

RADIATION WORKER TRAINING IN EDF ENERGY

GUY RENN, HEAD OF RADIOLOGICAL PROTECTION, SIZEWELL B NPP, UK



Training for Unescorted Access to Controlled Areas

Duration: 2 Hours

Classroom 1 Hour &
Practical Simulation 1
Hour.

Successful completion
of training allows
unescorted access to
RCA.

Requalification period 3
years.



Competent Person (Nuclear Radiation)

Duration 2 Hours.

Classroom or Computer Based Learning.

Successful completion authorises workers to receive Radiological Work Permits and High Radiation Area keys.

Requalification period 3 years.

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Level 2 Monitor (“Radworker”)

Duration: 1 Week.

Classroom 2.5 days &
RCA 2.5 days.

Successful completion
of training allows
workers to perform
their own radiation
monitoring where
allowed by the
Radiological Work
Permit.

Requalification period 3
years.



Radiation Protection Supervisor

- Duration: 1 Day.
- Students are expected to have existing knowledge of Radiological Protection. Contractors will have completed an external Radiation Protection Supervisors training course (2 – 3 days).
- Successful completion authorises delivery of RWP Briefings and field supervision of radiological work.
- Course focuses on radiological protection aspects of supervision.



RCA Orientation Checklists

- Provide RCA familiarisation for new radiation workers.
- Conducted after completion of initial training.
- Use of checklist and experienced colleague/supervisor.
- Newly qualified worker “walked through” actual RCA layout & key RP information.
- Works well for single workers, more difficult to implement during outages with large numbers of workers.



Use of Dynamic Learning

- Sizewell B has built an “Excellence Centre” that contains a large quantity of plant simulations for practical training .
- Extensively used by Maintenance Department who have begun to include RP controls in their training scenarios.
- RP are beginning to use this facility for more realistic training.



Some concluding thoughts

- Good RP training relies upon experienced and credible tutors to deliver material, particularly operational practices.
- Training effectiveness can reduce before outages when the training programme focus becomes quantity not quality.
- Radiation worker performance is influenced by attitude as much as knowledge – RP training needs to integrate generic human performance practices.
- Use of practical RP scenarios is generally preferred by students and is more effective than classroom training.
- Training needs to be reinforced in the field early and then regularly.



THANK YOU

