

NRC's Experience in Risk Informed Decision Making

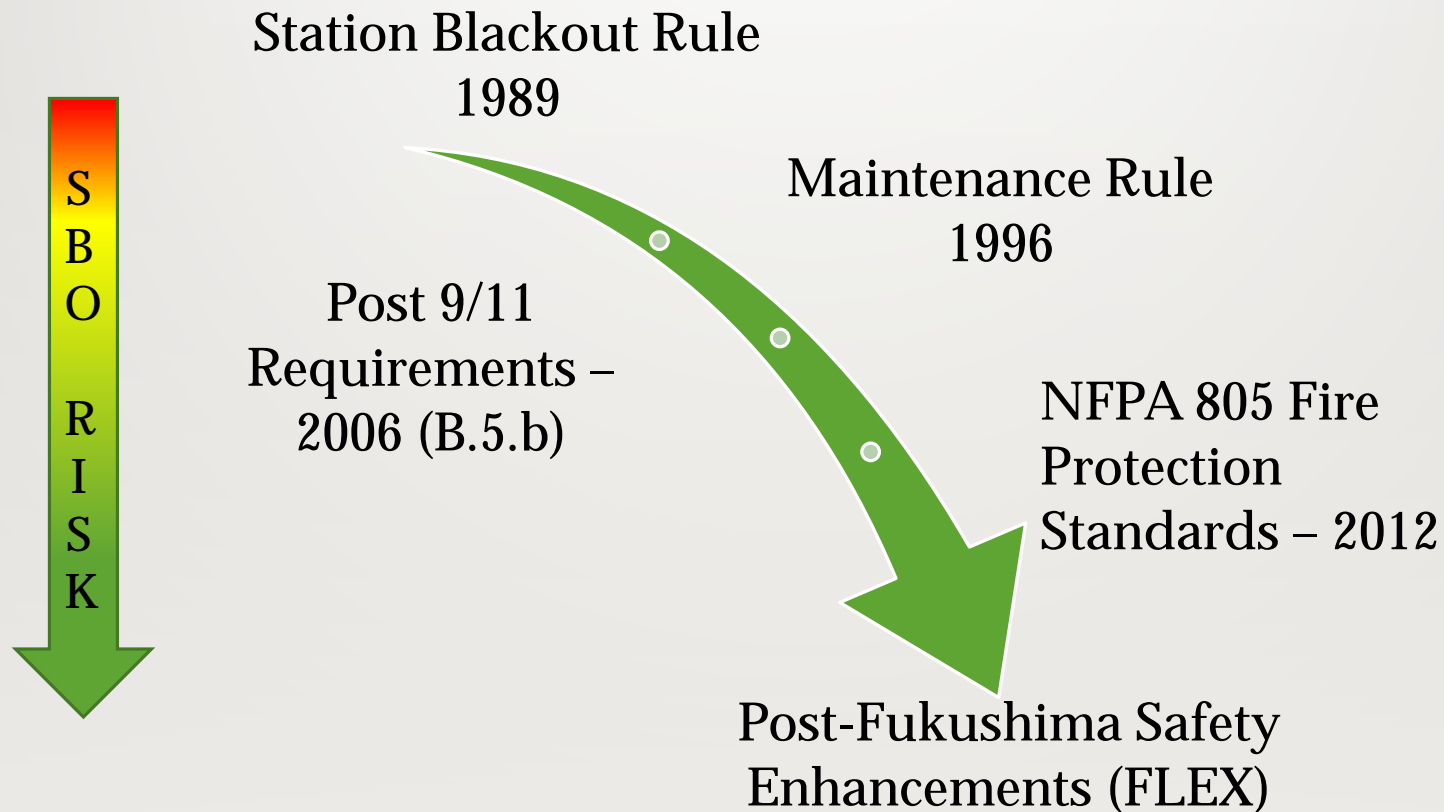
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Key Learnings from NRC's Experiences

- Ø 1995 PRA Policy Statement – Voluntary Initiative
- Ø Individual Plant Evaluations (IPE) and IPE for External Events (IPEEE) – Quasi-PRAs with Safety Insights
- Ø Multiple Base PRA Models Developed
- Ø Training Focused More on Practitioners
- Ø Successful Application in Variety of Targeted Areas

A Long Term Risk Informed Success Story: Improvements in Station Blackout Risk



Key Points Related to Integrating Risk into the ROP

- Ø Risk Informed/Performance Based Mandate
- Ø Internal and External Stakeholder Involvement
- Ø SPAR Models and PRA Models
- Ø Use of a Pilot Program
- Ø Significance Determination Process
- Ø Inspector Mindset and Need for Training

Recent Risk Informed Initiatives

Ø Risk Informed Technical Specifications

Ø Risk Informed Fire Protection

Ø 10 CFR 50.69 (Risk Informed Treatment of SSCs)

Ø PRA Quality Enhancements

Ø Incorporation of FLEX

What Would We Have Done Differently?

- Ø Standardization of PRA Models
- Ø Single Model for use by Industry and Regulator
- Ø Broader Training and Education
- Ø Institutionalize Risk Informed Decision Making Principles