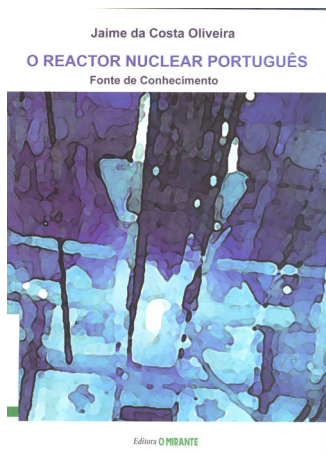


ithn - Livros

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Nascido em Lisboa, em 1939, Jaime Manuel da Costa Oliveira é licenciado em Ciências Físico-Químicas pela Universidade de Lisboa (1961) e doutorado em Física Nuclear pela Universidade de Paris (1969). Entre 1961 e 2003, realizou actividades de investigação científica e desenvolvimento experimental (I&D) nos domínios da Física e da Engenharia dos Reactores Nucleares, tendo utilizado o Reactor Português de Investigação como objecto de estudo. Efectuou estudos relacionados com políticas de I&D e com o planeamento no sector da energia. Leccionou em cursos de licenciatura e de mestrado. Exerceu cargos de direcção na Junta de Energia Nuclear (1975/1979) e no Laboratório Nacional de Engenharia e Tecnologia Industrial (1979/1993). Entre outros, é co-autor de Energia Nuclear, Mitos e Realidades e autor de A Energia Nuclear em Portugal, Uma Esquina da História, livros editados por O MIRANTE.

FICHA DO LIVRO

Todas as publicações aqui referenciadas encontram-se disponíveis para consulta na Biblioteca.

Título: O REACTOR NUCLEAR PORTUGUÊS, Fonte de Conhecimento

Autor: Jaime da Costa Oliveira

Colecção: SABER

Capa: Antonio Falcão

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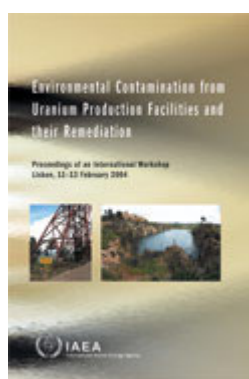
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Tel: 243 305080 **Fax:** 243 30 50 81 **e-mail:** omirante@omirante.pt

Publicações Oferecidas



Proceedings Series



Environmental Contamination from Uranium Production Facilities and their Remediation Proceedings of an International Workshop, Lisbon, Portugal, February 2004

Proceedings Series

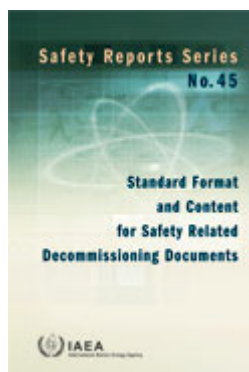
The legacies of past uranium mining and milling continue to be of concern and require assessment and remedial action. This problem has been recognized in many parts of the world over the past three decades, but has received increased attention since the end of the Cold War. Considerable effort and resources have been expended in dealing with this legacy. However, it has to be noted that the search for uranium has covered almost all countries on the globe. The result in some countries is a legacy of numerous small scale mines and mills. For economic and other reasons, including less stringent environmental standards and awareness at the time, these operations may not have been properly closed out and made safe. The remediation strategies and techniques developed by major problem holders, such as the USA or Germany, often would be out of scale for the problems in other countries. Therefore an international workshop was organized in Lisbon from 11 to 13 February 2004 as a forum for the exchange of views and experiences of countries with smaller scale uranium mining legacies.

STI/PUB/1228, 262 pp.; 64 figures; 2005, ISBN 92-0-104305-8, English. 80.00 Euro. Date of Issue: 24 November 2005.

http://www-pub.iaea.org/MTCD/publications/PDF/Pub1228_web.pdf

Subject Classification: 0801 - Uranium ore processing; 1300 - Environment.

Safety Reports Series



Standard Format and Content for Safety Related Decommissioning Documents

Safety Reports Series No. 45

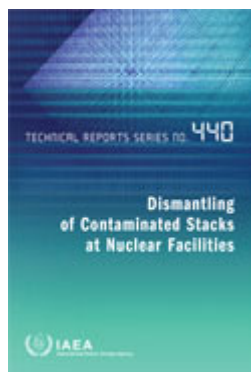
This report provides information on the content and format for decommissioning plans and supporting safety related documents. Its scope includes information that is relevant to all types of nuclear facilities, ranging from nuclear power plants and reprocessing facilities to university laboratories and manufacturing plants. The report will be of interest to decommissioning planning engineers, project managers and operations managers.

STI/PUB/1214, 64 pp.; 0 figures; 2005, ISBN 92-0-113204-2, English. 22.00 Euro. Date of Issue: 15 November 2005.

http://www-pub.iaea.org/MTCD/publications/PDF/Pub1214_web.pdf

Subject Classification: 0611 - Radioactive waste management; 0614 - Legal and governmental aspects; 0804 - Waste management.

Technical Report Series



Dismantling of Contaminated Stacks at Nuclear Facilities

Technical Reports Series No. 440

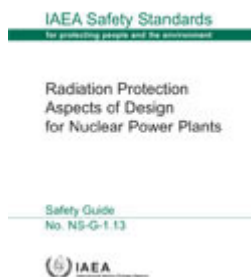
Nearly all nuclear installations utilize stacks to discharge ventilation air as well as gases and fumes from contaminated areas. Over a service lifetime that can span decades, stacks may become contaminated as the result of deposition of radioactive substances, such as aerosols on stack surfaces. In the longer term, this is a serious decommissioning issue. This contamination may be difficult to remove depending on the operating conditions and the chemical–physical environments over time. In addition, the physical logistics of stack dismantling may be complex, for example the difficulty in severing concrete high above the ground. Relevant aspects include project planning and management, decontamination and dismantling, and the management and disposal of wastes. Although more than 40 previous IAEA reports have been published in the field of decommissioning, none focus on this subject. It can be assumed that generic decontamination and dismantling technologies would also apply to these bulky components, but such an approach disregards a number of specific physical and radiological characteristics that make stack decommissioning a unique project.

STI/DOC/010/440, 155 pp.; 68 figures; 2005, ISBN 92-0-104505-0, English.

http://www-pub.iaea.org/MTCD/publications/PDF/TRS440_web.pdf

Subject Classification: 0804 - Waste management.

Safety Standards Series



Radiation Protection Aspects of Design for Nuclear Power Plants Safety Guide

Safety Standards Series No. NS-G-1.13

Prepared as part of the IAEA's programme on safety standards for nuclear power plants (NPPs), this Safety Guide deals with the provisions that should be made in the design of NPs to protect site personnel, the public and environment against radiological hazards for operational states, decommissioning and accident conditions, including severe accidents. It also provides recommendations for ensuring radiation protection in the design of new NPPs, design modifications to operating plants, and safety reviews of operating NPs. Comprehensive annexes provide additional information on the subjects addressed in this Safety Guide.

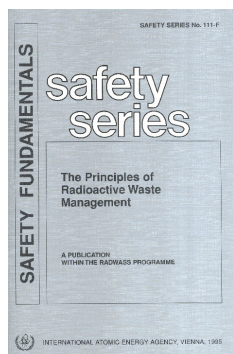
Contents: 1.Introduction; 2. Safety objectives, dose limitation and optimization; 3. Radiation protection aspects in design; 4. Protection of site personnel in operational states and during decommissioning; 5. Protection of the public during plant operation and decommissioning; 6. Guidelines for estimating radiation dose rates during plant operation and decommissioning; 7. Monitoring for radiation protection during plant operation and decommissioning; 8. Process radiation monitoring; 9. Auxiliary facilities; 10. Protection of site personnel under accident conditions; 11. Protection of the public under accident conditions; 12. Radiation and contamination monitoring under accident conditions; References; Annex I: Application of the optimization principle; Annex II: Sources of radiation during normal operation and decommissioning; Annex III: Sources of radiation under accident conditions; Annex IV: Example of zoning for design purposes; Glossary;

STI/PUB/1233, 115 pp.; 4 figures; 2005, ISBN 92-0-107905-2, English

http://www-pub.iaea.org/MTCD/publications/PDF/Pub1233_web.pdf

Subject Classification: 0603 - Nuclear power plants; 0701 - Nuclear power planning and economics.

Safety Series



Principles of Radioactive Waste Management Safety Fundamentals

Safety Series No. 111-F

This Safety Fundamentals document should complement national standards and criteria in the development of radioactive waste management programmes in Member States. It encompasses all aspects of radioactive waste management from waste minimization to disposal and sets out objectives and principles for the protection of human health and the environment, present and future.

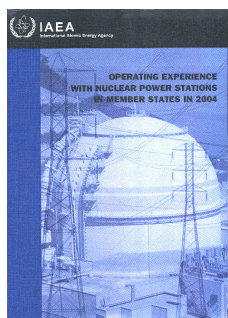
Contents: 1. Introduction; 2. Objective of radioactive waste management; 3. Fundamental principles of radioactive waste management; Annex: Basic steps in radioactive waste management.

STI/PUB/989, 24 pp.; 1 figures; 1995, ISBN 92-0-103595-0, English. 11.50 Euro. Date of Issue: 17 September 1995.

http://www-pub.iaea.org/MTCD/publications/PDF/Pub989e_scr.pdf

Subject Classification: 0611 - Radioactive waste management.

Operating Experience with Nuclear Power Stations in Member States



Operating Experience with Nuclear Power Stations in Member States in 2004

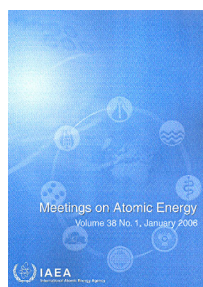
Operating Experience

This publication is the thirty-sixth in the IAEA's series of annual reports on operating experience with nuclear power stations in Member States. It is a direct output from the IAEA's Power Reactor Information System (PRIS), whose databank contains all operating experience data published in the Agency's operating experience annual reports since 1971 and basic information on power reactors, including design data. It presents operating experience data for all worldwide nuclear power plants after starting commercial operation.

STI/PUB/1237, 880 pp.; 6 figures; 2005, ISBN 92-0-114305-2, English.

Subject Classification: 0702 - Nuclear power operations.

Publicações Periódicas



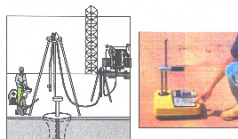
Meetings on Atomic Energy

Meetings on Atomic Energy is an edited worldwide listing of current and planned conferences, symposia, seminars, exhibitions and training courses related to nuclear energy and its peaceful uses. This on-line edition is updated regularly and features the most current information available to the IAEA. Use the search functions below to find information about meetings and training courses.

<http://www.iaea.org/cgi-bin/maeps.page.pl/search.htm>

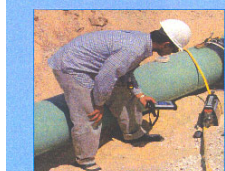
CD's - Training Courses

TRAINING FOR REGULATORS ON
AUTHORIZATION & INSPECTION OF RADIATION
SOURCES IN NUCLEAR GAUGES AND WELL LOGGING
(WORKING MATERIAL)



Training for Regulators on Authorization & Inspection of Radiation Sources in Nuclear Gauges and Well Logging (Working Material)

IAEA Training Course on Authorization
and Inspection of Radiation Sources
in Industrial Radiography

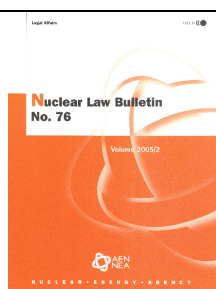


IAEA Training Course on Authorization and Inspection of Radiation Sources in Industrial Radiography



IAEA Training Course on Radiation Protection in Radiotherapy

Os CD's acima referenciados encontram-se para consulta na Biblioteca.



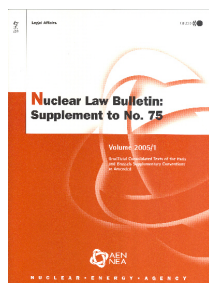
Nuclear Law Bulletin No. 76 (December 2005)

Language: English , Published: 30-DEC-05 , 120 pages
NEA#06015, ISSN: 0304-341X,

This publication is also available in French as: [Bulletin de droit nucléaire n° 76 \(Décembre 2005\)](#) -

Synopsis

Considered to be the standard reference work for both professionals and academics in the field of nuclear law, the Nuclear Law Bulletin is a unique international publication providing its subscribers with up-to-date information on all major developments falling within the domain of nuclear law. Published twice a year in both English and French, it covers legislative developments in almost 60 countries around the world as well as reporting on relevant jurisprudence and administrative decisions, international agreements and regulatory activities of international organisations.



Supplement to Nuclear Law Bulletin No. 75 (June 2005)

Unofficial Consolidated Texts of the Paris and Brussels Supplementary Conventions as Amended

Language: English , Published: 22-JUL-05 , 36 pages
NEA#06013, ISBN: 92-64-01214-1,



Research Activities

The expansion of nuclear technology for the enrichment of mankind cannot be achieved without integrating a variety of exceptional technologies.

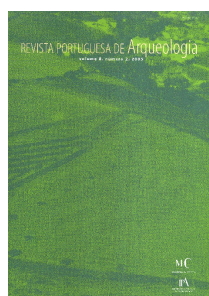
To achieve these technologies, JAERI has created six establishments (five for research and one for a nuclear ship) and three centers (the Advanced Basic Research Center, the Center for Promotion of Computational Science and Engineering, and the Nuclear Technology and Education Center). All are engaging in their respective fields and integrate their activities. This combined organization enables the unique research and development performed by JAERI.

These comprehensive research activities at JAERI, not only serve as the scientific and technological bases for nuclear development in Japan, but also contribute to worldwide nuclear development through international cooperation.



<http://www.jaeri.go.jp/english/research.html>

Publicações Periódicas Portuguesas Oferecidas



Revista Portuguesa de Arqueologia Volume 8, número 2, 2005

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