



# Radiation Monitoring

## Objective

The course is part of the Basic Training Programme on VVER Technology for non-nuclear professionals and subcontractors. The objective of the training course is to provide sufficient information about the radiation monitoring which is obligatory for every nuclear site.

## Brief Curriculum

The course consists of two modules: Tools for radiation control and Environmental radiation monitoring. The first module describes the structure of a modern radiation monitoring system and gives the characteristics of typical detectors and monitors used in a nuclear facility. The second training module describes facts, principles, processes and general concepts of environmental radiation monitoring and control, explains the subject of radiation monitoring and bio-monitoring, and describes the environmental sampling, sample preparation and analyses of the samples.

## Target group

The training course aims to give competencies to a wide range of non-nuclear specialists whose professional work requires knowledge in the nuclear science. These are professionals working onsite in NPP related activities – construction, start-up, operation, decommissioning, RAW and spent fuel storage (civil engineers, government employees), non-nuclear technical staff (technicians involved in maintenance of auxiliary facilities in NPP, laboratories, storage and other nuclear sites), public communicators (local authorities, secondary school teachers, journalists), etc.



## Qualification requirements

- Very good verbal and written English skills.
- EQF level 5-7
- Professional high-school diploma for non-nuclear technicians and a bachelor's degree for the rest of the target group.
- Theoretical training on „Introduction to NPP“ is needed for personnel who is going to perform radiation monitoring of a nuclear power plant.

## Host organisation

Center for specialized education at the Institute for Nuclear Research and Nuclear Energy of the Bulgarian Academy of Sciences, Sofia, Bulgaria.

## Language

The course will be held in English language.

## Duration

Both training modules are designed to take 4 hours each.

## Contact details

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