

International Guidance Manual for the Management of Toxic Cyanobacteria

Available as eBook only.

Cyanobacteria are a concern for water authorities worldwide as their persistence in water supplies causes numerous problems for water treatment plants. However, the major concern associated with the presence of cyanobacteria is the metabolites they produce, taste and odour compounds, particularly 2-methyl isoborneol and geosmin, and a range of toxic compounds known collectively as algal toxins, or cyanotoxins.

The management of cyanobacteria and cyanotoxins is one of the priority issues in the research agenda of the **Global Water Research Coalition** and this international guidance manual aims to consolidate the available knowledge and information:

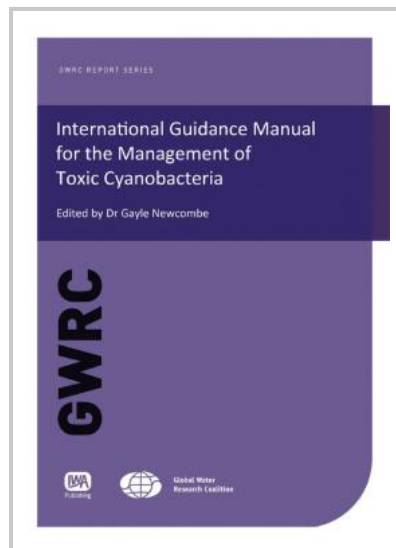
- to understand the importance of cyanobacteria and the toxins they produce
- to assess the risks associated with a particular water source
- to develop a monitoring program and incident management strategies consistent with the WHO Water Safety Planning process
- to instigate management procedures both in the source water and treatment plants to mitigate the risks posed by the presence of toxic compounds in drinking water.

The **International Guidance Manual for the Management of Toxic Cyanobacteria** is a user-friendly document that can be accessed on several levels, from basic information for the water quality manager who knows very little about cyanobacteria, to those requiring more detailed guidance on, for example, source water management methods, or doses of activated carbon required to reduce toxin concentration to below the WHO guideline. It is hoped this manual is accessed by water utilities worldwide, and feedback on its application will be used to update and implement revisions to maintain and enhance its usefulness to the international water industry.

Table of Contents

Introduction; Hazard identification and risk assessment; Development and implementation of a monitoring program; Source water management; Treatment options; Incident management plans; Implications for recreational waters

Also available as part of your Water Intelligence Online subscription



Publication Date: 14/08/2012

ISBN13: 9781780401355

eISBN: 9781780401355

Pages: 254

Print:

Standard price: £37 / €46 / \$56

Member price: £28 / €35 / \$42

eBook:

Standard price: £37 / €46 / \$56

Member price: £28 / €35 / \$42