

**FIRST ANNOUNCEMENT
AND CALL FOR PAPERS**

**Seventh IWA Symposium on
Off-Flavours in the Aquatic
Environment**



**October 2-7, 2005
Cornwall, Ontario Canada**

Symposium organized by



St. Lawrence River Institute of Environmental Sciences

Supported by



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SECRETARIAT OF SYMPOSIUM

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SEVENTH IWA SYMPOSIUM ON OFF-FLAVOURS IN THE AQUATIC ENVIRONMENT

SECRETARIAT

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CANADA

APPLICATION FORM

Please complete and return this form to the Secretariat of Symposium before October 30th, 2004

Name/First Name: _____ Title: _____

Company / Institution: _____

Address: _____

City: _____ Postal Code: _____ Country: _____

Telephone: _____ Fax: _____ Email: _____

I plan to submit a paper. Title of the paper: _____

I plan to attend the Symposium; please send the programme.

Date: _____

Signature: _____

The goal of this conference is to provide specialists and interested participants from water suppliers, academic institutions, research centres and industry a forum to present and discuss causes, origins and mitigation/management of odour outbreaks in source, plant and distribution systems, physiological/ecological roles and fate of organoleptics in foodwebs and surface waters, treatment optimization technological advances, public perception and other socio-economic issues.

Recent advances in the following themes will be emphasized:

- Advances in physiology
- Chemistry and biology of off-flavours
- Sensory evaluation methods
- New analytical methods
- Taste and odours in source waters: detection, biological origins, ecological, triggers and implications
- Treatment, distribution systems and bottled water
- Odours from wastewater systems
- New treatment processes to solve taste and odour problems
- Off-flavours in food related with water
- Taste and odours, health aspects, public perception and consumer complaints
- Survey and case studies.

Submission of papers

Authors intending to contribute papers to the Symposium should submit a one page abstract no later than January 15, 2005, to the Secretariat of the Symposium.

Authors will be notified of their acceptance and form of presentation (oral or poster) by March 15, 2005. All papers presented at the Symposium will be considered for publication in the *Water, Science and Technology (IWA, Publishing)*.

Registration

To receive the second circular, the preliminary program, and forms for registration and accommodation, please complete and return the attached application form to the Secretariat of the Symposium before September 1, 2005.

Objectives and scope

Drinking water taste and odour continues to be a major concern to public, industry and science. As a primary gauge of drinking water quality, taste and odour has a major effect on human behaviour, and can seriously undermine consumer confidence in public supplies. Taste and odour causes major problems for water suppliers with public image and accountability for, who face rising treatment costs in order to deliver safe, acceptable drinking water. However despite considerable research, many taste and odour issues remain unresolved. Taste and odours due to biological growth (e.g. bacteria, algae) often remain untraced, particularly in large, fractionated and multi-use basins and waterbodies with considerable spatial and biological complexity such as the North American Great Lakes. Little is known about the physiological ecology of these compounds and their roles in aquatic foodwebs, their environmental triggers, and the conditions that favour outbreaks of odour-causing species. More research is needed to address source water odour caused by the growing number of organic contaminants from industrial, agricultural or municipal waste systems, and generated in water treatment plants themselves (e.g. via treatment malfunction, filter bleed and biological growth, chlorination and disinfection by-products) and distribution networks (e.g. via biofilm growth, and surface corrosion, permeation and chemical degradation). Furthermore, the long-term health and socio-economic effects of many organoleptics, their derivatives and by-products are still poorly understood, while the development, improvement and evaluation of new and existing treatment processes, such as advanced oxidation and membrane treatment are essential, for application in both large and small communities. It is also necessary to consider odours generated during the manufacture and storage of bottled water, and off-flavours generated in fish and other foodstuffs affected by contact with odour-producing biota or tainted source-water.