
WATER

WA301*

Water Agencies (Powers) Act 1984

Metropolitan Water Supply, Sewerage and Drainage Amendment By-laws 1998

Made by the Minister under section 34(1) of the Act.

1. Citation

These by-laws may be cited as the *Metropolitan Water Supply, Sewerage and Drainage Amendment By-laws 1998*.

2. The by-laws amended

In these by-laws the by-laws amended are the *Metropolitan Water Supply, Sewerage and Drainage By-laws 1981**.

[* *Reprinted as at 19 May 1997.*
*For amendments to 20 July 1998 see 1997 Index to
Legislation of Western Australia, Table 4, p. 188 and Gazette
26 June 1998.*]

3. By-law 1.1 amended

By-law 1.1 is amended as follows:

- (a) by deleting the definitions of the expressions specified in the Table to this paragraph;

Table

“Air Gap”	“Displacement Water Heater”
“Anti-Syphonage vent” (or “back vent”)	“Expansion Joint”
“Boundary Trap” (or “Interceptor Trap”)	“Falling Level Water Heater”
“Branch Pipe”	“Fixture Discharge Pipe”
“Branch Vent”	“Fixture Unit”

“Capacity”	“Fixture Unit Rating”
“Check Valve”	“Flash”
“Cistern-Fed Water Heater”	“Float Valve”
“Combined Waste Pipe”	“Flood Level Rim”
“Combination Relief Valve”	“Floor Waste”
“Cross-Vent”	“Free-Outlet Water Heater”
“Fully Vented System — Modified”	“Fully Vented System”
“Gate Valve”	“Primary Circuit Flow and Return Pipes”
“Grade”	“Reflux Valve”
“Graded Pipe”	“Relief-Vent”
“Group-Vent”	“Sanitary Plumbing Installation”
“Heat Exchange Water Heater”	“Secondary Circuit Flow and Return Pipes”
“Horizontal Branch”	“Side-Fed Water Heater”
“Hot Discharge”	“Single-Stack System”
“Hot Water Service”	“Single-Stack System — Modified”
“Inspection Opening”	“Soffit”
“Instantaneous Water Heater”	“Soil Fixture”
“Invert”	“Soil Pipe”
“Isolating Valve”	“Stack”
“Long Bend”	“Stack Vent”
“Main Vent”	“Stop Tap”
“Mains Pressure Water Heater”	“Storage Water Heater”
“Maximum Head”	“Temperature-Relief Valve”
“Nominal Size”	“Testing Opening”
“Non-Return Valve”	“Trap”
“Offset”	“Trap Vent”
“Overflow Level”	“Unvented”
“Plug Tap”	“Unvented Water Heater”
“Pressure-Limiting Valve”	“Vacuum-Relief Valve”
“Pressure-Ratio Valve”	“Vent or Exhaust Pipe”
“Pressure-Reducing Valve”	“Vent”
“Pressure-Relief Valve”	“Vertical”
“Pressure Water Heater”	“Waste Fixture”

- (b) by inserting in the appropriate alphabetical position the following definition —

“

“**AS/NZS**”, followed by a designation consisting of a number and a year, means the Australian/New Zealand Standard having that designation that is published jointly by Standards Australia and Standards New Zealand and includes any amendment to that standard made before the commencement of the *Metropolitan Water Supply, Sewerage and Drainage Amendment By-laws 1998*;

”.

4. By-law 1.2 inserted

After by-law 1.1 the following by-law is inserted —

“

1.2 Subject to by-law 1.3, a word or expression that —

(a) is used in a provision of AS/NZS 3500.2.2:1996, AS/NZS 3500.4.2:1997 or AS/NZS 3500.1.2:1998 specified in by-law 7.1 or 16.1 or in any such provision as modified by either of those by-laws; and

(b) is given a meaning in AS/NZS 3500.0:1995,

has that meaning when so used.

”.

5. By-law 1.3 replaced by by-laws 1.3 and 1.4

By-law 1.3 is repealed and the following by-laws are inserted instead —

“

1.3 For the purposes of by-laws 7.1 and 16.1, a reference in a provision of AS/NZS 3500.2.2:1996, AS/NZS 3500.4.2:1997 or AS/NZS 3500.1.2:1998 specified in those by-laws to —

(a) “authority”, “local regulatory authority”, “local statutory authority”, “regulatory authority” or “responsible regulatory authority” is to be taken, unless the context otherwise requires, to be a reference to the Corporation;

(b) “backflow” is to be taken to be a reference to backflow as defined in by-law 1.1;

(c) “branch drain” is to be taken to be a reference to a branch property sewer as defined in by-law 1.1;

(d) “conduit” is to be taken to be a reference to a conduit within the meaning of the *Water Agencies (Powers) Act 1984*;

(e) “fitting” is to be taken to be a reference to a fitting within the meaning of the *Water Agencies (Powers) Act 1984*;

(f) “fixture” is to be taken to be a reference to a fixture within the meaning of the *Water Agencies (Powers) Act 1984*;

(g) “ground” is to be taken to be a reference to ground as defined in by-law 1.1;

(h) “main drain” is to be taken to be a reference to a property sewer within the meaning of the *Water Agencies (Powers) Act 1984*;

(i) “pipe” is to be taken to be a reference to a pipe within the meaning of the *Water Agencies (Powers) Act 1984*;

- (j) “sewer” is to be taken to be a reference to a sewer within the meaning of the *Water Agencies (Powers) Act 1984*;
- (k) “spill level” is to be taken to be a reference to spill level as defined in by-law 1.1;
- (l) “trade waste” is to be taken to be a reference to industrial waste as defined in by-law 1.1;
- (m) “water heater” is to be taken to be a reference to a water heater as defined in by-law 1.1; and
- (n) “water service” or “water supply system” is to be taken to be a reference to a water supply system as defined in by-law 1.1.

1.4 If there is any conflict or inconsistency between a provision of AS/NZS 3500.2.2:1996, AS/NZS 3500.4.2:1997 or AS/NZS 3500.1.2:1998 specified in by-law 7.1 or 16.1 and a provision of these by-laws, the latter provision prevails.

6. Figure 1.3 deleted

Figure 1.3 which appears before by-law 2.0 is deleted.

7. By-law 7.0 replaced

By-law 7.0 (comprising by-laws 7.1 and 7.2) is repealed and the following by-law is inserted instead —

“

7.0 WATER SUPPLY PLUMBING

7.1 A person who carries out water supply plumbing shall ensure that the plumbing is carried out in accordance with the requirements of —

- (a) the provisions of AS/NZS 3500.4.2:1997 and AS/NZS 3500.1.2:1998 specified in the first column of the Table to this by-law, subject to any modification of those provisions specified in the second column of that Table; and
- (b) by-laws 8.1.4.4, 11.2, 12.0, 13.1.4(c), 14.2.1, 14.2.2, 14.2.3, 14.4.2.3 and 15.1(a) and (f).

Penalty: \$2 000.

Table

<i>Provision</i>	<i>Modification</i>
AS/NZS 3500.4.2:1997	
Section 1	
Section 2 (clauses 2.3, 2.6, 2.8.2 and 2.8.3)	
Section 3 (clauses 3.3, 3.4.1, 3.4.5, 3.5.2, 3.5.3, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.12, 3.13.1(a) and (b), 3.13.2.1(d), (e) and (f), 3.13.2.4(c), 3.14.3 and 3.16)	<p>Clause 3.5.2 to be read as if paragraph (b) were omitted.</p> <p>Clause 3.5.3 to be read as if paragraph (a) were omitted.</p>

	Clause 3.5.3(b) to be read as if after "Pipes shall" the following were inserted — " be in a conduit or shall ".
Section 4 (clauses 4.2.3, 4.3.2, 4.7, 4.8, 4.9, 4.10.1, 4.10.3, 4.12 and 4.13)	Clause 4.9 to be read as if the asterisks which appear opposite "Expansion control valve" in Table 4.1 were replaced in each case with — " Yes ".
	Clause 4.13.1 to be read as if paragraph (c) were omitted.
Section 5 (clauses 5.2.2, 5.2.3, 5.3.8, 5.3.10, 5.7.2.1, 5.8 and 5.9)	Clause 5.2.3 to be read as if "4.3" were replaced with — " 4.3.2 ".
	Clause 5.3.10(d) to be read as if "6.3" were replaced with — " 6.3.1 ".
	Clause 5.8.2 to be read as if — (a) "5.3 and 5.4" were replaced with — " 5.3.8 and 5.3.10 "; and (b) "Section 3." were replaced with — " the provisions of Section 3 specified in the Table to by-law 7.1 of the <i>Metropolitan Water Supply, Sewerage and Drainage By-laws 1981</i> as modified in that Table. ".
	Clause 5.8.3.1 to be read as if "5.3 and 5.4" were replaced with — " 5.3.8 and 5.3.10 ".
	Clause 5.8.4 to be read as if the passage beginning "In such cases," and ending "permanent preheater." were omitted.
	Clause 5.9.1 to be read as if after "Clause 4.10" the following were inserted — " specified in the Table to by-law 7.1 of the <i>Metropolitan Water Supply, Sewerage and Drainage By-laws 1981</i> ".

Section 6 (clause 6.3.1)

AS/NZS 3500.1.2:1998

Section 1 (clause 1.5)

Section 2 (clauses 2.1 to 2.7 and 2.8.2)

Clause 2.4 to be read as if clause 2.4.7 were omitted.

Section 4

Clause 4.2.3 to be read as if “authorized by the regulatory authority” were omitted.

Clause 4.5 to be read as if “and be subject to the approval of the regulatory authority” were omitted.

Section 5 (clauses 5.4, 5.5.1, 5.5.2.2, 5.5.2.3, 5.6, 5.7.1, 5.9, 5.10, 5.11, 5.14, 5.16, 5.17.2, 5.18 and 5.19)

Clause 5.5.1 to be read as if paragraph (a) were omitted.

Clause 5.5.2.2 to be read as if paragraph (b) were omitted.

Clause 5.5.2.3 to be read as if paragraph (a) were omitted.

Clause 5.5.2.3(b) to be read as if after “pipework” the following were inserted —

“ , or shall be in a conduit ”.

Section 6 (clauses 6.3, 6.4 and 6.8.2)

Clause 6.4 to be read as if “Section 5.” were replaced with —

“ the provisions of Section 5 specified in the Table to by-law 7.1 of the *Metropolitan Water Supply, Sewerage and Drainage By-laws 1981* as modified in that Table. ”.

Section 7

Clause 7.2(b) to be read as if after “finished ground level” the following were inserted —

“ , subject to, or likely to be subject to, flooding or ponding ”.

Clause 7.2(c) to be read as if after “finished ground level” the following were inserted —

“ , subject to, or likely to be subject to, flooding or ponding ”.

Section 8 (clauses 8.2.2, 8.3.2, 8.5.5, 8.7.2 and 8.9)

Section 9 (clauses 9.2, 9.3, 9.4.1, 9.4.2, 9.4.4, 9.6, 9.7, 9.8 and 9.9)

Clause 9.6.1 to be read as if “Section 8” were replaced with —

“ the provisions of Section 8 specified in the Table to by-law 7.1 of the *Metropolitan Water Supply, Sewerage and Drainage By-laws 1981* ”.

Clause 9.9 to be read as if clause 9.9.5 were omitted.

Section 11 (clause 11.3)

Section 12

7.2 A person who carries out water supply plumbing shall ensure that the maximum working pressure of pipes and other fittings, as specified by the manufacturer, is not exceeded.

Penalty: \$1 000.

7.3 A person who carries out water supply plumbing that involves the installation of pipes in a concealed location shall ensure that the pipes —

- (a) are approved by the manufacturer for use in such a location; and
- (b) are installed in accordance with the manufacturer's instructions.

Penalty: \$1 000.

”.

8. **By-law 8.0 amended**

By-law 8.0 (comprising by-laws 8.1 to 8.9) is amended by repealing all of its provisions other than by-law 8.1.4.4.

9. **By-law 9.0 repealed**

By-law 9.0 (comprising by-laws 9.1 to 9.12) is repealed.

10. **By-law 10.0 repealed**

By-law 10.0 (comprising by-laws 10.1 and 10.2) is repealed.

11. **By-law 11.0 amended**

By-law 11.0 (comprising by-laws 11.1 to 11.5) is amended as follows:

- (a) in by-law 11.2 by repealing by-laws 11.2.2 and 11.2.3;
- (b) by repealing by-laws 11.3, 11.4 and 11.5.

12. By-law 13.0 amended

By-law 13.0 (comprising by-laws 13.1 and 13.2) is amended as follows:

- (a) by repealing all of by-law 13.1 other than by-law 13.1.4(c);
- (b) by repealing by-law 13.2.

13. By-law 14.0 amended

By-law 14.0 (comprising by-laws 14.1 to 14.6) is amended by repealing all of its provisions other than by-laws 14.2.1, 14.2.2, 14.2.3 and 14.4.2.3.

14. By-law 15.0 amended

By-law 15.0 (comprising by-laws 15.1 to 15.5 and 15.8 to 15.9) is amended as follows:

- (a) in by-law 15.1 —
 - (i) by deleting paragraphs (a) to (e);
 - (ii) by deleting the semicolon at the end of paragraph (f) and inserting a full stop; and
 - (iii) by deleting paragraphs (g) to (r);
- (b) by repealing by-law 15.5.

15. By-law 16.0 replaced

By-law 16.0 (comprising by-laws 16.1 and 16.2) is repealed and the following by-law is inserted instead —

“

16.0 SANITARY AND DRAINAGE PLUMBING

16.1 A person who carries out sanitary plumbing or drainage plumbing shall ensure that the plumbing is carried out in accordance with the requirements of —

- (a) the provisions of AS/NZS 3500.2.2:1996 specified in the first column of the Table to this by-law, subject to any modification of those provisions specified in the second column of that Table; and
- (b) by-laws 18.2, 18.3, 18.20, 18.23.2, 19.3, 25.7 and 26.4.8.

Penalty: \$2 000.

Table

<i>Provision</i>	<i>Modification</i>
AS/NZS 3500.2.2:1996	
Section 1 (clause 1.4)	
Section 3 (other than clauses 3.6, 3.15.4 and 3.17)	Clause 3.14 to be read as if paragraph (a) were omitted.

Clause 3.14(b) to be read as if
“other authorized materials”
were replaced with —

“ authorized materials
(including mortar jointed
vitrified clay pipes) ”.

Clause 3.15 to be read as if
clause 3.15.1 were omitted.

Clause 3.15.2 to be read as if—

(a) the passage beginning “At
least one” and ending
“normally contain
chemicals.” were omitted;
and

(b) “The dump point” were
replaced with —

“ Where soil waste dump
points are provided for a
caravan park, they ”.

Clause 3.15.3 to be read as if
“sullage connection points”,
were replaced with —

“ sullage dump points ”.

Section 4

Clause 4.4.3.1 to be read as if
paragraph (d) were omitted.

Clause 4.6.2 to be read as if
paragraph (b) were omitted.

Clause 4.6.2(d) to be read as if
after “surcharge” the following
were inserted —

“ , and for external locations
the grating shall be of a
loose, lightweight domed,
pop-out type ”.

Table 4.3 to be read as if —

(a) in the first column “Floor
waste gully or shower”
were replaced with —

“ Floor waste gully or
shower (not fitted with a
hob) ”;

(b) in the first column below
“Floor waste gully or
shower (not fitted with a
hob)” the following were
inserted —

“ Shower (fitted with a
hob) ”;

and

- (c) in the second column below “Top surface level of the grate” the following were inserted —

“ Overflow level of the hob ”.

Clause 4.7.3(b) to be read as if after “Clause 4.8” the following were inserted —

“ (other than clauses 4.8.4.3 and 4.8.4.7) ”.

Clause 4.10 to be read as if paragraph (a) were omitted.

Section 5

Section 6

Section 7

Section 8

Section 9 (other than clauses 9.2, 9.6, 9.9 and 9.10)

Clause 9.3 to be read as if paragraphs (a), (b), (d), (e) and (g) were omitted.

Clause 9.4 to be read as if clauses 9.4.3, 9.4.4 and 9.4.5 were omitted.

Section 10 (other than clauses 10.9 and 10.11)

Section 11 (other than clauses 11.2, 11.7, 11.14, 11.16, 11.21, 11.27)

Clause 11.18 to be read as if clauses 11.18.2 and 11.18.3 were omitted.

Clause 11.20 to be read as if clause 11.20.1 were omitted.

Clause 11.23 to be read as if “The” were replaced with —

“ Where required by the Corporation, the ”.

Clause 11.26.2.1 to be read as if paragraph (c) were omitted.

Clause 11.26.3 to be read as if after “DN 50” the following were inserted —

“ and shall not discharge through a grease arrestor ”.

- 16.2 A person who carries out sanitary plumbing or drainage plumbing shall ensure that the design operating conditions of pipes and other fittings, as specified by the manufacturer, are not exceeded.

Penalty: \$1 000.

”.

16. By-law 17.0 repealed

By-law 17.0 (comprising by-laws 17.1, 17.2 and 17.4) is repealed.

17. By-law 18.0 amended

By-law 18.0 (comprising by-laws 18.1 to 18.25) is amended as follows:

- (a) by repealing all of its provisions other than by-laws 18.2, 18.3, 18.20 and 18.23.2;
- (b) by deleting by-law 18.2(a) and inserting the following paragraph instead —

“

- (a) Where air-conditioning plant waste is to be discharged to the sewer, the air-conditioning plant shall discharge in accordance with the requirements for instrument sterilizers and autoclaves in clause 11.21 of AS/NZS 3500.2.2:1996.

”.

18. By-law 19.0 amended

By-law 19.0 (comprising by-laws 19.1 to 19.8) is amended as follows:

- (a) by repealing all of its provisions other than by-law 19.3;
- (b) in by-law 19.3 by repealing by-law 19.3.3.

19. By-laws 20.0, 21.0, 22.0, 23.0 and 24.0 repealed

By-laws 20.0 (comprising by-laws 20.1 to 20.11), 21.0 (comprising by-laws 21.1 to 21.6), 22.0 (comprising by-laws 22.1 to 22.5), 23.0 (comprising by-laws 23.1 to 23.6) and 24.0 (comprising by-laws 24.1 to 24.10) are repealed.

20. By-law 25.0 amended

By-law 25.0 (comprising by-laws 25.1 to 25.15) is amended by repealing all of its provisions other than by-law 25.7.

21. By-law 26.0 amended

By-law 26.0 (comprising by-laws 26.1 to 26.4) is amended as follows:

- (a) by repealing all of its provisions other than by-law 26.4.8;
- (b) in by-law 26.4.8 by deleting paragraphs (a), (b) and (e).

22. By-law 28.6 amended

By-law 28.6 is amended by deleting by-law 28.6.2(a)(ii).

23. By-law 28.9 amended

By-law 28.9 is amended in by-law 28.9.3 as follows:

- (a) by inserting before “The combined pipe system” the following by-law designation —

“ 28.9.3.1 ”; and

- (b) by inserting after paragraph (d) the following —

“

28.9.3.2 In by-law 28.9.3.1 —

“combined waste pipe” means any pipe which receives the discharges from both soil and waste fixtures and conveys those discharges to the property sewer.

”.

KIM HAMES, Minister for Water Resources
