

DAMWATCH ENGINEERING LTD.

PO BOX 1549,

WELLINGTON 6140, NEW ZEALAND

PHONE: +64 4 381 1300

FAX: +64 4 381 1301

EMAIL: PETER.AMOS@DAMWATCH.CO.NZ

WEBSITE: WWW.DAMWATCH.CO.NZ



PETER DUNCAN AMOS

SPECIALTY/SKILLS:

Dam Safety Engineering, Dam Engineering, Concrete Structures, Heavy Civil Engineering for Underground Structures, Foundation Construction Engineering

GEOGRAPHIC BASE: Wellington, New Zealand

TYPE OF COMPANY: Engineering Consultancy

RESUMÉ

PETER DUNCAN AMOS

EDUCATION	Bachelor of Engineering (Civil), University of Canterbury, NZ, 1984 MBA (Technology Management), Deakin University, Australia, 2002
PROFESSIONAL QUALIFICATIONS	Chartered Professional Engineer, (NZ) 2003 Chartered Engineer (UK) 1996 International Professional Engineers (IntPE) Registration Recognised Engineer (Dam Safety) (NZ) 2009
PROFESSIONAL SOCIETIES	Member of Institution of Professional Engineers New Zealand Member of New Zealand Society of Large Dams Member of New Zealand Structural Engineering Society Member of New Zealand Geotechnical Society Member of Institution of Civil Engineers (UK)
PROFESSIONAL COMMITTEES	Chairman New Zealand Society of Large Dams (NZSOLD) NZ representative on ICOLD Committee for Public Safety Around Dams
PRINCIPAL PROFESSIONAL	Winning team New Zealand Engineering Excellence Supreme Award (2008)

DISTINCTIONS

PROFESSIONAL EXPERIENCE AND BACKGROUND

Managing Director, Damwatch, Wellington, New Zealand 2008 - present

Mr Amos has led specialist dam engineering and dam safety consultancy Damwatch since 2008. During this time the company has grown to 30 staff providing engineering feasibility and design, dam safety monitoring and dam instrumentation services. Mr Amos has also continued to provide technical services to clients, including Project Manager of emergency repairs to the 130 cumec Tekapo hydropower canal to prevent the canal from failing. This included development of a world-first temporary soil lining placed underwater so that the canal could continue to operate. Mr Amos is also involved in a world-first seismic analysis of a curved concrete dam on a weak rock foundation.

Principal Engineer and Manager of Dam Engineering Team, Damwatch, Wellington, New Zealand, 2000 – 2008

Mr Amos led a team of 10 dam engineers in a specialist engineering consultancy. Mr Amos was Project Manager for a world-first 85m deep cut-off wall constructed through the 64m high Arapuni Dam while the reservoir continued to operate. Mr Amos was also Project Manager for investigation and feasibility design of an 85m high RCC dam.

Project Manager, Opus International Consultants, International Office, Wellington, New Zealand, 2000

Mr Amos was a Project Manager, based in Head Office of this multinational multi-disciplinary engineering consultancy for infrastructure design projects being bid and carried out off-shore. Projects included underground rail station design and World Bank institutional reform projects.

Senior Engineer, Opus International Consultants Ltd, Power Engineering Group, Wellington, New Zealand, 1997 – 2000

Mr Amos was a senior designer involved in feasibility studies for new hydro power dams and power stations. He was also a key member of a world-leading seismic analysis of a concrete gravity dam.

Senior Design Engineer, Works International Consultancy Ltd, London England, joint venture partner in Benaim-Works JV, 1995 – 1996

Mr Amos was a senior design engineer during the construction of two underground rail stations for London underground's Jubilee Line extension. The stations were constructed adjacent to and below the level of the Thames River.

Senior Engineer (Design), Works Consultancy Services Ltd, Power Engineering Group, Wellington, New Zealand, 1988 – 1994

Mr Amos was a design engineer in the dam engineering design office of this multinational multi-disciplinary engineering consultancy. He carried out detailed earthquake engineering assessments and designed upgrades to deficient dams and appurtenant structures. Mr Amos was involved in the investigation and remedial works design for Clyde Dam reservoir landslides, the largest landslide project in the world. Mr Amos was the design sponsor for the comprehensive monitoring system developed for reservoir filling and commissioning, handling 5000 instruments in near real time. Mr Amos was commissioning engineer for the 100m high dam during reservoir filling.

Assistant Engineer, Ministry of Works and Development, Wellington, New Zealand, 1984 – 1988

Mr Amos was a construction engineer for the construction of 80km of roads and bridges through major landslides required for the construction of the for the 100m high Clyde Dam.

PUBLICATIONS: 14