


Progress Toward a Reliable Domestic Supply of Molybdenum-99, Session W18

Alexander Adams, Jr.
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
March 14, 2018



Welcome to RIC Session W18

- For safety and security reasons, personal belongings such as tote bags, backpacks, etc. are not permitted to be placed around the perimeter of the session room.
- Be mindful of your exits. In the event of a hotel emergency (such as fire, evacuation, etc.), the hotel staff will advise how to proceed. In the event of a safety/security emergency, NRC Security or Montgomery County Police will advise how to proceed. In the event of a medical health emergency, call 911 or contact an NRC or hotel staff member to contact emergency services for you.
- Kindly silence your electronic devices while the session is in progress.
- If you need to leave the room during the session, please leave quietly. At the end of the session, please exit the session room promptly so that the room can be prepared for the next session.
- All sessions are being recorded. Recordings will be available on the RIC website after the conference.



Supporting Domestic 99Mo Production

- NRC considers applications for initial license and license amendment requests for facilities proposing to manufacture, irradiate, and process low enriched uranium and molybdenum targets
- Reviews support U.S. national security interests and nuclear nonproliferation policy objectives by contributing to the establishment of a domestically-available and reliable supply of molybdenum-99 (⁹⁹Mo) without the use of highly-enriched uranium
- NRC has conducted efficient reviews of applications submitted in accordance with the provisions of Title 10 of the *Code of Federal Regulations* (10 CFR)



RIC 2018



Today's Talks

U.S. NRC Activities Related to Domestic Molybdenum-99 Production
Steven Lynch, Project Manager, Division of Licensing Projects, NRR/NRC

NNSA's Mo-99 Program
Jeff Chamberlin, Director, Material Management and Minimization,
Office of Conversion, National Nuclear Security Administration

**Overview and Update of Northwest Medical Isotopes, LLC Radioisotope
Production Facility**
Carolyn Haass, Chief Executive Officer, Northwest Medical Isotopes

MURR's Support of a Reliable Domestic Supply of Mo-99
J. David Robertson, Associate Director, University of Missouri Research
Reactor

SHINE's Progress Toward Developing a Domestic Supply of Mo-99
Gregory Piefer, Chief Executive Officer, SHINE Medical Technologies, Inc.
