

World class water services for a better life

Position Title	Manager Reliability & Condition Monitoring		
Position Number(s)	004726	Manager Title	Senior Manager Maintenance
Business Group	Asset, Operations & Delivery	MoR Title	General Manager Asset, Operations & Delivery
Business Unit	Maintenance	Direct Report's Title(s)	<ul style="list-style-type: none">• Operational Readiness Engineer• Reliability Engineer• Maintenance Data Controller• Lead Condition Monitoring Engineer• Integrity Engineer

What is the unique purpose of the role?

What is the reason for the role's existence and the key contribution to SA Water's success?

Lead the development of effective and smart maintenance and reliability strategies for SA Water's assets to ensure service reliability are provided that optimise risk, operational performance and life cycle costs.

What does the role do?

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

Key Accountabilities	Accountability Details (2-8 per accountability)
Safety culture and leadership	<ul style="list-style-type: none">• Lead and promote changes through role modelling positive and constructive behaviours and implementing change strategies to promote and facilitate a high performing and strong safety leadership culture.• Lead the development of the business plan to achieve strategic priorities and performance goals with a strong continuous improvement ensuring all accountabilities are met on time.• Work collaboratively to leverage the collective capability, make better decisions and move forward with commitment.• Drive budget responsibility and accountability through the relevant responsibility centre.

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Key Accountabilities	Accountability Details (2-8 per accountability)
Maintenance and reliability strategies and plans	<ul style="list-style-type: none"> Develop the maintenance and reliability framework to outline the SA Water's approach for effective maintenance and reliability management that well-integrated with the asset life cycle. Develop processes, systems and tools to ensure maintenance and reliability strategies and plans are integrated into the capital delivery process as part of operational readiness. Lead the development of maintenance strategies and plans to comply with the asset management system and reliability engineering requirements. Ensure maintenance strategies consider analysis of internal and external operating environments, including regulation, technical and Australian standards requirements. Develop the performance monitoring system and tool to measure effectiveness and optimisation of maintenance strategies to drive continual improvement. Ensure critical spares and stock levels are integrated into maintenance and reliability strategies.
Maintenance master data	<ul style="list-style-type: none"> Develop the maintenance master data standard to outline the SA Water's approach to ensure appropriate processes, systems and tools are used to create and change maintenance strategies, plans and associated data. Influence to other functional data owners to ensure enterprise data is accurate, reliable and meets business rules and the master data standard. Design regular master data reviews and audits to improve maintenance data integrity and quality.
Reliability, condition monitoring and non-destructive testing services	<ul style="list-style-type: none"> Lead the development and delivery of reliability, condition monitoring and non-destructive testing programs for linear and non-linear assets as per the regulation, technical and Australian Standards. Develop and manage processes and systems to support the delivery of condition inspection and assessment programs that inform asset maintenance and renewal decisions. Ensure to review and monitor reliability data to drive continual improvement on asset performance and maintenance cost. Ensure to provide proactive diagnostic services for fault finding, defect elimination and technical reliability engineering.
Smart maintenance, predictive and data analytics	<ul style="list-style-type: none"> Develop smart maintenance strategies moving from reactive to predictive maintenance to increase operational performance and reduce asset TOTEX costs. Develop and deliver new systems such as event-based, performance-based, condition-based and data driven predictive maintenance using the artificial intelligent data analytics platform. Lead the development of the SA Water's maintenance budget in line with the finance team.
Stakeholder management	<ul style="list-style-type: none"> Build and maintain sound and valued relationships with key internal and external stakeholders to ensure SA Water has adequate maintenance strategy support.

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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
A tertiary qualification in engineering	Essential
Demonstrated experience in planning and management of reliability engineering, condition monitoring and non-destructive testing services for large infrastructure based operational businesses	Essential
Highly developed people management capability to manage a diverse engineering and technical team effectively	Essential
Superior communication, presentation and writing skills including demonstrated experience in writing business cases, reports, briefing notes, Senior Leadership Team and Board Papers, business plans, etc	Essential
Demonstrated experience in leading and developing teams with focus on organisational constructive culture development	Essential
Demonstrated ability to lead and influence employees to deliver improved experiences for customers	Essential

Who you work with

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

- Internal stakeholders including: People & Safety, Workshops, Work Planning & Scheduling, Asset Management, Capital Delivery, Engineering, Procurement, Customer Field Services, Production & Treatment
- Metro operation and maintenance
- Industry bodies such as AWA, WSAA
- Other water utilities

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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