Bespoke Environmental Permit Application

'Build Over There' challenges our conception of the often contradictory forces that shape and control our cities, why we have deemed it necessary to publicly regulate and invest in them, and what lies at stake for us, our homes and our communities with the changes arising from de

This toolkit, based on existing good practice, aims to help governments in the EU's Eastern Partnership (EaP) countries (Armenia, Azerbaijan, Belarus, Georgia, Moldova and Ukraine) to design and implement key instruments to promote environmental compliance and green business practices among ...

Approached thematically to help students plot a memorable map of the issues, the ninth edition of this established text provides far-reaching, lucid coverage of the fundamentals and enriching learning features to develop critical thinking and high-level understanding.

Written by Adrian Belcham, author of Manual of Environmental Management, this is the essential guide to prepare you for the IEMA Associate Membership Exam and NEBOSH Diploma in Environmental Management. Through the inclusion of revision tips, exam guidance and self-test questions, this guide will consolidate your understanding of environmental management and help you to prepare for your exam. It provides full coverage for both the IEMA and NEBOSH exams and includes coloured sections to help you to identify the content relevant for each qualification. Small, handy size ideal for on the move Illustrations and tables to improve understanding Written by expert tutor of IEMA and NEBOSH environmental qualifications.

The goal of improving public health involves the use of different tools, with the law being one way to influence the activities of institutions and individuals. Of the regulatory mechanisms afforded by law to achieve this end, criminal law remains a perennial mechanism to delimit the scope of individual and group conduct. Utilising criminal law may promote or hinder public health goals, and its use raises a number of complex questions that merit exploration. This examination of the interface between criminal law and public health brings together international experts from a variety of disciplines, including law, criminology, public health, philosophy and health policy, in order to examine the theoretical and practical implications of using criminal law to improve public health.

Environmental rights are a category of human rights necessarily central to both democracy and effective earth system governance (any environmental-ecological-sustainable democracy). For any democracy to remain democratic, some aspects must be beyond democracy and must not be allowed to be subjected to any ordinary democratic collective choice processes shy of consensus. Real, established rights constitute a necessary boundary of legitimate everyday democratic practice. We analyze how human rights are made democratically and, in particular, how they can be made with respect to matters environmental, especially matters that have import beyond the confines of the modern nation state.

Polymers are used in everything from nylon stockings to commercial aircraft to artificial heart valves, and they have a key role in addressing international competitiveness and other national issues. Polymer Science and Engineering explores the universe of polymers, describing their properties and wide-ranging potential, and presents the state of the science, with a hard look at downward trends in research support. Leading experts offer findings, recommendations, and research directions. Lively vignettes provide snapshots of polymers in everyday applications. The volume includes an overview of the use of polymers in such fields as medicine and biotechnology, information and

communication, housing and construction, energy and transportation, national defense, and environmental protection. The committee looks at the various classes of polymers--plastics, fibers, composites, and other materials, as well as polymers used as membranes and coatings--and how their composition and specific methods of processing result in unparalleled usefulness. The reader can also learn the science behind the technology, including efforts to model polymer synthesis after nature's methods, and breakthroughs in characterizing polymer properties needed for twenty-first-century applications. This informative volume will be important to chemists, engineers, materials scientists, researchers, industrialists, and policymakers interested in the role of polymers, as well as to science and engineering educators and students. Bringing together a broad range of topics on resource recovery this book provides a valuable resource for those working in green chemistry and waste management.

The environmental impact of development projects is currently studied and mitigated from two distinct perspectives: before and after project implementation, with environmental impact assessment (EIA) and environmental management systems (EMS) being the main instruments on the respective sides. This double perspective creates a discontinuity in the way environmental impacts are analysed, an issue that has been noted by both academics and practitioners. This book gathers and presents both theoretical and actual examples to link EIA with EMS and explores ways to overcome difficulties and provide innovative solutions. Academic researchers, advanced students, EIA practitioners and EMS practitioners will find the book essential for the theoretical explorations of how the link might occur and practical examples in which to explore and critique these theories.

Manual of Environmental Management is a practical guide for those involved in the control and reduction of environmental impacts in organisations. This comprehensive and practical guide takes you through the main environmental challenges organisations face and the improvement strategies used to manage them. Chapter by chapter, Manual of Environmental Management discusses the fundamental issues and principles surrounding environmental policy, law and management and provides crucial information on how to respond and implement environmental programmes. This book is the perfect reference tool for the environmental professional and an invaluable study text for those preparing for professional examinations such as the NEBOSH Environmental Diploma and IEMA Associate Membership Exam.

The Global Innovation Index 2020 provides detailed metrics about the innovation performance of 131 countries and economies around the world. Its 80 indicators explore a broad vision of innovation, including political environment, education, infrastructure and business sophistication. The 2020 edition sheds light on the state of innovation financing by investigating the evolution of financing mechanisms for entrepreneurs and other innovators, and by pointing to progress and remaining challenges – including in the context of the economic slowdown induced by the coronavirus disease (COVID-19) crisis.

Makes the case for systems thinking in an easily accessible form for a broad interdisciplinary audience, including health system stewards, programme implementers, researchers, evaluators, and funding partners.

In this book readers will find technological discussions on the existing and emerging technologies across the different stages of the big data value chain. They will learn about legal aspects of big data, the social impact, and about education needs and requirements. And they will discover the business perspective and how big data technology can be exploited to deliver value within different sectors of the economy. The book is structured in four parts: Part I "The Big Data Opportunity" explores the value potential of big data with a particular focus on the European context. It also describes the legal, business and social dimensions that need to be addressed, and briefly introduces the European Commission's BIG project. Part II "The Big Data Value Chain" details the complete big data lifecycle from a technical point of view, ranging from data acquisition, analysis, curation and storage, to data usage and exploitation. Next, Part III "Usage and Exploitation of Big Data" illustrates the value creation possibilities of big data applications in various sectors, including industry, healthcare, finance, energy, media and public services. Finally, Part IV "A Roadmap for Big Data Research" identifies and prioritizes the cross-sectorial requirements for big data research, and outlines the most urgent and challenging technological, economic, political and societal issues for big data in Europe. This compendium summarizes more than two years of work performed by a leading group of major European research centers and industries in the context of the BIG project. It brings together research findings, forecasts and estimates related to this challenging technological context that is becoming the major axis of the new digitally transformed business environment.

Hundreds of million tonnes of agricultural and food waste are produced each year around the world, most of which is just that, waste. Anaerobic digestion, biogas and the heat and electricity that can be produced from it is still a nascent industry in many countries, yet the benefits of AD spread throughout the community: Gives good financial returns to farmers and eco-entrepreneurs. Helps community leaders meet various policies and legislative targets. Offers an environmentally sensitive waste disposal option. Provides a local heat and power supply, & creates employment opportunities Reduces greenhouse gas emissions, as well as providing an organic fertilizer. Although the process of AD itself is relatively simple there are several system options available to meet the demands of different feedstocks. This book describes, in simple, easy to read language the five common systems of AD; how they work, the impact of scale, the basic requirements, the costs and financial implications, and how to get involved in this rapidly growing green industry.

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.

With global wildlife populations and biodiversity riches in peril, it is obvious that innovative methods of addressing our planet's environmental problems are needed. But is "the market" the answer? Nature™ Inc. brings together cutting-edge research by respected scholars from around the world to analyze how "neoliberal conservation" is reshaping human–nature relations.

Contains a full account of administrative law in the context of social, political and economic forces shaping the law.

Project Finance, edited by Phillip Fletcher and Aled Davies of Milbank, Tweed, Hadley & McCloy LLP, provides a comparative guide to the most important issues related to project finance regulation across jurisdictions worldwide, including: collateral, foreign exchange, remittances and repatriation of foreign earnings, existing liens, offshore and foreign currency accounts, foreign investment and ownership restrictions, government approvals, foreign employee and equipment import restrictions, nationalisation and expropriation, international arbitration, export and structure of project companies. In an easy-to-use question and answer format, trusted and reliable information on key topics of law and regulation in this area is provided by leading practitioners around the world. As well as in-depth comparative study of the topic in 26 jurisdictions there is also an editorial chapter covering the US PPP market's progress and challenges. &quote;The comprehensive range of guides produced by GTDT provides practitioners with an extremely useful resource when seeking an overview of key areas of law and policy in practice areas or jurisdictions which they may otherwise be unfamiliar with.&quote; Gareth Webster, Centrica Energy E&P

EU Environmental Law is a critical, comprehensive and engaging account of the essential and emerging issues in European environmental law and regulation today. Suitable for advanced undergraduate and postgraduate students, the book delivers a thematic and contextual treatment of the subject for those taking courses in environmental law, environmental studies, regulation and public policy, and government and international relations. Placing the key issues in context, EU Environmental Law takes an interdisciplinary and thematic approach to help students to better understand the implementation and enforcement of environmental law and policy across Europe. It offers an accessible overview, and links theory with practical applications that will allow students to contextualise the outcomes of legal rules and their impact on public and private behaviours. It provides a definitive account of the subject, examining traditional topics such as nature conservation law, waste law and water law, alongside increasingly important fields such as the law of climate change, environmental human rights law, and regulation of GMOs and nanotechnology.

It has been estimated that if every country consumed natural resources at the rate of the UK, we would need three planets to live on. Given this scenario, reducing waste is a key aspect of sustainable development, breaking the link between economic growth and waste growth. This White Paper sets out the Government's policy for waste management in England, building on the progress made since the Waste Strategy 2000 (Cm. 4693-I, ISBN 9780101469326 and Cm. 4693-II, ISBN 9780101469333) was published in May 2000. The main elements of the new strategy are: i) to incentivise efforts to reduce, re-use and recycle waste and recover

energy from waste, including increasing the landfill tax escalator and consulting on removing the ban on introducing local household charges to promote waste reduction and recycling; ii) to reform regulation to drive the reduction of waste and diversion from landfill while reducing costs to compliant businesses and the regulator, including introducing waste protocols, consulting on the introduction of further restrictions on the landfilling of biodegradable wastes or recyclable materials, and ensuring effective action on flytipping and on illegal dumping abroad; iii) to target action on materials, products and sectors with the greatest scope for improving environmental and economic outcomes, including promoting producer responsibility through setting packaging standards to reduce excess packaging; iv) stimulate investment in collection, recycling and recovery infrastructure, and markets for recovered materials to maximise their energy value; and v) to improve national, regional and local governance, with a clearer performance and institutional framework to deliver better co-ordinated action and services on the ground, including the establishment of a Defra-led Waste Strategy Board to provide leadership within and across government.

Environmental issues can present some daunting operational concerns for all types of organization, whether in the private, public and voluntary sectors. Managing them requires environmental professionals with a working knowledge of the rapidly developing body of regulatory measures. This new edition of Environmental Management in Organizations provides all the management tools, performance measures and communication strategies that organizations need to manage their environmental responsibilities effectively. Leading experts on each topic provide focused explanations and clear practical guidance, as well as setting out the context and the key environmental and management drivers. This edition significantly updates the original handbook to take account of developments in the environmental agenda, including new dedicated chapters on climate change, energy, transport, biodiversity and chemicals. Published with IEMA.

Building on OECD previous analysis, this publication shows that Kazakhstan's environmental payments (environmentally related taxes, non-compliance penalties and compensation for damage regulation) for industrial air pollutants, as currently applied, impede energy efficiency and pollution abatement with heavy-handed non-compliance responses and focus on rising revenues. They also add to the cost of doing businesses in the country with limited environmental benefit. In the spirit of the Polluter-Pays Principle, much more reforms of regulation of environmental payments are needed. This report provides guidelines for reform drawing from air pollution regulations in OECD member countries and the results of the analysis of the system in Kazakhstan carried out by the OECD in close co-operation with the Government of Kazakhstan.

The UK's 347,000 kilometre network of sewers and 9,000 sewage treatment works fulfil the vital function of managing over 11 billion litres of waste water each day. Changing weather patterns and population growth are leading to increased volumes of waste water in some parts of the country. In coming years, there will be a need to construct new infrastructure to manage waste water. In particular, new infrastructure is needed in the River Thames area to cope with population growth and to meet the European Union's environmental requirements. But the draft National Policy Statement (NPS) on Waste Water needs radical improvement if it is to provide a valuable policy framework to guide decision-makers. The Committee criticise the draft National Policy Statement

for focussing on two specific London projects, the Thames Tunnel and replacement of a sewage treatment works in North East London. They argue that it should set out a strong set of general principles for decision makers to apply to any waste water project once a specific application is made, rather than have site-specific sections. The Planning Act 2008's new regime for Nationally Significant Infrastructure (NSIPs) does not currently apply to the Thames Tunnel project-a surprising omission given that this multi-billion pound project is one of only two waste water projects likely to be of sufficient scale to come within the ambit of this NPS. The Government must rectify this urgently.

Environmental public health is an interdisciplinary approach to the study of the direct and indirect impact of exposure to environmental hazards on the public's health and wellbeing. Assessing and addressing the risks of chemical, ionising and non-ionising radiation, and noise hazards requires a sound knowledge of toxicology, environmental epidemiology, environmental science, health risk assessment, and public health principles. Essentials of Environmental Science for Public Health provides practical guidance on the technical aspects of environmental and public health investigations. Written by leaders in the field, the authors provide practical, expert advice on a range of topics from key concepts and framework for investigation to contaminated land and waste management. Case studies are used to aid learning and understand of the topics discussed. Produced by Health Protection England, Essentials of Environmental Science for Public Health offers a comprehensive and structured approach to understanding environmental public health issues and will be essential reading for all students and professionals in environmental public health.

The Health and Safety, Premises and Environment Handbook 2012 provides you with all the essential information you need on legislation, regulation, policy, case law and best practice. Information is presented in plain English, and broken down into separate A-Z sections containing legislative summaries, key points, handy fact boxes and sources of further information. All the guidance is written and compiled by our team of expert authors, including top law firms, surveyors, safety consultants and regulatory bodies. Workplace Law's Health and Safety, Premises and Environment Handbook is aimed at all those with an interest in the health and safety, premises and environmental management aspects of the workplace, and so our readership consists mainly of Health and Safety managers, officers and directors, Facilities Managers, as well as General Managers and Directors of small businesses. One of the fundamental challenges currently facing the EU is that of reconciling its economic and environmental policies. Nevertheless, the role of environmental protection in EU competition law and policy has often been overlooked. Recent years have witnessed a shift in environmental regulation from reliance on command and control to an increased use of market-based environmental policy instruments such as environmental taxes, green subsidies, emissions trading and the encouragement of voluntary corporate green initiatives. By bringing the market into environmental policy, such instruments raise a host of issues that competition law must address. This interdisciplinary treatment of the interaction between these key EU policy areas challenges the view that EU competition policy is a special case, insulated from environmental concerns by the overriding efficiency imperative, and puts forward practical proposals for achieving genuine integration.

Regulation, Enforcement and Governance in Environmental Law is an updated edition of Richard Macrory's most influential writings. Spanning his entire career, these are all works which have helped shape contemporary environmental law and policy. The book includes the full text of his 2006 Cabinet Office Review on Regulatory Sanctions, new chapters on the Climate Change Act 2008, the Environment Tribunal, and analysis of recent leading cases. The book is divided into five thematic sections: Regulatory reform, Institutional Reform and Change, the Dynamics of Environmental Law, the Courts and the Environment and Europe and the Environment. Reviews of the first edition: 'This book is surely destined to become a 'must read' for anyone (academic, practitioner or student) interested in the development of regulation, enforcement, and environmental governance.' P Bishop, IUCN Academy of Environmental Law Journal 'An excellent reference work on environmental law....an extremely important and valuable edition to the environmental lawyer's bookshelf.' C Abbot, Journal of Environmental Law 'It is a rare to find a volume which consumes one's attention for 765 pages – and rarer still that such a blockbuster be a law book...This book is not solely for environmental enthusiasts – it should be essential reading for anyone concerned with the institutional reform, transparency and accountability in the UK and EU.' C MacKenzie, Cambridge Law Journal

Wave, tidal and offshore wind technologies have long held the promise of seemingly limitless energy supplies. In practice, while offshore wind is growing relatively rapidly, all three sectors have lagged behind expectations. This book, from the International Energy Authority Renewable Energy Technology Deployment implementing agreement (IEA-RETD), examines the reasons for this and suggests how barriers to deployment might be overcome. Beginning with an assessment of the marine energy resource, it provides a detailed introduction to the main technologies currently being employed to harness wind, tidal and offshore wind power. It then examines the types of policies which are used to encourage deployment around the world, and progress towards meeting targets. The economics of offshore energy projects are discussed, along with risks that projects face and the types of finance which are available. A final section turns to barriers - both technical and non-technical (including environmental, health and safety, skill related, supply chain and more) - and in all cases suggests how to mitigate and remove these barriers. Highly illustrated in full colour, this is an indispensable resource for anyone - whether in industry, policy or academia - looking to learn more about how deployment of offshore renewable energy technologies can be encouraged.

Even though most organizations have extensive safety, health, and environmental protocols in place, things often go wrong. Having good quality instructions is only half the battle. An equally crucial part of a good quality process is auditing, the step that ensures compliance with the procedures. Safety, Health, and Environmental Auditing

Clay's Handbook of Environmental Health, since its first publication in 1933, has provided a definitive guide for the environmental health practitioner or reference for the consultant or student. This twentieth edition continues as a first point of reference, reviewing the core principles, techniques and competencies, and then outlining the specialist subjects. It has been refocused on the current curriculum of the UK's Chartered Institute of Environmental Health but should also readily suit the generalist or specialist working outside the UK.

Ireland's progress in delinking the economy from environmental pressures has been uneven in the last decade. Greenhouse gas emissions, waste generation and nutrient pollution rose with strong economic growth between the mid-2010s and the inception of the COVID?19 pandemic.

This ground-breaking book addresses the challenge of regulatory delivery, defined as the way that regulatory agencies operate in practice to achieve the intended outcomes of regulation. Regulatory reform is moving beyond the design of regulation to address what good regulatory delivery looks like. The challenge in practice is to operate a regulatory regime that is both appropriate and effective. Questions of how regulations are received and applied by those whose behaviour they seek to control, and the way they are enforced, are vital in securing desired regulatory outcomes. This book, written by and for practitioners of regulatory delivery, explains the Regulatory Delivery Model, developed by Graham Russell and his team at the UK Department for Business, Energy and Industrial Strategy. The model sets out a framework to steer improvements to regulatory delivery, comprising three prerequisites for regulatory agencies to be able to operate effectively (Governance Frameworks, Accountability and Culture) and three practices for regulatory agencies to be able to deliver societal outcomes (Outcome Measurement, Risk-based Prioritisation and Intervention Choices). These elements are explored by an international group of experts in regulatory delivery reform, with case studies from around the world. Regulatory Delivery is the first product of members of the International Network for Delivery of Regulation.

This book provides a critical examination of contemporary approaches to environmental regulation in the UK and the European Union. It also explores how regulation has evolved in response to a number of factors, including industrial development and improved scientific knowledge, while considering the radical next steps that need to be taken in response to existing challenges. Developments in Environmental Regulation draws its focus on the effects of risk-based approaches to the environmental regulation of business and industry, including its impact on sustainable economic growth. The book also considers the challenges and potential opportunities that surround the UK's withdrawl, or 'Brexit', from the European Union. This edited collection has been written by a group of highly experienced regulatory specialists whose insightful perspectives on key areas of environmental regulation are situated at the core of this work. This book will appeal to students and academics, policy-makers and environmental practitioners interested in understanding how environmental policy and regulation is applied and how it can be adapted to its political context.

Environmental Enforcement Authorities (EEAs), sometimes called Environmental Protection Agencies (EPAs), are the regulatory, monitoring and enforcement agencies of national, state/provincial and local governments worldwide responsible for implementing, monitoring and enforcing environmental legislation. This one-of-a-kind, authoritative handbook offers a comprehensive assessment of the principles and best practice of EEAs throughout the world with a focus on Europe, the USA, Canada, Australia, east and south-east Asia and various other OECD, transition and developing countries.The book assesses structures, expertise and capacity, financing, permitting, monitoring, inspection, enforcement and EEA performance and future directions. It also

identifies best practice for creating or improving EEAs. It offers substantial information for industry on the nature of compliance with environmental regulations as well as vital information for professionals, consultants, NGOs and researchers working at the interface between government EEAs and industry.

Reviews the changing context and challenges to environmental mainstreaming, discusses what it takes to achieve effective mainstreaming, and provides guidance for selecting operational methods and tools. This title explores the emphasis on getting environmental issues reflected in the government processes.

"Written with real clarity by authors teaching and researching in the field, Wolf and Stanley on Environmental Law offers an excellent starting point for both law and non-law students encountering this diverse and rapidly developing subject for the first time. The focus of the book is on the regulation and control of pollution and includes chapters on environmental permitting, waste management, air and water pollution and contaminated land. The book also includes the administration and enforcement of environmental law, EU environmental law, the environmental torts and the private regulation of environmental law. The book is supported by a range of learning features designed to help students: Consolidate your learning: Chapter learning objectives and detailed summaries clarify and highlight key points Understand how the law works in practice: 'Law in Action' features demonstrate the application of pollution control law Plan your research: Detailed end of chapter further reading sections outline articles, books and online resources that provide next steps for your research This sixth edition has been updated and revised to take into account recent developments in the subject, including coverage of the Environmental Permitting (England and Wales) Regulations 2010; developments in the Environment Agency enforcement and sanctions policy documents; updates relating to the defence of statutory authority in the tort of private nuisance; and current issue relating to compliance with the Aarhus Convention Suitable for students of environmental law and the wider environmental studies, Wolf and Stanley on Environmental Law is a valuable guide to this wide-ranging subject"--

Managing Data in Motion describes techniques that have been developed for significantly reducing the complexity of managing system interfaces and enabling scalable architectures. Author April Reeve brings over two decades of experience to present a vendor-neutral approach to moving data between computing environments and systems. Readers will learn the techniques, technologies, and best practices for managing the passage of data between computer systems and integrating disparate data together in an enterprise environment. The average enterprise's computing environment is comprised of hundreds to thousands computer systems that have been built, purchased, and acquired over time. The data from these various systems needs to be integrated for reporting and analysis, shared for business transaction processing, and converted from one format to another when old systems are replaced and new systems are acquired. The management of the "data in motion" in organizations is rapidly becoming one of the biggest concerns for business and IT management. Data warehousing and conversion, real-time data integration, and cloud and "big data" applications are just a few of the challenges facing organizations and businesses today. Managing Data in Motion tackles these and other topics in a style easily understood by business and IT managers as well

programmers and architects. Presents a vendor-neutral overview of the different technologies and techniques for moving data between computer systems including the emerging solutions for unstructured as well as structured data types Explains, in non-technical terms, the architecture and components required to perform data integration Describes how to reduce the complexity of managing system interfaces and enable a scalable data architecture that can handle the dimensions of "Big Data"

This paper contains the draft Water Bill itself and explains the context and rationale for its measures. The draft Water Bill will deliver legislative commitments set out in the Water White Paper (Cm. 8230, ISBN 9780101823029). It will, implement a package of retail and upstream market reforms; allow complementary changes to Ofwat's regulatory regime; allow the scope of the environmental permitting regulations to be extended from prevention of pollution to include the abstraction and impounding of water, flood defence consenting and fish pass approvals; and make minor changes to existing legislation to reduce and simplify regulatory and administrative burdens. The reforms will mainly apply to England and Wales but will also allow for a joint water and sewerage retail market with Scotland

This 2007 book examines environmental law from a range of perspectives, emphasising the policy world from which environmental law is drawn and nourished. Those working within the discipline of environmental law need to engage with concepts and methods employed by disciplines other than law. The authors analyse the ways in which legal activities are supported and legitimated by work in traditional scientific or technical domains, as well as by certain more obscure but also influential cultural or philosophical assumptions. A range of regulatory techniques is explored in this book, through a close examination of both pollution control and land use. The highly complex nature of current environmental problems, demanding sophisticated and responsive legal controls, is illustrated by several in-depth case studies, including legal and policy analysis of the highly contested issues of genetically modified organisms and renewable energy projects.