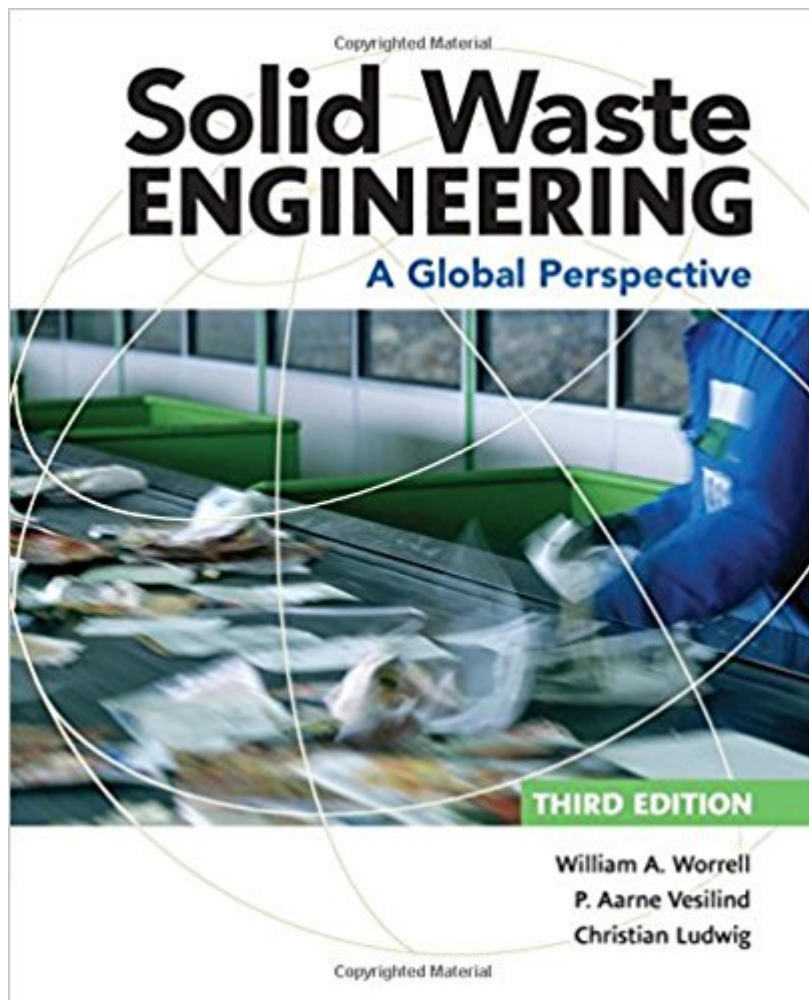




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# Solid Waste Engineering: A Global Perspective (Activate Learning With These NEW Titles From Engineering!)



## Synopsis

Equip your students to address the growing and increasingly intricate problem of controlling and processing the refuse created by global urban societies with **SOLID WASTE ENGINEERING: A GLOBAL PERSPECTIVE, 3E**. While the authors prepare readers to deal with issues, such as regulations and legislation, the book primarily emphasizes developing and implementing solid waste engineering principles. The book first explains basic principles of the field, then demonstrates how to apply these principles in real world settings through worked examples. This proven approach helps your graduate or advanced undergraduate students learn to think reflectively and logically about problems and solutions in today's solid waste engineering.

## Book Information

Series: Activate Learning with these NEW titles from Engineering!

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Global focus offers expanded viewpoints on world-wide issue You examine the problems and challenges inherent in solid waste management both within the U.S. and on a global scale.

Engineer-centered text written just for engineering students This is the first textbook on solid waste engineering written exclusively by engineers to provide a unique, practical focus that's designed for you. Content integrates engineering economics and ethics You learn how engineering economics applies to solid-waste engineering. The book also includes a focus on ethical considerations in the design of solid-waste management systems. Focus on

contemporary issues emphasizes up-to-date info This edition's content features up-to-date technology on solid-waste collection, processing, conversion and disposal. You will also find a timely chapter on current issues that reflects emerging topics that are relevant in today's industry.

"[The book] is written in a very simple manner and is easy to followâ the presentation is nicely doneâ there is a good balance between the theory, example problems, and case studies and sketches to keep students engagedâ [This is one of the best textbooks available on the market and the best aspect is that this book approaches the topics from engineering perspectives, where many other books are focused on management aspects.]" "There are more relevant photos in this text compared to my current text and in general the photos and illustrations in this text are much better than the ones in the text I am currently usingâ the [exercises] present a good range of difficulty."

William A. Worrell received a B.S. and M.S. in Civil Engineering from Duke University in 1976 and 1978, respectively. His master's thesis involved evaluating the separation efficiencies of various air classifiers. In 1989 he attended Harvard University's John F. Kennedy School of Government Summer Program for Senior Executives in State and Local Government. Mr. Worrell has published and/or presented 56 professional papers in the United States, England, Switzerland, Japan, Hong Kong, Peru, and China. He is a registered professional engineer in California, Georgia, and Florida. P. Aarne Vesilind received his undergraduate degree in civil engineering from Lehigh University and his Ph.D. in environmental engineering from the University of North Carolina. He spent a post-doctoral year with the Norwegian Institute for Water Research in Oslo and a year as a research engineer with Bird Machine Company. He joined the faculty of Duke University in 1970 where he served as chair of the Department of Civil and Environmental Engineering. In 1999, he was appointed to the R. L. Rooke Chair of the Historical and Societal Context of Engineering at Bucknell University. He served in this capacity until his retirement in 2006. Christian Ludwig received his master's degree (1990) and Ph.D. (1993) from the Chemistry Department at the University of Berne, Switzerland. Post-doctoral years were spent at the Department of Land, Air, and Water Resources (LAWR), UC Davis, CA (1994-1995) and at the Swiss Federal Institute for Environmental Science and Technology EAWAG (1995-1997). Since 1997, he has worked at the General Energy Research Department of Paul Scherrer Institute (PSI). In 2005 he was appointed adjunct professor at the Swiss Federal Institute of Technology Lausanne (EPFL) in the field of Solid Waste Treatment. He has (co-)chaired several large international conferences focusing on Resources and Waste

Management, such as REWAS and World Resources Forum.

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