

BACTERIOLOGICAL ANALYSIS WATER SAMPLES

SAMPLE FROM : Hendrina Power Station

TYPE OF SAMPLE : As Noted

DATE : 7-Jan-10

Sampling Points	Total Coliform Bacteria per 100ml *	Faecal Coliform per 100ml *	Escherischia Coliform per 100 ml *	Heterotrophic Plate Count per 1,0 ml
Main Lab Drinking Water	Nil	Nil	-	129
Optimum Mine Drinking Water	Nil	Nil	-	514
Water Treatment Plant	Nil	Nil	-	Nil
Sewage Pumphouse D / W	Nil	Nil	-	19

* IDEXX – Colilert Method
S.A.N.S. Specification 241 for Domestic water, specifies

	<i>Determinant</i>	<i>Counts of samples</i>	<i>Alert level</i>
1.	Heterotrophic Plate Count	Count per 1 ml	5000
2.	Total Coliform Bacteria	Count per 100 ml	10
3.	Faecal Coliform Bacteria	Count per 100 ml	NIL
4.	Escherichia Coliform	Count per 100 ml	NIL

Regional Standards (Department Water Affairs and Forestry) of 26 March 2004 No.399 for Waste water specifies :

Waste water or Effluent shall not contains more than 1000 Faecal Coliform per 100 ml.

REMARKS :

- a** All these samples fulfil the bacteriological criteria as specified by the SANS 241 for human consumption.
- b** No pathogenic bacteria were present in any of these samples.

P.L.G. UYS (M.D)

BACTERIOLOGICAL ANALYSIS WATER SAMPLES

SAMPLE FROM : Hendrina Power Station

TYPE OF SAMPLE : As Noted

DATE : 9-Feb-10

Sampling Points	Total Coliform Bacteria per 100ml *	Faecal Coliform per 100ml *	Escherischia Coliform per 100 ml *	Heterotrophic Plate Count per 1,0 ml
Lab	Nil	Nil	-	57
Optimum Coll	Nil	Nil	-	14
Water Treatment Plant	Nil	Nil	-	8
Sewage Pumphouse D / W	Nil	Nil	-	4

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BACTERIOLOGICAL ANALYSIS WATER SAMPLES

SAMPLE FROM : Hendrina Power Station

TYPE OF SAMPLE : As Noted

DATE : 4-Mar-10

Sampling Points	Total Coliform Bacteria per 100ml *	Faecal Coliform per 100ml *	Escherischia Coliform per 100 ml *	Heterotrophic Plate Count per 1,0 ml
Lab	Nil	Nil	-	Nil
Optimum Coll	Nil	Nil	-	13
Water Treatment Plant	Nil	Nil	-	Nil
Sewage Pumphouse D / W	Nil	Nil	-	Nil

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