



REGEN WATERS

LABORATORY • LABORATORIUM

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MICROBIOLOGICAL ANALYSIS TEST REPORT

Sample From: **Komati Power Station** Address: *Private Bag BLINKPAN*
 Date Received: *22-Jul-11* *2250*
 Date Analyzed: *22-Jul-11*
 Date Reported: *23-Jul-11*
 Quantity Analyzed: *6*

STERILIZED BOTTLE		SAMPLE NAME	TOTAL COLIFORM BACTERIA PER / 100ML	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML
YES	NO					
x		<i>Blinkpan Club</i>	<i>Nil</i>	<i>-</i>	<i>Nil</i>	<i>3</i>
x		<i>Koorfontein Mine</i>	<i>Nil</i>	<i>-</i>	<i>Nil</i>	<i>3</i>
x		<i>Municipality</i>	<i>Nil</i>	<i>-</i>	<i>Nil</i>	<i>6</i>
x		<i>Police Station</i>	<i>Nil</i>	<i>-</i>	<i>Nil</i>	<i>6</i>
x		<i>Raw Water</i>	<i>>200</i>	<i>-</i>	<i>Nil</i>	<i>132</i>
x		<i>Water Plant</i>	<i>Nil</i>	<i>-</i>	<i>Nil</i>	<i>15</i>
METHOD USED			SANAS 5221 OR COLILERT	SANS 5221	COLILERT	SANS 5221

S.A.N.S. 241 MICROBIOLOGICAL REQUIREMENTS

Allowable compliance for **DRINKING WATER**

Determinant	Units	Allowable compliance
<i>Escherichia Coliform / or Faecal Coliform bacteria</i>	<i>Count per 100 ml</i>	<i>NIL</i>

Operational water Quality ALERT levels:

Determinant	Units	Alert level
<i>Heterotrophic Plate Count</i>	<i>Count per 1 ml</i>	<i>5000</i>
<i>Total Coliform Bacteria</i>	<i>Count per 100 ml</i>	<i>10</i>

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 species : 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.

REMARKS:

SANS
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P.L.G UYS
MANAGER