

POSITION DESCRIPTION

Position Title:	Asset Management Engineer – Water and Wastewater
Position Number/s:	INF-007
Employment Type:	Full Time, Permanent
Agreement:	Charters Towers Regional Council Union Collective Certified Agreement 2023
Award:	Queensland Local Government Industry (Stream A) Award – State 2017
Classification:	Level 8
Directorate:	Infrastructure Services

POSITION OBJECTIVE

The Asset Management Engineer – Water and Wastewater is responsible for the strategic management, planning and optimisation of Council's water supply and wastewater infrastructure assets throughout their lifecycle.

The position provides specialist engineering expertise to support sustainable service delivery, informed investment decisions, regulatory compliance and long-term asset performance. Through the development of asset management frameworks, condition assessment programs, risk-based planning and capital renewal strategies, the role contributes to the reliable provision of water and wastewater services to the Charters Towers community.

ORGANISATIONAL RELATIONSHIPS

Reports to:	INF-120 Manager Water and Wastewater
Directly supervises:	Nil

ORGANISATIONAL VALUES



OUR VALUES

We are a *Community* focused
Team who are *Respectful*
and *Consistent*

DELEGATIONS

In accordance with Charters Towers Regional Council's Register of Delegations.

POSITION DESCRIPTION

KEY RESPONSIBILITIES

1. Develop, implement and maintain Water and Wastewater Asset Management Plans in alignment with Council's strategic objectives and asset management framework.
2. Lead lifecycle planning, renewal forecasting and long-term asset investment strategies to optimise asset performance and service delivery outcomes.
3. Support the development and review of levels of service, asset criticality assessments and risk management frameworks.
4. Contribute to Council's Long-Term Financial Forecast and infrastructure planning processes.
5. Maintain the integrity, accuracy and completeness of water and wastewater asset information systems.
6. Coordinate asset condition assessment programs, data validation activities and asset performance monitoring.
7. Analyse asset data to identify emerging risks, renewal priorities and opportunities for operational improvement.
8. Support the ongoing development of asset management systems, GIS integration and digital asset management initiatives.
9. Develop and prioritise capital renewal, upgrade and replacement programs based on asset condition, risk and service requirements.
10. Provide technical advice and engineering recommendations to support annual budget development and long-term capital planning.
11. Prepare business cases, technical assessments and asset investment justifications for proposed projects.
12. Collaborate with project delivery teams to ensure asset management principles are incorporated into project planning and delivery.
13. Ensure water and wastewater asset management practices comply with relevant legislation, regulations, standards and Council policies.
14. Monitor asset-related risks and develop mitigation strategies to support operational reliability and regulatory compliance.
15. Support audit activities, regulatory reporting requirements and continuous improvement initiatives.
16. Provide specialist engineering advice to internal stakeholders regarding asset performance, network capacity, asset risk and infrastructure planning.
17. Support development assessment activities through the provision of technical advice relating to water and wastewater infrastructure.
18. Develop productive relationships with operational teams, consultants, contractors, regulators and industry stakeholders.
19. Identify and implement opportunities to improve asset management processes, systems and reporting.
20. Comply with Council's Workplace Health & Safety (WHS) Management System including WHS policies, SWMS, procedures and lawful instructions or directions given in the workplace. Employees must comply with their obligations under the *Work Health and Safety Act 2011*. These obligations include reporting of injuries, incidents and hazards, not to wilfully injure yourself or someone else and wearing and maintaining personal protective equipment according to Council procedure. Officers also have obligations to ensure consultation takes place for issues and changes that may impact safety. Officers have a duty to exercise due diligence to ensure the organisation complies with the applicable laws.
21. Comply with reasonable and lawful directives given in the workplace and undertake any other duties associated with the role, as reasonably directed and within the scope of the requirements of the role.

POSITION DESCRIPTION

POSITION REQUIREMENTS

| Knowledge, skills and abilities |

Essential:

- Experience working across geographically dispersed infrastructure networks and balancing networks and balancing asset investment decisions within constrained funding environments.
- Demonstrated experience in engineering, asset management or infrastructure planning within water and wastewater services or comparable utility environments.
- Experience developing asset management plans, lifecycle strategies and capital renewal programs.
- Experience analysing asset condition and performance risk information to support investment decisions.
- Experience using asset management systems, GIS platforms and engineering databases.
- Ability to analyse complex technical and asset data and develop practical, evidence-based recommendations.
- Strong problem-solving and strategic planning capability.
- Knowledge of contemporary asset management principles including ISO 55001 frameworks.
- Knowledge of water and wastewater infrastructure systems and asset lifecycle management practices.
- Understanding of relevant Queensland legislation and regulatory requirements relating to water and wastewater services.
- Understanding of risk management, service level planning and infrastructure sustainability principles.
- Ability to communicate technical information clearly to operational staff, Managers, Executive Leaders and external stakeholders.
- Ability to build productive working relationships across multidisciplinary teams.
- Demonstrated ability to manage competing priorities and deliver outcomes within agreed timeframes.
- Commitment to continuous improvement and customer-focused service delivery.

Desirable:

- Previous relevant Local Government experience.
- Experience with water treatment, wastewater treatment or reticulation networks.
- Experience contributing to long-term financial planning and infrastructure investment strategies.

| Education/Qualifications |

Essential:

- Bachelor of Engineering in Civil, Mechanical, Water and Wastewater or relevant field.
- Eligibility for registration as a Registered Professional Engineer of Queensland (RPEQ) or ability to obtain within twelve (12) months into the role.

Desirable:

- Current RPEQ registration.
- Qualifications or training in Asset Management.
- Membership of Engineers Australia or equivalent professional body.

| Licences |

Essential:

- Possession and maintenance of a Queensland 'C' Class Driver Licence.

Desirable:

- General Safety Induction Certificate (Construction Industry) "Blue/White Card".

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PHYSICAL REQUIREMENTS/POSITION ENVIRONMENT

- This position requires the incumbent to undertake field work exposed to inclement weather.
- The ability to carry out the physical requirements of the position – manual handling, physical labour.
- This position may be required to work weekends and/or overtime as directed.
- This position may be required to work and camp throughout the Council region.
- This position requires the incumbent to be vaccinated for Hepatitis A, Hepatitis B and Tetanus.

Council is committed to providing and maintaining a safe and healthy workplace. This includes taking all steps that are reasonably practicable to prevent the spread of preventable occupational diseases. In accordance with Council's P0199 Vaccinations and Health Monitoring Procedure, positions exposed to occupational diseases will be subject to the Workplace Immunisation Program.

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POSITION DESCRIPTION AUTHORISATION

Position descriptions cannot provide a definitive list of duties and responsibilities. This position description is subject to change from time to time as Charters Towers Regional Council may be developed or restructured. Any such reorganisation of duties shall be the subject of discussion with the position incumbent.

Executive Manager: _____ **Signature:** _____
(Name)

Date: _____

CEO: _____ **Signature:** _____
(Name)

Date: _____

POSITION ACCEPTANCE

I accept the Position Description as stated above and acknowledge that it may require amending or updating periodically due to changes in responsibilities or organisational requirements. Changes to position descriptions will be in accordance with the position classification and consistent with the purpose for which the position was established.

Incumbent: _____ **Signature:** _____
(Name)

Date: _____