

- With a common design lifetime of about 30 to 40 years, an increasing number of nuclear power reactors and facilities from the first generation are reaching their end-of-life. Decommissioning of nuclear installations is becoming an additional craft for industry.

- The objective of this course is to provide an overview on decommissioning challenges, techniques and principles for MSc students. No prior knowledge of decommissioning or waste management is required.

- The 2-day course covers: strategies and planning of decommissioning and dismantling, safety and radioprotection aspects, waste and materials management, characterisation processes, dismantling and decontamination techniques, financial aspects of decommissioning and also a visit to the BR3-PWR reactor decommissioning, a European pilot project.

- Instructors are:

- Vincent Massaut: manager at the SCK•CEN of the BR3 decommissioning project
- Mathieu Ponnet: responsible at the SCK•CEN for waste & materials management.
- Jérôme Dadoumont: project manager dismantling at the SCK•CEN
- Isabelle Majkowsky: responsible for radioprotection measurements at the SCK•CEN

- The course is organised within the Belgian interuniversity program for Master of Science in Nuclear Engineering.

<http://www.sckcen.be/BNEN>

Course co-ordination:

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Course venue:

SCK•CEN, club-house, Mol Belgium

Itinerary: <http://www.sckcen.be>

Course language: English

Course fee:

The course is free of charge for academic registered MSc students. Industrial participants should contact the registration office.

Registration deadline:

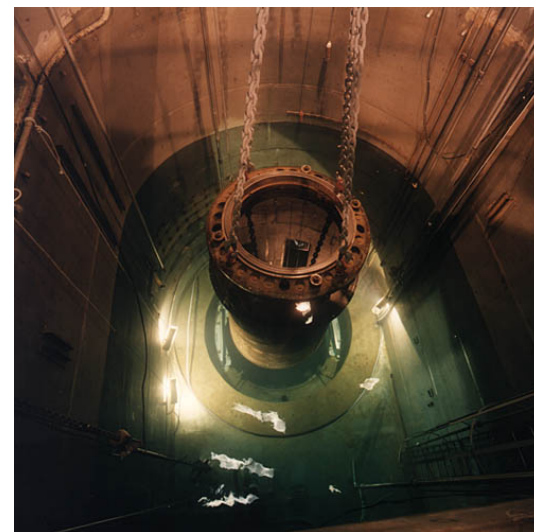
April 2, 2004

Registration office:

Catherine SPECT cspect@sckcen.be

BNEN

BNEN is a consortium of the Belgian universities *Katholieke Universiteit Leuven, Université Catholique de Louvain, Université de Liège, Universiteit Gent, Vrije Universiteit Brussel* in collaboration with the *Belgian Nuclear Research Centre SCK•CEN.*



Special Training Course Decommissioning of nuclear installations

**Mol, Belgium
April 20-21, 2004**

Organised by:



*Belgian Nuclear higher
Education Network*



Decommissioning and Dismantling (D&D) Course

Mol, 20-21 April, 2004

Co-ordination: Vincent Massaut, SCK•CEN

20/04/04 09.00 – 12.30 V.Massaut	20/04/04 14.00 – 17.00 I.Majkowsky, M.Ponnet	21/04/04 09.00 – 12.30 visit lead by Y.Demeulemeester	21/04/04 14.00 – 17.00 J.Dadoumont, V.Massaut
Introduction Definitions, objectives, levels	Inventory and characterization	Visit to the BR3 plant (dismantling, decontamination, materials management)	Dismantling techniques (activated parts)
Strategies and planning of D&D	Material (& waste) management		Dismantling techniques (contaminated parts)
The different types of installations	Decontamination techniques (metal)		Radioprotection, ALARA & safety
Financial aspects of D&D (cost estimate, funding)	Decontamination techniques (concrete)		