

Noise Control Management

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Howard K. Pelton

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This volume will appeal to individuals with little or no training in noise control engineering, but have some responsibility for control of noise - either in an industrial plant or related to a new project in which noise control is an element of the design. As the author points out in the preface, Experience has shown that personnel assigned the responsibility for noise control may not have the time, training, or inclination required to solve noise problems. The book emphasizes the practical aspects of noise control, and begins with a discussion of how to establish a noise control program in an industrial setting; how to identify priorities, and how to define a noise control program.

Chapter 2 deals with evaluation of noise levels in installations in order to maintain a program. Chapter 3 is a review of methods for placing noise and vibration specifications on equipment, and details the responsibilities of various parties for noise control. Unfortunately, establishment of noise emission specifications is generally not covered.

Chapter 4 on noise control guidelines and materials uses a source-path-receiver approach to noise control, and gives a general discussion of each of these three areas. Chapter 5 deals with the management of a hearing conservation program in an industrial setting.

Chapter 6 on fundamentals is brief and non-mathematical; the material on sound fields in rooms covers only rooms which are nearly rectangular, and there is no discussion of sound fields in rooms whose length and width are large compared with the height - a situation that occurs frequently in practice.

Chapters 7 and 8 deal with instrumentation and criteria, respectively, and chapter 9 deals with noise measurement procedures - mostly in situ procedures, and not noise emission measurement methods. The final chapter deals with case histories, and there are several appendices which contain practical information that may be of use to those who have responsibilities for noise control management.

The book is written from the point of view of a consultant rather than an engineer in industry responsible for the design of quiet products, and most of the information in the book is derived from American sources. Newcomers to noise control will find the book useful, and consultants will be able to evaluate how their own methods of dealing with clients compare to those suggested by the author - an engineer in consulting practice in Dallas, Texas, USA.