

Position Description



Local Water Utilities (LWU) Dam Engineering Officer

Business Unit: Operations

Reporting to: LWU Dam Safety Risk Specialist

Position Purpose

Provide dam engineering support in the delivery of dam safety risk assessments within the Local Water Utilities (LWU) Dam Safety Services Program and put safety first.

Key Accountabilities

1. **Safety:** ensure all activities are undertaken with the safety of our people as the number one priority and always role model safe behaviour.
2. **Values:** behave and make decisions in accordance with the WaterNSW Values at all times.
3. Provide technical input and support for the dam safety services program to deliver projects and activities to increase LWU compliance under the dam safety regulation.
4. Participate in and record dam safety risk workshops, facilitated by WaterNSW, leading to delivery of dam safety risk assessment reports to LWUs.
5. Undertake risk assessment calculations and prepare summary reports for submission to the LWUs, following the methodology in ANCOLD's 2022 guidelines on risk assessment.
6. Liaise with LWUs to collect and review information and studies on dam design, construction and performance for use within risk assessment.
7. Manage assigned tasks and perform research to meet specific project and program needs.
8. Work collaboratively and share knowledge within the team and across the business unit to meet team and organisational objectives.
9. Manages reporting according to NSW Dam Safety Regulation requirements to ensure quality of deliverables to maximise customer satisfaction.

Actively participating in project meetings with a variety of customers, presenting results of dam research and studies undertaken, and working closely with them to receive and act on feedback to their satisfaction.

Key Challenges

- Develop understanding and competency in dam safety risk assessment.
- Delivery of risk assessments across many LWUs to adhering to tight timeframes.

- Develop understanding of the LWU regulatory challenges and contribute to identification, and implementation of solutions.
- Apply risk assessment and dam safety principles to interpret existing technical reports to inform risk estimates.

Significant Internal Relationships

Stakeholder	Purpose of Relationship
Dam Engineering Delivery Team Dam Safety Team Asset Services Team	<ul style="list-style-type: none"> • Alignment of service delivery model with WaterNSW's Dam Safety Management System • Cross pollination of skills and capability between teams

Significant External Relationships

Stakeholder	Purpose of Relationship
Local Water Utilities	<ul style="list-style-type: none"> • Customers for dam safety services • Managing expectations and delivering on requirements to lift regulatory compliance

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	
Communicating with Influence	A	<ul style="list-style-type: none"> • Uses information, facts and figures to explain an idea or concept • Initiates conversations and asks appropriate questions where necessary • Presents information in a clear and structured manner, both verbally and in writing, to ensure a positive response from the audience
Awareness and Personal Resilience	A	<ul style="list-style-type: none"> • Recognises own emotions and their effects, and is always aware of own response to pressure and change

		<ul style="list-style-type: none"> • Uses effective strategies to stay calm and composed under pressure • Continuously demonstrates personal integrity, honesty and sincerity • Recognises when to ask for support when under stress
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Customer	Level	
Collaboration & Engagement With Customers and Stakeholders	B	<ul style="list-style-type: none"> • Builds and maintains relationships with individuals from other work groups to accomplish shared goals • Adapts approach to meet the needs of a broad range of customers and stakeholders
Partnering & Advice	A	<ul style="list-style-type: none"> • Draws on own knowledge to provide basic advice to customers • Uses appropriate questioning techniques to understand the underlying issue for a customer

Business	Level	
Planning and Delivering Results	A	<ul style="list-style-type: none"> • Completes work in a timely manner to expected standards • Identifies issues or roadblocks, looks to solve first and if needed advises upwards • Plans and organises work by drawing on necessary tools and resources • Monitors the progress of plans and deliverables • Identifies more critical and less critical activities; adjusts priorities when appropriate • Displays drive and a clear focus on achieving results

Analysis and Problem Solving	B	<ul style="list-style-type: none"> • Defines the extent and cause of the problem through observation and investigation • Knows when and how to source and use additional information to effectively diagnose the problem and determine suitable solutions. • Considers all possible solutions and seeks input from subject matter experts where appropriate • Takes necessary action to implement the identified solution
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Technical Competencies

Competency	Level	
Nil		

Mandatory Candidate Requirements

Qualifications:

- Engineering or scientific degree from a tertiary institution.
- Current NSW Drivers Licence.

Knowledge:

- Written and oral communication skills with capacity to communicate effectively with multi-disciplinary professionals and project team members, and to provide reports.
- Understanding of the NSW dam safety regulation and its requirements.
- Understanding of ANCOLD guidelines on Risk and ANCOLD guidelines on Dam Safety Management.

Experience:

- Proven experience in the Dams industry.
- Proven experience in dam safety risk assessment.

Favourable Candidate Requirements

- Understanding of principles and practices of dam design, construction, safety surveillance and maintenance, and the statutory and institutional framework for dam safety management.
- Experience using 'TotalRisk' software package in the delivery of dam safety risk assessments.
- Experience undertaking safety reviews of dams.

Pre-Employment Checks Required

- Qualifications
- Drivers Licence
- Pre-employment Medical (Field)
- Police Check