



INFORMATION SYSTEM ON OCCUPATIONAL EXPOSURE (ISOE)

INTERNATIONAL WORKSHOP ON

OCCUPATIONAL RADIATION PROTECTION IN SEVERE ACCIDENT MANAGEMENT

"SHARING PRACTICES AND EXPERIENCES"

**WASHINGTON DC, USA
17-18 JUNE 2014**

Co-sponsored by
OECD Nuclear Energy Agency (NEA)
International Atomic Energy Agency (IAEA)

Hosted by
Nuclear Energy Institute
(NEI)

WORKSHOP PROGRAMME
(FINAL)



TUESDAY, 17 June 2014

07:30 – 08:30 **SERVICE AREA OPEN**
Registration of the participants

08:30 **OPENING SESSION**

Session chaired by **Willie O.HARRIS - ISOE & Workshop Chair (Exelon Nuclear, US)**

08:35_{/0.01} **NEA WELCOME AND REMARKS**
Kazuo SHIMOMURA, NEA Deputy Director

08:45_{/0.02} **IAEA WELCOME AND REMARKS**
Pil-Soo HAHN, IAEA NSRW Director

08:55_{/0.03} **NEI WELCOME AND REMARKS**
Ralph ANDERSEN, NEI Senior Director

09:05_{/0.04} **ISOE WORKSHOP BACKGROUND, OBJECTIVES, SCOPE, GOALS & LOGISTICS**
Ellen P. ANDERSON, NEI – EGSAM Chairperson

Plenary Session 1 **GLOBAL VIEW ON OCCUPATIONAL RADIATION PROTECTION IN SEVERE ACCIDENT MANAGEMENT**

09: 20 Session chaired by **Kazuo SHIMOMURA (NEA)**

09:25_{/1.01} **ICRP RECOMMENDATIONS FOR OCCUPATIONAL RADIATION PROTECTION IN AN EMERGENCY**
Donald COOL (*USNRC, US*)- *ICRP Committee 4*

09:45_{/1.02} **PROTECTION OF EMERGENCY WORKERS AND HELPERS: RECENT DEVELOPMENTS IN INTERNATIONAL STANDARDS IN EMERGENCY PREPAREDNESS AND RESPONSE**
Svetlana NESTOROSKA MADJUNAROVA (*IAEA IEC*)

10:05_{/1.03} **CNSC RESPONSE TO FUKUSHIMA AND ENHANCEMENTS TO THE REGULATORY FRAMEWORK FOR THE PROTECTION OF WORKERS**
Terry JAMIESON (*CNSC, Canada*)

10:25_{/1.04} **LESSONS LEARNED FROM TMI AND HOW IT CHANGED THE REGULATORY FRAMEWORK IN THE US**
Roger PEDERSEN (*USNRC, US*)

10:45 **Networking Break**

Plenary Session 2 ISOE EXPERT GROUP INTERIM REPORT

- 11: 15** Session chaired by **Ellen P. Anderson (NEI), EG-SAM Chair**
- 11:20**_{/2.01} **RADIATION PROTECTION MANAGEMENT AND ORGANISATION**
Willie O. HARRIS (*Exelon Nuclear, US*)
- 11:30**_{/2.02} **RADIATION PROTECTION TRAINING AND EXERCISES RELATED TO SEVERE ACCIDENT MANAGEMENT**
Salah DJEFFAL (*CNSC, Canada*) - EGSAM Vice-Chair
- 11:40**_{/2.03} **FACILITY CONFIGURATION AND READINESS**
James P. TARZIA (*RSCS, US*)
- 11:50**_{/2.04} **OVERALL APPROACH ON THE PROTECTION OF WORKERS**
Claudia SCHMIDT (*GRS, Germany*)
- 12:00**_{/2.05} **MONITORING AND MANAGING THE RADIOACTIVE MATERIALS RELEASES AND CONTAMINATION**
Karin FRITIOFF (*Vattenfall AB, Sweden*)
- 12:10**_{/2.06} **KEY LESSONS LEARNED FROM PAST ACCIDENTS**
Caroline SCHIEBER (*CEPN, France*)

12:30 *Lunch Break*

Plenary Session 3 EXPERIENCES, VIEWS AND APPROACHES – UTILITY PERSPECTIVES

- 13: 30** Session chaired by **Caroline SCHIEBER (CEPN)**
- 13:35**_{/3.01} **RADIATION PROTECTION MANAGEMENT IN FUKUSHIMA DAIICHI NPS AND POST-ACCIDENT MEASURES**
Shiro TAKAHIRA (*TEPCO, Japan*)
- 13:55**_{/3.02} **POST-FUKUSHIMA IMPROVEMENT OF THE EMERGENCY PLAN FOR THE ELECTRABEL NUCLEAR POWER PLANTS – FOCUS ON THE RADIOLOGICAL ASPECT**
Benoit LANCE (*Electrabel, Belgium*)
- 14:15**_{/3.03} **EDF FARN (FAST ACTION FORCE IN CASE OF NUCLEAR ACCIDENT) - FOCUS ON RADIATION PROTECTION OF WORKERS**
Bernard LE GUEN (*EDF, France*)
- 14:35**_{/3.04} **SEVERE ACCIDENT MANAGEMENT: RADIATION DOSE CONTROL, FUKUSHIMA DAIICHI AND TMI-2 NUCLEAR PLANT ACCIDENTS**
Roger SHAW (*Shaw Partners LLC, US*)
- 14:55**_{/3.05} **ONTARIO POWER GENERATION FUKUSHIMA EMERGENCY RESPONSE DRILL STRENGTHENS AND LESSONS LEARNED**
David MILLER (*NATC, Cook NPP, US*) - EGSAM Vice-Chair

15:30 *Networking Break*



16:00 – 17:30

BREAKOUT SESSIONS

BREAKOUT SESSION 1: RADIATION PROTECTION MANAGEMENT AND ORGANISATION

Rapporteur: David MILLER (*Cook NPP, US*) - EGSAM Vice-Chair

Co-Rapporteur: Ellen ANDERSON (*NEI, US*)

BREAKOUT SESSION 2: RADIATION PROTECTION TRAINING AND EXERCISES RELATED TO SEVERE ACCIDENT MANAGEMENT

Rapporteur: Albert WILEY (*ORAU, REAC/TS, US*)

Co-Rapporteur: Derek HAGEMEYER (*ORAU, US*)

BREAKOUT SESSION 3: FACILITY CONFIGURATION AND READINESS

Rapporteur: James P. TARZIA (*RSCS, US*)

Co-Rapporteur: Terry BROCK (*NRC, US*)

17:30

Closure of 1st day

WEDNESDAY, 18 June 2014

Plenary Session 4 VIEWS AND APPROACHES – REGULATORY AUTHORITY PERSPECTIVES

- 08:30** Session chaired by Marie-Line PERRIN (ASN)
- 08:35**_{/4.01} **CNSC EOC TECHNICAL ASSESSMENT AND EVALUATION INITIATIVES**
Christopher COLE (*CNSC, Canada*)
- 08:55**_{/4.02} **FRENCH REGULATORY REQUIREMENTS FOR THE OCCUPATIONAL RADIATION PROTECTION IN SEVERE ACCIDENT SITUATIONS AND POST ACCIDENT RECOVERY**
Olivier COUASNON (*ASN, France*)
- 09:15**_{/4.03} **SEVERE ACCIDENT MANAGEMENT GUIDELINES**
Jennifer UHLE (*NRC, US*)
- 09:35**_{/4.04} **RADIATION PROTECTION ISSUES RAISED IN KOREA SINCE FUKUSHIMA ACCIDENT**
Byeongsoo KIM (*KINS, Republic of Korea*)
- 09:55**_{/4.05} **FINNISH EXPERIENCE ON EMERGENCY PREPAREDNESS CO-OPERATION WORK AND RESULTS**
Jukka SOVIJARVI (*STUK, Finland*) - EGSAM Vice-Chair

10:30 *Networking Break*

11:00 – 12:30 BREAKOUT SESSIONS (Cont'd)

BREAKOUT SESSION 4: OVERALL APPROACH ON THE PROTECTION OF WORKERS

Rapporteur: Rick DOTY (*NATC, US*)

Co-Rapporteur: Jerry HIATT (*NEI, US*)

BREAKOUT SESSION 5: MONITORING AND MANAGING THE RADIOACTIVE MATERIALS RELEASES AND CONTAMINATION

Rapporteur: Karin FRITIOFF (*Vattenfall AB, Sweden*)

Co-Rapporteur: Caroline SCHIEBER (*CEPN, France*)

12:30 *Lunch Break*



Plenary Session 5 BREAKOUT SESSIONS SUMMARY REPORTS

13:30 Session chaired by **H. Burçin OKYAR (NEA)**

13:35_{/5.01} **Breakout session 1 Report**
David MILLER (*Cook NPP, US*)

13:55_{/5.02} **Breakout session 2 Report**
Albert WILEY (*ORAU, US*)

14:15_{/5.03} **Breakout session 3 Report**
James P. TARZIA (*RSCS, US*)

14:35_{/5.04} **Breakout session 4 Report**
Rick DOTY (*NATC, US*)

14:55_{/5.05} **Breakout session 5 Report**
Karin FRITIOFF (*Vattenfall AB, Sweden*)

15:30 **Networking Break**

16:00 CONCLUDING SESSION

Session chaired by **Ellen P. ANDERSON (NEI), EG-SAM Chair** and co-chaired by **Patricia JONES (Exelon Corp)**

16:05 DIRECTION FORWARD FOR THE FINALIZATION OF THE EXPERT GROUP REPORT
H. Burçin OKYAR (*NEA*)

16:25 OPEN DISCUSSION, COMMENTS AND RECOMMENDATIONS

17:30 Closure of the Workshop