

**4th NRC – AERB Nuclear Safety Projects Meeting
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Nuclear Power Plant License Renewal



Johnny Eads, Project Manager
U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Email: JHE@nrc.gov Phone: 301-415-1471



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Overview of Presentation

- License renewal status
- Resource expenditures
- Program Improvements
- Guidance document update



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License Renewal Status

- **Renewed licenses issued**
26 units at 15 plants
- **Applications under review**
18 units at 9 plants
- **Future reviews**
Receive 6 applications/year
- **Expect all plants to request renewal**



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Resource Expenditures

- **Applicant costs**
 - Preparation and NRC review: \$10 - 15 million
 - NRC review costs: \$3 - 4 million
- **NRC staff resources**
 - Standard application: 20,000 hours
 - Staff and contractor
- **Application Schedules**
 - Applicant planning, reviews, and preparation: 2-3 years
 - NRC review: 22 months without hearing
30 months with hearing



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Program Improvements Audit Teams

- Efficiencies through standardization
- Multi-discipline onsite audit teams
- Assess 50-95% of aging management reviews
- Reviews based on Generic Aging Lessons Learned (GALL) Report and previously approved programs
- Review efficiencies
- Three pilot reviews



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Program Improvements Scoping and Screening Reviews

- Review process
 - Safety review, methodology audit, and inspections
- Assessment
 - Duplication & overlaps
- Recommended Improvements
 - Coordination of review, audits, and inspections
 - Update program documents



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License Renewal Guidance Documents

- NUREG-1800, *Standard Review Plan for License Renewal Applications for Nuclear Power Plants*
- NUREG-1801, *Generic Aging Lessons Learned (GALL) Report*
- Regulatory Guide 1.188, *Standard Format and Content for Applications to Renew Nuclear Power Plant Operating Licenses*
 - NEI 95-10, *Industry Guideline for Implementing the Requirements of 10 CFR Part 54 - The License Renewal Rule*



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Guidance Document Update

- **Scope**
 - Update GALL and Standard Review Plan
 - Component consolidations, reformatting, and incorporate approved staff positions (precedents and Interim Staff Guidance)
 - Industry proposed changes
 - Regulatory Guide
 - Endorse NEI 95-10 revision
- **Schedule**
 - Sep. 30, 2004: Working draft on web site
 - Jan. 30, 2005: Publish for public comment
 - Sep. 30, 2005: Publish final version
- **Database development**