



CK. 89/14418/23
REGEN WATERS
 LABORATORY • LABORATORIUM

4 Woltemade Street
 P.O. Box 8328
 WITBANK 1035
 Tel.: 013-690-1487
 Fax: 013-656-5050
 E-mail: regenlab@mweb.co.za

**MICROBIOLOGICAL ANALYSIS
 TEST REPORT**

Sample From:

**EMAKHAZENI LOCAL
 MUNICIPALITY**

Address: **P O Box 17
 Belfast
 1100**

Date Received: **29-Oct-18**
 Date Analyzed: **29-Oct-18**
 Date Reported: **31-Oct-18**
 Quantity Analyzed: **6**

Ref No: **J 1565 - 1570 / 18 B**

LAB REF ID	LAB NO	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
					≤ 10	Nil	Nil	≤ 1000	
					TOTAL COLIFORM BACTERIA PER / 100ML	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML	
		WATERVALBOVEN	YES	NO		A / B			
D	J 1565	EWB1/10/18 + EWB2/10/18: Water Works Inlet	X		613	B	9	4	83
D	J 1566	EWB3/10/18 + EWB4/10/18: Water Works Outlet Final	X		Nil	B	Nil	Nil	10
S	J 1567	EWB8/10/18 + EWB9/10/18: Sewerworks Outlet Final	X		-	B	>1000	-	-
D	J 1568	EWB16/16/18: Boven Reservoir	X		Nil	B	Nil	Nil	34
D	J 1569	EWB26/10/18+EWB27/10/18: Elandsrivier Before Sewer	X		>2420	B	780	649	260
D	J 1570	EWB28/10/18+EWB29/10/18: Elansrivier After Sewer	X		>2420	B	TNTC	>2420	560
METHOD USED					A- SANAS 5221 (CFU) OR B - COLILERT (MPN)		SANS 5221	COLILERT (MPN)	SANS 5221
REGEN WATERS METHOD : MLPM 4A AND 4 B									

S.A.N.S. 241-1:2015 MICROBIOLOGICAL REQUIREMENTS
 Allowable compliance for **DRINKING WATER**

Determinant	Risk	Unit	Standard limits
Escherichia Coliform / or Faecal Coliform bacteria	Acute Health - 1	Count per 100 ml	Not Detected
Heterotrophic Plate Count	Operational	Count per 1 ml	≤ 1 000
Total Coliform Bacteria	Operational	Count per 100 ml	≤ 10

Results exceeding alert levels will require immediate remedial action and follow-up sampling.

EFFLUENT WATER

Regional Standard (Department Water Affairs and Forestry) of 26 March 2004 No.399 for Waste water specifies : Waste water or Effluent shall not contain more than 1000 Faecal Coliform per 100 ml.

These results relate only to samples tested.

Opinions and interpretations expressed herein are outside the scope of SANAS accreditation.

- Samples highlighted in grey are not within the limits as specified.

REMARKS:

a.) #NAME?

b.) #NAME?

P.L.G UYS / A. KOHRS

Technical Signatory

(A signed copy of this report is available)

SANS
241-1
Edition 2
2015