ASNR Autorité de sûreté nucléaire et de radioprotection
ACADEMY

RADIATION PROTECTION ***COURSE IN ENGLISH***

EXAMPLE OF TRAINING PROVIDED

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!

TO BE DESIGNED ACCORDING TO YOUR EXPECTATIONS

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.

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 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.

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Contact :
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Online catalogue
https://academy.asnr.fr/en/