

SILULUMANZI CONCESSION AREA

WATER TARIFFS FOR 2010/2011 FINANCIAL YEAR

- DEFINITIONS:** -
- '**Domestic**' means any private dwelling house, including flats, townhouses, schools, religious institutions and Guest Houses with 3 Bedrooms or less.
 - '**Religious institutions**' means public premises such as Churches, Church Halls, Mosques, Synagogues and the like, which are exclusively used for public worship and which have been designated as such by the Council.
 - '**Flats and Town Houses**' means properties occupied by a number of different tenants but served by a common meter.
 - '**Unit**' means part of Flat or Townhouse occupied by one household
 - '**Low Pressure**' means any property that is supplied via a roof tank not directly from the main water supply.
 - '**High Pressure**' means any property that is supplied directly from the main water supply.
 - '**Business**' means any commercial or industrial or Institutional or sports club premises or Guest House with 4 Bedrooms or more.
 - '**Institutions**' means public premises such as Prisons and Hospitals.
 - '**Month**' means the period between monthly meter readings.
 - '**Monthly Consumption**' means consumption of water measured in a period between monthly meter readings. Where a monthly meter reading cannot be taken for any reason, the consumption will be based on an average calculated from the three previous month's consumption.

WATER (DOMESTIC, SCHOOLS, FLATS AND TOWNHOUSES)

1 **BASIC MONTHLY CHARGE**

1.1 Empty Stands

Where any erf, stand, lot or other area, with or without improvements, **can** in the opinion of the Council or Concessionaire be connected to the main system: **Basic Monthly Charge = R 19.42**

1.2 Occupied Stands

Every connected consumer on any erf, stand, lot or other area, with or without improvements, **is** in the opinion of the Council or Concessionaire connected to the main system: **Basic Monthly Charge = R33.70**

Note: The monthly basic charge of R33.70 will be applied to consumption above 6kl/month.

1.3 Flats and Town Houses

For flats and Town Houses the basic monthly charge will be charged per unit. **Basic Monthly Charge = R33.70 per unit**

Note A. The monthly basic charge of R33.70 per unit will be applied to consumption above 6kl per unit per month.

2. **VARIABLE CHARGE**

2.1. Domestic and Religious Institutions

Bands	Monthly Consumption	Variable
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		Charge/kilolitre
1	Up to and including 6kl	0
2	Over 6kl up to and including 12kl	Basic Monthly Charge applies
3	Over 12 up to and including 20 kl	R 7.40
4	Over 20 up to and including 40 kl	R 7.76
5	Over 40 up to and including 150 kl	R 8.73
6	Over 150 kl	R 9.73

2.2. Schools

2.2.1 Article 21C Schools

R 3.81 per kilo liter **per unit** (all consumptions)

2.2.2 Other Schools

Bands	Monthly Consumption	Charge/kilolitre
1	Up to and including 12kl	R 7.40
2	Over 12 up to and including 20 kl	R 7.40
3	Over 20 up to and including 40 kl	R 7.76
4	Over 40 up to and including 150 kl	R 7.94
5	Over 150 kl	R 8.10

2.3 Flats and Town Houses

Bands	Monthly Consumption	Charge/kilolitre
1	Up to and including 6kl per unit	No Charge
2	Over 6kl up to and including 12kl per unit	Basic Monthly Charge applies
3	Over 12 up to and including 20 kl per unit	R 7.40
4	Over 20 up to and including 40 kl per unit	R 7.76
5	Over 40 up to and including 150 kl per unit	R 8.73
6	Over 150 kl per unit	R 9.73

WATER (BUSINESS)

1. **BASIC MONTHLY CHARGE (BUSINESS)**

2.1 Empty Stands

Where any erf, stand, lot or other area, with or without improvements, **can** in the opinion of the Council or Concessionaire be connected to the main system: **Basic Monthly Charge = R19.42**

2.2 Occupied Stands

Every connected consumer on any erf, stand, lot or other area, with or without improvements, **is** in the opinion of the Council or Concessionaire connected to the main system: **Basic Monthly Charge = R50.56**

2. VARIABLE CHARGES (BUSINESS)

Bands	Monthly Consumption	Charge/kilolitre
1	Up to and including 50 kl	R 8.42
2	Over 50 up to and including 100 kl	R 10.10
3	Over 100 up to and including 300 kl	R 10.95
4	Over 300 up to and including 500 kl	R 10.19
5	Over 500 kl	R 9.60

3. NELSPRUIT AERODROME

Metered Consumption R10.74 per kiloliter

FIRE EXTINGUISHING SERVICES

Item	Description	Detail	Charge
1	Sprinkler Installations	Inspection and Maintenance of Communication Pipe	R 143.28 per yr
2	Drencher Installations	Inspection and Maintenance of Communication Pipe if part of general sprinkler installation	No charge
		Inspection and Maintenance of Communication Pipe if not part of general sprinkler installation.	R 143.28 per yr
3	Hydrant Installations, except on Council property	Inspection and Maintenance of Communication Pipe	R 143.28
		Resealing hydrant when used to drench fire	R 235.96
		Resealing hydrant when not used to drench fire plus a charge for the water used.	R 674.16

GENERAL

1. CONNECTION CHARGES

Item	Detail	Charge
1	Connection fee for new consumers	R 67.40
2	Connecting new domestic premises to nearest main (including meter)	Material Cost plus 25%
3	Connecting new business premises to nearest main (including meter)	R 1685.41 or Material Cost plus 40% which ever is the highest
4	Reconnection after supply disconnected under Municipal By Laws and Consumer Rules	R 235.96 per reconnection*
5	Issue of Reminder Notice	R 84.27

Note: *Prior to reconnection* the outstanding amount owing plus interest, plus reconnection charge must be paid.

2. DEPOSITS

Deposits are required prior to the connection of a supply. Deposits will be refunded, after deduction of outstanding amounts, when the consumer leaves the concession area or terminates supply.

Item	Detail	Charge
1	Domestic Low Pressure Supply	R 337.07
2	Domestic High Pressure Supply	R 1011.24
3	Domestic - Pensioners	R 252.82
4	Business High Pressure Supply	R 3202.28 or projected two months average water charge whichever is the maximum.

3. METER CHARGES

Item	Detail	Charge
1	Special Meter Reading	No charge
2	Meter Test requested by customer	
	1. If meter found to be faulty *	No charge
	2. If meter found to be correct*	R 842.71

Note See Section 4.3 of the consumer rules for details of testing standards.

Note: For any other work not specified above, the charge will be based on the cost of labor and materials plus an on cost of 40%

4. WATER PRESSURE TESTS

Item	Detail	Charge
1	Pressure Test	R 210.68

5. SUNDRY AND OTHER CHARGES

5.1 Unauthorized Use of Water and Tampering with Metering Equipment

5.1.1 The charge to investigate the damaging or tampering with or removal of a meter, or the reconnection of an installation or a meter after it was disconnected/restricted as a result of non-payment by the owner or the tenant or any other person other than an authorized official of GNUC:

First Incident	R1198.32
Second Incident	R1915.28
Third Incident: Removal of Service Connection	Cost + 10%

5.1.2 The charge to investigate the illegal connection of a water installation for building purpose or the illegal use of water by a contractor, the owner, the tenant or any person before a service agreement has been entered into with GNUC according to the conditions of GNUC credit control policy and the installation of a water meter and gate valve by a GNUC official:

First Incident	R1198.32
Second Incident	R1915.28
Third Incident: Removal of Service Connection	Cost + 10%

SILULUMANZI CONCESSION AREA

SEWERAGE TARIFFS FOR 2010/2011 FINANCIAL YEAR

- DEFINITIONS:** -
- '**Domestic**' means any private dwelling house, including flats, townhouses, schools, religious institutions and Guest Houses with 3 bedrooms or less.
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 - '**Flats and Town Houses**' means properties occupied by a number of different tenants but served by a common meter.
 - '**Unit**' means part of Flat or Townhouse occupied by one household
 - '**Low Pressure**' means any property that is supplied via a roof tank not directly from the main water supply.
 - '**High Pressure**' means any property that is supplied directly from the main water supply
 - '**Business**' means any commercial or industrial or Institutional or sports club premises or Guest House with 4 bedrooms or more.
 - '**Institutions**' means public premises such as Prisons and Hospitals.
 - '**Month**' means the period between monthly meter readings.
 - '**Monthly Consumption**' means consumption of water measured in a period between monthly meter readings. Where a monthly meter reading cannot be taken for any reason, the consumption will be based on an average calculated from the three previous month's consumption.

SANITATION (DOMESTIC)

1 BASIC MONTHLY CHARGE

1.1 Empty Stands

Where any erf, stand, lot or other area, with or without improvements, can in the opinion of the Council or Concessionaire be connected to the main system: **Basic Monthly Charge = R65.76**

1.2 Occupied Stands

Every connected consumer on any erf, stand, lot or other area, with or without improvements, is in the opinion of the Council or Concessionaire connected to the main system: **Basic Monthly Charge = R33.70**

Note: The monthly basic charge of R33.70 will be applied to consumption above 6kl/month.

1.3 Flats and Town Houses

For flats and Town Houses the basic monthly charge will be charged per unit. **Basic Monthly Charge = R33.70 per unit**

Note A The monthly basic charge of R33.70 per unit will be applied to consumption above 6kl per unit per month.

Note B In the Riverside area a 20% surcharge is applicable to these tariffs

2. VARIABLE CHARGES (DOMESTIC)

2.1. Domestic and Religious Institutions

Bands	Monthly Consumption	Charge/kilolitre
1	Up to and including 6kl	No Charge
2	Over 6 up to and including 12 kl	Basic Monthly Charge applies
3	Over 12 up to and including 20 kl	R 8.10
4	Over 20 up to and including 50 kl	R 8.59
5	Over 50 kl	No Charge

2.2 Flats and Town Houses

Bands	Monthly Consumption	Charge/kilolitre
1	Up to and including 6kl per unit	No Charge
2	Over 6 up to and including 12 kl per unit	Basic Monthly Charge applies
3	Over 12 up to and including 20 kl per unit	R 8.10
4	Over 20 up to and including 50 kl per unit	R 8.59
5	Over 50 kl per unit	No Charge

2.3 Schools

2.3.1 Article 21C Schools

R 2.54 per learner per month.

2.3.2 Other Schools

Bands	Monthly Consumption	Charge/kilolitre
1	Up to and including 12kl per unit	R 8.10
2	Over 12 up to and including 20 kl per unit	R 8.10
3	Over 20 up to and including 220 kl per unit	R 8.59
4	Over 220 kl per unit	No Charge

Note: In the Riverside area a 20% surcharge is applicable to these tariffs

SANITATION (BUSINESS)

1. BASIC MONTHLY CHARGE

1.1 Empty Stands

Where any erf, stand, lot or other area, with or without improvements, can in the opinion of the Council or Concessionaire be connected to the main system: **Basic Monthly Charge = R112.34**

1.2 Occupied Stands

Every connected consumer on any erf, stand, lot or other area, with or without improvements, is in the opinion of the Council or Concessionaire connected to the main system: **Basic Monthly Charge = R50.56**

Note: In the Riverside area a 20% surcharge is applicable to these tariffs

2. VARIABLE CHARGES (Business EXCLUDING 'Wet' Industries)

Bands	Monthly Consumption	Charge/kilolitre
1	Up to and including 50 kl	R 8.42
2	Over 50 up to and including 100 kl	R 10.10
3	Over 100 up to and including 300 kl	R 10.94
4	Over 300 up to and including 500 kl	R 10.19
5	Over 500 kl	R 9.60

SANITATION (BUSINESS – OLD TARIFF STRUCTURE)

A number of Customers within the Concession Area were billed on the basis of the number of facilities in use.

These Customers will be billed from the 1 January 2005 on the volume of water consumed, using the variable charges listed above.

GENERAL

1. DISCHARGE OF SWIMMING POOL WATER

For the discharge of swimming pool water into a drainage installation in terms of Section 76(c) of the Municipal Drainage By-laws: **R4.28 per 5 kilolitre**, provided that such discharge may not be effected without prior approval.

2. REMOVAL OF BLOCKAGES FROM A DRAINAGE INSTALLATION

The owner or occupant is subjected to the provisions of Section 13 of the Municipal Drainage By-laws and in the first instance responsible for the removal of blockages from a drainage installation.

For the removal of blockages from a drainage installation in terms of Section 13(d) of the Municipal By-laws:

- (a) Between 0800 to 1600 on week days **R404.51 per hour** or part thereof
- (b) Before or after working hours, at weekends and public holidays: **R 505.63 per hour** or part thereof

3. APPLICATION CHARGES IN TERMS OF SECTION 23(a) OF THE COUNCIL'S DRAINAGE BY-LAWS

- (1) For the approval mentioned in section 20(a) of the Municipal Drainage By-laws the following charges shall be payable to the Concessionaire:

- (a) for each connection point of a gully, grease trap, water closet, soil water pipe or waste-paper pipe to a drain pipe, branch drain pipe or stack pipe: **R 278.10**

 - (b) the minimum charge payable for an approval in terms of this item shall be **R674.16**, provided that where a drainage plan in terms of the provisions of section 21 of the Municipal Drainage By-laws is lodged together with a building plan in terms of the Municipal Building By-laws, the amount of **R 674.16** shall not be levied.
- (2) Should a plan be amended in terms of the provisions of section 21 of the Council's Drainage By-laws, the charges in sub item (1) minus 50 % shall be payable : provided that should there be an additional point of inlet as defined in sub item (1) the full charge shall be payable for each connection point.

4. **CONNECTION FEE**

The fee will be at cost plus 40% subject to a minimum charge of **R 1668.54** for all consumers.

5. **RECEIPT OF SEWAGE**

The Company will accept for disposal septic tank waste at its treatment works in Nelspruit, Kanyamazane and Matsulu. The Company will reserve its right to refuse to accept such waste if in the Company's opinion the waste will be harmful to the treatment process.

Transported by tanker: **R5.01 per kilolitre**

6. **DISCHARGE OF INDUSTRIAL EFFLUENT**

The owner, or occupier of premises on which any Trade or Industry identified by the Council or Concessionaire as a 'Wet' Trade or Industry, is carried out and from which, as a result of such trade or industry or of any process incidental thereto, any effluent is discharged into the sewer, shall in addition to the Basic Monthly Charge for which he is liable in terms of this determination, pay to the Concessionaire, instead of a sewage charge per sewerage point, an amount calculated on the quantity and quality of effluent discharged during the period of the charge and in accordance with the Treatment Tariff Formula and the Disincentive Formula, as set out hereunder.

Treatment Tariff Formula

$$T_i = C \times (Q_i/Q_t) \times [0.3 + 0.35 K_c + 0.25 K_n + 0.1 K_p]$$

- T_i = Charges due by an individual contributor, R
- C = Total cost of sewerage management for both treatment and conveyance and must include fixed, semi fixed and variable charges as set by Silulumanzi (R/month)
- Q_i = Sewage flow from an individual contributor, m³ per month (rolling average)
- Q_t = Total sewage flow to the Works, m³ per month (rolling average)
- K_c = COD_i/COD_t
- K_n = TKN_i/TKN_t
- K_p = P_i/P_t

And where

- COD_i = Chemical Oxygen Demand of the settled sewage from the contributor, mg/l
- COD_t = Average Chemical Oxygen Demand of the settled sewage in the total inflow to the works, mg/l (rolling average)
- TKN_i = Ammonia concentration from the contributor, mg/l
- TKN_t = Average Ammonia concentration in the total inflow to the Works, mg/l (rolling average)
- P_i = Phosphate concentration from the contributor, mg/l
- P_t = Average Phosphate concentration in the total inflow to the Works, mg/l (rolling average)

The average of the seven highest values of COD_i , TKN_i and P_i are calculated and used in the formula.

Disincentive Formula

$$P = P_1 + P_2 + P_3 + \dots + P_7$$

Where:

- P = Disincentive Cost Tariff in cents per kilolitre
- P_1 = $[(E - 100)/2] \times 25$
- P_2 = $[(M_1 - 20)/10] \times 25$
- P_3 = $[(M_2 - 50)/2] \times 25$
- P_4 = $[(M_3 - 5)/2] \times 25$
- P_5 = $[(M_4 - 10)/4] \times 25$

$$P6 = [(6_{\min} - \text{pH})/2] \times 25$$
$$P7 = [(\text{pH}_{\max} - 10)/2] \times 25$$

Where:

E = maximum recorded conductivity (mS/m)
M1 = maximum recorded concentration of any individual metal in Group 1, mg/l
M2 = maximum recorded concentration of all metals in Group 1, mg/l
M3 = maximum recorded concentration of any metal in Group 2, mg/l
M4 = maximum recorded concentration of all metals in Group 2, mg/l
pH_{min} = minimum recorded pH value
pH_{max} = maximum recorded pH value

METALS

Group 1

Iron (expressed as Fe)
Chromium (expressed as Cr₂O₃)
Copper (expressed as Cu)
Nickel (expressed as Ni)
Zinc (expressed as Zn)
Silver (expressed as Ag)
Cobalt (expressed as Co)
Tungsten (expressed as W)
Titanium (expressed as Ti)
Cadmium (expressed as Cd)

The total collective concentration of all metals in Group 1 (expressed as in indicated above) in any sample of the effluent, shall not exceed 50mg/l, nor shall the concentration of any individual metal exceed 20 mg/l.

Group 2

Lead (expressed as Pb)
Selenium (expressed as Se)
Mercury (expressed as Hg)
Manganese (expressed as Mn)

The total collective concentration of all metals in Group 2 (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 any sample exceed 5 mg/l.

7. SURCHARGE

A surcharge of **20 %** on the normal sewage tariffs will be applicable on all current and future developments in Nelspruit which are North and West of, and which would link to, the Northern and Western outfall sewers.

Note A For any other work not specified above, the charge will be based on the cost of labour and materials plus an on cost of 40%

Note B

The tariffs and charges set out in the above schedule do not include value added tax which will be added to each bill in