

Radiological Protection

Purpose

To provide learners with a high level appraisal of the underlying principles of radiation hazards, risks and control methods.

At the end of the course you will be able to

1. Explain principles of radiation protection
2. Apply exposure limits and means of protection
3. Critically review radiation protection in nuclear plants.

Outline content

Measures of radiation for personnel protection

- Biological radiation effects
- Short term/long term
- Deterministic/stochastic

Standards of protection

- Limitation, justification and optimisation
- Internal/external exposure

Means of protection

- Categorisation of workers and working areas
- Engineered and operational control
- Shielding
- Contamination control

Issues on nuclear plant

- Sources of radiation in reactors
- Contamination monitoring and control
- Personnel monitoring and operational control

Recommended prior study

Education, skills or experience equivalent to undergraduate level

Who should attend

Managers, engineers, operators, safety advisors and risk management practitioners

Module is available as

- Face-to-face (classroom) delivery
- Attendance-only (without assessment), **or**
- Attendance plus assessment by Risktec consultants

Assessment details

Activities and/or assignments

Other Details

Duration: 1 day

Price

For prices and further information, or to book a course, please contact **Vicky Billingham** at training@risktec.tuv.com

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