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Professional Curriculum Vitæ



Michael John CUTHBERT

BE (Environmental Hons I)

Qualifications	BE (Environmental – Honours Class 1), University of NSW, 1998.
Professional memberships	Member, Australian Water Association Member, Association of Professional Engineers Scientists and Managers, Australia
Consulting work	2010- Director, Collaborative Planning and Engineering Associates 2009- Principal & director, MC Environmental Consulting 2006-2009 Sole trader engineering consultant 1998-1999 Transport engineer, Sinclair Knight Merz
Other professional employment	2005-2006 Salinity strategy engineer, Murray-Darling Basin Commission 2003-2005 Senior wastewater engineer, Wagga Wagga City Council 2002-2003 Engineer solid waste & compliance, Wagga Wagga City Council 2000-2002 Waste management services supervision, Wagga Wagga City Council
Other professional involvement and achievements	2002-2004 Convenor, Liquid Trade Waste Forum, Australian Water Association 2003 Member, Pipe Wagga Wagga organising committee
Competencies	Long-term financial planning for sewerage systems Service pricing, including developer charges. Sewerage servicing strategies Liquid trade waste management Outcomes based technical specifications Community involvement/education Community surveys to determine customer satisfaction and service levels NSW Environment Protection Licence annual returns Trained in FINMOD, Pipepak (Huefner Management Systems) and Proclaim (Technology One, Module champion level) software Experienced user of Microsoft Access, Microsoft Project and ArcGIS, including Visual Basic programming in Microsoft Access and Microsoft Excel.
Significant project experience	Water supply and sewerage Strategic business plan for water supply and sewerage (2 utilities) Development servicing plans for water supply and sewerage (3 utilities) Local environmental study – sewerage services component (servicing strategies and costs)



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Capital cost calculations for input into a development servicing plan
Demand management modelling for a local water utility.
Net present value option assessment for a dual supply water supply utility.
Participant in an options workshop for renewing sewerage assets for a remote water utility.
Review of design for a developer provided sewage pumping station.
Sewer overflow investigations report (3 utilities)
Financial modelling of water supply and sewerage businesses (>15 utilities)
Liquid trade waste administration system improvements and management reporting
Valuation of water and sewerage assets according to fair valuation principles (>20 NSW utilities)
Forecasting impacts of implementation of a revised liquid trade waste charging system

Solid waste management

Solid waste collection services pricing
Development of specifications and tender evaluation for kerbside waste collection services
Water balance modelling for sizing detention/evaporation ponds (2projects)
Leachate generation modelling, including evaluation of management options (2 clients)

Other projects

Preparation of customer values survey, analysis and reporting
Workshopping concepts for managing salinity 'real-time' within the Murray River system.
Procurement of a web-based database system to catalogue metadata associated with salinity impact assessments.