



NRC Non-Power Reactor Oversight Activities

Research and Test Reactors Oversight Branch
U.S. Nuclear Regulatory Commission

2012 TRTR Annual Meeting
September 25, 2012

Introduction and Agenda

- Oversight Activities – Greg Bowman
- Operator Medical Issues – Phil Young
- Security Updates – Greg Bowman
- Electronic Information Exchange – Duane Hardesty

10 CFR 50.59

- Rule modified in 1999 to make it more safety focused
- Objectives of the rule:
 - Establish criteria for evaluating proposed changes to a facility
 - Require NRC approval if necessary
- Requires written documentation of changes to be maintained

10 CFR 50.54(p)(2)

- Requirements associated with changes to security plans
- No approval required if the change doesn't reduce effectiveness
- Regulation includes record retention and reporting requirements

Recent Inspection Findings

- Recent inspection issues
 - Failure to perform 10 CFR 50.59 evaluation
 - 10 CFR 50.59 for security plan changes
 - Failure to maintain documentation
- Inspection focus area
 - Program implementation
 - Review of completed evaluations
- Resources and references

Occupational Radiation Safety

- Previous events and inspections
 - Unplanned extremity exposure
 - Radioactive material spill
 - Unplanned entries into high radiation areas
- No examples of recent inspection findings
- Continued focus area

Operator Licensing

- Exam performance has been strong overall
 - Total of 25 exams to 94 candidates
 - 89% pass rate on exams
- Preparation for exams
- Timely submittal of applications and exam requests



Licensed Operator Medical Issues

HIPAA

Subpart D, “Applications” of 10 CFR 55.33(a)(1), “Health”

10 CFR 55.31, “How to Apply,”
or
Subpart D of 10 CFR 55.57,
“Renewal of Licenses”

Subpart C of 10 CFR 55.23, “Certification”

10 CFR 55.23(b)

10 CFR 55.33, “Disposition of an Initial Application”

Subpart F, “Licenses,” of 10 CFR 55.57, “Renewal of Licenses”

Subpart C of 10 CFR 55.27, “Documentation”

Medical information must be sent to NRC
as required by
10 CFR 55.31(6) and 55.57(6) and (2)

Notify pursuant to 10 CFR 55.25,
“Incapacitation Because of Disability or
Illness,”
and
10 CFR 50.74(c) within 30 days of
learning of the diagnosis

Conditional license requested

Facility licensee must forward the requested restriction, medical evidence, and explanation on NRC Form 396, as described in 10 CFR 55.23

Facility must maintain that medical
evidence
pursuant to 10 CFR 55.27

Under Subpart F, “Licenses,” of
10 CFR 55.53 “Conditions of Licenses,”
including 10 CFR 55.53(g) and (k),
licensed operator or applicant must
notify the facility licensee

Licensed operator/applicant shall provide any medical records that the designated medical examiner deems necessary to complete the medical examination

NRC Form 396 requires signature of senior management representative onsite

By signing the Form 396, the facility certifies that the guidance identified was followed in determining the medical fitness of the operator

Subject to the requirements of
10 CFR 50.9, “Completeness and Accuracy
of Information”

Conclusion

- Attributes of a successful NRC Form 396 submission
- Information that should be included for NRC's physician's review of a requested condition or reported change



Personnel Access

Proposed Voluntary Initiative

- The Nuclear Energy Institute (NEI) maintains a database known as the Plant Access Data System (PADS)
- The Terrorist Screening Center maintains a comprehensive database of known or suspected terrorists.
- Use of PADS for non-power reactors

Pros

- Addresses a comment NRC received on the proposed rule for unescorted access to non-power reactors
- Licensees can save time and money by not having to conduct background checks for individuals that are already in PADS
- NEI is supportive of including other NRC licensees into system

Cons

- Secured system could make the installation and maintenance expensive
 - NRC has discussed some options with NEI
 - NEI interested in meeting with TRTR
- Usefulness of the system depends on the level of participation



Sensitive Unclassified Information

Clearing the Fog

- Mislabeled documents
 - SGI, not SGI-M
 - Three different markings on one document
 - Security plans marked as 2.390
- Cover letters missing required declaration
- Mishandling of information

SGI, SGI-M, or 2.390

- SGI (10 CFR 73.21 and 22)
 - Sensitive unclassified
 - Applies to power reactors, formula quantity of strategic special nuclear material
 - Locked in security storage cabinet
- SGI-M (10 CFR 73.21 and 23)
 - Sensitive unclassified
 - Applies to RTRs, panoramic, and underwater irradiators
 - Stored in locked file drawer of cabinet
- 10 CFR 2.390
 - Proprietary
 - General description of security

Summary

- Combined mission
- Importance of communication
- Principles of good regulation

Questions

