



Research and Test Reactors Licensing Program 2013 TRTR Conference

Alexander Adams, Jr.

Chief

Research and Test Reactors Licensing Branch

September 24, 2013

Research and Test Reactors Licensing Branch

- Major Areas of Responsibility
- Accomplishments
- Ongoing Focus
- Staffing changes and assignments
- Specific issues

Licensing: Major Areas of Responsibility

- Licensing project management
- Day-to-day interface with licensees
- Licensing actions
 - License amendments
 - License renewals
 - License transfers
- Medical isotope production licensing
- Licensing infrastructure
 - NUREG 1537
 - Regulatory guides
 - ANS standards
- HEU to LEU conversions

Licensing: Accomplishments

- Waste confidence decision determination of no impact
- Aerotest license renewal denial and order to end operations
- Issuance of license amendments
- Continuation of license renewal work
- ISG licensing radioisotope production facilities and aqueous homogenous reactors
- Support to IAEA
- Supported issuance of generic communications
- Support to operations center
- GERALD R. FORD Class Aircraft Carrier review
- Started review of SHINE medical isotope facility application

Licensing Ongoing Focus: Medical Isotope Facilities

Medical Isotope Production Facilities

- Various technologies proposed – 8 letters of intent
 - Heterogeneous reactor design
 - Aqueous Homogeneous Reactor (AHR) design
 - Accelerator based production

Interim Staff Guidance Development

- Supplemental licensing guidance for NUREG 1537 & 1520 -
Covers licensing of AHRs, production facilities, &
environmental issues

SHINE application received in 2 parts

- Environmental report – review under way
- SAR – acceptance review in progress

Licensing Ongoing Focus: Infrastructure Enhancement

Updates to NUREG-1537

- Add license renewal ISG
- Add medical isotope ISG
- Add chapter 7 instrumentation and control
- Refresh of NUREG-1537 is planned

Rulemaking

- License renewal streamlining rulemaking to start

Staffing Changes

Going

- Jessie Quichocho to another management position
- Paulette Torres to PROB
- William “Duke” Kennedy to IAEA

Coming

- Maggie Watford from Purdue for NSPDP
- Patrick Boyle from power reactor PM position
- Greg Schoenebeck from PROB
- Bill Schuster from NIST

Coming and Going

- Al Adams from Senior PM to Branch Chief

Soon to come – Some PM reassignments

Licensing Staff

Al Adams – branch chief
Patrick Boyle – renewals and licensing support
Duane Hardesty – PM and renewal rulemaking
Steve Lynch – medical isotopes
Jason Lising – renewals
Cindy Montgomery – renewals
Greg Schoenebeck – PM
William Schuster – PM and medical isotopes
Linh Tran – renewals and medical isotopes
Spyros Traiforos – PM
Marc Voth – medical isotopes
Maggie Watford – NSPDP
Geoff Wertz – PM and renewals
Xiaosong Yin - PM

Licensing: Specific Issues

- Quality of License Amendment Requests
Patrick Boyle
- Status of License Renewals
Cindy Montgomery
- Security, emergency and requalification plan reviews for streamlined renewals

Plan Reviews and License Renewal

- Streamlined ISG for renewal did not require NRC review of security, emergency and operator requalification plans for certain facilities.
- Based on seeing issues with plans that were reviewed, NRC staff will review plans for facilities in license renewal.
- Six renewed facilities have plans that were not reviewed, NRC staff would like to confirm plans are up-to-date.
- NRC will work with TRTR to find an acceptable path forward. Have individual licensees request review or issue generic communication to community.

Research and Test Reactor Licensing

Questions