

OPERATIONAL PROFILE

2013



Iduapriem, which has been wholly owned by AngloGold Ashanti since September 2007, comprises the Iduapriem and Teberebie properties on a 110km² concession. This mine is situated in the south-western region of Ghana, around 70km north of Takoradi and approximately 10km southwest of the town of Tarkwa.

Iduapriem is an open-pit mine which began operations in 1992. Its processing facilities include a carbon-in-pulp (CIP) plant with a gravity circuit. The gravity feed recovers about 30% of the gold and the CIP plant the remainder.

PERFORMANCE 2013

Iduapriem delivered a solid performance, a result of improved mill tonnages and plant recovery in the second half of the year. Third quarter 2013 production was the highest quarterly production performance from the mine in nine years.

Costs declined as a function of the increase in production, the write-down of some ore stockpiles and other cost control initiatives. Stockpiles at Iduapriem currently allow for more than one year's run-of-mine feed to the plant.

A conceptual study into a plant expansion had originally raised the prospect of expanding surface operations. However, given the decline in the gold price, the drilling programme begun in 2012 was suspended in the second half of 2013. While Iduapriem is a mature operation, there are several prospects of increasing its Mineral Resource by testing mineralisation potential both along strike and down dip. Core logging continues.

HIGHLIGHTS OF THE YEAR

- Production rises on greater volumes milled and improved grade recovery
- An average of 1,590 employees functioned at an increased productivity rate of 18.41 oz per total employee costed (TEC)
- Costs declined year-on-year – cost control remains a focus
- Improved safety performance
- As at 31 December 2013, Iduapriem's Mineral Resource of 6.34Moz accounted for 9% of the Continental Africa region's Mineral Resource

Iduapriem – key statistics

	Units	2013	2012	2011
Operational performance				
Pay limit	oz/t	0.036	0.034	0.030
	g/t	1.22	1.11	0.92
Recovered grade	oz/t	0.042	0.036	0.042
	g/t	1.43	1.22	1.44
Tonnes treated/milled	Mt	4.8	4.6	4.3
Gold production	000oz	221	180	199
Total cash costs ⁽¹⁾	\$/oz produced	861	955	800
All-in sustaining costs	\$/oz sold	1,025	1,437	
Total production costs	\$/oz	1,047	1,213	1,075
Capital expenditure ⁽¹⁾	\$m	28	95	73
Productivity	oz/TEC	18.41	15.61	16.97
Safety				
No. of fatalities		1	1	0
All injury frequency rate (AIFR)	per million hours worked	1.98	3.08	6.61
People				
Total average no. of employees		1,590	1,549	1,543
– Permanent		692	698	741
– Contractors		898	851	802
Environment				
Total water usage	ML	795	582	408
Total water usage per tonne treated	kL/t	0.17	0.13	0.09
Total energy usage	PJ	1.25	1.00	0.98
Total energy usage per tonne treated	GJ/t	0.26	0.22	0.23
Total greenhouse gas (GHG) emissions (CO ₂ e)	000t	113	94	89
Total GHG emissions per tonne treated	t CO ₂ e/t	0.02	0.02	0.02
Cyanide usage	t	1,480	1,340	1,594
No. of reportable environmental incidents		1	2	0
Total rehabilitation liabilities	\$m	37	43	44

⁽¹⁾ Recalculated for 2011 and 2012 in terms of adoption of IFRIC 20.

For more detailed information from an operational and sustainability perspective, please see the Ghana country fact sheet which is available at www.aga-reports.com.