

CONTENTS

NUSS OBJECTIVES AND RESULTS (Session I)

What next for NUSS? (IAEA-SM-275/57)	3
<i>M. Rosen, E. Iansiti</i>	
NUSS safety standards: a critical assessment (IAEA-SM-275/36)	11
<i>R.B. Minogue</i>	
The role of NUSS codes and guides in a small country (IAEA-SM-275/8)	21
<i>A.P.U. Vuorinen, J.J. Marttila</i>	
NUSS and legal regulations for nuclear power plants in Hungary (IAEA-SM-275/14)	35
<i>P. Nyerges, Z. Szönyi, I. Czoch</i>	
Application of the NUSS codes and guides in the Netherlands (IAEA-SM-275/13)	45
<i>P.J. de Munk, C.J. van Daatselaar</i>	
НОРМИРОВАНИЕ БЕЗОПАСНОСТИ АТОМНЫХ СТАНЦИЙ В СССР (IAEA-SM-275/62)	55
<i>A.Н. Исаев</i>	
<i>(Safety standards for nuclear plants in the USSR: A.N. Isaev)</i>	
Co-operative development of nuclear safety regulations, guides and standards based on NUSS (IAEA-SM-275/46)	63
<i>J. Pachner, F.C. Boyd, E.M. Yaremy</i>	
Panel: The NUSS approach in the context of the development of nuclear safety	79

CONDUCT OF REGULATORY INSPECTION AND ENFORCEMENT (Session II)

NUSS recommendations on regulatory organization and on inspection and enforcement by a regulatory body (IAEA-SM-275/52)	87
<i>J.V. Jeffery</i>	
Les pratiques réglementaires françaises dans l'inspection des installations nucléaires (IAEA-SM-275/2)	97
<i>M.J. Lavérie</i>	
Inspection system for siting, construction, commissioning and operation of nuclear power plants in the Federal Republic of Germany (IAEA-SM-275/26)	111
<i>S. Wiesner, K. Hofmann</i>	
Current status of nuclear safety examination in Japan (IAEA-SM-275/17) ...	121
<i>H. Uchida</i>	

Experiencia adquirida en el examen e inspección de las condiciones de seguridad de las instalaciones nucleares en la Argentina (IAEA-SM-275/10)	131
<i>G. Nowotny, P. Sajaroff</i>	

PROBABILISTIC SAFETY EVALUATION (Session III)

Probabilistic methods used in NUSS (IAEA-SM-275/58)	145
<i>J. Fischer, P. Giuliani</i>	
A decade of probabilistic risk assessment experience in the USA – what has been achieved (IAEA-SM-275/38)	155
<i>E. Preston Rahe, Jr., D.C. Richardson</i>	
Aspects of probabilistic risk assessment for nuclear safety in the Federal Republic of Germany (IAEA-SM-275/54)	161
<i>P.A. Gottschalk, F.W. Heuser</i>	
Use of quantitative safety goals and probabilistic risk assessment in regulatory decision-making (IAEA-SM-275/40)	175
<i>E.P. O'Donnell</i>	
L'utilisation de méthodes probabilistes pour l'évaluation de la sûreté des REP construits en France (IAEA-SM-275/5)	185
<i>D. Quéniart, J. Brisbois, J.-M. Lanore</i>	
Probabilistic assessment methods as a tool for Developing Nations to make safety decisions (IAEA-SM-275/15)	199
<i>P. Gumley, S.V. Inamdar</i>	
Probabilistic safety evaluation in Czechoslovakia (IAEA-SM-275/28)	217
<i>J. Dušek, K. Dach</i>	
Promising areas of application of probabilistic safety assessment in Brazil (IAEA-SM-275/49)	229
<i>L. Lederman</i>	
Análisis probabilístico de riesgos y su papel en materia de reglamentación en un país en desarrollo (IAEA-SM-275/42)	239
<i>C. Arredondo-Sánchez</i>	

CONDUCT OF THE SAFETY REVIEW AND ASSESSMENT OF DESIGN (Session IV)

Content and philosophy of NUSS design documents (IAEA-SM-275/53)	249
<i>P.R. Dastidar</i>	
Review of the safety analysis report on nuclear power plants in Brazil (IAEA-SM-275/11)	259
<i>D.E. Silva, J.R. Costa</i>	

Probabilistic risk assessment applications in nuclear plant design with diverse regulatory criteria (IAEA-SM-275/37)	269
<i>D.C. Richardson, K.J. Vavrek</i>	
New classification of safety functions for LWR design assessment in Japan (IAEA-SM-275/18)	279
<i>S. Suguri, K. Sato</i>	
Transferts de technologie associés à l'analyse de sûreté des réacteurs français exportés (IAEA-SM-275/1)	287
<i>J. Lalère, Ph. Lebouleux</i>	
Comparison of the General Electric BWR/6 standard plant design to the IAEA NUSS codes and guides (IAEA-SM-275/41)	299
<i>W.H. D'Ardenne, G.G. Sherwood</i>	
Should safety assessments consider low-probability high-consequence events? (IAEA-SM-275/60)	311
<i>K.H. Lindackers</i>	
Panel: Should safety assessment consider events beyond design basis?	323

ACCIDENT CONSEQUENCES AND EMERGENCY PLANNING (Session V)

Site selection with a view to emergency preparedness and population distribution (IAEA-SM-275/29)	327
<i>Z. Kříž</i>	
Radiological aspects of site selection for nuclear power plants (IAEA-SM-275/43)	341
<i>W.S. Gronow, G.N. Kelly</i>	
Influence of new accident scenarios on emergency planning in Switzerland (IAEA-SM-275/48)	355
<i>M. Baggenstos, H.P. Isaak</i>	
L'évaluation des conséquences des accidents sévères et son utilisation dans différents domaines de la sûreté nucléaire (IAEA-SM-275/4)	369
<i>D. Manesse</i>	
Aplicación de conceptos contenidos en el programa NUSS en la elaboración del plan de emergencia para la central nuclear Embalse (IAEA-SM-275/63)	381
<i>H. Cotik, A. Kogan</i>	
An update on the source term prediction methodology (IAEA-SM-275/59)	391
<i>M. Jankowski, C. Almeida</i>	
The current situation as regards source terms (IAEA-SM-275/34)	405
<i>A. Cavaco, E. Della Loggia</i>	

REGULATORY INSPECTION OF QUALITY ASSURANCE ACTIVITIES (Session VI)

Interrelation of requirements for quality assurance and for regulatory inspection in NUSS documents (IAEA-SM-275/61)	423
<i>N. Raišić, W. Dabek</i>	
Recent USNRC actions to improve power plant construction quality assurance and their implications on NUSS quality assurance documents (IAEA-SM-275/31)	435
<i>W.M. Morrison</i>	
Rôles de l'exploitant et des organismes de sûreté dans le domaine de la qualité pour les centrales nucléaires (IAEA-SM-275/6)	443
<i>M. Widmer, J. Perrot</i>	
Current status of quality assurance guideline for nuclear power plants in Japan (IAEA-SM-275/21)	453
<i>Y. Ando, J. Nomoto, K. Aikawa, H. Nagoshi</i>	
Development of quality assurance guidelines for nuclear power plants in Brazil (IAEA-SM-275/30)	459
<i>W. Pollis, R. Pollis</i>	
Experience in the application of the IAEA QA Code and Guides to the manufacture of nuclear reactor components (IAEA-SM-275/24)	471
<i>N.G. Dutta, M.A. Mankame, P.G. Kulkarni, R. Vijayaraghavan, K. Balaramamoorthy</i>	
Experience in the application of NUSS and Canadian quality assurance standards for overseas CANDU projects (IAEA-SM-275/45)	487
<i>R.B.V. Simmons, R.T. Popple, R.A. Thomas</i>	

SAFE OPERATION OF NUCLEAR POWER PLANTS (Session VII)

Recommendations of the NUSS programme to achieve safe operation (IAEA-SM-275/51)	499
<i>A. Bertini</i>	
The safe operation of nuclear power plants in Czechoslovakia in the light of the NUSS recommendations (IAEA-SM-275/35)	509
<i>V. Polák, J. Suchomel, J. Škrabal</i>	
Ensuring safe operation at the Loviisa nuclear power plant (IAEA-SM-275/7)	519
<i>B. Regnell</i>	
Striving for excellence in nuclear plant safety and reliability (IAEA-SM-275/39)	533
<i>P.M. Beard</i>	

Review of operational experience and safety-related events in Sweden (IAEA-SM-275/55)	539
<i>B.-G.K. Olofsson</i>	
Application of NUSS safety guides to a 200 MW(e) pressurized heavy- water reactor (IAEA-SM-275/32)	559
<i>V.K. Mehra, G. Chakraborty, D.K. Gangwal, R.B. Grover, S.K. Mehta, A.K. Babar</i>	
Maintenance-servicing in a nuclear power plant (IAEA-SM-275/12)	569
<i>V. Hoensch</i>	

EXTREME EXTERNAL EVENTS (Session VIII)

The guideline and practical procedures for earthquake-resistant design of nuclear power plants in Japan (IAEA-SM-275/22)	577
<i>M. Watabe</i>	
A review of the NUSS position on extreme external events (IAEA-SM-275/23)	595
<i>G. Baumgartner, B. Rast</i>	
Application of NUSS siting guidelines for nuclear power plants in India (IAEA-SM-275/25)	613
<i>S.D. Soman, T.P. Sarma, S. Krishnan</i>	
Prise en compte des événements externes extrêmes d'origine naturelle ou humaine dans la conception et l'analyse de sûreté des réacteurs nucléaires en France (IAEA-SM-275/3)	627
<i>A. Doumenc</i>	
Pratique utilisée en France en matières d'analyse du risque sismique et travaux de recherche associés (IAEA-SM-275/56)	639
<i>B. Mohammadioun</i>	
A user's point of view regarding the implementation of IAEA Safety Guide 50-SG-S2 as a regulatory guide (IAEA-SM-275/47)	653
<i>A. Gürpınar</i>	
Probabilistic assessment of external man-induced events in the siting of nuclear power plants in Yugoslavia (IAEA-SM-275/50)	661
<i>J. Karuza</i>	

INTERFACE ASPECTS OF NUSS (Session IX)

Experience with nuclear safety standards development in non-governmental international organizations (IAEA-SM-275/27)	671
<i>K. Becker</i>	

KTA safety standards: the nuclear safety standards in the Federal Republic of Germany (IAEA-SM-275/9)	685
<i>G. Philip, W. Schwarzer</i>	
Panel: Future development of the NUSS programme.....	699
Chairmen of Sessions	705
Secretariat of the Symposium	705
List of Participants	707
Author Index	717