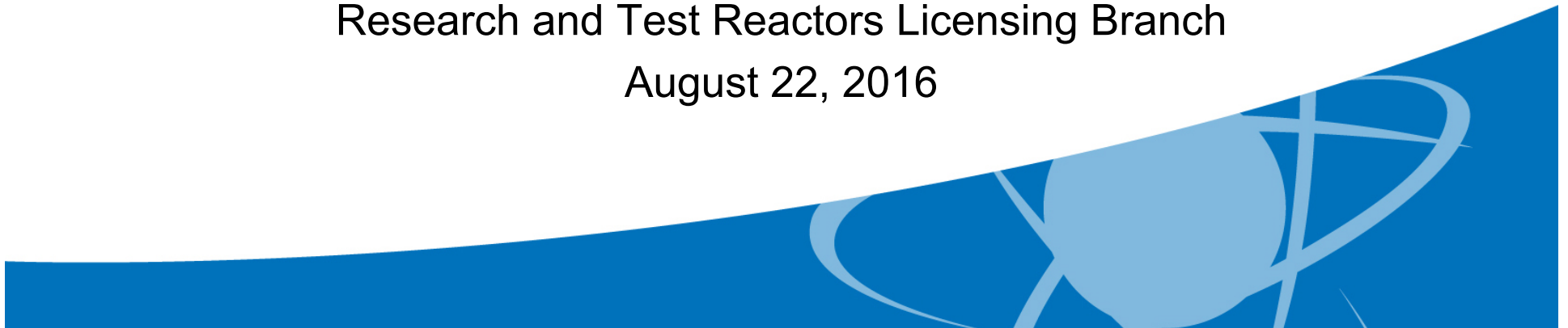


National Organization of Test, Research, and
Training Reactors

Research and Test Reactors Licensing Program

Alexander Adams, Jr., Chief
Research and Test Reactors Licensing Branch
August 22, 2016

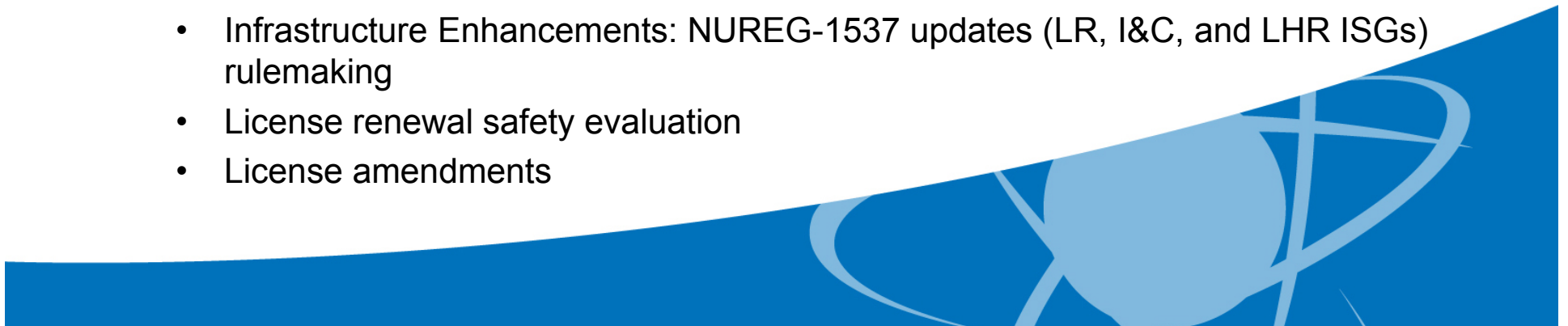


Today's Presentation will Cover...

- Licensing
- Status of license renewal reviews
- Challenges

Licensing

- Major Areas of Responsibility
 - Licensing project management
 - Licensing actions: amendments, renewals, and transfers
 - Medical isotope production licensing
 - HEU to LEU conversions
- Noted Accomplishments
 - Continued day-to-day support of safe RTR operations
 - License renewal work
 - Issuance of license amendments (FY 16)
 - Completed six license amendments
 - Completed one exemption
 - Issuance of Construction Permit to SHINE Medical Technologies, Inc. (2/29/2016)
 - Support IAEA
- On going focus
 - Infrastructure Enhancements: NUREG-1537 updates (LR, I&C, and LHR ISGs) rulemaking
 - License renewal safety evaluation
 - License amendments



License Renewal Review Status



- Application received
 - University of Massachusetts at Lowell – October 20, 2015
- Review completed
 - Texas A&M University (TRIGA) – license renewed October 1, 2015
 - University of California, Irvine – license renewed July 8, 2016
- Anticipate safety evaluation completion in 2016
 - Armed Forces Radiobiology Research Institute
 - Purdue University
 - United States Geological Survey
 - University of Missouri - Columbia
 - University of Maryland Training Reactor
 - Rhode Island Atomic Energy Commission
 - University of Florida
 - University of Texas - Austin

License Renewal Review Status

- Review Suspended
 - Texas A&M University (AGN) – reactor relocation
- Facility Operating License Renewal Expected
 - North Carolina State University (4/2017)
 - University of California – Davis (8/2018)
 - General Electric – (4/2021)*

* License renewal streamlining



License Renewal Review Challenges

- Timely and adequate responses to request for additional information
- Technical specifications
- Neutronics and thermal-hydraulic analysis
- Reactivity insertion analysis

Questions?

