

South Australia

# **Public and Environmental Health (Waste Control) Regulations 1995**

under the *Public and Environmental Health Act 1987*

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# Part 1—Preliminary

## 1—Short title

These regulations may be cited as the *Public and Environmental Health (Waste Control) Regulations 1995*.

## 3—Interpretation

- (1) In these regulations, unless the contrary intention appears—  
*the Act* means the *Public and Environmental Health Act 1987*;  
*alter* in relation to a waste control system, includes—

- (a) to vary the system;
- (b) to enlarge or extend the system;

*AS* means a standard of the *Standards Association of Australia*;

*business day* means a day other than a Saturday, Sunday or public holiday;

*independent technical expert*—see subregulation (2);

*prescribed codes* means the codes referred to in regulation 4 (subject to the exclusions and modifications prescribed by Schedule 1);

*relevant authority*—see regulation 6;

*sewer* means a sewer or drain of any description connected to, or discharging into, a waste control system;

*STED scheme* means a septic tank effluent drainage scheme.

- (2) For the purposes of these regulations, *independent technical expert* means a person who—
- (a) in a case involving the installation or alteration of a waste control system—is not the owner or an employee of the owner of the premises where the system is located (or is proposed to be located); and
  - (b) —
    - (i) is a corporate member of the Institution of Engineers, Australia, or is registered on the National Professional Engineers Register administered by the Institution of Engineers, Australia, and has experience in the field of plumbing and drainage, design and construction techniques, or geotechnical engineering; or
    - (ii) has engineering or other qualifications that the Minister is satisfied qualify the person to act as a technical expert under these regulations.

**Note—**

For definition of divisional penalties (and divisional expiation fees) see Appendix.

#### **4—Prescribed codes**

- (1) The following are prescribed codes:
- AS 3500.0—1990 (*Glossary of Terms*), AS 3500.1—1992 (*Water Supply*), Sections 8 and 9, and AS 3500.2—1990 (*Sanitary Plumbing and Sanitary Drainage*) (being Parts of the *National Plumbing and Drainage Code* published by the Standards Association of Australia), subject to the exclusions and modifications prescribed by Schedule 1;
  - South Australian Health Commission Code "*Waste Control Systems—Standard For The Construction, Installation and Operation of Septic Tank Systems in South Australia*", including Supplement "A" "*Aerobic Sand Filters*" and Supplement "B" "*Aerobic Wastewater Treatment Systems*", published on the same day as these regulations.
- (2) The prescribed codes as in force from time to time are adopted by, and for the purposes of, these regulations.
- (3) For the purposes of section 47(8)(c) of the Act, a copy of each of the prescribed codes will be available for inspection at the principal office of the Department at the following address:

Public and Environmental Health Service  
Level 8  
Citi Centre  
11–13 Hindmarsh Square  
ADELAIDE 5000.

## 5—Application

These regulations do not apply to—

- (a) a waste control system, other than a STED scheme, that is within a drainage area proclaimed under the *Sewerage Act 1929* and connected to the undertaking within the meaning of that Act, and that allows waste to be discharged directly into the undertaking without the need for pumping or other mechanical processes; or
- (b) any part of a waste control system operated under an environmental authorisation under the *Environment Protection Act 1993*; or
- (c) the disposal or reuse of waste from a waste control system that is subject to an environmental authorisation under the *Environment Protection Act 1993*.

## Part 2—Approvals

### Division 1—Determination of relevant authority

#### 6—Determination of relevant authority

- (1) The relevant authority, in relation to an application for an approval to install a waste control system, or to alter a waste control system that has been installed, will be ascertained as follows:
  - (a) if the waste control system is to be installed, or is located, within the area of a council, then, subject to paragraph (b), the council is the relevant authority;
  - (b) if—
    - (i) the waste control system is a STED scheme; or
    - (ii) the waste control system is to be installed, or is located, outside the area of a council; or
    - (iii) the waste control system is to be installed or altered by a council, or by a person acting in partnership or conjunction with a council; or
    - (iv) the waste control system does not (or would not) conform with a prescribed code,then the Minister is the relevant authority.
- (2) However, the following qualifications apply to subregulation (1):
  - (a) if, apart from this paragraph, the Minister would be the relevant authority for a proposal to install or alter a waste control system by virtue of subregulation (1)(b)(iii), a council that does not have a direct or indirect interest in the matter may act as the relevant authority unless to do so would be contrary to guidelines (if any) prepared and published by the Minister for the purposes of this paragraph; and

(b) if, apart from this paragraph, the Minister would be the relevant authority for a proposal to install or alter a waste control system by virtue of subregulation (1)(b)(iv), a council may act as the relevant authority if the case only involves a minor variation of a prescribed code (taking into account guidelines (if any) prepared and published by the Minister for the purposes of this paragraph), subject to the qualification that if the variation relates to the setback distance of a waste control system from—

- (i) a well, bore or dam used or likely to be used for human or domestic purposes; or
- (ii) a watercourse that is used or likely to be used for human or domestic purposes; or
- (iii) the River Murray or a related lake,

then the council must not approve the relevant application without first consulting with the Minister, obtaining the Minister's concurrence in the matter, and incorporating into the approval any conditions required by the Minister.

- (3) A council must, at the request of the Minister, provide any additional information as the Minister may require in order to determine whether or not the Minister should grant his or her concurrence under subregulation (2).
- (4) The relevant authority in any other case under these regulations is the Minister.

## **Division 2—Requirement for approval of waste control systems**

- 1 A waste control system is defined under the Act to include any fixture, fitting, appliance, plant or process associated with a system that provides for the collection, treatment or disposal of human, commercial or industrial waste.

### **7—Installation or alteration**

A person must not install or alter a waste control system except as approved by the relevant authority under these regulations.

Penalty: Division 8 fine.

Expiation fee: \$100.

### **8—Disposal or use of waste**

A person must not dispose of, or reuse, waste from a waste control system except as approved by the relevant authority under these regulations.

Penalty: Division 6 fine.

Expiation fee: \$100.

### **9—Manufacture of waste control systems**

A person must not manufacture or construct a waste control system, or a component, part or product for a waste control system, except as approved by the relevant authority under these regulations.

Penalty: Division 8 fine.

Expiation fee: \$100.

## **10—Sale of waste control systems**

A person must not—

- (a) sell; or
- (b) expose for sale; or
- (c) have in his or her possession for the purpose of sale,

a waste control system unless the waste control system has been manufactured or constructed under an approval issued by the relevant authority under these regulations.

Penalty: Division 8 fine.

Expiation fee: \$100.

## **11—Use**

A person must not use a waste control system except as approved by the relevant authority under these regulations.

Penalty: Division 8 fine.

Expiation fee: \$100.

## **Division 3—Procedural issues**

### **12—Application and provision of information**

- (1) An application to a relevant authority for an approval under this Part must be in a form determined by the Minister.
- (2) An application must—
  - (a) include, or be accompanied by, the information or particulars required to be supplied by the form or a relevant code; and
  - (b) in the case of an application for approval under regulation 7, be accompanied by plans that set out site details, specifications and conditions, and show the location and type of fixtures and fittings, plumbing and drainage items, treatment unit, and disposal system.
- (3) A relevant authority may require an applicant to provide (either with the application or subsequently) other or additional information or documents (including technical, scientific or engineering information or calculations) relevant to the application.
- (4) A relevant authority may require an applicant to provide a certificate or certificates (including by the certification of technical details, particulars, plans, drawings or specifications) from an independent technical expert that the waste control system, or a component, part or product for a waste control system (as the case may be and as may be relevant to the particular application)—
  - (a) complies with a prescribed code;
  - (b) is capable of performing its proposed functions;
  - (c) is reliable and durable;
  - (d) will not cause a nuisance or an adverse public or environmental health condition.

- (5) An application for an approval must be accompanied by the appropriate fee fixed by Schedule 2.
- (6) A person must not, in furnishing information for the purposes of this regulation, make a statement that is false or misleading in a material particular (whether by the inclusion or omission of any particular).

Penalty: Division 7 fine.

Expiation fee: \$100.

### **12A—Approval of disposal or reuse of waste**

Where the disposal, or reuse, of waste from a waste control system involves an activity for which a permit is required under section 9 of the *Water Resources Act 1997*, the relevant authority must not grant its approval for the disposal, or reuse, of the waste unless—

- (a) the permit required under section 9 of the *Water Resources Act 1997* has been granted and is in force; or
- (b) the approval does not operate until such a permit has been granted.

### **13—Conditions**

- (1) An approval under this Part will be subject to—
  - (a) unless otherwise determined by the relevant authority, the condition that a person bound by the condition (see subregulation (3)) must comply with any prescribed code that applies to the circumstances of the particular case; and
  - (b) other conditions (if any) imposed by the relevant authority.
- (2) A relevant authority may, for example, grant an approval subject to a condition—
  - (a) that requires a person bound by the condition to monitor the performance of the waste control system and to provide to the relevant authority specified information in a manner, and at times, specified by the relevant authority; or
  - (b) that prevents activities that would adversely affect the operation or maintenance of a drain, treatment unit or disposal system; or
  - (c) that requires a waste control system to have various access points for maintenance or inspection (raised to or terminating at surface level, or as required by the relevant authority); or
  - (d) that requires a waste control system to be connected to a STED scheme or sewer; or
  - (e) that requires various records of a specified kind to be created, maintained, and provided to the relevant authority; or
  - (f) that requires a person who manufactures or constructs a waste control system to comply with an Australian Standard or other specified requirement; or
  - (g) that provides that a waste control system should not be used unless or until it has been inspected or tested by an independent technical expert and a certificate from the independent technical expert that the system has been installed in accordance with a prescribed code and complies with the conditions of an approval has been supplied to the relevant authority; or

- (h) that provides that specified material must not, or that only specified material may, be discharged into, or from, the waste control system.
- (3) A condition is binding on, and enforceable against—
  - (a) the person who obtains the approval; and
  - (b) the owners and occupiers of premises where a waste control system is located.
- (4) The relevant authority may, if it considers it appropriate to do so, by notice in writing to a person bound by the condition, vary a condition under this regulation.
- (5) A person may, on application made to the relevant authority in writing, request the variation of a condition and the relevant authority may, as it thinks fit—
  - (a) grant the variation; or
  - (b) refuse to grant the variation.
- (6) A condition may be varied by the addition, substitution or deletion of one or more conditions.
- (7) A person must not contravene, or fail to comply with, a condition imposed under this regulation.  
Penalty: Division 8 fine.  
Expiation fee: \$100.

#### **14—Duration of approval**

- (1) A relevant authority may, in giving an approval under this Part, specify a period for which the approval will remain operative (and that specification will have effect according to its terms).
- (2) A relevant authority may, on its own initiative or on an application under this regulation, extend a period specified under subregulation (1).

#### **15—Reasons for refusal**

If a relevant authority decides to refuse an application for an approval under this Part, it must give the applicant written notice of its reasons for refusal.

#### **16—Interim approval**

An approval may be limited in its nature (with or without conditions), and will lapse at the end of the relevant period unless the relevant authority converts it into a full approval under this Part.

### **Part 3—Inspections and compliance**

#### **Division 1—Inspections**

##### **17—Mandatory notification stages**

- (1) A relevant authority may, as part of an approval under these regulations relating to the installation of a waste control system, require a person to notify the relevant authority of the completion of specified work (a mandatory notification stage).

- (2) A person who is installing a waste control system must, when a mandatory notification stage is reached—
- (a) notify the relevant authority in a manner determined by the relevant authority for the purposes of this regulation; and
  - (b) stop the work pending an inspection by an authorised officer; and
  - (c) if the mandatory notification stage occurs at the end of the installation of the system, ensure that the system is not used until inspected by an authorised officer.

Penalty: Division 9 fine.

Expiation fee: \$100.

- (3) However, if an inspection is not carried out under subregulation (2) within one business day after the day on which the relevant notification is given under subregulation (2)(a), a person may proceed with the work, or proceed to use the relevant waste control system (as the case may be).

## **18—Inspections and testing**

- (1) An authorised officer may, in connection with the administration or enforcement of these regulations—
- (a) enter premises and inspect, examine or test a waste control system (including a fixture, fitting, appliance, plant, drain or process associated with a waste control system), and undertake work or an activity reasonably necessary to facilitate or undertake an inspection, examination or test, or give directions as to an inspection, examination or test;
  - (b) take samples of a substance or thing for analysis;
  - (c) give directions with respect to the operation of a waste control system;
  - (d) require the provision of a report on the operation, performance or use of, or discharges to or from, a waste control system.
- (2) In the exercise of a power under subregulation (1), an authorised officer may be accompanied by such assistants as may be necessary or desirable in the circumstances.
- (3) A person must not, without reasonable excuse—
- (a) hinder or obstruct an authorised officer, or a person assisting an authorised officer, in the exercise of a power under this regulation; or
  - (b) fail to obey a direction or requirement of an authorised officer under this regulation.

Penalty: Division 6 fine.

Expiation fee: \$100.

## **Division 2—Maintenance orders**

### **19—Maintenance orders**

- (1) The authority may, by notice in writing, require the owner or occupier of premises where a waste control system is located to take specified action (immediately or within a period specified in the notice)—
  - (a) to alter, repair or replace a fixture, fitting, appliance, plant, drain or other item associated with a waste control system;
  - (b) to remove sludge or other material from a waste control system;
  - (c) to service, maintain or cleanse a waste control system (or a fixture, fitting, appliance, plant, drain or other item associated with a waste control system);
  - (d) if a waste control system is defective, inadequate or inappropriate—to replace the waste control system, or a fixture, fitting, appliance, plant, drain or other item associated with the waste control system.
- (2) If the requirements of a notice under this regulation are not complied with, the authority may cause the requirements to be carried out (and a person authorised to do so by the authority may enter premises at any reasonable time for the purposes of carrying out the relevant work).
- (3) The authority may recover the costs and expenses reasonably incurred in exercising a power under subregulation (2) from the person who failed to comply with the notice, as a debt.
- (4) A person to whom a notice under this regulation is addressed must not, without reasonable excuse, fail to comply with the notice.

Penalty: Division 6 fine.

Expiation fee: \$100.

## **Part 4—Miscellaneous**

### **20—Ability of Minister to dispense with certain requirements**

A requirement or condition under these regulations may, in respect of a particular person, or a person of a class determined by the Minister, be dispensed with according to the discretion of the Minister.

### **21—Retention of material**

- (1) A relevant authority must retain a copy of the following documents in relation to an approval under these regulations:
  - (a) the application;
  - (b) all technical, scientific or engineering information, calculations, particulars, plans, drawings, specifications or other information relating to the relevant waste control system;
  - (c) all certificates, opinions or other documents submitted to the relevant authority in connection with the application;

- (d) the approval given to the applicant, including any condition imposed by the relevant authority;
  - (e) all reports and other information obtained by, or submitted to, the relevant authority in the enforcement or administration of this Act;
  - (f) a notice under these regulations in respect of the relevant waste control system.
- (2) If the authority becomes aware of—
- (a) an unauthorised discharge from a waste control system; or
  - (b) a malfunction of a waste control system; or
  - (c) a breakdown or defect in an aspect of a waste control system,
- the authority must prepare and retain a report on the matter.
- (3) The authority must—
- (a) preserve a document referred to in subregulation (1)(a), (e) or (f), or prepared under subregulation (2), for at least six years; and
  - (b) preserve a document referred to in subregulation (1)(b), (c) or (d) for at least three years after the relevant waste control system is retired from service or removed.

## **22—Fees**

- (1) The fees set out in Schedule 2 are payable as specified in that Schedule.
- (2) The Minister or a local council may refund, reduce or remit a fee specified in Schedule 2.

## **23—Compliance with codes etc**

- (1) A person must not, without the approval of the relevant authority, use a waste control system in a manner that contravenes, or fails to comply with, a prescribed code.  
Penalty: Division 8 fine.  
Expiation fee: \$100.
- (2) An owner or occupier of premises where a waste control system is located must ensure that the system is maintained in good order and condition.  
Penalty: Division 8 fine.  
Expiation fee: \$100.

## **24—Requirement to connect system to STED scheme or sewer**

- (1) The Minister or a council may, by notice in writing, require the owner or occupier of premises where a waste control system is located—
  - (a) to take specified action (immediately or within a period specified in the notice) to connect the system to a STED scheme or sewer;
  - (b) to disconnect, or to cease to use, a system.

- (2) Unless the Minister or a council otherwise determines, a person who is subject to a requirement under subregulation (1)(a) must—
- (a) make due application for any alteration to the waste control system that is necessary to make the relevant connection; and
  - (b) pay the fee prescribed by Schedule 2.
- (3) If the requirements of a notice under this regulation are not complied with, the Minister or council may cause the requirements to be carried out (and a person authorised to do so by the Minister or council may enter land at any reasonable time for the purposes of carrying out the relevant work).
- (4) The Minister or council may recover the costs and expenses reasonably incurred in exercising a power under subregulation (3) from the person who failed to comply with the notice, as a debt.
- (5) A person to whom a notice under this regulation is addressed must not, without reasonable excuse, fail to comply with the notice.

Penalty: Division 6 fine.

Expiation fee: \$100.

## 25—Form of approvals and authorisations

An approval or authorisation under these regulations may be given by way of a specific or general approval or authorisation.

## Schedule 1—Prescribed codes exclusions and modifications

### AS 3500 *National Plumbing and Drainage Code variations*

#### AS 3500.1-1992 *Water supply*

Clause	Action	Variation
<b>Section 8</b>		<b>WATER STORAGE AND BREAK TANKS</b>
8.2.2	Add	<b>Note—</b>  'Tanks for potable, fire and flushing purposes shall not be common or inter-connected.'
8.5.1		General. Water storage tanks shall be designed and constructed to withstand the applied forces and shall incorporate all details shown in Fig. 8.1.
8.5.3.3	Add	g. The waste from a safe-tray shall discharge outside the building, clear of doors, windows or other openings and within the property boundaries.

Clause	Action	Variation
8.5.6.2.	Amend	Discharge of Overflow <ol style="list-style-type: none"> <li>a. Overflow pipes shall not discharge into a safe-tray.</li> <li>b. The discharge point shall not be higher than 300mm from the finished floor or roof surface level.</li> <li>c. The discharge point shall not be closer than 150mm from the edge of any gully-trap or sump.</li> <li>d. The discharge point shall be in a readily visible location.</li> <li>e. Adequate protection must be taken to ensure that discharge from the overflow will not cause damage or nuisance.</li> </ol>
8.10	Delete	Common tanks not acceptable refer 8.2.2.
<b>Section 9</b>		<b>WATER FOR SANITARY FLUSHING</b>
9.3.2	Replace with	<b>Cistern Control.</b> This type of automatic cistern incorporating a flush cycle is not authorised for use in South Australia.
9.4.2	Replace with	<b>'Automatic Flushing Cisterns.</b> Non-programmable automatic cisterns are not permitted to connect to the Authority's water supply system'.
9.4.3	Add	<b>Note—</b>  'Minimum frequency for flushing shall be prescribed for programmed flushing devices'.
9.5.6	Add to note	'and comply with the requirements of Part 4 of this Standard'.
9.9.6	Add	<b>Note—</b>  The number of outlets and flow requirements must be considered when the pipe sizes are established for a water service incorporating this type of valve.

AS 3500.2-1990 *Sanitary plumbing and sanitary drainage*

Clause	Action	Variation
<b>SECTION TWO - MATERIALS AND PRODUCTS</b>		
2.3	Add (e)	The range of <b>temperature</b> permitted to discharge to the drainage system.
2.4.1	Add (f)	Copper pipes shall not be used in waste lines receiving Trade Waste discharges which could have a deleterious effect upon the copper eg. wastes from photographic equipment.
2.4.2	Alter (b)	To read all 'Fabricated bends and junctions shall be formed of Type B or heavier gauge material.'
	Delete (d)	
2.4.3	Add (c)	Copper alloy pipes and fittings shall not be used in waste lines receiving a discharge which could have a deleterious effect upon the copper alloy.
2.4.9	Add	UPVC pipes and fittings complying with AS1415 shall be used for all sanitary plumbing and drainage installations <b>above ground</b> and exposed to direct sunlight.

<b>Clause</b>	<b>Action</b>	<b>Variation</b>
2.4.10	Amend	Vitrified clay: Vitrified clay pipes shall not be used as a drain under buildings.
2.4.11	Add (new)	<b>Polyethylene</b> Polyethylene pipes and fittings shall only be installed in accordance with the manufacturer's instructions and the relevant Australian standards.
<b>SECTION THREE - DRAINAGE DESIGN</b>		
3.3.4	Delete	
3.4.2	Amend	In the second sentence delete all words after Table 3.3 and the note.
3.5.2	Alter (a)	To read: 'Drains in Easements shall comply with the guidelines in the encroachment manual.' Page 10.
	Replace (b)	With 'Drains in water courses shall be installed in accordance with the requirements of the Authority controlling the water course or channel.'
3.9	Delete	
3.10.1(f)	Delete	
Table 3.6	Amend	Words in brackets to DN80 branches to read (Excluding WC/s and Slophoppers).
3.17	Delete	
Fig. 3.10	Delete	
Fig. 3.11	Delete	
<b>SECTION FOUR - DRAINAGE SYSTEM</b>		
4.2.1	Add	Note 2 (c) Fixtures installed in basements or other locations, where surcharge could damage the premises and contents, shall be connected to the sewerage system by means of a pumping installation.
4.3.2(b)	Alter	Delete V.C. (vitrified clay) from list of materials used for drains above ground.
4.4.1	Amend	Inspection Shafts and Boundary Traps  General. An inspection shaft (Govt IP) will be provided at or near the boundary by the Authority. In boundary trap areas a Water Seal Connection will be provided.
4.4.2	Delete	(4.4.2.2) (4.4.2.3) (4.4.3) (4.4.3.1) (4.4.3.2) (4.4.4) (4.4.4.1) (4.4.4.2) (4.4.4.3)
	Add	<b>Note—</b>  Boundary traps to existing premises. Where boundary traps remain on private property replacement and maintenance remain the responsibility of the owner/proprietor.

<b>Clause</b>	<b>Action</b>	<b>Variation</b>						
4.5.2	Replace with	Installation. A reflux valve shall be installed where: <ul style="list-style-type: none"> <li>(a) The maximum height of the overflow relief gully and the lowest fixture specified in clause 4.6.6.6 cannot be achieved.</li> <li>(b) A fixture is located in a basement and discharges to a sewage ejector or wetwell and can be affected by a surcharge from a fixture at a higher level.</li> </ul>						
4.5.3	Amend	Stack discharge. A stack shall not discharge within five metres of a reflux valve.						
Table 4.2	Amend	Delete DN80 from Table (size of gully and main drain).						
Table 4.3	Add	Note under Table 4.3. Floor waste gullies (including those in shower areas) that have a grate valve fitted to prevent backflow may be excluded.						
4.6.6.5	Delete	Note (a)						
4.6.7.1	Amend	Delete last sentence.						
Table 4.4	Replace with	Table 6.1A replaces Table 4.4.						
Table 4.6	Amend	To read <table style="margin-left: 40px; border: none;"> <tr> <td style="padding-right: 20px;"><math>\geq 3</math></td> <td>DN50</td> </tr> <tr> <td><math>\geq 8</math></td> <td>DN65</td> </tr> <tr> <td><math>\geq 10</math></td> <td>DN80</td> </tr> </table>	$\geq 3$	DN50	$\geq 8$	DN65	$\geq 10$	DN80
$\geq 3$	DN50							
$\geq 8$	DN65							
$\geq 10$	DN80							
4.6.7.3	Replace with	Connection of fixtures. Waste pipes shall connect to floor waste gullies at <ul style="list-style-type: none"> <li>(1) not less than normal minimum grades and</li> <li>(2) not longer than the distances set in Table 6.1A.</li> </ul>						
4.6.7.4	Add	<b>Note—</b> Wastepipes discharging to F.W.G's shall not be extended by venting the waste line.						
4.7.1		<b>Inspection Openings</b>						
4.7.1	Amend	General. Except where inspection chambers are provided inspection openings for maintenance purposes shall be provided (see fig 4.4).						
4.7.1 (a)		Outside a building on each branch connecting one or more W.C.'s or slophoppers.						
4.7.1 (b)		With a minimum of one inspection point on each main drain and at each interval of not more than 30m.						
4.7.1 (c)		At the connection to the authority's sewer if not provided by the authority. (Note: Govt IP provided by EWS).						
4.7.1 (d)		On the downstream end where any drain passes under a building except where domestic waste fixtures only are connected.						
4.7.1 (e)		Where any new drain is connected to an existing drain.						
4.7.1 (f)		Immediately at or upstream of the upper bend of a jump up.						

<b>Clause</b>	<b>Action</b>	<b>Variation</b>
4.7.1 (g)		Within 1.5m of the furthestmost fixture on any branch drain which exceeds 10m in length.
4.7.1 (h)		Adjacent to the outlet of any floor type urinal (refer figure 4.4a - 4.4b).
		<p><b>Inspection Openings Raised To Surface</b></p> <p>Inspection openings indicated in 4.7.1(b) and (h) - shall be brought to the ground or floor surface. All other inspection openings need not be raised to the surface provided they are not below paved, concreted, or floor surfaces.</p> <p>At least one Inspection opening shall be brought to the surface on each main drain.</p> <p><b>Note—</b></p> <p style="padding-left: 40px;">Inspection Openings brought to the surface from external drains shall be protected by a suitable cover and surround in such a manner that no traffic load can be transmitted to the drain.</p>
4.8.1	Amend	General. Inspection chambers shall be constructed where directed and be rectangular or circular in shape constructed in situ from concrete at least 150mm thick or be prefabricated.
	Add	<p><b>Note—</b></p> <p>Typical locations for Inspection chambers are:</p> <ol style="list-style-type: none"> <li>1 In Commercial and Industrial sites.</li> <li>2 When minimum grades apply.</li> <li>3 When large volume discharges are involved.</li> <li>4 When excessive depths are involved.</li> <li>5 When Inspection chambers are used to reduce the number of IO's to surface required.</li> <li>6 When large diameter drains are installed.</li> </ol>
Table 4.7	Add	Add note below table 4.7 'Refer minimum 1.2m diameter 4.8.4.2(b)'
4.8.5	Add	<p><b>Note—</b></p> <p>Expansion joints used below ground shall be covered with a plastic membrane to allow movement and exclude grit.</p>
<b>SECTION FIVE - EXCAVATION - BEDDING - SUPPORT AND BACKFILLING.</b>		
5.8.6	Amend (a)	Drains beneath slabs in unstable ground or in filled ground. Delete 'or vitrified clay' in line two.
<b>SECTION SIX - GENERAL DESIGN REQUIREMENTS FOR SANITARY PLUMBING SYSTEMS</b>		
6.2	Amend	Second sentence: Replace 'Table 6.1' with 'Table 6.1A'.

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<b>Clause</b>	<b>Action</b>	<b>Variation</b>																				
Table 6.1	Amend	Delete the whole of the last column 'Maximum length of unvented fixture discharge pipe m'.																				
		<b>TABLE 6.1—Fixture Unit Ratings</b>																				
		<table border="1"> <thead> <tr> <th>Fixture</th> <th>Fixture Abbreviations</th> <th>Size of Trap Outlet &amp; Fixture Discharge Pipe</th> <th>Fixture Unit Rating</th> </tr> </thead> <tbody> <tr> <td>Add to sinks</td> <td>Utensil drainer</td> <td>DN40</td> <td>1</td> </tr> <tr> <td>Add to urinals</td> <td>Urinals wall slab or trough 5m or 8 stalls</td> <td>DN80/100</td> <td>3</td> </tr> <tr> <td>Delete</td> <td>WC pan</td> <td>DN80</td> <td></td> </tr> <tr> <td>Delete</td> <td>Panroom and combination sink and flushing bowl</td> <td>DN80</td> <td></td> </tr> </tbody> </table>	Fixture	Fixture Abbreviations	Size of Trap Outlet & Fixture Discharge Pipe	Fixture Unit Rating	Add to sinks	Utensil drainer	DN40	1	Add to urinals	Urinals wall slab or trough 5m or 8 stalls	DN80/100	3	Delete	WC pan	DN80		Delete	Panroom and combination sink and flushing bowl	DN80	
Fixture	Fixture Abbreviations	Size of Trap Outlet & Fixture Discharge Pipe	Fixture Unit Rating																			
Add to sinks	Utensil drainer	DN40	1																			
Add to urinals	Urinals wall slab or trough 5m or 8 stalls	DN80/100	3																			
Delete	WC pan	DN80																				
Delete	Panroom and combination sink and flushing bowl	DN80																				
	Add	<p><b>Note 4—</b></p> <p>Individual fixtures to drain refer to 3.11.3 and Fig 3.6 and Table 6.1A.</p> <p><b>Note 5—</b></p> <p>Waste fixtures to gullies refer Table 4.1 and Table 6.1A.</p>																				
Table 6.1A	Add	Add new table 6.1A providing unvented lengths to FWG, disconnector gullies, vented drains and stacks (fully vented, fully vented modified, single stack and single stack modified). Refer to Table 6.1A.																				
6.3.4		<b>Fixtures Pairs</b>																				
6.3.4.1	Amend	Delete (a) Basins Add to (b) domestic kitchen sinks only																				
Fig 6.6	Add	Termination of vents 'Add 600mm above eaves'																				
<b>SECTION SEVEN</b>																						
7.3		<b>Size of Discharge Pipes</b>																				
7.3.1	Delete words	'Except in the case of water closets and slophoppers which may be connected to DN80 discharge pipes'.																				
7.3.4	Delete																					
7.4(f)	Delete																					
Table 7.2	Amend	Replace last figure in Table with 2850 loading units.																				
Table 7.3	Amend	Replace DN32 with DN40.																				
7.5.3	Amend	Size. The minimum size trap vents shall be DN40.																				
Table 7.4	Replace	32mm with 40mm (minimum size).																				

<b>Clause</b>	<b>Action</b>	<b>Variation</b>
7.8.3	Add new clause	<p><b>Sizing of Relief Vents</b></p> <p>The stack size is determined by the number of fixture units discharging at the base of the stack (refer section 7.4).</p> <p>The relief vent size is determined by:</p> <p><b>Step 1</b> Establish the stack size in Column one Table 7.5.</p> <p><b>Step 2</b> Establish relative horizontal line according to fixture units (Column 2).</p> <p><b>Step 3</b> Determine maximum developed length of vent (section 7.8.2) in metres 1 metre = 1.</p> <p><b>Step 4</b> Extend horizontally to nearest (above) figure for developed length of the vent.</p> <p><b>Step 5</b> Project upwards and read off relief vent size in headings, eg Stack size DN100 (predetermined)                      Stack F/Units discharging 450 f/units                      Developed length of Vent = 40m                      Relief vent of DN80 required.</p>
Table 7.7	Amend	Replace DN32 with DN40.
7.11.5.5(f)	Delete	
<b>SECTION EIGHT - DESIGN AND INSTALLATION SINGLE STACK AND SINGLE STACK MODIFIED SYSTEMS</b>		
Table 8.2	Amend	Delete DN80 WC pans
8.8	Add before 8	<p><b>Variations to Single Stack Systems</b></p> <p>Plumbing design for special projects must be submitted to and be authorised by the Water and Sewerage Authority prior to work commencing on site.</p> <p>The Plumbing Consultant will be responsible to ensure that all documentation and indemnities are provided prior to the authorisation of any variation to the Single Stack and Single Stack modified systems.</p>
8.8.1	Add	At the end of the first paragraph 'in New South Wales'
8.8.2(c)(vi)	Delete	WC to 80mm stack.
8.8.3(b)(vi)	Delete	WC to 80mm stack.
<b>SECTION NINE - GENERAL INSTALLATION OF PIPEWORK</b>		
9.5.2	Replace	DN25 with DN29, DN32 with DN38 to comply with minimum standards.
9.6.2.3	Add	<p><b>Note—</b></p> <p>Additional expansion joints will be required when the graded discharge pipe exceeds 12m in length.</p> <p>Maximum spacing between expansion joints is 12m.</p>

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<b>Clause</b>	<b>Action</b>	<b>Variation</b>
9.7	Add	<b>Note—</b>  UPVC material is acceptable when the temperature of the discharge does not exceed 65°C. Alternative materials or methods must be considered when the temperature of the discharge is likely to be 65°C or greater.
Fig 9.2	Amend	Delete basement connecting to drain via a reflux valve (refer 4.5.2 as amended)
<b>SECTION TEN - PUMPED DISCHARGE</b>		
10.1	Add	<b>Note—</b>  All pumping installations connecting to the Authority's drainage system are subject to a specific submission and approval prior to work commencing on the site.
10.7(h)	Amend to read	Directly to the Government Inspection Point.
10.10	Add at end	Refer to 10.1
Fig 10.2	Delete	
<b>SECTION ELEVEN - FIXTURES AND APPLIANCES</b>		
11.1	Replace note	<b>Note—</b>  "For additional details on unvented lengths of discharge pipes to floor waste gullies, disconnector gullies, vented drains, fully vented stacks, fully vented stacks (modified), single stack, and single stack (modified). Refer to Table 6.1A".
11.3.3	Add	at end. 'ablution troughs and bar sinks'
11.3.4	Add	in accordance with 6.3.4 'as amended'
11.3.7	Replace with	Sanitary flushing  'Every sanitary fixture connecting to the sewerage system shall have a water point discharging over or into it, or be supplied with a flushing apparatus in accordance with AS 3500-1.'
11.5	Add	Pressurised Chamber  Add after floor waste gully (or trapped tundish)
11.8	Amend	Basins  Delete 'except when installed as a fixture pair.'  Add. Refer Table 6.1A
11.11	Add	Bidets for method of connection refer Table 6.1A
11.12.3	Add	Dental Units for method of connection refer Table 6.1A
11.14	Amend	Food Waste Disposal Units

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<b>Clause</b>	<b>Action</b>	<b>Variation</b>
11.14.3	Add	<p>Commercial type.</p> <p>The outlet of commercial type food waste disposal unit shall connect through a 50mm untrapped waste pipe (1.2m maximum length) to the riser pipe of a 50mm sealed trap connected directly to a vented drain, soil stack or graded and vented branch pipe.</p> <p><b>Note 1—</b></p> <p>Commercial units shall incorporate an automatic programmed water flush.</p> <p><b>Note 2—</b></p> <p>Food Waste disposal units shall not discharge through a Floor Waste gully, Disconnecter Gully or Grease Arrester.</p>
11.15	Add	<p>Floor Waste Gullies</p> <p><b>Note—</b></p> <p>Floor waste gullies shall not be installed within a refrigerated coolroom or freezer room.</p>
11.16	Add	<p>Refrigerated and Deep Freeze Cabinets</p> <p>For method of connection refer Table 6.1A.</p> <p><b>Note—</b></p> <p>Tundishes shall not be installed within a refrigerated coolroom or freezer room.</p>
11.17	Delete	
11.19		<b>Sinks</b>
11.19.4	Add	<p>Potsinks. Deep bowl sinks shall connect:</p> <p>(a) through a separate 50mm trap and waste to a disconnecter gully or</p> <p>(b) through separate 50mm traps and waste pipes to a common 65mm riser pipe positioned between adjacent sinks.</p> <p><b>Note—</b></p> <p>The waste may be required to connect through a Grease Arrester or Silt trap.</p>
11.19.5	Add	<p>Laboratory Sinks</p> <p>Laboratory sinks shall connect in accordance with Table 6.1A.</p> <p><b>Note—</b></p> <p>The waste pipe may be required to be connected through a neutraliser or buffer tank.</p>
11.20.2	Amend	<p>Slophoppers</p> <p>Connection. Slophoppers shall be connected to a DN100 trap for method of connection. Refer Table 6.1A.</p>

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<b>Clause</b>	<b>Action</b>	<b>Variation</b>
11.22	Add	Tundishes  <b>Note—</b>  Care must be taken to locate wastelines and tundishes clear of freezing cabinets as waste pipes can be affected (frozen) when installed within 600mm below freezing cabinets.
11.23	Delete	
11.25.1	Add	Urinals. For method of connection refer Tables 6 and 6.1A.
11.26.3	Add	Commercial Dishwashing machines  Plans and specifications must be submitted to and be authorised by the relevant authority prior to the installation of all commercial dishwashing machines.  <b>Note—</b>  All commercial type dishwashing machines shall discharge through a Grease Arrester to a disconnecter gully.
11.28.1	Amend	DN80 to read DN100

**Table 6.1 A—Maximum length of fixture discharge pipes without venting**

Fixture	Floor waste gully	Disconnecter gully	Vented drain	Fully vented stack	Fully vented (modified)	Single stack	Single stack (modified)
	Ref. 4.6.7.3 Fig. 4.2 Table 4.4	Ref. 4.6 & Table 4.1	Ref. 3.11 Fig. 3.6 Table 3.6	Ref. 7.2.2	Ref. 7.2.3 Group Vented Branches Ref. 7.11	Ref. 8.2 Fig. 8.1 & Table 8.1	Ref. 8.5 Fig. 8.2 Table 8.2
*							
• AUTOPSY TABLE (must discharge through a flushing floor waste gully) Untrapped 50 waste	1.5	NP	NP		NP	NP	NP
• BAIN MARIE & waste boiler							
Untrapped DN40 waste	1.2	NP	NP		—	NP	NP
DN40 Trap and waste	2.5	6.5	NP		—		
• BASIN							
DN40 trap & waste	2.5	2.5	—		2.5	2.5	2.5
DN40 trap & DN50 waste	2.5	6.0	—		2.5	2.5	2.5
DN40 trap & DN65 waste	—	8.5	8.5		—	—	—
• BATH							
untrapped DN40 waste	1.2	NP	—		—	—	—

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<b>Fixture</b>	<b>Floor waste gully</b>	<b>Disconnecter gully</b>	<b>Vented drain</b>	<b>Fully vented stack</b>	<b>Fully vented (modified)</b>	<b>Single stack</b>	<b>Single stack (modified)</b>
	<b>Ref. 4.6.7.3 Fig. 4.2 Table 4.4</b>	<b>Ref. 4.6 &amp; Table 4.1</b>	<b>Ref. 3.11 Fig. 3.6 Table 3.6</b>	<b>Ref. 7.2.2</b>	<b>Ref. 7.2.3 Group Vented Branches Ref. 7.11</b>	<b>Ref. 8.2 Fig. 8.1 &amp; Table 8.1</b>	<b>Ref. 8.5 Fig. 8.2 Table 8.2</b>
				*			
DN40 trap & waste	2.5	2.5	—		2.5	2.5	2.5
DN50 trap & waste	2.5	6.0	—		2.5	2.5	2.5
DN50 trap & DN65 waste	—	8.5	8.5		—	—	—
<hr/>							
• BEDPAN washer/steriliser							
DN80 trap & waste	NP	NP	8.5		2.5	NP	NP
DN100 trap & waste	NP	NP	8.5		6.0	NP	NP
<hr/>							
• BIDETTE/BIDET							
untrapped 40 waste to sealed FWG	1.2	NP	—		—	—	—
DN40 trap & waste	NP	2.5	—		2.5	2.5	2.5
DN40 trap & DN50 waste	NP	6.0	—		2.5	2.5	2.5
DN40 trap & DN65 waste	NP	8.5	8.5		—	—	—
<hr/>							
• DENTAL UNITS							
Cuspidors DN25 or DN40 untrapped waste sealed to FW Gullies	1.2	NP	NP		—	NP	NP

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<b>Fixture</b>	<b>Floor waste gully</b>	<b>Disconnecter gully</b>	<b>Vented drain</b>	<b>Fully vented stack</b>	<b>Fully vented (modified)</b>	<b>Single stack</b>	<b>Single stack (modified)</b>
	<b>Ref. 4.6.7.3 Fig. 4.2 Table 4.4</b>	<b>Ref. 4.6 &amp; Table 4.1</b>	<b>Ref. 3.11 Fig. 3.6 Table 3.6</b>	<b>Ref. 7.2.2</b>	<b>Ref. 7.2.3 Group Vented Branches Ref. 7.11</b>	<b>Ref. 8.2 Fig. 8.1 &amp; Table 8.1</b>	<b>Ref. 8.5 Fig. 8.2 Table 8.2</b>
				*			
Evacuators (trapped tundish)	2.5	—	—		—	NP	NP
• DRINKING FOUNTAINS & Bubblers							
DN40 trap and waste	2.5	2.5	—		2.5	2.5	2.5
• DISPOSAL UNITS							
Domestic food waste DN50 trap and DN65 waste	NP	NP	8.5		—	—	—
Commercial food waste DN50 trap and DN65 waste	NP	NP	8.5		2.5	NP	NP
• DISCONNECTOR GULLY TRAPS							
100mm outlet	NP	—	10.0		6.0	NP	NP
• FLOOR WASTE GULLY TRAPS							
50 outlet	NP	6.0	—		2.5	2.5	2.5
65/80 outlet	NP	8.5	8.5		2.5	2.5	2.5

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<b>Fixture</b>	<b>Floor waste gully</b>	<b>Disconnecter gully</b>	<b>Vented drain</b>	<b>Fully vented stack</b>	<b>Fully vented (modified)</b>	<b>Single stack</b>	<b>Single stack (modified)</b>
	<b>Ref. 4.6.7.3 Fig. 4.2 Table 4.4</b>	<b>Ref. 4.6 &amp; Table 4.1</b>	<b>Ref. 3.11 Fig. 3.6 Table 3.6</b>	<b>Ref. 7.2.2</b>	<b>Ref. 7.2.3 Group Vented Branches Ref. 7.11</b>	<b>Ref. 8.2 Fig. 8.1 &amp; Table 8.1</b>	<b>Ref. 8.5 Fig. 8.2 Table 8.2</b>
* -----							
• SHOWERS							
Individual untrapped 50 waste	1.2	NP	—		—	—	—
Individual 50 trap & waste	2.5	6.0	—		2.5	2.5	2.5
Individual 50 trap & 65 waste	—	8.5	8.5		2.5	2.5	2.5
Groups (common waste as above)							
Graded channel to 50 trap & waste	—	6.0	—		2.5	—	—
Graded channel to 65 trap & waste	—	8.5	8.5		2.5	—	—
• SINKS							
<i>Kitchen</i>							
DN50 trap & waste	NP	6.0	—		2.5	2.5	2.5
DN50 trap & DN65 waste	NP	8.5	8.5		2.5	—	—
<i>Bar</i>							
untrapped DN40 waste	1.2	NP	—		—	—	—

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Fixture	Floor waste gully	Disconnecter gully	Vented drain	Fully vented stack	Fully vented (modified)	Single stack	Single stack (modified)
	Ref. 4.6.7.3 Fig. 4.2 Table 4.4	Ref. 4.6 & Table 4.1	Ref. 3.11 Fig. 3.6 Table 3.6	Ref. 7.2.2	Ref. 7.2.3 Group Vented Branches Ref. 7.11	Ref. 8.2 Fig. 8.1 & Table 8.1	Ref. 8.5 Fig. 8.2 Table 8.2
				*			
DN40 trap & waste	2.5	2.5	—		2.5	2.5	2.5
DN50 trap & waste	2.5	6.0	—		2.5	—	—
DN50 trap and DN65 waste	NP	8.5	8.5		2.5	—	—
<i>Cleaner's</i>							
untrapped DN50 waste	1.2	NP	—		—	—	—
DN50 trap & waste	2.5	6.0	—		2.5	2.5	2.5
DN50 trap & DN65 waste	—	8.5	8.5		2.5	—	—
<i>Pot or Utility</i>							
DN50 trap & waste	NP	6.0	—		2.5	NP	NP
DN50 trap & DN65 waste	NP	8.5	8.5		2.5	NP	NP
<i>Laboratory</i>							
DN50 trap & waste	NP	6.0	—		2.5	NP	NP
DN50 trap & DN65 waste	NP	8.5	8.5		2.5	—	—
• SLOP HOPPER							
100mm outlet	NP	NP	8.5		6.0	NP	NP

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<b>Fixture</b>	<b>Floor waste gully</b>	<b>Disconnecter gully</b>	<b>Vented drain</b>	<b>Fully vented stack</b>	<b>Fully vented (modified)</b>	<b>Single stack</b>	<b>Single stack (modified)</b>
	<b>Ref. 4.6.7.3 Fig. 4.2 Table 4.4</b>	<b>Ref. 4.6 &amp; Table 4.1</b>	<b>Ref. 3.11 Fig. 3.6 Table 3.6</b>	<b>Ref. 7.2.2</b>	<b>Ref. 7.2.3 Group Vented Branches Ref. 7.11</b>	<b>Ref. 8.2 Fig. 8.1 &amp; Table 8.1</b>	<b>Ref. 8.5 Fig. 8.2 Table 8.2</b>
* <hr/>							
• TROUGHS							
<i>(Ablution)</i>							
untrapped DN50 waste	1.2	NP	—		—	—	—
DN50 trap & waste	2.5	6.0	—		2.5	NP	NP
DN50 trap & DN65 waste	—	8.5	8.5		2.5	NP	NP
<i>(Laundry)</i>							
untrapped DN40 waste	1.2	NP	—		—	—	—
DN50 trap & waste	2.5	6.0	—		2.5	2.5	2.5
DN50 trap & DN65 waste	—	8.5	8.5		2.5	—	—
• URINALS							
<i>(Wall Hung)</i>							
DN50 trap & waste	NP	NP	—		2.5	2.5	2.5
DN50 trap & DN65 waste	NP	NP	8.5		2.5	2.5	2.5

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Fixture	Floor waste gully	Disconnecter gully	Vented drain	Fully vented stack	Fully vented (modified)	Single stack	Single stack (modified)
	Ref. 4.6.7.3 Fig. 4.2 Table 4.4	Ref. 4.6 & Table 4.1	Ref. 3.11 Fig. 3.6 Table 3.6	Ref. 7.2.2	Ref. 7.2.3 Group Vented Branches Ref. 7.11	Ref. 8.2 Fig. 8.1 & Table 8.1	Ref. 8.5 Fig. 8.2 Table 8.2
				*			
<i>(Slab)</i>							
up to 3m in length DN50 trap with DN50 trap & DN65 waste	NP	NP	8.5		2.5	2.5	2.5
Over 3m in length - less than 5m - 100 grate - 65 trap & waste	NP	NP	8.5		2.5	2.5	2.5
<b>Note—</b>							
more than 8 stalls of 5m or wall, additional outlets required							
• WASHING MACHINES							
<i>(Domestic clothes) hose connecting to:</i>							
Untrapped DN40 waste	1.2	NP	—		—	—	—
DN40 trap & waste	2.5	2.5	—		2.5	2.5	2.5
DN50 trap & waste	2.5	6.0	—		2.5	2.5	2.5

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<b>Fixture</b>	<b>Floor waste gully</b>	<b>Disconnecter gully</b>	<b>Vented drain</b>	<b>Fully vented stack</b>	<b>Fully vented (modified)</b>	<b>Single stack</b>	<b>Single stack (modified)</b>
	<b>Ref. 4.6.7.3 Fig. 4.2 Table 4.4</b>	<b>Ref. 4.6 &amp; Table 4.1</b>	<b>Ref. 3.11 Fig. 3.6 Table 3.6</b>	<b>Ref. 7.2.2</b>	<b>Ref. 7.2.3 Group Vented Branches Ref. 7.11</b>	<b>Ref. 8.2 Fig. 8.1 &amp; Table 8.1</b>	<b>Ref. 8.5 Fig. 8.2 Table 8.2</b>
				*			
DN50 trap & DN65 waste <i>(Commercial clothes laundrette)</i>	—	8.5	8.5		2.5		
Untrapped 50 waste	NP		—		—		
DN50 trap & waste	NP	6.0	—		2.5	NP	NP
DN50 trap & DN65 waste <i>(Industrial laundry)</i>	—	8.5	8.5		2.5	NP	NP
To graded channel & 225mm silt trap with DN100 outlet <i>(Domestic dishwasher)</i> hose connecting to riser of kitchen sink trap— W/without domestic FWD Unit	NP	8.5	NP		NP	NP	NP
DN50 sealed trap & waste	NP	6.0	—		2.5	2.5	2.5

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<b>Fixture</b>	<b>Floor waste gully</b>	<b>Disconnecter gully</b>	<b>Vented drain</b>	<b>Fully vented stack</b>	<b>Fully vented (modified)</b>	<b>Single stack</b>	<b>Single stack (modified)</b>
	<b>Ref. 4.6.7.3 Fig. 4.2 Table 4.4</b>	<b>Ref. 4.6 &amp; Table 4.1</b>	<b>Ref. 3.11 Fig. 3.6 Table 3.6</b>	<b>Ref. 7.2.2</b>	<b>Ref. 7.2.3 Group Vented Branches Ref. 7.11</b>	<b>Ref. 8.2 Fig. 8.1 &amp; Table 8.1</b>	<b>Ref. 8.5 Fig. 8.2 Table 8.2</b>
				*			
DN50 sealed trap & DN65 waste <i>(Commercial dishwasher)</i> must connect to grease arrestor	NP	8.5	8.5		2.5		
DN100 outlet <i>(Glass)</i>	NP	8.5	NP		NP	NP	NP
Untrapped 50 waste	1.2	NP	—		—	NP	NP
DN50 trap & waste	2.5	6.0	—		2.5	NP	NP
DN50 trap & DN65 waste	—	8.5	8.5		2.5	NP	NP
• POTATO PEELER must discharge through a peel trap and DN50 trap & waste	NP	NP	—		2.5	NP	NP
DN50 trap & DN65 waste	NP	NP	8.5		2.5	NP	NP
• WATER CLOSET PAN 100 outlet	NP	NP	8.5		6.0	6.0	6.0

**1.7.2004 to 30.6.2005—Public and Environmental Health (Waste Control) Regulations 1995**  
Prescribed codes exclusions and modifications—Schedule 1

Fixture	Floor waste gully	Disconnecter gully	Vented drain	Fully vented stack	Fully vented (modified)	Single stack	Single stack (modified)
	Ref. 4.6.7.3 Fig. 4.2 Table 4.4	Ref. 4.6 & Table 4.1	Ref. 3.11 Fig. 3.6 Table 3.6	Ref. 7.2.2	Ref. 7.2.3 Group Vented Branches Ref. 7.11	Ref. 8.2 Fig. 8.1 & Table 8.1	Ref. 8.5 Fig. 8.2 Table 8.2
				*			
• COMBINATION PAN ROOM SINK 100 outlet	NP	NP	8.5		6.0	NP	NP
• RANGES OF FIXTURES							
(5 Basins) DN40 traps & DN50 waste (5WC'S) 100 outlets	NP	NP	NP		4.5	4.5	4.5
'P' trap to 100mm common discharge pipe	NP	NP	NP		10.0	10.0	10.0
'S' trap to 100mm common discharge pipe	NP	NP	NP		10.0	10.0	10.0
(5 Wall hung urinals) DN50 traps to:							
65 common discharge pipe	NP	NP	NP		10.0	10.0	10.0

**Public and Environmental Health (Waste Control) Regulations 1995—1.7.2004 to 30.6.2005**

Schedule 1—Prescribed codes exclusions and modifications

<b>Fixture</b>	<b>Floor waste gully</b>	<b>Disconnecter gully</b>	<b>Vented drain</b>	<b>Fully vented stack</b>	<b>Fully vented (modified)</b>	<b>Single stack</b>	<b>Single stack (modified)</b>
	<b>Ref. 4.6.7.3 Fig. 4.2 Table 4.4</b>	<b>Ref. 4.6 &amp; Table 4.1</b>	<b>Ref. 3.11 Fig. 3.6 Table 3.6</b>	<b>Ref. 7.2.2</b>	<b>Ref. 7.2.3 Group Vented Branches Ref. 7.11</b>	<b>Ref. 8.2 Fig. 8.1 &amp; Table 8.1</b>	<b>Ref. 8.5 Fig. 8.2 Table 8.2</b>
*							
• REFRIGERATED CABINETS & STERILISERS							
Untrapped DN40 waste	1.2	NP	—		—	NP	NP
DN40 trap and waste	2.5	6.0	—		—	NP	NP
• TUNDISHES (minor discharge)							
DN25 untrapped	8.5	—	—		—	—	—
DN40 trap & waste	8.5	2.5	NP		2.5	2.5	2.5
DN50 trap & waste	8.5	6.0	NP		2.5	2.5	2.5

\* All fixtures must be vented except for top most fixture

Note 1 Topmost fixture to a stack refer 7.5.2

Note 2 Untrapped lengths not to be extended

NP = Not Permitted

## **Schedule 2—Fees**

### **Part 1—Fees applicable if the authority is a council**

#### **1—Installation or alteration of a waste control system—(other than a temporary facility)**

- (1) For the purposes of this item, the capacity of a waste control system will be taken to include (if relevant) the combined sludge scum and hydraulic loadings for both sewage and sullage waste material.
- (2) Fees payable in relation to an application for approval to install or alter a waste control system—
  - (a) if the system's capacity does not exceed 5 000 litres—\$74.50;
  - (b) if the system's capacity exceeds 5 000 litres—\$74.50, plus \$16.20 for each 1 000 litres (or part thereof) in capacity in excess of 5 000 litres,plus \$81.00 for each inspection required by the council.

#### **2—Installation or alteration of a temporary waste control system**

Fees payable in relation to an application for approval to install or alter a temporary waste control system—

- (a) if the system will service not more than 10 persons—\$33.00;
  - (b) if the system will service more than 10 persons, but not more than 100 persons—\$66.50, plus \$16.20 for each 1 000 litres (or part thereof) in capacity in excess of 5 000 litres (if any);
  - (c) if the system will service more than 100 persons—\$74.50, plus \$16.20 for each 1 000 litres (or part thereof) in capacity in excess of 5 000 litres (if any),
- plus \$81.00 for each inspection required by the council.

#### **3—Connection of waste control system to a STED scheme or sewer**

Fee payable in relation to the connection of a waste control system to a STED scheme or sewer—

- (a) existing system—\$74.50;
- (b) new system—
  - (i) if the system's capacity does not exceed 5 000 litres—\$74.50;
  - (ii) if the system's capacity exceeds 5 000 litres—\$74.50, plus \$16.20 for each 1 000 litres (or part thereof) in capacity in excess of 5 000 litres,plus \$81.00 for each inspection required by the council.

#### **4—Referral to Minister**

Fee payable if a matter must be referred to the Minister (referral fee)—\$33.00, plus \$81.00 for each inspection (if any) carried out by a person authorised by the Minister.

(A fee payable under this item is payable to the Minister but may be collected by the council on behalf of the Minister (and then forwarded to the Department).)

## **Part 2—Fees applicable if the authority is the Minister**

### **5—Matters of a kind referred to in Part 1**

In relation to a matter of a kind referred to in Part 1—the same fee that would be payable under that Part is payable to the Minister (as if the Minister were a council) (including a case where the waste control system is not the same as, but is similar to, a system that conforms with a prescribed code).

### **6—Matters of any other kind**

In any other case—\$337.00, plus, if more than one inspection is required, \$134.00 for each additional inspection required by the Minister.

## Legislative history

### Notes

- Variations of this version that are uncommenced are not incorporated into the text.
- For further information relating to the Act and subordinate legislation made under the Act see the Index of South Australian Statutes.

### Principal regulations and variations

New entries appear in bold.

Year	No	Reference	Commencement
1995	80	<i>Gazette 10.5.1995 p1802</i>	15.5.1995: r 2
1996	114	<i>Gazette 30.5.1996 p2720</i>	1.7.1996: r 2
1996	259	<i>Gazette 23.12.1996 p2262</i>	3.2.1997: r 2
1997	95	<i>Gazette 13.5.1997 p1897</i>	1.7.1997: r 2
1997	170	<i>Gazette 26.6.1997 p3258</i>	2.7.1997: r 2
1998	85	<i>Gazette 28.5.1998 p2353</i>	1.7.1998: r 2
1999	86	<i>Gazette 27.5.1999 p2863</i>	1.7.1999: r 2
2000	93	<i>Gazette 25.5.2000 p2777</i>	1.7.2000: r 2
2000	164	<i>Gazette 6.7.2000 p36</i>	6.7.2000: r 2
2001	66	<i>Gazette 31.5.2001 p1979</i>	1.7.2001: r 2
2002	53	<i>Gazette 20.6.2002 p2516</i>	1.7.2002: r 2
2003	106	<i>Gazette 29.5.2003 p2275</i>	1.7.2003: r 2
<b>2004</b>	<b>79</b>	<b><i>Gazette 27.5.2004 p1526</i></b>	<b>1.7.2004: r 2</b>
2005	48	<i>Gazette 26.5.2005 p1389</i>	1.7.2005: r 2
2005	154	<i>Gazette 30.6.2005 p2239</i>	Pt 9 (r 14)—1.7.2005: r 2

### Provisions varied

New entries appear in bold.

Entries that relate to provisions that have been deleted appear in italics.

Provision	How varied	Commencement
Pt 1		
r 2	<i>omitted under the Legislation Revision and Publication Act 2002</i>	<i>1.7.2004</i>
r 3		
r 3(2)	varied by 164/2000 r 3	6.7.2000
r 4		
r 4(3)	varied by 164/2000 r 4	6.7.2000
Pt 2		
Div 1		
r 6		
r 6(1)	varied by 164/2000 r 5(a)	6.7.2000

**Public and Environmental Health (Waste Control) Regulations 1995—1.7.2004 to 30.6.2005**

## Legislative history

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r 6(2)	varied by 164/2000 r 5(b), (c)	6.7.2000
r 6(3)	substituted by 164/2000 r 5(d)	6.7.2000
r 6(4)	varied by 164/2000 r 5(e)	6.7.2000
Div 2		
rr 7—11	varied by 259/1996 r 3 (Sch cl 21)	3.2.1997
Div 3		
r 12		
r 12(1)	varied by 164/2000 r 6	6.7.2000
r 12(6)	varied by 259/1996 r 3 (Sch cl 21)	3.2.1997
r 12A	inserted by 170/1997 r 3	2.7.1997
r 13		
r 13(7)	varied by 259/1996 r 3 (Sch cl 21)	3.2.1997
Pt 3		
Div 1		
r 17		
r 17(2)	varied by 259/1996 r 3 (Sch cl 21)	3.2.1997
r 18		
r 18(3)	varied by 259/1996 r 3 (Sch cl 21)	3.2.1997
Div 2		
r 19		
r 19(4)	varied by 259/1996 r 3 (Sch cl 21)	3.2.1997
Pt 4		
r 20	varied by 164/2000 r 7	6.7.2000
r 22		
r 22(2)	varied by 164/2000 r 8	6.7.2000
r 23		
r 23(1) and (2)	varied by 259/1996 r 3 (Sch cl 21)	3.2.1997
r 24		
r 24(1)—(4)	varied by 164/2000 r 9	6.7.2000
r 24(5)	varied by 259/1996 r 3 (Sch cl 21)	3.2.1997
r 26	<i>deleted by 259/1996 r 3 (Sch cl 21)</i>	3.2.1997
<i>Sch 2 before substitution by 79/2004</i>	<i>substituted by 114/1996 r 3</i>	1.7.1996
	<i>substituted by 95/1997 r 3</i>	1.7.1997
	<i>substituted by 85/1998 r 3</i>	1.7.1998
	<i>substituted by 86/1999 r 3</i>	1.7.1999
	<i>substituted by 93/2000 r 3</i>	1.7.2000
	<i>varied by 164/2000 r 10</i>	6.7.2000
	<i>varied by 66/2001 r 3</i>	1.7.2001
	<i>varied by 53/2002 r 3</i>	1.7.2002
	<i>varied by 106/2003 r 4</i>	1.7.2003
<b>Sch 2</b>	<b>substituted by 79/2004 r 4</b>	<b>1.7.2004</b>

## Transitional etc provisions associated with regulations or variations

### *Regulations Variation (Common Expiation Scheme) Regulations 1996 (No 259 of 1996)*

#### 4—Transitional provision

A regulation varied or revoked by these regulations will continue to apply (as in force immediately prior to the variation or revocation coming into operation) to an expiation notice issued under the varied or revoked regulations.

## Appendix—Divisional penalties and expiation fees

At the date of publication of this reprint divisional penalties and expiation fees are, as provided by section 28A of the *Acts Interpretation Act 1915*, as follows:

Division	Maximum imprisonment	Maximum fine	Expiation fee
1	15 years	\$60 000	—
2	10 years	\$40 000	—
3	7 years	\$30 000	—
4	4 years	\$15 000	—
5	2 years	\$8 000	—
6	1 year	\$4 000	\$300
7	6 months	\$2 000	\$200
8	3 months	\$1 000	\$150
9	—	\$500	\$100
10	—	\$200	\$75
11	—	\$100	\$50
12	—	\$50	\$25

*Note: This appendix is provided for convenience of reference only.*