

## PRODUCTION AND AISC BY MINE

### ON A QUARTERLY BASIS

		AGBAOU			TABAKOTO			ITY			KARMA			HOUNDE		
		Q4-2018	Q3-2018	Q4-2017	Q4-2018	Q3-2018	Q4-2017	Q4-2018	Q3-2018	Q4-2017	Q4-2018	Q3-2018	Q4-2017	Q4-2018	Q3-2018	Q4-2017
<i>(on a 100% basis)</i>																
<b>Physicals</b>																
Total tonnes mined – OP <sup>1</sup>	000t	7,040	6,942	7,216	521	912	1,864	494	867	1,679	5,155	3,027	3,716	11,925	9,894	9,798
Total ore tonnes – OP	000t	481	625	826	108	146	165	200	253	402	788	755	1,184	1,736	1,413	663
Open pit strip ratio <sup>1</sup>	W:t ore	13.65	10.11	7.74	3.81	5.25	10.33	1.47	2.43	3.18	5.54	3.01	2.14	5.87	6.00	13.78
Total tonnes mined – UG	000t	-	-	-	211	182	207	-	-	-	-	-	-	-	-	-
Total ore tonnes – UG	000t	-	-	-	164	143	157	-	-	-	-	-	-	-	-	-
Total tonnes milled	000t	708	669	760	417	433	436	316	326	372	1,037	981	1,026	1,062	1,006	813
Average gold grade milled	g/t	2.21	1.54	1.85	2.41	2.08	2.20	2.37	2.64	1.86	0.98	1.02	1.06	2.38	2.02	2.75
Recovery rate	%	95%	94%	93%	92%	92%	92%	87%	78%	78%	88%	89%	77%	93%	94%	95%
Gold ounces produced	oz	44,360	31,248	43,439	29,598	26,456	28,117	20,574	20,993	17,287	33,459	26,064	21,102	75,828	60,736	68,754
<b>Gold sold</b>	<b>oz</b>	<b>43,880</b>	<b>30,649</b>	<b>41,490</b>	<b>29,398</b>	<b>25,851</b>	<b>27,741</b>	<b>20,462</b>	<b>20,929</b>	<b>16,316</b>	<b>33,516</b>	<b>24,668</b>	<b>20,574</b>	<b>75,567</b>	<b>57,913</b>	<b>61,024</b>
<b>Unit Cost Analysis</b>																
Mining costs - Open pit	\$/t mined	2.38	2.57	2.68	5.15	5.36	2.99	6.65	7.02	3.27	1.76	3.18	1.75	1.92	2.14	1.33
Mining costs – Underground	\$/t mined	-	-	-	72.10	85.92	74.90	-	-	-	-	-	-	-	-	-
Processing and maintenance	\$/t milled	7.66	7.77	8.07	20.34	22.45	20.22	13.80	14.70	13.85	7.41	8.46	8.15	11.84	12.71	6.81
Site G&A	\$/t milled	4.17	4.81	4.32	10.54	9.76	11.39	3.47	8.83	9.47	3.06	3.59	4.14	6.71	6.03	3.38
<b>Cash Cost Details</b>																
Mining costs - Open pit <sup>1</sup>	\$000s	16,731	17,826	19,312	2,682	4,884	5,564	3,286	6,087	5,491	9,052	9,626	6,512	22,849	21,180	9,296
Mining costs -Underground	\$000s	-	-	-	15,215	15,638	15,504	-	-	-	-	-	-	-	-	-
Processing and maintenance	\$000s	5,421	5,201	6,130	8,486	9,720	8,818	4,358	4,793	5,152	7,684	8,295	8,365	12,581	12,789	5,534
Site G&A	\$000s	2,955	3,220	3,281	4,396	4,224	4,965	1,097	2,877	3,522	3,171	3,526	4,250	7,126	6,062	2,745
Capitalized waste	\$000s	(5,055)	(3,239)	(3,288)	(3,643)	(4,260)	(3,665)	0	0	(829)	(2,881)	(3,502)	(754)	(412)	(2,617)	(3,995)
Inventory adjustments and other	\$000s	6,336	1,242	(247)	7,800	(2,859)	1,268	2,786	196	(2,612)	5,632	27	(1,948)	(3,738)	(7,377)	(1,754)
Cash costs for ounces sold	\$000s	26,387	24,250	25,189	34,937	27,349	32,454	11,526	13,953	10,725	22,657	17,972	16,425	38,407	30,037	11,826
Royalties	\$000s	1,931	1,358	2,292	2,172	1,865	2,118	1,125	952	786	2,360	1,761	1,360	4,922	4,222	4,595
Sustaining capital	\$000s	5,750	3,636	1,154	6,112	7,496	4,583	70	382	2,665	1,329	1,022	1,095	1,120	2,712	3,995
Cash cost per ounce sold	\$/oz	601	791	607	1,188	1,058	1,170	563	667	657	592	729	798	508	519	194
<b>Mine-level AISC/ Per Ounce Sold</b>	<b>\$/oz</b>	<b>776</b>	<b>954</b>	<b>690</b>	<b>1,470</b>	<b>1,420</b>	<b>1,411</b>	<b>622</b>	<b>730</b>	<b>869</b>	<b>697</b>	<b>841</b>	<b>918</b>	<b>588</b>	<b>638</b>	<b>335</b>

1) Includes waste capitalized

## ON A FULL YEAR BASIS

		AGBAOU		TABAKOTO		ITY		KARMA		HOUNDÉ	
		Dec. 31, 2018	Dec. 31, 2017	Dec. 31, 2018	Dec. 31, 2017	Dec. 31, 2018	Dec. 31, 2017	Dec. 31, 2018	Dec. 31, 2017	Dec. 31, 2018	Dec. 31, 2017
<i>(on a 100% basis)</i>											
<b>Physicals</b>											
Total tonnes mined – OP <sup>1</sup>	000t	29,735	28,100	4,569	6,400	4,028	6,647	16,932	15,312	41,489	17,271
Total ore tonnes – OP	000t	2,399	2,983	572	647	1,127	1,410	4,715	3,862	5,822	1,222
Open pit strip ratio <sup>1</sup>	W:t ore	11.40	8.42	6.98	8.89	2.58	3.71	2.59	2.96	6.13	13
Total tonnes mined – UG	000t	-	-	784	997	-	-	-	-	-	-
Total ore tonnes – UG	000t	-	-	601	756	-	-	-	-	-	-
Total tonnes milled	000t	2,830	2,906	1,714	1,640	1,307	1,194	4,097	3,552	3,948	813
Average gold grade milled	g/t	1.70	2.02	2.28	2.90	2.49	1.85	0.95	1.07	2.29	3
Recovery rate	%	94%	94%	92%	94%	81%	83%	82%	83%	94%	1
Gold ounces produced	oz	141,335	177,191	115,240	143,995	84,832	59,026	108,733	97,982	277,218	68,754
<b>Gold sold</b>	<b>oz</b>	<b>142,559</b>	<b>174,868</b>	<b>115,207</b>	<b>144,636</b>	<b>85,191</b>	<b>59,688</b>	<b>108,308</b>	<b>96,935</b>	<b>276,046</b>	<b>61,024</b>
<b>Unit Cost Analysis</b>											
Mining costs - Open pit	\$/t mined	2.63	2.54	3.70	3.46	6.37	3.21	2.27	1.82	1.91	1
Mining costs – Underground	\$/t mined	-	-	74.21	66.24	-	-	-	-	-	-
Processing and maintenance	\$/t milled	7.69	7.42	19.74	20.64	14.97	14.88	8.42	8.77	11.74	7
Site G&A	\$/t milled	4.40	4.15	10.12	11.05	7.96	9.40	3.37	4.29	6.77	3
<b>Cash Cost Details</b>											
Mining costs - Open pit <sup>1</sup>	\$000s	78,128	71,375	16,904	22,140	25,665	21,306	38,508	27,903	79,049	9,296
Mining costs -Underground	\$000s	-	-	58,184	66,045	-	-	-	-	-	-
Processing and maintenance	\$000s	21,764	21,556	33,839	33,848	19,566	17,771	34,499	31,161	46,371	5,534
Site G&A	\$000s	12,451	12,050	17,348	18,115	10,402	11,219	13,797	15,252	26,736	2,745
Capitalized waste	\$000s	(20,016)	(5,248)	(14,744)	(16,260)	0	(3,205)	(10,172)	(2,724)	(10,603)	(3,995)
Inventory adjustments and other	\$000s	4,232	(2,333)	10,060	10,492	(597)	(3,335)	2,481	(2,207)	(14,821)	(1,754)
Cash costs for ounces sold	\$000s	96,558	97,400	121,591	134,380	55,035	43,757	79,112	69,385	126,732	11,826
Royalties	\$000s	6,761	8,186	8,748	10,847	4,161	2,896	8,335	7,593	21,811	4,595
Sustaining capital	\$000s	13,438	7,555	27,415	20,768	2,076	7,428	3,531	3,834	7,152	3,995
Cash cost per ounce sold	\$/oz	677	557	1,055	929	646	733	704	716	459	194
<b>Mine-level AISC Per Ounce Sold</b>	<b>\$/oz</b>	<b>819</b>	<b>647</b>	<b>1,369</b>	<b>1,148</b>	<b>719</b>	<b>906</b>	<b>813</b>	<b>834</b>	<b>564</b>	<b>335</b>

1) Includes waste capitalized