

POLICY NAME: Dual Water Supply Plumbing Policy
POLICY REF:
MEETING ADOPTED: Resolution No.
POLICY HISTORY:



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OBJECTIVE

The purpose of this policy is to provide information about the requirements for plumbing in the designated dual water supply areas.

BACKGROUND

Ballina Shire Council is introducing a dual water supply into Ballina Shire's new residential commercial and industrial developments as part of Ballina's Urban Water Management Strategy. The dual water supply system is being installed to serve all lots in new developments and every lot must connect to both supplies.

To safeguard public health it is very important that water supply plumbing is carried out in the correct manner to prevent cross connection of the two separate water supplies. This includes the use of fittings, lilac coloured pipework and permanent markings so that occupants don't inadvertently use the wrong water or future plumbers inadvertently connect to the wrong system.

All installations will be subject to Council inspection at any stage to confirm that the plumbing has been executed and is being maintained in accordance with the policy.

This document supersedes the Ballina Heights Dual Water Supply Plumbing Guidelines and is designed to provide the information necessary to correctly plumb houses located in designated dual water supply areas.

DEFINITIONS

Drinking Water is otherwise known as 'potable water' which is approved by use for humans for drinking, food preparation and activities such as swimming and washing. Some people call it 'town water'. It is water that is generally sourced from drinking water catchments such as Rocky Creek Dam, before being filtered, disinfected and distributed.

Dual Water Supply - Each property in the dual water supply system has a drinking water supply and a recycled water supply. The different water supplies are to be delivered through two separate pipe systems and each supply is separately metered. (See Appendix A – Dual Water Supply Mapping)

Grey Water - is wastewater generated from wash hand basins, showers and baths, which can be recycled on-site for uses such as toilet-flushing. It is usually treated onsite before re-use and the level of onsite treatment is determined by the source of the water and the level of nutrients within it.

Recycled Water - is otherwise known as 'reclaimed water' and is approved for uses such as garden water, toilet flushing and clothes washing in cold water. It is generally sourced from water that would otherwise be discharged to the environment. Instead of being wasted, this water is filtered, disinfected and distributed. Ballina Shire Council's Recycled Water Scheme is supplied with water recycled from wastewater.

SCOPE OF POLICY

This policy applies to (add or delete where necessary):

- Council employees
- Councillors
- Community members
- Committees of Council
- Consultants/Contractors
- Developers/Builders
- Homeowners/Tenants
- Legal Profession

RELATED DOCUMENTATION

Related documents, policies and legislation:

- Section 149(2) Certificate (Environmental Planning and Assessment Act 1979)
- Section 68 (General Building Construction DA Consent / section 68 Local Government Act)
- 88E (Land Subdivision DA consent condition and section 88E condition pursuant to the Conveyancing Act 1919)
- Plumber's Information Pack (Appendix C)
- Notice of Work (For Plumbing and Drainage work within the Ballina Shire Council Area)
- NSW Public Health Act 2010.
- Environmental Planning and Assessment Act 1979 (NSW)
- Local Government Act 1993 (NSW)
- Local Government (General) Regulation 2005
- Protection of the Environment Operations Act 1997 (NSW)
- (Draft) NSW Public Health Regulation 2011.
- NHMRC/NRMMC Australian Drinking Water Guidelines 2004.
- NSW Code of Practice: Plumbing & Drainage, 3rd Edition 2006
- Australian & New Zealand Standard AS/NZS 3500.1 :2003
- Australian Guidelines for Water Recycling and Managing Health and Environmental Risk (Phase 1) (2006)
- Australian & New Zealand Standard AS/NZS 3500.1 :2003

POLICY

1. The Dual Water Supply System

1.1. *Background*

Both drinking water and recycled water will be delivered to all dual water supply properties within Ballina Shire via separate water mains. This means that all houses within the dual water supply area will have two independent water supplies.

To ensure that these two plumbing systems remain isolated from one another and to minimise the potential for improper use of recycled water there are a number of requirements, in addition to the standard plumbing

arrangements, for domestic water supply installation that must be adhered to.

All recycled water pipes, fittings and fixtures are identified by purple coloured markings and warning signage; 'DO NOT DRINK'.

1.2. How Can Recycled Water be Used?

Recycled water can only be used domestically for:

- Toilet flushing
- Cold water clothes washing tap
- Garden irrigation
- Ornamental ponds
- Washing cars, pathways, walls

Recycled water cannot domestically be used for:

- Drinking
- Cooking or other kitchen purposes
- Baths, showers, hand basins or personal washing
- Swimming Pools
- Water contact recreation (for example, playing under a sprinkler)
- Rainwater tanks

Please note: All commercial uses must be outlined through individual end-user agreements (binding legal document between user and Ballina Shire Council).

2. **Connecting Recycled Water During Construction**

Before the commencement of any plumbing work on dual reticulated premises, builders, property owners or their nominated agents must submit a Section 68 Application under the Local Government Act with Ballina Council with the relevant council fees. Builders, property owners or their nominated agents must also submit the NSW Office of Fair Trading's 'Notice of Works' form to Ballina Council (Appendix B)

Every water service in designated dual reticulated areas must be connected to both supplies and must have one outside drinking water tap and at least one recycled water tap. This includes services for residential flats under owner's corporation schemes where an additional external drinking water tap and recycled water tap(s) must be positioned on body corporate land.

2.1 Applying for a Water Service

Prior to carrying out any water supply work on the property, a water service application must be made by the builders, property owners or their nominated agents to Ballina Council. At the time of the application the Ballina Council's Plumbing Policy for dual water supply must be provided to the applicant. The policy must be provided to the plumber to ensure that the plumbing is done in accordance with the policy and so that all legal requirements are met. To assist a Plumber's information pack has been included (Appendix C).

A water service application for the building development will result in both the drinking and recycled water meters being installed at the same time but the water service connection fees will be the same as for non-dual reticulated properties. That is, for dual reticulated residential properties there will only be one drinking water connection fee. The recycled water meter connection will be free of charge.

2.2 Property Service Connections and Water Meters

Upon receipt of a water service application Ballina Shire Council will install both the drinking water meter and the recycled water meter within the property. The meters will be positioned together in one corner of the property that fronts the street. This position is fixed and further fees will apply if an alternative location is required. Please refer to Ballina Shire Council's Water Metering Policy, 2012 and Ballina Shire Council's Backflow Prevention Policy 2012).

2.2.1 Drinking Water Meter

The green coloured drinking water meter will be installed in a meter frame which will incorporate an appropriate backflow prevention device. The meter will be installed above ground with a capped end on the discharge side. This meter will be located closest to the side property boundary.

2.2.2 Recycled Water Meter

The purple coloured recycled water meter will be installed beside the drinking water meter with at least 100mm separation distance between the two meters.

Like the drinking water meter, the recycled water meter will be installed above ground with a capped end.

The recycled water meter coupling threads are different to those on the drinking water meter to prevent interchange of the meters.

2.3 Household Plumbing

When carrying out plumbing in the dual water supply area, it should be remembered that the intention of the dual water supply is to conserve our drinking water resources by maximising the use of recycled water.

2.3.1 Drinking Water Supply Plumbing

The installation of drinking water services on dual reticulated residential properties is to be executed by, or supervised by, a license plumber in a usual manner in accordance with the NSW Plumbing and Drainage Act (2011), Plumbing Code of Australia, Australian/New Zealand Standards (AS/NZ) 3500. Including the following:

- Drinking water must not be connected to toilets and cold water washing machine tap

- One and only one drinking water outdoor tap must be provided (complete with hose connection vacuum breaker)
- Drinking water piping must not be installed within 100mm above ground or 300mm below ground of any parallel recycled water plumbing
- No cross-connections between drinking and recycled water supply systems are permitted at any point in the system
- If a rain water tank is installed on the property no cross-connection between the tank supply and drinking water supply is permitted. (Please see indicative single property service installation (Appendix D))

2.3.2 Recycled Water Supply Plumbing

The installation of recycled water services on dual reticulated residential properties is to be executed by, or supervised by, a licensed plumber in the usual manner in accordance with the NSW Plumbing and Drainage Act (2011), Plumbing Code of Australian/New Zealand Standard (AS/NZ) 3500. Including the following:

- Fixtures and fittings above and below ground must be clearly and permanently marked and labelled with Recycled Water – DO NOT DRINK in accordance to the Australian/New Zealand Standards (AS/NZ 3500).
- Any underground recycled water pipeline must not be installed within 300mm of a parallel drinking water supply pipeline. The pipes may be laid in the same trench provided the 300mm separation is maintained. This separation can be reduced to 100mm when the pipes are located above ground.
- Above ground recycled water hose taps must be lilac in colour, have approved fittings with left handed threads on the outlets and have removable handles as per AS/NZ 3500.
- Dual reticulated properties must have at least one external recycled water tap but can have as many more than one as desired.
- All toilets and cold water washing machine taps must be connected to the recycled water supply line.

2.3.3 Grey Water Plumbing

If grey water is captured on a dual reticulated property it can only be re-used for outdoor purposes. No cross connections between grey water supply and recycled water supply are allowed.

2.3.4 Rainwater Tank Plumbing

If a rain water tank is installed on the property the rainwater supply shall be independent and have no interconnection or top up device from the drinking water or recycled water supply. Rainwater can only be used for outdoor purposes and tanks may only have one outdoor tap.

2.4 Approved Plumbing Supplies

All recycled water fittings and fixtures used must display the relevant compliance mark from the Standards Australia Product Approval Process as shown below. Recycled water fixtures and fittings must be labelled with warning signs as outlined in Appendix E.



Standards Mark
compliance



Type Tested
compliance



WaterMark
compliance

2.5 Inspections

New development inspections will be carried out to ensure that proper plumbing standards are maintained. In dual water supply areas these inspections incorporate special requirements that apply to those areas. In addition, ongoing inspections will occur in dual water supply areas in accordance with Ballina Shire Council's Dual Water Supply Policy to ensure that the two water supplies are used for their intended and approved uses.

2.5.1 During Plumbing Work

Five (5) separate inspections must be completed by Ballina Shire Council's Building Services after each of the stages of work set out below have been completed:

1. Water meter to dwelling
2. Internal underfloor plumbing and drainage prior to cladding
3. Internal rough-in water supply network
4. External plumbing and drainage prior to backfilling
5. Final commissioning and testing

All inspections must be carried out by an authorised Ballina Shire Council representative and cannot be conducted by private accredited certifiers.

The inspections are carried out to ensure that usual proper plumbing standards are maintained and that the special dual water supply requirements are being adhered to.

Plumbers are required to contact Ballina Shire Council's Building Services on (02) 6686 1415 at least 24 hours ahead of the required inspections.

2.5.2 After the Plumbing Work is completed

The plumber who has carried out the work on the property is to complete the NSW Office of Fair Trading's Certificate of Compliance to Ballina Shire Council before occupation of any premises to which this policy applies (Appendix F).

Ongoing cross connection inspections will be conducted by Ballina Council at least once every five years on every dual reticulated residence. The inspections will be carried out systematically by Council at no cost to the property owner (unless a cross connection is detected.)

If a cross connection is identified during the mandatory inspection, the owner will be responsible for having the problem rectified by a licensed plumber and also for paying Council's costs in inspecting and retesting the plumbing during and following remedial work.

In addition, repairs / replacements required as a result of minor non conformances not related to a cross connection are the responsibility of the owner to rectify, for example, non compliant and or poorly identified signage, fittings and markers.

Home owners are encouraged to undertake cross connection checks using the seven step cross connection check for dual water supply properties (Appendix G).

It is the responsibility of the owner and resident to inform all visitors of the correct use of recycled water.

2.5.3 Inspections at change of property ownership

In the event of sale of a dual reticulated property, a separate 'pre-sale' cross connection audit must be done by Ballina Council's Building Services section. Future home owners are informed of this requirement by the planning certificate issued by Council pursuant to Section 149(2) of the Environment Planning and Assessment Act 1979 which is required by law to be provided to purchasers as part of a contract for sale. Owners or an owner's agent must apply to Council for this certificate.

2.6 Health and Safety

All work conducted on a recycled water system must be carried out with caution. It is important that the recycled water is only used for the purposes listed in section 3.2 of this policy. During construction, all employees, contractors and suppliers are to ensure that recycled water is not used for drinking or personal hygiene purposes.

Recycled water looks and smells the same as drinking water so care must be taken to prevent accidental use for the incorrect purpose.

11.1 Policy (Draft) - Dual Water Supply Plumbing.DOC

Ballina Shire Council

<DRAFT Dual Water Supply Plumbing Policy>

REVIEW

The Dual Water Supply Plumbing Policy is to be reviewed annually.

APPENDIX A – DUAL WATER SUPPLY MAPPING



APPENDIX B – NSW FAIR TRADING – NOTICE OF WORK FORM

	Regulator's Copy
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NOTICE OF WORK
for Plumbing and Drainage Work
within the Ballina Shire Council Area
Please supply requested information correct and neatly

PROPERTY & OWNER DETAILS

House No.	Street	Suburb	Postcode
Lot No.	DP No.	PDP or SP	Nearest Cross Street
		Municipality/Shire	
Owner's Name		Full Address	

LICENSEE'S DETAILS

Full Name	Address for Notices		
Phone No.	Qualified Supervisor No.	Expiry Date	
		DD	MM YYYY
	Licence No.	Expiry Date	
		DD	MM YYYY

WORK OF WATER SUPPLY please tick appropriate boxes

Give full Description of Work carried out

Install Water Supply

Install Irrigation system

On-site Alternative Water Services

Install/Commission/Maintenance of Thermostatic Mixing Valve

Connection to water supply

Install, alter, disconnect or remove a backflow prevention device

Recycled Water Services

Other

PLUMBING WORK TO COMPLY WITH AS/NZS3500 ALTERNATIVE SOLUTION COMBINED

BALLINA SHIRE COUNCIL DUAL WATER SUPPLY POLICY

WORK OF SANITARY PLUMBING/DRAINAGE AND SUPPLY DRAINAGE PLAN

Give full description of work carried out

Carry out work of sanitary plumbing/drainage

Connection to Sewer

Sewer Disconnection

Carry out Trade Waste Drainage

Other

DRAINAGE WORK TO COMPLY WITH AS/NZS3500 ALTERNATIVE SOLUTION COMBINED

SEWERAGE/WATER SERVICE INSPECTION FEE

Date Fee Paid	Date of Commencement of Work	Estimated Date of Completion
DD MM YYYY	DD MM YYYY	DD MM YYYY
Amount	Reference No.	Contractors Signature
\$		

1. This is your notification that you, as the Responsible Person, intend to carry out the work described on this 'NOTICE OF WORK', in accordance with provisions of the Regulators Act, Regulations, Codes and Standards.
2. This NOTICE TO WORK must be produced on the request of any person duly authorised by the REGULATOR. The corresponding numbered CERTIFICATE OF COMPLIANCE must be submitted by you to the Local Regulator on the completion of a FINAL INSPECTION on the above work

APPENDIX C – PLUMBER’S INFORMATION PACK

Ballina Shire Council Dual Water Supply Plumbing Policy

Plumber’s Information Pack

THIS INFORMATION MUST BE HANDED TO THE PLUMBER

The following information must be read prior to commencement of plumbing installations in Ballina Shire Council Dual Water Supply Areas.

1. Only licensed plumbers may carry out or supervise installations and repairs of dual water supply services.
2. Water service applications are made to Ballina Shire Council in the standard manner.
3. Water service fees for the dual water supply area are the same as for the rest of Ballina Shire.
4. Ballina Shire Council will be responsible for installation of water meters for both drinking water and recycled water. Both meters will be installed at the same time.
5. Recycled and drinking water service installations must be carried out in accordance with the *Ballina Shire Council Dual Water Supply Plumbing Policy*. Plumbers should familiarise themselves with this Policy. The requirements are summarised in the attached *Plumber’s Quick Checklist*.
6. Plumbers must ensure that recycled water is not used for drinking or personal hygiene purposes.
7. The attached *Single Property Water Service Installation* diagram (see Appendix D) gives a sample plumbing layout. Plumbers should give particular attention to the location of the single outdoor drinking water tap taking account of outdoor uses that recycled water is not approved for.
8. Inspections by a Council Inspector are required for internal plumbing after each of the following stages:
 - 8.1 - Water meter to dwelling
 - 8.2 - Internal underfloor plumbing and drainage prior to cladding
 - 8.3 - Internal rough-in water supply network
 - 8.4 – External plumbing and draining prior to backfilling
 - 8.5 – Final commissioning and testing

The plumber must complete the *Fair Trading, Compliance Certificate (Appendix F)*, for *Ballina Shire Council Dual Water Supply areas* and give it to the Inspector before the Final Inspection.

9. This certificate can be found attached to the Notice of Works in the following address http://www.ballina.nsw.gov.au/cp_themes/default/page.asp?p=DOC-IQW-88-43-85

Please refer to the attached sheets prior to commencing plumbing work:

- *The Plumber’s Quick Checklist*
- *Single Property Water Service Installation Diagram*
- *Compliance Certificate for Plumbing in Areas with Dual Water Supply*

1.1

Ballina Shire Council Dual Water Supply Plumbing Policy

The information sheets are intended as a summary only. Detailed information is provided in the **Ballina Shire Council Dual Water Supply Plumbing Policy**.

The Plumbers Quick Checklist for Plumbing in Areas with Dual Water Supply**Dual water supply plumbing inspections by Council.**

The following inspection hold points **MUST** be adhered to:

- Property service pipe from the water meter to the building (underground pipes)
- Internal plumbing inspection before wall sheeting is installed (rough-in)
- Final Plumbing Inspection
(The plumber must complete the **Fair Trading, Compliance Certificate (Appendix F)**, for **Ballina Shire Council Dual Water Supply areas** and give it to the Inspector before the Final Inspection.)
- ONLY ONE** external drinking water tap on each property. This tap **MUST** be fitted with a hose connector vacuum breaker and **MUST** have a "Drinking Water" sign fixed nearby.
- Recycled water **MUST** be connected to all WC's and Washing machine cold water taps. These connections are the **ONLY** internal recycled water outlets permitted.
- Both internal and external recycled water piping **MUST** be lilac in colour.
- Underground recycled water services **MUST NOT** be installed within 300mm of any parallel drinking water service (100mm for above-ground pipes).
- Approved warning tape **MUST** be attached to all underground pipes.
- Properties **MUST** have **AT LEAST ONE** external recycled water tap.
- Recycled hose taps **MUST** have left hand threaded outlets and removable lilac coloured handles.
- Warning signs **MUST** be fixed near aboveground taps.
- Recycled Water Plumbing **MUST NOT** be cross-connected with drinking water plumbing.
- If the property has a rainwater tank **NO** connection to either to the recycled or drinking water supplies.
- Provide a test point at the water isolation valve for the dishwasher connection.

During construction, all employees, contractors and suppliers are to ensure that recycled water is not used for drinking or personal hygiene purposes.

1.1

Ballina Heights Dual Water Supply Plumbing Policy

Recycled water quality for residential use is specified by the *Australian Guidelines for Water Recycled and Managing Health and Environmental Risks (Phase 1) (2006)*. These guidelines set the minimum water quality requirements that must be met in order to safeguard the health and safety of recycled water users.

Physical Appearance

Recycled water looks and smells just like drinking water and without scientific tests, it is very difficult to tell the difference between the two.

Physical Quality

The physical properties of recycled water such as boiling point, pH and turbidity are similar to those of drinking water.

Chemical Quality

Recycled water undergoes a series of complex treatment processes to produce the final water which meets the requirements identified in the *Australian Guidelines for Water Recycled and Managing Health and Environmental Risks (Phase 1) (2006)*. A final disinfection process using chlorine is carried out in the same manner as drinking water treatment. The chlorine concentration of recycled water in residential areas is less than 0.5 mg/L.

Recycled water has a higher level of salt and nutrients than drinking water.

The levels of heavy metals and pesticides in recycled water will be lower than the requirements set by the NSW Environment Protection Authority.

Microbial Quality

The microbial quality of the water entering the distribution network meets the following requirements set by the NSW Guidelines:

- Faecal Coliforms < 1 per 100 mL
- Total Coliforms < 10 per 100 mL
- Viruses < 2 per 50 L
- Parasites < 1 per 50 L

Dual Water Supply Compliance Certificate Checklist

Instructions to the plumber:

- In signing the Compliance Certificate (Appendix F) plumbers are certifying that they have inspected the plumbing and carried out the checks as detailed below and that the plumbing complies with all aspects of the checks and Australian Standards 3500.1 and Ballina Shire Council's Recycled Water Policy.

Compliance Checklist for New Dwellings, Alterations and Additions

Testing and Commissioning Procedure

- a. The non-drinking water service shall be tested in accordance with this Section. It shall also be tested for cross-connection, prior to commissioning, as follows:
- b. Turn off the drinking water supply to the property at the meter (drinking water meter and recycled water meter will be different colours). The recycled water supply to remain on.
- c. Turn on all sink, laundry trough, bath and shower taps (both hot and cold) one by one. All taps should run dry after a short period of time.

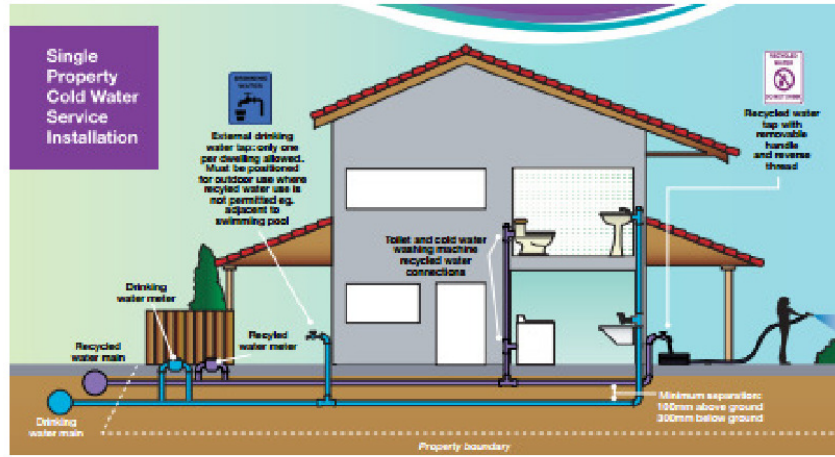
1.1

Ballina Heights Dual Water Supply Plumbing Policy

- d. After taps have run dry, flush all toilets. The toilets and washing machine cold water taps should refill/run as normal, provided they are connected to the non-drinking water service.
- e. Turn on all outside taps. The external drinking water tap should run dry. Taps that continue to run are connected to the recycled water service and should be clearly identified with appropriate warning signs.
- f. To check appliances within the home such as dishwashers and refrigerators, turn off the recycled water service and turn the drinking supply back on. Run the recycled water service dry via the outside taps or toilet flushing.
- g. Turn on the internal appliances. If the appliances do not fill, they are connected to the incorrect supply.
- h. Turn recycled water service back on at the meter. Turn on the tap connected to the recycled water service that is located furthest away from the meter.
- i. Turn the meter tap back on slowly so that all air will be purged from the pipeline while it is being recharged.
- j. If the property has a rainwater tank check that there is **NO** connection between the tank outlet to either the drinking or recycled water supplies.




1.1

APPENDIX D – SINGLE PROPERTY SERVICE INSTALLATION



APPENDIX E – MANDATORY PLUMBING AND SIGNAGE REQUIREMENTS

Mandatory Plumbing and Signage Requirements

Recycled Water Fixtures	Plumbing requirements	Signage Requirements
<p>Outdoor Recycled Water Hose Tap Outlet</p>  <p>Figure # 1</p>	<ul style="list-style-type: none"> • Must be connected to recycled water supply and all associated pipework must be lilac • Must have a removable handle. • Must be coloured, powdered coated purple (no darker than P24 Jacaranda or P12 Purple and no lighter than P23 Lilac.) • Must have a standard inlet connecting thread and non standard hose connection outlet (left-hand thread) 	<p>All recycled water outdoor taps must be clearly marked with the purple and white coloured 'warning sign' seen in figure #1.</p>
<p>Washing Machine Cold Water Outlet</p>  <p>Figure # 2</p>	<ul style="list-style-type: none"> • Must be connected to recycled water supply and all associated pipework must be lilac 	<p>All cold water washing machine taps must be clearly marked with either a 'warning ring' as seen in figure #2 or the outdoor tap sign in Figure #1.</p>
<p>Toilet Cistern Isolation Valve</p>  <p>Figure # 3</p>	<ul style="list-style-type: none"> • Must be connected to recycled water supply and all associated pipework must be lilac 	<p>All toilet cistern isolation valves must be clearly marked with the 'warning sign' as seen in figure #3.</p>
<p>Drinking Water Fixtures</p>		
<p>DISHWASHER INLET VALVE (drinking water)</p> <p>Figure # 4</p>	<p>To allow for ease of cross connection checks all dishwashers must be installed with a test point at the isolation valve OR connected externally to the 'cold water inlet isolation valve' that connects the kitchen taps.</p>	<p>No signage required for any drinking water devices</p>

APPENDIX F – NSW FAIR TRADING – CERTIFICATE OF COMPLIANCE FORM



Regulator's Copy

CERTIFICATE OF COMPLIANCE
for Plumbing and Drainage Work
within the Ballina Shire Council area
Please supply requested information correct and neatly

PROPERTY & OWNER DETAILS									
House No	Street	Suburb			Postcode				
Lot No	DP No	PDP or SP	Nearest Cross Street		Municipality/Shire				
Owner's Name			Full Address						
LICENSEE'S DETAILS									
Full Name			Address for Notices						
Phone No.		Qualified Supervisor No.			Expiry Date				
					DD	MM	YYYY		
		Licence No.			Expiry Date				
					DD	MM	YYYY		
WORK OF WATER SUPPLY please tick appropriate boxes									
Give full Description of Work carried out									
<input type="checkbox"/> Install Water Supply									
<input type="checkbox"/> Install Irrigation system									
On-site Alternative Water Services									
<input type="checkbox"/> Services									
<input type="checkbox"/> Install/Commission/Maintenance of Thermostatic Mixing Valve									
<input type="checkbox"/> Connection to water supply									
<input type="checkbox"/> Install, alter, disconnect or remove a backflow prevention device									
<input type="checkbox"/> Recycled Water Services									
<input type="checkbox"/> Other									
PLUMBING WORK TO COMPLY WITH <input type="checkbox"/> AS/NZS3500 <input type="checkbox"/> ALTERNATIVE SOLUTION <input type="checkbox"/> COMBINED									
<input type="checkbox"/> BALLINA SHIRE COUNCIL DUAL WATER SUPPLY POLICY									
WORK OF SANITARY PLUMBING/DRAINAGE AND SUPPLY DRAINAGE PLAN									
Give full description of work carried out									
<input type="checkbox"/> Carry out work of sanitary plumbing/drainage									
<input type="checkbox"/> Connection to Sewer									
<input type="checkbox"/> Sewer Disconnection									
<input type="checkbox"/> Carry out Trade Waste Drainage									
<input type="checkbox"/> Other									
DRAINAGE WORK TO COMPLY WITH <input type="checkbox"/> AS/NZS3500 <input type="checkbox"/> ALTERNATIVE SOLUTION <input type="checkbox"/> COMBINED									
SEWERAGE/WATER SERVICE INSPECTION FEE									
Date Fee Paid			Date of Commencement of Work			Estimated Date of Completion			
DD	MM	YYYY	DD	MM	YYYY	DD	MM	YYYY	
Amount			Reference No:			Contractors Signature			
\$									

1. In respect of authorised work carried out by me at the above mentioned property I certify that:
 - i. The work corresponds to the specifications in the notice of work.
 - ii. The completed work has been tested as required by the Regulator and has passed such test;
 - iii. Where required by Section 11 of the Plumbing and Drainage Act 2011, I have given written notice of any identified pre-existing defective plumbing and/or drainage work Yes N/A
 - iv. The work complies with the relevant Acts, Regulations, Codes and Standards;
 - v. The work was completed on ____/____/____ Contractors Signature _____

2. If any defect is found in the work carried out by me within a period of two (2) years or within the time specified by Regulator, from the date of the final inspection, and the Regulator for Plumbing and Drainage certifies by written notice that in their opinion the defect is due to faulty workmanship or defective materials, then I undertake to rectify such work at my sole expense, if so directed by the Regulator within the time specified by the Regulator.

APPENDIX G – SEVEN STEP CROSS CONNECTION

1. Turn off drinking water supply at the property boundary and rainwater tank pump and/or valve.
2. Turn on all internal taps. Taps should run dry.
3. Flush all toilets. Toilets should refill if connected to the recycled water supply.
4. Turn on all external taps. Any external potable water taps should run dry. Taps continuing to run are connected to recycled water supply and should be coloured purple and marked with appropriate signs
5. Turn off recycled water supply and turn on drinking water supply and rainwater tank pump and/or valve. Run recycled water supply dry via external taps or toilet flushing.
6. Turn on internal drinking water supply fixtures. Fixtures that do not fill are wrongly connected to the recycled water supply.
7. Turn on recycled water supply. Slowly turn on tap connected to recycled water supply that is located furthest from meter. This will purge all air from the pipeline while it is being recharged.

For more information on this process or to report an incorrect connection, contact Ballina Council on 6686 4444