

2nd EUROPEAN COURSE ON

ALARA FROM THEORY TO PRACTICE IN NUCLEAR INSTALLATIONS

16 – 21 SEPTEMBER 2012, BARSEBÄCK, SWEDEN

ANNOUNCEMENT AND 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.

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

GENERAL INFORMATION

Date

The course will start on **Sunday 16th September 2012** afternoon, to perform the mandatory security and safety training. It will end on **Friday 21st September 2012**, 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



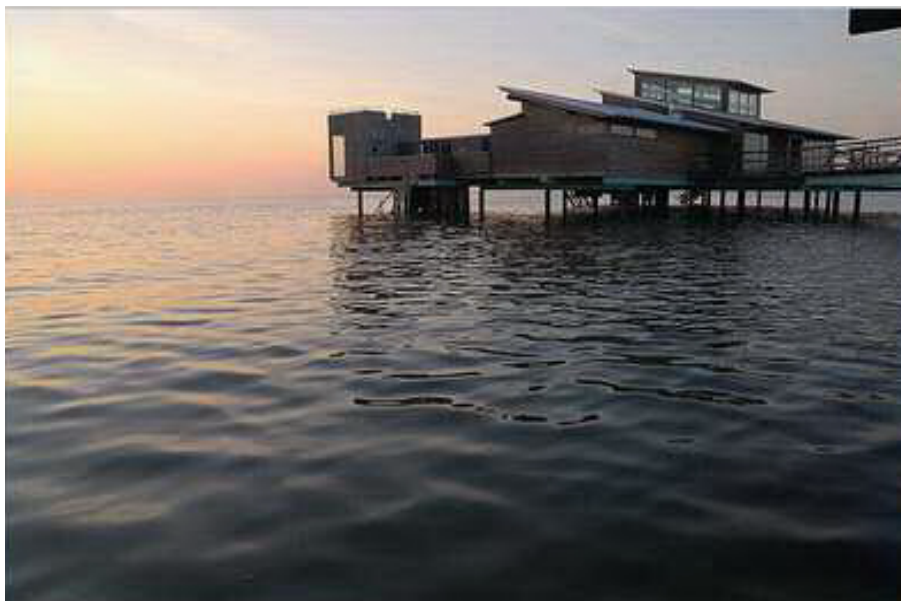
Accommodation

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 session, visit to Ringhals NPP;
- Transport from and to Malmö railway station
- Bed, dinners, breakfasts and lunches from Sunday evening to Friday noon
- Social events



PROGRAMME OVERVIEW

	Monday	Tuesday	Wednesday	Thursday	Friday
08:00-09:30	Course opening Course presentation CEPN/KSU	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 in dismantling Barsebäck NPP experience CEPN/KSU
09:30-10:00	Coffeebreak	Coffeebreak		Coffeebreak	Coffeebreak
10:00-11:30	Why ALARA? Evolution of the ALARA concept CEPN	Exercise in plant CEPN/KSU		Work management for optimisation of RP in NPPS CEPN	Synthesis and evaluation CEPN
11:30-13:00	Lunch	Lunch	Lunch	Lunch	Lunch
13:00-13:45	ALARA in regulations CEPN	Exercise debriefing Presentation/group Feedback from trainers Discussion CEPN/KSU	Bus leaves Ringhals 15:00-15:30	ALARA tools CEPN	
13:45-14:30	ALARA in some NPPs Selected Trainees			Syndicate exercise use of ALARA-tools CEPN	
14:30-15:00	Group Discussion			Group Discussion	
15:00-15:30	Coffeebreak	Coffeebreak		Coffeebreak	
15:30-16:15	ALARA procedure CEPN	ALARA programs in NPPs CEPN		ALARA programme at Ringhals NPP T. Svedberg	
16:15-16:45	Group discussions CEPN	Group discussions CEPN		Option for guided tour in Barsebäck plant Freetime	
17:30-19:30	Curling	Innebandy	Sauna and bath in Oresund		
20:00-21:00	Dinner	Dinner	Dinner	Dinner	

**EUROPEAN COURSE ON
ALARA FROM THEORY TO PRACTICE IN NUCLEAR INSTALLATIONS
16 – 21 SEPTEMBER 2012, BARSEBÄCK, SWEDEN**

INDIVIDUAL REGISTRATION / PAYMENT FORM

To register to the course, please fill in the following form and send it to the following address **before the 30th of May 2012 (New deadline)**. Please, also send your payment to the indicated bank account.

CEPN - 28, rue de la Redoute - F-92260 Fontenay-aux-Roses – France
Tel: +33 1 55 52 19 20 - Fax: +33 1 55 52 19 21 - e-mail: sec@cepn.asso.fr

INVOICE ADDRESS:
VAT Registration Number:

First Name:	Family Name:
Organisation:	
Address (if different from the Invoice address):	
Phone:	Fax:
Email:	

Registration Fees: 3200 € VAT included (*Swedish VAT at 25%*)

The fees 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'.

The payment of the fees must be done in Euros by bank transfer into the following banking account.
Please do not forget to specify the name of the participant.

SBE, 60-68 av. du Général Leclerc, 92260 Fontenay-aux-Roses, France
CEPN Account No.: **IBAN:** FR76 1767 9004 0600 9410 6075 449
SWIFT: BREDFRPP – **BIC:** SBEXFRP1XXX

All bank charges are at your expense

Date _____ Signature _____

Cancellation received in writing before the 15th of June, 2012 will be subject to a service charge of 300 €. It is regretted that cancellations received after this date cannot be reimbursed.