

Position description

Position title	<i>Water Quality Planning Technical Leader</i>
Group / Branch	<i>Distribution Solutions</i>
Reports to (Title)	<i>Reliability Planning Manager</i>
Competency level	<i>Individual Contributor</i>

Job Purpose

The purpose of this position is to provide technical, project management and advisory skills within the reliability planning team in the area of Potable Water Quality. It is a senior technical role which assists the Reliability Planning Manager in providing technical, project management and advisory support to the Reliability planning team and wider organisation.

The position will support the Reliability Planning Manager coaching and mentoring junior staff, identifying skill gaps in the team and identify training and other activities to upskill the team and wider organisation.

The incumbent will support the Reliability Planning Manager in a range of complex technical and project management and advisory activities as set out under Key Accountabilities

The incumbent will also be accountable for and lead water quality planning projects as per other reliability planning team members but will be involved in projects of greater complexity or stakeholder interaction. The role will be critical in ensuring that the planning team's intent for a project is continued by other parts of the business as a project travels through design, business case development and deliver. The role will also be responsible for portfolio budget planning for the long-term expenditure within the growing Water Quality portfolio.

The role will be a focus point for water quality planning and lift the activity, effectiveness and profile of water quality within Reliability Planning, Distribution Solutions and the wider organisation. The role does not work alone with an operations focused Water Quality Team providing day-to-day oversight for South East Water.

Key Accountabilities

- Engage with regulators and DEECA on current and emerging water quality guidance
- Sit on cross industry relevant standards and regulatory committees, both within Vic and nationally to influence and stay abreast of water quality issues and regulations.
- Work closely with Melbourne Water on their Water Quality Strategy. Establish a 'back to back' water quality risk management strategy with MW, consistent with other retailer positions
- Understand current and emerging water quality regulations and interpret into to assess the capacity of our assets to ensure water quality objectives are met, determine new build and upgrade options where required. Hand over concepts to our integrated planning team for functional design
- Put in place planning measures that ensure our Potable Water Networks are resilient to water quality events and that we can demonstrate best practice to the Department of Health.

- Prepare advice for South East Water's Executive and Board on current and emerging water quality issues, and specifically the impact these have on our existing assets and related plans and policies.
- In combination with the Operational Water Quality Team, that our customer service key performance indicators are maintained in respect to Water Quality.
- To provide ad-hoc assistance to Water Quality incidents.
- Take a key role in the development and maintenance of a risk based asset strategy for the potable water and recycled water networks in compliance with ISO55001.
- Preparing Asset Management (reliability) plans for the potable water and recycled water assets including reviewing and updating these plans as part of the annual Corporate planning process. This is important to ensure that the South East Water is investing in a manner which is efficient and effective in meeting agreed performance standards.
- Lead and project manage complex projects, strategic investigations and planning activities including regional plans for management of water quality. Track projects referred to the team from across the organisation.
- Make engineering judgements in relation to water quality planning projects to effectively manage South East Water's risks.
- Development of water quality asset risk profile by applying a consistent likelihood of failure framework, and asset criticality framework. Refine asset risk models that clearly capture gross asset risk, current and planned risk control and risk treatment to effectively manage asset failure risks to an acceptable residual level. Alignment with South East Water corporate asset register, risk framework and applicable industry best practice.
- Work with the organisation to accurately capture and display water quality data and planned solutions in South East Water's asset information systems.
- Determine the scope and timing of water and recycled water network asset renewal works for inclusion in South East Water's Corporate Plan and Price Submission as they impact water quality.
- Evaluate risk mitigation options, and prioritise capital investment based on risk, and value engineering.
- Manage South East Water involvement in asset management reliability R&D projects and take a key role in scanning for relevant emerging technologies.
- Ensure appropriate consultation with internal and external stakeholders occurs during the development of asset management plans, master plans, planning phase of projects and programs so that unity exists across the organisation prior to implementation.
- Undertake risk assessment of assets and develop strategies for capital and maintenance programs to maintain reliable assets on a whole of life basis.
- Predicting future requirements based on an optimum mix of activities to ensure adequate system performance to meet business KPI's.
- Assist with the continued development of robust databases for Asset Management Reliability planning purposes.
- Coordinate with other Branches and sections to ensure complete hydraulic service asset reliability plans are developed.
- Undertake analysis of water quality failures and performance
- Provide leadership in ensuring ongoing adherence to and updates of asset lifecycle management plans
- Keeping abreast and sharing the latest development in engineering technologies relevant to the water industry, particularly associated with water quality, condition assessment and corrosion
- Provision of advice to design and construction project managers, contribute to the development and improvement of data management systems to meet needs.
- Engaging and making the position contribute to the development sound water quality systems and procedures across the organisation

- Define business needs, work with design consultants and capital delivery partners to ensure our needs are met throughout the life cycle of a project.
- Provide technical expertise to assist our operation teams.
- Undertake other activities, as directed.

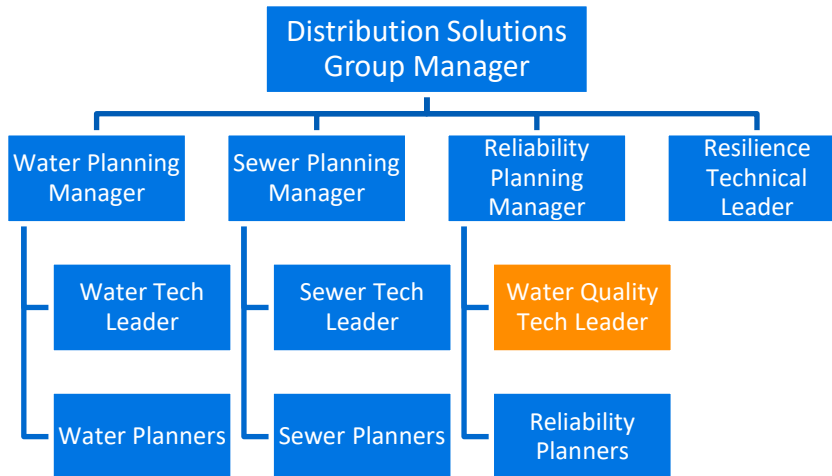
Knowledge, Skills & Experience

- Bachelor degree in Engineering or similar qualification and relevant work experience.
- Professional Registration in Victoria required, chartered PEng preferred
- Minimum of 10 years' experience, with a significant component of that in water quality planning
- Demonstrated experience and knowledge of Potable Water Quality principles and science standards and regulations.
- Demonstrated experience, knowledge and influencing of policy, regulations and standards that govern the environmental, safety and product quality aspects of water quality planning.
- Ability to exercise independent professional judgement in recognising and solving problems relying on experience/policies/procedures; expanding, and adapting those policies and procedures if required
- Ability to undertake complex technical and analytical work under limited supervision and direction and provide technical mentoring and leadership to other members of the team
- Knowledge of process modelling and simulation tools and experience using these tools to plan and/or optimise water quality network processes (desirable, not essential)
- Knowledge of Asset Management Principles as they relate to reliability of pipelines and other water industry engineering assets
- Knowledge of risk management systems
- Experience in the delivery and operation chlorinators and other water quality technologies.
- Construction, maintenance or operating experience or knowledge related to water industry engineering activities.
- Knowledge in developing asset management plans for maintaining asset reliability and water quality.
- Ability to work and collaborate successfully as part of a broader team, especially across multiple SEW business units, to achieve the best customer outcomes for South East Water
- Highly organised, with experience in project and program management
- Clear customer focus when dealing with both internal and external stakeholders, with demonstrated commitment to excellence
- Ability to write clear, unambiguous technical reports, business cases, project briefs, board papers, workshop reports, meeting minutes
- High level of verbal communication skills to inform, influence and exchange knowledge in a variety of settings.
- Ability to undertake complex technical and analytical work under limited supervision and direction and provide technical mentoring and leadership to other members of the team
- Ability to lead project teams by influencing stakeholders and delivery partners to ensure the best project outcome is achieved

Dimensions

Organisational Chart

Complete the organisational chart below, outlining the reporting structure for this role, including the direct people leader and any employees that report directly to the role.



Number of people managed:

0 direct reports

Size of budget managed:

Joint management of the long term water quality portfolio of around \$60million over the next 5 years. Individual project budgets of up to \$500k to be effectively managed.

Value of Assets managed:

This role is responsible for providing technical advice on the water and recycled water and networks and making recommendations on business cases. Work is done in relatively close contact with the manager. Authority to approve expenditure is as detailed in the Financial Schedule of Delegated Authorities.

Ensuring a sustainable, resilient organisation:

Authorities outlined in [Instrument of Delegations](#) none

Compliance management responsibilities outlined in the [compliance and obligations register](#) yes - operational responsibilities

For Engineering roles the role requires a Professional Engineer (accredited 4 year degree) and requires professional registration in Victoria

Does the role involve working with children no.