



Plenary 7

NEI Fire Protection
Information Forum

Safety Evaluation Template

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Margaret Stambaugh

Risk Engineer

Division of Risk Assessment

Nuclear Regulatory Commission

Presentation Purposes

- Outline the activities to date and next steps in the SE Template development
- Communicate the SE development goals and how the SE Template fits into the general NFPA 805 infrastructure
- Provide an overview of the latest template contents

Status and Next Steps

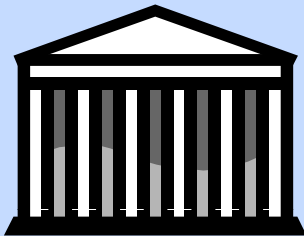
- Safety Evaluation Template developed in June, 2009.
 - Primary contract efforts performed by Pacific Northwest National Laboratory
- Next steps
 - Feed back lessons from the pilots into the SE template
 - Receive inspection insights from NRC Regions
 - Liaise with OGC
 - Form a review panel tasked with SE consistency

SE Template Goals

- Develop a Safety Evaluation (SE) Template that uses the lessons of the pilots to expedite future NFPA 805 licensing actions
- Ensure consistency between SEs
- Define the level of detail necessary to fully capture the basis of acceptability of a license amendment request
 - Important to the transition process and to post-transition inspections
- Anticipate the relationships between the SE Template and other NFPA 805 infrastructure documents

NFPA 805 Infrastructure

SE Template

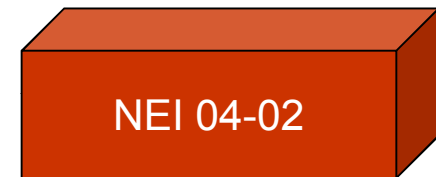
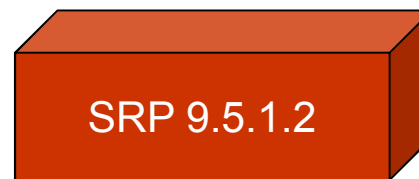


Structure



Contents

- SE Template structure aligns with the Standard Review Plan Section (SRP) 9.5.1.2 and NEI 04-02, Revision 2



- SE Template content comes from RG 1.205, Revision 1 (and consequently NEI 04-02, Revision 2)



Attributes of a High-Quality SE

- Includes a description of the fire protection program (FPP) elements upon which the safety review relies
- Describes the relevant regulation and the basis of acceptability for FPP elements
- Captures the conclusions drawn by technical reviewers
- References docketed material such that the technical basis for regulatory decisions is traceable
- Includes the nature, scope, and schedule of confirmatory items
- Discusses the new license conditions

SE Template High Level

- Structure:

1.0 Introduction

2.0 Regulatory Evaluation

← Confirmatory Items

3.0 Technical Evaluation

4.0 Regulatory Commitments

← License Conditions

5.0 Emergent/Exigent Provisions

6.0 Final No Significant Hazards Consideration

7.0 State Consultation

8.0 Environmental Consideration

9.0 Conclusion

10.0 References

Technical Evaluation Sections

- 3.1 ⇒ Programmatic Review of License Amendment Request
- 3.2 ⇒ Fundamental FPP Elements and Minimum Design Requirements
- 3.3 ⇒ Nuclear Safety Performance Criteria
- 3.4 ⇒ Radioactive Release Performance Criteria
- 3.5 ⇒ Risk Assessments and Plant Change Evaluations
- 3.6 ⇒ Monitoring Program
- 3.7 ⇒ Program Documentation, Configuration Control, and Quality Assurance

Template Highlights

SE Section	Content
3.1.6	Transition Implementation Schedule
3.2	B-1, B-2, & B-3 table contents
3.3.3	Non-Power Operations
3.5.1	Fire PRA Technical Adequacy
3.5.3	Plant Change Evaluations
3.5.4	Risk of Crediting Recovery Actions

Programmatic Challenges

- Level of detail
 - Referencing, program elements
- Relationship with the license conditions and with the FSAR
- Confirmatory and open items
- Implementation consistency across the fleet
- Documentation of previous approvals as the technical basis for NFPA 805 FPP attributes
- Alignment of the LAR submittal guidance

Summary

- NRC is using the new SE Template for the pilots.
 - The template details will be refined as the pilots are completed
- NRC is actively working to address several near term programmatic issues to further improve the template.

Questions?

Thank You