

<<中国核工业三十年辐射环境质量>>

图书基本信息

书名：<<中国核工业三十年辐射环境质量评价>>

13位ISBN编号：9787502231521

10位ISBN编号：7502231528

出版时间：2004-4

出版时间：原子能出版社

作者：原子能

页数：257

字数：418000

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

## <<中国核工业三十年辐射环境质量>>

### 内容概要

This book is aimed to present an overall summary of the environmental situations in the surrounding areas of China's nuclear facilities in such a manner as to collect a wealth of research results in the three decades since the founding of China's nuclear industry. Emphases are placed on describing the models and parameters used in assessing environmental quality, environmental background radiation levels in China and the work of environmental quality assessments carried out at various systems of the nuclear industry. In addition, a comprehensive overview is made of the environmental quality in the areas surrounding the nuclear facilities for the three decades, with projections made of the potential impacts upon environmental quality that would be created in the future development of nuclear energy. This book includes a flood of data and materials that were credible and valuable in supporting our efforts to achieve our initiatives. So it could be safely said that it is of great value in academy and practice. It is hoped that this publication be of great help in promotion of the development of both nuclear energy and environmental science. This book should be useful for those who are involved in the sectors of nuclear and other energies, environmental science, radiation protection and nuclear technique applications and for university teachers and students majoring nuclear energy and environmental engineering.

<<中国核工业三十年辐射环境质量>>

作者简介

潘自强，核辐射防护专家。

1936年6月1日出生。

核辐射防护专家。

湖南益阳人。

1957年北京大学技术物理系毕业。

历任原子能研究所实习研究员、助理研究员、副研究员、研究室副主任、主任、研究员，核工业部安防环保卫生局副局长、局长，中国核工业总公司安防

书籍目录

Chapter 1 Introduction 1.1 Purpose of assessment 1.2 Short history of nuclear industry in China 1.3 Outline of environmental protection for the nuclear industry in China References  
Chapter 2 Natural Background Radiation in China 2.1 Natural radiation sources 2.2 Naturally radioactive substances in the environment 2.3 Doses to the human body from natural background radiation References  
Chapter 3 Models and Parameters for Radiation Environmental Impact Assessment 3.1 Outline 3.2 Nuclides, exposure pathways and subsector and age group division 3.3 Calculation of the dispersion 3.4 Estimation of the dispersion of liquid radioactive effluent in river 3.5 Transfer models and parameters for food-chains 3.6 Dose estimation for routine releases 3.7 Dose estimation for accidental release 3.8 Estimates of collective dose 3.9 YEAR30-The computer code for radiation environmental impact assessment 3.10 Preliminary examination and discussion of models and computer code References  
Chapter 4 Radiation Environmental Impact Assessment for Uranium Mining and Milling System 4.1 Outline 4.2 Natural and social environment 4.3 Environmental monitoring 4.4 Environmental impact under normal operation conditions 4.5 Cost-effectiveness analysis of waste management measures 4.6 Conclusion and discussion References  
Chapter 5 Radiation Environmental Impact Assessment for Nuclear Fuel Fabrication System .....  
Chapter 6 Radiation Environmental Impact Assessment for the Uranium Isotope Separation System  
Chapter 7 Radiation Environmental Impact Assessment for Reactor and Reprocessing System  
Chapter 8 Radiation Environmental Impact Assessment for the Nuclear Metallurgy and Machining System  
Chapter 9 Radiation Environmental Impact Assessment for the Nuclear Engineering Research System  
Chapter 10 Comprehensive Assessment of Radiation Environmental Impact of Nuclear Industry  
Chapter 11 Projections of Radiation Environmental Impact to the Year 2000  
Appendix 1 Abbreviation  
Appendix 2 List of Figures  
Appendix 3 List of Tables

版权说明

本站所提供下载的PDF图书仅提供预览和简介, 请支持正版图书。

更多资源请访问:<http://www.tushu007.com>