



[MOBI] The U. S. Paper Industry And Sustainable Production: An Argument For Restructuring (Urban And Industrial Environments)

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The U. S. Paper Industry and Sustainable Production-Maureen Smith 1997-03-12 The problems recyclers face with wastepaper are connected to the issues addressed by forest advocates, as well as to the difficulties confronted by those involved with industrial pollution from the paper industry. In this richly detailed study, Maureen Smith shows how industrial and environmental analysis can be synthesized to clarify these complex problems and produce solutions. Smith outlines the basic structural characteristics of the U.S. pulp and paper industry and its relationship to the larger forest products sector, as well as its patterns of domestic and global fiber resource use. She then reviews the core technologies employed in virgin pulp production, with an emphasis on their environmental impacts, the role of technological innovation, and the relationships between fiber choices and pollution prevention. Building on this base she reveals structural barriers within the industry that have impeded positive change and shows how these barriers are reinforced by the traditional isolation of environmental policy domains.The study includes a comparative analysis of how organochlorine pollution from pulp mills has been addressed in the United States, Europe, and Canada (and why the United States has seen the slowest rate of progress); an assessment of commodity trade patterns in the industry and how they are linked to resource demand; an examination of the momentum building around annual plant fiber use and the diverse interests it reflects; and a review of recent developments in paper recycling within the context of historical trends in fiber utilization. A case study of the controversial environmental review process of the largest recycled pulp and paper mill ever proposed ties together earlier elements of the book and forms the basis for the conclusions. In closing, Smith argues convincingly against narrowly focused attempts to "fix" the problems associated with the industry, and offers practical guidance on new frameworks and approaches for industrial restructuring. She highlights the need for regional perspectives that integrate environmental, social, and economic objectives. Urban and Industrial Environment series

The Evolution of Global Paper Industry 1800~2050-Juha-Antti Lamberg 2012-12-22 This book presents an historical analysis of the global paper industry evolution from a comparative perspective. At the centre are 16 producing countries (Finland, Sweden, Norway, the USA, Germany, Canada, Japan, the UK, the Netherlands, Italy, Spain, Portugal, Chile, Brazil, Uruguay and Russia). A comparative study of the paper industry evolution can achieve the following important research objectives. First, we can identify the country specific historical features of paper industry evolution and compare them to the general business trends explainable by existing theoretical knowledge. Second, we can identify and isolate the factors causing both the rise and fall of industrial populations. Third, a shared research agenda can produce an intensive analysis of global industry dynamics. Finally, an extended research period of 250 years can identify what is truly unique in the paper industry evolution and the extent to which it took the same path as other important manufacturing industries.

Shredding Paper-Michael G. Hillard 2021-01-15 From the early twentieth century until the 1960s, Maine led the nation in paper production. The state could have earned a reputation as the Detroit of paper production, however, the industry eventually slid toward failure. What happened? Shredding Paper unwraps the changing US political economy since 1960, uncovers how the paper industry defined and interacted with labor relations, and peels away the layers of history that encompassed the rise and fall of Maine's mighty paper industry. Michael G. Hillard deconstructs the paper industry's unusual technological and economic histories. For a century, the story of the nation's most widely read glossy magazines and card stock was one of capitalism, work, accommodation, and struggle. Local paper companies in Maine dominated the political landscape, controlling economic, workplace, land use, and water use policies. Hillard examines the many contributing factors surrounding how Maine became a paper powerhouse and then shows how it lost that position to changing times and foreign interests. Through a retelling of labor relations and worker experiences from the late nineteenth century up until the late 1990s, Hillard highlights how national conglomerates began absorbing family-owned companies over time, which were subject to Wall Street demands for greater short-term profits after 1980. This new political economy impacted the economy of the entire state and destroyed Maine's once-vaunted paper industry. Shredding Paper truthfully and transparently tells the great and grim story of blue-collar workers and their families and analyzes how paper workers formulated a "folk" version of capitalism's history in their industry. Ultimately, Hillard offers a telling example of the demise of big industry in the United States.

Rag Paper Manufacture in the United States, 1801Ð1900-AJ Valente 2010-10-12 Outlining the early history of the U.S. paper industry, this book provides details on paper manufacturing from the early 1800s, when American paper was created almost entirely by hand out of cotton and other plant fibers, to the discovery of wood-pulp paper and the introduction of commercial-grade paper machines during the post-Civil War period. It discusses paper machine manufacturing, major U.S. mills, the papermaking traditions of Dutch and German immigrants, the politics of papermaking, and the eventual expansion of the paper industry from New England to the forests of the Northeast, Midwest, and Northwest. Two appendices provide a census listing of more than 1,100 U.S. paper mills, along with a directory of more than 1,300 mill owners and companies. The book contains around 70 illustrations and diagrams of major mills and relevant manufacturing technologies.

The Ecology of Industry-National Academy of Engineering 1998-09-03 This volume provides insights into the environmental practices of five industry sectors: materials processing, manufacturing, electric utilities, and pulp and paper. The ecology of industry is presented in terms of systems of production and consumption, taking into account the flows of material, energy, capital, and information. The book examines ways to improve the environmental performance of these industries (and others, such as the service sector) and shows how decisions made by industry managers can leverage systemic environmental improvements elsewhere in the economy.

Pulp and Paper Industry-Pratima Bajpai 2015-04-09 Pulp and Paper Industry: Microbiological Issues in Papermaking features in-depth and thorough coverage of microbiological issues in papermaking and their consequences and the current state of the different alternatives for prevention, treatment and control of biofilm/slime considering the impact of the actual technological changes in papermaking on the control programmes. The microbial issues in paper mill systems, chemistry of deposits on paper machines, the strategies for deposit control and methods used for the analysis of biofouling are all dealt in this book along with various growth prevention methods. The traditional use of biocides is discussed taken into account the new environmental regulations regarding their use. Finally, discusses the trends regarding the future of the microbiological control in papermaking systems. In-depth coverage of microbiological issues in papermaking and their consequences Discusses eco-efficient processes (green processes) for biofilm/slime control Offers a thorough review of the current literature with links to the primary literature Comprehensive indexing Author is an authority in the pulp and paper industry

Mill Town-Kerri Arsenault 2020-09-01 A galvanizing and powerful debut, Mill Town is an American story, a human predicament, and a moral wake-up call that asks: what are we willing to tolerate and whose lives are we willing to sacrifice for our own survival? Kerri Arsenault grew up in the rural working class town of Mexico, Maine. For over 100 years the community orbited around a paper mill that employs most townspeople, including three generations of Arsenault's own family. Years after she moved away, Arsenault realized the price she paid for her seemingly secure childhood. The mill, while providing livelihoods for nearly everyone, also contributed to the destruction of the environment and the decline of the town's economic, physical, and emotional health in a slow-moving catastrophe, earning the area the nickname "Cancer Valley." Mill Town is an personal investigation, where Arsenault sifts through historical archives and scientific reports, talks to family and neighbors, and examines her own childhood to illuminate the rise and collapse of the working-class, the hazards of loving and leaving home, and the ambiguous nature of toxics and disease. Mill Town is a moral wake-up call that asks, Whose lives are we willing to sacrifice for our own survival?

American Paper Mills, 1690-1832-John Bidwell 2013 A comprehensive account of early papermaking in America

Pulp and Paper Industry-Pratima Bajpai 2016-08-26 Pulp and Paper Industry: Chemical Recovery examines the scientific and technical advances that have been made in chemical recovery, including the very latest developments. It looks at general aspects of the chemical recovery process and its significance, black liquor evaporation, black liquor combustion, white liquor preparation, and lime reburning. The book also describes the technologies for chemical recovery of nonwood black liquor, as well as direct alkali regeneration systems in small pulp mills. In addition, it includes a discussion of alternative chemical recovery processes, i.e. alternative causticization and gasification processes, and the progress being made in the recovery of filler, coating color, and pigments. Furthermore, it discusses the utilization of new value streams (fuels and chemicals) from residuals and spent pulping liquor, including related environmental challenges. Offers thorough and in-depth coverage of scientific and technical advances in chemical recovery in pulp making Discusses alternative chemical recovery processes, i.e., alternative causticization and gasification processes Covers the progress being made in the recovery of filler, coating color, and pigments Examines utilization of new value streams (fuels and chemicals) from residuals and spent pulping liquor Discusses environmental challenges (air emissions, mill closure) Presents ways in which the economics, energy efficiency, and environmental protection associated with the recovery process can be improved

Industrial Environmental Performance Metrics-National Academy of Engineering and National Research Council 1999-09-24 Industrial Environmental Performance Metrics is a corporate-focused analysis that brings clarity and practicality to the complex issues of environmental metrics in industry. The book examines the metrics implications to businesses as their responsibilities expand beyond the factory gate--upstream to suppliers and downstream to products and services. It examines implications that arise from greater demand for comparability of metrics among businesses by the investment community and environmental interest groups. The controversy over what sustainable development means for businesses is also addressed. Industrial Environmental Performance Metrics identifies the most useful metrics based on case studies from four industries--automotive, chemical, electronics, and pulp and paper--and includes specific corporate examples. It contains goals and recommendations for public and private sector players interested in encouraging the broader use of metrics to improve industrial environmental performance and those interested in addressing the tough issues of prioritization, weighting of metrics for meaningful comparability, and the longer term metrics needs presented by sustainable development.

An Introduction to Paper Industry Instrumentation-John R. Lavigne 1977

Bamboo as a New Fiber Source in the US Paper Industry-Emma Kallaway 2010

A Competitive Assessment of the U.S. Paper Machinery Industry-Edward David Abrahams 1989

Analysis of Demand and Supply for Secondary Fiber in the U.S. Paper and Paperboard Industry-Arthur D. Little, Inc 1975

Biological Wastewater Treatment and Resource Recovery-Robina Farooq 2017-03-29 Biological treatment of wastewater is a low-cost solution for remediation of wastewater. This book focuses on the bioremediation of wastewater, its management, monitoring, role of biofilms on wastewater treatment and energy recovery. It emphasizes on organic, inorganic and micropollutants entering into the environment after conventional wastewater treatment facilities of industrial, agricultural and

domestic wastewaters. The occurrence of persistent pollutants poses deleterious effects on human and environmental health. Simple solution for recovery of energy as well as water during biological treatment of wastewater is a viable option. This book provides necessary knowledge and experimental studies on emerging bioremediation processes for reducing water, air and soil pollution.

How I Found Livingstone-Henry Morton Stanley 1872

Papermaking in Britain 1488-1988-Richard Leslie Hills 2015-11-19 This short history tells the story of five hundred years of papermaking against the general background of the coming of paper and printing in Britain, through the major developments of the Industrial Revolution, up to the technological advances which have made possible the enormous high-speed paper machines of the present day.

An Econometric-linear Programming Model of the U.S. Paper and Paperboard Industry, with Particular Attention to Waste Paper Recycling-Joedy Paul Colletti 1978

Biermann's Handbook of Pulp and Paper-Pratima Bajpai 2018-05-17 Biermann's Handbook of Pulp and Paper: Raw Material and Pulp Making, Third Edition is a comprehensive reference for industry and academia covering the entire gamut of pulping technology. This book provides a thorough introduction to the entire technology of pulp manufacture; features chapters covering all aspects of pulping from wood handling at the mill site through pulping and bleaching and pulp drying. It also includes a discussion on bleaching chemicals, recovery of pulping spent liquors and regeneration of chemicals used and the manufacture of side products. The secondary fiber recovery and utilization and current advances like organosolv pulping and attempts to close the cycle in bleaching plants are also included. Hundreds of illustrations, charts, and tables help the reader grasp the concepts being presented. This book will provide professionals in the field with the most up-to-date and comprehensive information on the state-of-the-art techniques and aspects involved in pulp making. It has been updated, revised and extended. Alongside the traditional aspects of pulping and papermaking processes, this book also focuses on biotechnological methods, which is the distinguishing feature of this book. It includes wood-based products and chemicals, production of dissolving pulp, hexenuronic acid removal, alternative chemical recovery processes, forest products biorefinery. The most significant changes in the areas of raw material preparation and handling, pulping and recycled fiber have been included. A total of 11 new chapters have been added. This handbook is essential reading for all chemists and engineers in the paper and pulp industry. Provides comprehensive coverage on all aspects of pulp making Covers the latest science and technology in pulp making Includes traditional and biotechnological methods, a unique feature of this book Presents the environmental impact of pulp and papermaking industries Sets itself apart as a valuable reference that every pulp and papermaker/engineer/chemist will find extremely useful

Pulp & Paper North American Industry Factbook-Pulp and Paper Staff 1985

The Pulp and Paper Industry-Jim Thompson 2017-06-14 This book is intended as a primer for the investor or investment banker not familiar with the pulp and paper industry. Your interests may lie in debt, equity, or both. This book will not focus so much on the types of investment instruments in which you are interested, but rather on the workings of the pulp and paper industry and how these manifests themselves in the public and private debt and equity markets. The author feigns no special expertise in financial instruments, although his experiences over the years have exposed him to the uses and ramifications of many. Rather, in this book he strives to give you a brief education in the investment capital, operating capital, and cash flow characteristics of this industry. Along the way, it is hoped you will also pick up some signals that will give you first clues as to whether a particular investment opportunity holds promise or is something which may be fraught with danger.

TAPPI Testing Procedures-Technical Association of the Pulp and Paper Industry (U.S.) 1978

The Paper-pulp Industry-Urban B. Jeffries 1920

Vocational Training for the Pulp and Paper Industry-Nathan Blaine Giles 1933

The American Stationer and Office Outfitter- 1918

Report on Manufacturing Industries in the United States at the Eleventh Census: 1890: Totals for states and industries- 1895

Paper- 1921

Pulp & Paper Magazine of Canada- 1919

Paper Industry- 1956

Tappi- 1980

Bulletin of the Public Affairs Information Service-Public Affairs Information Service 1921

Good Reception-Matt Mills 2012-09-01 How does it feel to be here and there - at the same time? Maxwell Greyson refers to himself as a project manager but really only makes use of that title in an attempt to mask his ridiculousness, which is something that has plagued him all of his life. He unwittingly embarks on a quest to find what he's always sought. He finds it, or rather he finds something, but doesn't know exactly how to process it or what to do with it. What ensues is a journey that starts at zero and ends up near the edge of the multiverse. Or is it the other way around?

Pulp & Paper ... North American Fact Book- 1995

Pulp and Paper Manufacture- 1961

Advice for advisors : suggestions and observations from lawrence to the present- 2006 While always a mission for some Army units, advising indigenous forces has become a major task for many Army units and for thousands of Soldiers, both Active and Reserve. The Combat Studies Institute is publishing this occasional paper as a supplement to Occasional Paper 18, "Advising Indigenous Forces: American Advisors in Korea, Vietnam, and El Salvador." In that study, Mr. Robert Ramsey distilled the insights gained by the U.S. Army from its advisory experiences in Korea, Vietnam, and El Salvador. In this anthology, he presents 14 insightful, personal accounts from those who advised foreign armies in various times and places over the last 100 years. Unlike most of the monographs in the Global War on Terrorism Occasional Paper series, this volume is an anthology. The articles are from past and present advisors, and they are presented without editing or commentary. Ranging from World War I to the present, this collection of articles, after action reports, and a RAND study was assembled from documents written for advisors by advisors and experts in the field. With one exception, the readings are in chronological order. The first reading, a list of suggestions T. E. Lawrence wrote for his fellow advisors during the Arab Revolt, is often referred to today. The next six readings from the Vietnam era include articles from military publications and a 1972 after-action report. An article and after-action report from El Salvador follow the Vietnam readings. The next four articles address recent advisory efforts in Iraq and Saudi Arabia. The last reading is a RAND study on advisor-counterpart relationships from 1965 that deals with military advisors in Vietnam.

Public Affairs Information Service Bulletin-Public Affairs Information Service 1923

First Stop for Jobs and Industries-Jennifer A. Dupuis 1999-11 Profiles over 1000 industries and 500 occupations and provides reviews of the top companies.

Paper Trade Journal- 1921

List of Serials Currently Received in the Library of the U. S. Department of Agriculture-United States, Department of Agriculture, Library 1922

Literary Digest- 1920