

HB 241-2002



Water Management



for Public Swimming Pools and Spas



2nd Edition



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Second Edition

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PREFACE

The aim of this Handbook is to provide public swimming pool and spa owners, managers, executives, operators, engineers, designers and authorities with a clearer understanding and appreciation of water quality management.

The information provided by this Handbook will help those responsible for water quality to:

- comply with local regulations
- accurately monitor physical and chemical water properties
- correctly record relevant data
- troubleshoot, locate and correct physical and chemical problems
- produce high quality and good looking water.

This second edition of the Handbook includes detail on recent automatic chemical dosing, systems, further information on chemical testing and a restructure of some of the text.

The author of this Handbook, Alan Stewart, owns and operates a technology and equipment testing service, 'On Site Water', in Victoria. It provides a service to clients in Melbourne and has assisted in the development of guidelines for water quality. He has published a number of books and articles on water management.

Paul Stevenson MIE Aust, CP Eng of Stevenson and Associates Pty Ltd, Greg O'Connell MAppSc, PhD of Biolab Australia Pty Ltd, Ron King and Michael Moore of Australian Spa and Pool Services, Neil Shaw of the NSW Department of Health, and Derek Lightbody of the Victorian Department of Human Services, provided assistance in the compilation of the first edition this handbook.

Revisions and additional material for the second edition:

Tim Batt of USF Stranco Aquatic Pty Ltd provided details of their pool monitoring and dosing systems and particularly the systems used in the Sydney Olympic venues. Warren Thomas of Palintest provided additional information on chemical testing and both Tim Batt and Warren Thomas provided additional details on water chemistry and methods of correcting imbalance. Gary Penfold of the Warringah Aquatic Centre also provided technical advice in a number of areas.

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