

<<电厂化学专业英语>>

图书基本信息

书名：<<电厂化学专业英语>>

13位ISBN编号：9787512321908

10位ISBN编号：7512321902

出版时间：2012-1

出版时间：中国电力出版社

作者：李宇春 等编

页数：138

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>

<<电厂化学专业英语>>

内容概要

李宇春、张瑛洁等编著的这本《电厂化学专业英语》为普通高等教育“十二五”规划教材。

全书共7章，详细介绍了电厂化学相关的系统、原理、监督和处理技术，主要内容包括补给水处理、凝结水精处理、腐蚀与防护、水化学控制工况、蒸汽化学控制工况、水汽监测及化学仪表控制等。

《电厂化学专业英语》可作为普通高等教育能源与动力工程、材料科学与工程、应用化学、化学工程与工艺及相关专业本科生和研究生的教材，也可供从事火电厂、核电厂化学环境及相关工作的技术人员参考。

<<电厂化学专业英语>>

书籍目录

- Chapter 1 Introduction to Power Plant Chemistry
 - 1.1 Introduction of Steam Chemistry Systems
 - 1.2 Main Contents of Power Plant Chemistry -
 - 1.3 Chemistry Requirement for Power Plant
 - 1.4 Feedwater and Boiler Water Treatment
- Chapter 2 High-Purity Makeup Water Treatment
 - 2.1 Introduction
 - 2.2 Pretreatment
 - 2.3 High-Purity Makeup Treatment Methods
 - 2.4 Regeneration and Co-current/countercurrent Systems
 - 2.5 Demineralizer Performance Calculatio
 - 2.6 System Design Calculatio
 - 2.7 Mixed-bed Polishing
 - 2.8 Demineralizer Component Fundamentals
 - 2.9 Packed-bed Demineralize
 - 2.10 Reveal Osmosis
 - 2.11 Electrodialysis and Electrodialysis Reveal
 - 2.12 Electrodeionization
- Chapter 3 Corrosion and Prevention of Metal Materials
 - 3.1 Introduction
 - 3.2 Oxygen Corrosion in Thermal Devices
 - 3.3 Acidic Corrosion of Thermal Devices
 - 3.4 Stress Corrosion of Thermal Devices
 - 3.5 Corrosion by Enriched Medium in Boiler
 - 3.6 Corrosion and Prevention of Copper Alloy
 - 3.7 Chemical Cleaning
- Chapter 4 Condensate Feedwater Chemistry
 - 4.1 Introduction
 - 4.2 Condensate/Feedwater System Construction Materials
 - 4.3 Condensate Chemistry Dissolved Oxygen
 - 4.4 Mechanical Removal of Dissolved Oxygen and Other Gases
 - 4.5 Chemical Control of Dissolved Oxygen
 - 4.6 Flow-accelerated Corrosion
 - 4.7 Copper Alloy Corrosion and Preventive Measures
 - 4.8 Additional Corrosion Control Requirements
 - 4.9 Oxygenated Treatment
 - 4.10 Feedwater Chemistry Guidelines
 - 4.11 Chemical Feed Systems
 - 4.12 Monitoring and Control of Condensate Contaminants
 - 4.13 Condensate Polishing and Treatment of Condensate
- Chapter 5 Boiler Water Chemistry
 - 5.1 Introduction
 - 5.2 Drum-type Boiler Design
 - 5.3 Once-through Steam Generation
 - 5.4 Boiler Water Contamination

<<电厂化学专业英语>>

5.5 Boiler Water Treatment Programs

5.6 Phosphate Hideout

5.7 Alternative Phosphate and Nonphosphate Programs

5.8 Heat Recovery Steam Generation

Chapter 6 Steam Chemistry

6.1 Introduction

6.2 Primary Carryover Products

6.3 Mechanical Carryover

6.4 Vaporous Carryover

6.5 Solids Introduction by Contaminated Attemperator Water."

6.6 Superheater Exfoliation

6.7 Water Chemistry Limits to Prevent Steam Contamination by Carryover.

6.8 Boiler Water Chemistry Guidelines for Control of Steam Chemistry

6.9 Steam Chemistry Monitoring

6.10 Steam Chemistry Issues at Industrial Plants without Turbine

Chapter 7 Chemistry Sampling

7.1 Introduction

7.2 The Need for Sampling

7.3 Sample Point Selection

7.4 Cogeneration/Combined Cycle/Industrial Plant Sampling

7.5 Techniques to Obtain Representative Samples

7.6 Data Acquisition

Appendix I Glossary of Chemistry in Fossil/Nuclear Power Plant

Appendix II Glossary of Materials in Power Plant

References

<<电厂化学专业英语>>

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>