

WHAT'S NEXT???

DRY FUEL STORAGE

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Future Vision of Spent Fuel Storage Regulations
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History

- Initially only Site Specific Licenses
- General Licenses first implemented in 1993
- Initially 72.48 authority only for Licensees
- Licenses would be implemented and only a very few minor changes to the license will be needed
- No detailed guidance on Technical Specification content and level of detail
- No process for corrections or editorial changes to a Certificate
- Not everyone will need dry storage
 - Single ISFSI sites at each unit sized to support the next few years of operation
 - Storage at ISFSI's will be for limited amount of time

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Today

- Initial Site Specific Licenses have been renewed (3 ISFSI)
 - Some Casks in storage for more than 20 years
- General Licenses (approx. 54), initial General license is in the renewal process, others will follow in the next 5 years. Some Casks in storage more than 20 years
- ISFSI's at shutdown sites, 4 additional will be added
- Approximately 1900 casks in use with more than 76,000 assemblies
- 72.48 authority for Cask Vendor and Licensee
- Technical Specifications that sometimes present challenges with implementation
- Modifications for Security Requirements
- Multiple ISFSI's at a single utility site or expansion projects of the existing ISFSI's, everyone will need dry storage
- Storage will continue for an extended period perhaps >100 years

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New Tools-In Progress

- NEI petition for rulemaking PRM-72-7
- New ISFSI License Renewal guidance with a focus on cask inspections and aging management
- Process to revise an issued Certificate
- Revised Waste Confidence
- Risk Informing Regulations
- Research and Inspections to support License Renewals and extended storage
SCCC and High Burnup Demo

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Still Need

- Administration of licenses with Multiple Amendments
- License Renewal/Aging Management Programs implementation and maintenance
- Storage and Transport of all Used Fuel
- Consider Cumulative Impact
 - Dose Rates
 - Thermal Predictions
- DOE Strategy/Blue Ribbon Commission
- Additional Inspections and Research to support License Renewals and extended storage

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What's Next

- Thousands of casks will be stored at Reactor Sites for a very long period of time, safely
- Multiple Cask License Amendments in place at each ISFSI
- Renewals including Aging Management Programs will be in place at each ISFSI, everyone will have an ISFSI, some sites more than one
- New research will be needed

Working together we can see the next generation of dry storage

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