

# Validation Program Approval Application

Water Supply (Safety and Reliability) Act 2008, section 237



Queensland  
Government

**Privacy Disclaimer:** Collection of information provided in this approved form and any attachments is authorised under the *Water Supply (Safety and Reliability) Act 2008* and is being used for the purpose of applying to the Queensland Water Supply Regulator for approval of a validation program if recycled water is proposed to be supplied under the recycled water scheme to augment a supply of drinking water. The Department of Energy and Water Supply will endeavour to maintain any confidentiality of information relating to your form. However, consideration of your form may involve consultation and if so, details of your form may be disclosed to third parties. This information will not otherwise be disclosed outside of the department unless required or authorised by law (for example as under the *Right to Information Act 2009*).

**Note:** This is an approved form under the *Water Supply (Safety and Reliability) Act 2008*, to be used by the relevant entity for a recycled water scheme to apply to the regulator for approval of a validation program if recycled water is proposed to be supplied under the scheme to augment a supply of drinking water.

Before submitting this approved form, please be fully aware of your rights and obligations under the *Water Supply (Safety and Reliability) Act 2008*.

## 1. Relevant Entity Details (Please tick appropriate box/es)

Scheme Manager  Recycled Water Provider

Details of the relevant entity are to be recorded here.

Name of organisation / individual

ABN

ACN

Street address

Postcode

Postal address (if different from above)

Postcode

Telephone number

Fax number

Mobile number

Email address

Principal Contact

Family name

Given name(s)

Position

Telephone number

Fax number

Mobile number

Email address

## 2. Scheme Details

Details of the recycled water scheme are to be recorded here.

Name of recycled water scheme

Scheme reference number

Street address

Postcode

Source water

2. Scheme Details continued ...

Description of infrastructure


Water quality


Use


(If space provided is insufficient, additional information may be attached)

### 3. Checklist

Does the validation program cover each of the below?

**Note:** This checklist is provided for assistance only and is not definitive of what an application should include. It is suggested that the *Recycled water management plan and validation guidelines* be referred to for assistance.

#### A. COMPLETED and DOCUMENTED Pre-commissioning validation process

A report or feasibility study conducted during the design stage that determines the treatment processes used to meet the desired water quality. These processes may include:

- ▶ Baseline data gathering of the source water
- ▶ Risk assessment and
- ▶ Plant design

No  Yes

#### B. PLAN for proposed commissioning validation

This process is used to confirm that the treatment barriers have adequately removed and can control hazards to the expected level, when used in conjunction with the other components in the treatment process.

The parameters chosen for validation at each individual barrier should include target parameters that are meant to be removed and/or inactivated by that specific barrier. It should include real hazards (such as pathogens or specific chemicals) as well as indicators or surrogates. Frequency of monitoring should be sufficient to prove effectiveness of the process against target parameters in a statistically valid manner.

The elements listed below should be validated according to the risks specific to the scheme and the water quality criteria as determined via the *Public Health Regulation 2005* and/or the *Water quality guidelines for recycled water schemes*, however this is not a comprehensive list and other aspects of the system may also need to be validated. These may include:

- ▶ All control measures should be validated prior to commencement of supply and this information should be referenced back to the critical limits, i.e. validation should prove that performance below critical limits can be consistently achieved. A critical limit is a prescribed tolerance that should be met to ensure that critical control points effectively control a potential hazard.
- ▶ Surrogates and indicators used for monitoring should be validated to prove that they accurately predict the level of hazard(s) they represent.
- ▶ All Critical Control Points (CCPs) should be validated to prove their effectiveness against the hazard they control. A CCP is defined as a point, step or procedure at which control can be applied and which is essential to prevent or eliminate a hazard or reduce it to an acceptable level.
- ▶ Critical limits must be validated to prove that operating within critical limits ensures that recycled water quality criteria are met at the verification step.
- ▶ Evidence demonstrating that the environmental buffer is an effective barrier.

No  Yes

**C. PLAN for proposed commissioning verification**

This documented process will confirm that the final water quality consistently complies with the required water quality criteria.

Sampling frequency during the commissioning verification period should be sufficient to give statistical confidence that the final water quality consistently achieves the required water quality criteria.

Demonstration of a minimum 13 weeks of twice weekly testing (the relevant entity may choose at their own discretion to go beyond this).

**Note:** The regulator has the discretion to alter the duration of the verification period on a case by case basis.

No  Yes

**Note:** The results of the validation program must be submitted with the application for approval of recycled water management plan. The outcomes of the validation program must also be reflected within the recycled water management plan.

**4. Relevant Documents**

List all relevant documents supporting your application and list each below.

	Document Name - Example (Scheme Name) Validation Program
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	

*(If space provided is insufficient, additional information may be attached)*

**5. Infrastructure Owner(s) for the Recycled Water Scheme**

The purpose of this table is to identify the owner(s) of the infrastructure for the recycled water scheme. An owner of infrastructure for the production and/or supply of recycled water is a recycled water provider.

Please list below the owner(s) of all infrastructure for the production and supply of recycled water in this application.

Name of organisation / individual	Infrastructure

*(If space provided is insufficient, additional information may be attached)*

**6. Declaration**

I/we declare and warrant that I/we have all the necessary and appropriate authority on behalf of the relevant entity of the scheme to declare that the information in this approved form, including any attachments or supporting information provided, is true and accurate to the best of my/our knowledge.

Family name	Given name(s)	
<input type="text"/>	<input type="text"/>	
Position	Signature	Date (dd/mm/yyyy)
<input type="text"/>	<input type="text"/>	<input type="text" value="/ /"/>
Family name	Given name(s)	
<input type="text"/>	<input type="text"/>	
Position	Signature	Date (dd/mm/yyyy)
<input type="text"/>	<input type="text"/>	<input type="text" value="/ /"/>

**7. Submission**

Complete and sign this form, attaching a printed and electronic copy (on CD) of all relevant materials and **send to:**

Queensland Water Supply Regulator  
Department of Energy and Water Supply  
PO Box 15456  
City East Qld 4002

**Note:** If you are unable to provide an electronic copy, please send a minimum of two (2) printed copies of all relevant materials.

<b>Office use only</b> Customer Service Centre <input type="text"/>
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Date Received Stamp
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Please complete this portion

Relevant Entity <input type="text"/>
Address <input type="text"/>
Postcode <input type="text"/>

Date Received Stamp
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