

# Goulburn-Murray Water Position Description

## Senior Dam Safety Engineer – Position Number SSP310

<b>Role Purpose:</b>	
Contribute to the development, maintenance and implementation of best practice business systems to guide the delivery of all aspects of dam safety management. This includes the monitoring, surveillance and reporting of behaviour; the appraisal and management of dam safety related risks; and the auditing of compliance with agreed standards, for all of the Corporation's dams and related assets.	
Reports to (title)	Dam Safety Manager
Classification / Band	Band D
Allowances	GMW Mobile Phone
Employment Status	GMW considers every role flexible where this can still deliver the required business outcomes, this could include but is not limited to part-time or job share.
Location	Albury/Wodonga (Hume Dam) or Tatura
Position Contact	David Jeffery - Dam Safety Manager - 02 6022 2251
Key skills, Qualifications & Experience required	<p><u>Mandatory</u></p> <ul style="list-style-type: none"> <li>- Completion of a Degree in Civil Engineering leading to admission to Corporate Membership of the Institution of Engineers Australia</li> </ul> <p><u>Desired</u></p> <ul style="list-style-type: none"> <li>- Possess experience in inspection, investigation, design, construction, operation and maintenance of large dams and appurtenant equipment</li> <li>- Demonstrates knowledge of the fundamentals of dam safety risk assessment and management</li> </ul>
Other Requirements	Proof of Covid-19 vaccination status Police check Australian drivers licence (mandatory) Australian Working Rights Experience in underground, confined space and height related asset inspections
Approver/Approval Date	Sophie Riddell – Manager HR Business Partnering – 29 April 2022

Key Result Areas	Key Responsibilities	KPIs
Asset Condition Monitoring	<ul style="list-style-type: none"> <li>• Oversee the dam safety surveillance and monitoring program</li> <li>• Conduct and report on intermediate and comprehensive dam safety inspections</li> <li>• Conduct and report on special inspections arising from incidents and asset deterioration</li> <li>• Analyse and report on dam safety status</li> <li>• Support Water Storages in the conduct and reporting of dam surveillance and monitoring activities</li> </ul>	<ul style="list-style-type: none"> <li>• Dam Safety Audits (State and internal)</li> <li>• Actions to address threats to asset integrity</li> <li>• ANCOLD standards and guidelines</li> <li>• Regulatory guidelines</li> <li>• Annual reviews</li> <li>• SoO section 5.3</li> <li>• MDBA MoU</li> </ul>
Engineering Standards	<ul style="list-style-type: none"> <li>• Contribute to the development, setting and use of appropriate dam engineering standards for operations, maintenance and renewals</li> <li>• Provide high level technical advice to Asset Planning and Water Storages sections on dam safety and dam engineering issues</li> <li>• Monitor developments in dam safety industry guidelines or standards and advise on their impact on activities of the Authority</li> </ul>	<ul style="list-style-type: none"> <li>• GMW Technical standards</li> <li>• Operations and Maintenance Manuals</li> <li>• ANCOLD standards and guidelines</li> <li>• SoO section 5.3</li> <li>• MDBA MoU</li> </ul>
Design Review Management	<ul style="list-style-type: none"> <li>• Manage the dam safety / design review process for allocated dams</li> <li>• Develop briefs, engage consultants, oversee consultant performance and supported by relevant experts, critically review all consultant reports and recommendations</li> </ul>	<ul style="list-style-type: none"> <li>• Dam safety/design review report</li> <li>• Consultant reviews</li> </ul>
Dam Safety Management	<ul style="list-style-type: none"> <li>• Review and update the corporation's dam safety portfolio risk assessments</li> <li>• Support the development of risk management practices appropriate for large dams.</li> </ul>	<ul style="list-style-type: none"> <li>• GMW Dam Safety Management System</li> <li>• Dam Safety Emergency Plans</li> <li>• Flood Management Plans</li> <li>• Dam Safety Committee KPI's</li> </ul>

	<ul style="list-style-type: none"> <li>• Assist Dam Safety team to manage GMW’s Dam Safety emergency planning, management and emergency response</li> <li>• Support review and update of the GMW Dam Safety Management system</li> <li>• Administer the Seismic Monitoring Agreement</li> </ul>	<ul style="list-style-type: none"> <li>• Agreement compliance</li> </ul>
Reporting	<ul style="list-style-type: none"> <li>• Report on intermediate, comprehensive and special inspections &amp; audits</li> <li>• Report on status of and changes to dam safety risk assessments</li> <li>• Report on status and outcomes of dam safety/design reviews</li> </ul>	<ul style="list-style-type: none"> <li>• Regulatory reporting deadlines</li> <li>• Internal reporting deadlines</li> <li>• Data quality</li> <li>• Report quality</li> </ul>

*Note: Other duties and responsibilities may be required as reasonably directed*

**Mandatory Key Result Areas for all GMW positions**

Safety	<ul style="list-style-type: none"> <li>• Comply with all GMW OH&amp;S standards, policies and procedures</li> <li>• Contribute to the continuous improvement of HSE systems by consulting with staff and passing on recommendations to improve the system to the HSE Team</li> </ul>	<ul style="list-style-type: none"> <li>• Investigate and close out incident and hazard reports on time</li> <li>• Workplace inspection findings corrected</li> <li>• Internal Audit finding actions corrected</li> <li>• All staff mandatory training completed</li> <li>• Safety meetings conducted with actions completed</li> </ul>
Policies	<ul style="list-style-type: none"> <li>• Adhere to GMW policies and procedures</li> <li>• Stay up-to-date on all GMW policies</li> <li>• Ensure all GMW policies are promulgated and adhered to</li> <li>• Advise on potential changes to policies as required by local conditions</li> <li>• Ensure all policies are communicated to, and understood by, the team</li> </ul>	<ul style="list-style-type: none"> <li>• Audit results (internal)</li> <li>• Numbers of issues escalated through team not adhering to policies</li> </ul>

**Key Relationships**

All GMW employees are responsible for managing aspects of our customer/stakeholder relationships and service interactions, and will work proactively to deliver a consistent customer experience.

Internal	External
<ul style="list-style-type: none"> <li>• Water Storages</li> <li>• Surveys</li> <li>• Technical Standards</li> <li>• Infrastructure Delivery Services</li> <li>• Electrical &amp; Mechanical Support</li> </ul>	<ul style="list-style-type: none"> <li>• MDBA</li> <li>• Victorian State Dams Regulator</li> <li>• NSW Dam Safety Regulator</li> </ul>

**Behaviours and Values**

*All employees are required to demonstrate GMW’s values through their work and their dealings with internal and external customers. Behaviours must also align with the values and with GMW’s strategic outcomes below:*

**Safe, Skilled, engaged people**

Contribute to a safe, inspiring and diverse workplace where learning is encouraged and your team feels supported. You openly demonstrate the vision and values of GMW through your own behaviours.

**Satisfied customers, trusting partners**

Exhibit at all times a customer-first attitude and you are focused on delivering outcomes that meet the needs of our customers, stakeholders and communities. You deliver solutions in response to customer and operational issues.

**Sustainable business, viable customers**

Take ownership for delivering affordable and sustainable water services through the decisions you make every day and take responsibility for ensuring ongoing business efficiency. You operate in a timely manner and with a sense of urgency when required and you consistently prioritise your work to meet the ongoing, and sometimes changing needs of our business.

**Water security and other water values are recognised**

Comprehend the regulatory framework under which we operate and the importance of meeting our obligations. You understand the role that water plays in the sustainability of our region and actively seek out opportunities that will secure water for our future.

**Innovation, data and technology driven services**

Uphold the integrity of all GMW processes and systems by contributing to a continuous improvement lifecycle. You ensure that all decisions are informed by accurate and complete data & information.



Excellence



Honesty



Accountability



Courage



Caring