

DAVID TURNER

MANAGER, WATER AND SEWERAGE SERVICES

OVERVIEW

With over 40 years experience in all aspects of planning, operation and maintenance of water and sewerage infrastructure, David uses his role as a means to both find innovative solutions and mentor the next generation of engineers. David is very conscientious and has a real passion for what he does, going above-and-beyond to develop efficient water management plans. A family-man and proud Queensland, David spends the rest of his time with his family, going camping and supporting his beloved Broncos, or any other Queensland-related team.

QUALIFICATIONS AND AFFILIATIONS

- » Associate Diploma in Applied Chemistry
- » Member, Australian Water Association
- » Qualified Internal Auditor

CAREER HIGHLIGHTS

Operation and Maintenance (O&M) Manuals, Bulloo Shire Council Project involved the development and documentation of O&M Manuals for the Thargomindah water and sewerage schemes.

Involvement:

- » Treatment train processes and development of schematic layout diagrams
- » Operating philosophy and procedures
- » Documentation of routine operation, maintenance, monitoring and testing activities
- » Troubleshooting guides for all processes
- » Emergency procedures and practices
- » Technical and information bulletins for equipment and processes
- » Ensure all procedures comply with regulatory requirements
- » Local government consultation

Recycled Water Management Plan, Lockyer Valley Regional Council Development and documentation for Gatton Wastewater Treatment Plant in accordance with regulator guidelines

Involvement:

- » Facilitation of meetings with Council staff
- » Information and data analysis
- » Inspection of treatment facilities and development of schematic layout diagrams
- » Risk and hazards assessments for different uses of recycled water
- » Documentation of plan and submission to regulator

OTHER PROJECT EXPERIENCE

Documentation of various plans under the Water Supply (Safety & Reliability) Act 2008 including:

- » Strategic Asset Management Plans
- » Drinking Water Quality Management Plans
- » Drought Management Plans
- » System Leakage Management Plans
- » Customer Service Standards
- » Water and sewerage infrastructure planning reports
- » Network analysis for water reticulation systems and associated reports
- » Asset Management reports
- » Quality Assurance documentation for roadwork
- » Operation and maintenance advice on water and sewerage issues

EXPERIENCE SUMMARY

- » Development and review of Strategic Asset Management Plans, drought management plans, systems leakage plans, Total Management plans, drinking water quality management plans and recycled water management plans in accordance with standards and legislation of Water Supply (Safety and Reliability) Act 2008
- » Development of Operation and Maintenance Manuals including operational procedures for local governments
- » Use of WaterCAD software to determine impacts of development on existing infrastructure.
- » Implementation and maintenance of Brandon & Associates Quality Assurance Systems and development of Roadworks Quality Assurance Systems for local governments
- » Experience with Department of Natural Resources and Water as Senior Technical Officer for over 15 years
- » Experience in the operation of water and wastewater treatment plants

SPECIALISED PRACTICE AREAS

- » Planning, operation and maintenance of local government water and sewerage infrastructure
- » Legislative requirements for local governments under the Water Supply (Safety and Reliability) act 2008
- » WaterCAD software for water network analysis
- » Quality Management Systems

COMMENCED INDUSTRY: 1971

COMMENCED BRANDON & ASSOCIATES: 2004