

PUBLICATIONS ISSUED IN 2000

Nuclear Power

- Analysis phase of systematic approach to training (SAT) for nuclear plant personnel — IAEA-TECDOC-1170
- Desalination Economic Evaluation Program (DEEP) (user's manual) — Computer Manual Series No. 14
- Economic evaluation of bids for nuclear power plants — Technical Reports Series No. 396
- Effective handling of software anomalies in computer based systems at nuclear power plants — IAEA-TECDOC-1140
- Examining the economics of seawater desalination using the DEEP code — IAEA-TECDOC-1186
- Experimental tests and qualification of analytical methods to address thermohydraulic phenomena in advanced water cooled reactors — IAEA-TECDOC-1149
- Guidance for preparing user requirements documents for small and medium reactors and their application — IAEA-TECDOC-1167
- Heat transport and afterheat removal for gas cooled reactors under accident conditions — IAEA-TECDOC-1163
- Irradiation damage in graphite due to fast neutrons in fission and fusion systems — IAEA-TECDOC-1154
- LMFR core thermohydraulics: status and prospects — IAEA-TECDOC-1157
- Management of ageing of instrumentation and control equipment in nuclear power plants — IAEA-TECDOC-1147
- Nuclear power reactors in the world – Reference Data Series No. 2
- Quality assurance for software important to safety — Technical Reports Series No. 397
- Quality assurance standards comparison between IAEA 50-C/SG-Q and ISO 9001:1994 — IAEA-TECDOC-1182
- Small power and heat generation systems on the basis of propulsion and innovative reactor technologies — IAEA-TECDOC-1172
- Status of non-electric nuclear heat applications: technology and safety — IAEA-TECDOC-1184
- Technologies for improving current and future light water reactor operation and maintenance: Development on the basis of experience — IAEA-TECDOC-1175
- Thorium based fuel options for the generation of electricity: developments in the 1990s — IAEA-TECDOC-1155
- Transient and accident analysis of a BN-800 type LMFR with near zero void effect — IAEA-TECDOC-1139
- Unusual occurrences during LMFR operation — IAEA-TECDOC-1180

Nuclear Fuel Cycle and Waste Technology

- Advanced methods of process/quality control in nuclear reactor fuel manufacture — IAEA-TECDOC-1166
- Control assembly materials for water reactors: Experience, performance and perspectives — IAEA-TECDOC-1132
- Decommissioning of WWER type nuclear power plants — IAEA-TECDOC-1133
- Extrapolation of short term observations to time periods relevant to the isolation of long lived radioactive waste — IAEA-TECDOC-1177
- Fuel chemistry and pellet-clad interaction related to high burnup fuel — IAEA-TECDOC-1179
- Handling, conditioning and storage of spent sealed radioactive sources — IAEA-TECDOC-1145
- Inspection and verification of waste packages for near surface disposal — IAEA-TECDOC-1129
- Iodine induced stress corrosion cracking of Zircaloy fuel cladding materials — IAEA-TECDOC-1185
- Management of radioactive waste from the use of radionuclides in medicine — IAEA-TECDOC-1183
- Methods of exploitation of different types of uranium deposits — IAEA-TECDOC-1174
- MOX fuel cycle technologies for medium and long term deployment — C&S Papers Series CSP-3/P
- Recycle and reuse of materials and components from waste streams of nuclear fuel cycle facilities — IAEA-TECDOC-1130
- Site characterization techniques used in environmental restoration activities — IAEA-TECDOC-1148
- Uranium 1999: Resources, production and demand (jointly with OECD/NEA)
- Waste management database profiles, No. 3 (CD-ROM)
- Waste management research abstracts, Vol. 25 (CD-ROM)

Comparative Assessment of Energy Sources

- DECADES tools user's manual for Version 1.0 — IAEA DECADES Project Document No. 3
- Energy, electricity and nuclear power — C&S Papers Series P-5/P
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Enhanced electricity system analysis for decision making: A Reference Book — IAEA DECADES Project Document No. 4

Food and Agriculture

Animal production and health newsletter, Nos 31 and 32

Comparison of soil water measurement using the neutron scattering, time domain reflectometry and capacitance methods — IAEA-TECDOC-1137

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Insect and pest control newsletter, Nos 55 and 56

Irradiation of fish, shellfish and frog legs — A compilation of technical data for authorization and control — IAEA-TECDOC-1158

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Soil and water management and crop nutrition newsletter, Vol. 23, Nos 1 and 2

Human Health

Dosimetry for radiation processing — IAEA-TECDOC-1156

SSDL newsletter, Nos 42, 43

Use of nuclear and related analytical techniques in environmental research as exemplified by selected air pollution studies — IAEA-TECDOC-1152

Validation of data and methods recommended in the international Code of Practice for dosimetry, IAEA Technical Reports Series No 381, use of plane parallel ionization chambers in high energy electron and photon beams — IAEA-TECDOC-1173

Marine Environment, Water Resources and Industry

Emerging new applications of nucleonic control systems in industry — IAEA-TECDOC-1142

Global marine radioactivity database — IAEA-TECDOC-1146

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Radiation processing of flue gases: Guidelines for feasibility studies — IAEA-TECDOC-1189

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Report on the intercomparison run and certified reference material IAEA-381: Radionuclides in Irish Sea water — IAEA/MEL/66

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Bulletin on atomic and molecular data for fusion, Nos 58, 59

CINDA 99 (1988–1999) — Annual publication.

Development of a database for prompt gamma ray neutron activation analysis — INDC(NDS)-411

Handbook on photonuclear data for application cross-sections and spectra — IAEA-TECDOC-1178

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IAEA international database on irradiated nuclear graphite properties — INDC(NDS)-413

IAEA Technical Committee Meeting: 12th meeting of the IFRC subcommittee on atomic and molecular data for fusion — INDC(NDS)-420

Inertial fusion energy research — IAEA-TECDOC-1136

Instrumentation for PIXE and RBS — IAEA-TECDOC-1190

ITER Council Proceedings: 1999 — ITER EDA Documentation Series No. 17
ITER EDA newsletter
ITER FEAT Outline Design Report — ITER EDA Documentation Series No. 19
Measurement, calculation and evaluation of photon production data — INDC(NDS)-412
Nuclear data newsletter, Nos 29, 30
Nuclear Fusion
Nuclear Fusion — Yokohama special issue 3
Nuclear model parameter testing for nuclear data evaluation (reference input parameter library: phase II) — INDC(NDS)-416
Report of the IAEA Advisory Group Meeting on network of nuclear reaction data centres — INDC(NDS)-418
Report of the IAEA Nuclear Data Section to the International Nuclear Data Committee for the period January–December 1999 — INDC(NDS)-414
Research reactor utilization, safety and management — C&S Papers Series, CD-ROM
Research reactors of the world — Reference Data Series No. 3
Steady state operation of tokamaks — IAEA-TECDOC-1160
Summary report of the third Research Co-ordination meeting on compilation and evaluation of photonuclear data for applications — INDC(NDS)-409
Summary report on the first regional workshop on online access to nuclear data — INDC(NDS)-417
Update of X and gamma ray decay data standards for detector calibration and other applications — INDC(NDS)-415
Uses of accelerator based neutron sources — IAEA-TECDOC-1153
Workshop on advanced nuclear data online services — INDC(NDS)-419
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Nuclear Safety

Advances in safety related maintenance — IAEA-TECDOC-1138
Assessment and management of ageing of major nuclear power plant components important to safety: Metal components of BWR containment systems — IAEA-TECDOC-1181
Assessment and management of ageing of major nuclear power plant components important to safety: In-containment instrumentation and control cables, volume I — IAEA-TECDOC-1188 VOL 1
Assessment and management of ageing of major nuclear power plant components important to safety: In-containment instrumentation and control cables, volume II — IAEA-TECDOC-1188 VOL 2
Benchmark study for the seismic analysis and testing of WWER type NPPs — IAEA-TECDOC-1176
ESRS guidelines for software safety reviews — IAEA Services Series No. 6
Fire safety in the operation of nuclear power plants — Safety Standards Series NS-G-2.1
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Operational limits and conditions and operating procedures for nuclear power plants — Safety Standards Series NS-G-2.2
Operational safety performance indicators for nuclear power plants — IAEA-TECDOC-1141
Primary to secondary leaks in WWER nuclear power plants — IAEA-EBP-WWER No. 13
Probabilistic safety assessments of nuclear power plants for low power and shutdown modes — IAEA-TECDOC-1144
Regulatory review of probabilistic (PSA) level 1 — IAEA-TECDOC-1135
Safety issues and their ranking for ‘small series’ WWER-1000 nuclear power plants — IAEA-EBP-WWER No. 14
Safety of nuclear power plants: Design — Safety Standards Series NS-R-1
Safety of nuclear power plants: Operation — Safety Standards Series NS-R-2
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Status of non-electric nuclear heat applications: Technology and safety — IAEA-TECDOC-1184
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Radiation Safety

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Directory of national competent authorities' approval certificates for package design, special form material and shipment of radioactive material — IAEA-TECDOC-1171
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IAEA emergency response network — ER-NET (1.0)
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Joint radiation emergency management plan of the international organizations — ER-JPLAN (1.0)
Lessons learned from accidental exposures in radiotherapy — Safety Reports Series No. 17
National competent authorities responsible for approvals and authorizations in respect of the transport of radioactive material, List No. 31. 2000 Edition — IAEA-NCAL-31
Regulations for the safe transport of radioactive material, 1996 edition (revised) — Safety Standards Series No. TS-R-1 (ST-1, Revised)
The radiological accident in Istanbul — Special Publication
The radiological accident in Lilo — Special Publication
The radiological accident in Yanango — Special Publication
Radioactive Waste Safety
Modelling of the transfer of radiocaesium from deposition to lake ecosystems — IAEA-TECDOC-1143
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Regulatory control of radioactive discharges to the environment — Safety Standards Series No. WS-G-2.3
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