

DCISC Post-Shutdown Summary - D R A F T - For Discussion Purposes

Plant Status → Areas for DCISC Review ↓		Phases Following Cessation of Operations			
		Phase A	Phase B	Phase C	Phase D
		Reactors Shutdown with Fuel Remaining in Reactors.	Fuel Removed from Both Reactors.		
		Spent Fuel Pools Operational.	Spent Fuel Pools Operational.	Spent Fuel Pools Empty	Decommissioning Complete.
		Decommissioning beginning	Decommissioning in Progress	Decommissioning in Progress.	ISFSI Operational and/or spent fuel being shipped from site
		ISFSI Operational	ISFSI Operational	ISFSI Operational	
1	Health of Safety Systems	All Systems*	SFP-Related Systems	No	No
2	Health of Electrical and Other Supporting Systems	All Systems*	SFP-Related Systems	No	No
3	Operator Staffing, Training, and Licensing	Yes	Yes	No	No
4	Regulatory Compliance	Yes	Yes	TBD**	No
5	Offsite Emergency Preparedness	Yes	Yes	TBD**	No
6	Quality Verification and Related Activities	Yes	SFP-Related Systems	No	No
7	Engineering & Other Programs	Yes	SFP-Related Systems	No	No
8	Human Performance	Yes	Yes	No	No
9	Performance Improvement and Corrective Action Programs	Yes	Yes	TBD**	No
10	Fire Protection	Yes	SFP-Related Systems	No	No

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11	Beyond Design Basis & FLEX	Yes	SFP-Related Systems	No	No
12	ISFSI Operations	Yes	Yes	TBD**	No
13	ISFSI Storage Cask Aging Management	Yes	Yes	TBD**	No
14	Management of Risk from External Hazards	Yes	SFP-Related Systems	TBD**	No
15	Decommissioning Planning and Execution	Yes	SFP-Related Systems	No	No
16	Nuclear Safety Culture and Employee Concerns Programs	Yes	Yes	TBD**	No
17	Radiological Protection and Health Physics, including Worker Radiation Safety and Annual Reports	Yes	Yes	TBD**	No
18	Interface Between Security and Safety	Yes	Yes	TBD**	No
19	Plans and Execution of Spent Fuel Shipments Departing DCPD for Long-Term Storage or Disposal	No	No	No	No

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	RISK	Significant risk of radiological release but less than during power operation.	Risk from a potential accident from spent fuel pool, begins as important, diminishes to lower risk in a few years, and becomes much less important toward the end of Phase B. Risk from fuel transfer and decommissioning activities is low.	Residual risk of an accident that could release important radioactivity to the plant site and the environment will be quite small. Radiological risk from the decommissioning activities will be low due to radioactive decay and will diminish later in the decommissioning process as the number of radioactively contaminated components becomes fewer and fewer.	Risk from a radiological release from the ISFSI will remain quite small.
	ESTIMATED TIME/DURATION	TBD but probably a period of months	10 YEARS AFTER SHUT DOWN	TBD	TBD

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	PROPOSED RECOMMENDATION CONCERNING DCISC REVIEW	No change	DCISC review should continue but with reduced scope and should probably terminate when all fuel is at the ISFSI, but defer final recommendation until middle of Phase B	TBD	Unnecessary

* Systems important to safety or affecting safety systems

** TBD – The need for future DCISC review to be considered during Phase B