Position Description

SA Water

World class water services for a better life

Position Title	Wastewater Treatment Performance Analyst		
Position Number(s)	005732	Manager Title	Manager Wastewater Design & Standards
Business Group	Business Services	MoR Title	Senior Manager Wastewater Expertise & Environment
Business Unit	Wastewater Expertise &Environment	Direct Report's Title(s)	Not Applicable

What is the unique purpose of the role?

Support the Production & Treatment group in the standardisation of operational data management and technical investigations to realise enhanced effectiveness and efficiency in monitoring wastewater and recycled water system performance, proactive diagnosis of operational issues, identification of optimisation opportunities, performance reporting functions and business intelligence driven asset planning.

What does the role do?

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

Key Accountabilities	Accountability Details (2-8 per accountability)
Performance Monitoring and Reporting	• Develop and maintain expertise in monitoring, evaluating and reporting on outcome and performance of wastewater treatment, recycled water and biosolids management. • Produce and disseminate SPI/KPI reports on effluent quality, treatment performance, and operational efficiency, which guide the identification of risks and opportunities. • Undertake scheduled business performance reporting activities in line with regulatory, corporate and group requirements, including engagement and communication with key stakeholders. • Participate in reviews of wastewater treatment and recycled water performance measurement frameworks and metrics in order to improve effectiveness.
Treatment Process Evaluation	• Facilitate treatment process reviews for diagnosis of operational issues and identification of process optimisation opportunities • Develop user friendly data analytics tools and/or models that support early detection of potential treatment and residuals management issues. • Undertake capacity analysis and performance evaluations to inform Asset Management and Capital Delivery investigations.
Wastewater System Data Analytics and Management	• Contribute to the development and maintenance of knowledge and application of Business Intelligence system across SA Water. • Champion standardised data management and develop data analytics tools for implementation across Production & Treatment and Wastewater Expertise, including, where appropriate, training for users. • Develop procedures relating to effective and efficient treatment process data management across Production & Treatment.

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Key Accountabilities	Accountability Details (2-8 per accountability)
Wastewater Treatment Strategies and Initiatives	• Provide an effective technical support service to Production & Treatment, Wastewater & Environment Expertise and allied stakeholder groups. • Provide support to the development and management of the desludging program through an optimised annual operational budget for efficient and effective delivery and residuals management planning by Production & Treatment • Provide technical support in the development and delivery of applied research projects that support performance improvement and/or optimisation of existing and new wastewater treatment, recycled water and biosolids management operations. • Initiate and undertake investigations and field trials that support improved level of service associated with water quality, energy usage and asset reliability of wastewater treatment, recycled water and biosolids management.

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
Demonstrated treatment process knowledge and experience with operating wastewater treatment facilities	Essential
Advanced data analytics and demonstrated ability to learn new applications	Desirable
Experience with wastewater sampling, analysis and/or laboratory operations	Desirable
Excellent written and verbal communication skills across multidisciplinary teams	Desirable

Who you work with

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

- Production & Treatment
- Wastewater Assets
- Wastewater Expertise
- Metro Operational Alliance Partner (Allwater)
- Laboratory Services (Australian Water Quality Centre)
- Information Technology Services

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

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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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