

WATERWORKS ACT 1932 AND SEWERAGE ACT 1929

Direction to give effect to the adoption of new plumbing standards and the consolidation of other current standards and revoking of obsolete directions

Pursuant to Regulation 17 of the *Waterworks Regulations 1996* and Regulation 17 of the *Sewerage Regulations 1996*, the South Australian Water Corporation [SA Water] hereby publishes the following direction relating to the safe and proper operation of the waterworks and the pipes, fittings, appliances and apparatus connected to it and the sewerage undertaking and the pipes, fittings and equipment connected to it.

This Direction will come into effect on the date shown below.

DIRECTION

A person who –

- (a) installs, replaces, repairs, maintains or cleans pipes, fittings, appliances or apparatus for connection, or that are connected, to the waterworks within the meaning of the Waterworks Act 1932 or who connects pipes, fittings, appliances or apparatus to the waterworks; or
- (b) installs, replaces, repairs, maintains or cleans pipes, fittings or equipment for connection or that are connected to the undertaking within the meaning of the Sewerage Act 1929 or who connects or disconnects pipes, fittings or equipment to or from the undertaking,

must in addition to all other Directions currently in force, comply with –

- (c) relevant components of the plumbing standards under the Plumbing Code of Australia 2011 (PCA 2011 - Volume 3 of the National Construction Code) as follows:
 - Section A General Provisions, Parts AO, A1 and A2;
 - Section B Water Services, Parts B1, B2, B3 and B4;
 - Section C Sanitary Plumbing and Drainage Systems, Parts C1 and C2;
 - Section F On-Site Wastewater Systems Part F2;
 - Section G Materials and Products Certification and Authorisation Part G1; and
 - Appendix South Australia which is the summary of South Australian local variations which have been acknowledged at the national level.

AND

(d) must comply with:

- (d)(i) AS/NZS 3500.1:2003 Section 6, clause 6.4 [Fire services] with the additional requirements as follow:

Fire hydrant or fire sprinkler services shall comply with the following:

- (a) a single spring loaded check valve shall be provided in the pipework system within 3 metres of the property boundary and adjacent to the point of connection with the Corporation's water supply. There shall be no branches to other services prior to the spring loaded check valve; and

(b) Where there are two or more fire services interconnected within the property, the spring-loaded check valve shall be of an in-line testable type with certified resilient seated gear activated isolating valves installed either side of the check valve to permit maintenance and testing.

(d)(ii) AS/NZS 3500.4:2003 Section 5, clause 5.8(c) [Installation of water heaters – General requirements] as follows:

(c) Unvented storage water heaters -

All new or replacement unvented storage water heaters shall be fitted with new temperature/pressure relief and expansion control valves as shown in Figure 5.7.

(d)(iii) AS/NZS 3500.5:2000 Section 3, clause 3.18(c)(i) [Installation of water heaters – General requirements] as follows:

(c)(i) Unvented storage water heaters -

All new or replacement unvented storage water heaters shall be fitted with new temperature/pressure relief and expansion control valves as shown in Figure 3.2(A).

(e) **But are not required under this Direction to comply with –**

(e)(i) AS/NZS 3500:2000 Part 5:2000 Section 5 (stormwater drainage) which does not fall under the jurisdiction of SA Water; and

(e)(ii) AS/NZS 3500:2003 Part 3 (stormwater drainage) which does not fall under the jurisdiction of SA Water.

(f) **This Direction further revokes the following previously issued Directions:**

(f)(i) Direction of 12 January 2006 dealing in particular with the adoption of the Plumbing Code of Australia Section A, Parts A0, A1 and A2, Section B, Parts B1, B2, B3, and B4, Section C, Parts C1 and C2, Section F, Part F2 and Section G, Part G1; and

(f)(ii) Direction of 21 November 2005 dealing in particular with the adoption of:

- Australian/New Zealand Standard AS/NZS 3500 Parts 0, 1, 2, and 4, all of which were published jointly by Standards Australia and Standards New Zealand in 2003, and variations to that Standard contained in Amendment 1 as published in November 2005; and
- Australian Standard AS 3500 Parts 1.1, 2.1 and 4.1 published by Standards Australia in 1998, 1996 and 1997 respectively.

(f)(iii) Direction of 27 August 2003 dealing in particular with the adoption of:

- AS/NZS 3500 Part 5:2000 [excluding section 5 (stormwater) which does not fall under the jurisdiction of SA Water] issued in 2000 and amended in 2002, published jointly by Standards Australia and Standards New Zealand and;
- all amendments to Australian/New Zealand Standard AS/NZS 3500 Part 1.2 issued 2002, Part 2.2 issued 1999 and 2002 and Part 4.2 issued 2002, published jointly by Standards Australia and Standards New Zealand;

subject however to the additions and variations set out in the publication entitled "South Australian Variations and/or Additional Provisions to the National Plumbing and Drainage Code AS/NZS 3500 – 1995/2000".

Dated this 11th day of July 2011

SIGNED for and on behalf of)
the SOUTH AUSTRALIAN)
WATER CORPORATION)
by a person duly authorised)
so to do in the presence of:)



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SA Water 11/01890