

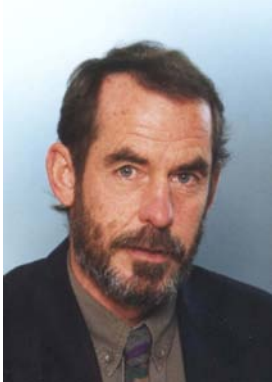
Summary Bio

David Jenks
Dam Safety Engineer



Nationality
New Zealand

Language
English



Key Qualifications

Bachelor of Engineering (Civil), University of Auckland, 1969

Professional Affiliations

Member of Institution of Professional Engineers New Zealand
Member of NZ Society of Large Dams

SPECIALISATION

Hydraulic Structures and Dam Engineering
Dam Instrumentation Monitoring
Engineering Safety Audits of Hydraulic Structures
Investigation and Feasibility Studies
River Erosion and Protection Investigation and Design

SUMMARY BIO

David is a dam safety engineer working for Damwatch Services Ltd and is based in Wellington. David has over 30 years of experience in civil engineering associated with all types of power projects. After graduation he joined the Ministry of Works Tongariro Power Development construction team and supervised excavation of the Tokaanu power station tailrace and construction of associated works. He moved to the MOW power projects design office in Wellington in 1971 where he remained until joining Damwatch in 2001. During this time he has been associated with the design, commissioning and inspections of several major power projects in New Zealand including hydro, thermal and geothermal power developments. David designed the 53m high concrete gated Ruataniwha Dam and Spillway. More recent achievements and roles have included:

- Participation in the design of diversion culvert upgrade for Pukaki High Dam.
- Design of inspection gallery extension and seismic upgrade of spillway gates for Matahina Dam (80m high earth dam).
- Safety engineering audits of 52 hydraulic structures for the Department of Land & Water Conservation in NSW Australia.
- Feasibility study for a 40m high concrete faced rockfill dam for 1million cubic metres of pumped water storage.
- Contributions to the design studies for various water supply and power dams.
- Completion of prefeasibility study for Cambodian irrigation development incorporating 30 kms of canals and serving 20,000 ha.
- Involvement with landslide stabilization team associated with the commissioning of the reservoir formed behind the Clyde dam.

David joined Damwatch Services Ltd in 2001. His accumulated experience with surveillance and safety reviews of water retaining structures is the basis of his current specialisation in this field with Damwatch..