



# Industry Recommendations on Spent Fuel Pool Risk Study

NRC Public Meeting

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*B/BSA*

**NEI**

# Introduction

- PRA approach to non-catastrophic events is generally sound
- Best estimates needed:
  - Mechanistic evaluation of event evolution
  - Ru Release
  - Seismic hazards
  - Cask Drop

*partial train down*

*use new safety goal including large earthquake as part of profile*

*use flood drop analysis  
=> zero risk*



# Introduction (cont.)

- Need to address policy implications of protections driven predominantly by beyond design basis seismic events
  - NUREG 1150:
    - ◆ Safety goals based on ratio of nuclear risks to non-nuclear risks (e.g., early fatality should not exceed 1/1000 of background accident death rate)
    - ◆ Ratio of reactor accident contribution for a large seismic event is likely very small





# Recommendations

- Complete report prior to applying results
- Conduct formal peer review
- Apply complete study to a test case regulation, e.g., maintenance rule.

