



Regulatory Control of Radiation Protection in Mining and Minerals Processing Facilities and Activities

Sessions: 4-8 December 2017
24-28 September 2018

Registration deadlines: 4 October 2017
24 July 2018

Duration: 5 days
Certificates will be issued to participants who attend the full course.

Locations: Prague, Czech Republic
Rabat, Morocco

Price: No fees for INSC participants
€2 500 for non-INSC participants

Codes: 2017_CO1046 | **2018_CO1046**

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Online catalog

www.enstti.eu/training-catalog

Examination:

Knowledge testing (multiple choice exam) will be performed on the full course content and successful candidates will be issued with a Knowledge Certificate.

Teaching methods:

- Lectures, discussions and practical sessions are included.
- Working group exercises and technical visits are supervised by experienced TSO experts.

A USB stick containing the course material will be provided.

OBJECTIVES

To provide participants with an understanding of the nature of radiation hazards associated with mining and minerals processing, the philosophies and principles of safety and protection and their regulatory control. The training covers regulatory processes and deals with protection of workers and the public, both operationally and in the long term management of the radioactive waste generated by the mining and processing operations.

PUBLIC

- Professionals involved in activities related to the regulatory control or evaluation of the safety of mining and processing facilities for uranium or other ores or minerals containing elevated levels of naturally occurring radionuclides.
- Professionals employed by nuclear regulatory or nuclear safety technical expertise organizations.

LEARNING OUTCOMES

- An understanding of how safety requirements are incorporated in the legal and regulatory processes and how the regulatory process works in a practice.
- Ability to work more effectively within national legal and regulatory frameworks in the areas of regulatory guidance development, review of safety documentation, establishment of conditions of authorisation and compliance assurance activities.

PRE-REQUISISTE

Participants will require a basic knowledge in the area of radiation science and mining and minerals processing technologies. Persons with knowledge of nuclear law will also benefit from the course.

PROGRAM

The course presents the safety principles applied to natural radioactivity and discusses the associated regulatory processes including the establishment of safety standards, regulatory review of safety assessments, establishment of conditions of authorization and the implementation of regulatory compliance assurance programs including inspection. The international, regional, and national dimensions of radiation safety will also be presented.

The module consists of five days of training covering the following subjects:

- The nature of radiation hazards associated with mining and minerals processing and the principles and philosophies of safety and protection,
- Regulatory processes applied to mining and mineral processing,
- Operational radiation protection of workers in surface and underground facilities,
- Public protection and environmental surveillance,
- Management of radioactive waste,
- Legacy issues.

Practical exercises will take place during the week in which participants will work in groups to address issues related to the subject matter being presented and a site visit will take place.

