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Experts *for experts*

RADIATION PROTECTION | Course in English

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

Session: Consult on-line training schedule

Registration deadline: 3 months prior to course

Duration: 5 days
Certificate of attendance will be issued to participants who attend the full course.

Price: Contact us

Code: CO1046

REGISTER NOW

Contact
Frédérique Boulesteix
+33 (0)1 58 35 93 51
+33 (0)7 78 18 83 75
mailto : frederique.boulesteix@enstti.eu

Online catalogue
www.enstti.eu/training-catalogue

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 help participants understand the nature of radiation hazards associated with mining and minerals processing, along with the principles of safety and protection and their regulatory control.

TARGET AUDIENCE

- Professionals involved in activities related to the regulatory control or safety assessment 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.

PREREQUISITES

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

LEARNING OUTCOMES

Participants will acquire:
- An understanding of how safety requirements are incorporated in the legal and regulatory processes and how the regulatory process works in practice.
- The 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 authorization, and compliance assurance activities.

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 5-day training module covers the following subjects:
- The nature of radiation hazards associated with mining and minerals processing and the principles of safety and protection.
- Regulatory processes applied to mining and minerals processing.
- Operational radiation protection of workers in surface and underground facilities.
- Public protection and environmental monitoring.
- Radioactive waste management.
- Legacy issues.

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

At the end of the module, a roundtable discussion session addresses issues identified by participants. It is followed by an evaluation during which participants give their impressions of the module, with a review of the degree to which the needs expressed on the first day of training were met.