



One day symposium

## Dams – Building and Owning in a New Era

**Venue:** Renouf Foyer, Wellington Festival & Convention Centre, Wellington  
**Date:** Thursday 10 August 2006  
**Registration:** \$NZ 395 +GST or \$NZ 445 incl GST

Water is a valuable resource and dams are a primary means of storing water for domestic consumption, electricity generation and irrigation. Dams can also help mitigate the effects of floods and provide sediment traps for the protection of waterways. While the capture and use of water is controlled by various legislative Acts, the Building Act published in 2004 is the first with explicit dam safety legislation. Consequently the Building Act introduces a new era for dams in New Zealand.

The provision of dam safety requires consideration of environmental and community needs together with the application of state-of-the-art dam technology. Together these present a spectrum of challenges for the continued safe performance of dam structures and associated facilities. If you are a dam owner, developer, regulatory authority representative or a professional involved in dams or their use, this symposium will be of interest to you.

The keynote address by Mr Derrick Adams, General Manager (Assets) for WaterCare Services in Auckland, will present an owner's perspective on managing dam safety issues. The papers that follow include an overview of the dam safety legislation and the role of the Act regulations in the dam operating environment, together with recent events and case histories describing the construction of new dams and the operation of existing dams.

### Programme:

Registration	8:45 am to 9:30 am
Keynote address	9:30 am followed by morning tea
Morning sessions	10:40 am & 11:20 am followed by lunch at 12:00 pm
Afternoon sessions	1:00 pm, 1:40 pm & 2:20 pm followed by afternoon tea
Concluding session	3:20 pm followed by summary overview
Social hour	4:30 pm

For registration, use either the form with this brochure or a separate version on the webpage at the bottom of this page. Registration covers printed papers and discussions, binders, lunch, morning and afternoon teas, and social drinks.

Further enquiries to: Derek Wilshere, Technical Secretary, NZSOLD  
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Website: <http://www.ipenz.org.nz/nzsold/symposiums.htm>

The papers will be pre-printed and sent to registrants in a loose-leaf binder prior to the symposium. At the symposium authors will bring out the highlights of their papers, with further time allocated for questions and discussion. After the symposium, discussions will be printed and sent to all registrants.

**Keynote Address** (*not preprinted*)

“Handling a dam safety problem - an owner’s perspective”  
*Derrick Adams General Manager (Assets), WaterCare Services*

**Morning Sessions:**

“Changes in the Building Act and dam safety assurance plans”  
*John Kay (Department of Building and Housing)*

“The role of regulations in the dam building, safety management and policy development for dangerous dams”  
*Jeff Jones (recently retired CEO Environment Bay of Plenty)*

“Developing and assuring safe dams – the era of NZSOLD dam safety guidelines and the Building Act”  
*Peter Foster & Peter Mulvihill (MWH / Pioneer Generation)*

“Emergency action plans for dams”  
*Peter Campbell (DamWatch Services)*

“Status of NZSOLD Dam safety guidelines - an update”  
*NZSOLD (Colin Newton)*

**Afternoon Sessions:**

“Managing dam safety deficiencies”  
*Murray Gillon (DamWatch Services)*

“Spillway hazard ratings and changes with time”  
*Peter Lilley (Trustpower)*

“Managing dam utility in a developing region – the Marlborough example”  
*Graham Roberts (Marlborough District Council)*

“Design, construction and commissioning of three dams in Marlborough and North Canterbury”  
*Robin Dawson & John Grimston (Tonkin & Taylor)*

“Successful performance of retention dams in the February 2004 Manawatu floods”  
*Don Tate (Riley Consultants)*

“Designing and building sediment dams at Stockton mine, West Coast”  
*Gordon Ashby (Solid Energy)*

**Concluding Session:**

“Interfacing seismic loads for dams with the New Zealand standard (NZS1170)”  
*Andrew King & Graeme McVerry (GNS Science)*

“Development of the Mount Grand raw water reservoir”  
*Ian Walsh (Opus International Consultants)*

The symposium continues the policy of New Zealand Society on Large Dams (NZSOLD), which is a Technical Group of the Institution of Professional Engineers New Zealand (IPENZ), to promote seminars on topics of particular relevance both to its members and other parties with interests in dams.

*Corporate sponsorship of the symposium is welcome and will be acknowledged fully before, during, and after the symposium. Contact the Technical Secretary if you are interested.*



# Dams – Building and Owning in a New Era

Wellington Festival & Convention Centre

Thursday 10 August 2006

## Registration Form

### Personal details:

Name: (title) .....

Organisation: .....

Address .....

.....

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Email: .....

Phone: .....

Date .....

Registration cost: \$NZ 395 + GST or \$NZ 445 incl GST (per individual)

Payment options: (after completion of the personal details above).

**Cheque or Bank Draft:** Post this page with full payment in \$NZ by Cheque (not transferable) or Bank Draft to the NZSOLD Secretary at the address at the bottom of the page.

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To:  
Technical Secretary  
New Zealand Society on Large Dams  
PO Box 41-069  
Eastbourne  
**LOWER HUTT 5047, NEW ZEALAND**

To receive pre-printed papers prior to the  
Symposium, please register before 31 July.

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