

Water, Sewage & Industrial Effluent Testing Laboratory

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17 April 2014

Ad/Rout/Apr/M23

Director Engineering Services
Ilembe District Municipality
P O Box 1788
4450 KWADUKUZA

by e-mail: Group 3 Details

Dear Sir

**ENVIRONMENTAL MONITORING
MANDENI RIVER SURVEY
APRIL 2014**

Samples were collected from identified stream points on 07th April 2014 in accordance with our yearly visit schedule. Our report follows and the analysis results are appended on the attached Certificate of Analysis.

1. Point No 1

The chemical quality of the sample taken at point no.1, upstream of the Sundumbili waste water works, was satisfactory. Chemical oxygen demand (COD) concentration at < 20mg/l improved and was below the limits when compared to the previous month. The colour measured showed drastic improvement compared to the month of March 2014.

2. Point No 2

The chemical quality of the sample taken at point no.2, downstream of the Sundumbili maturation pond outfall, deteriorated slightly regarding the COD parameter. This sample indicated considerable improvement with regards to the colour concentration.

3. Point No 3

The chemical quality of the sample taken at point no.3, below the old outfall from the Sappi Mill, shown considerable improvement with regards to the colour concentration. The COD and ammonia concentrations was within the limits.

4. Point No 4

The chemical quality of the sample taken at point no.4, discharge to Tugela river, for April samples shown considerable improvement compared to the March samples regarding the colour concentration. The COD and ammonia concentrations complied for the month of April 2014.

Yours faithfully

B. N. KIRK (NATAL) CC

A handwritten signature in blue ink, appearing to read 'Veemesh Dhevnanan', is written over a faint, circular official stamp.

**VEEMESH DHEVNANAN
PROCESS TECHNICIAN**