

World class water services for a better life

Position Title	Water Treatment Performance Analyst		
Position Number(s)	001766/005710	Manager Title	Manager Water Process Design & Standards
Business Group	Business Services	MoR Title	Senior Manager Water Expertise
Business Unit	Water Expertise	Direct Report's Title(s)	Not Applicable

What is the unique purpose of the role?

Deliver specialist technical water treatment process and network performance management analytical services to Production & Treatment that support operational optimisation, intelligent business reporting and regulatory asset planning activities.

What does the role do?

The key accountabilities unique to this role are (3-6 required):

Key Accountabilities	Accountability Details (2-8 per accountability)
Water Supply System Performance Monitoring and Reporting	<ul style="list-style-type: none"> Develop and maintain expertise in the production and dissemination of water supply system quality performance reports. Complete all scheduled business performance reporting activities in line with corporate and group requirements, including engagement and communication with key stakeholders. Deliver an informed assessment of water quality performance to the Water Treatment Managers and key business stakeholders that guides the identification of risks and opportunities. Collaborate with field-based operations staff to identify improvement opportunities and create tools that support early detection of potential water supply system problems. Participate in reviews of water supply system performance measurement frameworks and metrics in order to improve effectiveness. Actively seek ways to improve the accuracy, relevance and speed with which these reports and supporting tools are produced and communicated.
Water Supply System Data Management	<ul style="list-style-type: none"> Keep up-to-date and maintain expertise in water quality and treatment, exercising state-of-the-art capability in data and reporting analytics, with a specific focus on asset performance. Contribute to the development of knowledge and application of data analytics tools across SA Water. Develop standardised data management and analysis tools for implementation across Production & Treatment and Water Expertise, including, where appropriate, training for users.

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Key Accountabilities	Accountability Details (2-8 per accountability)
Water Supply System Strategies and Initiatives	<ul style="list-style-type: none"> • Drive the creation of data management and analysis tools that provide value to asset planning functions undertaken by Water Expertise, Water Assets and Production & Treatment. • Initiate and provide technical support in the development and delivery of applied research projects that support performance improvement and/or optimisation of existing water treatment and network asset operations. • Undertake investigations and field trials that support development of strategies for improved level of service associated with water quality and asset reliability of treatment and network dosing assets. This includes project scoping, resource identification and day-to-day project management, as agreed with stakeholders.
Customer Service	<ul style="list-style-type: none"> • Provide an effective technical support service to Production & Treatment, Water Expertise and allied stakeholder groups. • Participate in the scheduled review of relevant DWQMS documentation. • Develop procedures relating to effective and efficient treatment process data management across Production & Treatment. • Establish cooperative working relationships with other business units in SA Water.

Knowledge, skills and experience the role requires

Criteria which will be used for recruitment and selection for this role (maximum of 8):

Foundation Knowledge, Skills, Experience and Qualifications	Essential or Desirable
Tertiary qualification in engineering or science in a relevant technical discipline	Essential
Knowledge of water industry principles and practices, water treatment and chemical dosing processes	Essential
Advanced capability in data analytics and visualisation platforms, including Excel, VBA, PI, SCADA, and ability to learn new applications, such as Asset Frames and MS SQL	Essential
Ability to effectively interpret the results of laboratory analyses, real-time SCADA data and other asset data sets, including verbal and written communication to key stakeholders of risks and opportunities to improve asset performance or address asset deficiencies.	Essential
Ability to establish and maintain sound interpersonal relationships with personnel at all levels	Essential
High skill level in the provision of technical communication (verbal and written)	Essential
Ability to undertake technical investigations across varying degrees of complexity, including stakeholder engagement and collaborative implementation of recommendations.	Essential
Experience with sampling techniques, laboratory analysis and general laboratory operations associated with water quality and treatment	Desirable

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Who you work with

Key Stakeholder Relationships critical to the success of this role (maximum of 6):

- Water Expertise
- Production & Treatment (Water)
- Water Assets
- Commercial & Technical Operations
- Operations Control
- Information Technology

Special conditions

Does the role have any unique requirements?

- Flexible hours and some after hours as required, some intra and interstate travel (mandatory)
- You will be required to hold a current driver's licence at all times

Your PD outlines what the requirements of your role are. The behaviours you demonstrate are equally as important and form part of your PD.

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