



Technical Meeting on Review of West Tai Lake Environmental Management and Treatment Plan

Dr Guiyi Li

Director, Moulton Environmental Consulting

Organised by

The Chartered Institution of Water and Environmental Management Hong Kong
International Association of Hydraulic Engineering and Research – Hong Kong Chapter
Hong Kong Institute of Environmental Impact Assessment
The Hong Kong Institution of Engineers (Environmental Division)

Supported by

International Water Association, The Regional Committee of Hong Kong, China

Date: 24 February 2010 (Wednesday)

Time: 6:30pm (Registration) for 7:00pm-8:00pm

Venue: Lecture Theatre TU 201, Hong Kong Polytechnic University, Hung Hom, Kowloon

Enquiry: Fredrick Leong (Tel: 2859 1739, Email: fredleong@yahoo.com)

This event is free of charge. **For CIWEM members, please return the attached registration form to Ms Jennifer Chan via email (jennifer.chan@veoliawater.com) or fax (2565 4867) on or before 10 February 2010. For members of IAHR, HKIEIA, HKIE (EVD) and IWA, please register via your respective organisations.** Registration will be on first-come-first-served basis. Priority will be given to the members of CIWEM, IAHR, HKIEIA, HKIE (EVD) and IWA. Successful registrants will be notified individually.

Synopsis

The purpose of the review was to identify opportunities to incorporate the best international practice into the environmental management and treatment of West Tai Lake. The study identified the need for a whole-basin approach to the integrated management of nutrient inputs to the Lake and control of algal blooms. Phosphorous was identified as the key nutrient of concern for the receiving freshwater. A range of specific actions were recommended to address the key gaps in the current plan and its implementation. The review identified opportunities to improve catchment management, pollution control and wastewater management technologies, environmental restoration and ongoing water quality monitoring strategies. The review concluded that hydraulic and water quality modelling was essential for formulating the most appropriate implementation strategy and investment priorities and that the cost effective and environmentally sustainable management of the lake sediment required the adoption of innovative approaches. The review recommended alternative methods to manage sewage sludge and optimum nutrient control strategies. Guidelines were also recommended for design and construction of wetlands and for water sensitive urban design to control sediment and nutrients.

The Speaker

Dr Guiyi Li is a water quality specialist with over 20 years of international experience in environmental studies and project management covering the UK, Hong Kong and Mainland China. He has managed/conducted more than 300 environmental studies and provided technical support to some 100 environmental permit applications. Representative projects include Strategic Environmental Assessment for Hong Kong 2030 Planning and Vision, Beach Pollution Reduction Study for all 41 beaches throughout Hong Kong, Update on Cumulative Water Quality and Hydrological Effect of Coastal Developments and Upgrading of Assessment Tool, Review of West Tai Lake Environmental Management and Treatment Plan, Shenzhen River Environmental Improvement and water quality modelling for 15 sewage long sea outfall schemes in the southern England. Dr Li is a Chartered Engineer, Fellow of CIWEM, chairman of CIWEM HK 2003/2004 and member of Hong Kong Institution of Engineers. He is the founder and currently the director of Moulton Environmental Consulting based in Hong Kong. Prior to that, he worked in universities, water utilities, engineering consulting companies and most recently as the Director of Environment and Water for Hyder Consulting (Hong Kong) Ltd.

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I will attend this technical meeting on 24 February 2010 (Wednesday). My details are:

- Name: _____
- Company: _____
- Job Title: _____
- Email: _____
- Phone: _____
- Are you currently a member of ☐ CIWEM, type & no _____
☐ No
- Do you need a CPD certificate? ☐ Yes ☐ No
- Date: _____

☐: Please tick as appropriate

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