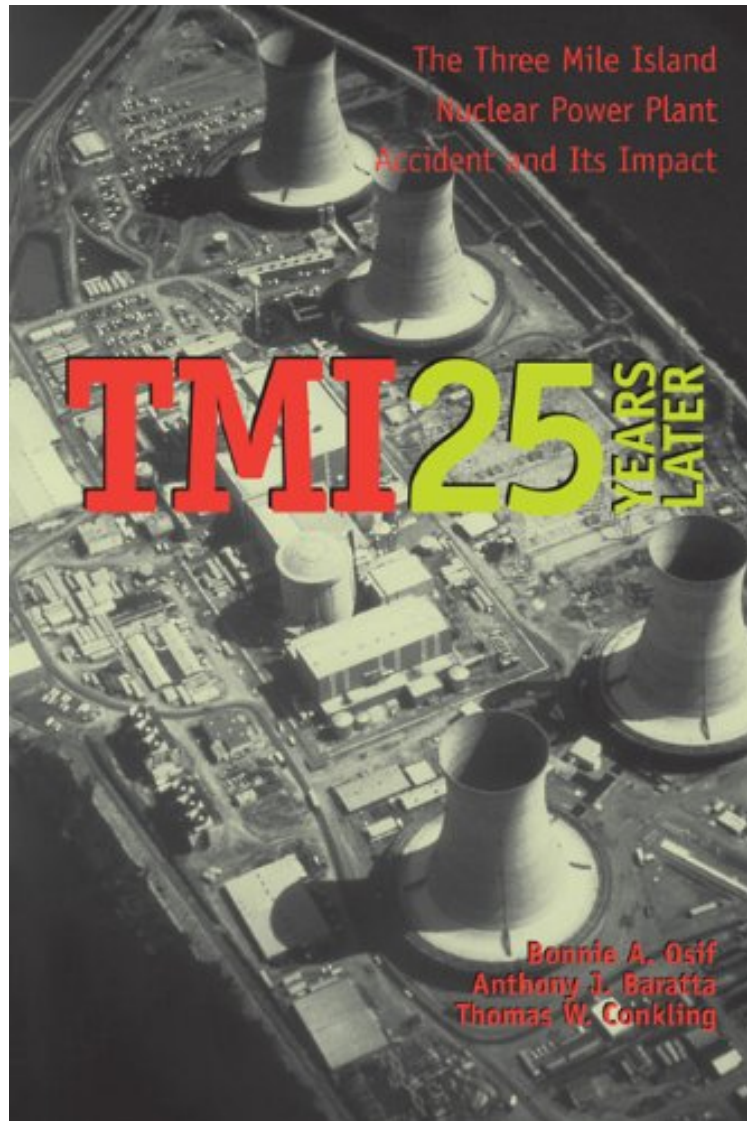


[Ebook pdf] TMI 25 Years Later: The Three Mile Island Nuclear Power Plant Accident and Its Impact

# TMI 25 Years Later: The Three Mile Island Nuclear Power Plant Accident and Its Impact

*Bonnie A. Osif, Anthony J. Baratta*

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**Bonnie A. Osif, Anthony J. Baratta : TMI 25 Years Later: The Three Mile Island Nuclear Power Plant Accident and Its Impact** before purchasing it in order to gage whether or not it would be worth my time, and all praised TMI 25 Years Later: The Three Mile Island Nuclear Power Plant Accident and Its Impact:

13 of 15 people found the following review helpful. The Best Overview Of The Long-Term Effects Of TMIBy Robert I. HedgesI have read extensively on the Three Mile Island accident and believe that this book is probably the best

introduction to the accident I have yet seen. The book is accurate and is scrupulously unbiased, which is a rarity in any book dealing with nuclear power. The first 32 pages of the book provide the best and most concise general overview of the accident I have read, and anyone wanting to understand the accident should start here. The book is accessible to non-specialists, but does not make inaccurate generalizations simply for ease of explanation. There is information presented on the basic concepts of nuclear energy, which makes the book extremely valuable to someone just beginning to read on the issue. More knowledgeable readers, industry professionals, and policymakers benefit from this book as well, as it has chapters on the health effects of the accident (including recent data on ongoing longitudinal studies), environmental effects of the accident, policy effects of the accidents, and perhaps most usefully, excellent appendices which include a useful glossary, an accident timeline, and a list of common misconceptions about the TMI accident. The authors have done an admirable job of writing a book that is useful to both professionals and the general public. It is extremely well documented, non-political, unbiased, and scrupulously accurate. I highly recommend this book to anyone interested in nuclear power. 11 of 12 people found the following review helpful. Excellent Information In An Easy-To-Read Format By Jeremy N. Shaffer "Objective knowledge will help provide guidance for the decisions that will need to be made as we go forward into the next quarter-century." So ends the book *TMI 25 Years Later*, an objective, inclusive compilation of information regarding the March 28, 1979 Loss-of-Coolant Accident in Reactor 2 of the Three Mile Island Nuclear Plant near Middletown, PA. The book, written by three Penn State University staffers, offers a balanced, condensed history of the events of the accident and the years of follow-up that have occurred. Sections cover all aspects of the accident, including rather extensive review and analysis of the role played by the media in the event. Other topics covered include short- and long-term physical and psychological health effects, industry regulatory and financial impacts, and environmental consequences, along with current and future power requirements in the United States and the options for meeting those requirements. In order to properly understand exactly what caused the accident and what its effects meant to the local population, a rudimentary understanding of nuclear processes and power generation are needed. Complex nuclear concepts are presented in an illustrated, easy-to-understand manner, and an in-depth minute-by-minute timeline of the accident is presented along with causes, effects, and notes that only the luxury of extensive investigation and hind-sight can provide. An excellent book for anyone interested in nuclear power generation, the TMI accident or the local populace of the plant, *TMI 25 Years Later* provides condensed information in an easy-to-read format. The information is not watered down (the book is well cited), but instead provided in a format that allows anyone to understand what happened on that fateful Wednesday morning, and more importantly what it means to our future.

Three Mile Island burst into the nations headlines twenty-five years ago, forever changing our view of nuclear power. The dramatic accident held the worlds attention for an unsettling week in March 1979 as engineers struggled to understand what had happened and to bring the damaged reactor to a safe condition. Much has been written since then about TMI, but it is not easy to find up-to-date information that is both reliable and accessible to the non-scientific reader. *TMI* offers a much needed "one-stop" resource for a new generation of citizens, students, and policy makers. The legacy of Three Mile Island has been far reaching. The worst nuclear accident in U.S. history marked a turning point in our policies, our perceptions, and our national identity. Those involved in the nuclear industry today study the scenario carefully and review the decontamination and recovery process. Risk management and the ability to rationally and understandably convey risks to the general population are an integral part of implementation of new technologies. Political, environmental, and energy decisions have been made with TMI as a factor, and while studies reveal little environmental damage from the accident, long term studies of health effects continue. *TMI* presents a balanced and factual account of the accident, the cleanup effort, and the many facets of its legacy twenty-five years later. The authors bring extensive research and writing experience to this book. After the accident and the cleanup, a significant collection of videotapes, photographs, and reports were donated to the University Libraries at Penn State University. Bonnie Osif and Thomas Conkling are engineering librarians at Penn State who maintain a database of these materials, which they have made available to the general public through an award-winning website. Anthony Baratta is a nuclear engineer who worked with the decontamination and recovery project at TMI and is an expert in nuclear accidents. The book features unique photographs of the cleanup and helpful appendixes that enable readers to further investigate various aspects of the story.

The accident at Three Mile Island Unit 2 in 1979 is historically important for understanding the development of nuclear power in the United States. This book is a concise, well-written, documented account of the accident and its cleanup, but it also provides welcome insight into the media coverage and public understanding of nuclear energy matters. With valuable primers on nuclear energy basics and energy options for the future, *TMI 25 Years Later* is well worth reading by professionals as well as laypersons. --Forrest Remick, Commissioner (Retired) Nuclear Regulatory Commission  
About the Author  
Bonnie Anne Osif is the Engineering Reference and Instruction Librarian, and the Pennsylvania Transportation Institute Librarian at the Pennsylvania State University. Thomas W. Conkling is Head of the Engineering Library at the Pennsylvania State University. Anthony J. Baratta is Professor of Nuclear Engineering

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