

National Organization of Test, Research,
and Training Reactors



Research and Test Reactors Licensing Program 2017 TRTR Conference

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Chief

Research and Test Reactors Licensing
Branch



Research and Test Reactors Licensing Branch

- Major Areas of Responsibility
- Accomplishments
- Ongoing Focus
- Staffing changes and assignments
- Topics of Interest

Major Areas of Responsibility



- Licensing project management
- Licensing actions
 - License amendments
 - License renewals
 - License transfers
- Medical isotope production licensing
 - Construction permits
 - Operating licenses
 - Amendments
- Licensing infrastructure
 - NUREG-1537
 - Regulatory guides
 - ANS standards
- HEU to LEU conversions
 - PSAR review
 - Fuel qualification

Accomplishments



- Continued day-to-day support of safe operation for 31 facilities
- Issuance of license amendments (4 issued, 1 withdrawn)
- Aerotest license transfer
- License renewal work
- Support to IAEA (document development, advisory committee, code of conduct, workshops, HEU-LEU conversion)
- Support issuance of generic communications (neutron absorbing material)
- Support to operations center (reportable events)
- Prepare for SHINE medical isotope facility construction
- Review of Northwest application in progress (ACRS)

License Renewal



- Reviews completed
 - 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
- Reviews continuing
 - University of Texas – Austin
 - University of Massachusetts at Lowell

License Renewal



- Review received
 - North Carolina State University (power increase)
- Review re-started
 - Aerotest Operations
- Review suspended
 - Texas A&M University AGN – reactor relocation
- Renewals expected
 - University of California – Davis (8/2018)
 - General Electric (4/2021)

Licensing Ongoing Focus: Infrastructure Enhancement



Updates to NUREG-1537 are in progress

- Add insights from license renewals
- Complete review and update as needed
- Add license renewal interim staff guidance (ISG)
- Add medical isotope ISG
- Add chapter 7 (instrumentation and control) ISG

Rulemaking

- License renewal streamlining rulemaking - public comments and development of final rule

Licensing Staff



Al Adams – branch chief

Patrick Boyle – PM RTR/nuclear engineer

Duane Hardesty – Senior PM RTR/renewal rulemaking

Steve Lynch – PM/medical isotopes

Cindy Montgomery – PM RTR

Linh Tran – Senior PM RTR

Michael Balazik – PM RTR/medical isotopes

Spyros Traiforos – PM RTR

Geoff Wertz – PM RTR/medical isotopes

Xiaosong Yin – PM RTR

Eben Allen – leaving branch in November

Ed Helvenston – PM RTR

Licensing: Topics of Interest



- Minimum regulation
- Initial start-up and SRO staffing
- Licensed power level and scram settings
- Non-expiring license rulemaking status
- I&C licensing workshop

Research and Test Reactor Licensing



Questions