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MICROBIOLOGICAL ANALYSIS TEST REPORT

Sample From: EMAKHAZENI LOCAL MUNICIPALITY

Address: P O Box 17

Belfast

1100

Attention: Marianne Joubert

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Date Received: 14 March 2019

Date Analyzed: 14 March 2019

Date Reported: 16 March 2019

Quantity Analyzed: 3

Ref No: C 672 - 674 / 19 B

LAB REF ID	LAB NUMBER	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
					≤ 10 TOTAL COLIFORM BACTERIA PER / 100ML	Nil FAECAL COLIFORM PER / 100 ML	Nil ESCHERISCHIA COLIFORM PER 100 ML	≤ 1000 HETEROTROPHIC PLATE COUNT PER 1.0 ML	
		DULLSTROOM	YES	NO		A / B			
D	C 672	EDS1/3/19: Dullstroom Waterworks Inlet	x		172	B	Nil	Nil	123
D	C 673	EDS3/3/19: Dullstroom Waterworks Final	x		>200	B	Nil	Nil	176
S	C 674	EDS8/3/19: Dullstroom Sewerworks Final	x		-	B	>1000	-	-
METHOD USED					A- SANAS 5221 (CFU) OR B - COLILERT (MPN)	SANS 5221 (CFU)	COLILERT (MPN)	SANS 5221 (CFU)	
REGEN WATERS METHOD : MLPM 4A AND 4 B									

S.A.N.S. 241:2015 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.) Samples EDS1/3/19: Dullstroom Waterworks Inlet and EDS3/3/19: Dullstroom Waterworks Final have Total Coliform counts not within the SANS 241:2015 limit. These bacteria are not pathogenic (disease forming) but it is advised to chlorinate these water samples for total disinfection.

P.L.G UYS / A. KOHRS
Technical Signatory

SANS 241 2015