

# NRIC FY24 Developer Workshop

June 27, 2024

08:00 Mountain Standard Time

INL Meeting Center - Rooms A112 and A113; Microsoft Teams

## National Laboratory Resources in Support of Advanced Reactors

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### Morning Session

**08:00 Introduction**

**08:30 Startup Physics Assessment Presentation.....Sam Bays**

(Presents the startup physics testing from initial fuel loading through ascension to full power for historical advanced reactor programs. Investigated what was measured, why was it measured, how was it measured, and how well did measurements agree with predictions.)

**09:00 Startup Physics Assessment Open Discussion.....Sam Bays and Team**

(Open panel discussion with the startup physics team)

**09:30 Transport Process and Safety During Transport.....Mary Baeza**

(Highlights what users should consider for transportation (on-site and to NNS), to include shielded containers, SAR updates, and security.)

**10:00 Break**

**10:20 Agreements.....Stefanie Johnston**

(Presents the differences between CRADA/SPP contracts)

**10:50 Shipping Containers – Options and Qualifications Process.....Tim Arsenault**

(Discussion regarding containers for fresh fuel, containers for shipping reactors, and post operations shipping plans.)

**11:00 Lunch**



**Afternoon Session**

**Experimental Infrastructure Presentations (11:50 – 16:30)**

- 11:50 Sample Preparation Laboratory.....Brandon Miller**
- 12:10 Creep Frames.....Ryan Bouffieux**
- 12:40 Fuel Information for Experiments – Molten Salts.....David Holcomb**  
 (Presents the regulatory basis information required of fuel salt coolants for demonstrating the adequate safety performance)
- 13:10 Fuel Information for Experiments – TRISO.....Paul Demkowicz**  
 (Presents considerations that must be addressed when deviating from AGR design criteria)
- 13:40 Break**
- 14:00 Molten Salt Thermophysical Examination Capability.....Toni Karlsson**
- 14:30 Helium Component Testing Facility.....Terry Morton**
- 14:50 Hot Fuel Examination Facility.....Fabiola Cappia**
- 15:10 Irradiated Materials Characterization Laboratory.....Daniel Murray**
- 15:30 Advanced Test Reactor.....Dan Sluder**
- 15:45 Transient Reactor Test Facility.....Doug Crawford/Nic Woolstenhulme**
- 16:00 Mechanisms Engineering Test Loop.....Derek Kultgen**
- 16:20 Wrap Up**

