



29th Plenary meeting (disystem)
just enlarged.

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European Working Group
"Hot Laboratories and Remote Handling"

Plenary Meeting
May 14-15, 1996
ECN Petten
Westerduinweg 3, 1755 LE PETTEN
The Netherlands

PROGRAMME

Tuesday, May 14, Morning Session - chairman Mr. K.A. Duijves

1. "PIE techniques and examinations related to fuel"

9.00 Opening by prof.dr.ir. H.H. van den Kroonenberg, General Managing Director of ECN

9.15 Introduction of ECN through slides

9.30 1.1 ECN Petten, The Netherlands - G. DASSEL*
* Verification of non-destructive techniques by destructive methods.

9.55 1.2 Centre de Cadarache, France - R. MARSOL*, S. PIERRISNARD - Leveque -
* MEGAFOX, metrology installation for PWR fuel rods.

10.20 (1.3) Centre de Saclay, France - G.M. DECROIX*, P. BOTTIN, O. RABOUILLE, L. BELIN
* Hot cell implementation and some applications of a SEM equipped with a WDS, a heating object-holder and back-scattered electrons system.

10.45 Coffee break

11.15 (1.4) AEA Windscale, UK - R.A. GOMME / Morgan*
* The characterisation of the thermal properties of high burn-up fuel.

11.40 1.5 CEE-TUI Karlsruhe, Germany - J. SPINO, P. WERNER - Toranzo* / Coquerelle
* A micro-indentation technique for the determination of the elasto-plastic properties of irradiated fuel.

12.05 (1.6) Centre of Dimitrovgrad, Russia - V. GOLOVANOV, I. GOLOVTCHENKO*
* Research methodology and equipment for study of properties (irradiated fuel).

12.30 Luncheon

Tuesday, May 14, Afternoon Session - chairman Mr. M. Stucke

2. "Mechanical testing of structural components" (fuel rods and reactor internals)

- 14.00 2.1 Paul Scherrer Institute, Switzerland - H. BRUCHERTSEIFER
* Russian RBMK nuclear power reactor: pressure tube failure investigations.
- 14.25 (2.2) AEA Windscale, UK - J.G. GRAVENOR / Morgan*
* The mechanical testing of irradiated fuel cladding and/or reactor components.
- 14.50 (2.3) Studsvik Nuclear, Sweden - B. JOSEFSSON, V. GRIORIEV
* Modified ring tensile test technique and a fracture toughness method for irradiated cladding.

15.15 Coffee break

- 15.40 (2.4) CEE-TUI Karlsruhe, Germany - E. TOSCANO*, H. KOSTECKA
* Creep measurement techniques on Zr-y cladding of high burn-up UO₂ fuel rods.
- 16.05 (2.5) SCK-CEN Mol, Belgium - A. FABRY, E. VAN WALLE, R. GÉRARD, J. VAN DE VELDE*,
R. CHAOUADI, T. VAN RANSBEECK, J.L. PUZZOLANTE
* Enhanced surveillance of RPV steels.

3. "Decontamination, refurbishment, decommissioning and safety aspects of hot cells and equipment".

- 16.30 (3.1) KFA Jülich, Germany - G. POTT, H.J. BÜCKER, H. WETZEL
* Planning and first results of the decommissioning of the KFA lab BZL.
- 16.55 (3.2) AEA Windscale, UK - B.C. EDWARDS, R. WILLIAMSON, N. BEATHAM, H.G. MORGAN,
M.S. STUCKE
* Integrated PIE strategy within AEA Technology R. Currie
- 17.15 (3.3) Centre de Fontenay-aux-Roses, France - G. BRÜHL, J. CORBIÈRE, J.C.L. LABORDE,
J. VENDEL
* Assessment of the efficiency of personal protective equipment for use in radio-active environment. Recent IPSN contribution.
- 17.45 (3.4) Centre of Dimitrovgrad, Russia - V. GOLOVANOV, V. DVORETSKY / Golovtchenko
* The engineering maintenance of irradiated fuel investigation.

18.10 Apéritif

19.00 Buffet

Wednesday, May 15, Morning Session - chairman Mr. J. Van de Velde

4. Special Techniques

- 9.00 4.1 SCK-CEN Mol, Belgium - M. VERWERFT*, S. VAN WINCKEL, J. VAN DE VELDE,
L. VANDEVELDE
* Electron Probe Micro-Analysis and Laser Ablation inductively coupled Mass Spectrometry: a comparative study.

5. Hot Laboratories

- 9.25 (5.1) Studsvik Nuclear, Sweden - G. LYSELL, K. MALÉN*, A. HOLMÉR
Overview of the Studsvik Hot Cell Laboratory activities.

- 9.50 (5.2) ECN Petten, The Netherlands - G.L. TJOA
*
Materials testing facilities at Petten - recent developments.

10.15 Coffee break

- 10.45 (5.3) Kjeller Hot Laboratories, Norway - B.C. OBERLÄNDER*, H.K. JENSSEN
*
PIE techniques and examinations applied at the hot laboratories at Kjeller.

- 11.05 (5.4) VTT, Finland - M. VALO*
*
Facilities for testing radioactive materials.

- 11.30 (5.5) Institute of Atomic Energy, Poland - E. HAJEWSKA, W. SZTEKE, T. WAGUEV
*
Facilities for testing radioactive materials in RML.

- 11.55 5.6 Kurchatov Institute, Russia - YA.I. SHTROMBAKH
*
Hot cell laboratory PIE techniques and activities.

12.30 Luncheon

Wednesday, May 15, Afternoon Session

14.00 Visit to the ECN Hot Cell Laboratory (the visit to the EU High Flux Reactor had to be cancelled).

16.00 Transfer to Schiphol Airport Amsterdam