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Professional Curriculum Vitæ



Alfred Grigg

Dip Civil Eng, Grad Dip Bus (Mgt), LGE, EWS Vic., FIE Aust, F IPWEA, CP Eng

Qualifications	Engineering (Civil) Local Government Engineer Engineer Water Supply, Victoria Chartered Professional Engineer Urban Water and Wastewater Engineering Company Secretary
Professional memberships	Fellow of The Institution of Engineers, Australia Member of the Australian Water Association Fellow of the Institute of Public Works Engineering, Australia Fellow of the Local Government Professionals, Victoria
Consulting work	2010- Director, Collaborative Planning and Engineering Associates 1994- Director, Alf Grigg & Associates
Other professional employment	1992-1994 General Manager, Campaspe Regional Water Authority 1989-1992 City Engineer, City of Echuca 1985-1989 Board Engineer, Shepparton Water Board 1970-1985 Various professional engineering roles in local government
Other professional involvement and achievements	1979 - Presented a range of technical papers to specialist conferences of IPWEA, AWA, and Pipes Wagga. 1979 - 1995 National President, Secretary, and Vice-President of APESMA; distinguished life member. 1969-1972 Military service with Royal Australian Engineers as Second Lieutenant concluding with RAE Reserves.
Competencies	Evaluation, condition assessment and lifetime prediction of water supply, sewer and stormwater infrastructure Strategic planning studies for water, wastewater, and stormwater systems Solid waste and landfill specialisations with extensive experience in landfill fire minimisation and remediation strategies Liquid trade waste facilitation Project management Expert witness services
Significant project experience	Advanced condition assessment of water supply and sewer rising mains for Sunshine Coast Regional Council and Wagga Wagga City Council, NSW Condition assessment of the bulk water supply system for Gladstone Area Water Board. Pipeline sizes ranging from 200 to 1800 mm diameter pipelines in



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ferrous and non-ferrous pipelines;

Condition assessment and determination of a 131 km long, high pressure, 600 MSCL water supply pipeline between Menindee and Broken Hill, and a 35km 450 mm diameter pressure pipeline between Umberumberka and Broken Hill, NSW for Country Energy Water;

Condition assessment surveys on various stormwater systems such as brick arch, composite brick and concrete, and other stormwater systems for metropolitan councils in Victoria and New South Wales.

Condition assessment surveys on a 900 mm ovoid profile brick arch drain for Yarra City Council, Melbourne, Victoria;

Assessment of the stormwater system of Wagga Wagga, NSW, with emphasis on the evaluation and residual lifetime prediction of early reinforced concrete, cast iron, and brick arch stormwater drains, the latter drains that date from the late 19th Century.

System-wide sulphide surveys, condition assessment, and remediation options for a major regional wastewater system in New South Wales;

Condition evaluation of 22 ferrous sewer rising mains of varying sizes with Rock Solid for South East Water, Melbourne, Victoria.

Condition evaluation of water supply, sewer, and stormwater assets for Rockhampton City Regional Council.

Condition evaluation of MSCL, DICL, and AC salt water pressure cooling pipelines for Hong Kong Regional Infrastructure Authority.

Business and technical system review and redevelopment for Queensland Urban Utilities.

Review, design, and implementation of fire extinguishment projects in the range of \$1-1.25m, together with fire prevention and remediation strategies.