

APPENDIX 3.2.3.1

AGA WQ Analysis Appendix 5_June-October 2003a

**(Averaged Data ?) (Original data not seen)
Table edited to conform with EU MSSP EIS Table**

AGA WQ Analysis Appendix 5 June-October 2003a														
Station name	Units	Heap Pad Seepage1	Heap Pad Seepage 2	Mixture S1 & S2	Abomaaawra Stream	Esujah North Pit er	Esujah South Pit	Asanka Stream	Chirawewa Pit	Fetish South Pit	Danyami Stream	South Bokitsi West Extension	GSB/GWC Guideline	WHO DW Guidelines
Station Code		S1	S2	S3	S4	S5	S6	S8	S9	S10	S11	S14		
pH		11.0	11.1	8.6	8.5	6.8	8.2	7.1	6.6	6.8	8.1	6.0	6.5 -9.5	6.5 -9.5
Conductivity	uS/cm	889	957	510	577	63	399	106	70	46	438	35		
Apparent Colour														
True Colour													15	15
DO		5.4	5.5	5.9	5.5	5.9	5.9	5.7	5.2	6.1	5.7	5.4		
Turbidity	NTU	510	93	1092	1360	1561	20	40	21	182	180	93	5	5
TDS		328	375	202	249	24.8	149	18	146	175	38		1000	1000
TSS	mg/l	1347	122	165	520	712	17	40						
COD	mgO/l													
BOD	mgO/l	3.87	5.70	1.88	3.67	0.37	5.75	0.15	0.40	4.26	0.51			
NO3	mg/l												50	50
SO4	mg/l												250	250
Alkalinity	mg/l													
Cl	mg/l	18.85	20.70	11.56	11.35	3.72	10.30	5.65	6.02	3.12	12.57	3.83	250	250
S	mg/l	87.7	106.2	62.6	25.4	4.16	18.0	0.66	6.74	4.88	35.5	2.84		
Ca	mg/l													
Mg	mg/l													
Na	mg/l												200	200
K	mg/l													
F	mg/l												1.5	1.5
Fe	mg/l	0.61	1.00	0.19	0.38	0.06	0.06	1.45	0.05	0.02	0.07	0.04	0.3	0.3
Mn	mg/l												0.5	0.5
Al	mg/l												0.2	0.2
Si	mg/l													
Ag	mg/l													
As	mg/l	2.16	232	0.50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01
Ba	mg/l													
Cd	mg/l												0.003	0.003
Co	mg/l													
Cr	mg/l												0.05	0.05
Cu	mg/l	0.01	0.09	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	2	1
Hg	mg/l												0.01	0.01
Mo	mg/l													70
Ni	mg/l												0.02	0.02
P	mg/l													
Pb	mg/l	0.03	0.15	0.01	0.03	0.02	0.20	0.04	0.07	0.01	0.01	0.06	0.01	0.01
Se	mg/l													
Sr	mg/l													
U	mg/l													
Zn	mg/l												3	3
Cyanide Total	mg/l	0.01	0.33	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide Free	mg/l												0.01	0.07