

State-of-the-Art Reactor Consequence Analyses Potential Policy Issue Papers

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Topic	Issue	Resolution	Comments/ References	Staff	Status
1. Sequence Selection Threshold {Release Frequency (CDF) $\geq 10^{-6}$ }	Questions (e.g., by ACRS) regarding the sequence selection threshold. (i) Appropriateness of a threshold (ii) Appropriateness of CDF $\geq 10^{-6}$	White Paper on a consistent approach for addressing the questions.	(1) ACRS meeting records (2) Ref: RG 1.174	C. Tinkler R. Sherry	(08/31/07)
2. Multi-unit core damage events (<i>Dual Unit Meltdown</i>)	Identified internal (LOOP) and external (seismic) events that could lead to multi unit core damage	Submit issue into the Generic Safety Issues Program for follow up and resolution.	Implications to PRA? (1) PB internal event (2) Surry external event	R. Sherry	(07/31/07)
3. Land Contamination & Economic Consequences	Provide for Commission consideration, options to which land contamination and offsite economic consequences should be considered (SECY).	Commission memo to not address issue within the SOARCA project		C. Tinkler R. Prato	Closed - ML070750217
4. Emergency Planning Zone (EPZ) versus SOARCA Assessment Area	SOARCA assessment will extend beyond the 10-mile EPZ. Could raise questions on adequacy of EPZ.		Ref: NUREG-0654 /FEMA-REP-1, Rev.1	R. Sullivan	
5. Dose Response Model	Using a range of thresholds (0-5Rem) will present communication issues.	Commission Paper on options for Dose Response Model to use in SOARCA		R. Sullivan	(08/31/07)

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Topic	Issue	Resolution	Comments/ References	Staff	Status
6. Direct Containment Heating		White Paper		SNL	Draft
7. Alpha Mode Failure		White Paper	Draft	SNL	Draft
8. Emergency Planning - Evacuation	Impact of a seismic event during evacuation.				
9. Seismic qualification of mitigation systems	Impact of seismic event on Mitigation Systems				