

**RADIATION PROTECTION**

*COURSE IN ENGLISH*

**EXAMPLE  
OF TRAINING  
PROVIDED**

**OUR EXPERTS ENHANCE YOUR SKILLS**

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

**Code: CO1027**

**Session:**  
On demand

**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!**

## 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.

## 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.

**TO BE DESIGNED ACCORDING  
TO YOUR EXPECTATIONS**

## Prerequisites

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

## 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.

A USB stick containing the course material will be provided.

## 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, EU countries 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.

**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.

**Contact :**  
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**Online catalogue**  
<https://formation.irsn.fr/en/>