



EC - 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

Regulatory inspection (oversight) during NPP operation

organized by ITER-Consult and BNRA

Sofia – February 22-26, 2016

Bulgarian Nuclear Regulatory Agency Headquarter
69 Shipchenski prohod blvd.,
1574 Sofia, Bulgaria

Course Objective

The training course will provide the presentation and discussion of the inspection & enforcement function of the regulatory body and main technical and organizational aspects characterizing the regulatory inspection for a NPP.

It will include regulatory inspection function; role of inspector; kind of inspections; regulatory approach to surveillance and inspection activity; planning of inspections; inspections during siting, construction, commissioning and operation; conduct of inspections for SSC, inspection for conduct of operation of NPP (OLC), inspection of occupational radiation protection; inspections during NPP outage, inspection activity for investigation of operating events; reporting about inspections, use of inspection reports in regulatory decision making; radiation protection requirements and inspection according to the new EU BSS.

A visit to Kozloduy NPP is organized for the trainees providing direct evidence of on-site regulatory inspection activity.

Reference standards and requirements will be addressed.



resources & energy

Course Daily Program

Monday 22 nd February, 2016	
09.00 - 09.30	Registration
9.30 – 12.30	Welcome Organizational aspects, Training objective, Training program – <i>A. Madonna (ITER)</i>
	EU infrastructure for Radiation Protection and Nuclear Safety – <i>A. Madonna (ITER)</i>
	Role, functions and responsibilities of the nuclear regulatory authority - <i>A. Madonna (ITER)</i>
	Overview of regulatory role and competence for inspectors – <i>A. Madonna (ITER)</i>
12.30 – 13.30	Lunch
13.30 – 17.00	Planning Regulatory Inspection and related procedures - <i>R. Tranteeva (BNRA)</i>
	Graded approach, management of regulatory inspections – <i>N. Vlahov (BNRA)</i>
	Inspection types and inspection areas – <i>R. Tranteeva (BNRA)</i>

Tuesday 23 rd February, 2016	
9.00 – 12.30	Regulatory enforcement actions and graded approach – <i>N. Vlahov (BNRA)</i>
	Methodology for regulatory inspection implementation – <i>L. Katsarska (BNRA)</i>
	Training & Qualification of Inspectors – <i>N. Vlahov (BNRA)</i>
12.30 – 13.30	Lunch
13.30 – 17.00	Regulatory inspections during NPP operation – <i>R. Tranteeva (BNRA)</i>
	Regulatory inspections during NPP outage and implementation - <i>R. Tranteeva (BNRA)</i>
	Regulatory inspection for radiation protection, occupational exposure and radioactive effluents to the environment – <i>L. Katsarska (BNRA)</i>

Wednesday 24 th February, 2016	
9.00 – 12.30	Regulatory inspections on NPP in operation (experience from another EU country) – <i>D. Nyisztor (HAEA)</i>
	Regulatory Inspection for civil structures and inspection guideline – <i>G. Pino (ITER)</i>
	Regulatory Inspections for material and radwaste management – <i>A. Alexiev (BNRA)</i>
12.30 – 13.30	Lunch
13.30 – 17.00	Regulatory oversight and authorization (license) for operating personnel – <i>R. Tranteeva (BNRA)</i>
	Regulatory Oversight - Physical Protection/ Security Culture – <i>E. Bonev (BNRA)</i>
	Regulatory inspections on radiation protection and technical support – <i>G. Valchev (WP)</i>

Thursday 25 th February, 2016	
9.00 – 12.30	<ul style="list-style-type: none"> • Visit of Kozloduy NPP Training Centre • Discussion with the Licensee and regulatory on-site inspectors
12.30 – 13.30	Lunch
13.30 – 17.00	<ul style="list-style-type: none"> • On-site walk-down to KNPP unit 5&6 • Common walk-down for selected items with BNRA inspectors • Practical example of regulatory inspection activity in KNPP

Friday 26 th February, 2016	
9.00 – 12.30	Radiation protection requirements and inspections according to the new EU BSS - <i>Y. Dimitrova (BNRA)</i>
	Regulatory Oversight of emergency arrangements – <i>M. Nizamska (BNRA)</i>
	Regulatory transparency attitude – <i>K. Slavcheva (ITER)</i>
12.30 – 13.30	Lunch
13.30 – 17.00	Course summary
	Questionnaire - <i>K. Slavcheva (ITER)</i>
	Opinion from trainees - <i>K. Slavcheva (ITER)</i>
	Training Minutes - <i>K. Slavcheva (ITER)</i> , Certificates - <i>K. Slavcheva (ITER)</i>