Conclusion Remarks	Brian and Patricia

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TEAMS CALL

<b>WEDNESDAY, APRIL 27, 2022</b>			
8:00 AM	8:05 AM	Welcome Back	Brian and Patricia
<b>RADIONUCLIDE RELEASE</b>			
8:05 AM	8:30 AM	Overview of the technology development and demonstration	Joanna McFarlane/ORNL
8:30 AM	9:00 AM	Salt Loop and Capability for Testing Sensors and Off Gas Components	Kevin Robb/ORNL
9:00 AM	9:30 AM	Distributed Salt Chemistry Monitoring and Control	Nathaniel Hoyt/ANL
9:30 AM	10:00 AM	On-line Monitoring for MSR Off-Gas Treatment: Molecular approach	Amanda Lines and Sam Bryan/PNNL
10:00 AM	10:15 AM	BREAK	
10:15 AM	10:45 AM	On-line Monitoring for MSR Off-Gas Treatment: Elemental approaches/MOFs for Xe capture	Hunter Andrews/ORNL Praveen Thallapally/PNNL
10:45 AM	11:15 AM	Experiment and Modeling Liquid Salt Test Loop LSTL	Dane de Wet/ORNL
11:15 AM	11:45 AM	Tritium Transport	Thomas Fuerst/INL
11:45 AM	12:15 PM	Salt Spill Testing	Sara Thomas/ANL
<b>MODELING AND SIMULATION</b>			
12:15 PM	12:45 PM	Mechanistic source term development	David Luxat and Lucas Albright/SNL
12:45 PM	1:15 PM	MSR species tracking	Abdalla Jaoude/INL and David Luxat/SNL
1:15 PM	1:30 PM	Conclusion	
1:30 PM		Adjourn	