Rustenburg Local Municipality

SUNDRY WATER TARIFFS

Description	Approved Tariff 2017/2018				Proposed Tariff 2018/2019				Proposed Tariff 2019/2020				Proposed Tariff 2020/2021			
SUMMARY OF WATER CONNECTION	**Short**	**Long**	**Short (Prepaid)**	**Long (Prepaid)**	**Short**	**Long**	**Short (Prepaid)**	**Long (Prepaid)**	**Short**	**Long**	**Short (Prepaid)**	**Long (Prepaid)**	**Short**	**Long**	**Short (Prepaid)**	**Long (Prepaid)**
15 mm Connection	4 146.67	43 908.48	6 716.71	46 445.85	4 561.34	48 299.33	7 388.38	51 090.44	5 017.47	53 129.26	8 127.22	56 199.48	6 020.96	63 755.11	9 752.66	67 439.37
20 mm Connection	4 146.67	32 087.99	6 999.85	46 484.57	4 561.34	35 296.79	7 699.84	51 133.03	5 017.47	38 826.47	8 469.82	56 246.33	6 020.96	46 591.76	10 163.78	67 495.60
25 mm Connection	4 817.01	44 838.97	7 034.94	46 557.17	5 298.71	49 322.87	7 738.43	51 212.89	5 828.58	54 255.15	8 512.28	56 334.18	6 994.30	65 106.18	10 214.73	67 601.01
	Short	**Long**	**Short (AMR)**	**Long (AMR)**	**Short**	**Long**	**Short (AMR)**	**Long (AMR)**	**Short**	**Long**	**Short (AMR)**	**Long (AMR)**	**Short**	**Long**	**Short (AMR)**	**Long (AMR)**
50 mm Connection	17 457.88	69 754.08	23 631.30	75 928.71	19 203.67	76 729.49	25 994.43	83 521.58	21 124.03	84 402.44	28 593.87	91 873.74	25 348.84	101 282.92	34 312.65	110 248.49
80 mm Connection	24 054.80	76 780.55	30 229.43	82 953.97	26 460.28	84 458.61	33 252.37	91 249.37	29 106.31	92 904.47	36 577.61	100 374.30	34 927.57	111 485.36	43 893.13	120 449.16
100 mm Connection	28 756.86	103 204.53	34 930.28	87 816.96	31 632.55	113 524.98	38 423.31	96 598.66	34 795.80	124 877.48	42 265.64	106 258.52	41 754.96	149 852.98	50 718.77	127 510.23
150 mm Connection	43 529.75	103 204.53	49 704.38	107 514.55	47 882.73	113 524.98	54 674.82	118 266.01	52 671.00	124 877.48	60 142.30	130 092.61	63 205.20	149 852.98	72 170.76	156 111.13
SUMMARY OF SEWER CONNECTION	**Short**	**Long**			**Short**	**Long**			**Short**	**Long**			**Short**	**Long**		
100 mm Sewer Connection	3 450.92	55 931.04	-	-	3 796.01	61 524.14	-	-	4 175.61	67 676.56	-	-	5 010.74	81 211.87	-	-
160 mm Sewer Connection	3 752.21	63 343.50			4 127.43	69 677.85			4 540.17	76 645.64			5 448.21	91 974.76		
SUMMARY OF METER TEST	**Cost**				**Cost**				**Cost**				**Cost**			
15mm Meter Test	857.89				943.68				1 038.05				1 245.66			
20mm Meter Test	888.14				976.95				1 074.65				1 289.58			
25mm Meter Test	1 320.11				1 452.12				1 597.33				1 916.80			
50mm Meter Test	1 783.54				1 961.89				2 158.08				2 589.70			
50mm Meter Test (connection)	3 551.35				3 906.49				4 297.13				5 156.56			
80mm Meter Test	2 446.62				2 691.28				2 960.41				3 552.49			
80mm Meter Test (connection)	4 656.08				5 121.69				5 633.86				6 760.63			
100mm Meter Test	3 109.70				3 420.67				3 762.74				4 515.28			
100mm Meter Test (connection)	5 317.95				5 849.75				6 434.72				7 721.66			
150 mm Meter Test	4 544.76				4 999.24				5 499.16				6 598.99			
150mm Meter Test (connection)	5 317.95				5 849.75				6 434.72				7 721.66			
200mm Meter Test	4 544.76				4 999.24				5 499.16				6 598.99			
200mm Meter Test (connection)	5 317.95				5 849.75				6 434.72				7 721.66			
15mm water meter KSM	424.71				467.18				513.90				616.68			
15mm water metered box	602.58				662.84				729.12				874.95			
20mm water meter KSM	441.65				485.82				534.40				641.28			
20mm water metered box	793.76				873.14				960.45				1 152.54			
25mm water meter KSM	1 007.93				1 108.72				1 219.60				1 463.51			
25mm water metered box	1 255.98				1 381.58				1 519.74				1 823.68			
50mm water meter	2 795.10				3 074.61				3 382.07				4 058.49			
50mm combination meter	9 014.50				9 915.95				10 907.55				13 089.05			
80mm water meter	3 557.40				3 913.14				4 304.45				5 165.34			
80mm combination meter	9 837.30				10 821.03				11 903.13				14 283.76			
100mm water meter	3 908.30				4 299.13				4 729.04				5 674.85			
100mm combination meter	10 890.00				11 979.00				13 176.90				15 812.28			
150mm water meter	6 352.50				6 987.75				7 686.53				9 223.83			
150mm combination meter	21 538.00				23 691.80				26 060.98				31 273.18			
Prepaid / smart meter 15 - 25 mm	3 025.00				3 327.50				3 660.25				4 392.30			
OTHER SERVICES																
Description																
WSDP Copy	280.72				308.79				339.67				407.61			
Water services bylaw copy	70.18				77.20				84.92				101.90			
Delivery of water by tankers	663.08				729.39				802.33				962.79			
Septic and sewer tank desludging	0,30 per liter				0,30 per liter				0,30 per liter				0,30 per liter			
Treated Water per kl	11.09				11.73				12.90				15.48			
Portable toilets hire	323.07				355.38				390.91				469.10			
Water quality check per parameter	Based on current rates of appointed service provider				Based on current rates of appointed service provider				Based on current rates of appointed service provider				Based on current rates of appointed service provider			
Night soil disposal per 5Kl or part	353.32				388.65				427.52				513.02			
Prepaid meter tag	127.05				139.76				153.73				184.48			
Rellocation of services	Quote on request				Quote on request				Quote on request				Quote on request			
Damage recovery	As per extent based on losses				As per extent based on losses				As per extent based on losses				As per extent based on losses			
Adjustment of manhole	Quote on request				Quote on request				Quote on request				Quote on request			

INDUSTRIAL EFFLUENT MONITORING

The following formula will apply for industrial effluent charges covering the conveyance, and treatment of industrial effluent.

$$Ti = C \times \frac{Qi}{Qt} \times [0,3 + 0,35\,Kc + 0,25\,Kn + 0,1\,Kp]$$

Where:

Ti = charge due in R/month

C = total cost of the sewerage undertaking of Rustenburg Local Municipality covering both treatment and conveyance and must include fixed, semi fixed and variable charges (R/month).

Qi = sewage flow from the industry in m3/month

Qt = sum of design capacities of all the waste water treatment works of the Rustenburg Local Municipality in m3/month

$$Kc = \frac{CODi}{CODt}$$

Where: CODi = industry sewage COD

CODt = target COD as published in Schedule A in the Bylaws in mg/ℓ

The ratio(Kc) is the larger of 1 or the actual ratio

$$Kn = \frac{TKNi}{TKNt}$$

Where: TKNi = the industry TKN

TKNt = target TKN as published in Schedule A in the Bylaws in mg/ℓ

The ratio(Kn) is the larger of 1 or the actual ratio

$$Kp = \frac{Pi}{Pt}$$

Where: Pi = Phosphate of industry in mg/ℓ

Pt = target Phosphate as published in Schedule A in these Bylaws in mg/ℓ

The ratio(Kp) is the larger of 1 or the actual ratio.

a. The factor of 0,3 represents the “fixed portion” of the costs. This is independent of the strength (or make-up of the sewage) and also deals with the conveyance costs.

b. The above formula is only applicable for the treatment of compliant effluent. If any constituent (heavy metals, any toxic substances etc.) exceeds the approved values, the municipality may introduce any of the following steps:
   i. Refuse to accept the effluent
   ii. Impose a fine on the industry
   iii. Insist on pre-treatment by the industry to render the effluent compliant prior to discharge to the municipal system.

c. Fines for contravening the allowable limits of constituents in industrial effluents.

d. The municipality sells treated sewage effluent to the mines as process water. There is stringent quality criteria associated with this and the mines may refuse to accept sub-standard effluent. In this case the municipality must provide them with potable water at no incremental cost. The one major concern is fats and oils in the effluent as that impact negatively on the mines processes.

e. The municipality will thus, in particular, enforce the fat and oil standards rigorously.

f. The fines will be implemented as follows:
   i. First written warning. No fine
   ii. Second contravention R10 000.00 fine regardless of quantity or quality
   iii. Subsequent contraventions:
   - Spot fines of the larger of R 10 000 or a flow related minimum fine of R5 per m3 or as per written approval
   - Refuse to accept the effluent