



INSC Project MC3.01/13

EC Contract N° NSI/2014/343-969

“Training and Tutoring for experts of the NRAs and their TSOs for developing or strengthening their regulatory and technical capabilities”

Training Course

Requirements & Safety evaluation for RW Management

organized by ITER-Consult

Rome - June 25 – 29, 2018

Hotel Caravel

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Course Objective

The training course intends to provide a comprehensive presentation and discussion of the safety approach (basis, requirements, EU and international references) for radioactive waste management (RWM) giving evidence of the need to develop in each country a policy (and strategy) for RWM.

It includes the relevant regulatory requirements and safety review aspects for activities and facilities related to RWM: classification, treatment, conditioning, storage and disposal. Particular attention will be given to RW storage facilities and disposal facilities for low, intermediate and high level waste and requirements for waste acceptance.

The content of safety analysis and safety justification to be submitted for licensing approval, the approach for regulatory review, including dialog with the licensee, are presented and discussed with relevant examples from regulatory experience in EU. The key aspects

Reference standards and guidelines for regulatory review are presented. Practical applications are included in the training program. Conclusive summaries, questionnaires and discussions with trainees are provided to check the achieved results.



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resources & energy



Course Daily Program

Wednesday June 27th 2018

9.00 – 13.00	<i>I. Lazar (HAEA)</i> - Content of SAR for RW storage facilities
	<i>S. Trivelloni (ISPRA)</i> – Transport of Radioactive Waste
	<i>I. Lazar (HAEA)</i> - Regulatory review for licensing of a RW storage facility and regulatory inspections
13.00 – 14.00	Lunch
14.00 – 17.00	Practical application on the subject of the “RW Classification, treatment, conditioning and characterization”

Thursday June 28th 2018

9.00 – 13.00	<i>G. Pino (ITER)</i> – Surface disposal facility for RW: functions, requirements and safety assessment
	<i>G. Pino (ITER), E. Vittori (ISPRA)</i> - Site selection for RW surface disposal facility
	<i>E. Vittori (ISPRA)</i> – Geological disposal facilities for RW
13.00 – 14.00	Lunch
14.00 – 17.00	Practical application on “Review SAR for HLW Storage Facility”

Monday June 25th 2018

08.30 - 09.00	Registration
9.00 – 13.00	Welcome, Organizational aspects, Training objective, Training program
	<i>A. Madonna (ITER)</i> - EU Infrastructure for Nuclear & Radiation Safety
	<i>A. Madonna (ITER)</i> - Functions of the Nuclear Regulatory Authority
	<i>I. Tripputi – A. Madonna (ITER)</i> - National infrastructure and policy for RW Management
13.00 – 14.00	Lunch
14.00 – 17.00	<i>M. Dionisi (ISPRA)</i> - Overview of origin and types of Radioactive Wastes (RW) and their characterization
	<i>M. Gervasi, M. Dionisi (ISPRA)</i> - Overview of RW management facilities
	<i>S. Rizzo (Nucleco)</i> - Management of radioactive sources (RS), legal requirements and experience - Part 1
	<i>S. Rizzo (Nucleco)</i> - Management of radioactive sources (RS), legal requirements and experience - Part 2

Tuesday June 26th 2018

9.00 – 13.00	<i>M. Dionisi (ISPRA)</i> - Safety requirements for RW management: national and international legal instruments
	<i>M. Dionisi (ISPRA)</i> - Classification of Radioactive Waste and reference requirements
	<i>N. Cipriani, M. Dionisi (ISPRA)</i> - Environmental Impact Assessment of RWM Facilities
13.00 – 14.00	Lunch
14.00 – 17.00	<i>A. Madonna (ITER)</i> - Licensing process and safety assessment for RWM facilities
	<i>I. Lazar (HAEA)</i> - RW storage facilities safety requirements
	<i>R. Remetti (ITER)</i> – Qualification of RW packages and Waste Acceptance Criteria (WAC)

Friday June 29th 2018

9.00 – 13.00	<i>N. Zeleznik (ITER)</i> – Safety requirements, Content of safety assessment for RW surface disposal facilities and waste acceptance criteria
	<i>N. Zeleznik (ITER)</i> - Licensing process, regulatory review and inspection activity for surface disposal facility
	<i>M. Dionisi (ISPRA)</i> - Developing regulatory guidelines for RW management activity
13.00 – 14.00	Lunch
14.00 – 17.00	<i>N. Zeleznik (ITER)</i> - Public information and involvement
	Summary
	Questionnaire
	Opinion from trainees
	Training Course Minutes