



**Quality of final effluent from waste-water treatment works
Gehalte van finale uitvloeisel by riolsuiweringswerke
April 2024 - November 2024**

Description of test Beskrywing van toets	Unit Eenheid	DWS General Authorisation Standards (Applicable to all WWTW's except Hermanus)	Average test results for final effluent test samples at: Gemiddelde toetsresultate van finale uitvloeiselmonsters vir:						Hermanus Permit Authorisation Standards
			Pearly Beach	Gansbaai	Hawston	Stanford	Kleinmond	Hermanus	
pH	(pH)	5.5-9.5	8,1	6,6	7,2	7,7	7,3	7,1	5.5-9.5
Electrical conductivity Elektriese geleidingsvermoë	(mS/m)	150	142	116	146	132	106	142	5000
Faecal coliform bacteria Fekale koliforme bakterie	(count/100ml)	1000	394	713	105	313	655	672	1000
Chemical oxygen demand Chemiese suurstofvraag	(mg/l)	75 Max	289	85	59	30	313	63	75 Max
Ammonia nitrogen Ammoniakstikstof	(mg/l as N)	6 Max	3	1	3	0	55	3	7 Max
Nitrate nitrogen Nitraatstikstof	(mg/l as N)	15 Max	1,9	10,4	2,6	6,2	2,4	2,2	17 Max
Nitrite nitrogen Nitrietstikstof	(mg/l as N)		0,4	0,3	0,4	0,1	0,9	0,9	
Total suspended solids Totale swewende vaste stowwe	(mg/l)	25 Max	87	7	2	2	7	3	25 Max
Ortho-phosphate Orto-fosfaat	(mg/l as P)	10 Max	4	6	6	4	2	3	10 Max

GEHALTE VAN BEHANDELDE RIOOLWATER-UITVLOEISEL

Die Departement van Water & Sanitasie (DWS) beveel aan dat munisipaliteite van tyd tot tyd inligting ten opsigte van die gehalte van die uitvloeisel van hul riolsuiweringswerke publiseer.

Die gehalte van die finale rioolwerke-uitvloeisel word gemeet teen standarde wat deur DWS gestel word, welke standarde as of Algemene Standarde of Spesiale Standarde geklassifiseer word.

Die tabel hierbo illustreer die gemiddelde metings by Munisipaliteit Overstrand se ses suiweringsaanlegte teenoor parameters wat vir die gehalte van uitvloeisel gestel word oor die afgelope 8 maande, vergeleke met die DWS se Standarde. Monsters word op 'n maandelikse basis vir ontleding deur geakkrediteerde laboratoria geneem.

In Munisipaliteit Overstrand voldoen die gehalte van die finale uitvloeisel van vuilwater in 89% van die gevalle.

In gevalle waar die toets resultate van die finale uitvloeiselmonster nie voldoen aan die standaard nie, word daar regstellings by die werke gedoen. Die afloopwater word dan weer getoets om te verseker dat alle parameters aan die standaard voldoen.

WASTE WATER EFFLUENT QUALITY AT MUNICIPAL SCHEMES

The Department of Water & Sanitation (DWS) recommends that municipalities periodically publish information on the quality of drinking water supplied to consumers as well as final waste water effluent quality results.

Waste water effluent quality is measured against standards as set by DWS, which are classified as either General Standards, or Special Standards.

The table for waste water effluent quality illustrates Overstrand Municipality's average effluent quality parameter measurements at the six treatment plants over the past 8 months. Samples are taken for analysis on a monthly basis by accredited laboratories.

Overstrand Municipality's final waste water effluent quality complies 89% overall.

When the final effluent quality does not comply with the General Standards, corrections are made at the treatment works. The final effluent quality is then re-tested against the General Standards for compliance.