

# 1st EC/ISOE WORKSHOP on OCCUPATIONAL EXPOSURE MANAGEMENT AT NPPS

Malmö, Sweden, 16-18 September 1998



---

## PROGRAMME and REGISTRATION FORM

---

Organized by

Sponsored by



EUROPEAN COMMISSION  
DIRECTORATE-GENERAL XI



EUROPEAN TECHNICAL CENTRE  
**cepn**



IAEA



The European Commission Directorate-General for the Environment, Nuclear Safety and Civil Protection and the CEPN (the ISOE European Regional Technical Centre) are jointly organising the First EC / ISOE Workshop on Occupational Exposure Management at Nuclear Power Plants. This workshop is targeted to radiation protection professionals (radiological protection managers and senior staff members) from all types of Nuclear Power Plant (NPPs), contractors and Radiological Protection Authorities. The OECD Nuclear Energy Agency and the International Atomic Energy Agency are sponsoring the workshop.

The workshop will :

- provide a large forum for operators to exchange information and experience on occupational exposure issues at NPPs such as practices, management procedures, dosimetric results and problems, improvements, techniques and tools;
- allow vendors to present their recent experiences in the radiological protection area covering measurement techniques, operational and plant design improvements and ALARA practices during operation and outages.
- give an opportunity to participate in plenary sessions, poster presentations, small group discussions and vendors exhibition.

We hope that this workshop will largely contribute to facilitate, within Nuclear Power Plants, the implementation of the ALARA principle which has been re-emphasized as the corner stone of the system of radiological protection in ICRP Publication 60 as well as in the European and International Basic Safety Standards.

We are sure that it will be the first of many workshops which will allow to demonstrate workers radiological protection improvements and benefits.

S. Kaiser  
Head of Unit  
EC DG XI Radiation Protection

C. Lefauve  
Project Leader  
ISOE ERTC CEPN

## PROGRAMME COMMITTEE

BONE Michael A.  
Sizewell B NPP, United Kingdom

CASTELO Javier  
Vandellos 2 NPP, Spain

CROUAIL Pascal  
ISOE European Regional Technical Centre, CEPN, France

FARINEAU Brice  
Paluel NPP, France

HOLL Matthias  
Mülheim-Kärlich NPP, Germany

LEFAURE Christian  
ISOE European Regional Technical Centre, CEPN, France

LINDVALL Carl-Goran  
Barsebäck NPP, Sweden

SCHNUER Klaus  
European Commission, DG XI, Luxembourg

WILLEMENOT Jean-Marc  
European Commission, DG XI, Luxembourg

## CONFERENCE LANGUAGE

The official language of the Workshop is English but, in order to facilitate a wide participation, oral presentations may be given also in French, German or Spanish and will be simultaneously translated into English.

## PROVISIONNAL PROGRAMME

### Tuesday 15th of September

14:00 Installation of posters and exhibition spaces  
15:00 Registration  
18:00 Reception Buffet  
21:00 end

### Wednesday 16th of September

08:00 Latest Registration  
08:00 Exhibition Opening  
09:00 Conference Opening (EC DG XI - ISOE ERTC)

Session 1: Dose Reduction & Management During Plant  
Operation

Chairman: S. Kaiser (EC DG XI)

- Experiences of radiation exposure management at Sizewell B  
RENN Guy. Sizewell B NPP, U.K.
- Programme to eradicate hot spots (Co-60) carried out in French  
PWR units  
ROCHER Alain. EDF-DSRE, France.
- Dose-reduction by pre-planning  
HARRYSSON Robin. Oskarshamn 2 NPP, Sweden.
- Dose reduction of an average of 400 workers over the past 5  
years  
BARTELS Rainer. Sina Industrieservice GmbH, Germany.
- ALARA during In-Service Inspections  
USA. (to be confirmed)

12:00-13:30      Lunch

Session 2:    Decontamination Experiences & Chemistry  
Improvements

Chairman:    E. Lazo (NEA-OCDE)

- Dose-reduction by chemical decontamination  
  JANSEN Robert, DE BRUIJNE A.B. Borssele NPP, The Netherlands.
- 1997 Ringhals 1 NPP decontamination  
  FREDLUND Mats. Ringhals NPP, Sweden.
- Replacement of reactor internals and full system  
  decontamination at Fukushima-Daiichi NPS  
  SAKAI Toshiaki, MAKIHIRA Atsutoshi. TEPCO, Japan.
- Primary system purification at Saint-Laurent B NPP  
  LAVIGNE Jean-Marie. Saint-Laurent B NPP, France.
- Zinc Injection Experience  
  EPRI, USA (to be confirmed)

Session 3:    Dose reduction During Major Maintenance Tasks

Chairman:    I. Devine (Magnox Electric plc)

- Cutting and disposal of reactor internals, Oskarshamn 1  
  ERIKSSON Jan-Ove, HJELM Mats. Oskarshamn 1 NPP, Sweden.
- Modifications in Almaraz NPP. Experience and future  
  SUSTACHA DUO Domingo. Almaraz NPP, Spain.
- A Cofrentes nuclear station experience: ALARA implementation  
  for a valve replacement  
  ALMOGUERA Ramon. Cofrentes NPP, Spain.
- ALARA Application to reactor vessel closure head replacements  
  ABELA Gonzague. Dampierre NPP, France.

17:30      Conference closing

18:30      Exhibition closing

Thursday 17th of September

08:00 Exhibition Opening  
09:00 Conference Opening

Session 4: Topical Session on Dosimetry

- The use of the Siemens Electronic Personal Dosimeter (EPD) as a legal whole body dosimeter by the BNFL Magnox Generation Approved Dosimetry Service  
WEEKS Andy R. Magnox Electric plc, U.K.
- The Use of DOSICARD dosimeter at Koeberg NPP  
South Africa. (to be confirmed)
- Teledosimetry Experience  
USA. (to be confirmed)
- Routine Quality Checks of the Personal Dosimetry at Ringhals  
ANDERSSON Anna-Kajsa. Ringhals NPP, Sweden.
- Experience with CASTOR loading and transports and the dose exposure of workers and companions  
BENTELE Wolfgang., KINZELMANN T. Neckar NPP, Germany.
- Measurements of Neutron Dose Equivalents at the Nuclear Installations Ringhals and CLAB  
DRAKE Per. Ringhals NPP, Sweden.
- The new dose recording system in Swedish NPPs  
EKLÖF Monica. Forsmark NPP, Sweden.
- Uses of MICADO-DOSINAT dose recording system at national and site levels  
EDF, France.
- Neutron and Photon Dosimetry with RADOS Direct Ion Storage Dosimeters  
Paul Scherrer Institute, Switzerland. (to be confirmed)
- Monitoring System of Internal Exposures  
Germany.

12:30-14:00      Lunch

Session 5:    Group Discussions

Chairmen:    C. Thézée (EDF), C. Lefaure (ISOE ERTC, CEPN)

Works in Groups (14:00-16:00)

16:00-17:00    Report from the Groups in Plenary Session

17:00-17:45    Posters Discussion

17:45            Conference closing

18:30            Exhibition closing

19:30            Conference Dinner at the City Hall of Malmö

23:30            Return at the Scandic Hotel

## Friday 18th of September

08:00 Exhibition Opening  
09:00 Conference Opening

Session 6: ALARA Management & Policies  
Chairman: G. Lyngsjö (Barsebäck NPP)

- European Regulations  
WILLEMENOT Jean-Marc. EC DG XI, Luxembourg.
- ALARA requirements: The Authority point of view  
GODÅS Thommy. SSI, Sweden.
- Corporate Dosimetry Management in EDF NPPs  
THEZEE Christian. EDF-DSRE, France.
- ALARA Policy, Application, Benefits at French NPP: the Manager point of view  
CHARRIERE Jean-Louis. Saint-Laurent B NPP, France.
- The man-sievert monetary value uses: results of an international survey  
LEFAURE Christian. ISOE ERTC CEPN, France.
- Economic benchmarking of Radiation Protection Programs at U.S. Nuclear Power Plants  
ANDERSEN Ralph L. Nuclear Energy Institute, USA
- ALARA Audit  
BERGE Jean-Wandrille, Flamanville NPP, France.
- Are we overdoing ALARA today?  
WEITZE H. Gösgen NPP, Switzerland.
- Conceptual basis and Status of ALARA implementation efforts in the Russian Federation  
GLAZOUNOV Vadim O. VNIIAES, Russia.

12:00 Exhibition closing  
12:00-13:00 Lunch  
13:00 Best Papers Awards  
13:15 Bus Departure for the Visit to Barsebäck NPP  
18:00 Return at the Scandic Hotel



---

## POSTERS (Last Call)

A Poster Exhibition will take place simultaneously with the Workshop conferences. It remains possible to propose your contributions until the end of July 1998.

A short paper (3 pages as a maximum) should illustrate the poster. It will be published in the Proceedings.

---

## AUTHORS

Authors will be individually informed by the Programme Committee on the details concerning their writing papers. The papers must be received by 31st July 1998.

---

## COMMERCIAL EXHIBITION

A Commercial Exhibition will take place simultaneously with the Workshop conferences. Some exhibition spaces are still available and registrations are accepted until the end of July 1998.

The price for a 10 sq.meter exhibition space is 6000 FF.

---

## INFORMATION

Please, contact the Organizing Committee:

P. Croüail, L. d'Ascenzo  
ISOE ERTC, CEPN  
BP48 - 92263 Fontenay aux Roses Cedex  
FRANCE  
Tel. +33 1 46 54 74 67  
Fax +33 1 40 84 90 34  
Email: [isoe@cepn.asso.fr](mailto:isoe@cepn.asso.fr)

1st EC-ISOE WORKSHOP: OCCUPATIONAL EXPOSURE MANAGEMENT AT NPPs  
INDIVIDUAL REGISTRATION FORM

To be completed and returned to CEPN, BP 48, F-92263 Fontenay-aux-Roses before 31st July 98

Family name \_\_\_\_\_  
First name \_\_\_\_\_  
Organisation \_\_\_\_\_  
Mailing address \_\_\_\_\_  
Zip code \_\_\_\_\_ City \_\_\_\_\_ Country \_\_\_\_\_  
Business Phone \_\_\_\_\_ FAX \_\_\_\_\_ E-Mail \_\_\_\_\_

PARTICIPANT

Registration Fee 2500 FF without VAT  
(includes: 3 lunches, the conference dinner, visit to Barsebäck NPP, proceedings)

Do you intend to visit Barsebäck NPP ?  YES  NO

EXHIBITOR

3 Lunches 400 FF\* without VAT

Conference Dinner 450 FF\* without VAT

\*(only if registration fee as a participant is not paid)

Do you intend to visit Barsebäck NPP ?  YES  NO

ACCOMPANYING PERSON(S)

Conference Dinner 450 FF without VAT

x \_\_\_ Number of accompanying persons

Do you intend to visit Barsebäck NPP ?  YES  NO

Name(s) \_\_\_\_\_

TOTAL (French Francs)

The payment of the fee must be done in French Francs by credit transfert into our banking account at the following address:

Banque Nationale de Paris, 1 avenue J. et M. Dolivet, F-92260 Fontenay aux Roses

CEPN Account No. 30004-00140-00021059776-61

SWIFT Address: BNP AFRPPVLZ

without any charges for beneficiary account

An invoice will be sent as soon as the registration form is received.

Date:

Signature:

## DETAILED INFORMATION

### Hotel Accomodation

Rooms pre-reservations are made by the Organizing Committee at the Scandic Hotel where the conference will take place. The Scandic Hotel has offered a lower price for all participants to the Workshop:

890 SEK / night-person including breakfast (from the 15th to 17th September)

Supplementary night: 1285 SEK including breakfast

Please note that you have to book your room by yourself before 21st August at the following address:

SCANDIC HOTEL TRIANGELN

« 1st EC-ISOE Workshop on Occupational Exposure Management at NPPs »

Triangeln 2, Box 17116, S-20010 MALMÖ

Phone Number: +46 40 667 40 18 (Mrs Anna Sundholm, Conference Manager)

Telefax: +46 40 23 20 20

### Cancellation

Cancellations must be received in writing by 21st August. Prior to this date, cancellations will be subject to an administration charge of 500 FF.

Thursday afternoon will be devoted to discussions in small groups. In order to help us in organizing the groups, could you please indicate your level in English:

Fluent

Medium

Low

Can you select up to 4 topics that you would like to discuss during the work in small groups:

- Implementation of the European Directive 96-29
- Organization of radiological protection procedures (e.g. work permit,...)
- Man-Sievert (alpha) value (legal requirement, use, usefulness...)
- Electronic dosimetry (status, utilities vs. regulatory bodies points of view)
- Internal vs. external doses (management, recording system, assessment...)
- New devices allowing dose reduction
- Management efforts to achieve improvements in dose reduction
- Contamination incidents
- Others (specify):

THANK YOU FOR YOUR HELP.

Supported by

---



BARSEBÄCK Nuclear Power Plant

