

RELICENSING PROCESS IMPROVEMENT AND STREAMLINING FROM THE RTR PERSPECTIVE

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Jere Jenkins

Chairman-elect, TRTR

TRTR

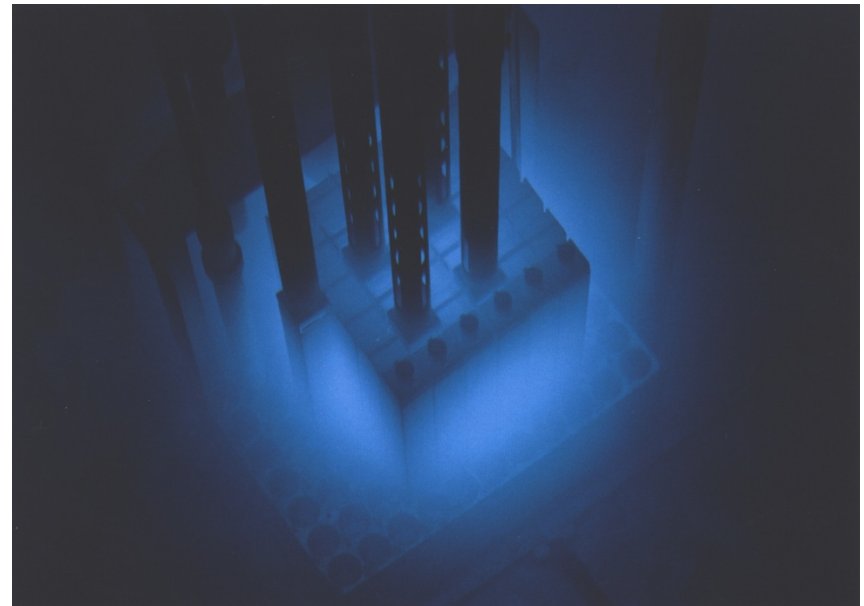
- National Organization of Test, Research and Training Reactors
 - Mission
 - Membership
- Commitment
 - Maintained safe and secure facilities
 - Education opportunities for public

Purdue University/Jere Jenkins

- Facility Director for Purdue University Reactor (PUR-1)
 - 1 kW Material Test Reactor (10 kW design)
 - Converted to LEU in 2007
 - Relicense application submitted in 2008
- Chairman of TRTR 2009-10

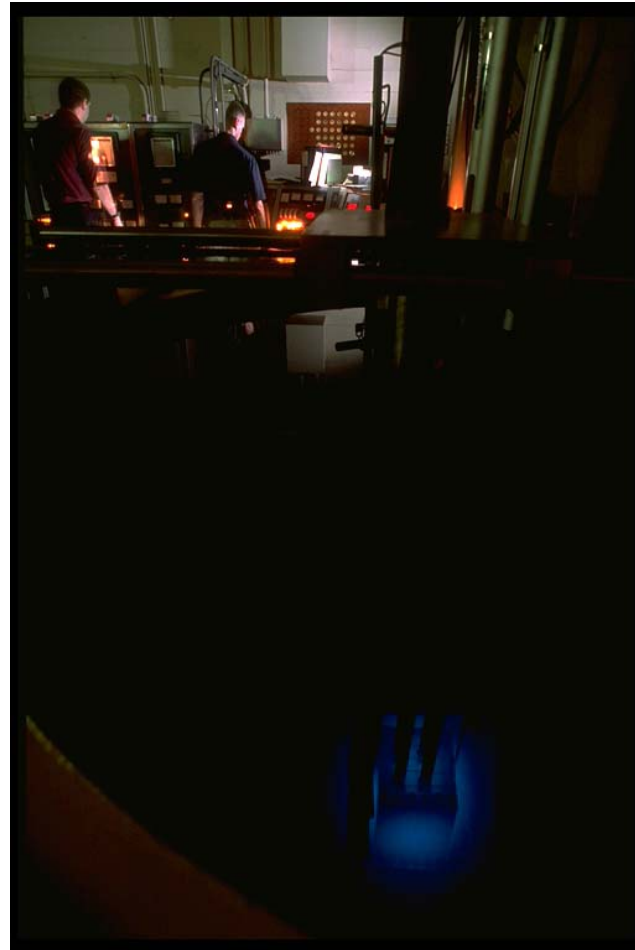
Research and Test Reactors/Non-Power Reactors

- Very low risk to public safety
- Vital to research, training and education missions



Research and Test Reactors/Non-Power Reactors

- Sizes and staffing
- Most exist on minimal support from home institutions, no support from DOE



Prior Licensing Activities

- 1st, 2nd and 3rd generation licenses
- Evolution of Safety Analysis Report (SAR) requirements
- NUREG 1537, ANSI 15.21
- “New license” requirement with each renewal

Recent Past and Present Licensing Challenges

- Budget and staffing capabilities of facilities and NRC stretched thin
- “Elevation” of previously acceptable SARs to new standards
- Process is slow, cumbersome
- Request for Additional Information (RAIs)

Present and Near Future Licensing Challenges

- Budget and staffing capabilities of facilities stretched even farther
- New NRC project managers, staff and management unfamiliar with facilities
- Involvement of other units within NRC

Assets

- Long history of safe and secure operation at all facilities
- 10 CFR 50.59 reviews
- Prior license documentation, i.e. Safety Evaluation Reports (SERs)
- Reactor Conversions experience
- Recently renewed licenses

Focus Areas

- Chapters 4 and 13 of the SAR
- Risk-informed judgment and decision-making processes
- Project manager familiarity with facilities
- Increase the familiarity among all branch staff with minimal risk presented by RTR/NPRs

Points to Consider

- Utilization of existing NRC know-how
- Distant future licensing concerns (15, 20 years)
- Change must bring improvement
- Continued stakeholder involvement