



INSC Project MC.03/10 - EC Contract N°2011/261-5 85
LOT 1

Training Course
Course on “Safety evaluation for RW Management and Decommissioning”
Rome - September 17-28, 2012

DRAFT rev. 10.09.12

Monday 17 9.00 – 17.30	Tuesday 18	Wednesday 19	Thursday 20	Friday 21
<ul style="list-style-type: none"> - Welcome - Organizational aspects - Training objective - Training program <ul style="list-style-type: none"> • Regulator’s role and functions • EU Infrastr. for Nuclear & Radiation Safety (Euratom, EU Directives, ENSREG, WENRA) • Infrastructure for RW management: legal framework, NRA, RW policy, strategy and WMO 	<ul style="list-style-type: none"> • Requirements for RWM (national, and international legal instruments) • Licensing process and safety assessment for RW facilities • Environmental Impact Assessment • RW s characterization • RW packages qualification 	<ul style="list-style-type: none"> • RW storage facilities safety requirements • Content of SAR for RW storage facilities and licensing process • Regulatory safety evaluation and review - regulatory inspections 	<ul style="list-style-type: none"> • Site selection for RW surface disposal • RW surface disposal facility safety requirements and waste acceptance criteria • RW geological disposal facility 	<ul style="list-style-type: none"> • Content of safety assessment for RW surface disposal facilities • Licensing process, regulatory review and inspection activity for surface disposal facility • Developing regulatory guidelines for RW management activity (classification, conditioning, storage, disposal)
<p>Lunch 12.45 – 14.00</p>	<p>Lunch</p>	<p>Lunch</p>	<p>Lunch</p>	<p>Lunch</p>
<ul style="list-style-type: none"> • Overview of origin and types of RW • RW classification (IAEA and VLLW) • Overview of RW management facilities (treatment, conditioning, storage, disposal, etc.) 	<ul style="list-style-type: none"> • Practical application on <p style="text-align: center;">RW Classification, treatment and conditioning</p>	<ul style="list-style-type: none"> • Management of radioactive sources and orphan sources (90’) • Regulatory framework for management of radioactive sources (EU Directive, IAEA Code of conduct) (60’) • International and Italian experience in management of RS (from operator and regulator side) (60’) 	<ul style="list-style-type: none"> • Practical application on <p style="text-align: center;">Review SAR for Storage Facility</p>	<p>Summary of 1st week</p> <p>Opinion from trainees</p> <p>1st Questionnaire</p>

Monday 24	Tuesday 25	Wednesday 26	Thursday 27	Friday 28
<ul style="list-style-type: none"> Decommissioning of nuclear facilities policy and strategy Decommissioning fund and cost estimation Decommissioning of different type of nuclear facilities <p>EU & other International requirements for decommissioning activity</p>	<ul style="list-style-type: none"> Radiological and engineering survey of nuclear facilities before & during decommissioning Regulatory requirements for safety functions (and systems) during decommissioning process Italian practice/experience for decommissioning of NPP 	<ul style="list-style-type: none"> Decontamination and Dismantling activities Management of decommissioning waste 	<ul style="list-style-type: none"> Health and Safety Hazards during decommissioning : safety analysis Content of SAR for decommissioning activities Regulatory safety evaluation and review - regulatory inspections 	<ul style="list-style-type: none"> Clearance Levels for decommissioning materials Site release criteria Developing regulatory guidelines for decommissioning Developing regulatory guidance for clearance of materials and sites
Lunch	Lunch	Lunch	Lunch	Lunch
<ul style="list-style-type: none"> Objective and content of decommissioning plans (initial, updating and final) Quality management system during decommissioning Environmental Impact Assessment for decommissioning 	<p>• Practical application on</p> <p>Analysis of the DP</p>	<ul style="list-style-type: none"> Transition from operation to decommissioning for a NPP Licensing approach for decommissioning process - Concept of decommissioning phases and related authorization 	<ul style="list-style-type: none"> Practical application on <p>Safety requirements during decommissioning</p>	<ul style="list-style-type: none"> - Summary of the 2nd week - Opinion from trainees - 2nd Questionnaire - Training Minutes