

29<sup>th</sup> ISNATT Air Cleaning Conference

# CONTROL ROOM HABITABILITY SYSTEM (6.4) & CONTROL ROOM VENTILATION SYSTEMS (9.4.1) SRP UPDATES

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# What are Standard Review Plans (SRPs)?

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- NRC Tool to Evaluate the Safety of a Nuclear Power Plant Design
- An Interpretation of an Acceptable Level of Safety for Light-Water Reactors

# SRP Objectives

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- Provide Guidance on Methods or Approaches Acceptable for Meeting NRC Requirements
- Provide Understanding of NRC's Review Policy
- Provide A Basis for Orderly Modification of Review Process

# SRPs Are Not

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- A Substitute for NRC Regulations
- A Requirement

# 10 CFR 50.34(h) Requirements for License

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- Identify Difference between Application & SRP Acceptance Criteria (SRP in effect 6 months prior to application date)
- Evaluate How Alternatives to SRP Acceptance Criteria Provide Acceptable Method for Complying with NRC Regulations

# SRP Chronology

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- First Issued as NUREG-75/087 -1975
- Extensive Revision Program (NUREG-0800) - 1981
- SRP Update & Development Program -1991
  - ▶ Intended Update to NUREG-0800 for Reviewing Evolutionary Reactor Designs
- Draft Revision of NUREG-0800 Issued for Comment but Not Finalized - 1996

# Reasons for Updating the SRPs

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- Vintage of Current SRP Section
- Advancements in CRH Knowledge
- Prospect of New Reactors
- Commission Directive (SRM M031002)

# SRM M031002 Directive

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"[p]rovide the Commission the status, approach and plans for maintaining a current and effective set of guidance documents (Regulatory Guides, Standard Review Plans and Review Standards) for staff and applicant use.

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# SRM M050406 - 5/10/05

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**'In light of the impending retirement of key senior staff over the next few years, applicable sections of the Standard Review Plan (NUREG 0800), other guidance documents, and office procedures need to be revised in a timely manner, to ensure up-to-date guidance is available for the next generation of staff that will be responsible for reviewing and licensing new sites and new reactors.**

# SRM M050406 - 5/10/05

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**NRR should develop an integrated and continuing plan for updating licensing review guidance and provide the plan, along with a schedule for completion, to the Commission.**

# SRM M050406 - 5/10/05

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**The staff should prioritize the list of guidance documents that need revisions, and focus on updating the most critical items first.'**

# Knowledge to Be Integrated into Revised SRP

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- NRC's CRH Survey of 1985-1987
- Generic Letter 1999-02
- Rev. 3 to Regulatory Guide 1.52
- Revision 1 to Regulatory Guide 1.78
- Generic Letter 2003-01 & Associated Regulatory Guides (1.194, 1.196 & 1.197)

# Approach to SRPs 6.4 & 9.4.1

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-Combine into one SRP Section

# SRP Sections Combined to:

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- Reduce Overlap
- Increase Efficiency
- Centralize Information

# New SRP Title

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**Control Room Habitability**

# Obvious SRP Changes

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- Functional Review Responsibilities
- Deletion Murphy Campe paper
- Revised Radiological Source Term
- Acceptance Criteria
- Revisions to Regulatory Guides 1.52 & 1.78
- Methods for Determining CRE Integrity Characteristics
- Replacement of  $\Delta p$  Test



# Other Changes

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- Complete Coverage of GDC 19
- Terminology
- Comparable CRE Integrity Testing Requirements Regardless of CRE Type
- Incorporation of Regulatory Guides 1.194, 1.196 and 1.197.

# SRP Schedule

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To Be Issued for Use & Comment -2/15/07