

Conditions of connection for dual pipe areas within Barwon Water

These Conditions of Connection (Conditions) are imposed under section 145 of the Water Act 1989 and apply to the current owner, future owners and all occupiers of, the property. Any failure to comply with these conditions may result in:

- a refusal of Barwon Water to allow the connection; or
- the disconnection of any existing connection, to the recycled water supply.

1. General conditions

- All recycled water plumbing work must comply with Australian Standard (AS) AS3500-2003 and any other requirements issued by the Victorian Building Authority (VBA) and Barwon Water. All plumbing work within the property is to be carried out by a licensed or registered plumber (Plumber).
- Barwon Water will arrange installation of the drinking water assembly and meter and the recycled water assembly and meter. The inlet and outlet threads on the recycled water meters are different. This ensures they are not interchangeable with drinking water meters. As part of these installations, taps will be installed for both drinking water and recycled water.
- The property owner and occupier must allow Barwon Water or its authorised representative(s) to access the property for the purpose of any inspection or otherwise in relation to the recycled water works.
- The purpose of inspection by Barwon Water is to assess the recycled water works on a risk based approach having regard to the *Dual Pipe Water Health and Environmental Risk Management, EPA Publication 1015.1* (as amended or replaced from time to time), in particular to guard against cross connection. Barwon Water does not inspect for the purpose of assessing compliance with any plumbing standards or other regulation or guideline (Plumbing Standards), these responsibilities lie with the owner and the owner's Plumber and regulated by the VBA. Barwon Water may, but is not obliged to, report to the VBA any apparent breach of any such Plumbing Standards.
- Barwon Water inspections are in addition to the VBA's requirements for below ground drainage inspections.
- When installed by Barwon Water's contractor, the recycled water meter will be fitted with a locking pin until after the Stage 3 inspection by Barwon Water is satisfactorily complete. Only Barwon Water or its authorized agent is authorised to remove the locking pin.

2. Technical requirements

- The property must be connected to recycled water for the purposes of toilet flushing and garden watering.
- All pipe work supplying recycled water must be solid purple, in accordance with the National Plumbing Approval Scheme, and must clearly display the approved mark.
- The minimum lateral spacing between below ground recycled water pipes and drinking water pipes is 300mm. The minimum spacing to other services remains as per AS 3500.
- The minimum spacing between above ground recycled and drinking water pipes is 100mm. Cross overs between drinking water pipes and recycled water pipes needs to be kept to a minimum. The minimum spacing to other services remains as per AS 3500.
- Purple identification tape stating "RECYCLED OR RECLAIMED - WATER – DO NOT DRINK" must be placed directly over the top of buried recycled water pipes, and fastened to the pipe at not more than three metre intervals.

- External recycled water taps must:
 - be purple in colour
 - have removable handles so they are not used incorrectly
 - have a non-standard thread (normally 5/8 inch BSP inlet)
 - have a prohibition sign (complying with AS1319)
- All external tap outlets on the drinking water services must be fitted with hose connection vacuum breakers.

3. Notification requirements

In respect of the recycled water supply works inspections, your Plumber must give notice (Notice) to Barwon Water at:

- Stage 1: completion of pipework between the water meter and the building (before back filling);
 - Stage 2: completion of the roughing-in of the pipework inside the building (before wall cladding is installed);
 - Stage 3: at works commissioning stage (before the building is occupied and lodgment of any completion certificate.
- The steps that follow from a Plumber's Notice are:
 - for all Stage 3 Notices, Barwon Water or its authorized representative will inspect the works;
 - for all properties or works, Barwon Water or its authorized representative will indicate whether it will conduct Stage 1 or Stage 2 inspections;
 - in cases where Barwon Water is inspecting the works for a particular stage the works must not proceed any further until the inspection has been satisfactorily completed.

Notification of recycled water works must be completed with Barwon Water in accordance with information contained in the Class A recycled water information for plumbers and builders fact sheet located on the Barwon Water website.