



# GEHALTE VAN BEHANDELDE RIOOLWATER-UITVLOEISEL – April 2022 to September 2022

## WASTE WATER EFFLUENT QUALITY AT MUNICIPAL SCHEMES – April 2022 to September 2022

### UMGANGATHO WAMANZI KWIZIKIM ZIKAMASIPALA – Aprili 2022 to Septemba 2022

| DESCRIPTION OF TEST<br>BESKRYWING VAN TOETS            | UNIT<br>EENHEID | DWS<br>GENERAL<br>AUTHORISATION<br>STANDARDS | AVERAGE TEST RESULTS FOR FINAL EFFLUENT TEST SAMPLES AT: /<br>GEHALTE VAN FINALE UITVLOEISEL BY RIOOLSUIWERINGSWERKE: |           |         |          |           |          | Hermanus<br>Permit<br>Authorisation<br>Standards |
|--|-----------------|--|---|-----------|---------|----------|-----------|----------|--|
|  |                 |  | PEARLY BEACH  | GANSB.AAI | HAWSTON | STANFORD | KLEINMOND | HERMANUS |  |
| pH   | (pH)            | 5.5-9.5                                      | 8,9   | 6,8       | 7,6     | 8,0      | 7,5       | 7,6      | 5.5-9.5  |
| Electrical conductivity<br>Elektriese geleidingsvermoë | (mS/m)          | 150  | 168   | 132       | 166     | 144      | 122       | 186      | 5000   |
| Faecal coliform bacteria<br>Fekale koliforme bakterie  | (count/100ml)   | 1000   | 35  | 190       | 143     | 187      | 0         | 205      | 1000   |
| Chemical oxygen demand<br>Chemiese suurstofvraag       | (mg/l)          | 75 Max                                       | 282   | 44        | 99      | 28       | 108       | 38       | 75 Max   |
| Ammonia nitrogen<br>Ammoniakstikstof                   | (mg/l as N)     | 6 Max  | 1   | 1         | 25      | 1        | 55        | 3        | 7 Max  |
| Nitrate nitrogen<br>Nitraatstikstof                    | (mg/l as N)     | 15 Max                                       | 2,0   | 10,0      | 1,0     | 8,0      | 2,0       | 3,0      | 17 Max   |
| Nitrite nitrogen<br>Nitrietstikstof                    | (mg/l as N)     |  | 0,1   | 0,3       | 0,3     | 0,1      | 0,1       | 0,1      |  |
| Total suspended solids<br>Totale swewende vaste stowwe | (mg/l)          | 25 Max                                       | 93  | 2         | 20      | 2        | 22        | 2        | 25 Max   |
| Ortho-phosphate<br>Orto-fosfaat                        | (mg/l as P)     | 10 Max                                       | 3   | 5         | 6       | 4        | 4         | 3        | 10 Max   |

(Applicable to all WWTW's except Hermanus)

#### 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 six months. Samples are taken for analysis on a monthly basis by accredited laboratories.

Overstrand Municipality's final waste water effluent quality complies 85% 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.

#### 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 rioolsuiweringswerke publiseer.

Die gehalte van die finale rioolwerke-uitvloeisel word gemeet teen standaard wat deur DWS gestel word, welke standaard as of Algemene Standaard of Spesiale Standaard 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 ses maande, vergeleke met die DWS se Standaard. 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 85% 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.

#### UMGANGATHO WAMANZI KWIZIKIM ZIKAMASIPALA

ISebe leZamanzi (DWA) lindulula ukuba amaxesha ngamaxesha oomasipala mabazazise iinkukacha zomgangatho wamanzi okusela ababonelela ngawo abantu nomgangatho wamanzi amdaka.

Amanzi amdaka axilongwa ngokwamanqanaba abekwe nguDWA, achazwa njenge-General Standards, okanye i-Special Standards.

Itheyibhuli yokunyangwa kwamanzi amdaka ibonakalisa umndilili womgangatho wamanzi nezikhokelo kumaziko ama-6 kaMasipala weOverstrand kwiinyanga ezi-6 kuthelekiswa namanqanaba kaDWA. Kuthatyathwa amanzana athunyelwe kumaziko okuxilonga amanzi abhalisiweyo.

Umgangatho wamanzi kaMasipala weOverstrand uhambelana neGeneral Standard kuma-85% omndilili wemilinganiselo.

Xa amanzi okugqibela engahambelani neGeneral Standards, kulungiswa kumaziko onyango-manzi. Aphinda axilongwe kujongwe ukuba ayahambelana na neGeneral Standards.

