

INSC Project MC.03/10 – LOT 1
Training Course
“ NPP siting regulatory requirements and licensing”
July 16 - 20, 2012

Course Venue
VILLA EUR - Parco dei Pini
P.le M. Champagnat, 2 - 00144 Roma - Italy
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Day 09.00 – 17.30	Topics
Monday 16	<p>Welcome, Organizational aspects, Training objective, Training program</p> <ul style="list-style-type: none"> • NRA role and functions • EU infrastructure for Nuclear Safety • Site analysis objectives & requirements • EU MS approaches for NPP site licensing
Lunch 12.45-13.45	
	<ul style="list-style-type: none"> • NPP safety objectives • Site radiological investigation and radiological impact from the NPP • Environmental Impact Assessment for non radiological aspects and socioeconomics”
Tuesday 17	<ul style="list-style-type: none"> • Radiation effects dose evaluation and representative individual • Emergency planning considerations during site analysis • Security considerations during site analysis
Lunch 12.45-13.45	
	<ul style="list-style-type: none"> • Introduction to NPP site events (natural and non) • Aircraft crash • External explosions
Wednesady 18	<ul style="list-style-type: none"> • Exclusionary and screening criteria related to earthquake and volcano hazards • Deterministic and probabilistic seismic hazard analysis • Tsunami hazard analysis and definition of site design basis tsunami
Lunch 12.45-13.45	
	Afternoon Practical application on the subject of the “seismic hazard”
Thursday 19	<ul style="list-style-type: none"> • Meteorological phenomena (wind, T, humidity, snow, seawater level,..floods, sand and dust storm, tornadoes, lightning, hail,) • Flooding hazard analysis and definition of site DB flood • Summary of site events impact on the NPP design (natural and non-natural events, extreme conditions) • Content of documentation to be submitted for site approval
Lunch 12.45-13.45	
	<ul style="list-style-type: none"> • Regulatory licensing related review (including regulatory site survey aspects) <p>Afternoon Practical application on “regulatory review ” of Site Safety Analysis Report .</p>
Friday 20	<ul style="list-style-type: none"> • Environment Impact Assessment (EIA) for radiological aspects and regulatory review • Lessons learned from Fukushima events (and EU stress tests) • Content of a regulatory safety guide on siting requirements
Lunch 12.45-13.45	
	<ul style="list-style-type: none"> • Regulators’ role in public information • Course questionnaire <p>Course summary, Opinion from trainees, Training Minutes</p>