

position description



GWMWater

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*Certified to best practice standards
ISO 9001 / 14001 and AS/NZS 4801*

GROUP: *Infrastructure*
DIVISION: *Assets & Standards*
POSITION LOCATION: *Horsham*
TITLE: *Dams and Structures Engineer*
CLASSIFICATION: *Band D (Professional Services)*
POSITION NO: *4408*
NAME OF JOB HOLDER: *Vacant*

ORGANISATIONAL CONTEXT

GWMWater has a responsibility to provide, manage, operate and protect water supply and sewerage systems for our community. Serving a region with a population of approximately 72,000 people, our activities cover some 62,000 km² which is about 25% of the State of Victoria.

We provide our urban towns with a secure water supply, with most areas supplied drinking (potable) water that meets the specifications of the *Safe Drinking Water Act 2003* and the *Safe Drinking Water Regulations 2015*. In a 'normal season', this involves delivery of around 10 gigalitres of water to approximately 31,000 urban properties in 71 towns.

Our wastewater services operate mainly in our larger towns which involves recycling 100% of water for watering sporting fields, parks and gardens, vineyards and agricultural uses.

We provide domestic and stock water services to 11,000 rural customers. A bulk water supply is also available to our rural customers, typically for intensive agricultural activities such as poultry farms, piggeries and commercial feedlots.

We are responsible for water resource management in our region, which includes surface water, groundwater, river diversions, and the support of key regional catchment and environmental management strategies.

Our groundwater bores supply 15 towns in the south east, south west and west of the supply area. We issue diversion licences from unregulated waterways, licences for farm dams and groundwater extraction licences through delegation from the Minister of Water.

We are also the nominated Resource Manager and Storage Manager on behalf of the Minister for Water and operate and control eight bulk water supply reservoirs which are an integral part of our water supply system. These reservoirs also provide opportunities for recreational activities such as camping, water skiing, swimming and boating.

POSITION SUMMARY

The position has primary stewardship for the whole of life management of headworks assets, dams and water storages, to meet service obligations and statutory requirements for dam safety and asset management.

All staff are required to comply with the quality, safety and environmental standards set out in the Corporate Management System.

Staff must ensure that all data is kept secure as per the Information and Communications Technologies (ICT) Security Policy.

This position:

Reports to:	Manager Assets & Standards
Supervises:	Dam Safety Systems Officer
Internal relationships:	<ul style="list-style-type: none">• All Executive Managers• Reservoir Keepers• All functional business groups
External relationships:	<ul style="list-style-type: none">• Local, Regional and Government agencies• Other utilities and service providers• Customers and general public• Consultants and contractors

KEY RESPONSIBILITIES AND DUTIES

1. Lead the implementation, management and continual improvement of dam safety and life-cycle management of GWMWater headworks assets and storages (specifically reservoirs, weirs, channels, channel structures, water storages and wastewater storages).
2. Lead and undertake the necessary planning to ensure compliance with Section 5.3 (Dam Safety) of the GWMWater Statement of Obligations, including development of appropriate surveillance, monitoring, review, assessment and maintenance programs which identify emergent maintenance, renewal and upgrade needs.
3. Ensure that effective dam safety surveillance is undertaken for all headworks reservoirs and storages.
4. Identify and prioritise actions to address headworks asset risk and dam safety needs and identify associated budgets for inclusion in capital and recurrent works programs.
5. Undertake investigations and prepare planning documents for renewal and upgrade of headworks assets and storages.
6. Engage and manage consultancies and contract services in accordance with allocated budgets for the surveillance, monitoring and management of GWMWater's headworks reservoirs and storages.
7. Prepare and submit the Annual Dam Safety Report.
8. Lead the review and update of operation & maintenance manuals, dam safety emergency plans to support operation of each headworks system, water storage, and relevant wastewater and reclaimed water storage, under a broad range of operating conditions, including flood operation and emergency scenarios.
9. Ensure that technical standards are developed and documented for each headworks system and urban storage.
10. Provide advice for risk-based decommissioning of redundant storage assets.
11. Provide authoritative advice to Service Delivery regarding maintenance and surveillance programs required in relation to dam safety, and associated facilities management and operation at all GWMWater headworks reservoirs.
12. Provide expert advice, review and supervision on a wide range of operational, maintenance and construction aspects related to the management and care of dams and related structures and projects.

13. Implement agreed programs for public safety access and recreational use facilities associated with reservoirs and marginal lands and liaise with the public and other authorities as necessary.
14. Initiate and manage future reviews of public use or changed management arrangements at reservoirs.
15. Identify and assist in the solution to any communication and workflow problems observed by suggesting improvements and enhancements to existing systems and processes, in accordance with GWMWater procedures.
16. Undertake other duties and functions as directed, commensurate with current level of skills and classification.

KEY SELECTION CRITERIA

Qualifications, Knowledge, Experience and Skills (3,9, 16, 17, 20)

Essential

- An approved Civil Engineering or other appropriate engineering degree and demonstrated relevant experience
- Communication skills.
- Demonstrated ability to lead and effectively contribute to project teams.
- Demonstrated project management skills in earthworks and/or dam construction
- Demonstrated ability to formulate policies, programs and strategies
- Possess high level presentation skills
- Possess excellent problem solving skills
- Possess a strong background achieving service excellence
- Demonstrated ability to perform the duties and functions specified; and

Desirable:

- Significant experience in major earthworks or dam construction
- Post graduate qualifications in engineering
- Demonstrated ability to manage change and a proven track record in achieving objectives
- Demonstrated experience in the implementation of new technologies
- Demonstrated ability to set technical standards
- Experience in land-use planning and strategy development

Attributes (Personal Qualities) (PQ 1, 11, 14, 17)

- Well developed interpersonal skills
- Proven ability to communicate effectively with other staff, external organisations and customers
- Ability to work effectively within a diverse team
- Ability to set and meet targets
- Possess a high level conceptual and analytical ability
- Initiative and accountability
- Resilience

Certificates, Licences and Registrations

- Current eligible motor vehicle licence to drive in Australia
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AUTHORISATION and APPROVAL

PREPARED ON: **July 2022**
PREPARED BY: **Chris Wright**
REVIEWED BY: **Nalaka Vitharana**
APPROVED BY: **Craig Turvey**