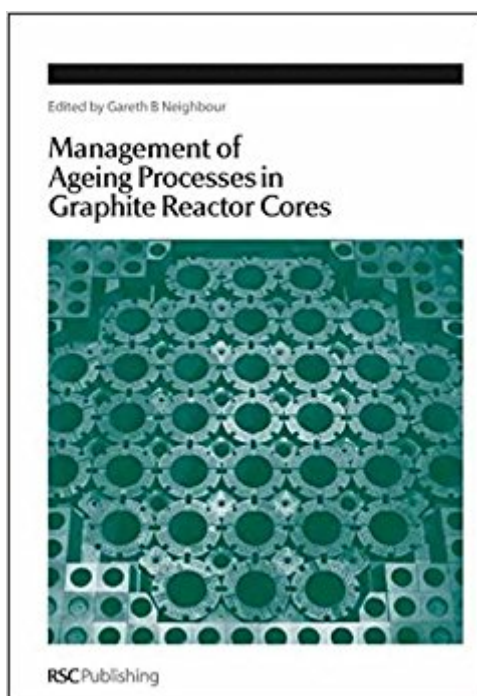


The book was found

# Management Of Ageing In Graphite Reactor Cores: RSC (Special Publications)



## Synopsis

Nuclear power currently contributes nearly a quarter of the electricity needs of the UK. Much of this is from nuclear reactor plants developed some fifty years ago. Consequently, in the next few decades, many of these reactors and components are coming to the end of their 'useful' life and strategies for the effective management of these decommissioned parts are paramount.

Management of Ageing Processes in Graphite Reactor Cores discusses in detail both the scientific challenges and the issues involved in this subject. It begins with an introductory section on the fundamentals of reactor design and goes on to discuss graphite core behaviour under irradiation; graphite-component behaviour and its assessment; and whole core behaviour. The book concludes with a section on the lessons learned from decades of experience. Written by leading experts in the field, this high level book is ideal for both academia and industry, and would also be of relevance to policy makers and governments.

## Book Information

Series: Special Publications (Book 309)

Hardcover: 299 pages

Publisher: Royal Society of Chemistry; 1 edition (July 2, 2007)

Language: English

ISBN-10: 0854043454

ISBN-13: 978-0854043453

Product Dimensions: 6.1 x 0.9 x 9.2 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #5,593,808 in Books (See Top 100 in Books) #24 in [Books > Textbooks > Engineering > Nuclear Engineering](#) #162 in [Books > Science & Math > Chemistry > Nuclear Chemistry](#) #971 in [Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Nuclear](#)

## Customer Reviews

Management of Ageing Processes in Graphite Reactor Cores discusses in detail both the scientific challenges and the issues involved in this subject. It begins with an introductory section on the fundamentals of reactor design and goes on to discuss graphite core behaviour under irradiation; graphite-component behaviour and its assessment; and whole core behaviour. The book concludes with a section on the lessons learned from decades of experience. Written by leading experts in the

field, this high level book is ideal for both academia and industry, and would also be of relevance to policy makers and governments.

Nuclear power currently contributes nearly a quarter of the electricity needs of the UK. Much of this is from nuclear reactor plants developed some fifty years ago. Consequently, in the next few decades, many of these reactors and components are coming to the end of their 'useful' life and strategies for the effective management of these decommissioned parts are paramount.

Management of Ageing Processes in Graphite Reactor Cores discusses in detail both the scientific challenges and the issues involved in this subject. It begins with an introductory section on the fundamentals of reactor design and goes on to discuss graphite core behaviour under irradiation; graphite-component behaviour and its assessment; and whole core behaviour. The book concludes with a section on the lessons learned from decades of experience. Written by leading experts in the field, this high level book is ideal for both academia and industry, and would also be of relevance to policy makers and governments.

[Download to continue reading...](#)

Management of Ageing in Graphite Reactor Cores: RSC (Special Publications) Securing the Safe Performance of Graphite Reactor Cores: RSC (Special Publications) Reactor Dosimetry State of the Art 2008: Proceedings of the 13th International Symposium on Reactor Dosimetry Nuclear Reactor Engineering: Reactor Design Basics Contemporary Boron Chemistry: RSC (Special Publications) Trace Elements Medicine and Chelation Therapy: RSC (RSC Paperbacks) Introduction to Glass Science and Technology: RSC (RSC Paperbacks) Therapeutic Oligonucleotides: RSC (RSC Biomolecular Sciences) The Chemistry of Fireworks: RSC (RSC Paperbacks) The Maillard Reaction: RSC (RSC Food Analysis Monographs) The Chemistry of Medical and Dental Materials: RSC (RSC Materials Monographs) Anti-Ageing Medicines: The Facts, What Works and What Doesn't Life - The Epic Story of Our Mitochondria: How the Original Probiotic Dictates Your Health, Illness, Ageing, and Even Life Itself Ageing Resource Communities: New frontiers of rural population change, community development and voluntarism (Routledge Studies in Human Geography) Best Practice in Accessible Tourism: Inclusion, Disability, Ageing Population and Tourism (ASPECTS OF TOURISM) The Two-Mile Time Machine: Ice Cores, Abrupt Climate Change, and Our Future Ice Core Evidence - Dispelling Arguments Against Immanuel Velikovsky's Theories Based On Greenland Ice Cores Micro-XRF Studies of Sediment Cores: Applications of a non-destructive tool for the environmental sciences (Developments in Paleoenvironmental Research) Mauritius West: Lembranza Collection de Cores Fotos con etiquetas

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)