

Vision / Proposed Actions for Regulatory Improvements – Looking to the Future

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Risk Informed Regulation

Use of risk information could reduce the regulatory burden while still ensuring safety. This is considered as Industry's number 1 impact ranking priority.

Despite the significantly lower risk of dry cask storage, requirements for dry cask storage are, in some instances, more stringent than equivalent requirements for reactors.

Use of risk information could reduce the regulatory burden while still ensuring safety.

Risk Informed Regulation

An non-risk informed used fuel storage regulatory framework (10 CFR Part 72) could divert management and staff attention from more important, safety-significant matters

Unnecessary burden imposed by current regulations is growing and likely to have a more significant impact in the future.

Path Forward: (Industry) Develop a risk-informed approach for Part 72 (e.g. policy statement and implementation principles).

Success Criteria: 10CFR Part 71 and



Regulatory Clarity and Stability

Industry Petition for Rulemaking (PRM)

- submitted October 2012

- Foundational first step toward establishing a more effective and efficient dry storage regulatory framework.
- Addition of a new rule for Dry Cask Certificate of Compliance (CoC) and Tech Spec (TS) format and content.

Regulatory Clarity and Stability - Standardization of CoC Structure & Content

It is recognized that rule-making is needed for this

Benefits to reorganizing the CoC to include additional sections

- as-fabricated verification to the design, and
- reliance on licensee programs and analyses.

Status/Path Forward: (Industry) Begin development of S-CoC guidance using the Part 50 ITS model as an example.

Success Criteria: A regulatory framework that results in more appropriate CoC content.

Regulatory Clarity and Stability

Industry Petition for Rulemaking (PRM) - submitted October 2012

The petition identifies several changes that should be implemented to establish an improved regulatory platform, including

- Backfit provisions
- Interim Staff Guidance documents

High Burnup Fuel Storage (HBF)

Industry believes that HBF should not be an issue for storage renewals due to the inert environment and the absence of significant loads.

NRC believes additional demonstration / information is necessary

Define the Canister as the Waste Form

- **Move toward canister-based retrievability**
- **Place more emphasis on the canister**
- **Re-define ready retrieval**
- **This issue is most relevant to high burnup fuel.**

72.48 Guidance

Improvements to the 72.48 guidance would lead to improvements in program implementation and inspection.

Revised guidance, NEI 12-04, submitted to NRC on September 10, 2012.

Path Forward: Obtain NRC recognition for industry guidance, NRC engage industry in NRC review.

Success Criteria: Improved and endorsed 72.48 guidance that leads to a more consistent approach to implement and inspect 72.48 programs.

ISFSI Pad Design

There is a lack of clarity for ISFSI pad design requirements.

A NUREG approved for use by industry is needed for high confidence that a designed / built pad will be acceptable for loading/storage of used fuel.

Path Forward: Regulatory Guide issuance to support industry needs.

Success Criteria: Licensees have clarity on the approach for performing pad analyses.

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