



The **Managing Environmental Pollution** book was first published in 1997 with 246 pages. The seven chapters delve into the complex and critical issue of environmental pollution. The author's exploration of this topic is particularly relevant given the growing concern over environmental degradation and its far-reaching implications. Its objective is to initiate readers into the realm of environmental pollution management and its associated framework. It primarily targets individuals commencing careers in environmental management, particularly undergraduates and post-graduates.

The author, **Andrew Farmer** is affiliated with the Institute for European Environmental Policy. He conducted aquatic ecological research at various

universities, including St Andrews, Florida, and Wisconsin, following his education at Oxford and York. He also worked on air pollution research at Imperial College before spending six years as a pollution specialist with English Nature. In this book, he categorizes and discusses different types of pollutants and their sources, shedding light on how various human activities contribute to pollution.

The core of the book deals with environmental pollution by undertaking a separate consideration of air, freshwater, marine, and radioactive substances and their management. The structure and layout of this book facilitate understanding as numerous examples are provided to clarify the explanations. Figures, illustrations, diagrams, and tables are appropriate and well-executed. The strengths of the book are its clear writing style, comprehensive coverage, and practical insights besides its ability to bridge the gap between theory and action. The book provides a balanced blend of scientific insights, real-world examples, and practical solutions, making it an invaluable resource for both newcomers and experts in the field. It covers essential pollution management principles, encompassing a broad definition of pollution and emphasizes the link between pollution management and sustainable development. Farmer takes readers on a journey through the causes, impacts, and potential solutions related to environmental pollution. He covers a range of pollutants, from air and water pollutants to hazardous waste, and examines their effects on ecosystems, human health, and the overall well-being of the planet.

For example, the air pollutants covered by Farmer include ammonia, carbon monoxide, heavy metals, nitrogen oxides, ozone, particulates, sulfur dioxide, and more. He describes the sources of these pollutants and provides statistical analysis of the emissions of the pollutants. Acid rain is caused by the oxidizing of sulfur dioxide and nitrogen dioxide and its impact is described as overwhelming by the author. In addition, health effects from these pollutants

range from acute effects and chronic effects. Farmer highlights the intricate interplay between pollution, health, environment, and economics. Besides, he stated that regulations and legislation are different in every part of the world. Farmer provided several case studies and regulations from several countries such as the European Union and Poland. An important aspect of managing air pollution is the need to monitor its distribution and trends over time. A range of methods are described, varying in their accuracy and cost.

Generally, the book provides readers with a comprehensive understanding of the various dimensions of environmental pollution and strategies for effective management. Farmer used terms that are simple and easy to understand by readers with varying levels of expertise. Furthermore, he explained each of the key terms such as the type of pollutants clearly in their individual paragraph and provided several examples to support his statements. Though the book was published more than two decades ago, the findings and explanations are still relevant because all pollution stated are still happening in this current generation. This book would mostly benefit individuals who just starting to explore more on the environmental aspects of the earth. His insights into the challenges faced by pollution managers provide valuable perspectives for readers interested in pursuing careers in environmental management.

Nur Afza Nurina binti Abdullah Sani (afzanurina9@gmail.com)
Mohd Rosiskada bin Mohamed (mrosis@doe.gov.my)
JAS Negeri Kedah