



Taseko Prosperity Gold-Copper Project

Appendix 3-7-P

CLIENT : SRK Consulting
PROJECT : Taseko
SRK Project # : 1CT 013.000
CEMI Project # : 0697
Test : 24 Hour NanoPure Water Leach Extraction Test at 3:1 Liquid to Solid Ratio
Date : March 26/27, 2008

Leachate Analysis

Sample ID			DDH 295 421955	DDH 295 421956	DDH 295 421957	DDH 295 421958	DDH 295 421959
Parameter	Method	Units					
Volume Nanopure Water		mL	750	750	750	750	750
Sample Weight		g	250	250	250	250	250
pH	meter		7.63	7.94	7.80	7.76	7.78
Redox	meter	mV	444	431	426	430	427
Conductivity	meter	uS/cm	67	186	84	219	264
Acidity (to pH 4.5)	titration	mg CaCO3/L	#N/A	#N/A	#N/A	#N/A	#N/A
Total Acidity (to pH 8.3)	titration	mg CaCO3/L	3.0	2.9	3.2	3.9	3.7
Alkalinity	titration	mg CaCO3/L	34.7	79.3	45.2	58.8	54.4
Chloride		mg/L	0.6	0.8	<0.5	12.1	25.4
Sulphate	Turbidity	mg/L	1	17	3	43	101
Ion Balance							
Major Anions	Calc	meq/L	0.73	1.96	0.97	2.41	3.91
Major Cations	Calc	meq/L	0.75	2.07	0.95	2.34	2.77
Difference	Calc	meq/L	-0.02	-0.11	0.02	0.07	1.14
Balance (%)	Calc	%	-1.1%	-2.7%	0.9%	1.5%	17.1%
Dissolved Metals							
Hardness CaCO3		mg/L	26	59.2	25.9	94.7	105
Aluminum Al	ICP-MS	mg/L	0.0452	0.0328	0.0212	0.0245	0.0104
Antimony Sb	ICP-MS	mg/L	0.00017	0.00036	0.0004	0.00172	0.00314
Arsenic As	ICP-MS	mg/L	0.00092	0.00226	0.00516	0.0154	0.00226
Barium Ba	ICP-MS	mg/L	0.00201	0.0293	0.0034	0.0154	0.0134
Beryllium Be	ICP-MS	mg/L	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Bismuth Bi	ICP-MS	mg/L	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005
Boron B	ICP-MS	mg/L	0.007	0.177	0.011	0.03	0.014
Cadmium Cd	ICP-MS	mg/L	<0.000005	0.000012	0.000012	0.000045	0.000026
Calcium Ca	ICP-MS	mg/L	7.14	22.1	6.51	23.1	25.8
Chromium Cr	ICP-MS	mg/L	0.0002	0.0002	0.0002	0.0007	0.0003
Cobalt Co	ICP-MS	mg/L	0.000043	0.000038	0.000038	0.000464	0.000302
Copper Cu	ICP-MS	mg/L	0.00225	0.00335	0.00963	0.0111	0.00657
Iron Fe	ICP-MS	mg/L	0.024	0.015	0.008	0.032	0.014
Lead Pb	ICP-MS	mg/L	0.000037	0.000048	0.000033	0.00006	0.000062
Lithium Li	ICP-MS	mg/L	<0.0005	0.0008	0.0008	0.0021	0.0013
Magnesium Mg	ICP-MS	mg/L	2	0.99	2.35	8.98	9.81
Manganese Mn	ICP-MS	mg/L	0.0126	0.0239	0.031	0.174	0.221
Mercury Hg	CVAA	ug/L	0.02	0.04	0.01	0.09	0.04
Molybdenum Mo	ICP-MS	mg/L	0.00111	0.00358	0.00057	0.0533	0.0112
Nickel Ni	ICP-MS	mg/L	0.00114	0.00031	0.00095	0.00399	0.00297
Phosphorus P	ICP-MS	mg/L	0.022	0.013	0.04	0.016	0.016
Potassium K	ICP-MS	mg/L	1	1.76	2.65	7.09	5.04
Selenium Se	ICP-MS	mg/L	0.00009	0.00456	0.00081	0.00158	0.0015
Silicon Si	ICP-MS	mg/L	5.26	3.04	5.73	3.82	3.5
Silver Ag	ICP-MS	mg/L	<0.000005	<0.000005	0.000006	0.00001	0.00001
Sodium Na	ICP-MS	mg/L	4.61	19.4	8.33	6.18	12.5
Strontium Sr	ICP-MS	mg/L	0.0298	0.179	0.0403	0.131	0.147
Sulphur (S)	ICP-MS	mg/L	<3	8	<3	28	47
Thallium Tl	ICP-MS	mg/L	0.000004	0.000007	<0.000002	0.000004	0.000003
Tin Sn	ICP-MS	mg/L	<0.00001	0.00002	0.00002	0.00002	0.00002
Titanium Ti	ICP-MS	mg/L	0.0018	0.0013	0.0009	0.0031	0.0009
Uranium U	ICP-MS	mg/L	0.000028	0.00109	0.000047	0.0008	0.000858
Vanadium V	ICP-MS	mg/L	0.0025	0.0019	0.0259	0.036	0.0065
Zinc Zn	ICP-MS	mg/L	0.0014	0.0014	0.0009	0.0019	0.0027
Zirconium Zr	ICP-MS	mg/L	<0.0001	<0.0001	<0.0001	0.0002	0.0001

CLIENT : SRK Consulting
PROJECT : Taseko
SRK Project # : 1CT 013.000
CEMI Project # : 0697
Test : 24 Hour NanoPure Water L
Date : March 26/27, 2008

Leachate Analysis

Sample ID			DDH 295 421960	DDH 295 421961	DDH 295 421963	TP 7AT	TP 7BT
Parameter	Method	Units					
Volume Nanopure Water		mL	750	750	750	750	750
Sample Weight		g	250	250	250	250	250
pH	meter		7.76	7.78	7.92	7.44	7.31
Redox	meter	mV	421	426	409	412	423
Conductivity	meter	uS/cm	222	219	118	26	30
Acidity (to pH 4.5)	titration	mg CaCO3/L	#N/A	#N/A	#N/A	#N/A	#N/A
Total Acidity (to pH 8.3)	titration	mg CaCO3/L	4.3	3.9	3.5	3.0	3.1
Alkalinity	titration	mg CaCO3/L	44.5	57.3	59.6	11.4	13.6
Chloride		mg/L	7.9	5.8	0.5	<0.5	<0.5
Sulphate	Turbidity	mg/L	69	47	5	2	2
Ion Balance							
Major Anions	Calc	meq/L	2.55	2.29	1.31	0.27	0.31
Major Cations	Calc	meq/L	2.22	2.26	1.31	0.28	0.31
Difference	Calc	meq/L	0.33	0.03	0.00	-0.01	0.00
Balance (%)	Calc	%	6.9%	0.6%	-0.2%	-1.1%	-0.1%
Dissolved Metals							
Hardness CaCO3		mg/L	81.8	75.3	45.4	9.6	11.9
Aluminum Al	ICP-MS	mg/L	0.0184	0.0327	0.0289	0.0334	0.0333
Antimony Sb	ICP-MS	mg/L	0.00633	0.00376	0.00043	0.00016	0.00023
Arsenic As	ICP-MS	mg/L	0.0113	0.0226	0.00432	0.00069	0.00054
Barium Ba	ICP-MS	mg/L	0.0123	0.00937	0.00148	0.00162	0.00134
Beryllium Be	ICP-MS	mg/L	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Bismuth Bi	ICP-MS	mg/L	0.000006	0.000006	0.000006	<0.000005	<0.000005
Boron B	ICP-MS	mg/L	0.026	0.024	0.011	0.006	0.008
Cadmium Cd	ICP-MS	mg/L	0.00003	0.000036	0.000009	0.000006	0.000005
Calcium Ca	ICP-MS	mg/L	19.1	18.1	12.3	2.41	2.97
Chromium Cr	ICP-MS	mg/L	0.0007	0.0003	0.0002	0.0003	0.0003
Cobalt Co	ICP-MS	mg/L	0.000434	0.000136	0.000064	0.000064	0.000031
Copper Cu	ICP-MS	mg/L	0.0238	0.0195	0.00296	0.00538	0.00272
Iron Fe	ICP-MS	mg/L	0.028	0.03	0.038	0.068	0.064
Lead Pb	ICP-MS	mg/L	0.000068	0.000094	0.000056	0.000046	0.000075
Lithium Li	ICP-MS	mg/L	0.0017	0.0019	0.001	<0.0005	<0.0005
Magnesium Mg	ICP-MS	mg/L	8.28	7.32	3.57	0.87	1.08
Manganese Mn	ICP-MS	mg/L	0.0781	0.0693	0.0286	0.00906	0.00473
Mercury Hg	CVAA	ug/L	0.03	0.06	0.03	0.02	0.02
Molybdenum Mo	ICP-MS	mg/L	0.0344	0.0435	0.00113	0.00031	0.00023
Nickel Ni	ICP-MS	mg/L	0.00432	0.00172	0.0017	0.00074	0.00058
Phosphorus P	ICP-MS	mg/L	0.106	0.072	0.045	0.036	0.021
Potassium K	ICP-MS	mg/L	4.31	4.42	2.01	0.64	0.47
Selenium Se	ICP-MS	mg/L	0.00375	0.00657	0.0326	0.00034	0.00014
Silicon Si	ICP-MS	mg/L	8.34	6.35	7.17	5.17	4.97
Silver Ag	ICP-MS	mg/L	0.00002	0.000041	0.000007	0.000008	0.000006
Sodium Na	ICP-MS	mg/L	10.9	14.8	8.18	1.55	1.47
Strontium Sr	ICP-MS	mg/L	0.111	0.14	0.0884	0.0128	0.0135
Sulphur (S)	ICP-MS	mg/L	36	26	3	<3	<3
Thallium Tl	ICP-MS	mg/L	0.000008	0.000008	0.000004	<0.000002	0.000003
Tin Sn	ICP-MS	mg/L	0.00002	0.00001	0.00001	0.00001	0.00002
Titanium Ti	ICP-MS	mg/L	0.0055	0.0081	0.0019	0.0032	0.0026
Uranium U	ICP-MS	mg/L	0.000399	0.00902	0.000195	0.000011	0.000007
Vanadium V	ICP-MS	mg/L	0.0158	0.0816	0.0527	0.0045	0.0026
Zinc Zn	ICP-MS	mg/L	0.0006	0.0012	0.0046	0.0016	0.001
Zirconium Zr	ICP-MS	mg/L	0.0002	0.0003	<0.0001	0.0001	<0.0001