

**NELSON MANDELA METROPOLITAN MUNICIPALITY
INFRASTRUCTURE & ENGINEERING BUSINESS UNIT
SUPPORT SERVICES
SCIENTIFIC SERVICES
CERTIFICATE OF ANALYSIS**

PARTICULARS OF SAMPLE: Treated Tap Water Samples for Bacteriological Analysis.

SUBMITTED BY : S. Tshayina

DATE RECEIVED : 2013/10/01

DATE OF REPORT : 2013/10/02

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Ndlambe Municipality P.O. Box 13 Port Alfred 6170 (Fax: 046 604 2751)

Sample Identification	1	2	3	4	5	6	7	8	9	10	SANS (Potable)	SANS (Operational)
	Alexandra	Kwa Nonqubela	Wintzel Park	Bathurst CBD	Bathurst Res.(treated)	Nolukhanyo	Bokness	Bushmans	Cannon Rocks	Endlovini		
TOTAL Coliforms per 100 ml	0	0	0	94	>300	>300	0	0	0	0	N/S	≤ 10
E.coli per 100 ml	0	0	0	0	0	0	0	0	0	0	0	0
<p>Comment :According to the new SANS 241:2011 Edition 1 for drinking water, Total coliform test is no longer a requirement for drinking water hence 'No Standard' (N/S) to compare results to, test done for information purposes only. However, for operational systems i.e Reservoirs and Waterworks, the standard applies as mentioned above.Sample results above comply based on E.coli test except sample #5 which fail Coliform test.</p> <p>This report relates only to sample/s supplied to the SCIENTIFIC SERVICES DIVISION and does not relate to similar samples. This report may not be reproduced, except in full, without the written approval of the Chief Scientific Officer. Although SCIENTIFIC SERVICES will endeavour to perform analyses correctly, neither SCIENTIFIC SERVICES nor its members shall be liable for loss or damage attributed directly or indirectly to the inaccuracy of analyses or their interpretation. Results not queried within 10 working days of the issuing of the report will result in the disposal of the original samples, unless SCIENTIFIC SERVICES DIVISION are advised to the contrary.</p>												
ASSISTANT DIRECTOR SCIENTIFIC SERVICES:												

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ALL SAMPLES WERE ANALYSED ACCORDING TO APPROVED 'STANDARD METHODS'

Sample Identification	11	12	13	14	15	16	17	18	19	20	SANS (Potable)	SANS (Operational)
	New rest	Nemato reservoir-treated	Station Hill	East Bank	West Bank	Kenton On Sea	Ekuphumleni	Klipfontein	Marselle	Seafield		
TOTAL Coliforms per 100 ml	1	3	>300	9	0	0	0	15	0	1	N/S	≤ 10
E.coli per 100 ml	0	0	0	0	0	0	0	0	0	0	0	0

Comment: According to the new SANS 241:2011 Edition 1 for drinking water, all samples comply based on the E.coli test.

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Ndlambe Municipality P.O. Box 13 Port Alfred 6170 (Fax: 046 604 2751) Tel # : 046 604 2750

ARTICULARS OF SAMPLE: Untreated Tap Water Samples for Bacteriological Analysis.

SUBMITTED BY : S Tshayina

DATE RECEIVED : 2013/10/01

DATE OF REPORT : 2013/10/02

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ALL SAMPLES WERE ANALYSED ACCORDING TO APPROVED

Sample #	21	22
Sample Identification	Bathurst reservoir-untreated	Nemato reservoir-untreated
TOTAL Coliforms per 100 ml	860	>3000
E.coli per 100 ml	<10	<10

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