

Position Description

Operational Water Modelling Manager

Portfolio: Operations

Reporting to: Manager Water Quality & Operational Modelling

Position Purpose

To lead a team of water resource modelling specialists, to deliver timely and accurate planning and operational 'water' models, advice and related services; in accordance with regulatory requirements, and drive excellence in safety.

Key Accountabilities

1. **Safety:** Ensure all activities are undertaken with the safety of everyone as the number one priority and at all times role model safe behaviour.
2. **Values:** behave and make decisions in accordance with the WaterNSW Values at all times.
3. **Leadership:** delivering strategic priorities and developing the culture, capability and performance of our people.
4. **Management:** Oversee and manage the implementation through design, build, calibration, maintenance, and application of a broad range of models to assist WaterNSW to meet legal, regulatory, customer and business requirements. This covers a broad range of bespoke and complex hydrologic and hydraulic models for the use of internal and external clients, including operational planning and system models, hydraulic models, catchment and stream models, water quality models, network models and flood models.
5. **Services and Advice:** Ensure that accurate and timely water modelling advice and services is provided proactively to internal and external stakeholders leading to better informed operational decisions.
6. **Advocacy:** Provide technical advice on the development and application of appropriate solutions to assist with enhancing WaterNSW's capability to meet legal, regulatory, customer and business requirements.
7. Actively participate in water resource incident management, typically but not limited to flood and drought responses, to ensure incidents are managed in a timely and efficient manner in line with regulatory requirements.

8. Maintain effective working relationships with internal stakeholders and regulators to ensure the timely resolution of customer, stakeholder and regulator issues relating to operational water modelling issues and concerns.
9. Identify and address knowledge gaps relevant to the Water Modelling team to ensure understanding of legislative and policy frameworks in which the team operates.
10. **Representation:** This position is a primary point of contact for water resource modelling stakeholders to ensure WaterNSW's adherence to industry standard practice, legal and regulatory requirements.

Key Challenges

- Ensuring Water resource modelling solutions and outcomes match current and emerging business and regulatory requirements.
- Maintaining linkages, collaborative arrangements and consistency with other WaterNSW business units and industry partners.
- Prioritization between long term project work against short-term operational requirements.

Significant Internal Relationships

Stakeholder	Purpose of Relationship
Subject Matter Experts	<ul style="list-style-type: none"> • Defining and documenting critical WaterNSW business and project requirements • Providing business and technical advice/review/input/endorsement for externally delivered projects
Operations, Strategy & Performance, Digital	<ul style="list-style-type: none"> • Confirmation of business views/feedback/support to enable decision making in relevant business and project governance forums

Significant External Relationships

Stakeholder	Purpose of Relationship
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DPE, DCCEEW Project Managers, Design Managers and design consultants	<ul style="list-style-type: none"> Provision of WaterNSW owner operator inputs/advice/review/endorsement for projects
WaterNSW' customers and project stakeholders, emergency response agencies	<ul style="list-style-type: none"> Understanding expectations and requirements to inform WaterNSW advocacy and input to project development and delivery ensuring outcomes meet requirements and expectations Represent WaterNSW on external committees, such as the ACT-NSW Flood Warning Consultative Committee
WaterNSW regulators	<ul style="list-style-type: none"> Understanding expectations and requirements to inform WaterNSW input to project development and delivery ensuring outcomes meet regulatory requirements

Delegations, Financial Accountabilities & Freedom to Act

- As defined in the WaterNSW Financial Delegations as varied from time to time.

WaterNSW Leadership & Performance Competencies

People	Level	
Driving Performance	B	<ul style="list-style-type: none"> Ensures the team has the capability and resources required to undertake work effectively Monitors team's progress in achieving goals; takes action to keep the team on track and recognise achievements Works with team members to develop SMART goals Listens to and involves others in team decisions and actions; values and utilises individual differences and talents.

Communicating with influence	C	<ul style="list-style-type: none"> Generates interest in complex ideas and concepts Builds support by taking the time to educate and consult others Uses storytelling effectively to meaningfully convey key messages
Customer	Level	
Partnering & Advice	B	<ul style="list-style-type: none"> Engages in a productive dialogue with the customer to consultatively identify a solution Provides credible advice for customers based on an understanding of the underlying issue Knows when to draw on additional resources to provide appropriate support and advice for customers
Collaboration and Engagement with Customers and Stakeholders	B	<ul style="list-style-type: none"> Proactively builds relationships internally and externally to positively impact the business Actively engages with customers and stakeholders to understand concerns and leverage opportunities for adding value Initiates and maintains extensive networks to enable the achievement of business objectives
Business	Level	
Analysis and Problem Solving	C	<ul style="list-style-type: none"> Takes a broad view when analysing complex and ambiguous situations Recognises patterns and draws linkages between data and/or situations Develops long term solutions that address the root cause of problems and prevent recurrences Selects and uses problem solving tools appropriate to the problem and the context

		<ul style="list-style-type: none"> Evaluates the effectiveness of implemented solutions
Planning & Delivering Results	B	<ul style="list-style-type: none"> Manages expectations and accepts accountability for deadlines, budget and outcomes Delivers consistently to plans and focuses on the achievement of results despite obstacles Implements quality assurance practices to ensure projects and activities are delivered to required standards. Initiates action without prompting

Mandatory Candidate Requirements

Qualifications:

- Relevant Tertiary Engineering qualifications or other related discipline as deemed appropriate.
- Current NSW Drivers Licence.

Knowledge:

- Expert knowledge in hydrologic/hydraulic/water supply/water data models and systems through post graduate studies or through extensive experience.

Experience:

- Demonstrated experience in developing and/or applying hydrologic/hydraulic modelling software to provide solutions to problems and to provide information as inputs to decision making processes.
- Experience in leading a team and well developed people management skills.

Favourable Candidate Requirements

- Demonstrated experience in calibrating hydrologic/hydraulic models, data analysis, and reporting on modelling outcomes.
- Evidence and understanding of NSW water resource regulatory requirements
- Evidence of understanding of water quality and quantity issues confronting Government and how this directly impacts on WaterNSW.

- Detailed understanding of WaterNSW or other water supply agencies

Pre-Employment Checks Required

- Identification
- Qualifications
- Drivers Licence
- Pre-employment Medical (Office based)
- Police Check