

Risk Informed Steering Committee NRC Activity Status

Activity	Current Status
50.69	<p>Issue: NRC has informed industry that resources are available for 10 reviews/year for completion within 12 months of submission, but the NRC staff is aware of 7 additional LARs the Industry plans to submit in the next 4 months which would bring the current total to 16. NRC currently has 10 in-house LARs and anticipates additional submittals in the near term. Processing non-accept w/ no opportunity to supplement an LAR delayed staff efforts by appx. 2 weeks. Inclusion of Class 1 piping is an expansion of scope from the Vogtle pilot application and will result in increased level of effort for reviews and longer schedules.</p> <p>Next Steps: NRC: Process for review has been established. 10 LARs have been submitted. 9 of the LARs have been accepted for review. 2 audits have been conducted, 2 audits are being scheduled. Call with NEI scheduled to discuss schedule and workload impacts.</p>
New Methods	<p>Issue: The NRC discussed three different options for accepting newly developed PRA methods following approval of licensing applications at a public meeting on Jan. 24th, and requested stakeholder feedback. The industry expressed interest in pursuing Option 3, a Conceptual Industry Proposal for Newly Developed Methods. Option 3 would require licensee to submit a report to the NRC covering the scope of the PRA Upgrade.</p> <p>Next Steps: Industry: Industry to respond to NRC comments and questions regarding specifics of Option 3. NRC: If it is decided to choose any Option other than continuing the Methods Vetting Panel process, then the NRC will re-convene the Risk-Informed Steering Committee Working Group 1 to more fully develop the proposed process. NRC: In the meantime, the NRC staff plans to retain a license condition that all new methods must be accepted by the NRC for applications presently under review (similar to the pilot Vogtle 4b license condition).</p>
Fire PRA Realism	<p>Issue: Industry has indicated that an improvement in fire PRA realism is necessary to support risk informed regulatory applications. The staff is supporting this effort, despite its ability to make risk informed decisions with the current level of realism as proven by the NFPA 805 program.</p> <p>Next Steps: NRC: Public fire PRA meeting held in mid-February, to follow up on mid-December fire PRA public meeting actions. Resolution was reached on 2 FAQs (FAQ 16-0011 – Bulk Cable Tray Ignition and FAQ 17-0013 – HEAF Non-Suppression Probability) and potential FAQs and a potential NEI Technical Report on VEWFDs credit refinement were discussed. NRC and Industry: Continue to work towards resolution of existing draft fire PRA FAQs and continue discussion on potential new FAQs discussed during the mid-February meeting. NRC: NRR has engaged RES to develop User Need or Research Assistance Requests for projects that improve Fire PRA realism to include potential joint MOU projects with EPRI.</p>

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<p>Realism in ROP</p>	<p>Issue: Some senior managers in industry expressed concerns about Realism in ROP. Subsequently, industry informed NRC that addressing their concerns relating to CCF is the highest priority and provided a whitepaper on CCF for staff review. Staff has begun the review of the whitepaper (Revised whitepaper transmitted to NRC on January 12, 2018). After staff's acceptance, the proposed document would enable NRC's SERP to consider potential conservatisms or non-conservatisms of the quantified CCFs in a risk-informed manner.</p> <p>Next Steps: NRC\DRA: Holds internal stake holder meeting to discuss comments on NEI whitepaper on CCF (March 2018). NRC\DRA: Holds public meeting to discuss NRC comments on the NEI whitepaper (April 2018). Industry: None at this time.</p>
<p>Flex in RIDM</p>	<p>Issue: Licensees have requested credit for FLEX strategies in a number of areas beyond their original purpose (BDBEE) (e.g. SDP, LARs, NOEDs). NRC staff and licensees are conducting a plethora of activities to enable licensees to appropriately credit FLEX. There are several challenges that NRC staff and industry consider as challenges that require NRC & Industry RISC engagement.</p> <p>Next Steps: NRC (NRR\DRA&RES\DRA): Expert Elicitation regarding HRA for FLEX equipment (May 2018). Make the draft report that NRR\RES is developing on HRA for using FLEX publicly available (December 2018). NRC\DIRS: NUMARC 93-01 issue- NEI will be providing input for setting technical evaluation criteria in next couple of weeks, NRC will set up a public meeting after the RIC to discuss NEI's submittal. After the mid-march public meeting, NRC will continue with the NUMARC 93-01 revision 4E endorsement into RG 1.160. Industry: Provides schedule for sharing FLEX operational experience with NRC staff. Industry: Provides schedule for delivering any industry guidance relating to HRA method development. Industry: Main Control Room Abandonment project publish by EPRI Fall 2018.</p>
<p>F&O Closure (Finding Closure)</p>	<p>Issue: The staff had previously planned to close this item, however, the staff has observed instances where industry guidance was not being followed by licensees. NRC plans to continue to conduct audits and observations of the F & O closure process to establish and maintain confidence that there is industrywide understanding of the process. Once this confidence is established, NRC will continue audits and observations at a reduced periodicity.</p> <p>Next Steps: Industry: Industry should provide a list of plants with upcoming independent assessments of F&O Closure team's schedule for NRC staff observation. NRC: Based on a list of upcoming Independent Assessments, the NRC will select an assessment for observation.</p>
<p>TMRE</p>	<p>Issue: Develop and demonstrate implementation of a risk informed tornado missile protection evaluation model for licensees with non-compliant legacy design SSCs. NEI 17-02 Revision 1 drafted for use by pilot plants</p> <p>Next Steps: NRC: Three pilot LARs have been submitted. Acceptance reviews completed and reviews are in progress. First post-pilot plant extension request (for EGM 15-002) has been completed. Industry: NEI 17-02 Revision 2 expected to be submitted for NRC staff endorsement review in summer 2018, following or near completion of staff review of pilot LARs.</p>

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ASME/ANS Code Case and NEI 12-13	<p>Issue: Industry has indicated their plans for peer reviews of seismic PRA and wanting NRC approval of the ASME/ANS Code Case (Seismic PRA Standard) and NEI 12-13 (Peer Review Guidance for External Hazards PRA). Staff has reviewed the documents, held public meetings and received stakeholder input. Staff has drafted letters approving (with comments) interim use of the Code Case and NEI 12-13, which should be approved imminently.</p> <p>Next Steps:</p> <p>NRC: Staff will review and endorse (as appropriate) (1) Part 5 of the new edition of the ASME/ANS PRA standard (which will replace the code case) and (2) NEI 17-07 (which will replace NEI 12-13) in the next revision to Regulatory Guide 1.200.</p>
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