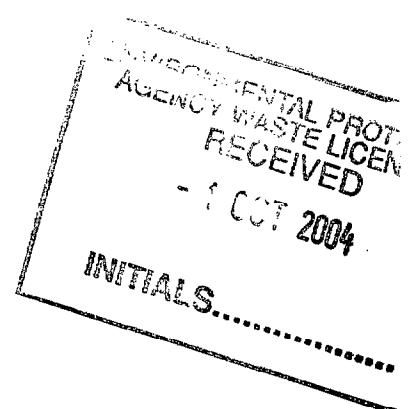




Waste Licence Application  
AVR – Environmental Solutions Ltd.

## Attachment I

For inspection purposes only.  
Consent of copyright owner required for any other use.



## Attachment I 2: Assessment of Impacts on surface water discharges on the receiving waters

**Table I.2(i) SURFACE WATER QUALITY**

(Sheet 1 of 2) Monitoring Point/ Grid Reference: not applicable

Parameter	Results (mg/l)				Sampling method <sup>2</sup> (grab, drift etc.)	Normal Analytical Range <sup>2</sup>	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH <sub>4</sub> -N							
Chemical oxygen demand							
Biochemical oxygen demand							
Dissolved oxygen DO							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							

For inspection purposes only.  
Consent of copyright owner required for any other use.

## Surface Water Quality (Sheet 2 of 2)

Parameter	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Zinc Zn							
Total alkalinity (as CaCO <sub>3</sub> )							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Nitrite NO <sub>2</sub>							
Nitrate NO <sub>3</sub>							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Phosphate PO <sub>4</sub>							

For inspection purposes only:  
Consent of copyright owner required for any other use

## Attachment I 4: Assessment of the Impact to Groundwater and Soils

**Table I.4(i) GROUNDWATER QUALITY**

(Sheet 1 of 2) Monitoring Point/ Grid Reference: not applicable

Parameter	Results (mg/l)				Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH <sub>4</sub> -N							
Dissolved oxygen DO							
Residue on evaporation (180°C)							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Cyanide Cn, total							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

For inspection purposes only.  
 Consent of copyright owner required for any other use.

**GROUNDWATER QUALITY (SHEET 2 OF 2)**

Item	Results (mg/l)				Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
4							
<b>Sulphate SO<sub>4</sub></b>							
<b>Zinc Zn</b>							
<b>Total alkalinity (as CaCO<sub>3</sub>)</b>							
<b>Total organic carbon TOC</b>							
<b>Total oxidised nitrogen TON</b>							
<b>Arsenic As</b>							
<b>Barium Ba</b>							
<b>Boron B</b>							
<b>Fluoride F</b>							
<b>Phenol</b>							
<b>Phosphorus P</b>							
<b>Selenium Se</b>							
<b>Silver Ag</b>							
<b>Nitrite NO<sub>2</sub></b>							
<b>Nitrate NO<sub>3</sub></b>							
<b>Faecal coliforms (/100mls)</b>							
<b>Total coliforms (/100mls)</b>							
<b>Water level (m OD)</b>							

Consent of copyright owner required for any other use.

## Attachment I 6: Noise Impact

**Table I.6(i) Ambient Noise Assessment**

*Third Octave analysis for noise emissions should be used to determine tonal noises*

	National Grid Reference  (5N, 5E)	Sound Pressure Levels		
		L(A) <sub>eq</sub>	L(A) <sub>10</sub>	L(A) <sub>90</sub>
<b>1. SITE BOUNDARY</b>				
Location 1:		54	48	41
Location 2:				
Location 3:				
<b>2. NOISE SENSITIVE LOCATIONS</b>				
Location 1:		66	69	45

NOTE: All locations should be identified on accompanying drawings.

For more information on the ambient noise assessment refer to Section 6 and Appendix 6 of the Environmental Impact Statement in Attachment B3. Figure F.2 in Attachment F of this application .

Consent of copyright owner required for any other use.