

pollution from offshore installations international environmental law and policy series

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This content explores the critical environmental challenges stemming from pollution originating in offshore installations. It meticulously examines the frameworks of international environmental law and policy, analyzing legal instruments, regulatory mechanisms, and policy initiatives designed to mitigate adverse impacts and ensure sustainable practices in maritime industrial operations.

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Pollution from Offshore Installations

This book examines the present state of affairs regarding the legal rules for the control of pollution caused by activities related to offshore installations. It is a comprehensive treatise on the legal regime of such activities and their repercussions for the environment, discussed within the framework of general international environmental law. As such it is of great value to environmental lawyers, and particularly to legal practitioners and experts in the offshore industry, as it analyses all the latest international and domestic regulations and contractual provisions regarding offshore activities, including the removal of abandoned structures.

Pollution from Offshore Installations

This book contains in-depth articles written by scholars, international lawyers, and practitioners from around the world. It deals with the environmental aspect of the hydrocarbon cycle in general and oil and gas exploration and production in particular. Its main thrust is management of environmental legal risks and issues in upstream operations.

Environmental Regulation of Oil and Gas

The lack of international conventional law governing the operational aspects of continental shelf activity may be characterized as unfinished business of the UN Convention on the Law of the Sea. The Convention, adopted in 1982, generally addressed the issue but did not consider more detailed development of the legal regime for the continental shelf. In *The Regulation of Continental Shelf Development: Rethinking International Standards*, leading experts from around the world identify and explore a multitude of the unresolved legal concerns related to the continental shelf. The varied voices of experts collected within *The Regulation of Continental Shelf Development: Rethinking International Standards* offer a timely understanding of past, present, and future issues related to the continental shelf. The volume is a must-read for all those interested in environmental law and the law of the sea.

The Regulation of Continental Shelf Development

The increasing threat of pollution of the Caribbean Sea and the Gulf of Mexico necessitates the adoption of coping measures in the wider Caribbean. In the context of examining the internal workings of UNEP's environmental programme in the region, the *Law of Caribbean Marine Pollution* provides a lucid account of measures adopted to date and those that remain urgently needed, with a view toward referencing the laws of all of the countries of the wider Caribbean. Written by a law lecturer at the University of the West Indies, this book clearly sets out the legal framework governing the measures needed to address the kinds of pollution problems that may threaten sustainable development in the Caribbean. It looks at prevention per se, responsibilities and rights during pollution emergencies, and law governing liability and compensation, all from a global, regional, and national perspective. It is therefore an unmatched resource for Caribbean policy makers, providers of institutional support, Caribbean environmental law students and practitioners, and all those interested in evaluating regional solutions to developmental problems.

New Technologies and Law of the Marine Environment

The content and status of the precautionary principle remains highly debated and various questions arise, such as its status as a rule of customary international law, including its scope, addressee, triggering threshold, precautionary action measures, and eventually limits of the principle. Thus, this book examines the present state of affairs regarding the implementation of the principle in the law of the sea in different sectors, e.g. pollution of the marine environment, conservation and management of living marine resources, and transboundary transports of radioactive and hazardous wastes. In addition, it extracts evidence of its acceptance as part of customary international law, and indicates that below this level there is also an emerging practice of international law of applying the precautionary principle in a common way.

The Law of Caribbean Marine Pollution

Compares the legal frameworks in Denmark, New Zealand, Norway, and the United States relevant to the development of wind energy.

The International Law Relating to Offshore Installations and Artificial Islands

Increasingly over the next few decades, the oil and gas industry faces the complex task of decommissioning its offshore platforms, pipelines and sub-sea equipment as they reach the end of their operational capabilities. Decommissioning involves and integrates many distinct aspects: engineering, environmental, economic, legal, political and safety considerations. A practical strategy for removing and disposing these structures needs to be developed which best meets the demands of all of these different aspects. Specialists in these various fields have been brought together for this volume to contribute their assessments of the situation. The result is an important step toward the development of a co-ordinated approach to the subject. It is essential reading for all those who are involved with major decommissioning projects, their possible environmental impact and their implications in politics and law.

The Precautionary Principle in the Law of the Sea

This is a work on marine environment law. More than a book on shipping law, oil pollution or offshore installations alone, it also covers such areas as the conservation of marine wildlife, protection for special sea areas, and pollution from land-based sources or the dumping of waste at sea.

Legal Systems and Wind Energy

" Although methane hydrates are not recent discoveries, it is only now that their extraction and production are becoming commercially feasible as a major new energy source. They are present offshore in almost every coastal state, and their economic potential for endowing those states with abundant natural gas – in addition to their utility as freshwater resources and as carbon sinks for captured greenhouse gases – is vast. This book presents the first treatment of the legal issues facing the future of offshore methane hydrates, taking into account both proprietary interests and environmental hazards. Starting from law and economics theory as applied to environmental accidents, the book's analytical framework addresses how best to provide for the opportunities and challenges presented by offshore methane hydrates. Issues and topics include the following: - introduction to the science and technology of offshore methane hydrates; - methane as a green energy source; - research programmes and agendas under way in Japan, South Korea, the United States, Canada, China, and India; - carbon capture and sequestration; - risks – methane emissions, large-scale combustion events, subsea landslides, tsunamis, earthquakes, deep ocean eruptions; - strategies of risk governance – during exploration, development, production and abandonment of the extraction process; - acts that enable seeping and venting of methane; - regulatory compliance as a defense from liability; - grounds for deference to rules of civil liability; - potential impact on anthropogenic climate change; and - private regulation and market-based incentives The analysis compares and contrasts recommended legal policies with existing legal frameworks in relevant international conventions, the European Union, and the United States. Rules of civil liability are reviewed to determine when strict liability or negligence might be efficiently employed in risk governance along with the implementation of public regulations. As a road map to amending and revising existing laws and conventions, this book will be of inestimable practical value to policymakers in supporting the optimal risk governance of the development of methane hydrates. For potential entrepreneurs and operators, this book greatly reduces the legal uncertainty underlying their decision-making and investment decisions. Furthermore, this book enables a broad cross-section of legal practitioners and scholars to engage in this fascinating late arrival to the natural resources law and policy arena. "

Decommissioning Offshore Structures

This revised edition of Energy Law and the Environment considers how international and national legislation now requires the energy sector to focus more on sustainability and the circular economy in response to new policies at both international and national levels. It explores how environmental law engages with multinational companies regarding energy sources, ownership of those resources, and state sovereignty. Written for all the players in the energy sector, lawyers and non-lawyers alike, this third edition considers the issues of energy sector regulation related to economics and protection of intellectual property associated with the development of technologies for mitigating environmentally damaging emissions. It has been updated throughout and adds new and fully revised chapters on subjects, including climate change, human rights, renewable energy, and energy law in China. Features: Updated throughout and adds new and fully revised chapters Focuses on the global trends and mandates towards environmental sustainability Examines the latest international legislation involving climate change Includes the coverage of oil and gas industries, as well as nuclear and renewable energy

Marine Environment Law

Associate Professor Daud Hassan is the Director of International Centre for Ocean Governance (ICOG), Western Sydney University, Australia Md Saiful Karim is a senior lecturer at the Faculty of Law, Queensland University of Technology, Australia

Environmental Hazards from Offshore Methane Hydrate Operations

This title provides assistance on legal risk management following environmental incidents such as Fukushima and Deepwater Horizon. It reflects how such incidents have led many governments, international corporations and financial institutions to reassess their approach to safety and environmental risk.

International Law for Energy and the Environment

A detailed case study of how international environmental treaties can be made more effective. Combining theoretical analysis with a rigorous empirical evaluation of changes in the compliance process over time, the book identifies policies that have increased compliance by governments and the oil transportation industry with discharge restrictions, equipment requirements, enforcement, and reporting. How do environmental treaties influence international behavior? Deliberate discharges from oil tankers have traditionally been the biggest source of oil pollution from ships, greater than much-publicized accidental spills. Although an international treaty governs how tankers must dispose of oil, compliance has been a problem. *Intentional Oil Pollution at Sea* is a detailed case study of how international environmental treaties can be made more effective. Combining theoretical analysis with a rigorous empirical evaluation of changes in the compliance process over time, it identifies policies that have increased compliance by governments and the oil transportation industry with discharge restrictions, equipment requirements, enforcement, and reporting. Ronald Mitchell introduces the debate over environmental treaty compliance, compliance theory, and a history of intentional oil pollution. He then uses a wealth of data to study efforts to change government and industry behavior in reporting on treaty performance, enforcing rules, and complying with equipment and discharge standards. He closes with theoretical conclusions drawn from the empirical analysis regarding the sources of effective treaty compliance as well as prescriptions for policymakers about how to negotiate more effective future environmental agreements. Global Environmental Accords series

International Marine Environmental Law and Policy

Drawing on the essential premises of the Law of the Sea Convention as constotution of the oceans, this book looks into the ways it can be evolved to accommodate new challenges to its regulatory scheme.

Pollution, Politics, and International Law

This volume addresses selected aspects of the international legal framework for developing energy resources in marine areas. The main themes include competition for marine space, energy security, the role of private actors, fragmentation or integration of international law and liability.

Environmental Risks for Major Projects

The book examines whether the jurisdiction of coastal States under international law can be extended to include powers of intervention towards vessels posing a significant risk to their coastal and marine environment, but which have not yet been involved in any incident or accident. The books sets out how it is that coastal State jurisdiction can indeed be seen as including powers of intervention towards High Risks Vessels before an incident or accident happens, on the basis of the precautionary principle. The precautionary principle requires taking action when a risk of damage to the environment is suspected, but cannot be confirmed scientifically. The book thus considers the potential opportunities for the coastal state under international law to regulate international shipping where they consider vessels to an unacceptable risk to the environment, in order to prevent or minimise the risk of occurrence of the accident or incident leading to damage. The book acknowledges that this puts into question some very old and established principles of the law of the sea, most importantly the principle of freedom of navigation. But Bénédicte Sage-Fuller contends that this change would itself be a consequence of the evolution, since the end of WWII, of on the one hand international law of the sea itself, and of international environmental law on the other hand.

Intentional Oil Pollution at Sea

In *Maritime Pollution Contingency Planning*, authors from ten different countries offer descriptions of national and regional contingency plans across the Asia-Pacific region and provide analysis of how contingency planning efforts can continue to be strengthened to avoid future marine pollution disasters.

Functional Jurisdiction in the Law of the Sea

Identifying the sources and effects of land-based marine pollution, this volume analyzes the problems of controlling them and examines the management principles, policy and regulation at both regional and international level. The text provides a valuable insight into an important area of international environmental law.

The Environmental Law of the Sea

From the time it was first published in 1998, *Shipping and the Environment* has been the leading text on international and US law and practice in this field. Written by renowned legal and insurance practitioners with over 100 years of combined specialist experience, including first-hand knowledge of many major incidents, it is not only a comprehensive reference work but an abundant source of introductory material and practical insights, all explained with a clarity appreciated by lawyers and non-lawyers alike in a broad international readership. While updating its core subjects of pollution from ships, wreck removal and dumping at sea, this enlarged text extends into other modern areas including pollution from offshore operations after Deepwater Horizon, plastics released into the sea, recycling of vessels, polar operations, and the fast-changing restrictions on carbon emissions from ships, as well as safety threats such as cyberattacks, terrorism and modern forms of piracy. With a highly readable introductory chapter amounting to a book within a book, this is a volume of great importance to all whose work or studies are concerned with marine environmental affairs, whether in government, international bodies, industry, technical organizations, the professions, environmental NGOs, the academic world or other walks of life.

Energy from the Sea

Focusing on damage affecting the seas--tank spills, for example, or the dumping of wastes--this book seeks to identify and illustrate a set of international legal rules for determining if and when a country should be held responsible for environmental harm.

The Precautionary Principle in Marine Environmental Law

Taking stock of all the major developments in the field of international environmental law, this text explores core assumptions and concepts, basic analytical tools and key challenges.

Marine Pollution Contingency Planning

This book addresses the international legal dimension of the management of the risk of accidents associated with offshore oil and gas activities. It focuses on the prevention and minimization of harm as well as the post-accident management of loss through liability and compensation arrangements and the processing of mass claims for compensation. Government officials of countries with offshore industries, international civil servants and academics in related fields will find the book a valuable resource.

Protecting the Marine Environment from Land-based Sources of Pollution

Civil Liability and Financial Security for Offshore Oil and Gas Activities provides insights into the liability and compensation regime for offshore-related damage. The book analyses the legal regime in a variety of states (including the US and the UK) as well as the EU regime. In addition, the various compensation mechanisms and amounts available today to compensate offshore-related damage are described and critically analysed. Moreover, the book is based on in-depth interviews with a wide variety of relevant stakeholders including insurers, representatives from supervisory authorities, and oil and gas producers. This volume also provides a variety of policy recommendations, formulated to provide an optimal compensation regime for offshore-related damage.

Shipping and the Environment

This second edition of Philippe Sands' leading textbook on international environmental law provides a clear and authoritative introduction to the subject, revised to December 2002. It considers relevant new topics, including the Kyoto Protocol, genetically modified organisms, oil pollution, chemicals etc. and will remain the most comprehensive account of the principles and rules relating to environmental protection and the conservation of natural resources. In addition to the key material from the 1992 Rio Declaration and subsequent developments, Sands also covers topics including the legal and

institutional framework, the field's historic development and standards for general application. This will continue to be an invaluable resource for both students and practitioners alike.

Protecting the Polar Marine Environment

Despite bringing prosperity, industrialisation generally leads to increasing levels of pollution which has a detrimental impact on the environment. In response, legislation which seeks to control or prevent such impact has become common. Similarly, climate change and energy security have become major drivers for the regulatory regimes that have emerged in the energy field. Given the global or regional scope of many environmental problems, international cooperation is often necessary to ensure such legislation is effective. The EU and the UK have contributed to the development of the environmental and energy law regimes currently in force, spanning across international, transnational and national levels. At the same time, practical responses to environmental and energy problems have largely been the focus of engineers, scientists and other technical experts. Environmental & Energy Law attempts to bridge the knowledge gap between legal developments designed to achieve environmental and/or energy-related objectives and the practical, scientific and technical considerations applicable to the same environmental problems. In particular, it attempts to convey a broad range of topical issues in environmental and energy law, from climate and energy regulation, technology innovation and transfer, to pollution control, environmental governance and enforcement. In addition the book outlines key sector specific legal regimes (including water, waste and air quality management), focusing on issues or topics that are particularly relevant to both environmental and energy lawyers, and engineering, science and technology-oriented professionals and students. In this vein, the book guides the reader on some basic practical applications of the law within scientific, engineering and other practical settings. The book will be useful to all those working or studying in the environmental or energy arena, including law students, legal professionals, engineering and science students and professionals. By adopting a multi-disciplinary approach to environmental and energy law, the book embraces all readerships and helps to address the often thorny problem of communication between scientists, engineers, lawyers and policy-makers.

Protecting the Gulf of Aqaba

This new work contains a detailed analysis and description of international and regional conventions, multilateral and bilateral agreements, national laws and regulations, official statements and policy documents, licences, contracts and commercial cooperation agreements concerning the search for and exploitation of petroleum reservoirs. It analyses regulatory activity aimed at providing rules for the orderly conduct of these operations, at maximising the economic, strategic and fiscal benefits and at satisfying legitimate environmental concerns. An Introduction to the Regulation of the Petroleum Industry offers a detailed and accessible analysis of these complex issues and provides essential reading for international consultants and legal professionals negotiating and devising regulatory and cooperative aspects of petroleum operations and for geologists, petroleum engineers and others in charge of petroleum ventures and joint ventures.

State Responsibility and the Marine Environment

This comprehensive volume of the Elgar Encyclopedia of Environmental Law provides an overview of the major elements of energy law from a global perspective. Based on an in-depth analysis of the energy chain, it offers insight into the impacts of climate change and environmental issues on energy law and the energy sector. This timely reference work highlights the need for modern energy law to consider environmental impacts and promote the use of clean energy sources, whilst also safeguarding a reliable and affordable energy supply.

The Oxford Handbook of International Environmental Law

The main focus of this important book is on civil liability regimes to compensate for ecological/environmental damage, the impact of EC decision-making on the international regime for oil pollution damage, the use of environmental funds in this respect, the economic valuation of damage to the environment from a theoretical perspective and the application of the Contingent Valuation Method in Belgium for ecological damage at sea.

Managing the Risk of Offshore Oil and Gas Accidents

The public trust doctrine. Role of the states. Managing coastal development. National environmental policy act ...

Civil Liability and Financial Security for Offshore Oil and Gas Activities

The Conference on Codification of Environmental Law was organised on the occasion of the presentation of the Draft Decree on Environmental Policy to the Flemish government. The Draft Decree was prepared by the Interuniversity Commission for the Revision of Environmental Law in the Flemish Region. It codifies and revises environmental protection law and has, to a large extent, been influenced by EC Law. The conference provided a forum for the analysis of experiences and plans for codification in a number of EC Member States, the role of international law in the codification process and the essential procedural and substantive difficulties to be dealt with in codifying national environmental law. This book will be published in conjunction with the English version of the Draft Decree and its detailed analysis, a publication which has been sponsored by the Flemish government.

Principles of International Environmental Law

The grave concern of governments for the negative impact on the world climate caused by the release into the atmosphere of CO₂ resulting from human activity, and under human control, such as the burning and combustion of oil products from the refinery, of natural gas and coal (the fossil fuels) made it possible for the international community to agree to and establish a global climate agreement, viz. The Paris Agreement of 1915. In order to meet the objectives of this Agreement, governments will try (among other measures) to curb the consumption of fossil fuels. This will not be easy since, in particular in less advanced economies, fossil fuels are for the coming decades indispensable. In more advanced economies, there are alternatives available, but as long as a possible switching to nuclear fission energy meets with public opposition, even the more advanced economies will remain dependent on fossil fuels for the coming decades. In its deeply informed discussion of the involvement of industry and governments with the production and use of petroleum, the prodigious scope of the coverage encompasses the following and much more: technical and environmental aspects of the production of oil and natural gas; position and function of petroleum and natural gas in the economy; government policies and attitudes towards fossil fuels, particularly with respect to climate change; national and international regulation of onshore or offshore petroleum operations; how oil and natural gas markets work; old and new forms and manifestations of political risk; distinction between licence-based and contract-based petroleum legislation; production sharing agreements; and petroleum taxation. The author draws on laws, contracts, government policy documents, trade journals, and statistical data available from international organizations and institutes and international oil companies. Underlying much of the review and discussion are governmental concerns with the prospects for economic alternatives and control of CO₂ emissions. The often conflicting policy options open to governments and the consequences, if any, for both oil and natural gas and the petroleum industry are reviewed and discussed. All statistics and projections regarding reserves, production and consumption of oil and natural gas have been updated. Because so much continues to happen in the realm covered by this book, all who depend on its previous editions will need this updated and significantly rewritten edition. An indispensable resource for petroleum policymakers at every level, this book is of special importance and interest to petroleum venture managers, as well as for lawyers, independent consultants, and other professionals who are required to give advice with respect to the economic, regulatory, and cooperative aspects of petroleum operations.

Environmental and Energy Law

An Introduction to the Regulation of the Petroleum Industry:Laws, Contracts and Conventions