
“NPP Safety Analysis Report & regulatory review” draft program

Monday	Registration
	Organizational Aspects, Training Objectives, Training Program
	EU Infrastructures for Nuclear & Radiation Safety and Stress Test
	NRA role, functions and approach to define requirements for deterministic and probabilistic safety
	IAEA design safety requirements for NPP
	Lunch
	NPP current technologies
	NPP safety functions and safety systems
	Objectives, structure and contents of SAR
Different SAR for different steps of the NPP licensing process	
Tuesday	NPP control system and protection system
	NPP Safety Principles of Defence in Depth
	Requirements for safety systems (Redundancy, Independence, Separation, Diversification)
	Lunch
	Safety and seismic classifications of SSC
	Protection from internal events (fire, flood, jet impingement)
	Protection from external events (natural and non natural)
Wednesday	Objective and structure of SAR
	Steps in the NPP licensing process
	Regulatory interface with Applicant/Licensee during SAR evaluation
	Lunch
	Regulatory approach in SAR review and license conditions
	Use of PSA during SAR regulatory review
	Environmental and Seismic Qualification
Thursday	Historical evolution of accident considerations in the NPP design
	Design Basis Accident (DBA) analysis and radiological consequences
	Design extended condition (DEC) and radiological consequences
	Consideration of Severe Accidents (SA) in the design
	Lunch
	Practical Application on “SAR Review”
Friday	Key aspects of NRA review of SAR and use of PSA
	Regulatory inspections during NPP licensing and operation
	Example of outcomes of regulatory review of SAR for construction of NPP
	Lunch
	Use of Technical Support Organisations (TSOs)
	Role of NRA in Public information and communication
	Course Summary & Questionnaire