

Published Papers: Geotechnical



Over the last 30 years, ATC Williams has authored or co-authored an extensive list of technical papers. Copies of these papers are available on request.

GHAHREMAN-NEJAD, B., SMALL, J.C., TAIBAT, H. “**Seismic Deformation Analysis of a Rockfill Dam with a Bituminous Concrete Core**”. Geotechnical Earthquake Engineering and Soil Dynamics IV, Sacramento, CA, USA, May 2008.

GHAHREMAN-NEJAD, B., SMALL, J.C., TAIBAT, H. “**Seismic Response and Dynamic Deformation Analysis of Sar-Cheshmeh Tailings Dam**”. Geotechnical Earthquake Engineering and Soil Dynamics IV, Sacramento, CA, USA, May 2008.

GHAHREMAN-NEJAD, B., SURJADINATA, J., CARTER, J.P., “**Effects of Tunneling on Settlements and Structural Forces within Model Pile Foundations**”. International Conference on Physical Modelling in Geotechnics (ICPMG 2006), Hong Kong, China, August 2006.

GHAHREMAN-NEJAD, B., AIREY, D.W., “**Modelling the Response of Clay at Elevated Temperature**”. Proceedings of 9th Australia-New Zealand Conference on Geomechanics, Auckland, New Zealand, February 2004.

LEAVY, J. and MASON, R., “**Construction and Quality Management of a Bentonite Cement Slurry Containment Wall, Perth**”, Australian Geomechanics Vol. 38 No. 4, December 2003.

OSBORNE, T.R. “**Ground Improvement in Perth**”. The Engineering Geology of Perth, Australian Geomechanics Journal. Vol 38 No 4, Dec 2003.

OSBORNE, T.R. “**Tunnels on the Swan Coastal Plain**”. The Engineering Geology of Perth, Australian Geomechanics Journal. Vol 38 No 4, Dec 2003.

OSBORNE, T.R. and LEAVY, J.P. “**Ground Improvement by Vibroflotation in Urban Residential Development**”. The Eighth ANZ Conference on Geomechanics, Hobart 1999.

OSBORNE, T.R., DOIG, S.J. and WATKINS, D.L. “**Grouting to Stabilise Mine Waste Fill at Newman**”. The Eighth ANZ Conference on Geomechanics, Hobart 1999.

ROSHDIEH, A. “**Evaluating the Interactive Effects of Dams and Earthquakes, Abangan, Water Engineering Journal**”. K.N. Toosi University of Technology, 1995.

SEDDON, K.D. and BATEMAN, C.S., “**The Concept, Design and Development Plan of a 10 M cubic metre landfill at a sand-pit in S.E. Melbourne**”. Proc. 2nd National Hazardous & Solid Waste Convention, Melbourne, May 1994.

OSBORNE, T.R. “**Design and Construction of Stone Columns for the Nelson Point Project**”. Ground Improvement Seminar, Jewell (ed) 1994, Perth. ISBN 1 86342 298 6.

OSBORNE, T.R., DOIG, S.J. and WATKINS, D.L. “**Ground Improvement by Grouting - Stabilisation of Mine Waste Fill at Newman**”. Ground Improvement Seminar, Jewell (ed) 1994, Perth. ISBN 1 86342 298 6.

HASHIM, A. and MURPHY, S.D. “**Capping of Sediment Deposition Pits at Albert Park Lake, Melbourne, Australia**”. Journal of the Australian Geomechanics Society, No. 25, April, pp.50-53, 1994.



OSBORNE, T.R., BIRKINSHAW, M.J. and HILLMAN, M.O. **“Ground Improvement with Vibroflotation. A Review of the Process and some Western Australian Experience”**. Ground Improvement Seminar, Jewell (ed) 1994, Perth. ISBN 1 86342 298 6.

OSBORNE, T.R., and HASELGROVE, K.D. **“Grouting of Leaks in Clay Liners Below Bauxite Residue Deposits”**. Geotechnical Management of Waste and Contamination, Sydney 1993.

PECK, W.A., NEILSON, J.L., OLDS, R.J., and SEDDON, K.D , Eds. **“Engineering Geology of Melbourne. A.A”**. Balkema, Rotterdam, 1992.

SAUNDERS, C.T., **“ISSMFE Microprocessor Control of the Drained Triaxial Test”**. Tenth Regional Conference for Africa on Soil Mechanics and Foundation Engineering and the **“Third International Conference on Tropical and Residual Soils”**, Zimbabwe, September 1991.

SEDDON, K.D. Joint author with six others: **“Guidelines for the Specification and Testing of Earthworks”**. Australian Geomechanics, No 15. June, 1988.

OSBORNE, T.R. and BRETT, D.M. **“Chemical Grouting of Dam Foundations in Residual Laterite Soils of the Darling Range, Western Australia”**. Fourth ANZ Conference on Geomechanics, Perth 1984.

GHAHREMAN-NEJAD, B., AIREY, D.W., **“Thermo-Mechanical Behaviour of Two Reconstituted Clays: Stress Strain Response”**. Géotechnique.

GHAHREMAN-NEJAD, B., AIREY, D.W., **“Thermo-Mechanical Behaviour of Two Reconstituted Clays: Consolidation and Volumetric Deformations”**. Canadian Geotechnical Journal.