

Appendix 1: Production and Cost Details by Mine

ON A QUARTERLY BASIS

(on a 100% basis)

		AGBAOU			NZEMA			TABAKOTO			ITY			KARMA		
		Q3-2017	Q2-2017	Q3-2016	Q3-2017	Q2-2017	Q3-2016	Q3-2017	Q2-2017	Q3-2016	Q3-2017	Q2-2017	Q3-2016	Q3-2017	Q2-2017	Q3-2016
Physicals																
Total tonnes mined – OP ¹	000t	7,576	6,952	6,877	1,333	1,413	2,848	1,098	1,550	1,569	1,191	1,988	948	3,637	3,616	5,430
Total ore tonnes – OP	000t	824	709	651	310	352	222	108	157	160	305	374	200	593	1,035	3,040
Open pit strip ratio ¹	W:t ore	8.19	8.81	9.56	3.30	3.01	11.83	9.13	8.87	8.81	2.90	4.32	3.74	5.13	2.49	3.68
Total tonnes mined – UG	000t	-	-	-	-	-	-	226	253	302	-	-	-	-	-	-
Total ore tonnes – UG	000t	-	-	-	-	-	-	179	184	238	-	-	-	-	-	-
Total tonnes milled	000t	770	693	709	368	362	424	392	407	381	312	243	271	720	852	570
Average gold grade milled	g/t	1.96	2.23	2.21	3.39	2.46	2.40	2.64	3.32	3.31	1.58	2.15	1.90	0.91	1.24	1,021
Recovery rate	%	93%	94%	96%	92%	92%	82%	93%	94%	95%	74%	84%	91%	87%	83%	90%
Gold ounces produced	oz	46,326	45,489	49,384	37,440	27,203	24,279	31,602	41,248	37,019	11,727	14,120	15,334	21,005	24,223	20,409
Gold sold	oz	46,675	46,722	51,308	38,570	26,245	23,526	31,693	41,390	37,324	11,799	13,226	15,349	20,622	24,632	19,476
Unit Cost Analysis																
Mining costs - Open pit	\$/t mined	2.62	2.40	2.26	6.20	6.45	4.16	3.91	3.72	3.76	5.16	2.86	4.09	1.75	1.96	-
Mining costs – Underground	\$/t mined	-	-	-	-	-	-	75.79	61.18	52.58	-	-	-	-	-	-
Processing and maintenance	\$/t milled	7.08	7.67	7.11	17.00	15.88	14.23	20.83	19.00	22.57	14.75	16.03	13.24	11.25	9.30	-
Site G&A	\$/t milled	3.90	3.88	4.77	7.54	5.91	6.18	12.13	9.39	12.28	8.56	9.94	13.06	4.85	4.26	-
Cash Cost Details																
Mining costs - Open pit ¹	\$000s	19,829	16,653	15,550	8,273	9,110	11,857	4,295	5,772	5,892	6,142	5,685	3,878	6,378	7,089	-
Mining costs -Underground	\$000s	-	-	-	-	-	-	17,129	15,479	15,880	-	-	-	-	-	-
Processing and maintenance	\$000s	5,451	5,316	5,043	6,257	5,750	6,032	8,165	7,734	8,600	4,601	3,895	3,588	8,097	7,922	-
Site G&A	\$000s	3,006	2,689	3,382	2,776	2,141	2,620	4,753	3,820	4,680	2,672	2,415	3,538	3,492	3,626	-
Purchased ore at Nzema	\$000s	-	-	-	4,459	4,724	7,817	-	-	-	-	-	-	-	-	-
Capitalized waste	\$000s	(1,092)	(525)	(2,413)	-	-	(5,055)	(2,527)	(5,433)	(2,700)	(541)	(1,693)	(3,149)	(1,491)	(230)	-
Inventory adjustments and other	\$000s	(1,622)	558	589	1,359	279	1,144	3,165	5,814	1,034	(1,863)	(2,034)	(854)	(260)	(2,220)	-
Cash costs for ounces sold	\$000s	25,571	24,691	22,151	23,124	22,004	24,415	34,980	33,186	33,386	11,011	8,268	7,001	16,216	16,187	-
Royalties	\$000s	2,078	2,107	2,761	2,800	1,952	1,651	2,426	3,138	2,962	697	643	832	2,068	1,916	-
Sustaining capital	\$000s	2,140	1,526	3,324	1,258	1,898	670	3,090	7,313	3,610	1,752	1,400	3,276	(1,775)	487	-
Cash cost per ounce sold	\$/oz	548	528	432	600	838	1,038	1,104	802	894	933	625	456	786	657	-
Mine-level AISC Per Ounce Sold	\$/oz	638	606	550	705	985	1,136	1,278	1,054	1,071	1,141	780	724	973	755	-

1) Includes waste capitalized

ON A NINE MONTHS BASIS

(on a 100% basis)

		AGBAOU		NZEMA		TABAKOTO		ITY		KARMA	
		9 Months 2017	9 Months 2016	9 Months 2017	9 Months 2016	9 Months 2017	9 Months 2016	9 Months 2017	9 Months 2016	9 Months 2017	9 Months 2016
Physicals											
Total tonnes mined – OP ¹	000t	20,884	18,864	5,441	6,410	4,536	5,505	4,968	4,630	11,596	8,364
Total ore tonnes – OP	000t	2,157	2,123	1,058	712	482	454	1,008	870	2,678	4,730
Open pit strip ratio ¹	W:t ore	8.68	7.89	4.14	8.00	8.40	11.13	3.93	4.32	3.33	3.32
Total tonnes mined – UG	000t	-	-	-	-	790	977	-	-	-	-
Total ore tonnes – UG	000t	-	-	-	-	599	691	-	-	-	-
Total tonnes milled	000t	2,146	2,106	1,121	1,333	1,204	1,186	822	878	2,526	927
Average gold grade milled	g/t	2.09	2.20	2.73	1.77	3.16	3.17	1.85	2.20	1.08	1.18
Recovery rate	%	94%	97%	93%	85%	94%	94%	85%	94%	85%	90%
Gold ounces produced	oz	133,752	138,444	90,774	63,836	115,878	114,933	41,739	58,387	76,880	32,701
Gold sold	oz	133,378	139,380	93,876	63,462	116,895	114,750	43,372	58,294	76,361	34,141
Unit Cost Analysis											
Mining costs - Open pit	\$/t mined	2.49	2.17	5.74	4.83	3.65	3.47	3.18	3.02	1.84	-
Mining costs – Underground	\$/t mined	-	-	-	-	63.98	48.47	-	-	-	-
Processing and maintenance	\$/t milled	7.19	6.72	16.10	12.87	20.79	21.40	15.35	15.24	9.02	-
Site G&A	\$/t milled	4.09	4.66	6.42	6.56	10.92	12.28	9.36	10.20	4.36	-
Cash Cost Details											
Mining costs - Open pit ¹	\$000s	52,063	40,883	31,250	30,958	16,576	19,107	15,815	13,998	21,391	-
Mining costs -Underground	\$000s	-	-	-	-	50,541	47,356	-	-	-	-
Processing and maintenance	\$000s	15,426	14,143	18,051	17,151	25,030	25,377	12,619	13,382	22,796	-
Site G&A	\$000s	8,769	9,813	7,200	8,746	13,150	14,568	7,697	8,955	11,002	-
Purchased ore at Nzema	\$000s	-	-	13,187	17,162	-	-	-	-	-	-
Capitalized waste	\$000s	(1,960)	(4,525)	(1,966)	(10,531)	(12,595)	(13,007)	(2,376)	(3,149)	(1,970)	-
Inventory adjustments and other	\$000s	(2,086)	(348)	1,676	6,247	9,224	3,335	(723)	(168)	(259)	-
Cash costs for ounces sold	\$000s	72,211	59,966	69,368	69,733	101,926	96,736	33,032	33,018	52,960	-
Royalties	\$000s	5,892	6,531	6,730	4,198	8,729	8,613	2,110	2,683	6,233	-
Sustaining capital	\$000s	6,401	7,973	4,579	1,212	16,185	17,112	4,763	7,270	2,739	-
Cash cost per ounce sold	\$/oz	541	430	739	1,099	872	843	762	566	694	-
Mine-level AISC Per Ounce Sold	\$/oz	634	534	859	1,184	1,085	1,067	920	737	811	-

1) Includes waste capitalized