

The Coal Handbook Towards Cleaner Production Volume 1 Coal Production Woodhead Publishing Series In Energy

Dust Control Handbook for Industrial Minerals Mining and Processing
Coal-Fired Power Generation Handbook
Coal Handbook for cleaning/decontamination of surfaces
Coal-Fired Generation Handbook of Alternative Fuel Technologies, Second Edition
Handbook of Pollution Prevention and Cleaner Production Vol. 1: Best Practices in the Petroleum Industry
Coal and Biomass Gasification
Coal Handbook
Handbook of Pollution Prevention and Cleaner Production Vol. 2: Best Practices in the Wood and Paper Industries
Kent's Mechanical Engineers' Handbook
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Clean Electricity Through Advanced Coal Technologies
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Biomass Gasification, Pyrolysis and Torrefaction
Standard Handbook for Mechanical Engineers
Handbook of Coal Analysis
Mechanical Engineers' Handbook
Clean Electricity Through Advanced Coal Technologies
The CRC Handbook of Mechanical Engineering, Second Edition

Dust Control Handbook for Industrial Minerals Mining and Processing

Coal-Fired Power Generation Handbook

Coal

During the past 20 years, the field of mechanical engineering has undergone enormous changes. These changes have been driven by many factors, including: the development of computer technology worldwide competition in industry improvements in the flow of information satellite communication real time monitoring increased energy efficiency robotics automatic control increased sensitivity to environmental impacts of human activities advances in design and manufacturing methods These developments have put more stress on mechanical engineering education, making it increasingly difficult to cover all the topics that a professional engineer will need in his or her career. As a result of these developments, there has been a growing need for a handbook that can serve the professional community by providing relevant background and current information in the field of mechanical engineering. The CRC Handbook of Mechanical Engineering serves the needs of the professional engineer as a resource of

information into the next century.

Handbook for cleaning/decontamination of surfaces

Coal-Fired Generation

Handbook of Alternative Fuel Technologies, Second Edition

Coal-Fired Generation is a concise, up-to-date and readable guide providing an introduction to this traditional power generation technology. It includes detailed descriptions of coal fired generation systems, demystifies the coal fired technology functions in practice as well as exploring the economic and environmental risk factors. Engineers, managers, policymakers and those involved in planning and delivering energy resources will find this reference a valuable guide, to help establish a reliable power supply address social and economic objectives. Focuses on the evolution of the traditional coal-fired generation Evaluates the economic and environmental viability of the system with concise diagrams and accessible explanations

Handbook of Pollution Prevention and Cleaner Production Vol. 1: Best Practices in the Petroleum Industry

A global exploration of coal geology, from production and use to chemical properties and coal petrology Coal Geology, 3rd Edition, offers a revised and updated edition of this popular book which provides a comprehensive overview of the field of coal geology including coal geophysics, hydrogeology and mining. Also covered in this volume are fully revised coverage of resource and reserve definitions, equipment and recording techniques together with the use of coal as an alternative energy source as well as environmental implications. This third edition provides a textbook ideally suited to anyone studying, researching or working in the field of coal geology, geotechnical engineering and environmental science. Fills the gap between academic aspects of coal geology and the practical role of geology in the coal industry Examines sedimentological and stratigraphical geology, together with mining, geophysics, hydrogeology, environmental issues and coal marketing Defines global coal resource classifications and methods of calculation Addresses the alternative uses of coal as a source of energy Covers a global approach to coal producers and consumers

Coal and Biomass Gasification

Released on 24 Aug 2006, by Shri Sushil Kumar Shinde, Hon'ble Union Minister of Power, Govt. of India, the handbook presents a detailed account of energy conservation and environmental management in small, medium as well as large enterprises. It is a must-read for every professional interested in energy management and auditing.

Coal Handbook

Handbook of Pollution Prevention and Cleaner Production Vol. 2: Best Practices in the Wood and Paper Industries

Sustainable Management of Coal Preparation explains both the upstream and downstream of coal preparation, stressing clean coal technologies for coal utilization. It not only discusses the sustainability of coal preparation, but also considers the governance and management issues that come with fulfilling economic, social and environmental obligations of a sustainable mining operation. Divided in three parts, the book explains the preparation of coking and non-coking coal, clean technologies, the principles of sustainable management and emerging management issues. The inclusion of case studies also provides a practical perspective for the planning and design of coal preparation activities and environmental management. Offers an integrated approach to pursue sustainable management between mining, coal preparation and final use of coal Explains the economic aspects of coal preparation in a modern/developing society with zero-waste concept Compiles the best technologies from around the world Uses India, a developing country, as a case study to apply technologies where there is maximum potential for application and benefit

Kent's Mechanical Engineers' Handbook

Compendium of Hydrogen Energy

This book gathers technical and scientific articles by leading experts from 15 countries and originally presented at the world's most prestigious forum on coal preparation: the XVIII International Coal Preparation Congress. Topics addressed include: the mineral resources basis of the coal industry; problems and prospects of development in the coal industry; crushing, grinding, screening and classification processes used at sorting plants; coal processing and briquette factories; review of plant designs and operations used around the world; new developments in dense-medium separators, water-based separation processes, froth flotation and dewatering; technologies and equipment for the dry separation of coal; coal deep processing technologies and equipment; energy generation as an area of coal deep processing; and simulation and optimization software for separation processes. In general, the future of coal around the world is defined by its competitiveness. As the cheapest form of fuel (comparatively speaking), coal undoubtedly continues to be in high demand around the world.

Cleaner Production

This book addresses the science and technology of the gasification process and the production of electricity, synthetic fuels and other useful chemicals. Pursuing a holistic approach, it covers the fundamentals of gasification and its various applications. In addition to discussing recent advances and outlining future directions, it covers advanced topics such as underground coal gasification and chemical looping combustion, and describes the state-of-the-art experimental techniques, modeling and numerical simulations, environmentally friendly

approaches, and technological challenges involved. Written in an easy-to-understand format with a comprehensive glossary and bibliography, the book offers an ideal reference guide to coal and biomass gasification for beginners, engineers and researchers involved in designing or operating gasification plants.

Waste to Energy Conversion Technology

Natural gas is considered the dominant worldwide bridge between fossil fuels of today and future resources of tomorrow. Thanks to the recent shale boom in North America, natural gas is in a surplus and quickly becoming a major international commodity. Stay current with conventional and now unconventional gas standards and procedures with *Natural Gas Processing: Technology and Engineering Design*. Covering the entire natural gas process, Bahadori's must-have handbook provides everything you need to know about natural gas, including: Fundamental background on natural gas properties and single/multiphase flow factors How to pinpoint equipment selection criteria, such as US and international standards, codes, and critical design considerations A step-by-step simplification of the major gas processing procedures, like sweetening, dehydration, and sulfur recovery Detailed explanation on plant engineering and design steps for natural gas projects, helping managers and contractors understand how to schedule, plan, and manage a safe and efficient processing plant Covers both conventional and unconventional gas resources such as coal bed methane and shale gas Bridges natural gas processing with basic and advanced engineering design of natural gas projects including real world case studies Digs deeper with practical equipment sizing calculations for flare systems, safety relief valves, and control valves

The Housekeeper's Handbook of Cleaning

Biomass is the most widely used non-fossil fuel in the world. Biomass resources show a considerable potential in the long-term given the increasing proliferation of dedicated energy crops for biofuels. The second edition of *Biomass Gasification and Pyrolysis* is enhanced with new topics, such as torrefaction and cofiring, making it a versatile resource that not only explains the basic principles of energy conversion systems, but also provides valuable insight into the design of biomass conversion systems. This book will allow professionals, such as engineers, scientists, and operating personnel of biomass gasification, pyrolysis or torrefaction plants, to gain a better comprehension of the basics of biomass conversion. The author provides many worked out design problems, step-by-step design procedures and real data on commercially operating systems. With a dedicated focus on the design, analysis, and operational aspects of biomass gasification, pyrolysis, and torrefaction, *Biomass Gasification, Pyrolysis and Torrefaction, Second Edition* offers comprehensive coverage of biomass in its gas, liquid, and solid states in a single easy-to-access source. Contains new and updated step-by-step process flow diagrams, design data and conversion charts, and numerical examples with solutions Includes chapters dedicated to evolving torrefaction technologies, practicing option of biomass cofiring, and biomass conversion economics Expanded coverage of syngas and other Fischer-Tropsch alternatives Spotlights advanced processes such as supercritical water gasification and torrefaction of biomass. Provides available research results in an easy-to-use design methodology

Coal-Fired Power Generation Handbook

The Coal Handbook: Towards Cleaner Production

Substantially revising and updating the classic reference in the field, this handbook offers a valuable overview and myriad details on current chemical processes, products, and practices. No other source offers as much data on the chemistry, engineering, economics, and infrastructure of the industry. The Handbook serves a spectrum of individuals, from those who are directly involved in the chemical industry to others in related industries and activities. It provides not only the underlying science and technology for important industry sectors, but also broad coverage of critical supporting topics. Industrial processes and products can be much enhanced through observing the tenets and applying the methodologies found in chapters on Green Engineering and Chemistry (specifically, biomass conversion), Practical Catalysis, and Environmental Measurements; as well as expanded treatment of Safety, chemistry plant security, and Emergency Preparedness. Understanding these factors allows them to be part of the total process and helps achieve optimum results in, for example, process development, review, and modification. Important topics in the energy field, namely nuclear, coal, natural gas, and petroleum, are covered in individual chapters. Other new chapters include energy conversion, energy storage, emerging nanoscience and technology. Updated sections include more material on biomass conversion, as well as three chapters covering biotechnology topics, namely, Industrial Biotechnology, Industrial Enzymes, and Industrial Production of Therapeutic Proteins.

Sustainable Management of Coal Preparation

The focus of Handbook for Cleaning/Decontamination of Surfaces lies on cleaning and decontamination of surfaces and solid matter, hard as well as soft. Bringing together in a 2-volume reference source: - current knowledge of the physico-chemical fundamentals underlying the cleaning process; - the different needs for cleaning and how these needs are met by various types of cleaning processes and cleaning agents, including novel approaches; - how to test that cleaning has taken place and to what extent; - the effects of cleaning on the environment; - future trends in cleaning and decontamination, for example the idea of changing surfaces, to hinder the absorbance of dirt and thus make cleaning easier. A brief introduction is given to the legal demands concerning the environment and a historical background, in terms of development of detergents, from soaps to the modern sophisticated formulations. Bactericides, their use and the environmental demands on them are covered. Thorough discussions of mechanisms for cleaning are given in several chapters, both general basic concepts and special cases like particle cleaning and cleaning using microemulsion concepts. * General understanding of how cleaning works, function of ingredients and formulations * Overview of environmental issues and demands from the society in the area * Gives basic formulas for cleaning preparations in most areas

Fuels and Fuel Technology

While strides are being made in the research and development of environmentally acceptable and more sustainable alternative fuels—including efforts to reduce emissions of air pollutants associated with combustion processes from electric power generation and vehicular transportation—fossil fuel resources are limited and may soon be on the verge of depletion in the near future. Measuring the correlation between quality of life, energy consumption, and the efficient utilization of energy, the Handbook of Alternative Fuel Technologies, Second Edition thoroughly examines the science and technology of alternative fuels and their processing technologies. It focuses specifically on environmental, technoeconomic, and socioeconomic issues associated with the use of alternative energy sources, such as sustainability, applicable technologies, modes of utilization, and impacts on society. Written with research and development scientists and engineers in mind, the material in this handbook provides a detailed description and an assessment of available and feasible technologies, environmental health and safety issues, governmental regulations, and issues and agendas for R&D. It also includes alternative energy networks for production, distribution, and consumption. What's New in This Edition: Contains several new chapters of emerging interest and updates various chapters throughout Includes coverage of coal gasification and liquefaction, hydrogen technology and safety, shale fuel by hydraulic fracturing, ethanol from lignocellulosics, biodiesel, algae fuels, and energy from waste products Covers statistics, current concerns, and future trends A single-volume complete reference, the Handbook of Alternative Fuel Technologies, Second Edition contains relevant information on chemistry, technology, and novel approaches, as well as scientific foundations for further enhancements and breakthroughs. In addition to its purposes as a handbook for practicing scientists and engineers, it can also be used as a textbook or as a reference book on fuel science and engineering, energy and environment, chemical process design, and energy and environmental policy.

The Coal Mining Handbook

Mining Engineers' Handbook

The Biogas Handbook

Coal will continue to provide a major portion of energy requirements in the United States for at least the next several decades. It is imperative that accurate information describing the amount, location, and quality of the coal resources and reserves be available to fulfill energy needs. It is also important that the United States extract its coal resources efficiently, safely, and in an environmentally responsible manner. A renewed focus on federal support for coal-related research, coordinated across agencies and with the active participation of the states and industrial sector, is a critical element for each of these requirements. Coal focuses on the research and development needs and priorities in the areas of coal resource and reserve assessments, coal mining and processing, transportation of coal and coal products, and coal utilization.

Handbook of Industrial Chemistry and Biotechnology

This book makes intelligible the wide range of electricity generating technologies available today, as well as some closely allied technologies such as energy storage. The book opens by setting the many power generation technologies in the context of global energy consumption, the development of the electricity generation industry and the economics involved in this sector. A series of chapters are each devoted to assessing the environmental and economic impact of a single technology, including conventional technologies, nuclear and renewable (such as solar, wind and hydropower). The technologies are presented in an easily digestible form. Different power generation technologies have different greenhouse gas emissions and the link between greenhouse gases and global warming is a highly topical environmental and political issue. With developed nations worldwide looking to reduce their emissions of carbon dioxide, it is becoming increasingly important to explore the effectiveness of a mix of energy generation technologies. Power Generation Technologies gives a clear, unbiased review and comparison of the different types of power generation technologies available. In the light of the Kyoto protocol and OSPAR updates, Power Generation Technologies will provide an invaluable reference text for power generation planners, facility managers, consultants, policy makers and economists, as well as students and lecturers of related Engineering courses.

- Provides a unique comparison of a wide range of power generation technologies - conventional, nuclear and renewable
- Describes the workings and environmental impact of each technology
- Evaluates the economic viability of each different power generation system

Power Generation Technologies

With pressure increasing to utilise wastes and residues effectively and sustainably, the production of biogas represents one of the most important routes towards reaching national and international renewable energy targets. The biogas handbook: Science, production and applications provides a comprehensive and systematic guide to the development and deployment of biogas supply chains and technology. Following a concise overview of biogas as an energy option, part one explores biomass resources and fundamental science and engineering of biogas production, including feedstock characterisation, storage and pre-treatment, and yield optimisation. Plant design, engineering, process optimisation and digestate utilisation are the focus of part two. Topics considered include the engineering and process control of biogas plants, methane emissions in biogas production, and biogas digestate quality, utilisation and land application. Finally, part three discusses international experience and best practice in biogas utilisation. Biogas cleaning and upgrading to biomethane, biomethane use as transport fuel and the generation of heat and power from biogas for stationery applications are all discussed. The book concludes with a review of market development and biomethane certification schemes. With its distinguished editors and international team of expert contributors, The biogas handbook: Science, production and applications is a practical reference to biogas technology for process engineers, manufacturers, industrial chemists and biochemists, scientists, researchers and academics working in this field. Provides a concise overview of biogas as an energy option Explores biomass resources for production Examines plant design and

engineering and process optimisation

Clean Electricity Through Advanced Coal Technologies

The most complete and up-to-date handbook on power generation from coal, this book covers all of today's new, cleaner methods for creating electricity from coal, the environmental challenges and concerns involved in its production, and developing technologies. It describes new technologies that could virtually eliminate the sulfur, nitrogen, and mercury pollutants released when coal is burned for electricity generation. In addition, the text details technologies for greenhouse gases capture from coal-fired power plants, as well as for preventing such emissions from contributing to global warming.

Natural Gas Processing

This new Handbook provides a series of reference guides to cleaner production methods, technologies, and practices for key industry sectors. Each volume covers, for each industry sector: * the manufacturing technologies * waste management * pollution * methods for estimating and reporting emissions * treatment and control technologies * worker and community health risk exposures * cost data for pollution management * cleaner production and prevention alternatives Best Practices in the Wood and Paper Industries provides an overview of the forestry, wood preserving, pulp and paper industries and identifies the key environmental aspects, supported by case studies of major incidents. It provides general explanations of the major unit operations and processes in pulp and paper mills and wood treating plants, covering new trends alongside traditional methods. The environmental issues regarding air, water and solid waste are all addressed, identifying all US plants and their TRI data, and the authors provide calculation methods for properly accounting for air emissions and P2 practices to reduce them. Provides guidelines on cleaner production and pollution prevention practices for improving overall environmental performance Discusses emerging technologies and processes for cleaner air Contains an Inventory of Chemical Toxicity Properties

Handbook on Energy Audit and Environment Management

This new Handbook provides a series of reference guides to cleaner production methods, technologies, and practices for key industry sectors. Each volume covers, for each industry sector: * the manufacturing technologies * waste management * pollution * methods for estimating and reporting emissions * treatment and control technologies * worker and community health risk exposures * cost data for pollution management * cleaner production and prevention alternatives Best Practices in The Petroleum Industry provides an overview of refineries and gas plant operations and identifies the key Environmental Aspects, supported by case studies of major incidents that resulted in catastrophic releases of oil and refined products, and a critical assessment of the methodology and calculation procedures that the industry relies on in preparing emissions inventories. The authors offer alternative approaches to providing more accurate emissions estimates, and guidelines on cleaner production and pollution prevention practices for improving overall environmental performance. Overview of the key Environmental Aspects of

gas plant operations and refineries Case studies of major incidents that resulted in catastrophic releases of oil and refined products, including the Santa Barbara oil spill of 1969 and the EXXON Valdez incident Provides guidelines on cleaner production and pollution prevention practices for improving overall environmental performance

Handbook of Coal Analysis

Marine Engineers' Handbook

Coal Geology

Compendium of Hydrogen Energy, Volume 2: Hydrogen Storage, Distribution and Infrastructure focuses on the storage and transmission of hydrogen. As many experts believe the hydrogen economy will, at some point, replace the fossil fuel economy as the primary source of the world's energy, this book details hydrogen storage in pure form, including chapters on hydrogen liquefaction, slush production, as well as underground and pipeline storage. Other sections in the book explore physical and chemical storage, including environmentally sustainable methods of hydrogen production from water, with final chapters dedicated to hydrogen distribution and infrastructure. Covers a wide array of methods for storing hydrogen, detailing hydrogen transport and the infrastructure required for transition to the hydrogen economy Written by leading academics in the fields of sustainable energy and experts from the world of industry Part of a very comprehensive compendium which looks at the entirety of the hydrogen energy economy

The Practical Handbook of Garment Dyeing and Cleaning

The most complete and up-to-date handbook on power generation from coal, this book covers all of today's new, cleaner methods for creating electricity from coal, the environmental challenges and concerns involved in its production, and developing technologies. It describes new technologies that could virtually eliminate the sulfur, nitrogen, and mercury pollutants released when coal is burned for electricity generation. In addition, the text details technologies for greenhouse gases capture from coal-fired power plants, as well as for preventing such emissions from contributing to global warming.

The Coal Miner's Handbook

Clean Electricity Through Advanced Coal Technologies focuses on the environmental damages caused by power plant operations and the environmental issues with solid waste, air and impoundment issues such as the massive TVA spill in Kingston, TN. Each volume of the Handbook of Pollution Prevention and Cleaner Production series covers: manufacturing technologies, waste management, pollution issues, methods for estimating and reporting emissions, treatment and control techniques, worker and community health risks, cost data for pollution

management, and cleaner production and prevention options. Vol. 1 Best Practices in the Petroleum Industry (9780815520351) Vol. 2 Best Practices in the Wood and Paper Industries (9780080964461) Vol. 3 Best Practices in the Agrochemical Industry (9781437778250) Vol. 4 Clean Electricity Through Advanced Coal Technologies (9781437778151) Vol. 5 Best Practices in the Mining Industry (9781437778878) Discusses the environmental impact of coal power, including air pollution, greenhouse gas emissions and solid toxic wastes. Focuses on newer coal technologies with smaller environmental footprints than existing infrastructure. Provides an overview of carbon capture and sequestration technologies.

Coal Preparation Technology

Throughout the mining and processing of minerals, the mined ore undergoes a number of crushing, grinding, cleaning, drying, and product sizing operations as it is processed into a marketable commodity. These operations are highly mechanized, and both individually and collectively these processes can generate large amounts of dust. If control technologies are inadequate, hazardous levels of respirable dust may be liberated into the work environment, potentially exposing workers. Accordingly, federal regulations are in place to limit the respirable dust exposure of mine workers. Engineering controls are implemented in mining operations in an effort to reduce dust generation and limit worker exposure.

XVIII International Coal Preparation Congress

Coal is an important fossil fuel resource for many nations due to its large remaining resources, relatively low production and processing cost and potential high energy intensity. Certain issues surround its utilisation, however, including emissions of pollutants and growing concern about climate change. The coal handbook: Towards cleaner production Volume 1 reviews the coal production supply chain from analysis to extraction and distribution. Part one explores coal characterisation and introduces the industrial use of coal as well as coal formation, petrography, reserves, sampling and analysis. Part two moves on to review coal extraction and preparation. Chapters highlight advances in coal mining technology, underground coal gas extraction, coal sizing, comminution and cleaning, and solid-liquid separation technologies for coal. Further chapters focus on economic factors affecting coal preparation, post-treatment of coal, coal tailings treatment, and the optimisation, simulation and control of coal preparation plants. Finally, part three considers aspects of the coal supply chain including the management approach and individual functions such as coal blending and homogenisation, transportation and handling along the entire supply chain. With its distinguished editor and international team of expert contributors, The coal handbook Volumes 1 and 2 is a comprehensive and invaluable resource for professionals in the coal mining, preparation, and utilisation industry, those in the power sector, including plant operators and engineers, and researchers and academics interested in this field. Reviews the coal production supply chain from analysis to extraction and distribution Explores coal characterisation, formation, petrography, reserves, sampling and analysis Examines coal extraction and preparation and highlights advances in coal mining technology, underground coal gas extraction, coal sizing, comminution and cleaning, and solid-liquid separation technologies

Biomass Gasification, Pyrolysis and Torrefaction

Coal power is a major cause of air pollution and global warming and has resulted in the release of toxic heavy metals and radionuclides, which place communities at risk for long-term health problems. However, coal-fired power plants also currently fuel 41% of global electricity. Clean Electricity Through Advanced Coal Technologies discusses the environmental issues caused by coal power, such as air pollution, greenhouse gas emissions and toxic solid wastes. This volume focuses on increasingly prevalent newer generation technologies with smaller environmental footprints than the existing coal-fired infrastructure throughout most of the world. These technologies include fluidized-bed combustion and gasification. It also provides an overview of carbon capture and sequestration technologies and closely examines the 2008 Kingston TVA spill, the largest fly ash release ever to have occurred in the United States. Each volume of the Handbook of Pollution Prevention and Cleaner Production covers manufacturing technologies, waste management, pollution issues, methods for estimating and reporting emissions, treatment and control techniques, worker and community health risks, cost data for pollution management, and cleaner production and prevention options. Discusses the environmental impact of coal power, including air pollution, greenhouse gas emissions and solid toxic wastes Focuses on newer coal technologies with smaller environmental footprints than existing infrastructure Provides an overview of carbon capture and sequestration technologies

Standard Handbook for Mechanical Engineers

Handbook of Coal Analysis

Increasing global consumerism and population has led to an increase in the levels of waste produced. Waste to energy (WTE) conversion technologies can be employed to convert residual wastes into clean energy, rather than sending these wastes directly to landfill. Waste to energy conversion technology explores the systems, technology and impacts of waste to energy conversion. Part one provides an introduction to WTE conversion and reviews the waste hierarchy and WTE systems options along with the corresponding environmental, regulatory and techno-economic issues facing this technology. Part two goes on to explore further specific aspects of WTE systems, engineering and technology and includes chapters on municipal solid waste (MSW) combustion plants and WTE systems for district heating. Finally, part three highlights pollution control systems for waste to energy technologies. Waste to energy conversion technology is a standard reference book for plant managers, building engineers and consultants requiring an understanding of WTE technologies, and researchers, scientists and academics interested in the field. Reviews the waste hierarchy and waste to energy systems options along with the environmental and social impact of WTE conversion plants Explores the engineering and technology behind WTE systems including considerations of municipal solid waste (MSW) its treatment, combustion and gasification Considers pollution control systems for WTE technologies including the transformation of waste combustion facilities from major polluters to pollution sinks

Mechanical Engineers' Handbook

Fuels and Fuel Technology, Volume One: A Summarized Manual provides information pertinent to the fundamental aspects of fuels and fuel technology. This book presents a reasonably accurate summary of the existing knowledge and literature relating to fuel technology. Organized into two sections encompassing 72 data sheets, this volume begins with an overview of fuels as organic combustible substances used mainly or solely for the production of useful heat that are divided into three classes, namely, solid, liquid, and gaseous fuels. This text then examines the main chemical components of wood. This book discusses as well the commercial production of peat. The final section deals with the calculations of theoretical and actual air requirements, dry and wet flue gases, and carbon dioxide in flue gases. This book is a valuable resource for chemists and fuel technologists. Students who are interested to obtain a qualification in the subject of fuels or fuel technology will also find this book useful.

Clean Electricity Through Advanced Coal Technologies

The CRC Handbook of Mechanical Engineering, Second Edition

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