

SAINT VINCENT AND THE GRENADINES

STATUTORY RULES AND ORDERS

1991 No. 30

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(Gazetted 10th December, 1991)

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IN EXERCISE of the powers conferred under section 33 of the Central Water and Sewerage Act, 1991, the Central Water and Sewerage Authority with the approval of the Minister makes the following Regulations:-

CENTRAL WATER AND SEWERAGE AUTHORITY  
(SEWERAGE) REGULATIONS 1991

PART 1 – PRELIMINARY

1. Citation. These Regulations may be cited as the Central Water and Sewerage Authority (Sewerage) Regulations 1991 and shall come into force on the 10th day of December, 1991.

2. Interpretation. In these Regulations, unless the contrary intention appears

“authorized officer” means any officer or servant of the Authority;

“building sewer”, in relation to land, includes any drain on such land provided by the owner or occupier thereof for the conveyance of sewage or trade waste to a sewer or a sewer property service and any drain for draining any group or block of buildings by a combined operation by order of the Authority, but shall not include a sewer or sewer property service;

“construct” includes alter, improve and repair;

“connected works or fittings” include water closet, urinal sink, slop sink, lavatory, bath, cistern or other sanitary fitting;

“declared area” means an area declared under regulation 3;

“domestic sewage” means all faecal matter, urine, household slops and liquid household refuse;

“environment” includes the physical, biological, economic, cultural and social aspects and all aspects of the surroundings of man;

“premises” includes land;

“private sewer” means any sewer constructed for private purposes pursuant to regulations 23;

“sewer” means a pipe conduit or underground gutter or channel, not being a building sewer or sewer property service, which is or is intended to be used for the conveyance of sewage or trade waste as part of a public sewerage system vested in or constructed by the Authority;

“sewer property service”, in relation to land means a connection provided by the Authority or its direction for the conveyance of sewage or trade waste between a building sewer constructed on that land and a sewer, at or near the boundary of such land;

“trade waste” means liquid waste other than domestic sewage;

“trade waste agreement” means an agreement made by the Authority under Part IV;

“waste” includes sewage and any other matter or thing whether wholly or partly in solid, liquid or gaseous state which if added to any water may cause pollution.

3. **Declaration of Areas.** The Authority may declare any area to be an area to which these Regulations apply and may amend or revoke any such declaration.

4. **Supply of services not compulsory.** Notwithstanding any provision of these Regulations or of any agreement to which the Authority is a party, it is not compulsory for the Authority to provide or to continue to provide sewerage services to any person or public authority and the Authority is not liable to any penalty or damages for not supplying sewerage services to any persons or public authority.

## PART II – APPROVAL OF WORKS

### Construction of works

5. **Power to construct sewerage works.**

(1) The Authority may construct sewers and associated works to serve any premises within any area declared under regulation 3 and may recover the cost or any part of the cost of construction from owners of premises within the area, together with an amount assessed by the Manager to be a fair and reasonable contribution towards the cost of outfall, sewage disposal systems, treatment works and other associated works.

(2) Where the authority intends to construct works under this regulation, it shall cause a scheme for their construction to be prepared.

(3) Every such scheme shall include–

- (a) a description of the proposed works together with such specifications, maps, plans sections and elevations as the Manager thinks necessary;
- (b) an estimate of the cost of executing the same;

- (c) a description of the premises which will be supplied with sewerage services, sufficient to identify those premises;
  - (d) a statement of the portion of the cost of execution of the scheme which is to be recovered from the owners of such premises and the estimated amount to be recovered from each owner;
  - (e) such other particulars as the Manager considers necessary or expedient.
- (4) In determining the respective amount to be recovered from each owner the Authority shall take into consideration the extent to which the costs of the proposed scheme is increased as a result of –
- (a) the premises of any owner having special requirements for the supply of sewerage service;
  - (b) increasing the extent of works to provide for premises outside the boundary of the scheme.
- (5) The Authority may include in the estimate of the cost of the scheme the following costs –
- (a) the cost of the provision by the Authority of any material, plan, labour, compensation and insurance charges;
  - (b) payments to contractors employed in the execution of the scheme;
  - (c) the cost of investigation, design, plans, specifications and contract documents;
  - (d) the cost of supervising the works and inspecting the materials used;
  - (e) the cost of acquiring any interest in premises;
  - (f) the cost of administration associated with the investigation and implementation of the scheme.
- (6) A copy of the scheme shall be kept in the office of the Authority and in some other convenient location near or within the area to which the scheme applies and shall be available for inspection by any person interested or affected by the scheme until the scheme is finally executed or abandoned.
- (7) The authority shall cause a notice in writing to be served on every owner of premises described in the scheme stating –
- (a) that the scheme has been prepared and may be inspected at the office of the Authority or some other convenient location.
  - (b) the estimated amount which is to be recovered from the owner as his share of the costs of the scheme and by way of any contribution assessed by the Authority.
  - (c) that within one month of the service of the notice, the owner may by notice in writing to the Authority object to the scheme or any part thereof;

(d) the grounds on which any objections may be made.

(8) The owner of the premises described in the scheme may within one month after the service of the notice under regulation 7 object to the scheme in writing on any of the following grounds –

- (a) that the amount to be recovered from him is excessive or has been incorrectly calculated;
- (b) that the owner intended to be made liable under the scheme should not be so liable or that any owner not intended to be made liable under the scheme should be liable;
- (c) that the portion of the cost of the scheme which is to be recovered from owners is excessive or unreasonable.

(9) The Authority, not earlier than one month after serving the last notice –

- (a) shall consider the scheme and all objections made thereto;
- (b) may adopt the scheme with or without modifications.

**6. Power to relocate sewers.**

(1) The Authority may –

- (a) alter the capacity or location of any sewer;
- (b) temporarily or permanently discontinue or prohibit the use of any sewer either generally or for any specified purpose.

(2) The Authority shall not temporarily discontinue or prohibit the use of any sewer unless it is expedient so to do in order to –

- (a) install, construct or maintain any works;
- (b) make any connection or disconnection from a sewer;
- (c) prevent the escape of sewage or pollution of any water;
- (d) prevent a danger to public health.

(3) Before temporarily discontinuing or prohibiting the use of any sewer the Authority shall, whenever practicable, give due notice of the likely duration of the interruption to all persons who are likely to be affected thereby.

(4) Before permanently discontinuing or prohibiting the use of any existing sewer the Authority shall ensure –

- (a) that an alternative sewer exists capable of serving all premises previously served by the existing sewer;

- (b) that all such premises have been provided with a sewer property service connected to the alternative sewer, at the expense of the Authority.

Connect of Premises to Sewerage Works.

#### 7. Declaration of completed sewerage works

(1) Whenever, pursuant to any existing work constructed under this Part, it becomes possible to provide sewerage to premises within any area, the Authority may declare such works to be effective in relation to that area.

(2) On and from the date of making a declaration under paragraph (1) –

(a) the owner of any premises in the area is liable to such charges as may be prescribed by the Authority, whether or not the premises –

(i) are connected to the works declared to be effective;

(ii) are occupied,

(b) the Authority may, by notice in writing, direct the owner of any premises in the area to connect the premises to the works so declared in the manner prescribed by these Regulations and within such time as is specified in the notice;

(c) the Authority may, of its own motion or on an application by the owner of premises in the area, agree to connect the premises to the works on such terms and conditions and in such manner as is prescribed.

(3) A person served with a notice under paragraph (2) (b) shall on failure to comply with that notice, be liable on summary conviction to a fine not exceeding five thousand dollars or to imprisonment for a term not exceeding twelve months and to a further fine not exceeding five hundred dollars for each day the offence continues.

(4) Within one month of receiving a direction under paragraph (2) (b) the owner shall submit to the Authority a plan for providing the premises with a building sewer and any connection works and fittings in the manner prescribed by regulation 12.

(5) If within one month or such other time as the Authority may specify the owner fails to execute work directed by the Authority under paragraph (2) (b) or approved by the Authority pursuant to regulation 14, the Authority may undertake the work and recover the cost thereof from the owner.

#### 8. Penalty for non-compliance.

(1) An owner of premises who refuses or fails to execute any works or take any action required of him pursuant to this Part commits an offence and is liable on summary conviction to a fine not exceeding five thousand dollars or imprisonment for a term not exceeding twelve months and to a further fine of five hundred dollars for each day the offence continues.

(2) Whenever the owner of land fails to undertake any work required of him pursuant to this Part, the Authority may cause such work to be executed and may recover the cost thereof from the owner and where the amount remains outstanding for a period in excess of thirty days may charge interest thereon at the rate of ten per cent per annum until the payment is made, or may recover the same in a summary way from the owner.

#### 9. Group Drainage.

(1) If it appears to the Authority that contiguous or adjacent buildings or land may be connected to a sewer more economically or advantageously in combination than separately, the Authority may require that such buildings or land be so connected by a combined operation.

(2) The Authority may apportion the cost or expenses to be paid between the owners of land connected to a sewer by a combined operation in such manner as the Authority considers just and reasonable.

### PART III – PRIVATE SEWERAGE WORKS

#### Building sewers and connected works or fittings

#### 10. New buildings to have approved building sewers and fittings.

A person shall not erect or re-erect any building in a declared area unless a building sewer and other connected works or fittings are installed with the consent of the Authority and in accordance with these Regulations.

#### 11. Applications to construct building sewers or make connections.

(1) A person who wishes –

(a) to construct or remove a building sewer or other connected works or fittings;

(b) to make any opening in or connection with a sewer,

may apply in writing to the Authority.

(2) An application under paragraph (1) shall be –

(a) in the appropriate form prescribed in the First Schedule;

(b) accompanied by the fee prescribed in the Second Schedule.

(3) The Authority may, from time to time, prescribe other actions which shall not be performed without the Authority's consent.

#### 12. Requirements of plans

(1) A person who –

(a) applies to the Authority under regulation 11;

(b) is directed to connect any land to works under regulation 7,

shall lodge with the Authority four copies of plans of the work proposed.

- (2) Each copy of a plan lodged under this regulation shall be –
  - (a) signed by the applicant; and
  - (b) certified as accurate and signed by the person preparing the plan.
- (3) Every plan lodged under this regulation shall –
  - (a) contain a site plan of all existing or proposed buildings on the land;
  - (b) describe the boundaries of the applicant's land;
  - (c) describe adjoining land and give the names of the owners thereof;
  - (d) show the location of any adjoining roads;
  - (e) show the position and dimensions of –
    - (i) any building sewer or other connected works or fittings;
    - (ii) all kitchens, bathrooms, rainwater channels, water supply pipes or drainage pipes;
    - (iii) all sinks, gullies, inspection chambers, manholes and other appurtenant works;

which exist on the land or which the applicant wishes to construct;

- (f) show the nature and location of any pavement or exposed surface;
- (g) show the diameter and gradient of all proposed pipes and junctions and the levels of any points which may be necessary to determine such gradient;
- (h) where practicable, be drawn or printed on paper or cloth of a dimension prescribed by the Authority;
- (i) comply with such other requirements as the Authority may prescribe;
- (j) contain such other information as the Manager may require.

#### 13. Inspection of Plan.

(1) An authorized officer shall examine and verify any plan lodged under regulation 12 and may make such alterations or corrections as he considers necessary.

(2) If, upon inspecting land to which a plan relates, an authorized officer finds that the plan is inaccurate, the fee specified in the Second Schedule shall be paid by the applicant to the Authority for every subsequent visit made by an authorized officer to the land to ascertain the correctness of, or to correct, a plan.

#### 14. Approval of works.

- (1) The Authority may –
  - (a) approve any plan verified pursuant to regulation 13;

- (b) consent to any application under these Regulations, on such conditions as it sees fit;
  - (c) refuse to approve any plan or refuse its consent to an application.
- (2) Where the Authority approves any plan under paragraph (1) it shall —
- (a) return one copy to the applicant;
  - (b) send one copy to the Ministry of Health; and
  - (c) retain two copies for use by the Authority.
- (3) Except as provided in paragraph (4), work described in any plan approved by the Authority shall be executed strictly in accordance with the plan.
- (4) The Minister may consent in writing to a proposed deviation from a plan approved by the Authority.
- (5) Where the Minister consents to a proposed deviation under paragraph (4) he shall clearly mark the proposed deviation and his initials on copies of the plan held by the applicant and the Authority.

#### 15. Conditions of consent.

- (1) Unless the Authority determines otherwise, any action for which the Authority's consent is required shall be performed in accordance with any direction given by an authorized officer.
- (2) Unless the Authority determines otherwise a person may not make any opening in or connection with a sewer except in the presence of, and in accordance with any directions given by an authorized officer.
- (3) As a condition of granting its consent, the Authority may require that works specified by it be done only by the Authority at the cost of the applicant.

#### 16. Cost of works undertaken by Authority.

- (1) Where pursuant to paragraph 15(3) work is to be undertaken by the Authority, the Authority shall not commence the work until the applicant has paid it such minimum charge for executing the work as is prescribed in the Second Schedule.
- (2) Where no minimum charge is prescribed in the Second Schedule for work done by the Authority, the applicant shall pay to the Authority the actual cost of the work when completed, as determined by the Manager.
- (3) If the actual cost of doing work exceeds the minimum charge paid to the Authority under paragraph (1), the applicant shall pay the balance of the actual cost of the work when completed to the Authority as determined by the Manager.



**17. Security Deposit.**

(1) Before any premises is connected to any sewer, the owner of the premises shall pay to the Authority such deposit as is prescribed in the Third Schedule as security for regular payment for sewerage charges.

(2) Deposits payable under this regulation may differ according to the type or class of premises connected to the sewer and prescribed in the Third Schedule.

(3) Where differing deposits are fixed in the Third Schedule and the premises connected to the sewer may be regarded as falling into more than one type or class, the Manager in his sole discretion shall determine which of the differing deposits shall be paid.

**18. Discharge from vessels.**

(1) The Authority shall, at all harbours, ports and other havens within a declared area, provide facilities for the reception and discharge into sewers of sewage from vessels.

(2) A person shall not cause or allow any sewage to be discharged from a vessel within the territorial waters of Saint Vincent and the Grenadines except into facilities provided under paragraph (1).

**19. Duty to provide technical information.**

(1) The Authority shall keep a map at its office, showing the location of all sewers and such map shall be freely available for inspection by the public without charge during normal office hours.

(2) The Manager shall, on receipt of a written application, provide an applicant with –

- (a) the approximate level and position of the point of junction between –
  - (i) any sewer and proposed sewer property service;
  - (ii) any proposed sewer property service and proposed building sewer;
- (b) the elevation of relevant available survey bench-marks.

**20. Duty to provide sewer property service.**

(1) Subject to paragraph (2) where –

- (a) any person is required to connect land to a sewer under regulation 7; or
- (b) the Authority consents to an application under regulation 14,

the Authority shall provide a sewer property service to the premises concerned at the Authority's expense.

(2) Where it is necessary to provide more than one sewer property service in respect of any premises, the provisions of regulation 16 shall apply to work in relation to any second or subsequent sewer property service.

21. Commencement and execution of work.

(1) A person shall not construct any building sewer or connected works or fittings or cause or allow the same to be constructed

- (a) without first receiving –
  - (i) approval for any plans required to be lodged;
  - (ii) the consent of the Authority to any application required to be made, under these Regulations;
- (b) except in accordance with –
  - (i) any conditions attached to the approval of any plan or the consent of the Authority;
  - (ii) any direction given by an authorized officer under these Regulations;
  - (iii) any Code of Workmanship prescribed by the Authority from time to time;
  - (iv) the technical specifications prescribed in the Seventh Schedule.

(2) An applicant shall inform the Authority in writing of the proposed commencement date of work described in –

- (a) any plans approved; or
- (b) any application consented to, by the Authority.

22. Inspection of works.

(1) Before any pipe or other fitting installed as part of any work referred to in regulation 21 has been covered or concealed or any trench filled, the applicant or his agent shall notify the Authority that the work is ready for inspection.

(2) Within two working days of the Authority receiving notice under paragraph (1), an authorized officer shall inspect and test the work.

- (3) If an authorized officer discovers –
  - (a) any authorized deviation from plans approved under these Regulations;
  - (b) any failure to observe a condition attached to the approval of any plans or the consent to any application;
  - (c) any departure from specifications prescribed in the Seventh Schedule or any Code of Workmanship prescribed by the Authority;the applicant shall execute such alterations to the work as the authorized officer directs and to his satisfaction before any pipe or other fitting is concealed or any trench filled.

(4) If an applicant –

- (a) fails to notify the Authority in accordance with paragraph (1) prior to covering any work;
- (b) covers any work within two days of giving notice to the Authority and before it has been inspected,

the person shall at the request of an authorized officer and at his own expense immediately uncover the work.

(5) Where an authorized officer has inspected, tested and approved work under this regulation he shall issue the applicant with a certificate of approval and the applicant shall cover the work.

(6) Where, in the opinion of the Manager, any building sewer or connected works or fittings –

- (a) have not been constructed in accordance with paragraph 21(1);
- (b) are in poor condition;
- (c) require alteration or amendment,

the Authority may, by notice in writing, direct the owner of the land to execute the work as the Authority may prescribe within such time as is specified in the notice.

(7) If within the time specified in the notice the owner fails to execute the work prescribed, the Authority may undertake the work and recover the costs thereof from the owner.

(8) The provisions of regulation 8 may apply to any work prescribed by the Authority under this regulation.

#### Private Sewerage Schemes

#### 23. Applications to construct private sewers;

(1) A person who wishes –

- (a) to construct a private sewer;
- (b) to connect any private sewer with a sewer,

may apply in writing to the Authority.

(2) An application shall be accompanied by –

- (a) four copies of plans showing such information as the Manager may require;
- (b) the fee prescribed in the Second Schedule.

#### 24. Approval of works.

The Authority may approve an application under regulation 23 on such conditions as it sees fit or may refuse to approve an application.

## 25. Direction to incorporate with public sewerage system

(1) If, in the opinion of the Authority, it would be expedient if the proposed private sewer were made part of or connected with a sewerage scheme proposed or operated by the Authority, the Authority may require the applicant to construct the private sewer in such a manner and to such specifications as the Authority directs.

(2) Subject to paragraph (4), a person shall comply with any direction given by the Authority under paragraph (1).

(3) Any person who contravenes the provision of this regulation commits an offence and is liable on summary conviction to a fine not exceeding five thousand dollars or to imprisonment for a term not exceeding twelve months and a further fine not exceeding five hundred dollars for every day the offence continues after conviction.

(4) A person aggrieved by any direction given by the Authority under paragraph (1) may, within thirty days of being notified of the direction, object in writing submitted to the Minister.

(5) The Minister shall within thirty days of receiving an objection made under paragraph (4), consider the objection and decide whether to –

- (a) disallow the direction;
- (b) allow the direction subject to conditions or modifications;
- (c) allow the direction.

(6) The Authority shall repay to any person adversely affected by a direction under paragraph (1)–

- (a) such additional expenses incurred by him in constructing the private sewer in the manner and to the specifications directed by the Authority;
- (b) such additional costs of cleaning, repairing or maintaining the private sewer which may be attributable to the direction.

(7) Any dispute or difference as to the amount of any payment due from the Authority to any person under paragraph (5) may, at the election of that person, be determined either by a court of summary jurisdiction or by arbitration.

### Control of Private Sewerage Installations

## 26. Power to ensure proper operation

(1) An authorized officer may enter any premises to inspect and ensure the safe and proper operation of any latrine, septic tanks or private sewerage installation on those premises.

(2) An authorized officer may take samples of such water, sewage, effluent or waste and submit them to such analysis as he sees fit and the Authority may recover the cost of that analysis from the owner of the premises from which the samples are taken.

(3) The Authority may, by notice in writing, direct an owner of premises within such time as may be specified in the notice –

- (a) to empty, clean, maintain or repair;
- (b) to temporarily or permanently cease using;

any latrine, septic tank or private sewerage installation on those premises, or to take such other action as the Authority may specify.

(4) The Authority may, at the request of, and at the expense of, any owner to whom notice has been given, undertake such work as may be specified in the notice.

(5) Where notice has been given to an owner, and within the time specified, he fails either –

- (a) to take such action as may be specified; or
- (b) to obtain the agreement of the Authority to undertake the work specified in the notice and to pay to the Authority the estimated costs thereof,

the Authority may enter the premises and undertake such work or take other measures as may be necessary to ensure complete compliance with the notice and may recover the costs of so doing from the owner.

(6) The provisions of regulation 8 apply to any work prescribed by the Authority under this regulation.

#### PART IV – TRADE WASTE AGREEMENTS

##### 27. Declaration of prohibited wastes.

The Authority may, in any declared area, specify trades in respect of which no trade waste may be directly or indirectly discharged into any sewer, sewer property service, building sewer or connected works or fillings from any premises used for or in connection with such trades, except in accordance with a trade waste agreement.

##### 28. Authority may enter into trade waste agreements.

(1) The Authority may enter into a trade waste agreement for the discharge, storage or treatment of –

- (a) trade waste from any trade specified under regulation 31;
- (b) any waste specified in the Fifth Schedule,

upon such conditions and in such manner and for such period as the Authority sees fit or may refuse to enter into a trade waste agreement with any person.

- (2) Without limiting paragraph (1), the terms of any trade waste agreement may –
- (a) specify, restrict or prohibit certain types, volumes or concentration of waste which may be produced, stored, discharged or deposited;
  - (b) specify the manner in which waste is to be stored, treated, discharged, deposited or otherwise dealt with;
  - (c) require the person at his cost
    - (i) to install pollution control or waste treatment equipment of a type specified by the Authority and to operate that equipment in a manner specified by the Authority;
    - (ii) to provide monitoring equipment specified by the Authority;
    - (iii) to carry out a monitoring programme specified by the Authority and to provide the Authority with information and data relating to the characteristics, volumes and effects of waste being produced, stored, treated, discharged, deposited or otherwise disposed of;
  - (d) require the person to take measures specified by the Authority for the purpose of minimizing the possibility of pollution occurring as a result of any activities conducted or proposed to be conducted on premises owned by or occupied by that person;
  - (e) require the person to do or cause to be done any other act or thing specified by the Authority which the Authority considers necessary for the purpose of protecting the environment or preventing, controlling or abating pollution.

(4) Without limiting paragraph (1), any trade waste agreement which provides for the discharge of waste specified in the Fifth Schedule into any sewer shall contain conditions requiring treatment of the waste before it is discharged to meet such standard as the Authority may require unless the Authority is of the opinion that the concentration of the waste at the point of discharge is such that the waste will not adversely affect sludge digestion or any bio-chemical, biological or other sewage treatment process employed by the Authority.

(5) The Authority may, at the request of a person who is party to a trade waste agreement, agree to amend the terms of that agreement.

**29. Transfer of agreement.**

(1) A person who becomes the occupier of any premises in respect of which a trade waste agreement is in force is not liable to any penalty under these Regulations for the discharge, deposit or intrusion of any waste if that person –

- (a) complies with the terms of the existing trade waste agreement in respect of those premises;
- (b) within thirty days of becoming the occupier of the premises, requests the Authority to enter into a trade waste agreement in his own name.

(2) Where the Authority refuses to enter into a trade waste agreement requested under the previous paragraph the person making the request shall cease to allow any waste to be discharged, deposited or to intrude pursuant to any previous trade waste agreement in respect of the premises within ten days of receiving notice of that refusal.

**30. Reference of proposed agreement to other authorities.**

(1) Whenever the Commission proposes to enter a trade waste agreement or to amend the terms of a trade waste agreement, it shall refer the proposal, together with a copy or summary of appropriate plans, specifications and other information –

- (a) to the Chief Environmental Health Officer of the Ministry of Health;
- (b) to any public authority which may be directly affected by activities pursuant to the proposed agreement or amendment,

and shall take such further steps as may be prescribed by regulations concerning the public advertisement of, and objections to, the proposed agreement or amendment.

(2) The Chief Environmental Health Officer and any public authority to which a proposal is referred under paragraph (1) shall inform the Authority in writing within thirty days after the day on which the proposal was referred –

- (a) whether the proposal is supported or whether there are objections to it;
- (b) if the proposal is supported, what special terms should be included in the proposed agreement or amendment.

(3) The Authority shall –

- (a) take into account any report and comments received under paragraph (2);
- (b) refuse to enter into the proposed agreement if the Chief Environmental Health Officer submits a written report objecting to the proposal on the grounds that public health is likely to be endangered if the proposed agreement or amendment is made.

**PART V – PROHIBITED WASTES**

**31. Reception of certain waste not compulsory.**

Nothing in these Regulations requires the Authority –

- (a) to receive into a sewer –

- (i) storm drainage or surface waters;
- (ii) any matter which may adversely in the opinion of the Authority affect the operation of a sewer or any associated works or the treatment or disposal of the contents thereof;
- (iii) any matter which may be injurious to health;

(b) to provide facilities to receive some drainage or surface waters where existing sewers or sewage disposal works are inadequate to receive them.

**32. Acts prohibited in declared areas.**

(1) A person shall not, in any declared area –

- (a) discharged any waste or cause or allow any waste to be discharged directly or indirectly other than to a sewer;
- (b) construct any septic tank, cesspool, privy or other facility for the disposal, reception, storage or treatment of waste,

except in accordance with the Act.

(2) Subject to these Regulations, a person shall not cause or allow any matter other than domestic sewage or trade waste to enter a sewer, sewer property service, property sewer or connected works or fittings, either directly or indirectly.

(3) A person shall not cause or allow any matter specified in the Fourth Schedule or (except pursuant to a trade waste agreement) any matter specified in the Fifth Schedule to enter a sewer, sewer property service, building sewer or connected works or fittings either directly or indirectly.

(4) Subject to the requirements of any trade waste agreement a person shall not cause or allow any waste from premises of the type specified in the Sixth Schedule to enter a sewer, sewer property service, building sewer or connected works or fittings either directly or indirectly except through a grease trap of a design approved by the Manager.

(5) Any person who contravenes any of the provisions of this regulation commits an offence and is liable on summary conviction to a fine not exceeding five thousand dollars or imprisonment for a term not exceeding two years and to a further fine not exceeding five hundred dollars for each day the offence continues after conviction.

(6) The occupier of any premises listed in the Sixth Schedule upon which a grease trap is installed who fails to keep the grease trap clean and in sanitary condition commits an offence and is liable on summary conviction to fine not exceeding ten dollars or to imprisonment for a term not exceeding fourteen days.

**33. Acts subject to the Manager's approval.**

(1) A person shall not –

- (a) cause or allow any waste from commercial or domestic food grinders to enter a sewer, sewer property service, building sewer or connected works or fittings either directly or indirectly except with the consent of the Authority and subject to such conditions as the Manager determines;



- (b) cause or allow any waste from a swimming pool to enter a sewer, sewer property service, building sewer or connected works or fittings either directly or indirectly except in accordance with such conditions as the Manager may impose in each particular case.

(2) Any person who contravenes the provisions of this regulation commits an offence and on summary conviction is liable to a fine not exceeding five thousand dollars or to imprisonment for a term not exceeding twelve months and in the case of paragraph (1) (a) to a further fine not exceeding five hundred dollars for each day the offence continues after conviction.

#### PART VI – SEWERAGE CHARGES

##### 34. Charges for sewerage.

(1) The Authority may, from time to time make regulations fixing charges to be paid by the owner or occupier of any premises connected with a sewer.

(2) Charges may be fixed which differ according to the type, class or use of premises.

(3) Until the Authority make regulations to the contrary, the charges shall be as prescribed in the Eighth Schedule.

(4) Sewerage charges become due and payable on the first day of every month.

(5) Whenever the owner of premises connected with a sewer is not in occupation or sole occupation of the premises, the owner and occupier may agree which of them shall pay sewerage charges in respect of premises and in what proportion.

(6) Whenever an owner or occupier have not agreed that the occupier is to pay all sewerage charges in respect of premises connected with a sewer and the owner fails to pay any sewerage charge for which he is liable, the Authority may –

- (a) recover the amount summarily from the owner; or
- (b) recover the amount in accordance with section 31 of the Act;

and may collect interest at the rate of ten per centum per annum until repayment is made.

##### 35. Recovery of outstanding charges.

Without prejudice to any other remedy available to the Authority, where any sewerage charge or any interest or penalty thereon in respect of any premises to which water is supplied by the Authority is outstanding –

- (a) after a period of twenty one days from the day on which it became due, the Authority may notify the owner or occupier of the premises in question in writing that, if the sum outstanding is not paid to the Authority before the expiration of thirty days from the day on which it became due, the supply of water to the premises will be restricted or disconnected;
- (b) after a period of thirty days from the day on which it became due, the Authority may restrict or disconnect the supply of water to the premises in question, if written notice has previously been given under sub-paragraph (a).

**36. Penalties payable on overdue accounts.**

Where any sewerage charge is outstanding for a period in excess of thirty days from the day on which it became due, the person liable to pay the sewerage charge is also liable to pay to the Authority a penalty equal to ten per cent of the outstanding amount.

**37. Recovery of administrative charges.**

Where a cheque proffered in payment of any sum due to the Authority is not honoured by the paying bank, the Authority may recover from either the drawer or from the owner or occupier of the premises in respect of which the cheque was proffered the sum prescribed in the Second Schedule to cover bank charges and administrative costs incurred by the Authority.

**38. Remission of charges.**

The Authority may wholly or partially remit any rate, charge, fee or penalty or may extend the date upon which it falls due, on the ground –

- (a) of the poverty of the person liable to pay the same; or
- (b) that its payment would cause undue hardship.

**PART VII – OFFENCES**

**39. Building over sewers.**

(1) A person shall not, unless he is authorized by or under these Regulations, erect any building or structure, or cause, or allow any person to erect any building or structure within four meters of the centre-line of any sewer or sewer property service vested in the Authority.

(2) The Authority may, of its own motion, or on an application by a person in the prescribed manner and form–

- (a) approve the doing of anything referred to in paragraph (1) subject to such conditions as it may specify;
- (b) refuse the application; or
- (c) with the consent of the applicant, divert or re-locate the sewer or sewer property service at the cost of the applicant and subject to such conditions as the Authority may specify.

(3) Where any building or structure on any land does not comply with the provisions of this regulation the Authority may, by notice in writing served on the owner or occupier of the premises require the owner or occupier to alter, remove or relocate such building or structure as is specified in the notice, whether or not such building or structure was erected by or on behalf of that owner or occupier.

(4) Any approval given by the Authority under paragraph (2) and all conditions attached thereto shall be binding upon the applicant, his heirs, successors and assignees and the owner or occupier for the time being of premises to which the approval relates, whether or not such person has notice of the approval or the conditions thereof.

(5) A person who contravenes or fails to comply with or causes or allows any person to contravene or fail to comply with –

- (a) any conditions specified under paragraph (1) or (2); or
- (b) any requirement of a notice served on that person under paragraph (3),

commits an offence and is liable on conviction to a fine not exceeding five thousand dollars or imprisonment for a term not exceeding twelve months and to a further fine not exceeding five hundred dollars for each day the offence continues after conviction.

(6) Where at the commencement of these Regulations any sewer, sewer property service or other connected works (other than a building sewer) which are part of a sewerage system operated by the Authority are on, or in, private premises, the sewer, sewer property service or other connected works shall be taken to have been installed with the consent of the owner for the time being of the premises at the time they were installed and pursuant to a sufficient interest in the premises created by that owner in favour of the Authority to enable it to enter the premises in order to use, repair, maintain, alter, extend, replace or remove such sewer, sewer property service or other connected works in perpetuity.

#### 40. Trees and Shrubs.

(1) Where trees, crops or shrubs are wholly or partly located within four meters of the centre-line of any sewer, sewer property service or other works vested in the Authority and the Authority requires access to those works, an authorized officer may, without notice to the owner or occupier of the land upon which such trees, crops or shrubs are wholly or partly located, cause them to be removed.

(2) Where any sewer, sewer property service or other works vested in the Authority are damaged or blocked by any tree or shrub or the roots thereof an authorized officer may require the owner or occupier of the land on which the tree or shrub is located –

- (a) to remove the tree or shrub and the roots thereof;
- (b) to make good any damage or blockage to such works; and
- (c) to restore the land surface,

in such manner as may be prescribed, at the expense of that owner or occupier.

#### 41. Tampering with works.

(1) A person shall not –

- (a) uncover or expose any sewer, sewer property service or other works vested in the Authority;
- (b) willfully or negligently break, damage, injure, open, alter or obstruct any sewer, sewer property service or other works vested in the Authority;

except with the permission of the Authority.

(2) Where any person is convicted of an offence under paragraph (1) or regulation 43 the Court may, in addition to imposing the prescribed penalty, order that person –

- (a) to meet the cost of making good any damage so caused;
- (b) to pay any other charges which by virtue of the offence it may assess the Authority to have lost, as the case may require.

42. Obstruction of Officers.

(1) A person shall not assault, threaten, resist, obstruct, hinder, or delay any authorized officer, person or public authority in the performance of powers, functions or duties under these Regulations or allow or encourage any other person so to do.

(2) Any person who obstructs such person in the performance of his functions under these Regulations commits an offence and is liable on summary conviction to a fine not exceeding five thousand dollars or to a term of imprisonment for a term not exceeding twelve months.

(3) Where a person is convicted of an offence against paragraph (1) the court may, in addition to any penalty, order the offender to pay by way of compensation a sum sufficient to cover any damage which any authorized officer or other person or public authority has suffered as a result of such assault, threat, resistance, obstruction, hindrance or delay and any sum so awarded may be recovered in the same manner as the penalty.

43. Unlawful connections.

(1) A person shall not connect or allow any person to connect any building sewer, private sewer, drain or pipe to any sewer, sewer property service or other works of the Authority except in accordance with these Regulations.

(2) Anyone contravening the provisions of this regulation commits an offence and is liable on summary conviction to a fine not exceeding five thousand dollars or imprisonment for a term not exceeding twelve months.

44. Offences against the regulations.

(1) A person shall not contravene or fail to comply with or cause or allow any person to contravene or fail to comply with any provision of these Regulations.

(2) Where no penalty is expressly provided a person convicted summarily of an offence against these Regulations is liable to a fine not exceeding one thousand dollars or to imprisonment for a term not exceeding twelve months.



10. Which Sanitary Constructor will be doing the work? (Name)  
(Address)
11. General remarks
12. Name and address of applicant (Name)  
(Address)
13. Your Signature
14. Date

When you have completed this form, send it, together with **FOUR COPIES OF PLANS**, which clearly show the location of all proposed drain, water closets, waste pipes, gully traps, gradients and depths of drain etc. to:

The Manager  
Central Water and Sewerage Authority  
Arnos Vale  
St. Vincent.

**\*IMPORTANT; NO WORK MUST BE COMMENCED UNTIL YOUR APPLICATION AND PLANS HAVE BEEN APPROVED.**

(Reg. 11 (2) (b); 13(2);  
16 (2); 20; 37)

**SECOND SCHEDULE  
FEES FOR WORKS ETC.**

Fee to accompany application pursuant to the First Schedule	\$
Fee for any second or subsequent visit to premises to verify the accuracy of applications and plans	\$
Minimum charges for executing the following works:	
	Fee per connection
(a) Each additional sewer property service to domestic premises	\$ 650

(b) Each additional sewer property service to industrial or commercial premises	
(i) not exceeding 1,000 square feet in area	\$ 650
(ii) in excess of 1,000 square feet in area	\$1,000
Fee for dishonoured cheques	\$15 plus any bank fee paid by the Authority

(Reg. 17)

### THIRD SCHEDULE

#### SECURITY DEPOSITS FOR PAYMENT OF CHARGES

##### DOMESTIC PREMISES

Private dwelling in Arnos Vale Housing Scheme	\$ 45
Other private dwelling	60
Apartments and other dwellings	180

##### COMMERCIAL AND INDUSTRIAL PREMISES

20 employees or less	285
More than 20 and less than 50 employees	570
50 or more employees	855

(Reg. 32 (3))

### FOURTH SCHEDULE

#### PROHIBITED SUBSTANCES

##### Crude Petroleum

Oil made from petroleum, coal, shale, peat or other bituminous substance.

Any product, or mixture containing petroleum which, when tested in a manner approved by the Manager, gives off inflammable vapour at a temperature lower than 23 degrees Celsius.

##### Carbide of Calcium

strong oxidizing agents such as chromates, dichromates, permanganates and peroxide.

chemical compounds producing toxic, inflammable or explosive gases, either upon acidification, alkalization, oxidation or reduction

strong reducing agents such as nitrites, sulphides, sulphites and thiosulphates

waste of whatever kind that cannot be satisfactorily processed or purified by the sewerage treatment process used by the Authority.

(Reg. 32 (4))

#### FIFTH SCHEDULE

##### WASTES SUBJECTS TO TRADE WASTE AGREEMENTS

Steam or liquids with temperatures above 4 degrees Celsius.

Water or waste with pH less than 5.5 or greater than 9.0

Highly coloured waste

Waste which, in the opinion of the Manager, may create excessively offensive odours

Waste containing the following substances:-

- alcohol
- antibiotics
- arsenic
- bromine
- chlorine
- copper
- creosol or creosote
- cadmium
- cyanide
- fluorine
- formaldehyde
- iodine
- lead
- mercury
- phenols and their derivatives
- sulphonamides
- zinc compounds

Reg. 32 (5)

#### SIXTH SCHEDULE

##### PREMISES REQUIRING APPROVED GREASE TRAPS

Any premises producing waste containing grease including –

- (a) hotels, restaurants, boarding houses and laundries;
- (b) premises constructing, repairing, maintaining or cleaning motor vehicles, motor bicycles, boats, engines, mechanical equipment or machines.



**SEVENTH SCHEDULE**  
**TECHNICAL SPECIFICATIONS**

**Location, course and diameter of building sewer**

1. Building sewer shall be laid in straight lines from point to point.
2. A building sewer shall be at least 100 mm internal diameter,
3. If a building sewer is to be laid in soft or yielding ground the Manager may specify the materials and methods of construction to be used and impose such other conditions as he sees fit.
4. (1) Unless the Manager certifies in writing that it is impractical or inexpedient to do otherwise, a person shall not lay a building sewer under any building.  
(2) If a building sewer is to be laid under a building pursuant to the preceding clause, the Manager may specify the materials and methods of construction to be used and impose such other conditions as he sees fit.
5. A person shall not construct any building over an existing sewer, sewer property service or building sewer without the Manager's written consent.

**Gradients of building sewers**

6. (1) Subject to paragraph (2), a building sewer shall be constructed with a gradient through its length of at least one in one hundred.  
(2) The Manager may consent in writing to a gradient less than one in one hundred provided that –
  - (a) any lesser gradient occurs –
    - (i) in the portion of the building sewer nearest to its outlet;
    - (ii) in the main line of the building sewer and not in any branches;
  - (b) any special means of flushing required by the Manager is provided.

**Depth of sewer pipes**

7. (1) Subject to paragraph (2), all underground pipes which are part of a sewerage system shall be laid –
  - (a) at least 900 mm below any road;
  - (b) at least 450 mm below any other ground level.
- (2) The Manager may consent in writing to a lesser depth than specified in the preceding clause, provided that the pipes are protected in such manner and with such materials as the Manager directs.

#### Construction and joining of pipes

8. A pipe of whatever material which is part of a sewerage system shall be sound and impervious throughout its length and shall be jointed in the best manner.
9. Any internal projections or obstructions shall be cleared from all pipes.
10. No cement or jointing material shall project from the joints of pipes.
11. (1) Joints of –
  - (a) earthenware pipes; or
  - (b) iron pipes (where screw joints are not used) shall be
    - (i) of a good quality hemp or jute gasket;
    - (ii) followed by lead at least 30 mm deep; and
    - (iii) caulked to make the joints fast and water-tight.
- (2) With the consent of the Manager –
  - (a) special jointing compounds other than lead may be used;
  - (b) flanged rubber compression rings or other mechanical joints may be used.
12. In making screwed wrought iron or steel joints–
  - (a) red lead or such other jointing compound approved by the Manager shall be used;
  - (b) paint, putty or running thread shall not be used.
13. Joints of copper pipes shall be –
  - (a) made of a soldered sleeve; or
  - (b) of mechanical or compression joints approved by the Manager.
14. Joints between lead and iron pipes shall be made of a brass sleeve or brass ferrule of the same size as the lead pipe. The lead pipe shall be attached to the ferrule by a wiped solder joint.

#### Locations of manholes, inspection chambers and gully basins

15. (1) Manholes, inspection chambers, cleaning eyes and other appurtenances shall be provided in such number and at such locations as the Manager thinks fit in order to –
  - (a) allow the interior of pipes to be inspected during construction;
  - (b) provide a means of removing obstructions from the pipes.
- (2) Without limiting the generality of the preceding clause, inspection chambers shall be provided at every point in a building sewer –

- (a) where two or more lines of pipe converge, except where the Manager consents in writing to the use of a "Y" branch;
- (b) where there is an angle, bend, change in gradient or size of pipe;
- (c) where there is a change in the type of pipe (e.g. from earthenware to metal);
- (d) where necessary to ensure that no part of the building sewer is more than 15 meters from the centre of an inspection chamber, unless the Manager agrees in writing to some greater distance.

Construction of manholes etc.

- 16. (1) Inspection chambers or manholes shall be –
  - (a) not less than 900 mm horizontally and 750 mm internally;
  - (b) fitted with a strong cast iron frame securely bedded on cement mortar made of one part cement to three parts sand, with an adequate exterior fillet to stop the frame from moving;
  - (c) fitted with a removable cover, sufficiently strong to bear any traffic likely to pass over it, and fixed at a level no lower than the adjoining surface.
- (2) A cover for a manhole or inspection chamber shall have a clear opening of at least 45 mm.
- (3) Interior corners of manholes and inspection chambers shall be rounded off on a radius of not less than 50 mm with a fillet of cement mortar of one part cement to three parts sand.
- (4) The floors or inverts of manholes and inspection chambers shall be made of concrete, brought to a fine smooth surface, properly floated and well worked in with a steel trowel.
- (5) Suitable channels and benching shall be formed in the floor of each manhole or inspection chamber to collect, conduct or convey waste.
- (6) Channels and benching shall be rendered smooth and true and offer the least possible resistance to the flow of waste.
- (7) Concrete walls, arches and slabs of manholes and inspection chambers shall be –
  - (a) reinforced with steel bars of such size and in such manner as the Manager directs.
  - (b) mounded true on the exposed surface and brought to a smooth and impervious surface.
- (8) A manhole, inspection chamber or gully basin shall be fitted with a specially sealed cover as prescribed in paragraph (9) whenever –
  - (a) the Manager certifies that it is impractical or inexpedient for the manhole, inspection chamber or gully basin to be located outside a building; or

- (b) as a result of any building extension or alteration a manhole, inspection chamber or gully basin falls within any building or covered area.
- (9) A cover fitted under paragraph (8) –
  - (a) shall be water-tight and airtight;
  - (b) shall be so bolted or secured to the frame of the manhole, inspection chamber or gully basin that it can be readily removed and replaced;
  - (c) may be a cast iron access with a bolted water-tight and airtight cover of a design approved by the Manager.

#### Ventilating pipes

17. (1) Ventilating pipes shall be made of cast iron, asbestos cement, specially enamelled steel or other material approved by the Manager.
- (2) Earthenware or sheet metal pipes shall not be used for ventilating pipes.
- (3) All 90 degree bend, duckfoot bends or tee pieces set at the base of a vertical soil or ventilating pipe shall be bedded in a block of concrete at least 375 mm square and 225 mm deep.
- (4) All waste pipes shall be trapped at each separate fixture and as close as possible to each fixture.
- (5) A trap shall not be placed at the foot of a vertical soil or ventilating pipe.
- (6) A soil, waste or ventilating pipe shall in no circumstances be connected to a chimney or smoke stack.
- (7) A sealed gully basin shall be adequately ventilated by a pipe of not less than 50 mm internal diameter.
- (8) A main ventilating pipe of at least 100 mm internal diameter –
  - (a) shall be erected at the termination of each building sewer; and
  - (b) shall project at least 600 mm above the eaves of the highest building within 6 metres of the ventilating pipe; and
  - (c) shall be fitted with a wire cage, guard, cowl or similar protection with openings at least equal in area to the cross – section of the ventilating pipe so as to be adequate to prevent the ventilating pipe so as to be adequate to prevent the ventilating pipe from being choked with leaves or other obstructions.
- (9) Unless the Manager directs otherwise, any branch of a building sewer longer than 5 metres shall be ventilated as if it were a separate building sewer.
- (10) Any trapped pipe which may be subjected to siphonage or back pressure shall be fitted with a ventilating pipe from the crown of the trap.
- (11) Subject to clause (12) a ventilating pipe from a water closet trap shall be of at least 50 mm internal diameter.

- (12) Where ventilating pipes from five or more water closet traps are combined, the combined ventilating pipe shall be of at least 75 mm internal diameter.
- (13) A ventilating pipe from a water closet trap may only be connected to a main ventilating pipe at a point above all other connections.
- (14) If two or more fixtures are attached to a single waste pipe –
  - (a) all traps shall be back ventilated;
  - (b) each ventilating pipe shall be run separately or together to project at least 600 mm above the eaves of the building.
- (15) An adequate air gap shall be provided through free atmosphere between –
  - (a) the lowest opening from any pipe or delivery cock, supplying water to any tank, plumbing fixture or receptacle, and
  - (b) the overflow or flood level run of the tank, plumbing fixture or receptacle.

Protection from surface waters

- 18. A pipe draining water from the roof of a building shall not be used –
  - (a) to carry any water,
  - (b) as a ventilating pipe or anti-siphon pipe for any sewer property service, building sewer or trap.
- 19. (1) Gullies or other inlets connected with building sewers shall be –
  - (a) raised above ground level, and

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- (b) surrounded by a concrete curb of at least 150 mm high or otherwise protected from flows of rain or surface water.
- (2) Condensation and waste cooling water from air conditioning plants shall be discharged into trapped gully basins.
- (3) Rain or surface water shall not be allowed to enter any building sewer.
- 20. Wherever it is necessary to use a sump pump or ejector to raise waste from installations lower than the sewer into which the waste is to be discharged the sump shall –
  - (a) be made either of adequately reinforced water-proof concrete or cast iron;

- (b) be of sufficient capacity to receive the projected peak waste flow for thirty minutes;
  - (c) have its sump discharge pipes when connected to a sewer fitted with both
    - (i) a check or non-return valve; and
    - (ii) a gate valve;
  - (d) be provided with securely fastened gas tight and airtight metal cover;
  - (e) be adequately ventilated in accordance with this Schedule, and
  - (f) have the whole installation, including the ejector or pump and the prime mover, installed in well-ventilated and easily accessible compartments.
21. (1) A building sewer shall be
- (a) water-tight and airtight; and
  - (b) tested for water-tightness and airtightness by hydraulic pressure, or such other means as the Manager directs.
- (2) Defective pipes discovered during testing shall be removed and replaced by sound pipes.
- (3) Defective joints discovered during testing shall be made water-tight and airtight.

#### Water Closets and Fixtures

22. (1) A water closet or bidet and connected fittings shall –
- (a) conform to such standards as may be laid down by the Manager, and
  - (b) be of a pattern approved by the Authority.
- (2) A water closet shall –
- (a) be capable of being sluiced clean with a flush of not more than 9 litres of water each time it is used; and
  - (b) be provided with a trap or siphon, placed near to the pan, as an effective water seal; and
  - (c) be connected to a siphonic waste-preventing flush tank of a pattern approved by the Manager; or
  - (d) be connected to such type of flush tank as the Manager approves.
- (3) A person shall not use a tank giving more than 9 litres each flush.
- (4) The water service pipe to every flush tank shall be fitted with a stop cock.

- (5) Each flush tank shall be fitted with an overflow pipe, which shall –
- (a) discharge into the open air, and not into the soil pipe; and
  - (b) be arranged in such a manner as to act as a warning pipe;
  - (c) discharge not more than 9 litres at each flush.
24. A water closet installed above ground level shall be connected to waste pipes of cast iron, steel or such other material as the Manager approves, which shall be –
- (a) at least 100 mm internal diameter;
  - (b) jointed with lead and gasket or other jointing compound approved by the Manager;
  - (c) placed outside the building, wherever possible, or in a pipe duct within the building.
25. Air shall be allowed to circulate freely through the whole course of a building sewer without any obstruction.
26. Each bath, wash basin, lavatory and sink, including slop sink, shall be fitted with a trap as close as possible to the fixture.
27. (1) The main waste pipe and overflow pipe of a wash basin, lavatory or sink (other than a slop sink), shall be 35 mm internal diameter.
- (2) The main waste pipe and overflow pipe from a slop sink shall each be at least 75 mm internal diameter.
- (3) The main waste pipe and overflow pipe from a bath shall be at least 50 mm internal diameter.
28. (1) A tee fitting may be used in making connection to a vertical pipe.
- (2) A connection to a pipe other than a vertical pipe shall be made within an angle branch.
29. (1) Subject to paragraph (2) a waste pipe exceeding 50 mm internal diameter shall not be made of lead.
- (2) If a waste pipe is protected by suitable casing, the Manager may allow a waste pipe of more than 50 mm but not more than 75 mm internal diameter to be made of lead.

#### Urinals

30. A urinal shall be fitted with a glazed basin or staff.

31. (1) A basin urinal shall be separately connected to the waste pipe by a pipe of –
- (a) lead;
  - (b) copper;
  - (c) cast iron, effectively protected from corrosion;
  - (d) galvanized wrought iron;
  - (e) galvanized malleable iron; or
  - (f) such other material as the Manager may approve,
- and shall be fitted with a glazed trap of at least 50 mm internal diameter.
- (2) A staff urinal shall have a properly graded glazed channel along the bottom of the staff, leading to a glazed trap of at least 100 mm internal diameter.
32. Urinal traps shall –
- (a) be fitted with a deep effective water seal;
  - (b) have effective access for cleaning;
  - (c) be covered with a strong removable grid.
33. (1) A urinal shall be fitted with a suitable and efficient automatic flush tank.
- (2) A flush tank shall –
- (a) be so installed as to be separate from any tank used for drinking water;
  - (b) be of a capacity of 4.5 litres for each basin or each 685 mm length of staff;
  - (c) be capable of being filled in not more than 25 minutes or such lesser period as is necessary to clean the urinal satisfactorily;
  - (d) be attached to a water supply pipe fitted, in easily accessible positions, with –
    - (i) one screw-down stop cock to regulate supply to the tank; and
    - (ii) one screw-down stop cock to shut off supply.

(Reg. 34 (3))

#### EIGHTH SCHEDULE SEWERAGE CHARGES

##### DOMESTIC PREMISES

	\$ Per Month
Private dwellings in Arnos Vale housing scheme	15
Other private dwellings	20
Apartments and other dwellings	60



**COMMERCIAL AND INDUSTRIAL PREMISES**

20 employees or less	95
More than 20 and less than 50 employees	190
50 or more employees	285

Dated the 22nd day of November, 1991

**G.R.M. MAULE**  
Chairman  
Central Water and Sewerage Authority

Approved

**Burton B. Williams**  
Minister of Health and the Environment