

Training Course

on

“Safety requirements for Near Surface Disposal Facility and performance assessment”

September 11-15, 2023

*GATE Center – Pisa (Italy)
Largo Padre Renzo Spadoni, 2*

Training objective

The training course has the objective to present and discuss the safety conception of a NSDF, its engineered barriers, the safety requirements and the safety analysis to be performed in various phases of the licensing process. Familiarization with software for long term performance assessment is included.

Target audience

Staff of: nuclear regulatory authorities (NRA), technical and scientific support organizations (TSO), research organizations and design companies.

Participant background

Scientific technical background. Basic knowledge of radioactive waste would help.

Lecturers

EU senior experts with regulators view, experienced in training activity will provide lectures and direct the discussion.

Program topics

- Near Surface Disposal Facility (NSDF) current technologies and safety functions
- Engineered barriers and design safety requirements according to IAEA SS
- Key safety issues for siting, design, construction, operation, closure and post-closure
- NSDF waste acceptance criteria
- Licensing process and content of safety analysis for the licensing phases
- Long term safety and computation tools for performance assessment
- Familiarization with Goldsim software and case studies simulating release from the NSDF, migration of RN and impact on public health
- regulatory licensing review process and TSO support

Learning outcomes

Understanding and familiarization with:

- EU directives & international standards for N&R safety related to RWM
- safety objectives & safety functions of NSD facilities and current technologies
- licensing process phases and related safety analysis to be performed
- importance of criteria for waste acceptance in a RW surface repository
- operation if a NSD facility and related safety analysis
- key aspects of closure and post-closure of a NSDF & performance assessment
- scenarios & assumptions characterizing a performance assessment (PA)
- Structure and capacity of Goldsim software to simulate processes for PA
- regulatory management of SAR review and use of external support

Course information

Duration of the course: 5 days

Date/place: September 11-15, 2023 - GATE Center – Pisa (Italy)

Language: English

Fee: € 1.900 (+VAT 22%) including training material (paper and electronic copy) and *coffee breaks and daily lunch*.

Special discount for more participants from the same organization.

Registration deadline:

Early deadline August 21, 2023

Later registration possible with 10% fee supplement.

Registration form available on our website: www.iter-consult.it

Certificate of attendance will be issued to the participants attending the course.

Accommodation

On request information regarding suitable hotels in Pisa will be provided.

Contacts:

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