

EUROPEAN COURSE ON

ALARA FROM THEORY TO PRACTICE IN NUCLEAR INSTALLATIONS

8-13 MAY 2011, BARSEBÄCK, SWEDEN

FIRST ANNOUNCEMENT AND PRE-REGISTRATION



Foreword

The optimisation of radiological protection principle (also known as 'ALARA'), has been implemented since more than 30 years by nuclear professionals. The key role of optimisation has been reemphasized in the '2007 ICRP Recommendations for a System of Radiological Protection' (ICRP 103), to be transposed in the new European Basic Safety Standards.

Moreover, since a few years, the intention to build new nuclear power plants at the international level, together with the ageing of existing installations requires a new focus on maintaining and expanding skills, through radiation protection education and training and dissemination of ALARA culture. This is also reinforced by a large-scale retirement of nuclear workers.

Course objectives

This European Course on 'ALARA from Theory to Practice in Nuclear Installation' is organised by KSU (Sweden) and CEPN (France) with the objectives of providing up-to-date knowledge on the ALARA principle and its practical implementation through dedicated lectures, practical exercises as well as syndicate exercises.

The Course will be held in the KSU Barsebäck Training Centre, located on the site of the decommissioned Barsebäck Swedish nuclear power plant. The latter will be the place for the practical exercises.

Target audience

The Course is intended for experienced professionals having responsibilities in radiological protection in nuclear installations, such as Radiation Protection Managers, RP Qualified Experts and Officers, HP Engineers and Technicians, RP Inspectors, Maintenance Managers, etc.

Newcomers in the field of radiation protection are also very welcomed, as a core objective of this course is the transmission of knowledge and know-how in ALARA implementation to new generation

PROGRAMME OVERVIEW

	Monday	Tuesday	Wednesday	Thursday	Friday
08:00-09:30	Course opening Presentation of course, trainees and trainers CEPN	Exercise in plant Presentation of exercise Job planning CEPN/KSU	Technical visit to Ringhals NPP Bus leaves Barsebäck 08:00 RINGHALS AB	ALARA culture and human performance CEPN/KSU	RP issues at the design stage CEPN
09:30-09:45	Coffee break	Coffee break		Coffee break	Coffee break
09:45-11:30	Why ALARA? Evolution of the ALARA concept CEPN	Exercise in plant CEPN/KSU		Syndicate exercise Job evaluation in an ALARA-perspective CEPN	Synthesis and evaluation CEPN
11:30-13:00	Lunch	Lunch	Lunch	Lunch	Lunch
13:00-13:30	Group discussion CEPN	Exercise debriefing Presentation/group Feedback from trainers Discussion CEPN/KSU	Bus leaves Ringhals 15:00-15:30	ALARA tools CEPN	
13:30-14:15	ALARA in regulations CEPN			Syndicate exercise use of ALARA-tools	
14:25-15:10	ALARA procedure CEPN			CEPN	
15:10-15:30	Coffee break			Coffee break	
15:30-16:15	ALARA programs CEPN	Work management CEPN		RP in Barsebäck during 25 years of operation C-G Lindvall	
16:15-16:45	Group discussions CEPN	Group discussions CEPN		Option for guided tour in Barsebäck plant Freetime P.Andersen	
17:30-19:30	<i>Innebandy</i>	<i>Curling</i>	<i>Sauna and bath in Oresund</i>		
20:00-21:00	Dinner	Dinner	Dinner	Dinner	

GENERAL INFORMATION

Date

The course will start on **Sunday 8th May 2011** afternoon, to perform the mandatory security and safety training. It will end on **Friday 13th May 2011**, by noon.

Course location

The training course will be held in the premises of KSU, located on the Barsebäck NPP site, on the west coast of southern Sweden.

KSU
Utbildning Barsebäck
SE-246 25 Löddeköpinge
Sweden

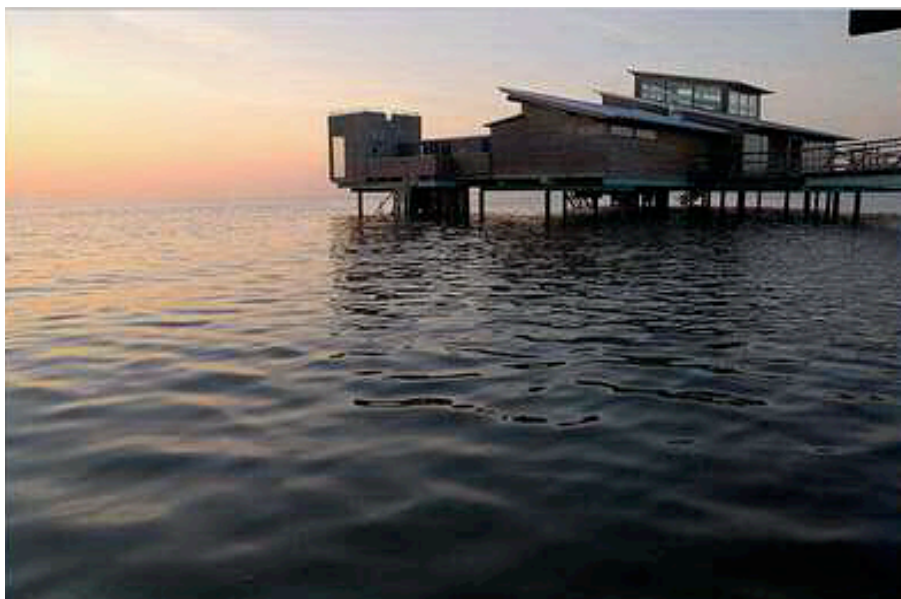
Accommodation

Students will be hosted in the guest house of KSU, providing bed and breakfast, dinner and lunches. Accommodation is in single bedroom.

Fees

The fees (3 200 €/person, VAT excluded) include:

- Course documentation, all technical sessions, visit to Ringhals NPP;
- Transport from and to Malmö railway station;
- Bed, dinners, breakfasts and lunches from Sunday evening to Friday noon;
- 'Ice breaker activities' (Innebandy, Curling, Sauna).



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INDIVIDUAL PRE - REGISTRATION FORM

If you are interested in participating to this course, please fulfil the following form and send it to the following address (post, fax or e-mail)
before the 15th of December 2010

Mr Pascal CROUAIL / Ms Caroline SCHIEBER
CEPN
28, rue de la Redoute
F-92263 Fontenay-aux-Roses
France

Tel: +33 1 55 52 19 20

Fax: +33 1 55 52 19 21

e-mail: crouail@cepn.asso.fr , schieber@cepn.asso.fr

Please note that the course is limited to 20 participants. The first 20 pre-registered participants will be selected for participation. Confirmation and final registration form will be sent by the end of December 2010.

First Name:	Family Name:
Organisation:	
Address:	
Country:	
Phone:	Fax:
Email:	