

Risk-Informed Steering Committee Meeting

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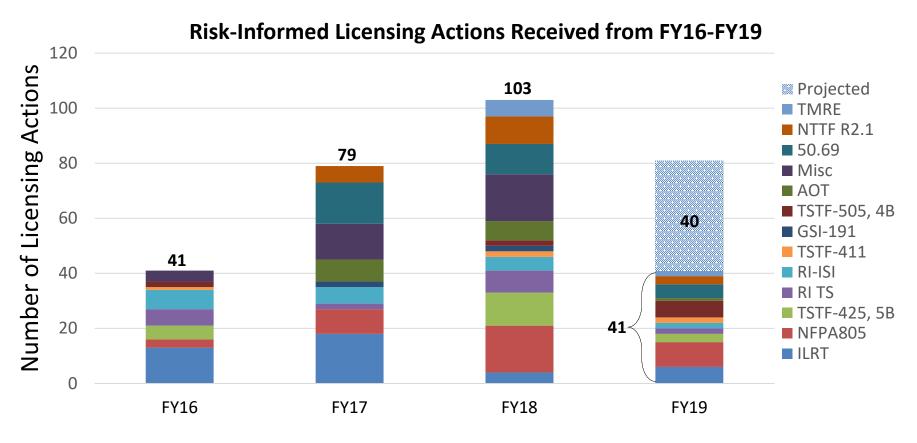




Risk-Informed Review Status Update



Delivering on a High Volume of Risk-Informed Licensing Requests



For FY19, 41 unit amendment requests received to date. An additional 40 unit amendment requests are expected, for a total of 81 unit amendment requests in FY19.

Status of Major Risk-Informed Initiatives

- 10 CFR 50.69
 - Five license amendments issued so far this FY
 - An additional six LAR approvals anticipated by September 30
 - Staff presented with significant challenges in review regarding deviations from uncertainty guidance and interfacing systems guidance
 - NRC staff led successful workshop on Key Assumptions/Uncertainty July 18, 2019
- TSTF-505 RI Completion Times and TSTF-425 Surveillance Frequency Control Program
 - Four TSTF-505 license amendments issued so far this FY
 - One TSTF-505 SE for near-term issuance
 - Other License Amendments recently completed successful combined audit at Exelon (Braidwood, Byron, and Limerick)
 - Received positive feedback from licensee regarding Staff conduct of audit
 - Six TSTF-425 license amendments issued so far this FY
 - Two TSTF-425 LAR approvals nearing issuance



Fire PRA Realism



Significant Progress Made on Addressing Fire PRA Realism Topics

Most EPRI/RES Reports are nearly complete

- Four NUREGs are in or post public comment period
- NUREG on transient fire PRA modeling under development with expected completion of technical work in 2019

All but one Fire PRA FAQ are closed

- Ten FAQs were resolved, withdrawn, or consolidated into research activities
- Staff is expected to provide their position on the remaining open Fire PRA FAQ in September

NRC On Track to Meet Two Year Target to Address FPRA Realism Topics

Hold public meetings to resolve FPRA FAQ and communicate status of activities

Complete draft revisions of RG 1.205 and RG 1.189

Support EPRI/RES fire realism activities

Monitor industry efforts on VEWFDS

(schedule controlled by industry)

FPRA Milestones

	5/1/0		%/S		10/2/2017	1/1/8	2/
NUREG 1921 Supp 2	Review Draft	Final Draft	Prepare Final Draft				
NUREG 2178 Vol. 2		60 day Public Comment		Incorporate prepar		Review Final	Prep for Publication
NUREG 2230		30 day Public Comment	Contractor Comments	Incorporate comments	Review Final	Prep for Publication	
NUREG 2232		Complete Final Draft	Prep for Publication			,	
Transient Fire Modeling Methods	Prepare Draft	Review Draft	Updated Draft for WG	WG Review	Complete Final Draft	Review Final	30 day Public Comment
FAQ 18-0014		NRC response to NEI comments		Public Mtg on FAQ	Expect to Comple Follow Up Actio		8



USNRC Activities to Improve Credit for FLEX Strategies





Credit for FLEX Challenges





What's happening now: Credit for FLEX



- NRC providing meaningful plant-specific credit for FLEX in regulatory decisions
- The NRC's SPAR models are being updated to include FLEX
- NRC will audit FLEX data report September 2019
 - Pending Acceptable Review NRC will use the generic data to support RIDM activities – SDP, NOEDs, MD 8.3 etc.

A new HRA strategy: Good, Better, Best

- ✓ Provide <u>realism</u> and better reflect the wide range of PWR and BWR FLEX implementation approaches
- ✓ More inclusive of disciplines and experience involved with FLEX (e.g., EOP/FSG procedure writers; training)
- Outcome may illustrate where optimization practices increase risk credit for different hazards



Credit for FLEX



Task 1

- Finalize IDHEAS General Methodology
- Audit Industry FLEX Data

Task 2

- Benchmark Group assess range of FLEX cases
- Incorporated Data into SPAR Models

Task 3

• Issue tool and guidance April 2020





Recent Progress and Next Steps to Resolve Issue on Newly-Developed Methods in PRA



Next Steps

- Public Meeting (8/21) to provide NRC feedback on any issues that have not adequately dispositioned in NEI-17-07, PWROG-18056 and NEI's alternative TS
- Receive revised industry products (Target: 8/30)
- Hold follow-up workshop (Target: Mid September)
- Brief NRR OD on Options and receive OD Decision (9/30)
- Complete modifying processes/procedures (01/31/2020)

Questions?