

#### WARNING



#### RESTRICTED

UNDER 17 REQUIRES ACCOMPANING PARENT OR GUADIAN

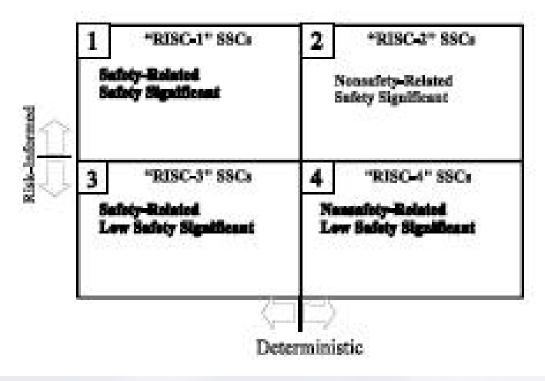
RISK EXCITING





• FOUR CORNER OFFENSE

Figure 1. 10 CFR 50.69 RISC Categories



#### NO MORE SOUND REASONS

# to the contrary

NEW ALPHABET SOUP

ISM **IDP Degree of Relief** CCF **RISC-3** CDF .net LERF EPR ITS Special Treatments IT

• WE'RE GOING IN THE FRONT THIS TIME



#### **Alphabets**

- RISC
  - Risk Informed Safety Class
- IDP
  - Integrated Decision-Making Panel

#### State-of-the-art PRA Methods

- It is believed
- Current state-of-the-art PRA methods
- Available to quantitatively address
- Full spectrum of potential events
- Full range of plant operating modes

#### **PRA Basis**

- Core Damage Frequency (CDF)
- Large Early Release Frequency (LERF)
- Off Site Release

#### IDP

- The §50.69 SSC categorization process
- Integrated decision-making process.
- This process blends
  - risk insights,
  - new technical information
  - operational feedback through
  - the involvement of a group of experienced licenseedesignated professionals.

# Potential External / Internal Hazards

- Categorization of SSCs
- Use risk evaluations and insights
- All Hazards
  - Screening of Possible Hazards
  - Screening of Consequence
  - Screening of Hazard Frequency

#### **Failure Rate Basis**

- Normal Conditions
- Off Normal Conditions
- DBA Conditions
- Seismic Conditions

#### **Degree of Relief**

- It should be recognized that the degree of relief (i.e., SSCs subject to relaxation of special treatment requirements)
- NRC will accept under § 50.69 will be commensurate with the assurance provided by the evaluation.

#### Safety

- SCWE
- SCEW



#### **Lessons** Learned

- You have to Prove it
- You have to Move it
- Tin Whiskers
- WI-FI, EMI, Voltage Surges
- Make Class H Use as if Class B
- Condition Monitoring