

Regulatory Control of the Safety of Spent Fuel & Radioactive Waste Management

Sessions: Once or twice a year

Registration deadlines: 3 months prior to course

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

Price: €2,500 for participants

Code: CO1027

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Contacts

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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 are supervised by experienced TSO experts belonging to the IRSN ASTEC team.

A USB stick containing the course material will be provided.

OBJECTIVES

To provide awareness and a transfer of knowledge on the safety related to each step of management, including storage and final disposal.

TARGET AUDIENCE

Professionals employed by nuclear regulatory or nuclear safety technical expertise organizations, with a Master's degree or similar higher-education qualification and who are involved in radioactive-waste safety assessment activities.

PREREQUISITES

Participants will require basic knowledge in the fields of nuclear safety and radioactive waste management.

LEARNING OUTCOMES

Participants will acquire:

- Knowledge of international waste-management standards, including national aspects.
- An overview of pre-disposal radwaste management steps and techniques, with regard to the design of the safe final destination.
- An understanding of the main safety issues involved in near-surface and geological disposal, with practical cases in mind.
- The keys of anticipating the development of knowledge and resources required to assess hazards posed by radwaste repositories.

PROGRAM

Spent fuel and radioactive waste management is a matter of concern in all nuclear countries. Some countries have already identified final disposal as a sustainable final solution in their national waste management strategy.

The training course covers the following topics:

- Regulatory framework in waste management, international standards, French implementation.
- Pre-disposal requirements (basic steps, waste characterization, acceptance criteria, conditioning, nuclear waste packages).
- The storage of disused radioactive sources and spent fuel, along with the safety assessment aspects. Near-surface disposal (main safety issues, feedback from the French experience, comparison between interim storage and near storage, disposal facilities, natural external hazards).
- The main safety issues implicated in near-surface and geological disposal, with practical cases in mind.
- The main challenges faced in establishing constructive dialogue with the stakeholders involved in a waste disposal project.