

Exhibit 4.1.23 Rosia Montana Site Water Balance

ROSIA MONTANA SITE WATER BALANCE													
FLOW SUMMARY (all flows in m3/hr)													
Stream	Description	Average Conditions (m3/hr)				Wet Conditions (m3/hr)				Dry Conditions (m3/hr)			
		Yr 3	Yr 10	Yr 15	Yrs 1-17	Yr 3	Yr 10	Yr 15	Yrs 1-17	Yr 3	Yr 10	Yr 15	Yrs 1-17
1	Inflows to fresh water surge tank	239,20	239,20	251,34	238,20	231,00	231,00	251,34	232,08	288,61	239,20	251,34	247,51
2	Inflow to external camp water system	8,00	8,00	8,00	7,88	8,00	8,00	8,00	7,88	8,00	8,00	8,00	7,88
3	Inflow to fresh water storage tank	231,20	231,20	243,34	230,32	223,00	223,00	243,34	224,20	280,61	231,20	243,34	239,63
4	Process water distribution to ore processing facilities and ARD treatment plant	226,20	226,20	238,34	225,32	218,00	218,00	238,34	219,20	275,61	226,20	238,34	234,63
5	Potable water supply	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00
6	Fresh water to operations	210,40	210,40	210,40	207,35	210,40	210,40	210,40	207,35	259,81	210,40	210,40	216,66
7	Fresh water to ARD treatment plant	15,80	15,80	27,94	17,97	7,60	7,60	27,94	11,85	15,80	15,80	27,94	17,97
8	Process losses	10,20	10,20	10,20	10,05	10,20	10,20	10,20	10,05	10,20	10,20	10,20	10,05
9	Tailings slurry to TMF	1.575,74	1.575,74	1.575,74	1.552,90	1.575,74	1.575,74	1.575,74	1.552,90	1.575,74	1.575,74	1.575,74	1.552,90
10	TMF reclaim water to process water tank	1.119,39	1.226,97	1.278,15	1.183,55	1.253,77	1.268,09	1.268,09	1.240,58	1.071,74	1.125,71	1.193,60	1.107,54
11	Total reclaim water, TMF and ARD treatment, to process facilities	1.278,15	1.278,15	1.278,15	1.259,69	1.268,09	1.268,09	1.268,09	1.249,84	1.233,72	1.283,13	1.283,13	1.255,21
12	Moisture in ore	78,10	78,10	78,10	76,97	78,10	78,10	78,10	76,97	78,10	78,10	78,10	76,97
13	Waste water to sewage treatment	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00
14	Treated water from sewage treatment	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00
15	Water retained in settled tails and ARD underflow solids	625,53	587,44	551,24	583,38	625,72	587,83	551,54	583,68	625,40	587,24	551,11	583,23
16	Seepage from TMF to secondary containment	13,37	29,38	40,82	27,10	13,37	29,38	40,82	27,10	13,37	29,38	40,82	27,10
17	Precipitation and run-on to secondary containment	29,29	31,93	32,03	31,11	48,24	52,59	52,76	51,24	20,10	21,91	21,98	21,35
18	Evaporation from secondary containment	0,77	0,77	0,77	0,77	0,61	0,61	0,61	0,61	1,16	1,16	1,16	1,16
19	Pump back, secondary containment to TMF	41,88	60,54	72,08	57,44	60,99	81,36	92,97	77,73	32,31	50,14	61,65	47,29
20	Evaporation from TMF	40,51	30,92	34,17	35,24	37,21	63,64	103,36	64,32	25,80	43,15	46,16	37,25
21	Precipitation on TMF decant pond	63,56	46,38	49,39	53,31	104,69	76,40	81,36	87,81	43,62	31,83	33,90	36,59
22	Dust control water	12,42	12,42	12,42	12,41	12,42	12,42	12,42	12,41	12,42	12,42	12,42	12,41
23	Run-off and seepage into TMF from all surrounding sources	115,48	187,36	206,76	171,51	190,18	308,56	340,56	294,52	79,27	128,60	141,89	117,60
24	All run-on and groundwater into Cetate Pond	230,91	349,06	218,24	276,70	347,20	541,80	359,47	433,54	174,53	253,29	149,77	200,66
25	Evaporation from Cetate Pond	6,25	6,25	6,25	6,25	4,96	4,96	4,96	4,95	9,38	9,38	9,38	9,37
26	Direct precipitation on Cetate Pond	9,63	9,63	9,63	9,62	15,85	15,85	15,85	15,84	6,61	6,61	6,61	6,60
27	Flow from Cetate Pond to ARD treatment plant	231,81	350,40	220,57	279,66	313,92	565,31	403,47	443,29	170,72	249,48	145,96	197,47
28	Evaporation from Cirnic pond	1,14	1,14	0,00	0,73	0,90	0,90	0,00	0,58	1,70	1,70	0,00	1,10
29	Direct precipitation on Cirnic pond	1,75	1,75	0,00	1,13	2,88	2,88	0,00	1,86	1,20	1,20	0,00	0,78
30	Seepage and runoff from Cirnic waste rock dump	46,18	49,63	44,17	44,29	78,12	81,75	72,75	81,99	31,69	34,06	30,31	30,40
31	Cirnic pond to ARD treatment	46,47	50,17	0,00	31,50	78,48	77,09	0,00	49,51	31,12	33,50	0,00	21,12
32	ARD underflow solids	2,83	4,04	2,26	3,16	3,96	6,44	4,07	4,95	2,07	2,88	1,52	2,24
33	Treated water from ARD treatment system	291,25	412,33	246,25	325,97	396,04	643,57	427,34	499,70	215,57	295,90	172,37	234,32
34	ARD treatment reclaim water to process water tank	158,76	51,17	0,00	76,15	14,32	0,00	0,00	9,26	161,98	157,42	89,53	147,67
35	Environmental discharge from ARD treatment	120,08	348,74	233,83	237,42	369,30	631,15	414,92	478,03	41,18	126,06	70,43	74,24
36	Reagents used in the processing facility	4,10	4,10	4,10	4,04	4,10	4,10	4,10	4,04	4,10	4,10	4,10	4,04
37	Seepage from Secondary Containment Pond (during bypass conditions only)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
39	Direct precipitation and run-on to plant site pond	15,46	15,46	15,46	15,45	25,46	25,46	25,46	25,44	10,61	10,61	10,61	10,60
40	Flow from plant site pond to operations	15,19	15,19	15,19	14,90	25,25	25,25	25,25	24,75	10,21	10,21	10,21	10,07
41	Cirnic Pond Environmental Discharge	0,00	0,00	44,17	12,98	0,00	0,00	72,75	21,38	0,00	0,00	30,31	8,91
42	Seepage from Cetate pond	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04	1,04
43	Seepage from Cirnic pond to TMF	0,06	0,06	0,00	0,22	0,06	0,06	0,00	12,39	0,06	0,06	0,00	0,06
49	Evaporation from plant site pond	0,27	0,27	0,27	0,27	0,21	0,21	0,21	0,21	0,40	0,40	0,40	0,40