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Consequence Study of a Beyond-Design-Basis Earthquake Affecting the Spent Fuel Pool for a U.S. Mark I Boiling Water Reactor

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Comment On: NRC-2013-0136-0002

Draft Reports; Availability: Consequence Study of a Beyond-Design-Basis Earthquake Affecting the Spent Fuel Pool for a U.S. Mark I Boiling Water Reactor

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78 FR 39781

Submitter Information

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General Comment

The exclusion of a refueling gate seal failure is unwarranted. There is no argumentation for this exclusion in the study (beyond baldly stating such an event is "unlikely") and no study or experiment to support this exclusion is cited.

Hydrogen production from steam radiolysis (specifically, steam radiolysis taking place in bubbles on the surface of fuel elements in a pool that has lost circulation cooling) is not considered, which leads to overly optimistic predictions wrt probability and timing of hydrogen combustion events.

SUNSI Review Complete

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