

ANNEXURE A: GENERAL RULES REGARDING CHARGES

DEFINITIONS

In this Schedule, unless the context otherwise indicates -

"half year" means the period of 6 (six) months commencing on 1 January and 1 July in each year, as the case may be;

"quarter" means the period of 3 (three) months commencing on 1 January, 1 April, 1 July and 1 October in each year, as the case may be; and

"period" the date of the last meter reading preceding the end of the quarter.

A.1 GENERAL RULES REGARDING CHARGES FOR THE USE OF THE MUNICIPALITY'S SEWERS AND WASTEWATER TREATMENT WORKS IN ACCORDANCE WITH SECTIONS 103 AND 104

A.1.1 The charge determined by the Municipality accruing in respect of each -

- a) half-year, becomes due and payable in advance on 1 July and 1 January of each year: Provided that the charge payable in terms of **Section 104** in respect of trade/industrial effluent is payable half-yearly in arrears; or
- b) quarter, becomes due on the first day of such quarter and payable within 6 (six) weeks after the first day of such quarter.

A.1.2 If any charge determined by the Municipality or its authorised agent in respect of any type of premises is based on the number of inmates, patients, servants, students, staff or other persons resident or occupying such premises the Municipality or its authorised agent may require a certificate specifying the number of persons occupying or accommodated on such premises during any particular period to be furnished to it by the person in charge of such premises.

A.1.3 If any person who is required to furnish a return in terms of these By-laws, or this annexure or to provide such other information as may be necessary to enable the Municipality or its authorised agent to assess the amount payable in terms of a charge determined by the Municipality or its authorised agent, fails to do so within 30 (thirty) days after having been called upon to do so by notice in writing, he or she is liable to pay such charges as the Municipality or its authorised agent may then assess on the best information available to it, subject to the Municipality or its authorised agent's entitlement to levy any additional charge determined by the Municipality or its authorised agent which may be applicable when further information becomes available.

A.1.4 In all cases of dispute as to the date from which a charge becomes applicable, the decision of the Municipality is final.

A.1.5 In the case of premises not connected to the municipal sewer the charges determined by the Municipality or its authorised agent and contemplated in **Section 104** shall become payable with effect from the date on which the Municipality or its authorised agent requires that a connection be made or with effect from the date when the premises are in fact connected, whichever is the earlier.

A.1.6 The charges determined by the Municipality or its authorised agent for sewage, trade/industrial effluent, swimming pools, fountains and reservoirs, remain effective in the case of buildings wholly unoccupied or in the course of demolition until the date on which the Municipality or its authorised agent is requested to seal the openings to the Municipality's or its authorised agent's sewer.

- A.1.7 If any change is made in the nature of the occupation or the use of any premises which requires the application of a different charge determined by the Municipality or its authorised agent, no claim for any adjustment of an account rendered or any refund of monies paid in terms of these By-laws will be entertained by the Municipality or its authorised agent unless notice in writing of the change is given to the Municipality or its authorised agent within 30 (thirty) days of the date of its occurrence.
- A.1.8
- A.1.8.1 The Municipality or its authorised agent must designate the category of domestic sewage into which premises connected to the sewer fall for purposes of assessment of the amount payable in accordance with the charge determine by the Municipality or its authorised agent.
- A.1.8.2 For the purpose of the designation referred to in this rule the Municipality or its authorised agent may require the owner or occupier of any premises to furnish it with information to its satisfaction reflecting the number of accommodation units or dwelling units on the premises.
- A.1.9
- A.1.9.1 The charges determined by the Municipality for premises other than those referred to under **Clause A.1.2** shall be assessed in advance for each quarter, and shall be based on the quantity equal to the water consumption metered in terms of **Sections 30 to 36** for the meter reading cycle of 3 (three) months preceding the last meter reading prior to the quarter in question provided that:
- a) in the case of new premises or if the record of metered consumption on existing premises does not extend over the full meter reading cycle of three months or if, in the opinion of the Municipality or its authorised agent, the record of metered consumption is not a suitable basis for the assessment of charges by reason of a change in the occupation, use or ownership of premises, or special contingency, the charges for the coming quarter shall, subject to adjustment when the consumption of water for the three monthly period becomes available, be based on the Municipality's or its authorised agent's estimate of the quantity of water to be consumed and discharged into the sewer on such premises during such coming three monthly period;
 - b) in the case of premises where the water consumed is not used solely for domestic purposes and in the absence of any direct measurement, the quantity of water discharged to a sewer during the quarter shall be assessed by the Municipality according to the quantity of water consumed on the premises during that period, and in the assessment of that quantity, deductions shall be made for the quantity lost during the process of trade or manufacture or present in the final product;
 - c) if the quantity of water obtained from a source other than the Municipality's water supply and used on the premises during a cycle is unknown, the charges shall be based on the Municipality's estimate of the total water consumption on such premises during the aforesaid meter reading cycle; and
 - d) water consumption recorded by a meter installed in terms of :
 - (1) **Clause 104.6** shall be paid for on the basis of the charges determined by the Municipality or its authorised agent for unspecified premises, or the charges determined by the Municipality or its authorised agent for trade/industrial effluent, if applicable, but not on the basis of both such charges;

- (2) **Sub-clause 104.6 b)** shall not be subject to any charge; and
- (3) **Sub-clause 101.1 c)** shall not be subject to any charge for domestic effluent but subject to a charge for trade/industrial effluent in terms of **Section A.2** hereof.

A.1.9.2 If on any premises the Municipality or its authorised agent, after consideration of its size, the number of water supply points and the complexity of the water installation, considers it impractical to determine the quantity of sewage and effluent discharged into the sewer from records of metered water supplied by the Municipality or authorised agent, it may at its discretion:

- a) direct that the water installation be altered at the cost of the owner, to facilitate separate metering of water discharged into the sewer after use, and other water consumed, but not so discharged; or
- b) assess the quantity of sewage or effluent discharged into the sewer in any 9 (six) monthly meter reading period in accordance with the quantity of water used on the premises of a similar nature as determined by the Municipality or its authorised agent.

A.2 GENERAL RULES REGARDING CHARGES FOR TRADE/INDUSTRIAL EFFLUENT

The rules set out below are applicable for the purposes of **Sections 104** and **105** in connection with the charges determined by the Municipality or its authorised agent which are payable for the acceptance, conveyance and treatment of trade/industrial effluent discharged from any premises.

A.2.1 The owner or occupier of premises on which any trade or industry is carried on and from which, as a result of such trade or industry or of any process incidental thereto, any effluent is discharged to the sewer, shall, in addition to any other charge determined by the Municipality or its authorised agent for which he or she may become liable, pay to the Municipality or its authorised agent a trade/industrial effluent charge including any minimum charge. Such charges shall be determined by the Municipality or its authorised agent and shall be calculated -

- a) on consumption readings taken on a monthly basis; and
- b) in accordance with the arithmetic mean of the results of the analyses, specified in **Clause A.2.3**, of not less than 8 (eight) grab samples of effluent taken at any time during a 4 (four) month assessment period: provided that the Municipality or its authorised agent may in its discretion use another method of assessment if in its opinion it will lead to a fairer result.

A.2.2 Whenever a sample is taken by the Municipality or its authorised agent in terms of **Clause A.2.1**, one half thereof shall, on the request of the owner, occupier or person in control of the premises, be made available to him or her and like provisions shall apply to any samples taken by the owner, occupier or person in control in favour of the Municipality or its authorised agent.

A.2.3 The analyses referred to in **Clause A.2.1** must be in accordance with the methods of chemical analysis normally used by the Municipality or its authorised agent for the purpose and must include:

Ammonia as N (NH₄-N)
Cadmium
Chemical Oxygen Demand (COD)
Chlorides (Cl)
Chromium
Cobalt
Copper

Electrical Conductivity (EC)
Elements listed in **Annexure B**
Iron
Lead
Manganese
Nickel
Oil and Grease
Orthophosphate as P (O-PO4)
pH
Sodium
Sulphates (SO4)
Suspended Solids (SS)
Total Dissolved Solids (TDS)
Zinc
Other (Specified)

- A.2.4 In the absence of any direct measurement, the quantity of trade/industrial effluent discharged during a month must be assessed by the Municipality or its authorised agent according to the quantity of water consumed on the premises during that period, and in the assessment of that quantity a deduction must be made of the quantity used on the premises for domestic purposes and the quantity lost to the atmosphere during the process of trade or manufacture, or present in the final product.
- A.2.5 If a meter whereby the quantity of water consumed on the premises is measured is proved defective, an appropriate adjustment must be made to the quantity of trade/industrial effluent discharged when calculated as provided by **Section 105**.
- A.2.6
- A.2.6.1 If trade/industrial effluent is discharged into the sewer from more points than one, whether on the same floor or on different floors of improvements on premises, the Municipality or its authorised agent may in its discretion for all the purposes of assessing a charge for trade/industrial effluent including the taking of test samples in accordance with **Clause A.2.1**, treat each such point of discharge as a separate point for the discharge of trade/industrial effluent into the sewer.
- A.2.6.2 For the purpose of calculating, as prescribed in **Clause A.2.4**, the quantity of effluent discharged from each point of discharge as aforesaid, the total water consumed on the premises must be allocated as accurately as is reasonably practicable, after consultation between the Municipality or its authorised agent and the occupier, among the several points of discharge.
- A.2.7 If a grab sample taken at any time after the 4 (four) month assessment period should reveal that the total pollutant load is altered in such a way as to place a heavier load on the Municipality's or its authorised agent's wastewater treatment works, and the owner, occupier or person in control has failed to advise the Municipality or its authorised agent in writing of the change, the owner or occupier will immediately become liable for twice the difference between the assessed charge and the charge that would have been levied had the total pollutant load been correctly assessed.
- A.2.8 If an inspection should reveal that the owner or occupier or person in control has failed to discharge during periods specified by the Municipality or its authorised agent in accordance with **Clause 104.4**, the owner or occupier will immediately become liable for the full amount of the trade/industrial effluent charge.

A.2.9

- A.2.9.1 The Municipality or its authorised agent may, during any half yearly period referred to under the definitions in this Annexure A, render a provisional account in respect of a part of such period (which part must as nearly as practically possible be a period of 30 (thirty) days) and the amount of such account must be determined as provided in **Sub-clause A.2.9.2** and the Municipality or its authorised agent must as soon as possible after the end of such period render an account based on the actual measurements and results obtained in terms of **Clause A.2.1** for such period, giving credit for any sum paid on a provisional account as aforesaid.
- A.2.9.2 The amount of a provisional account referred to in **Sub-clause A.2.9.1** must be determined by the Municipality or its authorised agent by reference to such previous discharge on the same premises as would in its opinion, constitute a reasonable guide to the quantity of effluent discharged over the period covered by the provisional account by reference to such discharge on other similar premises which, in its opinion, affords reasonable guidance.
- A.2.9.3 A provisional account rendered in terms of **Sub-clause A.2.9.1** is payable on the date stipulated therein.
- A.2.9.4 An owner's decision to dispute an account shall not entitle him or her to defer payment beyond the due date stipulated in the account.

A.3 GENERAL RULES REGARDING CHARGES FOR AN ON-SITE SANITATION SERVICE

The following rules are applicable for the purposes of **Section 88** in connection with the charges determined by the Municipality which are payable for the provisions of a sanitation service:

- a) a commencement charge as determined by the Municipality will be payable in respect of the provision of sanitation services before the commencement of such services;
- b) night soil removal and the emptying of chemical toilet services may be provided on a tri-weekly, nightly, daily or other basis at the discretion of the Municipality or its authorised agent;
- c) the charges for night soil removal must be based on the number of pails and, for a pit vacuum tank or chemical toilet removal service, on the volume removed;
- d) a mobile or temporary toilet may be provided at the discretion of the Municipality or its authorised agent;
- e) a vacuum tank removal service may be provided at the discretion of the Municipality or its authorised agent; and
- f) any sanitation service provided by the Municipality or its authorised agent may be subject to an escalating tariff within 6 (six) months of the introduction of a suitable waterborne sanitation system.

ANNEXURE B: LIMITS AND MAXIMUM CONCENTRATIONS OF CERTAIN SUBSTANCES

Subject to the provisions of **Clause 81.1** the following limits will apply:

- a) the maximum concentration limits of substances contained in any sewage, trade effluent, industrial effluent or other liquid discharged to the sewer:

Parameters	Units	Max Standards
Alkalinity (TALK)***	mg/l CaCO ₃	2000
Cadmium (Cd)	mg/l Cd	5
Chemical Oxygen Demand (COD)	mg/l	5000
Chloride (Cl)	mg/l Cl	600
Chromium – total (Cr)	mg/l Cr	5
Cobalt (Co)	mg/l Co	5
Copper (Cu)	mg/l Cu	5
Cyanide – total (CN)	mg/l CN	20
Electrical Conductivity (EC)	mS/m	250
Iron (Fe)	mg/l Fe	5
Lead (Pb)	mg/l Pb	5
Magnesium (Mg)	mg/l Mg	5
Nickel (Ni)	mg/l Ni	5
Nitrogen – Ammonia (NH ₃ -N)	mg/l N	50
Oil & Grease	mg/l	2000
pH	-	6-10
Phenol	mg/l	1
Phosphate – Ortho (O-PO ₄)	mg/l P	10
Sodium (Na)	mg/l Na	400
Solids – Suspended (SS)	mg/l	1000
Solids – Total Dissolved (TDS)	mg/l	3250
Sulphate (SO ₄)	mg/l SO ₄	1800
Sulphates, hydro-sulphates and polysulphates (expressed as S)	mg/l	50
Total Metal (excluding sodium)	mg/l	20
Zinc (Zn)	mg/l Zn	5

b) Metals:

Group 1:

Metal	Expressed as
Cadmium	Cd
Chromium	Cr
Cobalt	Co
Copper	Cu
Iron	Fe
Manganese	Mn
Nickel	Ni
Silver	Ag
Titanium	Ti
Tungsten	W
Zinc	Zn

the total collective concentration of all metals in group 1 (expressed as indicated above) in any sample of the effluent, shall not exceed 20 mg/l, nor shall the concentration of any individual metal in a sample exceed 5 mg/l;

Group 2:

Metal	Expressed as
Lead	Pb
Mercury	Hg
Selenium	Se

the total collective concentration of all metals in group 2 (expressed as indicated above) in any sample of the effluent, shall not exceed 10 mg/l, nor shall the concentration of any individual metal in a sample exceed 5 mg/l;

c) Other elements:

Element	Expressed as
Arsenic	As
Boron	B

the total collective concentration of all elements (expressed as indicated above) in any sample of the effluent, shall not exceed 20 mg/l; and

d) Radio active wastes or isotopes

such concentration as may be laid down by the Atomic Energy Commission or its successor in title or any State Department provided that, notwithstanding the requirements set out in this **Clause d)**, the Municipality reserves the right to limit the total mass of any substance or impurity discharged per 24 hours into the sewers from any premises.

NOTE: The method of testing in order to ascertain the concentration of any substance here mentioned, shall be the test normally used by the Municipality or its authorised agent for these purposes. Any person discharging any substance referred to in this Annexure B shall ascertain the details of the appropriate test from the Municipality or its authorised agent.