

Two Sides Reference Sheet

Clean Production

Two Sides supports continual improvement in environmental performance and social responsibility. Besides compliance with laws and regulations, companies can reduce emissions to air and water, and reduce solid waste by using best practices and best-available-technology. Environmental and occupational health and safety management systems can also be implemented for efficient management of activities and processes to improve environmental, health and safety performance.

Below are some examples of resources related to clean production at pulp and paper mills and printing facilities.

[Increasing Energy Efficiency and Reducing Water Use](#)

AF&PA

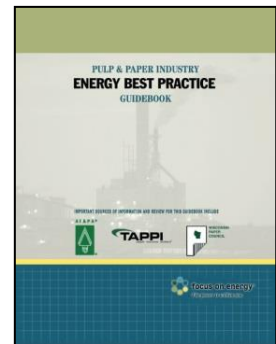
AF&PA's website outlines the US forest and paper industry goals of improving energy efficiency in purchased energy use by at least 10 percent from 2005 to 2020, and reducing water use in members' pulp and paper mills by 12 percent from 2005 to 2020.



[Pulp and Paper Energy Best Practice Guidebook](#)

Auer Energy Consulting / Benjamin A. Thorp, Inc. / Center for Technology Transfer, Inc. / D&S Design and Engineering / Science Applications International Corporation

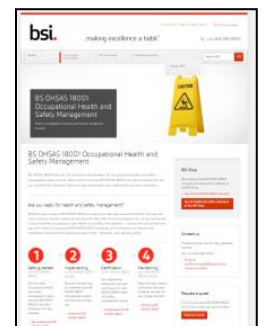
The goals of this program is to encourage energy efficiency, use of renewable energy, enhance the environment and ensure the future supply of energy for Wisconsin.



[BS OHSAS 18001](#)

British Standards Institution

The aim of OHSAS 18001 is to assist organizations in managing and controlling their health and safety risks and improving their OH&S performance. OHSAS 18001:2007 is an international standard that is developed by the OHSAS project Group, an association that includes government agencies, certification bodies, national standards, industry associations, and consultants.



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Print and Paper
have a great
environmental
story to tell



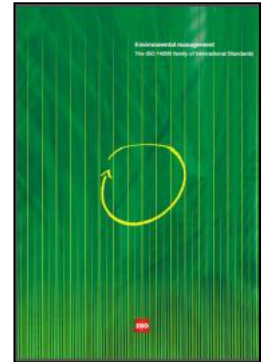
www.twosides.us

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[Environmental Management: The ISO 14000 Family of International Standards](#)

International Organization for Standardization

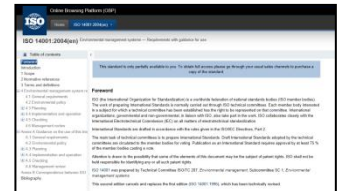
ISO has developed standards that help organizations take a proactive approach to managing environmental issues: the ISO 14000 family of environmental management standards which can be implemented in any type of organization in either public or private sectors – from companies to administrations to public utilities. This document provides an overview of these standards.



[ISO 14001:2004](#)

International Organization for Standardization

This ISO website offers a brief overview of the ISO 14001:2004 standard for environmental management system standards. Detailed information is available for purchase.



[NCASI – National Council for Air and Stream Improvement](#)

NCASI has published several reports and articles on best practices in the pulp and paper industry, from forest management to the operation of pulp and paper mills. These publications are available on their website, usually to members only.

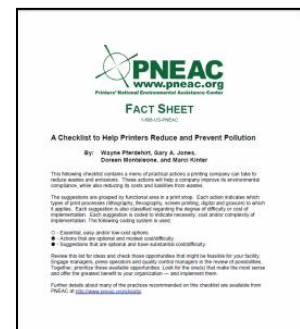


NCASI is an independent, non-profit research institute that focuses on environmental and sustainability topics relevant to forest management and the manufacture of forest products.

[A Checklist to Help Printers Reduce and Prevent Pollution](#)

Printers' National Environmental Assistance Center

This checklist contains a menu of practical actions a printing company can take to reduce wastes and emissions, and improve its environmental compliance, while also reducing its costs and liabilities from wastes. Each action indicates which types of print processes (lithography, flexography, screen printing, digital and gravure) to which it applies. Each suggestion is also classified regarding the degree of difficulty or cost of implementation.



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Water Use and Treatment in the Pulp and Paper Industry

Sappi Fine Paper North America

This brief provides an overview and update on water management in the pulp and paper industry.



Sustainable Green Printing Partnership

Founded in 2008, Sustainable Green Printing Partnership (SGP) is an independent, non-profit organization providing a certification label for sustainability in the graphic communications industry. SGP is the industry standard for the certification and continuous improvement of sustainability and best practices within print manufacturing operations.



Best Practice Guidebooks by TAPPI

TAPPI has several publications for sale on best practices at pulp and paper mills including the [Pulp and Paper Energy Best Practice Guidebook](#) which provides resources and methods to drive down energy use and energy related costs in pulp and paper mills.



[Supply Chain Best Practices for the Pulp and Paper Industry](#) is a practical, helpful publication that explains the analysis needed to determine if your mill is operating with supply chain best practices.

Available and Emerging Technologies for Reducing Greenhouse Gas Emissions from the Pulp and Paper Manufacturing Industry

US EPA, Office of Air and Radiation

This document is one of several white papers that summarize readily available information on control techniques and measures to mitigate greenhouse gas (GHG) emissions from specific industrial sectors.

