

# Role Description

(Non-Manager)



**Our purpose – Helping South Australians Conserve, Sustain and Prosper.**

**Role Title:** Electronics Technical Officer

**Division:** Water and River Murray

**Classification Level:** TGO1

**Branch/Unit:** Water Science and Monitoring

**CHRIS Position Number:** M21554

**Reports to (Title):** Technical Leader, Technology Support

**About the Agency –** [Department for Environment and Water](#)

## About the Role

The Electronics Technical Officer is responsible, under limited supervision, for assisting the Water Resource Monitoring Unit (WRMU) in the collection of valid surface water and/or ground water data and entering data into appropriate information systems. The incumbent is also responsible for supporting the WRMU by conducting a range of technical duties associated with installing and maintaining technical equipment and undertaking laboratory work such as constructing and maintaining basic electronic circuits and monitoring platforms comprising of a variety of electronic instruments and associated modules. The incumbent may also be required to lead small projects relating to the work of the unit.

## Key Role Outcomes

- The retrieval and appropriate storage of valid surface water and/or ground water data.
- The calibration, installation and maintenance of specialist electronic equipment, in accordance with relevant department and industry practices and procedures.
- The maintenance and storage of accurate database information.
- Water resource electronics and asset maintenance projects are delivered on time.

## Essential Criteria (including qualifications)

**[Must be addressed by candidates in written application letter (max 3 pages) in addition to CV unless advertisement advises otherwise]**

- An appropriate Technical Qualification relevant to the position in Electronics, Natural Resource Management or a related field.
- Knowledge of working with computers and a range of software related to monitoring and data logging equipment or similar.
- Demonstrated understanding of general electronics techniques and practices.

## Desirable Criteria

- Experience in programming of basic embedded systems is desirable.
- Experience in undertaking field installation, maintenance, and data collection activities.
- Knowledge of and experience in safe work practices for varied hydrological and electronic related duties including working in remote and isolated areas.

## Key Relationships/Interactions

- Liaises with a variety of technical and professional staff within the Water Resource Monitoring and Water Science Units
- Liaises with external clients as directed or within the designated project scope
- Maintains close working relationships with other officers of the Department and external stakeholders

## Special Conditions

- May be required to participate in responses to state emergencies or associated duties
- A current class “C” driver’s licence and willingness and ability to safely operate a 4wd is essential.
- Inter and intrastate and remote area travel is required, including travel in light aircraft.
- You must be an Australian citizen, permanent resident, or provide evidence that you hold a valid working visa that allows you to work in Australia without restrictions.
- Prior to being employed, the successful candidate will be required to provide a valid Nationally Coordinated Criminal History Check (NCCHC), which is required to be renewed every three years. DEW will cover the cost of renewal.

Core Competencies	Elements	Behavioural Indicators
<b>Shapes Strategic Thinking and changes</b>	<ul style="list-style-type: none"> <li>• Thinking and acting strategically</li> </ul>	<ul style="list-style-type: none"> <li>• Knows the reasoning behind key policies, practice and procedures.</li> <li>• Knows how own work contributes to the goals of the agency</li> </ul>
<b>Achieves Results</b>	<ul style="list-style-type: none"> <li>• Delivering effective outcomes</li> </ul>	<ul style="list-style-type: none"> <li>• Can understand and articulate clear and realistic goals/expected outcomes for their role.</li> <li>• Works with Line Manager to solve problems and overcome challenges</li> </ul>
<b>Drives Business Excellence</b>	<ul style="list-style-type: none"> <li>• Facilitating quality and continuous improvement</li> </ul>	<ul style="list-style-type: none"> <li>• Identifies opportunities for doing work better and more quickly.</li> <li>• Can apply changes effectively within their own role.</li> </ul>
<b>Forges Relationships and Engages Others</b>	<ul style="list-style-type: none"> <li>• Establishing and Maintaining Networks</li> </ul>	<ul style="list-style-type: none"> <li>• Approaches other colleagues across the Agency to seek advice or information.</li> <li>• Readily responds to requests for information and follows through on undertakings</li> </ul>
<b>Exemplifies Personal Drive and Professionalism</b>	<ul style="list-style-type: none"> <li>• Displaying flexibility and resilience</li> </ul>	<ul style="list-style-type: none"> <li>• Communicates setbacks to manager and continues with effectively progressing other priorities.</li> </ul>

		<ul style="list-style-type: none"> <li>Embraces new learning that may be required to adapt successfully to changes in the job role.</li> </ul>
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## Work Health and Safety

### Follow workplace safety procedures

- Accepts responsibility for own and other’s safety.
- Identifies and reports hazards and incidents.
- Understands and applies safe work practices.

## Corporate Responsibilities

- Demonstrate appropriate and professional workplace behaviours that are in line with the Code of Ethics and the South Australian Public Sector Values.
- Maintain a commitment to Equal Employment Opportunity, Diversity, Ethical Conduct, and record keeping within legislative requirements, according to the principles of the Public Sector Act 2009.
- Exhibit and promote the behaviours in line with The way we work outlined in the DEW Corporate Plan.
- Actively participate in the Department’s Performance Review and Development Program.
- Demonstrate appropriate and professional workplace behaviours that align closely with the White Ribbon message.
- Champion positive behaviours and conduct during all interactions with children and young people and act in accordance with the Child Safe Environment Policy and Procedure at all times.

Date Delegate approved original classification:	11/07/2018	Original Class method:	Full / Comparison
Updated:	RD Update only	Date this version approved by delegate:	05/11/2025