Revision of Quality Assurance Standard Review Plans

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Consolidation of Quality Assurance Program Requirements

- ! SRP 17.1, "Quality Assurance During the Design and Construction Phases"

- ! SRP 17.2, "Quality Assurance During the Operations Phase"

- ! SRP 17.3, "Quality Assurance Program Description"

New SRP 17.1-3, "Quality Assurance Program Description"

- **Will include the latest NRC-approved guidance**

- **NQA-1/1994**

- **NMC and Exelon approved QATRs**

- **Review of safety evaluation reports approved through the 50.54(a) process**

Independent Review

! PORC and ISEG would be addressed in an updated SRP 13.4, "Operational Review"

SRP 17.1-3 would endorse, but not include details on:

❗ ANSI N45.2.1- "Cleaning of Fluid Systems Associated Components During the Construction Phase of NPPs" (RG 1.37)

❗ ANSI N45.2.2 - "Packaging, Shipping, Receiving, Storage, and Handling of Items for NPPs During Construction Phase" (RG 1.38)

❗ ANSI N45.2.3 - "Housekeeping During the Construction Phase of NPPs" (RG 1.39)

SRP 17.1-3 would endorse, but not include details on: (cont'd)

❗ ANSI N45.2.5, "Supplementary QA Requirements for Installation, Inspection, and Testing of Structural Steel During the Construction Phase of NPPs (RG 1.94)

❗ ANSI N45.2.8, "Supplementary QA Requirements for Installation, Inspection, and Testing of Mechanical Equipment and Systems" (RG 1.116)

Coverage of Commercial Grade Dedication

- NRC conditionally endorsed EPRI 5652, "Guideline for the Utilization of Commercial Grade Items in Nuclear Safety-Related Applications"

- Modified guidance from Generic Letters 89-02 and 91-05

- Acceptance Method 2, Commercial Grade Survey of Supplier

- Acceptance Method 4, Acceptable Supplier/Item Performance Record

Areas under review for deletion/addition to SRP 17.1-3

- **Qualification of NDE personnel (ASME Section III endorses SN-TC-1A and CP-189; ASME Section VI endorses CP-189)**

- **Requirements for computer software design, control, verification and validation (RG 1.168)**

Other SRPs under review for updating include:

- SRP 13.4, "Operational Review"

- SRP 13.5.1.2, "Administrative Procedures"

- SRP 13.5.2.2, "Maintenance and Other Procedures"

- SRP 14.2, "Initial Test Program/FSAR"

- SRP 14.3.10, Initial Test Program and DRAP

- New SRP for Maintenance Rule Program

10 CFR 50.34(h) -Conformance with Standard Review Plan (SRP)

- **!** **Application must include evaluation of facility against the SRP**

- **!** **Evaluation must identify, describe and justify alternatives to the SRP**

- **!** **NRC SER must identify, describe and justify alternatives to the SRP**

NRR Office Instruction LIC-200, "Standard Review Plan Process"

- **Responsible Office Prepares SRP**

- **Concurrences (other NRR offices, OGC, ACRS, CRGR)**

- **Obtain Public Comment**

- **Incorporate Public Comment**

- **Final Review and Concurrence**

- **Issue SRP**

Update of 17.4,
"Reliability Assurance Program"

- ! Include lessons learned from review of Design Certifications

- ! Conform with the new format specified in LIC 200

- ! Eliminate redundancy

- ! Clarify acceptance criteria

- ! Provide additional guidance for Regulatory Treatment of Non-Safety-Related Systems