

QUALITY WATER SUPPLIED FROM ORANGE RIVER REGION (BETHULIE, GARIEP, TROMPSBURG, SPRINGFONTEIN, JAGERSFONTEIN, FAURESMITH AND PHILIPPOLIS)

JANUARY – SEPTEMBER 2015

Microbiological safety requirements

	Count/ml	Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
HPC	Count/100ml	0	99.0	100.0	461	0
E.Coli	Count/100ml	0	99.0	100.0	461	0
FC	Count/100ml	0	99.0	100.0	461	0

Physical and Chemical Requirements

		Class 1 Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
Conductivity	mS/m	150	95	100	101	0
pH	pH units	5.0 – 9.5	95	100	101	0
Turbidity	NTU	0 – 1.0	95	100	101	0
Chemical Requirements – macro-determinants						
Ammonia	mg/l as N	1	95	100	101	0
Calcium H	mg/l as Ca	500	95	100	101	0
Chloride	mg/l as Cl	200	95	100	101	0
Fluoride	mg/l as F	1	95	100	12	0
Magnesium H	mg/l as Mg	70	95	100	101	0
Potassium	mg/l as K	50	95	100	101	0
Chemical Requirements – micro-determinants						
Arsenic	µg/L as As	10	95	100	12	0
Iron	mg/L as Fe	0.2	95	100	12	0
Manganese	mg/L as Mn	0.1	95	100	12	0
Aluminium	mg/L as Al	0.3	95	100	101	0
Copper	mg/L as Cu	1	95	100	12	0
Chemical Requirements – macro-determinants						
DOC	mg/L as C	10	95	100	0	0
Total Trihalomethanes	µg/L	200	95	100	12	0

Orange River Region at Bethulie plant supplies water to Springfontein, Trompsburg and Bethulie. This water is tested regularly and is compared to the SANS 241.2011

Further information on the water quality of Bloemwater is also available at the following web site.

www.bloemwater.co.za

www.dwa.gov.za/mywater