

4th ISOE EUROPEAN WORKSHOP on OCCUPATIONAL EXPOSURE MANAGEMENT AT NPPs

Lyon, France,
24-26 March 2004



PROGRAMME

Organised and
sponsored by



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After the success of Malmö, Tarragona and Portoroz Workshops in 1998, 2000 and 2002, the International Atomic Energy Agency (IAEA), the OECD Nuclear Energy Agency (NEA) and the CEPN (the ISOE European Technical Centre) are jointly organising and sponsoring the fourth ISOE European Workshop on Occupational Exposure Management at Nuclear Power Plants. This workshop is targeted at radiation protection professionals (radiological protection managers and senior staff members) from all types of Nuclear Power Plants (NPPs), contractors and Radiological Protection Authorities.

The workshop will:

- provide a large forum for operators to exchange practical information and experience on occupational exposure issues at nuclear installations,
- allow vendors to present their recent products,
- give an opportunity to participate in plenary sessions, poster presentations, small group discussions and vendors exhibition.

Challenges for Radiological Protection such as radiological protection at the design stage of an installation, the evolution of the dosimetry devices and systems, optimisation tools and techniques, will be addressed during plenary sessions. Special attention will be given to the work in small groups which gave during the first three Workshops an opportunity for very fruitful international exchanges.

We will be glad to welcome the three distinguished presentations from the 2003 North American International Symposium and to select the best European presentations to be presented in the 2005 ALARA Symposium in Florida, USA.

Such events have proved, both in Europe and in America, that they are an important and efficient channels to improve the implementation of the ALARA principle. We are sure that this Workshop will confirm it again.

C. Lefaure
Deputy Director
ISOE ETC - CEPN

PROGRAMME COMMITTEE

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Oskarshamn NPP, Sweden

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Paks NPP, Hungary

CONFERENCE LANGUAGE

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

PROGRAMME

Tuesday 23rd of March 2004

- 14:00 Installation of posters and commercial exhibition booths
- 15:00 Registration of participants
- 18:00 End

Wednesday 24th of March 2004

- 08:30 Registration of participants & Exhibition Opening
- 09:00 Conference Opening

Introductory Session

Chairman: A.-C. Lacoste (DGSNR, France)

- Presentation of the ISOE Working Group on ICRP
T. Lazo, NEA / C.-G. Lindvall, Barsebäck NPP, Sweden
- Results of epidemiological studies
M. Tirmarche, IRSN, France
- New radiation protection developments in the EU regulations
K. Schnuer, European Commission, Luxembourg
- Introduction of JNES in Japan
K. Komori, JNES, Japan

Session 1: Radiation Protection in the design and modification of installations

Chairman: C.-G. Lindvall (Barsebäck NPP, Sweden)

- Regulatory Requirements for Radiation Safety in the Design of a New Finnish NPP
K. Alm-Lytz, O. Vilkkamo, STUK, Finland
- The fifth nuclear power plant in Finland from the radiation protection point of view
J. Sovijärvi, TVO, Finland
- EPR a new challenge for nuclear
Y. Garcier, EDF, France

- Modernization of the Accident Localization System and Relevant Dose Exposure on Unit 4 of Kozloduy NPP
G. Valtchev, M. Neshkova, A. Nikolov, Kozloduy NPP, Bulgaria

12:30-14:00 Lunch

14:00-15:30 Work in Groups

Session 2: Dose trends and dispersion analysis

Chairman: K. Mrabit (IAEA)

- Multifactorial analysis of occupational outage doses dispersion in the French NPPs 1998-2002
C. Lefauve, L. d'Ascenzo, P. Crouail, CEPN, France / G. Cordier, J. Lebeau, A. Rocher, G. Machicoane, EDF, France
- The drastic reduction of collective dose at Almaraz NPP through source term reduction and associated workload reduction
D. Sustacha Duo, A. Leal, Almaraz NPP, Spain
- Occupational Radiation Protection at Swedish Nuclear Power Plants: Views on Present Status and Future Challenges
I. Lund, S. Erixon, T. Godås, P. Hofvander, L. Malmqvist, I. Thimgren, H. Ölander-Gür, SSI, Sweden
- Comparison of performance indicators of different types of reactors based on ISOE database
H. Janzekovic, M. Krizman, Slovenian Nuclear Safety Administration, Slovenia
- Highlights of EPRI Radiation Exposure Management Program
D. Hussey, EPRI, USA

18:00 Welcome Reception Buffet
Mairie de Lyon
Place de la Comédie, Hotel de Ville, 69001 Lyon

Thursday 25th of March 2004

08:30 Registration of participants & Exhibition Opening

Session 3: Evolution of dosimetry at NPPs

Chairman: S. Mundigl (NEA)

- Operational Experience using an Approved Electronic Dosimetry System within British Energy
T. Zodiates, British Energy, UK
- Official and Operational Dosimetry with Passive and Electronic Dosimeters in Germany
W. Wahl, S. Hübner, T. Maczka, GSF, Germany
- Passive dosimeters benchmarking
C. Pauron, EDF-DPN, France
- EVIDOS: Optimisation of Individual Monitoring in Mixed Neutron/Photon Fields at Workplaces of the Nuclear Fuel Cycle
M. Luszik-Bhadra, Physikalisch-Technische Bundesanstalt, Germany *et al.*
- Evolution and actual status of personal dosimetry in the Slovak NPPs
D. Viktory, National Public Health Institute of the Slovak Republic, Slovakia
- Radiation Risk Analysis of Tritium in PWR Nuclear Power Plant
M. Yang, Daya Bay NPP, China
- Management of tritium exposures for professionally exposed workers at Cernavoda 1 NPP
C. Chitu, I. Popescu, V. Simionov, Cernavoda NPP, Romania
- Evaluation of radiation fields at KANUPP by Steam Generator crud analysis
T. Tahir, Karachi Nuclear Power Plant (KANUPP), Pakistan

12:30-14:00 Lunch

14:00-15:00 Work in Groups

Session 4: ALARA implementation in nuclear installations

Chairman: Y. Garcier (EDF, France)

- Radiological Work Management Aspects influencing Dose Reduction at the Ignalina NPP during Outages and coming Decommissioning
G. Klevinskas, Radiation Protection Centre, Lithuania
- Optimisation of Radiation Protection at Bohunice NPP
L. Dobis, J. Svitek, J. Kaizer, Bohunice NPP, Slovakia
- Development of Working Methods used inside Reactor Pressure Vessel from the Radiation Protection Point of View
C. Solstrand, Oskarshamn NPP, Sweden
- ALARA versus Reactor Safety concern - a practical case
S. Hennigor, B. Ögren, Forsmark NPP, Sweden
- ALARA Implementation in Ukrainian NPPs
Y. Roshchyn, NNEGC "Energoatom", Ukraine / T. Lisova, Ministry of Fuel and Energy of Ukraine, Ukraine
- San Onofre Nuclear Generating Station unit 1 decommissioning, radiation exposure management and issues - *US distinguished paper*
E. M. Goldin, San Onofre Nuclear Generating Station, USA
- First Time Evolution ALARA Planning & Work Execution at Gentilly-2 Power Plant
J.-Y. Gagnon, Gentilly-2, Canada
- Recent International Developments on Contamination Limits on Packages
J. Hesse, RWE Power, Germany / B. Lorenz, GNS, Germany
- Radiological protection aspects of Transportation
B. Desnoyers, COGEMA LOGISTICS, France

18:30 Visit of the old Lyon City
 with guides speaking English, French and German
 (Departure: Vieux Lyon metro station)

21:00 Congress Dinner:
 Brasserie Georges, Lyon

Friday 26th of March 2004

08:30 Registration of participants & Exhibition Opening

Session 5: Optimisation tools and techniques

Chairman: J.Y. Gagnon (Gentilly 2 NPP, Canada)

- A corporate ALARA engineering support for all EDF sites. A major improvement: the generic work areas optimisation studies
A. Quiot, EDF UTO, France / J. Lebeau, EDF ALARA project, France
- Advantages of combining gamma scanning techniques and 3D dose simulation in dose optimisation problems
F. Vermeersch, SCK•CEN Mol, Belgium
- Control of occupational exposure when working within a reactor containment building at power
M. Lunn, Sizewell B NPP, British Energy, UK
- Ultrasonic fuel cleaning experience at South Texas Project - *US distinguished paper*
W. Bullard, South Texas Project, USA
- The effective use of Tungsten as a shielding material in Nuclear Applications - *US distinguished paper*
K. Ohr *et al*, Quad Cities NPP, USA
- Mitigation adverse radiological impacts of Steam Generator Replacement through source term reduction
D. Kozin, D.C. Cook NPP, USA

11:00-12:00 Report from the Discussion Groups
in Plenary Session

Chairman: C. Lefaire (ETC, France)

12:00-12:15 Distinguished Papers Awards
and Conference closing

Visit of Bugey NPP and Saint-Alban NPP:

Departure of the buses from the Congress Centre to the plants
(lunch at the arrival on site)

ISOE WORKSHOP VENUE

"Espace de la Tête d'Or" Congress Centre
103, boulevard de Stalingrad
69100 Lyon-Villeurbanne, FRANCE
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Web: <http://www.espacetetedor.com/>

Information about the Lyon city (transportation...) at:
<http://www.lyon-france.com/>

POSTERS (Last Call)

A Poster Exhibition will take place simultaneously with the Workshop conference. It remains possible to propose your contributions until the end of February 2004. A short paper 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 papers. The papers must be received by the 27th of February 2004.

COMMERCIAL BOOTHS

A technical exhibition will take place simultaneously with the Workshop conference. Coffee-breaks will be held in the exhibition area. Some exhibition spaces are still available and registrations are accepted until the end of February 2004.

INFORMATION

Please, contact the Organising Committee:

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