

# EMAKHAZENI LOCAL MUNICIPALITY

## CERTIFICATE OF ANALYSIS FOR WASTE-WATER AND EFFLUENTS

Date Received: 29 August 2018  
 Date Reported: 3 September 2018  
 Quantity Analyzed: 6

Our Ref: ELM / 78 - 83 / 1 / 08 / 18
Att : Marianne Joubert

### LEEUSPRUIT RIVER

Lab No:

180

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ANALYSIS RESULTS mg /l	LPM METHOD		
		MH6/8/18	MH8/8/18
		Before Sewer Works	After Sewer Works
<b>Total Dissolved Solids</b>	LPM 2	156	182
<b>Suspended Solids</b>	LPM 1	2,8	10,8
<b>Conductivity in mSm</b>	LPM 51/82	24,6	30,4
<b>Chemical Oxygen Demand</b>	LPM 6	<10	14
<b>Free and Saline Ammonia as N</b>	LPM 76	<0.20	2,93
<b>Nitrate NO<sub>3</sub> as N</b>	LPM 76	0,13	0,30
<b>Nitrite NO<sub>2</sub> as N</b>	LPM 76	<0.1	<0.1
<b>Ortho -Phosphate PO<sub>4</sub> as P</b>	LPM 76	<0.1	0,34
<b>Chlorides as Cl</b>	LPM 76	10,3	15,1
<b>Total Alkalinity as CaCO<sub>3</sub></b>	LPM 11/81	108	130
<b>pH Value at 25°C (pH Units)</b>	LPM 51/82	7,89	7,92

*All heavy metal analyses have been performed on filtered samples.  
 Tests marked with an asterisk \* are not SANAS accredited  
 These results are related only to the items tested*

  
**P.L.G. UYS (M.D.)**  
 Technical Signatory