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STATE RIVERS AND WATER SUPPLY  
COMMISSION.

BY-LAW No. 5224, WATERWORKS DISTRICTS AND URBAN  
DISTRICTS.

THE State Rivers and Water Supply Commission, in pursuance and exercise of the powers conferred by the Water Acts, doth hereby make the By-law following:—

1. This By-law shall apply to and have force in the Bellarine Peninsula, Mornington Peninsula, and Otway Waterworks Districts, the Allansford, Anglesea, Antwerp, Barwon Heads—Ocean Grove, Berriwillock, Berwick, Beulah, Birchip, Birregurra, Bittern—Crib Point, Brim, Bunyip, Camperdown, Carwarp, Chelsea—Frankston, Chillingollah, Chinkapook, Cobden, Cohuna, Corop, Cranbourne, Culgoa, Dandenong—Springvale, Dimboola, Dinglee, Dooen, Dromana—Portsea, Drysdale, Eildon, Elphinstone, Garfield, Hastings, Heyfield, Hopetoun, Jeparit, Jung Jung, Koondrook, Lake Boga, Lalbert, Lascelles, Leitchville, Lockington, Longwarry, Macorna, Manangatang, Marnoo, Marong, Merbein, Meringur, Minyip, Mitiamo, Mornington, Murrabit, Nandaly, Natimuk, Newstead, Nullawil, Nyah, Nyah West, Ouyen, Pakenham, Patchewollock, Piangil, Pimpinio, Portarlinton, Pyramid Hill, Quambatook, Queenscliff—Point Lonsdale, Rainbow, Red Cliffs, Robinvale, Rupanyup, Sea Lake, Somerville, South Frankston, Speed, Stanhope, Tallygaroopna, Tempy, Terang, Torquay, Ultima, Waitchie, Walpeup, Watchem, Werrimull, Wonthaggi, Woomelang, Woorinen, Wycheproof, and Yaapeet Urban Districts and the District supplied with water from the Coliban System of Waterworks.

2. All previous By-laws and Regulations relating to the subject-matter herein shall be and the same are hereby revoked but not so as to relieve, discharge, or absolve any person from liability to pay any rate or charge made in accordance with the provisions of the revoked By-laws or Regulations for payment of which rate or charge such person may have become

liable prior to or at the date of this By-law coming into operation; or to abrogate or diminish the power of the said Commission to recover and enforce payment of any such rate or charge; or to annul or stay any proceedings taken or business initiated as in conformity with the provisions of the By-laws or Regulations hereby revoked prior to the date of this By-law coming into operation, but the same respectively may be continued and carried to completion.

#### INTERPRETATION.

Definitions. 3. In this By-law unless inconsistent with the context or subject-matter—

“The Act” means the Water Acts.

“Commission” means the State Rivers and Water Supply Commission.

“Proper Officer” means any employee of the Commission authorized by the Commission to act as a proper officer for the purposes of this By-law.

“Person” includes a corporation or company.

“Licensed Plumber” means a person duly licensed by the Commission as a plumber for the purposes of this By-law.

“Main Pipe” means any pipe belonging to or under the control of the Commission and used for the conveying and supplying of water.

“Aqueduct” means any constructed channel, the property of the Commission for conveying water not under pressure from place to place.

“Service Pipe” means and includes each and every pipe (not being a main pipe) and fitting used in connexion with the supply of water from a main pipe or aqueduct to a tenement or in connexion with the use or consumption of such water in or on such tenement.

“Fittings” includes all appliances and things whatsoever, other than pipes, used in connexion with the conveying supplying storing or regulation of the flow of water in or derived from a main pipe or service pipe.

“Works” means works of or in connexion with the laying constructing altering disconnecting removing repairing renewing or maintaining of a service pipe.

“Tenement” includes land whether built upon or not.

“District” means any area under the jurisdiction of the Commission.

“Municipality” includes the City of Geelong.

All words used in this By-law which are also used in the Act shall have the meanings assigned to them by the Act.

#### LICENSING OF PLUMBERS.

Unlicensed persons not to interfere with pipes, or services.

4. Before any person shall affix any service pipe to any main pipe or aqueduct or alter, repair or in any manner interfere with any main pipe or with any service pipe or meter connected with any main pipe or aqueduct, he shall obtain from the Commission a licence in that behalf to execute such works, and no unlicensed person shall affix alter repair or in any manner interfere with any such main pipe service pipe or meter.

Proof of fitness to be given.

5. Before any licence shall be granted by the Commission the person applying for such licence shall satisfy the Commission by any tests required by the Commission or by virtue of his registration by the Plumbers and Gasfitters Board of Victoria that he is

a competent plumber and that he is thoroughly conversant with the provisions of the By-laws of the Commission relating to water supply and with the Act so far as it applies to town supplies. The Commission may, if it so sees fit, refuse to grant such licence.

Any person granted such a licence is deemed to be a licensed plumber within the meaning of this By-law.

6. Each licence shall be for the period ending 31st December next ensuing after the issue thereof, but may be renewed by the Commission at its discretion from time to time in each case to the following 31st December. The Commission shall have power at any time to suspend or cancel a licence in the event of the holder thereof performing his work in an unsatisfactory manner or committing any breach of the Act or of this By-law, and in such matters the Commission shall be sole judge. For each original licence the licensee shall pay to the Commission a fee of One pound, and for each renewal Five shillings.

Period of  
licences.  
Cancellation  
of licences.  
Fees payable.

If a licence is allowed to lapse for a period of four years or more a new licence shall be issued only after the payment of a fee of One pound.

7. A licence issued in conformity with the provisions of this By-law shall not authorize the holder thereof to do any kind of work connected with the sanitary fittings of houses or the sewerage systems of the Commission.

Licence to  
plumbers  
under this  
By-law not to  
apply to  
sewerage.

#### CARRYING OUT OF PLUMBING WORK.

8. Every licensed plumber shall in carrying out any work of water supply—

- (a) Execute the work in accordance with the provisions of the Act and of the By-laws of the Commission and any special directions or orders given or issued by the Commission or its Proper Officer; and
- (b) execute the work in a thorough and expeditious manner to the satisfaction of the Proper Officer; and
- (c) use materials of the description quality kind and standard prescribed by this By-law; and
- (d) employ only competent operatives and assistants;
- (e) obtain permission, where necessary, for the execution of the work on, over or through any private property, or any street road park reserve or other public place or property; and
- (f) pay all fees payable to a municipality for the opening of any public road or street or otherwise in connexion with the works; and
- (g) restore upon completion of the work any part of any public road or streets to the satisfaction of the municipal council or other authority having control thereof; and
- (h) except where authorized in writing by the owner or his agent to omit restoration, restore any other property interfered with by the work to the satisfaction of the Proper Officer; and
- (i) take all proper and necessary precautions so that no accident, damage or unnecessary inconvenience may be directly or indirectly occasioned by the execution of the work; and
- (j) to exercise at all times immediate supervision over the work.

9. (a) No licensed plumber shall carry out any work of water supply unless he has signed the appropriate notice required by this By-law to be given in respect of such work: Provided however nothing herein shall prevent a licensed plumber carrying out works at the direction of another licensed plumber who himself has signed the appropriate notice.

(b) A licensed plumber who has signed any notice with respect to the carrying out of any work of water supply shall not permit any other person not in his employ or under his direction to carry out such work unless he shall have first notified the Commission of his intention not to carry out such work.

#### CONSTRUCTION AND ARRANGEMENT OF WORKS.

#### 10. No person shall execute any works—

Notice of  
works to be  
given.

(a) without having given to the Commission not less than two days prior to the commencement of the execution of such works—

(i) Notice in writing of his intention so to do specifying the tenement in on or in respect of which it is proposed to execute the works and the time or times (being between the hours of 8 a.m. and 5 p.m. on any week day except a public holiday or a Saturday) during which it is proposed the work will be accessible for inspection by the Proper Officer.

(ii) A general specification in writing of the works proposed to be done setting out the mode form material construction dimensions and arrangement of all pipes, fittings and structures intended to be used in the execution of such works.

(iii) In the case of every service pipe of diameter larger than 2 inches a properly prepared plan drawn to a scale specified thereon of the premises in on or in respect of which it is proposed to execute the said works showing thereon all buildings and structures on the said premises and the proposed arrangement of all pipes and other works which it is proposed to lay or construct therein or thereon.

Every notice specification and plan shall be signed by the licensed plumber actually engaged to carry out the works referred to in the notice.

(b) Contrary to or not in conformity with this By-law or such notice specification and plan mentioned in sub-paragraphs (i), (ii) and (iii) of paragraph (a) of this clause.

Urgent  
repairs.

(c) Should urgent repairs be required to prevent the waste or escape of water a licensed plumber may execute such repairs without giving written notice of the required duration prescribed in paragraph (a) hereof provided that such notice is given before commencing the repairs or if the Proper Officer upon application consents to the immediate commencement of repairs such notice is lodged within twenty-four hours of such commencement.

11. Each licensed plumber shall give written notice to the Proper Officer of the completion of any new work extensions or repairs in connexion with any service pipe within twenty-four hours of effecting same.

**SERVICE PIPES AND TAPPINGS.**

12. (a) Every service pipe between a main pipe and the building line, or if a meter is fixed, between a main pipe and the meter, shall have a nominal bore of not less than  $\frac{3}{4}$ -inch diameter.

(b) The size of a service pipe for the supply of water for domestic and ordinary purposes to any tenement other than a building occupied as business premises or as flats or as a place of public recreation or entertainment or by an institution shall be in accordance with the following Table:—

Net Annual Valuation of Property.	Area of Tenement.	Maximum Diameter of Service Pipe in Inches.
Not over £150	Not more than 1,000 sq. yds.	$\frac{3}{4}$
Over £150 but not more than £300	If more than 1,000 sq. yds.	1
	If less than 3,000 sq. yds.	1
Over £300 but not more than £500	If more than 3,000 sq. yds.	$1\frac{1}{4}$
	If less than 3,000 sq. yds.	$1\frac{1}{4}$
Over £500 but not more than £1,000	.. .. .	$1\frac{1}{2}$
	.. .. .	$1\frac{1}{2}$
Over £1,000	.. .. .	2

Provided however that where the supply of water is in the opinion of the Commission insufficient to meet the normal demands of the tenements in the vicinity the sizes of service pipes to be laid to connect such tenements to a main pipe will be determined by the Commission irrespective of the valuations or areas of such tenements.

(c) The size of any service pipe approved for the supply of water for any business premises flats place of public recreation or entertainment or institution or for other than domestic and ordinary purposes shall be determined by the Commission.

13. The licensed plumber shall ensure that each service pipe be laid in such a manner that—

(a) For the portion of its length as lies in or on private property it shall be at a depth of not less than 12 inches below ground level or securely clipped to a structure (meter bends excluded).

(b) For such other portion of its length as lies in or on any road or thoroughfare or where it may be exposed to vehicular traffic it shall be at all points at a depth of not less than 18 inches below the surface of the ground or at such greater depth as the municipality having control of the said road or thoroughfare may require.

14. (a) A service pipe shall, unless comprised of copper piping and copper or brass fittings, be laid in such manner that every part of the service pipe is easily accessible for the purposes of inspection, repair and renewal.

(b) No person shall erect or construct any building or structure in such manner that any part of a service pipe is made inaccessible for the purposes of inspection repair and renewal unless such part of the service pipe is comprised of copper piping and brass or copper fittings.

Cross  
connexions.

15. No person shall permit any fluid solid or gas, which in the opinion of the Proper Officer is capable of polluting water supplied by the Commission to have means of access to any pipe in communication directly or indirectly with any main pipe.

16. Where any service pipe is discharging into any cistern tank or receptacle used for the storage of water or fluid, there shall be an effective air gap at the outlet of the service pipe and the said outlet shall be not less than one-half inch above the highest possible water level in the said cistern tank or receptacle.

No connexion will be permitted between the outlet piping from any cistern tank or other receptacle and the service pipe directly connected with a main pipe or aqueduct.

Connexions  
to steam  
boilers.

17. Water supply connexions to steam boilers shall be made as follows:—

(a) By direct connexion from a service pipe, in which case a screw-down high-pressure stop-tap with its spindle vertically upwards shall be fixed on the piping supplying water to a boiler; a vertically acting reflux valve shall be fixed between the stop-tap and the boiler and a half-inch testing ferrule or bib-tap shall be fixed between the reflux valve and the stop-tap; or

(b) By direct connexion from a service pipe together with an injected supply from a storage tank or condensate sump in which case, in addition to the provisions of paragraph (a) hereof, the injected water to a boiler shall be taken through a separate opening in the wall of the boiler. In no circumstances shall a connexion be permitted between any service pipe and the piping from a storage tank or condensate sump.

Water connexions may be made through the top or side of a steam boiler.

Specification  
for piping  
and  
materials.

18. (a) That part of any service pipe (including any bend, elbow or other fitting therefor) which extends in a thoroughfare from an aqueduct, main pipe or private-extension (as hereinafter defined in clause 21 (a)), to and including the high-pressure screw-down stop-tap required to be fixed pursuant to clause 26 hereof, and all meter connexions shall, save where the Commission, in writing, may otherwise permit, be of the materials hereinafter set forth, that is to say:—

(i) Where the diameter of the service pipe is 2 inches or less—copper (with brass fittings).

(ii) Where the diameter of the service pipe is greater than 2 inches—copper, galvanized iron, asbestos cement, cast iron, or other materials approved by the Commission.

(b) (i) That part of any service pipe (including any bend, elbow, or other fitting therefor) which does not extend in a thoroughfare from an aqueduct, main pipe or private extension, to and including the high-pressure screw-down tap required to be fixed pursuant to clause 26 hereof and all meter connexions.

(ii) That part of any service pipe (including any bend, elbow, or other fitting thereof) which extends in a tenement from the high-pressure screw-down stop-tap required to be fixed pursuant to clause 26 hereof.

(iii) All private extensions (including any bend, elbow or other fitting therefor) whether in a thoroughfare or not, shall, save where the Commission, in writing, may otherwise permit, be of the materials hereinafter set forth:—

Copper, galvanized iron, asbestos cement, cast iron, or other materials approved by the Commission.

(c) All materials pipes bends junctions fittings and apparatus shall be of the best quality of their respective kinds, sound new and free from defects, of the kind and standard approved by the Commission.

(d) All pipes shall be true in sectional form, straight longitudinally and clear in bore.

(e) All pipes and fittings for use either inside or outside the tenement shall be tested in accordance with the requirements of the specifications of the Standards Association of Australia.

(f) All stop-taps and bib-taps shall be screw-down high-pressure taps made of hard brass or gun-metal.

(g) Copper piping shall comply with the specification of the Australian Standards for non-ferrous tubes and fittings and shall be of the following diameters and dimensions:—

Copper pipes suitable for expanded and other approved Compression fittings and for capillary and bronze-welded joints—

Nominal Bore of Pipe in Inches.	External Diameter of Pipe in Inches.	Nominal Wall Thickness S.W.G.
1/8	1/8	18
3/16	3/16	16
1/4	1/4	16
5/16	5/16	16
3/8	3/8	16
7/16	7/16	14
1/2	1/2	14
5/8	5/8	14
3/4	3/4	12

Copper pipes suitable for screwed connexions:—

Nominal Bore of Pipe in Inches.	Nominal External Diameter of Pipe in Inches.	Wall Thickness S.W.G.	B.S.P.T. Inch.
1/8	19/16	13	1/8
3/16	1 1/32	13	3/16
1/4	1 9/32	12	1/4
5/16	1 1/8	12	5/16
3/8	1 1/4	12	3/8
7/16	1 5/8	11	7/16
1/2	2 1/16	11	1/2
5/8	2 1/8	11	5/8
3/4	3 1/16	10	3/4

(h) Galvanized iron piping shall comply with the specification of the Australian Standard for steel tubes and tubulars and shall be of the following diameters and dimensions:—

Nominal Bore of Pipe in Inches.	Approximate Outside Diameter in Inches.	Thickness.		Sockets.	
		S.W.G.	Inches.	Approximate Outside Inches.	Minimum Length in Inches.
1/8	37/32	12	.104	13/32	1 1/8
3/16	1 1/16	11	.116	1 1/32	1 1/4
1/4	1 1/32	10	.128	1 1/16	1 3/8
5/16	1 1/8	9	.144	2 1/32	2 1/8
3/8	1 3/8	8	.160	2 5/32	2 1/4
7/16	2 1/8	8	.160	2 11/32	2 3/8
1/2	3	7	.176	3 7/16	2 3/4
5/8	3 1/4	7	.176	4	3
3/4	4	7	.176	4 1/2	3 1/4
7/8	4 1/2	7	.176	5 1/4	3 1/2
1	5 1/4	7	.176	6 1/8	3 3/4
1 1/8	6 1/4	7	.176	7 1/4	4 1/4

Service pipe joints. 19. All service pipe joints shall be made as follows:—

*For Cast-iron Pipes* .. Flanged or Gibault thimble joints, poured and caulked lead joints and socketed and rubber ring joints.

*For Asbestos Cement Pipes* .. Gibault thimble joints, socketed and rubber ring joints.

*For Copper Pipes* .. Yarned and screwed, flanged and compression joints for service pipes in thoroughfares and inside properties. Capillary joints with approved fittings and bronze-welded joints with approved weldable fittings may be used for service pipes inside properties only.

*For Galvanized Pipes* .. Yarned and screwed joints and flanged joints.

*For Welded Mild Steel-coated Pipes* .. Flanged joints, poured and caulked lead joints, and welded joints.

One service to each tenement. 20. (a) One service pipe only shall be used for domestic and ordinary supply to each tenement.

(b) Except with the permission in writing of the Commission, not more than one tenement shall be supplied from a single service pipe.

(c) For supply of water for other than domestic and ordinary purposes, the number of service pipes per tenement shall be as determined by the Commission.

Private extensions. 21. (a) The Commission may give permission in special cases for a water supply to one or more than one tenement not fronting a main pipe or aqueduct to pass from the main pipe or aqueduct through a private service pipe (herein called a "private extension").

(b) The piping of a private extension if laid or renewed in a public thoroughfare shall be in a line parallel with the boundary thereof and at a distance from the building line as determined by the municipality having control of the said thoroughfare or the Commission.

The stop-tap ferrule shall be fixed in the main pipe so that the piping from it is at right angles to such pipe and a stop-tap must be fixed in the thoroughfare on the private extension at the building line.

(c) A separate service pipe in compliance with all relevant clauses of this By-law must be laid from such private extension to each tenement served.

(d) Where any such private extension is laid through private property not in the same ownership as the tenement served, each consumer served by such private extension shall obtain an easement or other registrable right over the land on which the private extension is constructed, or the written permission of the owner of the said land for the installation and maintenance of the private extension.

Private extensions to remain at Commission's pleasure. 22. (a) Any permission granted by the Commission to supply a tenement with water by means of a private extension affixed to a main pipe or aqueduct may be revoked at the pleasure of the Commission.

(b) Where any such permission is revoked the owner shall disconnect such private extension from the main pipe or aqueduct.



(c) If the owner fails to so disconnect this private extension within the period prescribed by the Commission, the Commission may disconnect such service.

(d) The owner shall be liable to the Commission for all costs and expenses incurred under this clause, and all such costs and expenses may be recoverable by the Commission as a debt in any court of competent jurisdiction.

**CONNEXIONS TO MAINS.**

23. A connexion to a main pipe or aqueduct shall be in accordance with the following:—

(a) Connexion to a reticulation main pipe shall—

(i) in the case of a connexion with 2-in. diameter service pipe or over to a reticulation main pipe of 5-in. or under and in the case of a connexion of 3-in. diameter service pipe or over to a reticulation main pipe of 6-in. diameter or over be by means of the insertion of a branch and valve.

(ii) in all other cases be by means of a stop-tap ferrule and a right angle bend of copper alloy as approved by the Proper Officer.

(b) Connexion to all other main pipes shall, as directed by the Commission be:—

(i) by means of a tapping pad and ferrule; or

(ii) by means of a saddle or tapping arm and valve.

(c) Connexion to an aqueduct shall as directed by the Commission be—

(i) by means of a pipe laid through the wall of the aqueduct.

(ii) by means of a siphon pipe laid over the wall of the aqueduct; or

(iii) by means of a pipe conveying a pumped supply through or over the wall of the aqueduct.

24. (a) The maximum diameters of tappings that will be permitted for main pipes of the respective diameters set out hereunder, and for cases where the tapping is made with or without a tapping saddle, are as follows:—

Diameter of Mainpipe in Inches.	Maximum Diameter of Tapping in Inches.	
	Without Tapping Saddle (Cast-iron Mainpipes Only).	With Tapping Saddle.
3	$\frac{3}{4}$	$1\frac{1}{2}$
4	$\frac{3}{4}$	$1\frac{1}{2}$
5	1	$1\frac{1}{2}$
6	1	$2\frac{1}{2}$
7	1	$2\frac{1}{2}$
8	$1\frac{1}{4}$	$2\frac{1}{2}$
9	$1\frac{1}{4}$	$2\frac{1}{2}$
Over 9	2	$2\frac{1}{2}$

The diameter of the drill that shall be used for cutting holes in main pipes where tapping saddles are fixed shall be as follows:—

Size of Service in inches.	Size of Drill in inches.
$\frac{3}{4}$	$\frac{1}{2}$
1	$\frac{3}{4}$
$1\frac{1}{4}$	1
$1\frac{1}{2}$	1
2	$1\frac{1}{4}$
$2\frac{1}{2}$	$1\frac{1}{2}$

**Tapping, &c., under pressure.** (b) Tapping or plugging of main pipe-lines and alterations to main ferrule stop-tap where made under pressure shall be made by or under the direction of the Proper Officer; excavations for any such work shall be the responsibility of the licensed plumber and be of sufficient dimensions so as to enable the work conveniently to be carried out.

**Tapping fees.** 25. No person shall affix or connect any service pipe to any main pipe without having first paid to the Commission the required tapping fee as fixed from time to time by the Commission.

**Position of stop-taps.** 26. (a) A high-pressure screw down stop-tap properly secured shall be fixed on each service pipe in one of the following positions:—

- (i) between the main pipe and the building line within one foot of the building line, and in this case the stop-tap shall be covered by a box which shall comply with the requirements of the municipality in which the service pipe is laid.
- (ii) where a meter is fixed, between the meter and the inlet bend thereto.
- (iii) where a meter is not fixed, on the service pipe above the ground in an accessible position not more than six feet inside the building line.

(b) Where with the approval of the Proper Officer, a meter is fixed inside a building, a stop-tap must be fixed in an approved position on the outlet side of the meter; in addition to that required under sub-clause (a) of this By-law.

(c) In addition to the stop-taps required under paragraphs (a) and (b) of this Clause, an additional stop-tap will be required on all service pipes connected to private extensions, at a point on the service pipe 9 inches from the private extension.

27. Except where otherwise permitted by the Commission, every stop-tap and stop-tap ferrule must be opposite the tenement supplied and the service pipe, stop-tap and meter shall be laid from the stop-tap ferrule in a straight line and at right angles to the building line.

28. Where any service pipe does not enter the tenement supplied at a point opposite to the point on the main pipe to which the service pipe is connected, an iron box and riser of approved pattern shall be fixed over the stop-tap ferrule in the main pipe and a high-pressure screw-down stop-tap with an approved cover shall be fixed on the service pipe at each subsequent change of direction of pipe and an additional stop-tap shall be fixed in accordance with Clause 26 of this By-law or where otherwise permitted by the Commission.

#### REPAIRS.

**Repair service pipes.** 29. Every person supplied with water through a service pipe shall at all times keep the pipe in proper repair.

**Commission can repair service pipe in certain circumstances.** 30. If any person refuses neglects or delays to have any service pipe used by him properly repaired after having been required in writing by the Proper Officer so to do the Commission by its Proper Officers servants or agents may enter into or upon any tenement supplied by such service pipe and so as to prevent the waste of water may temporarily cut off the supply of water to such tenement and where necessary repair or renew such service pipe and may charge the owner with the costs and expenses of such repair or renewal and such costs and expenses shall be a debt due by the owner to the Commission which may be recovered by the Commission as a debt in any court of competent jurisdiction.

## METERS.

31. (a) Except as permitted in Clause 46 of this By-law no person shall use any service pipe save for the supply of water for domestic and ordinary purposes unless the whole of the water supplied to such service pipe passes through a meter. Meters supplied and maintained.

(b) All meters will be provided and maintained by the Commission and every licensed plumber before installing a service pipe shall ascertain from the Proper Officer the size of meter to be installed and shall make provision in the arrangement and construction of the service pipe for connexion of such meter in accordance with the following requirements— Installation of meter.

- (i) The meter shall be located within the property and not more than six feet from the building line.
- (ii) The meter shall be in an easily accessible position protected from accidental damage.
- (iii) The meter shall be properly and securely affixed to such service pipe by means of connexions of quarter bends of brass copper or copper alloy.
- (iv) The meter shall be fixed truly level on a solid foundation of brick stone or concrete the top of which foundation is level with or above the surface of the ground. With the consent of the Proper Officer a meter may be fixed in a pit properly constructed and effectively drained.
- (v) All washers used for connexion couplings for meters shall be made of leather or other material approved by the Commission.

(c) Pending supply of the said meter the licensed plumber authorised to install the service pipe shall connect a distance piece in the service pipe in place of the meter.

32. No person shall construct place stack or store or permit or suffer to be constructed placed stacked or stored any building erection material or thing over or upon any meter connected or affixed to any service pipe or shall do or permit or suffer to be done any act matter or thing whereby inspection of such meter shall be prevented obstructed or in any way rendered difficult or interfered with. Restriction of access to meter.

33. Every owner or occupier of a tenement who has a Commission water meter fixed on a service pipe to measure the quantity of water supplied from a main pipe or aqueduct shall be responsible for the safe custody of the said meter and if it is stolen from the service pipe he shall pay to the Commission the cost of the meter or if it is wilfully or negligently damaged while fixed on the service pipe he shall pay to the Commission the cost of repairing the damage. The owner or occupier of the tenement shall immediately notify the Commission of any damage to a meter. Safe custody of meter.

34. (a) The Commission may at any time replace or remove for test any meter attached to any service pipe. Replacement and testing of meter.

(b) Any consumer may at any time request the Commission in writing to test any meter attached to his service and through which water supplied to him passes and shall at the time of the delivery of such request pay such sum of money as fixed from time to time by the Commission for this purpose. The Commission shall thereupon remove and test the meter or cause the same to be tested in such manner as it thinks fit. If such meter is found to be registering correctly within the Commission's specification Fees returned in certain circumstances.

the Commission may retain the said sum of money in satisfaction of the fee for testing meter hereinbefore prescribed but if such meter is found to be registering incorrectly the said sum of money shall be returned to the consumer.

Testing large meters in position.

35. Except where otherwise permitted by the Commission provision must be made by the owner of the tenement served for testing in position meters of 2-in. size or larger sizes by fixing a stop-tap or valve on the outlet side of the meter, with a stop-tap ferrule between the stop-tap or valve and the meter. No branches shall be taken off between the stop-tap or valve and the meter. The sizes of the stop-tap ferrules must be as follows:—

- For 2-in. and 3-in. . . . . ¾-in.
- For 4-in. meters . . . . . 1-in.
- For meters larger than 4-in. . . 1½-in.

Consumer leaving tenement to notify Commission.

36. Every person who ceases to occupy a tenement on which a meter is fixed shall give to the Commission in writing at least six days notice of his intention to do so.

MISUSE AND WASTE OF WATER.

Wasting of water.

37. No person supplied with water by the Commission shall waste the water or permit or suffer it to run to waste.

Sale of water.

38. No person shall take or carry away or permit or suffer any other person to take or carry away any water from a tenement supplied with water by the Commission and no person shall sell any water supplied by the Commission.

Fire Brigades.

39. No person other than a servant or agent of a Municipality or a Fire Brigade in the execution of his duty as such servant or agent shall without the written permission of the Commission open close or otherwise interfere with any hydrant attached to a main pipe.

Taps in parks and reserves.

40. No person other than a servant or agent of the Municipality Corporation or body having the care and management of a public park public garden or reserve for public purposes shall without the previous consent of the Commission open close or otherwise interfere with any tap, valve or other like regulator (except a drinking fountain or other tap provided for public use) in or connected with any service pipe used for the supply of water to such park, garden or reserve.

CONNEXIONS TO STORAGE TANKS, BATHS, ETC.

Cisterns, tanks, and troughs.

41. (a) No person shall fix a storage tank to a service pipe unless in accordance with the following requirements:—

- (i) The storage tank shall be provided with a ball-tap, overflow pipe and cover,
- (ii) The supply of water to the ball-tap shall be controlled by a stop-tap connected to the ball-valve by a flexible copper pipe,
- (iii) The cold water feed into a storage tank shall be at least ½-in. above the top of the overflow from the tank.
- (iv) The overflow pipe shall be of galvanised sheet iron with soldered joints and shall be at least 1½-in. in diameter, and all other parts of such tank shall be made of approved materials,
- (v) The storage tank and the connexions thereto shall be situate in an accessible position.

(b) Where a storage tank is installed between the roof and the ceiling of any building there shall be fixed beneath such tank a tray constructed of approved material and with an overflow pipe of at least 2-in. in diameter constructed of galvanised sheet iron with soldered joints.

(c) An overflow pipe whether from a storage tank or from a tray or from a storage tank and a tray shall be so constructed as to discharge outside the building in which the storage tank is situate in such a manner that the discharge, if any, therefrom may be readily discernible.

42. No service pipe shall be used for the purpose of <sup>Baths.</sup> supplying water to any bath capable of containing more than 100 gallons of water without the written approval of the Commission first obtained.

43. No person shall affix an overflow pipe to any bath.

44. No person shall connect a service pipe directly <sup>Water closets</sup> or indirectly to or supply water to any urinal or water <sup>and urinals.</sup> closet save through a cistern or tank.

#### FIRE SERVICES.

45. (a) Private fire services without meters may be <sup>Private fire</sup> permitted at the expense of the owner of a tenement <sup>services.</sup> subject to the written approval of the Commission and to the payment of the annual fee fixed from time to time by the Commission. Every such fire service shall be sealed. Except in case of fire no person shall without the authority of the Commission wilfully break the seal affixed to any private fire service and in the event of any such seal having been broken accidentally or otherwise the occupier of the tenement shall within twenty-four hours thereafter give notice in writing of the fact at the nearest office of the Commission, and except in the case of a fire he shall pay a resealing fee equal to the annual fee. No water shall be taken from any sealed portion of a private fire service except for extinction of fire.

(b) Except as expressly provided in Sub-clause (a) of this Clause all portions of service pipes installed for fire service purposes shall comply with all the provisions of this By-law.

(c) Every hydrant fixed to a private fire service pipe shall be in a conspicuous position and shall be painted by the owner with a distinguishing coating of bright red paint which shall be maintained by him at all times.

(d) Any application for fire service shall be made by the owner of the tenement in writing to the Commissioner.

(e) In the event of the owner or occupier of a tenement committing any offence under this Clause or permitting or suffering any such offence or breach to be committed the Commission may by notice in writing to the owner withdraw permission for the private fire service and such service shall thereupon be disconnected by the occupier.

#### GENERAL.

46. Any service pipe laid in accordance with the provisions of the Act and By-laws in force at the time <sup>Existing</sup> of the laying of the pipe shall be deemed to have been <sup>service pipes.</sup> laid in accordance with the provisions of this By-law but every renewal alteration addition or replacement thereof or thereto shall be effected in accordance with the provisions of this By-law.

47. For any service pipe from a main pipe or an <sup>Additional</sup> aqueduct in which the supply of water is intermittent <sup>storage.</sup> or where a consumer at any time requires considerably more than the normal demand from a main pipe, the Commission may direct as a condition of the giving of such supply that the consumer shall at his own cost provide such means of storage as will be sufficient to supplement his supply of water during such periods.

## INSPECTIONS.

**Inspections.** 48. Any person authorised by the Commission in that behalf either generally or for any class of cases or in any particular case may at all reasonable times—

(a) enter into or upon any tenement for the purpose of inspecting and may inspect any service pipe or any works in course of execution therein or thereon, and

(b) enter into or upon any tenement for the purpose of superintending the execution of any works in course of execution therein or thereon and may give to the owner or occupier of such tenement or any person engaged in executing such works any directions or instructions necessary for the purpose of ensuring that all relevant provisions of this By-law shall be duly complied with and observed during and in connexion with the execution of such works.

(c) For any such purpose as aforesaid may dig or excavate in or upon any such premises.

**Hindering of inspections.** 49. No person shall obstruct hinder impede resist oppose or refuse admission to any tenement by the Proper Officer or any person duly authorised in that behalf by the Commission or shall fail or neglect to carry out and observe all lawful directions and instructions given by him.

## PENALTIES.

**Penalties.** 50. Any person who commits any breach of the provisions of this By-law shall be liable to a penalty of not more than Five pounds (£5) and in the case of a continuing offence to a further penalty not exceeding Five pounds (£5) for every day the offence is continued after notice of the offence has been given by the Commission or the Proper Officer.

The foregoing By-law was made by the State Rivers and Water Supply Commission on the 11th day of November, 1957, and the common seal of the said Commission was hereunto affixed the 14th day of November, 1957, in the presence of—

L. R. EAST, Chairman.

(SEAL) H. W. McCAY, Commissioner.

J. A. AIRD, Commissioner.

Approved by the Governor in Council, 20th November, 1957.—A. MAHLSTEDT, Clerk of the Executive Council.