

# Roadmap for Immediate Actions (Issues / Targets / Major Countermeasures)

Reference 1

		Current Status	STEP1	STEP2	Mid-term Issues
I. Cooling	(1) Reactors	Injecting fresh water	Nitrogen gas injection (Unit1+3) Flooding up to top of active fuel Examination and implementation of heat exchange function (Unit 2) Sealing the damaged location	Stable cooling Flooding up to top of active fuel Cold shutdown condition	Prevention of breakage of structural materials , etc.
	(2) Spent Fuel Pools	Injecting fresh water	Enhance reliability of water injection Restore coolant circulation system (Unit 4) Install supporting structure	Stable cooling Remote control of water injection Examination and implementation of heat exchange function More stable cooling	Removal of fuels
II. Mitigation	(3) Accumulated Water	Transferring water with high radiation level Storing water with low radiation level	Installation of storage / processing facilities Installation of storage facilities / decontamination processing Secure storage place	Expansion of storage / processing facilities Decontamination / Desalt processing (reuse), etc Decrease contaminated water	Installation of full-fledged water treatment facilities
	(4) Atmosphere / Soil		Dispersion of inhibitor Removal of debris	Installing reactor building cover	Installation of reactor building cover (container with concrete) Solidification of contaminated soil, etc
III. Monitoring/ Decontamination	(5) Measurement, Reduction and Announcement	Monitoring of radiation dose in and out of the power station	Expand/enhance monitoring and inform of results fast and accurately	Sufficiently reduce radiation dose in evacuation order / planned evacuation / emergency evacuation preparation areas	Continue monitoring and informing environmental safety