

Ocimf Mooring Equipment Guidelines

Even when the market is cloudy, LNG's future remains bright, with long-term annual growth projected to be steady. Natural gas is the cleanest burning fossil fuel and offers a potential solution to concerns over global warming and air pollution. In this updated and revised second edition, authors Michael D. Tusiani and Gordon Shearer uses everyday language and real-world examples to help readers understand the complex LNG industry. It provides the reader with insights into changes in the markets, technological advances, and the commercial evolution of what continues to be one of the most capital-intensive and formidable global industries. Features Include: Explains the technologies utilized: liquefaction, shipping and regasification, onshore and floating Covers existing and proposed worldwide LNG projects Examines the economics and commercial structure of the LNG industry, including synopses gas supply agreements, LNG sales contracts, and financing Discusses shipping conventions and regulations This book is an important resource for energy industry leaders, investment bankers, energy professionals, or anyone looking to expand their knowledge of the LNG industry.

This comprehensive book covers all major aspects of the design and maintenance of port facilities, including port planning, design loads for today's larger vessel size, seismic design guidelines, and breakwater design. New material addresses environmental concerns, the latest developments on inter-modal hubs and transfer points, and the latest information on port security and procedures being implemented around the world.

The safety record of lightering (the transfer of petroleum cargo at sea from a large tanker to smaller ones) has been excellent in U.S. waters in recent years, as evidenced by the very low rate of spillage of oil both in absolute terms and compared with all other tanker-related accidental spills. The lightering safety record is likely to be maintained or even improved in the future as overall quality improvements in the shipping industry are implemented. Risks can be reduced even further through measures that enhance sound lightering standards and practices, support cooperative industry efforts to maintain safety, and increase the availability of essential information to shipping companies and mariners. Only continued vigilance and attention to safety initiatives can avert serious accidents involving tankers carrying large volumes of oil.

Over the past twenty years there has been considerable improvement and new information in the design of port and berth structures. This handbook reflects the latest progress and developments in navigation safety, port planning and site selection, layout of container, oil and gas terminals, cargo handling, berth design and construction, fender and mooring principles. It presents guidelines and recommendations for the main items and assumptions in the layout, design and construction of modern port structures, and the forces and loadings acting on them. The book provides an evaluation of different designs and construction methods for port and berth structures, and recommendations given by the different international harbour standards and recommendations. Practising harbour and port engineers and students will find the handbook an invaluable source of information. Guidance on the safe transport of dangerous cargoes (covering oils, noxious liquid chemicals and gases carried in bulk, solid bulk materials possessing chemical hazards, solid bulk materials hazardous only in bulk, harmful substances in packaged form) and related activities in port areas as part of the transport chain was first circulated by the IMO in 1973. This is the 3rd edition of the guidance which includes a new chapter on security provisions, a new annex on fumigation of cargo areas, a new glossary of terminology and up-to-date recommendations for the IMDG Code and other relevant codes.

This indispensable handbook provides state-of-the-art information and common sense guidelines, covering the design, construction, modernization of port and harbor related marine structures. The design procedures and guidelines address the complex problems and illustrate factors that should be considered and included in appropriate design scenarios.

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This comprehensive yearbook is the only compendium, in any language, of policy, scientific and legal developments concerning the occurrence, regulation and control of marine pollution. The breadth of scope of the volume reflects the increasing concern at all levels of government, scientific enquiry and society with these issues. Comprehensive updates of marine-related legislation and the activities of a number of international and intergovernmental organisations are included. Forewords to each chapter are contributed by prominent politicians and experts in the field of environmental science. Over 200 references and numerous tables and illustrations augment the wealth of data within the text, including several case studies and coverage of recent conventions. In the light of increasing pressure on the marine environment from human activities, the yearbook provides a unique contribution to the study of marine pollution worldwide.

Over the last three decades the process industries have grown very rapidly, with corresponding increases in the quantities of hazardous materials in process, storage or transport. Plants have become larger and are often situated in or close to densely populated areas. Increased hazard of loss of life or property is continually highlighted with incidents such as Flixborough, Bhopal, Chernobyl, Three Mile Island, the Phillips 66 incident, and Piper Alpha to name but a few. The field of Loss Prevention is, and continues to, be of supreme importance to countless companies, municipalities and governments around the world, because of the trend for processing plants to become larger and often be situated in or close to densely populated areas, thus increasing the hazard of loss of life or property. This book is a detailed guidebook to defending against these, and many other, hazards. It could without exaggeration be referred to as the "bible" for the process industries. This is THE standard reference work for chemical and process engineering safety professionals. For years, it has been the most complete collection of information on the theory, practice, design elements, equipment, regulations and laws covering the field of process safety. An entire library of alternative books (and cross-referencing systems) would be needed to replace or improve upon it, but everything of importance to safety professionals, engineers and managers can be found in this all-encompassing reference instead. Frank Lees' world renowned work has been fully revised and expanded by a team of leading chemical and process engineers working under the guidance of one of the world's chief experts in this field. Sam Mannan is professor of chemical engineering at Texas A&M University, and heads the Mary Kay O'Connor Process Safety Center at Texas A&M. He received his MS and Ph.D. in chemical engineering from the University of Oklahoma, and joined the chemical engineering department at Texas A&M University as a professor in 1997. He has over 20 years of experience as an engineer, working both in industry and academia. New detail is added to chapters on fire safety, engineering, explosion hazards, analysis and suppression, and new appendices feature more recent disasters. The many thousands of references have been updated along with standards and codes of practice issued by authorities in the US, UK/Europe and internationally. In addition to all this, more regulatory relevance and case studies have been included in this edition. Written in a clear and concise style, Loss Prevention in the Process Industries covers traditional areas of personal safety

